

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG090920\
 Data File : BG046578.D
 Acq On : 9 Sep 2020 18:37
 Operator : CG/JU
 Sample : L3932-01MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-218MSD

Quant Time: Sep 09 19:22:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 15:06:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	69554	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	294702	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	199767	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	403522	20.00	ng	0.00
76) Chrysene-d12	21.55	240	447803	20.00	ng	0.00
86) Perylene-d12	24.65	264	472858	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	313618	79.86	ng	0.00
7) Phenol-d6	7.10	99	424866	76.32	ng	0.00
23) Nitrobenzene-d5	9.08	82	281670	54.63	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	199660	73.77	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	820379	62.69	ng	0.00
79) Terphenyl-d14	19.92	244	1119213	53.19	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.41	88	53783	32.920	ng	96
3) Pyridine	3.80	79	160137	33.501	ng	98
4) n-Nitrosodimethylamine	3.72	42	73854	41.891	ng	98
6) Aniline	7.25	93	178162	28.440	ng	100
8) 2-Chlorophenol	7.49	128	184946	44.560	ng	99
9) Benzaldehyde	7.06	77	100019	32.068	ng	93
10) Phenol	7.13	94	225491	43.978	ng	98
11) bis(2-Chloroethyl)ether	7.35	93	173032	41.983	ng	98
12) 1,3-Dichlorobenzene	7.82	146	216688	41.121	ng	98
13) 1,4-Dichlorobenzene	7.96	146	216532	41.045	ng	99
14) 1,2-Dichlorobenzene	8.28	146	210733	41.660	ng	99
15) Benzyl Alcohol	8.16	79	157307	44.014	ng	100
16) 2,2'-oxybis(1-Chloropropan	8.46	45	260655	40.773	ng	100
17) 2-Methylphenol	8.38	107	157961	43.440	ng	98
18) Hexachloroethane	9.01	117	75042	41.953	ng	98
19) n-Nitroso-di-n-propylamine	8.73	70	136881	41.107	ng	98
20) 3+4-Methylphenols	8.70	107	217384	43.311	ng	99
22) Acetophenone	8.75	105	265477	37.007	ng	99
24) Nitrobenzene	9.12	77	198005	38.870	ng	96
25) Isophorone	9.65	82	384482	40.672	ng	99
26) 2-Nitrophenol	9.84	139	111234	41.387	ng	97
27) 2,4-Dimethylphenol	9.90	122	176340	47.704	ng	97
28) bis(2-Chloroethoxy)methane	10.13	93	236247	38.828	ng	99
29) 2,4-Dichlorophenol	10.38	162	207280	42.063	ng	99
30) 1,2,4-Trichlorobenzene	10.59	180	233554	39.945	ng	99
31) Naphthalene	10.77	128	590906	41.066	ng	100
32) Benzoic acid	10.06	122	101403	39.531	ng	97
33) 4-Chloroaniline	10.88	127	142647	22.482	ng	99
34) Hexachlorobutadiene	11.07	225	155104	40.865	ng	98
35) Caprolactam	11.65	113	50174	27.239	ng	96
36) 4-Chloro-3-methylphenol	12.02	107	207650	43.084	ng	97
37) 2-Methylnaphthalene	12.38	142	482004	42.473	ng	99
38) 1-Methylnaphthalene	12.60	142	446968	41.580	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.76	216	296356	44.987	ng	99

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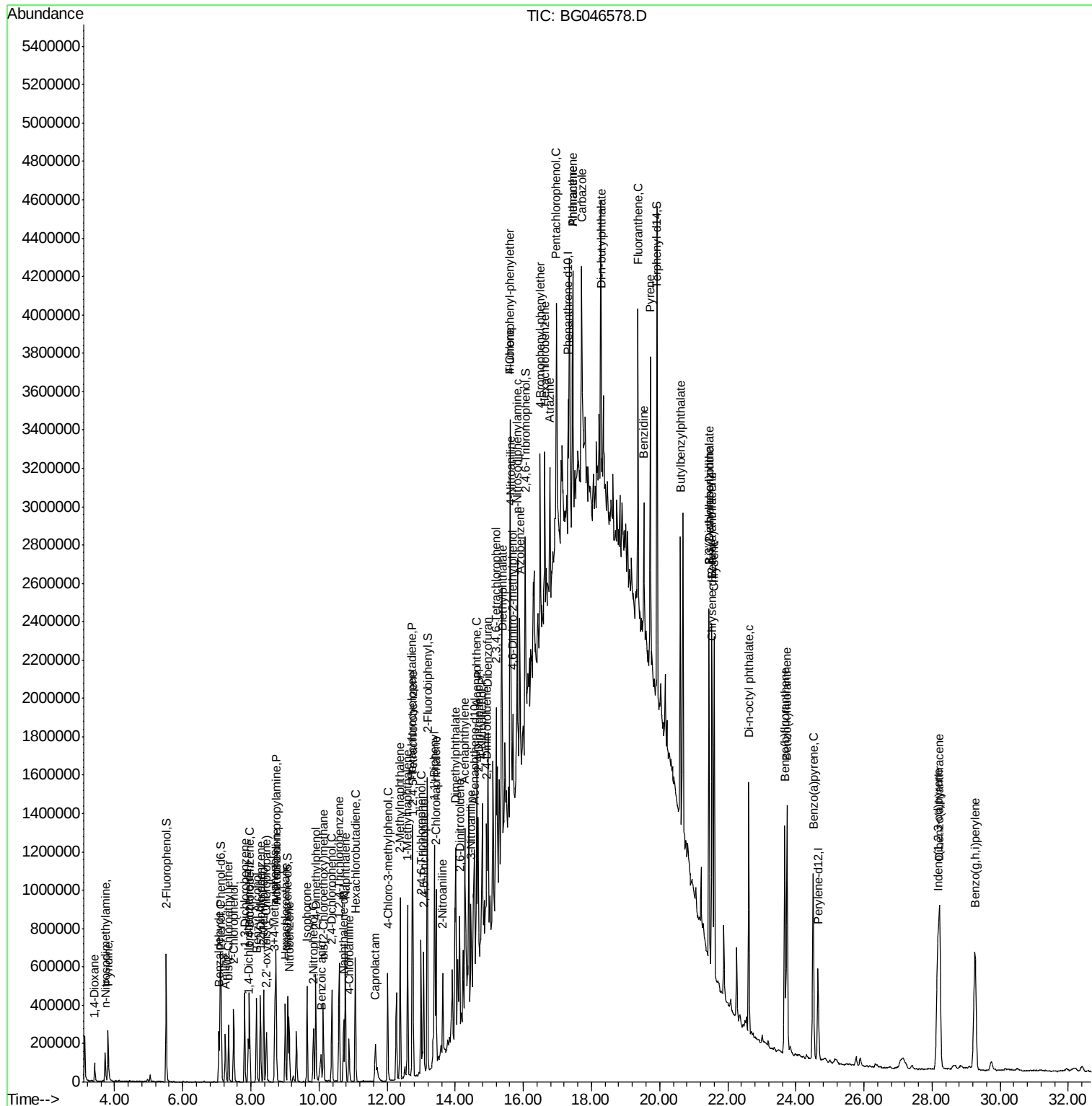
Instrument :
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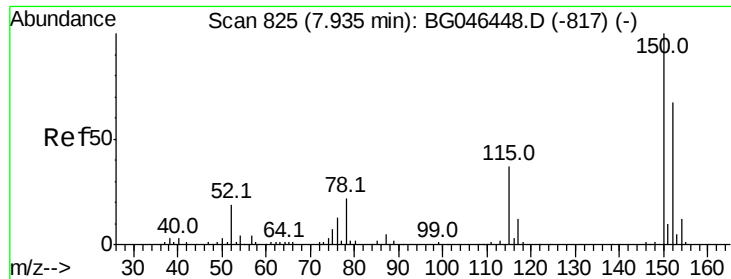
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.74	237	335013	116.956	ng	97
43) 2,4,6-Trichlorophenol	12.99	196	193263	43.474	ng	99
44) 2,4,5-Trichlorophenol	13.08	196	206751	44.265	ng	98
46) 1,1'-Biphenyl	13.39	154	616639	44.367	ng	99
47) 2-Chloronaphthalene	13.43	162	487942	41.407	ng	99
48) 2-Nitroaniline	13.63	65	129363	39.534	ng	99
49) Acenaphthylene	14.28	152	742138	41.517	ng	100
50) Dimethylphthalate	14.02	163	668321	43.243	ng	99
51) 2,6-Dinitrotoluene	14.13	165	147570	43.316	ng	98
52) Acenaphthene	14.63	154	447612	40.408	ng	99
53) 3-Nitroaniline	14.46	138	113025	30.628	ng	# 93
54) 2,4-Dinitrophenol	14.67	184	172735	86.863	ng	96
55) Dibenzofuran	14.96	168	715312	40.238	ng	99
56) 4-Nitrophenol	14.79	139	219635	80.870	ng	# 82
57) 2,4-Dinitrotoluene	14.93	165	188957	38.898	ng	98
58) Fluorene	15.61	166	581686	38.986	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.19	232	180063	39.700	ng	# 99
60) Diethylphthalate	15.39	149	559851	37.154	ng	97
61) 4-Chlorophenyl-phenylether	15.60	204	321112	39.078	ng	94
62) 4-Nitroaniline	15.63	138	114676	29.451	ng	85
63) Azobenzene	15.90	77	490485	40.016	ng	97
65) 4,6-Dinitro-2-methylphenol	15.70	198	122685	53.716	ng	# 77
66) n-Nitrosodiphenylamine	15.82	169	513398	47.160	ng	99
67) 4-Bromophenyl-phenylether	16.50	248	201943	42.895	ng	# 93
68) Hexachlorobenzene	16.63	284	215179	41.271	ng	# 92
69) Atrazine	16.78	200	155008	34.904	ng	85
70) Pentachlorophenol	16.97	266	250959	92.126	ng	98
71) Phenanthrene	17.45	178	868557	42.465	ng	97
72) Anthracene	17.45	178	868557	43.041	ng	96
73) Carbazole	17.71	167	763341	40.064	ng	# 96
74) Di-n-butylphthalate	18.28	149	887569	40.512	ng	96
75) Fluoranthene	19.36	202	1036022	39.361	ng	99
77) Benzidine	19.54	184	436078	41.908	ng	# 92
78) Pyrene	19.73	202	1071231	37.566	ng	99
80) Butylbenzylphthalate	20.61	149	426412	38.337	ng	93
81) Benzo(a)anthracene	21.54	228	1132488	40.574	ng	99
82) 3,3'-Dichlorobenzidine	21.45	252	99360	9.592	ng	99
83) Chrysene	21.60	228	1116908	41.600	ng	98
84) Bis(2-ethylhexyl)phthalate	21.45	149	653689	43.066	ng	99
85) Di-n-octyl phthalate	22.62	149	1120334	43.106	ng	98
87) Indeno(1,2,3-cd)pyrene	28.17	276	1453578	42.800	ng	# 95
88) Benzo(b)fluoranthene	23.68	252	1198830	40.603	ng	99
89) Benzo(k)fluoranthene	23.74	252	1190653	41.726	ng	99
90) Benzo(a)pyrene	24.51	252	1114905	40.462	ng	99
91) Dibenzo(a,h)anthracene	28.22	278	1196427	43.656	ng	98
92) Benzo(g,h,i)perylene	29.26	276	1212722	44.313	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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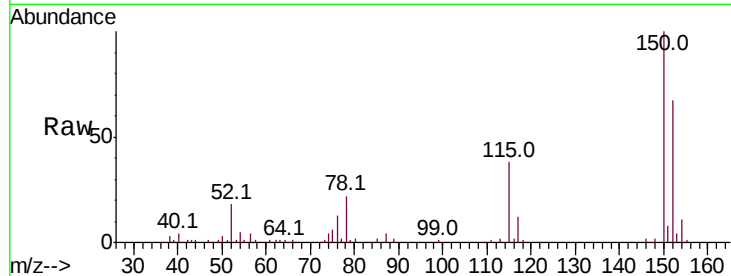


#1

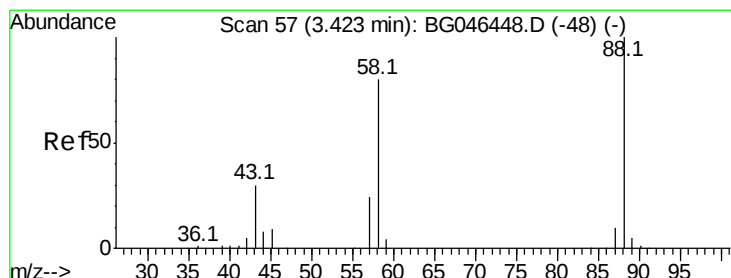
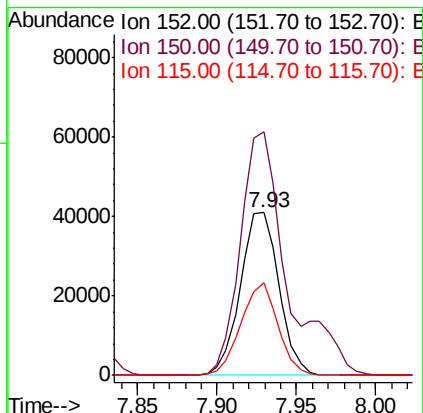
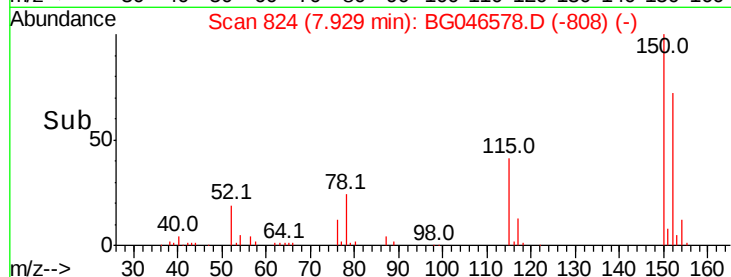
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.93 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BG046578.D
 Acq: 9 Sep 2020 18:37

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-218MSD

Tot Ion:152 Resp: 69554
 Ion Ratio Lower Upper
 152 100
 150 149.9 119.5 179.3
 115 56.9 44.3 66.5



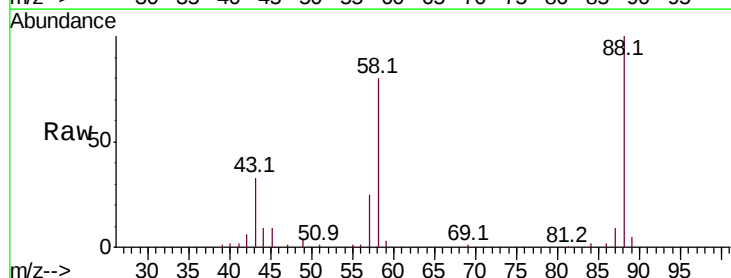
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



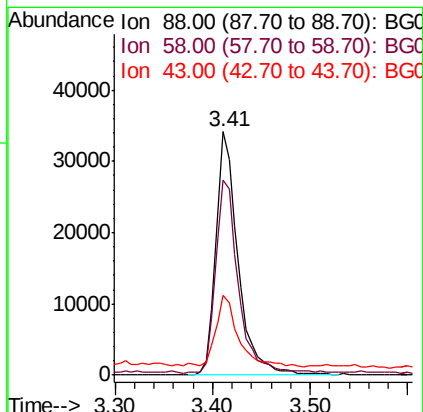
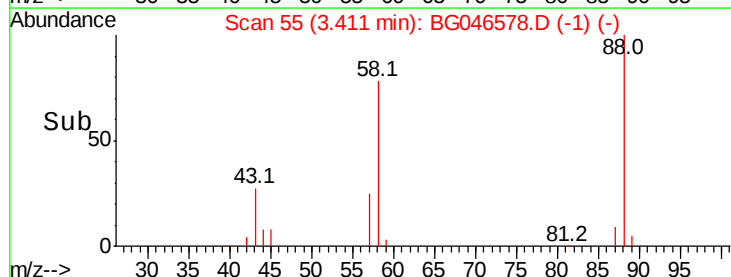
#2

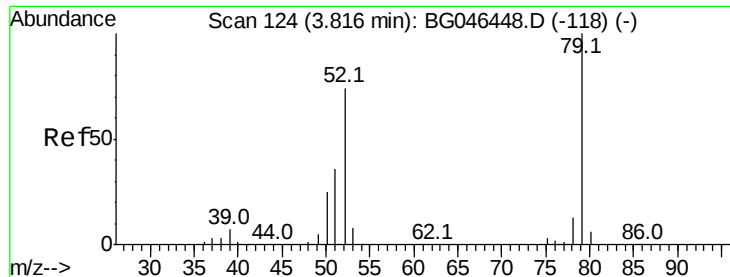
1,4-Dioxane
 Concen: 32.920 ng
 RT: 3.41 min Scan# 55
 Delta R.T. -0.01 min
 Lab File: BG046578.D
 Acq: 9 Sep 2020 18:37

Tgt Ion: 88 Resp: 53783
 Ion Ratio Lower Upper
 88 100
 58 79.9 61.4 92.2
 43 30.2 21.6 32.4



Abundance Ion 88.00 (87.70 to 88.70): BGC
 Ion 58.00 (57.70 to 58.70): BGC
 Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 33.501 ng

RT: 3.80 min Scan# 122

Delta R.T. -0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

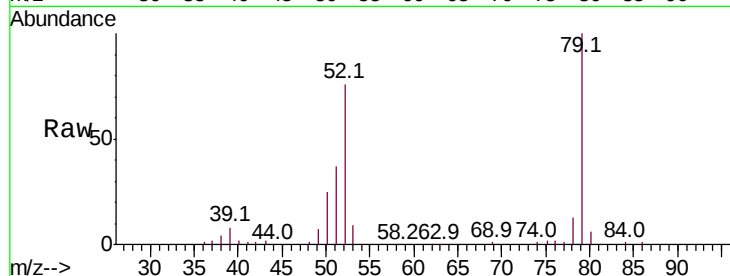
Tot Ion: 79 Resp: 160137

Ion Ratio Lower Upper

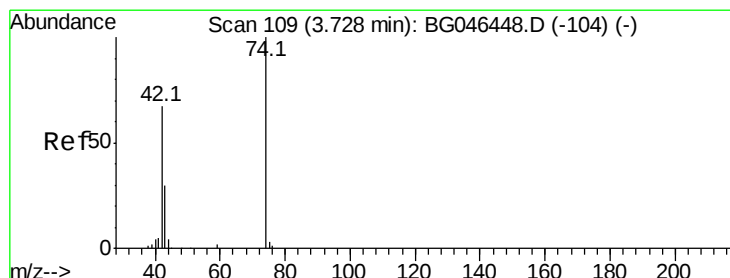
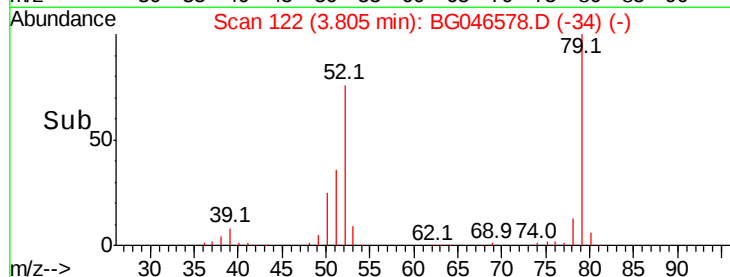
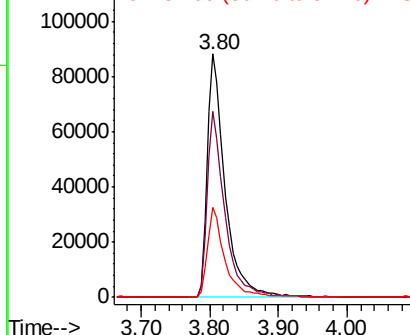
79 100

52 76.3 59.1 88.7

51 36.8 29.0 43.6



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 41.891 ng

RT: 3.72 min Scan# 108

Delta R.T. -0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

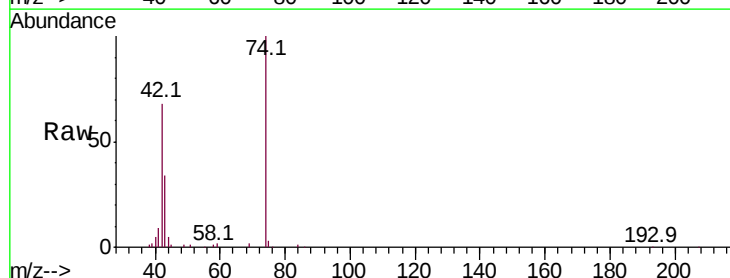
Tgt Ion: 42 Resp: 73854

Ion Ratio Lower Upper

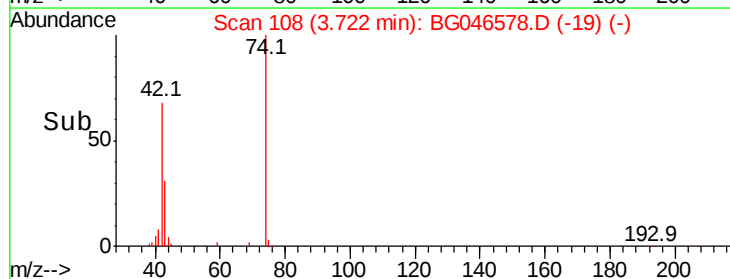
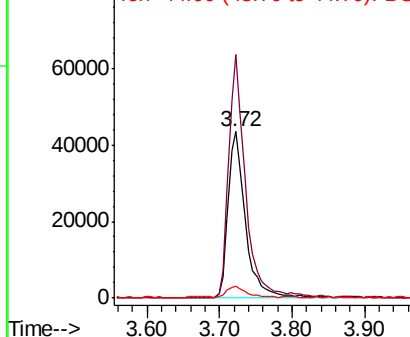
42 100

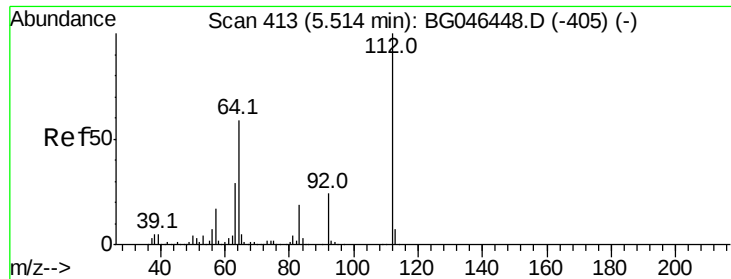
74 146.2 119.5 179.3

44 7.4 5.7 8.5



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 79.863 ng

RT: 5.51 min Scan# 413

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

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ClientSampleId :

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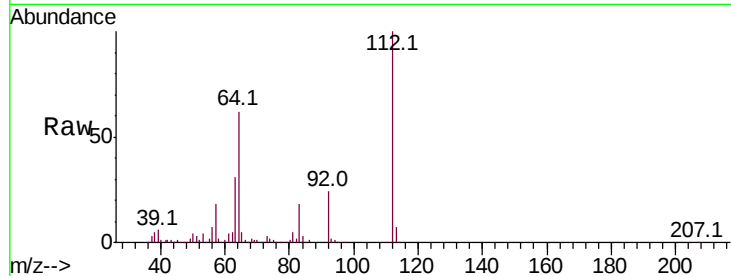
Tot Ion:112 Resp: 313618

Ion Ratio Lower Upper

112 100

64 62.3 47.0 70.6

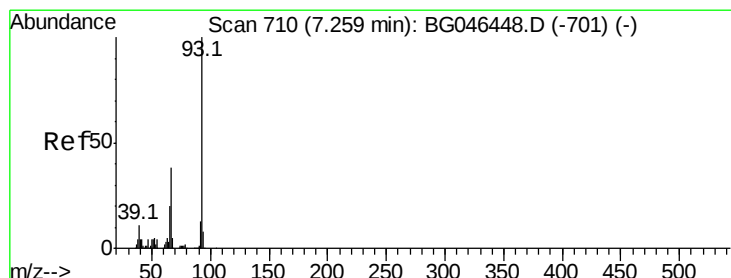
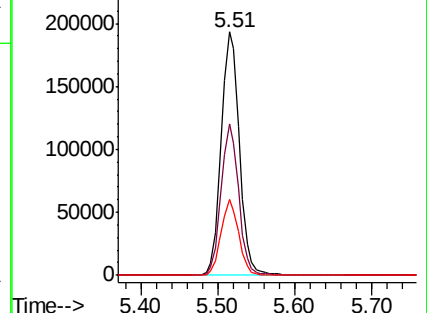
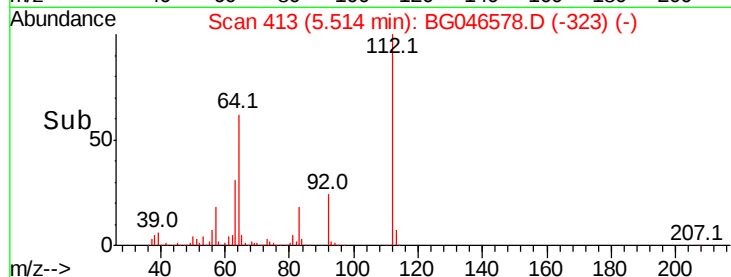
63 31.3 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 28.440 ng

RT: 7.25 min Scan# 709

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

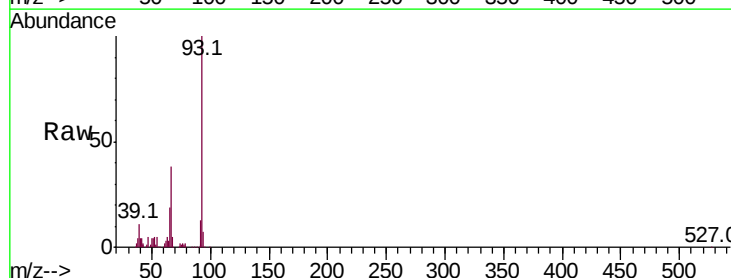
Tgt Ion: 93 Resp: 178162

Ion Ratio Lower Upper

93 100

66 37.9 30.4 45.6

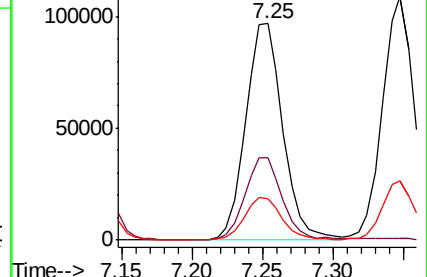
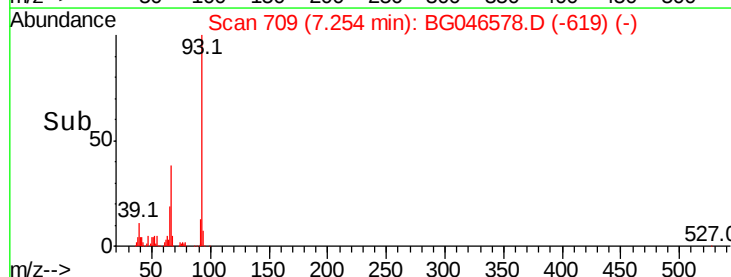
65 19.3 15.8 23.6

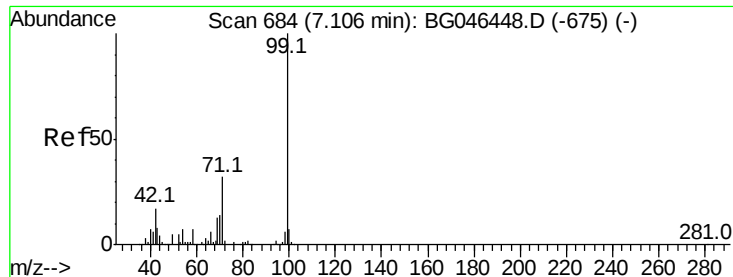


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 76.320 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.01 min

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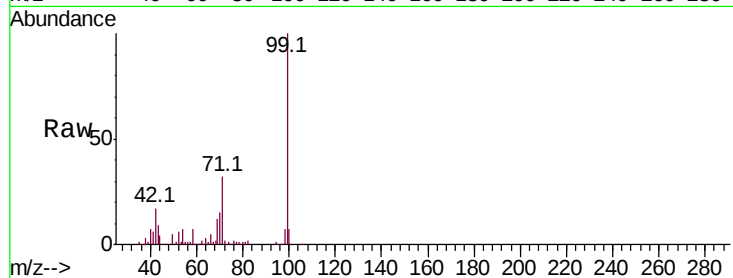
Tot Ion: 99 Resp: 424866

Ion Ratio Lower Upper

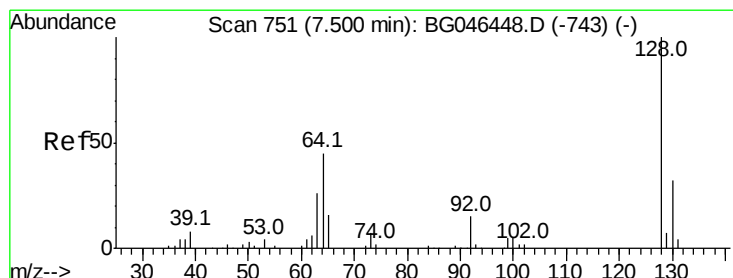
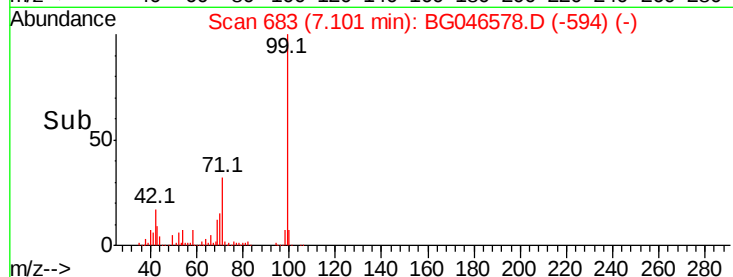
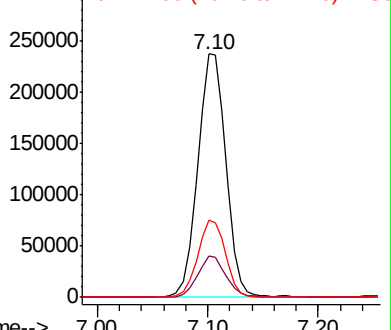
99 100

42 17.0 13.3 19.9

71 31.8 25.3 37.9



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 44.560 ng

RT: 7.49 min Scan# 750

Delta R.T. -0.01 min

Lab File: BG046578.D

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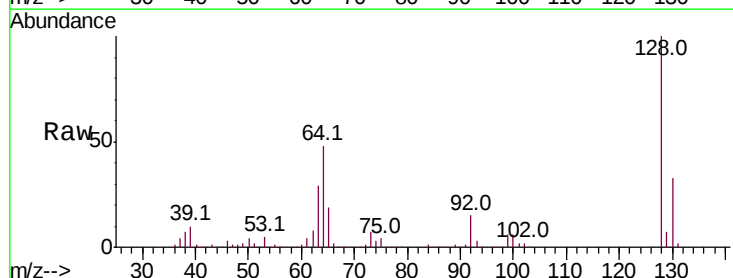
Tgt Ion: 128 Resp: 184946

Ion Ratio Lower Upper

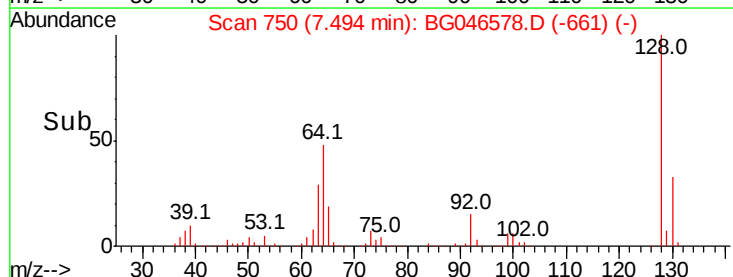
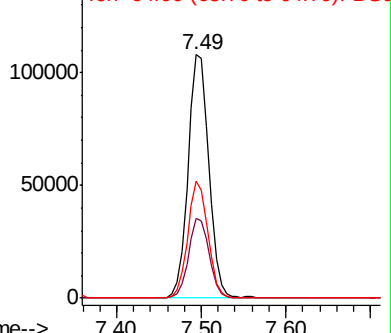
128 100

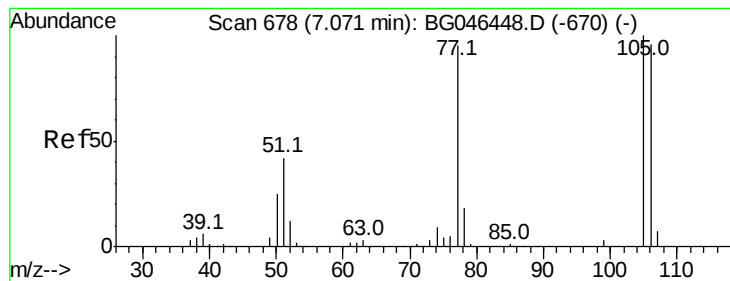
130 32.9 12.4 52.4

64 47.9 28.1 68.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 32.068 ng

RT: 7.06 min Scan# 676

Delta R.T. -0.01 min

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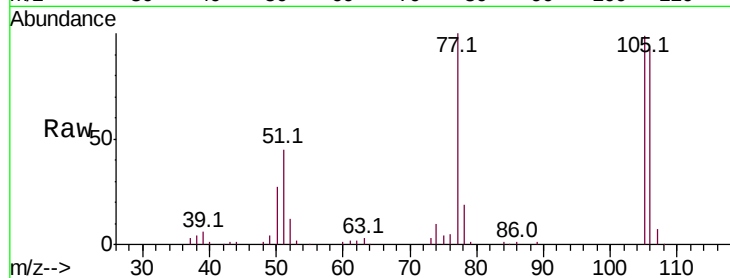
Tot Ion: 77 Resp: 100019

Ion Ratio Lower Upper

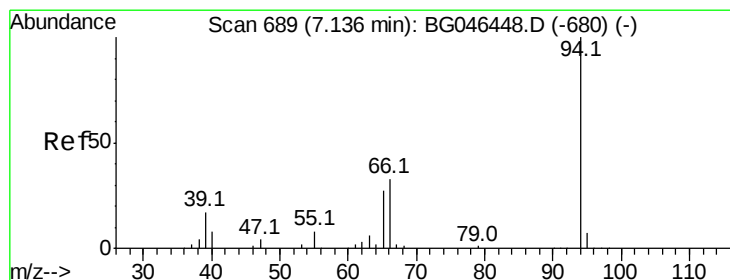
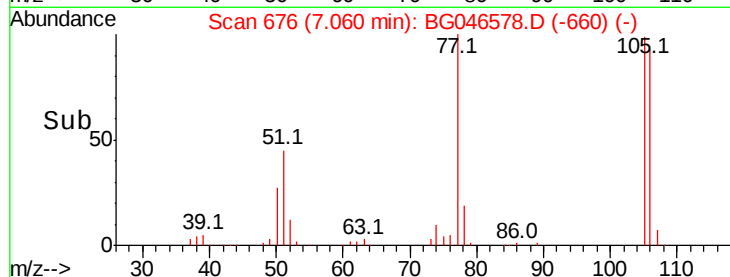
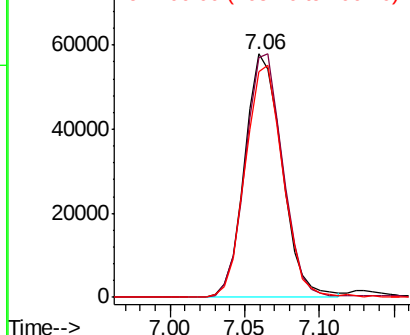
77 100

105 98.6 85.6 125.6

106 92.9 80.8 120.8



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 43.978 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

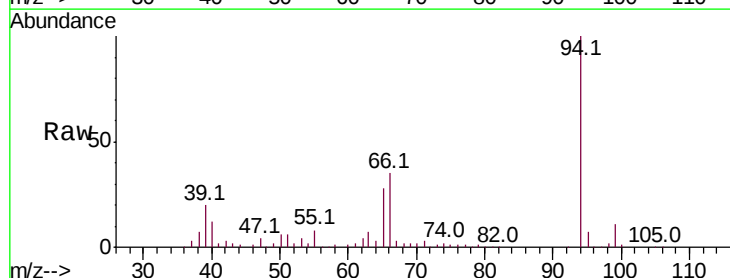
Tgt Ion: 94 Resp: 225491

Ion Ratio Lower Upper

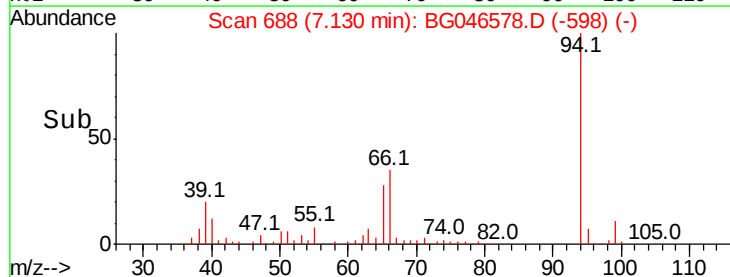
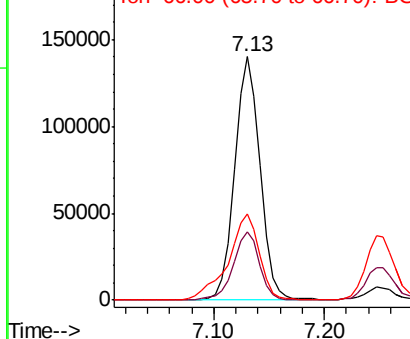
94 100

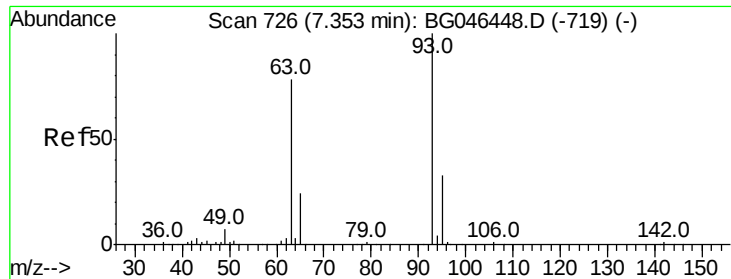
65 27.9 7.5 47.5

66 35.4 14.1 54.1



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

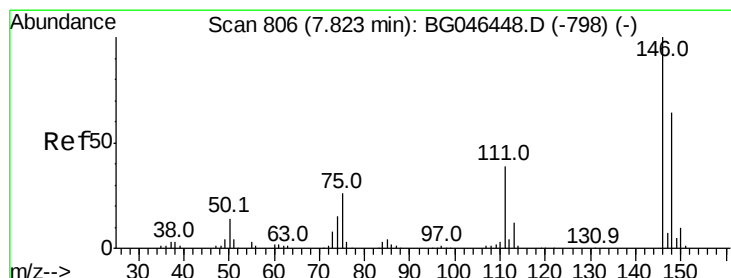
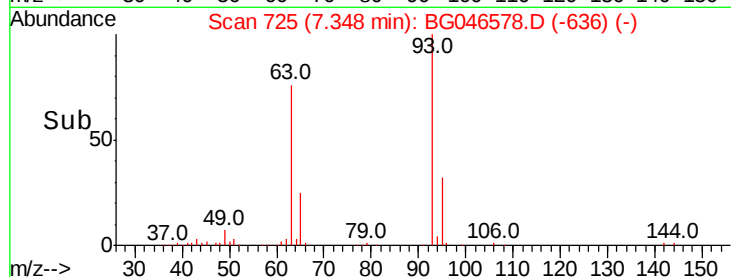
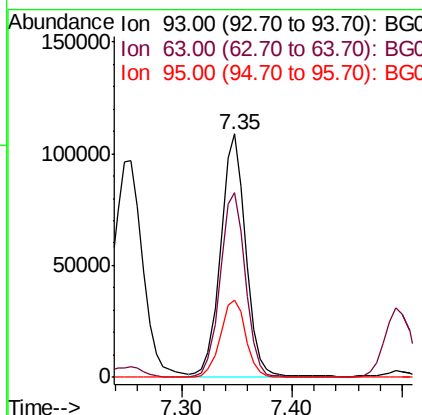
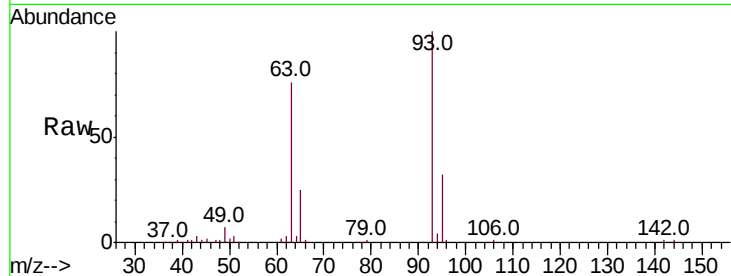




#11
 bis(2-Chloroethyl)ether
 Concen: 41.983 ng
 RT: 7.35 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BG046578.D
 Acq: 9 Sep 2020 18:37

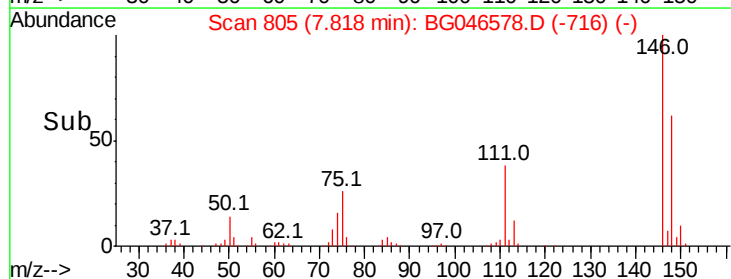
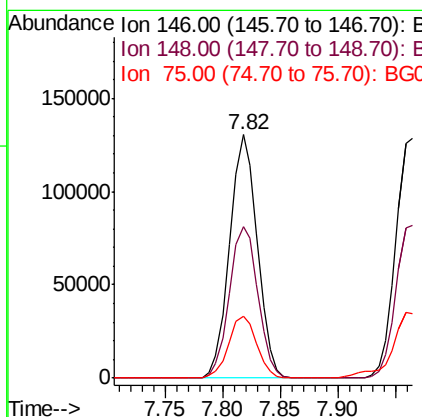
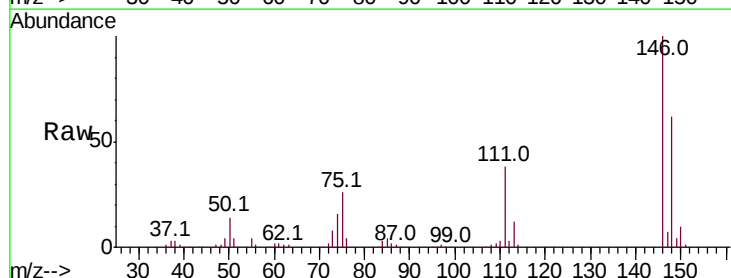
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-218MSD

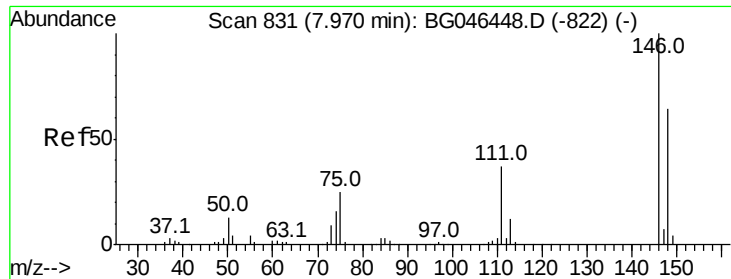
Tot Ion:	93	Resp:	173032
Ion	Ratio	Lower	Upper
93	100		
63	75.8	57.7	97.7
95	31.8	12.3	52.3



#12
 1,3-Dichlorobenzene
 Concen: 41.121 ng
 RT: 7.82 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BG046578.D
 Acq: 9 Sep 2020 18:37

Tgt Ion:	146	Resp:	216688
Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.4	77.0
75	25.6	20.7	31.1

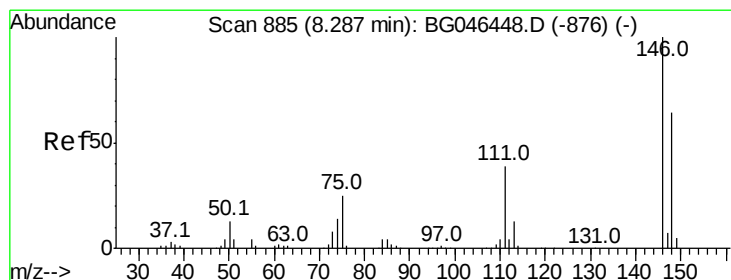
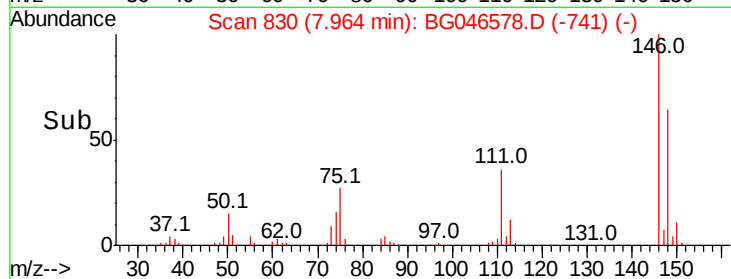
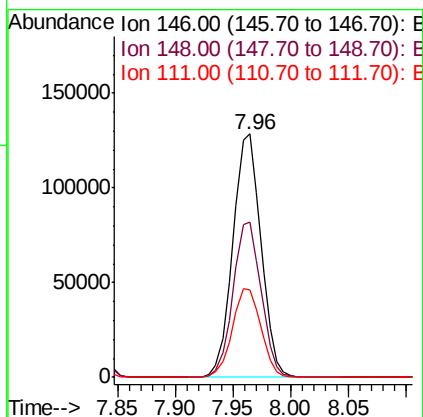
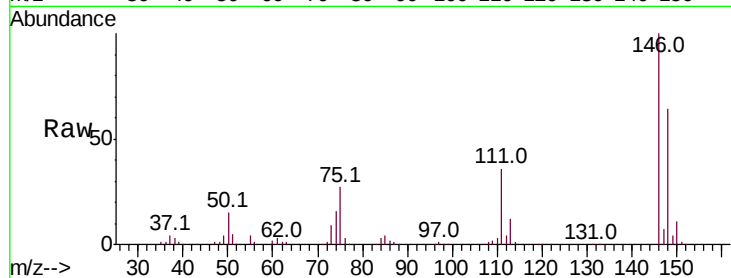




#13
 1,4-Dichlorobenzene
 Concen: 41.045 ng
 RT: 7.96 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BG046578.D
 Acq: 9 Sep 2020 18:37

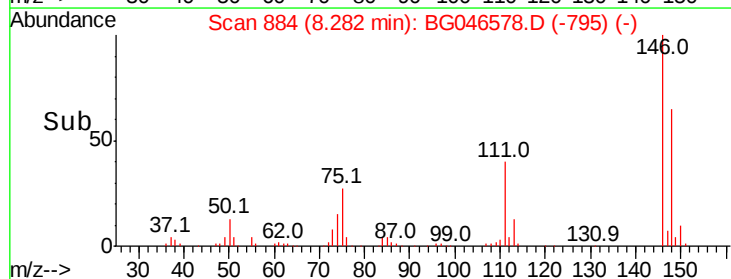
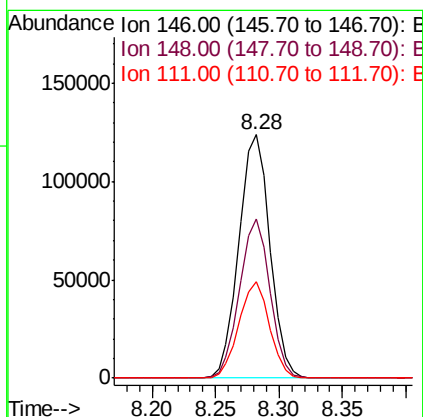
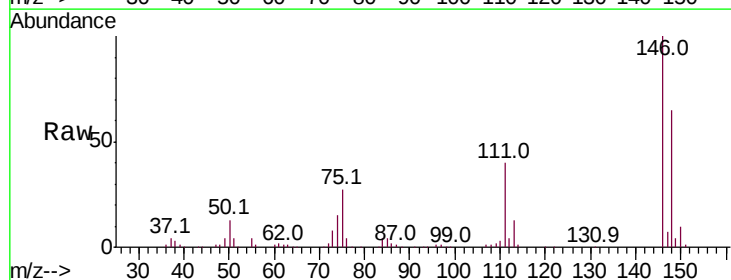
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-218MSD

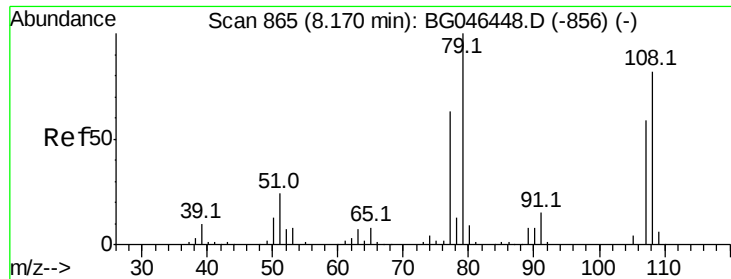
Tot Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.9	76.3
111	36.1	29.8	44.6



#14
 1,2-Dichlorobenzene
 Concen: 41.660 ng
 RT: 8.28 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BG046578.D
 Acq: 9 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.4	77.0
111	39.7	31.4	47.2

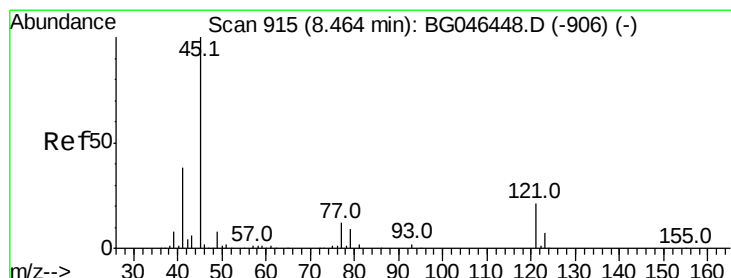
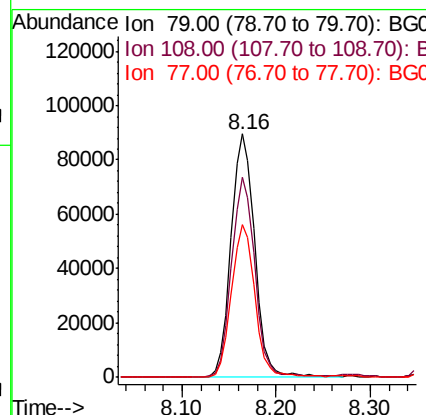
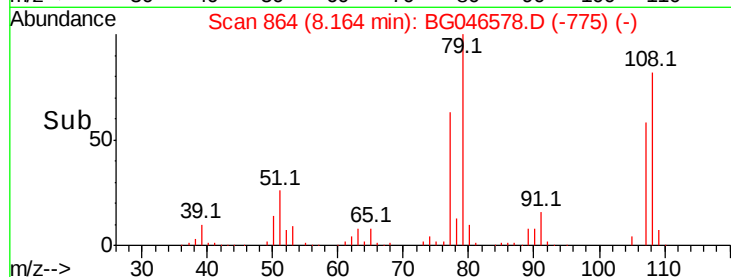
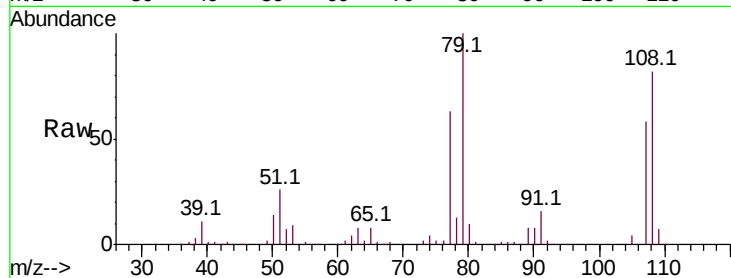




#15
Benzyl Alcohol
Concen: 44.014 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.01 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

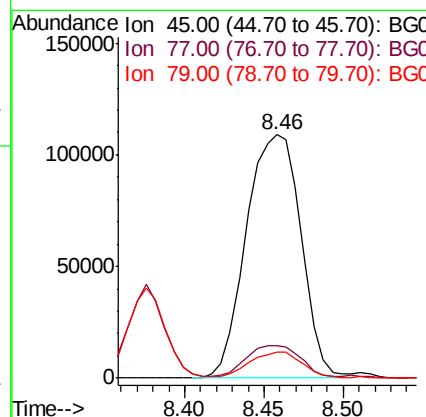
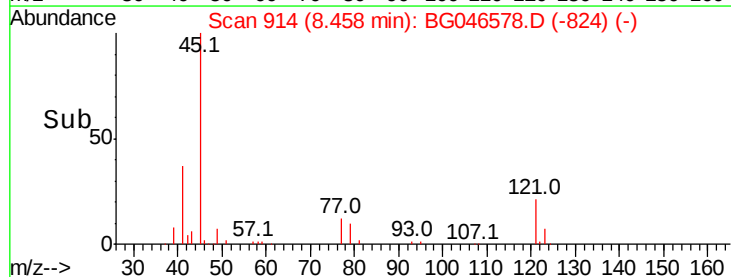
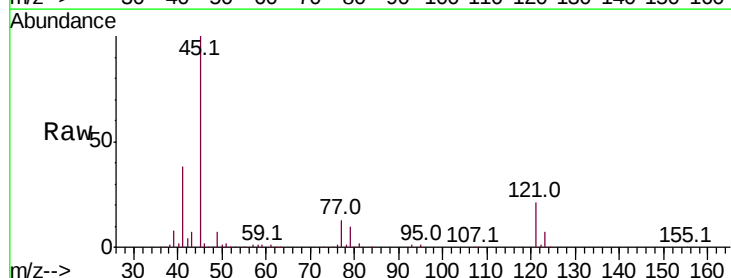
Instrument :
BNA_G
ClientSampleId :
VNJ-218MSD

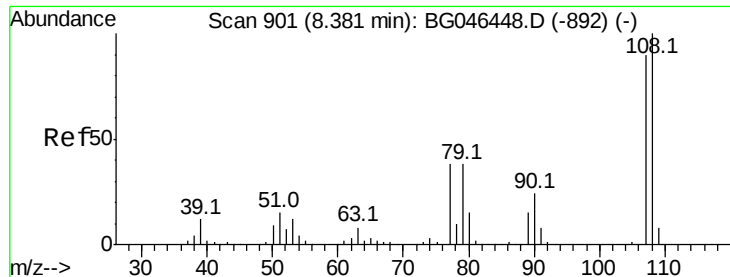
Tot Ion	Ratio	Lower	Upper
79	100		
108	82.1	65.7	98.5
77	62.5	50.3	75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.773 ng
RT: 8.46 min Scan# 914
Delta R.T. 0.00 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
45	100		
77	13.3	0.0	33.2
79	10.5	0.0	30.3

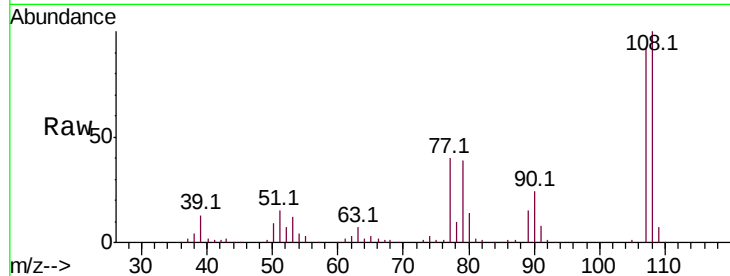




#17
2-Methylphenol
Concen: 43.440 ng
RT: 8.38 min Scan# 900
Delta R.T. 0.00 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Instrument :
BNA_G
ClientSampleId :
VNJ-218MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	108.7	89.4	134.0
77	43.8	34.5	51.7
79	42.2	33.8	50.6



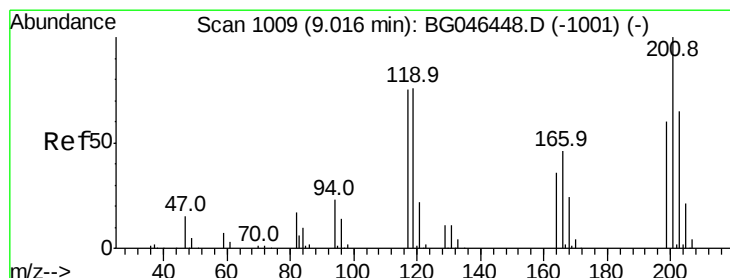
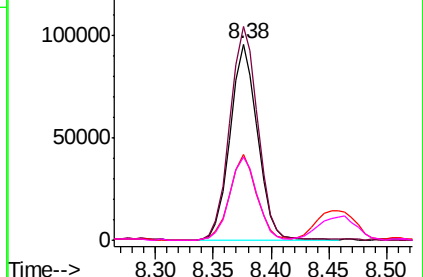
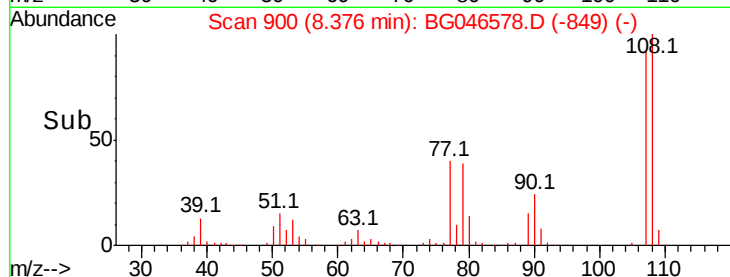
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

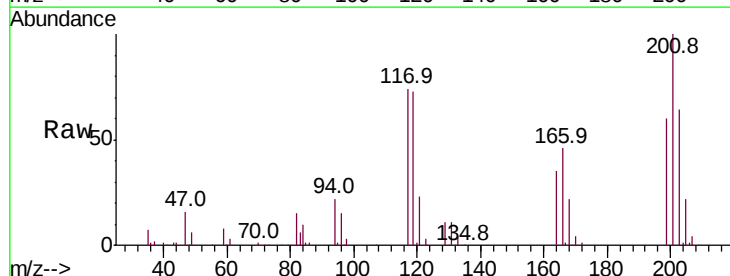
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18
Hexachloroethane
Concen: 41.953 ng
RT: 9.01 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	80.8	121.2
201	135.8	106.7	160.1

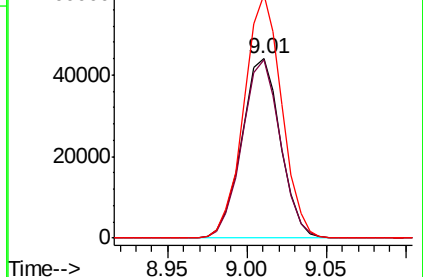
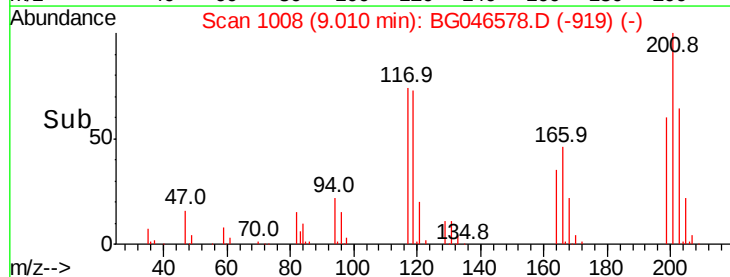


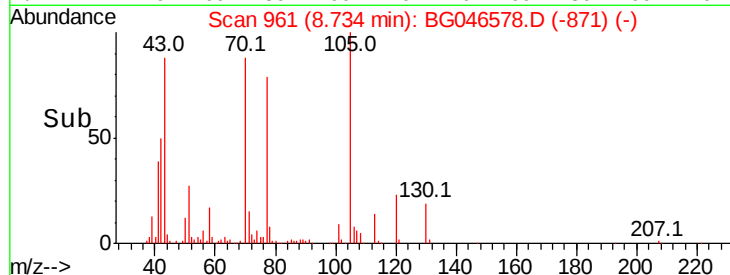
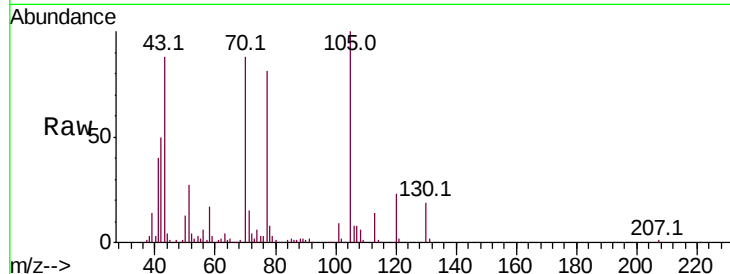
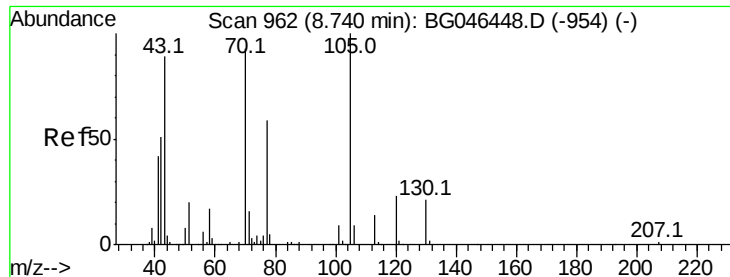
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

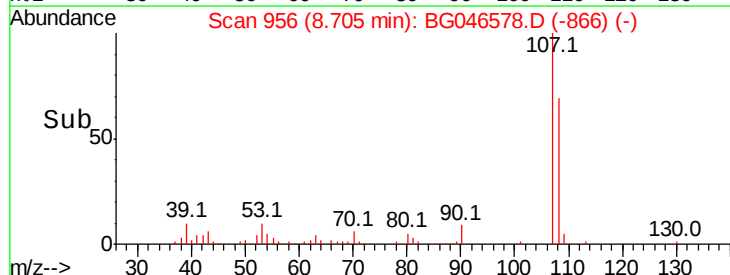
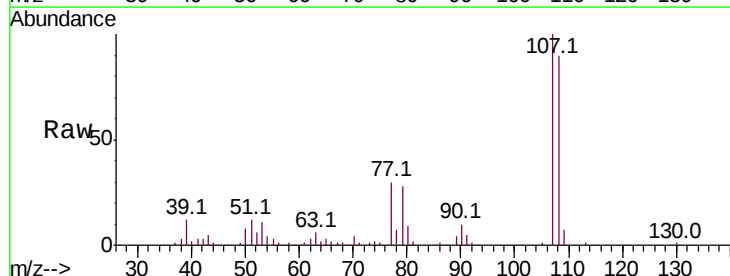
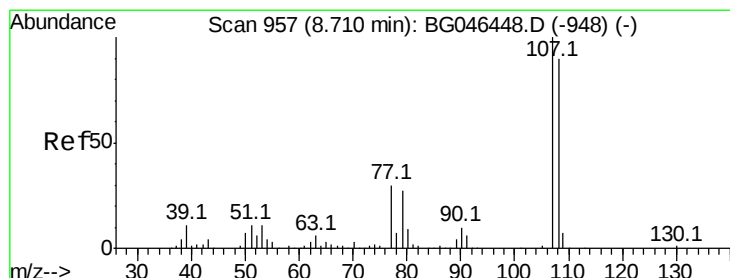
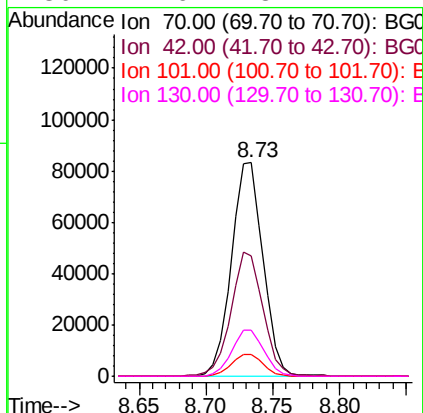




#19
n-Nitroso-di-n-propylamine
Concen: 41.107 ng
RT: 8.73 min Scan# 961
Delta R.T. 0.00 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

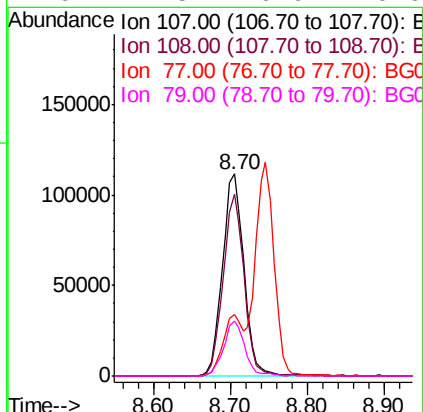
Instrument :
BNA_G
ClientSampleId :
VNJ-218MSD

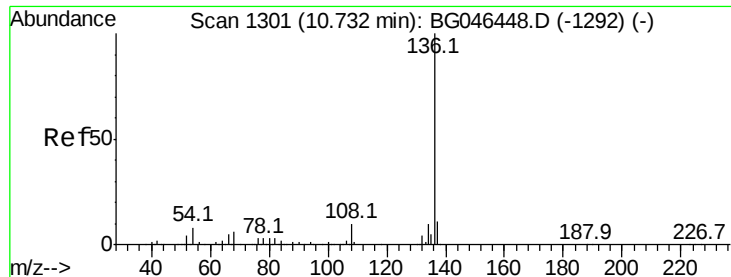
Tot Ion:	70	Resp:	136881
Ion	Ratio	Lower	Upper
70	100		
42	56.3	44.2	66.2
101	10.3	7.8	11.8
130	21.6	18.2	27.4



#20
3+4-Methylphenols
Concen: 43.311 ng
RT: 8.70 min Scan# 956
Delta R.T. 0.00 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Tgt Ion:	107	Resp:	217384
Ion	Ratio	Lower	Upper
107	100		
108	90.3	69.7	109.7
77	30.2	9.7	49.7
79	27.5	6.9	46.9

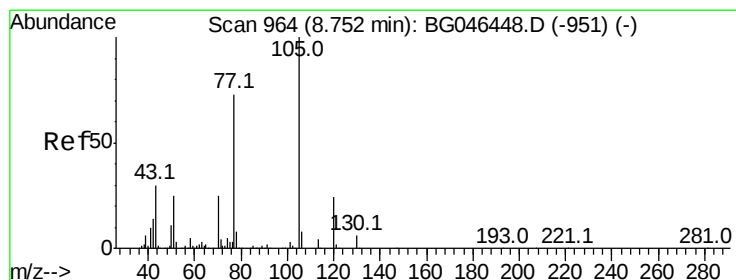
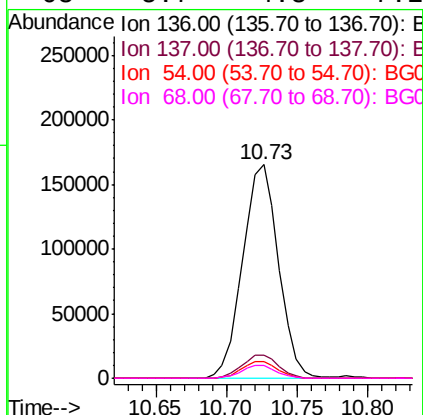
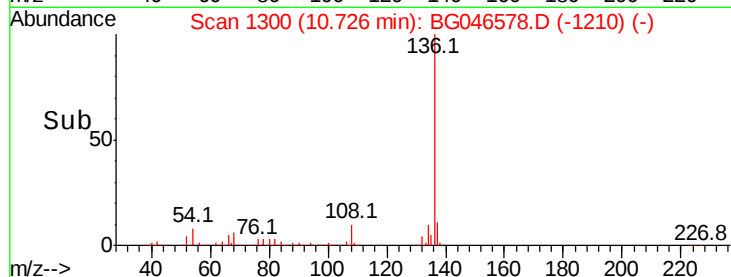
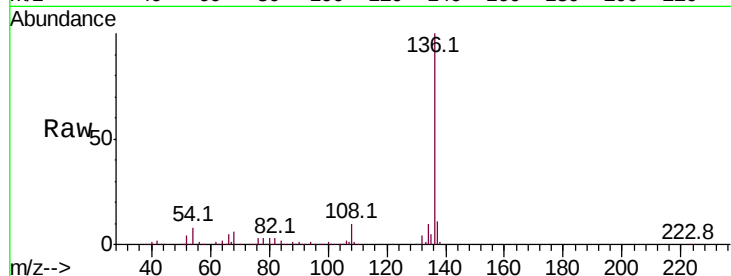




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

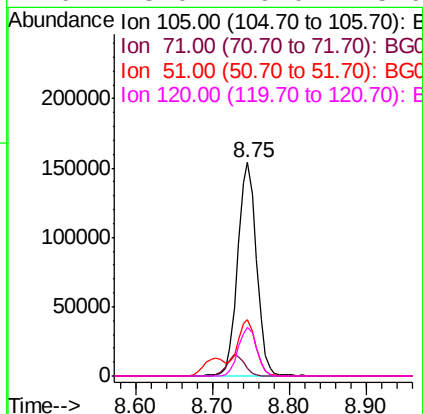
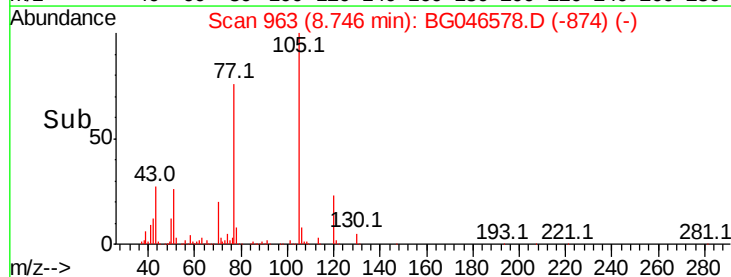
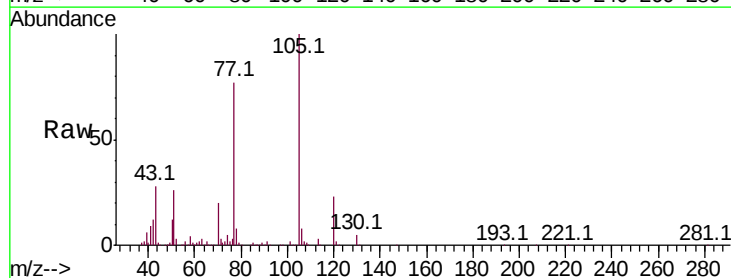
Instrument :
BNA_G
ClientSampleId :
VNJ-218MSD

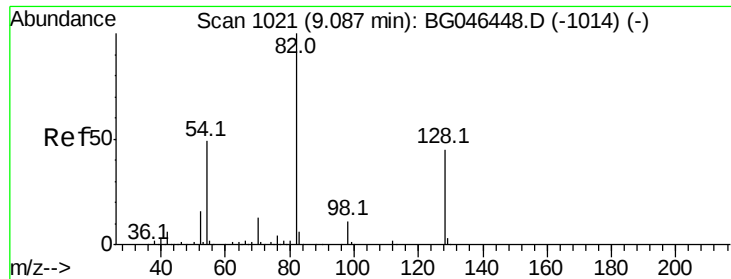
Tot Ion:136	Resp:	294702
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.8 13.2
54	7.7	6.1 9.1
68	5.7	4.8 7.2



#22
Acetophenone
Concen: 37.007 ng
RT: 8.75 min Scan# 963
Delta R.T. -0.01 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Tgt Ion:105	Resp:	265477
Ion	Ratio	Lower Upper
105	100	
71	3.4	3.3 4.9
51	26.2	20.6 31.0
120	23.0	19.0 28.6

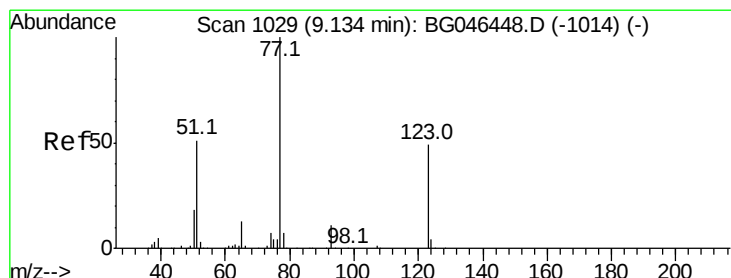
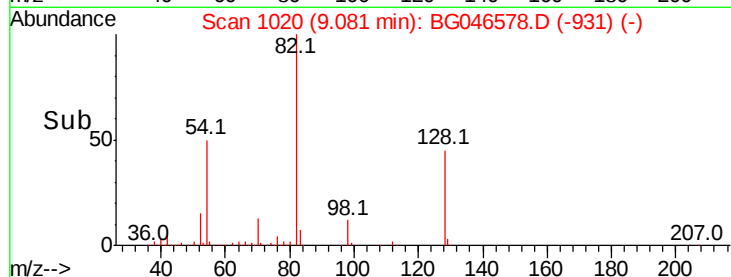
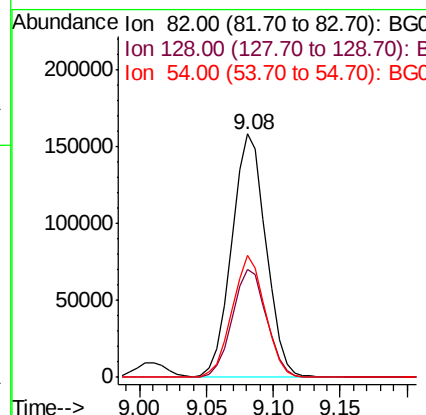
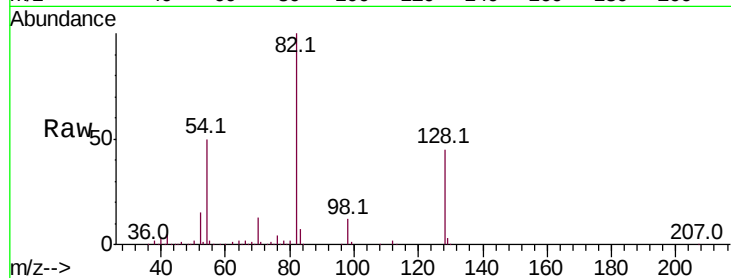




#23
 Nitrobenzene-d5
 Concen: 54.628 ng
 RT: 9.08 min Scan# 1020
 Delta R.T. -0.01 min
 Lab File: BG046578.D
 Acq: 9 Sep 2020 18:37

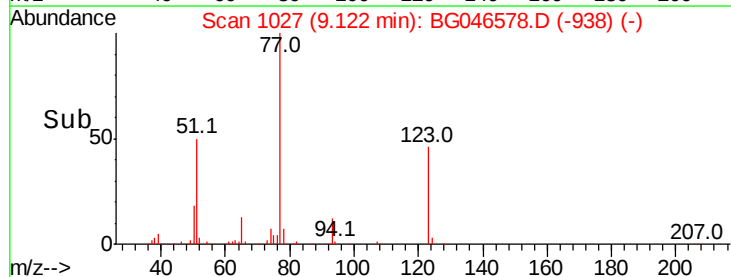
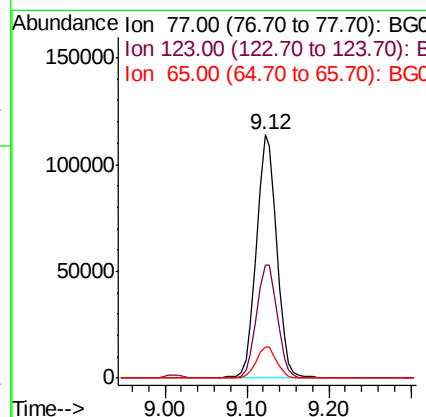
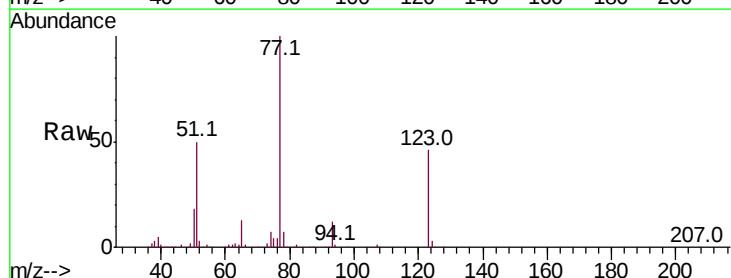
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-218MSD

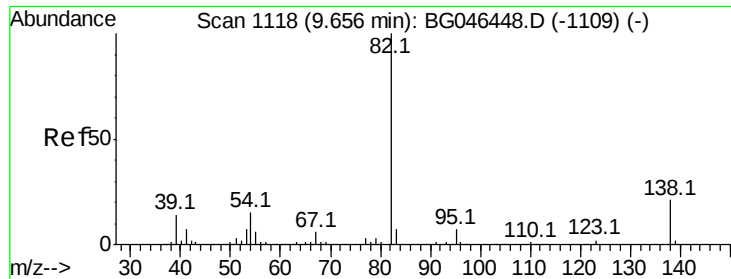
Tot Ion: 82 Resp: 281670
 Ion Ratio Lower Upper
 82 100
 128 44.6 35.7 53.5
 54 49.9 39.4 59.0



#24
 Nitrobenzene
 Concen: 38.870 ng
 RT: 9.12 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BG046578.D
 Acq: 9 Sep 2020 18:37

Tgt Ion: 77 Resp: 198005
 Ion Ratio Lower Upper
 77 100
 123 46.3 39.6 59.4
 65 12.6 10.1 15.1





#25

Isophorone

Concen: 40.672 ng

RT: 9.65 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

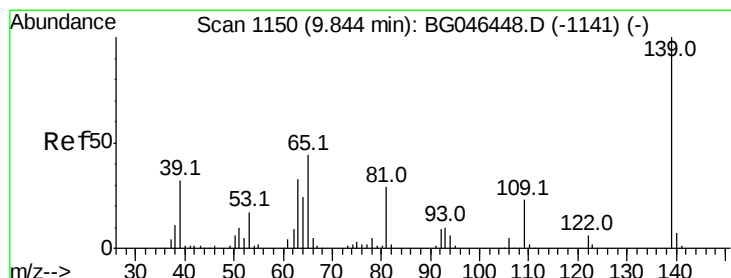
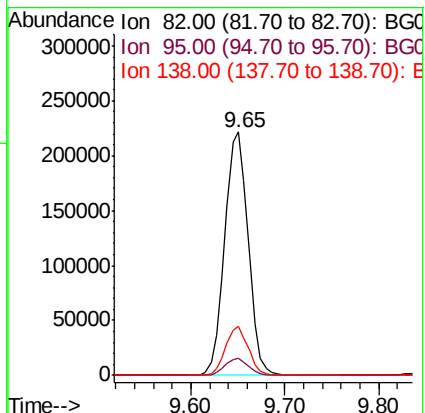
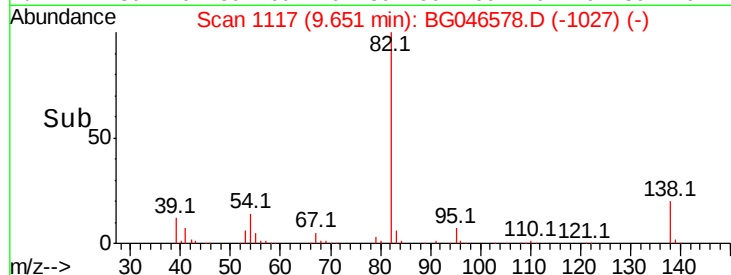
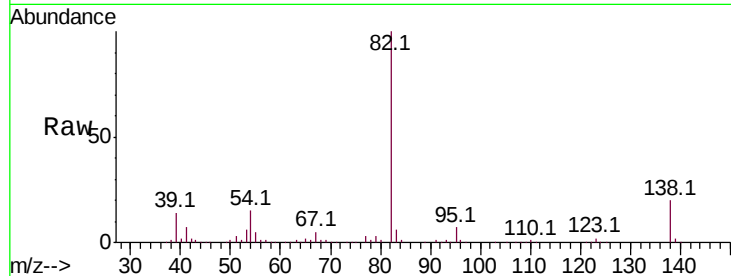
Tot Ion: 82 Resp: 384482

Ion Ratio Lower Upper

82 100

95 7.0 5.8 8.6

138 20.1 16.4 24.6



#26

2-Nitrophenol

Concen: 41.387 ng

RT: 9.84 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

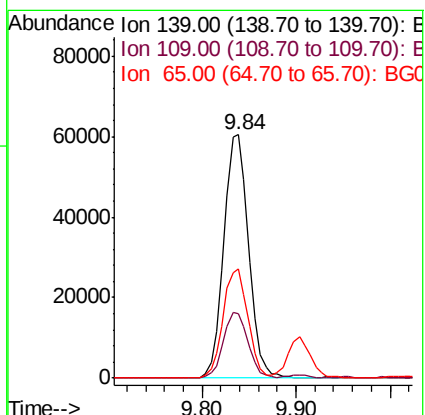
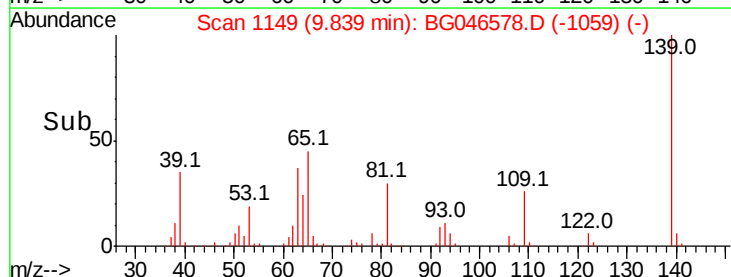
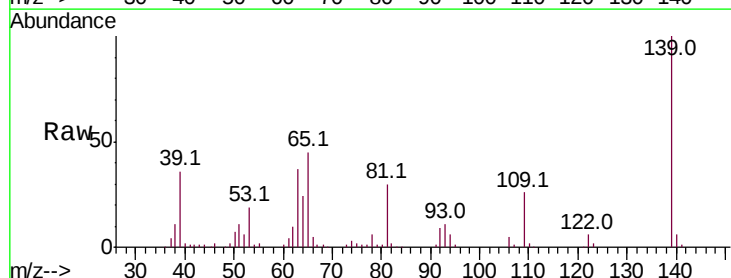
Tgt Ion: 139 Resp: 111234

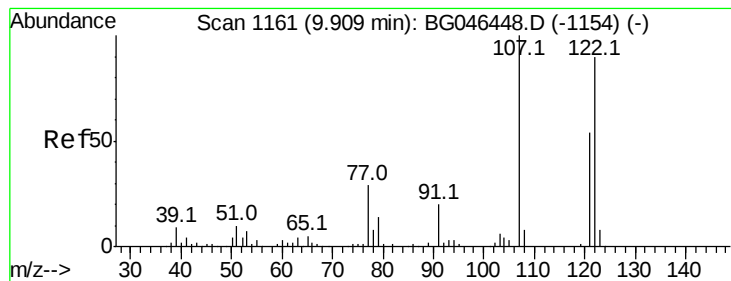
Ion Ratio Lower Upper

139 100

109 26.4 18.8 28.2

65 45.0 35.0 52.6





#27

2,4-Dimethylphenol

Concen: 47.704 ng

RT: 9.90 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

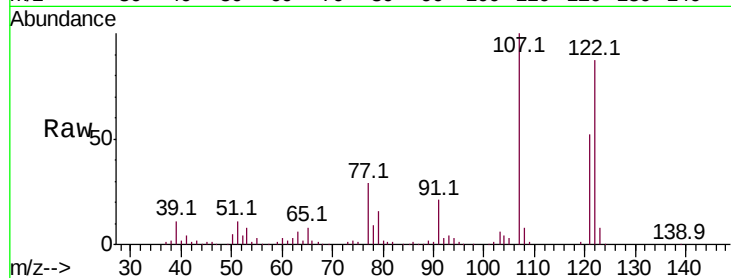
Tot Ion:122 Resp: 176340

Ion Ratio Lower Upper

122 100

107 114.6 88.2 132.2

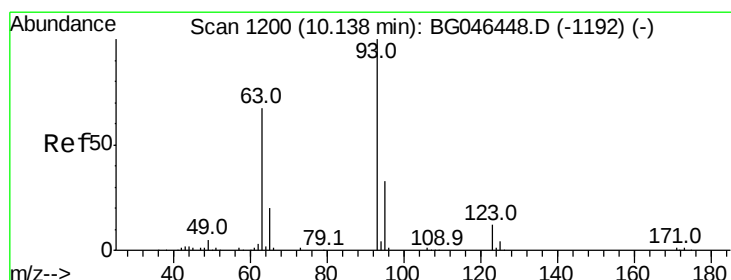
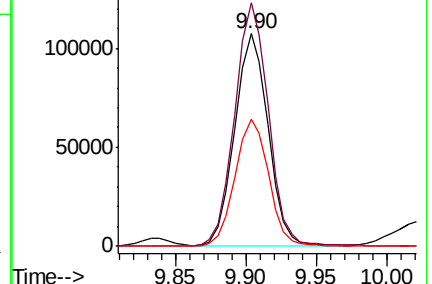
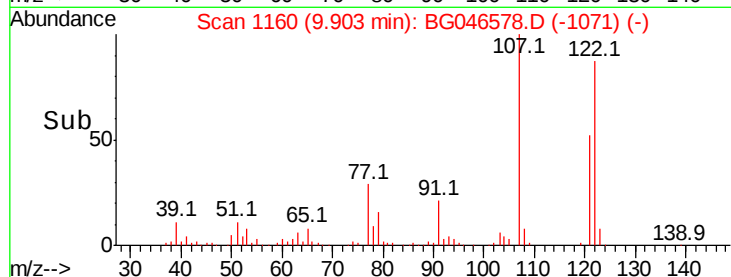
121 59.9 47.4 71.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 38.828 ng

RT: 10.13 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

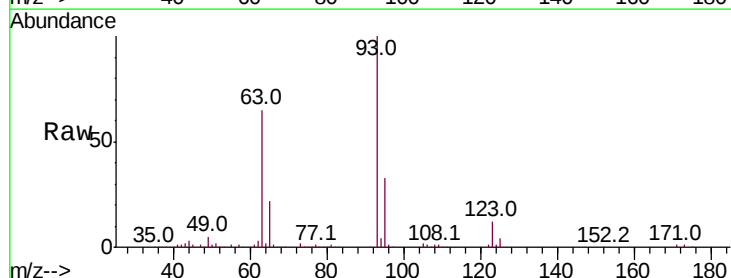
Tgt Ion: 93 Resp: 236247

Ion Ratio Lower Upper

93 100

95 32.9 26.1 39.1

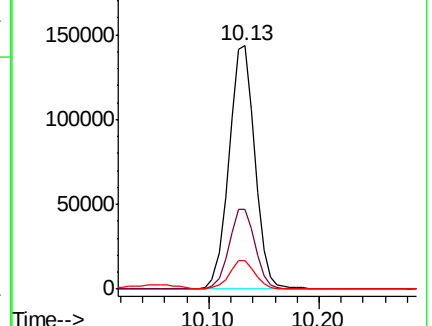
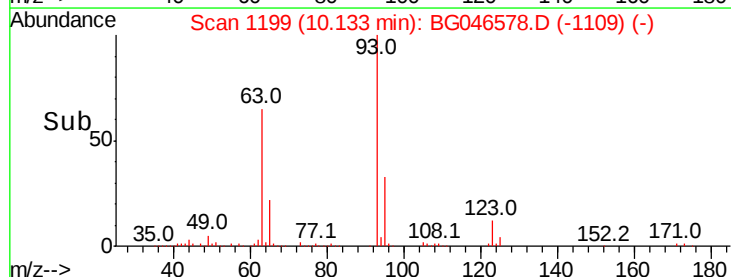
123 11.6 9.5 14.3

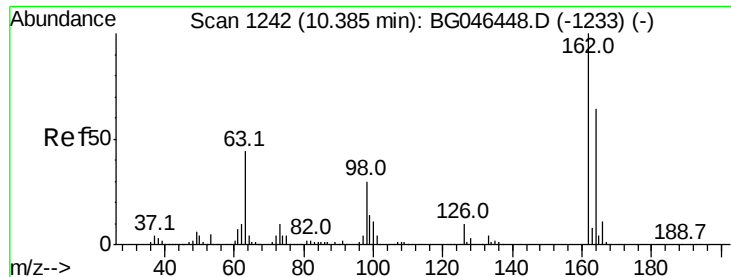


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

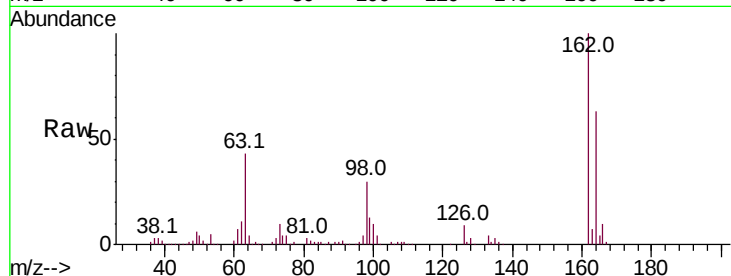




#29
 2,4-Dichlorophenol
 Concen: 42.063 ng
 RT: 10.38 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: BG046578.D
 Acq: 9 Sep 2020 18:37

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-218MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.1	44.3	84.3
98	30.4	10.0	50.0

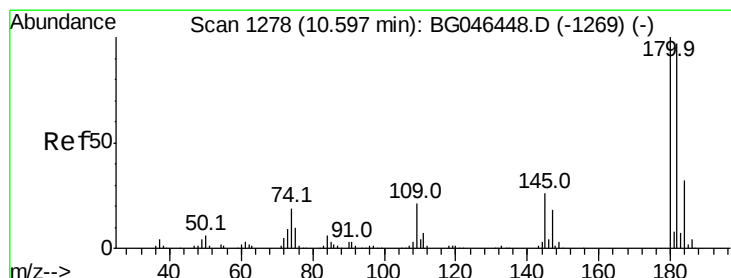
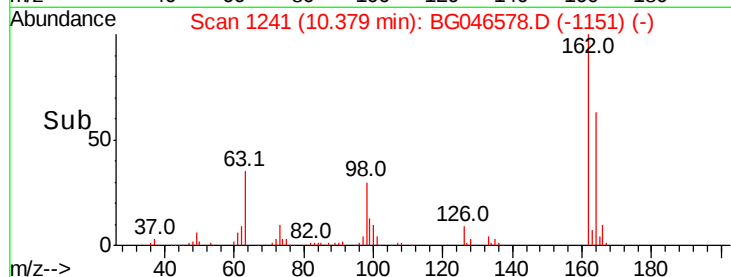
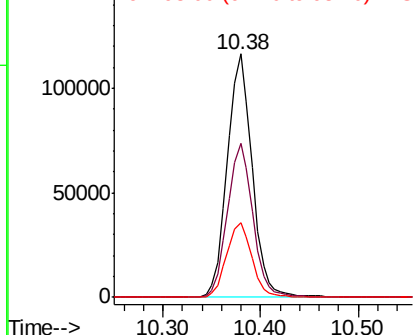


Abundance

Ion 162.00 (161.70 to 162.70): E

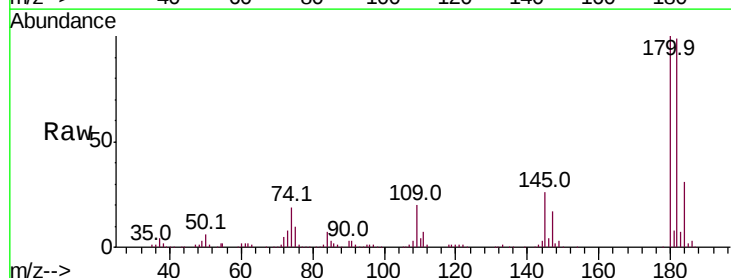
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30
 1,2,4-Trichlorobenzene
 Concen: 39.945 ng
 RT: 10.59 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BG046578.D
 Acq: 9 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	77.8	116.8
145	26.1	20.9	31.3

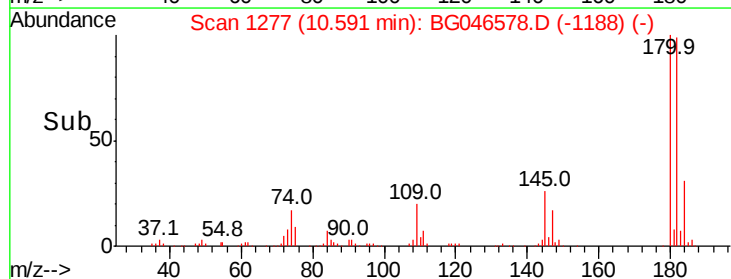
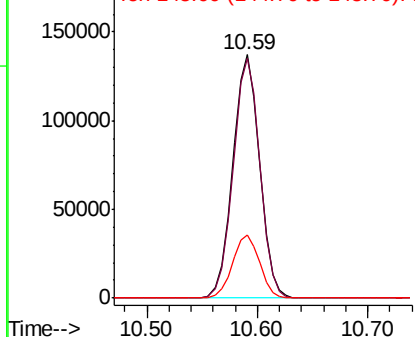


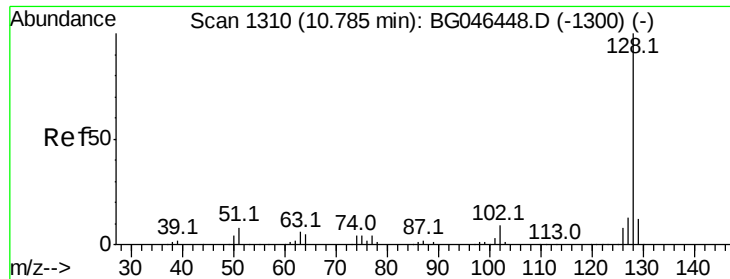
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

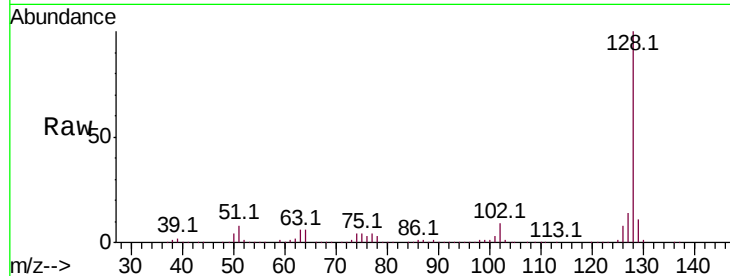




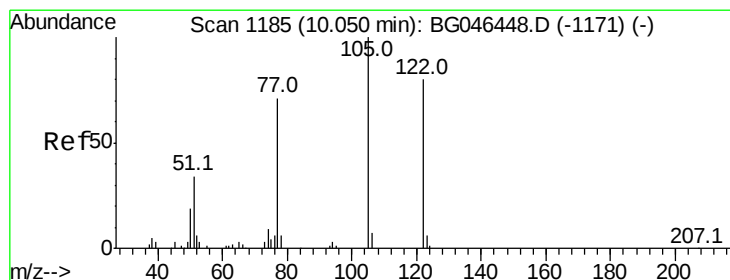
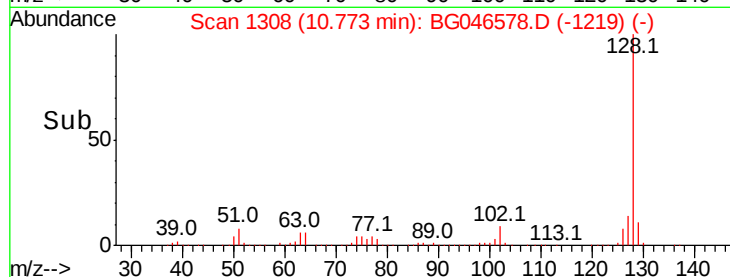
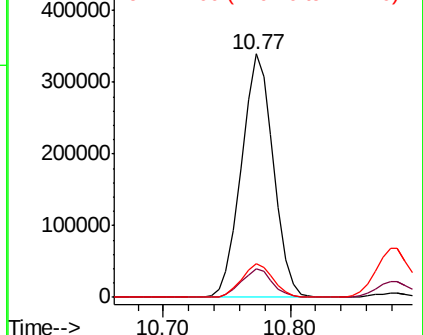
#31
Naphthalene
Concen: 41.066 ng
RT: 10.77 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Instrument :
BNA_G
ClientSampleId :
VNJ-218MSD

Tot Ion:128 Resp: 590906
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 13.7 10.7 16.1

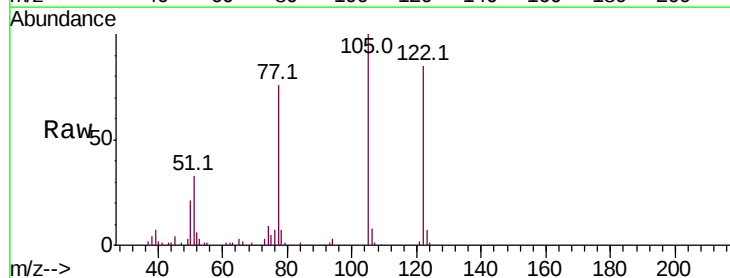


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

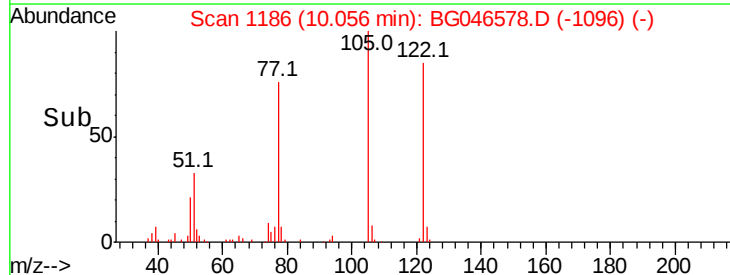
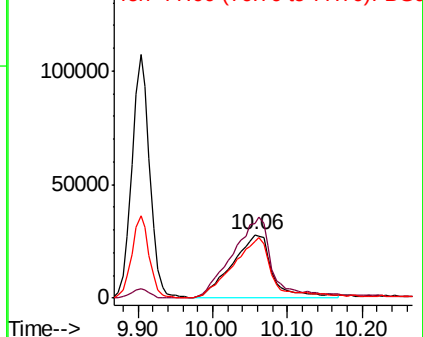


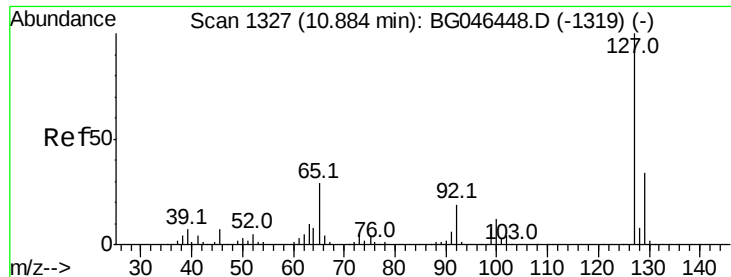
#32
Benzoic acid
Concen: 39.531 ng
RT: 10.06 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Tgt Ion:122 Resp: 101403
Ion Ratio Lower Upper
122 100
105 117.4 102.5 142.5
77 89.1 68.2 108.2



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG

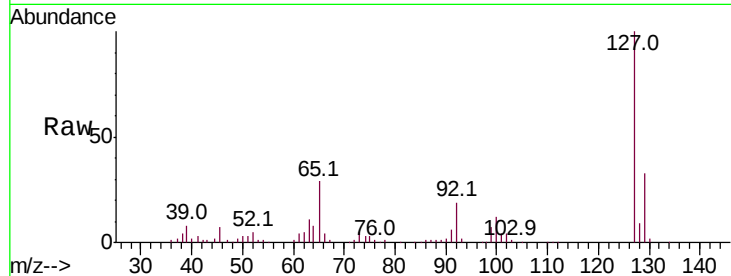




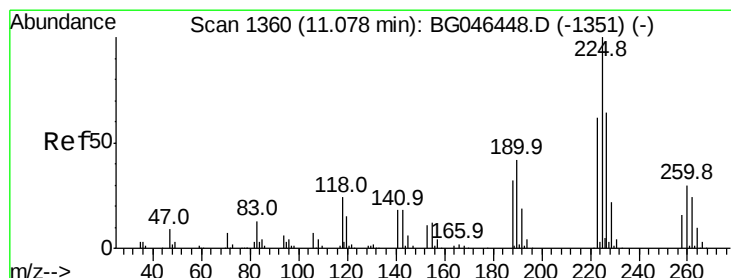
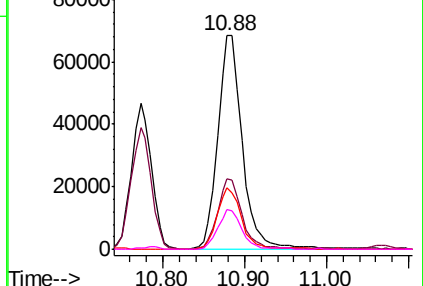
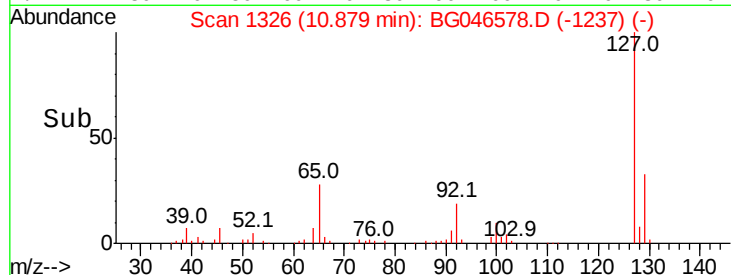
#33
4-Chloroaniline
Concen: 22.482 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Instrument :
BNA_G
ClientSampleId :
VNJ-218MSD

Tot Ion:	127	Resp:	142647
Ion	Ratio	Lower	Upper
127	100		
129	33.0	27.0	40.4
65	28.6	23.5	35.3
92	18.6	14.9	22.3

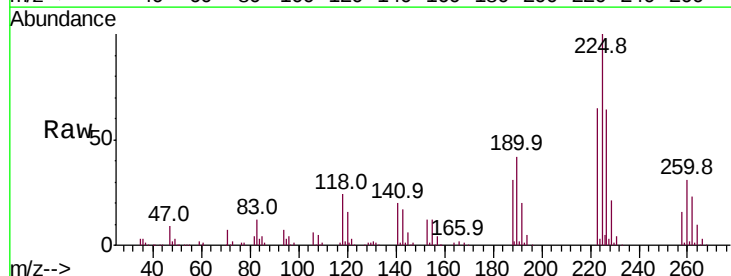


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

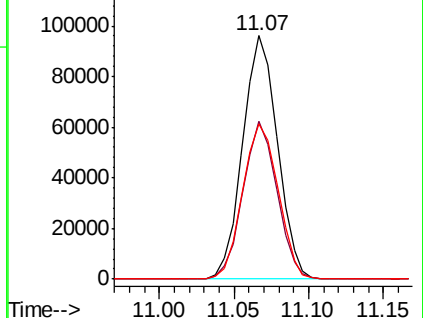
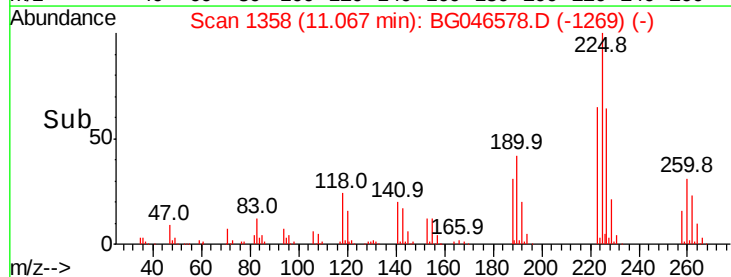


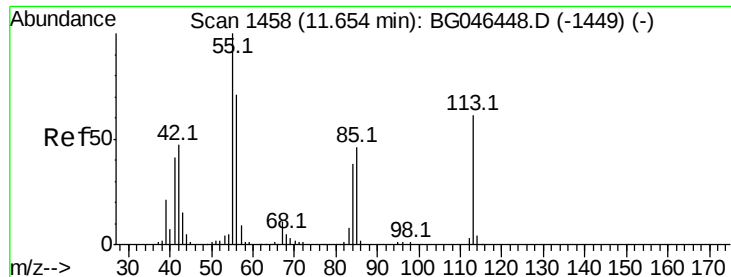
#34
Hexachlorobutadiene
Concen: 40.865 ng
RT: 11.07 min Scan# 1358
Delta R.T. -0.01 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Tgt Ion:	225	Resp:	155104
Ion	Ratio	Lower	Upper
225	100		
223	64.7	49.9	74.9
227	63.8	51.6	77.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 27.239 ng

RT: 11.65 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

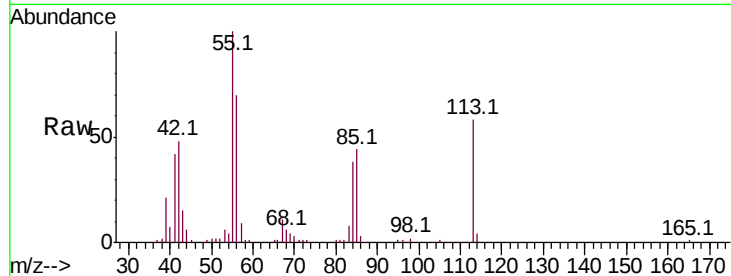
Tot Ion:113 Resp: 50174

Ion Ratio Lower Upper

113 100

55 171.0 144.2 184.2

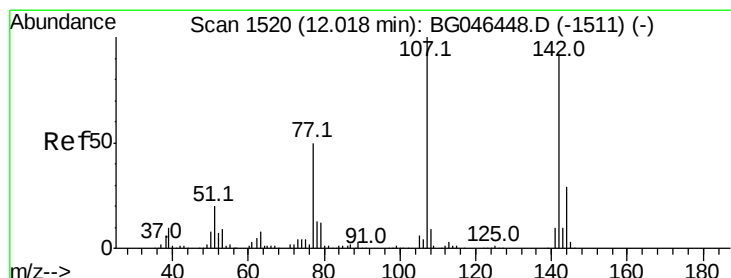
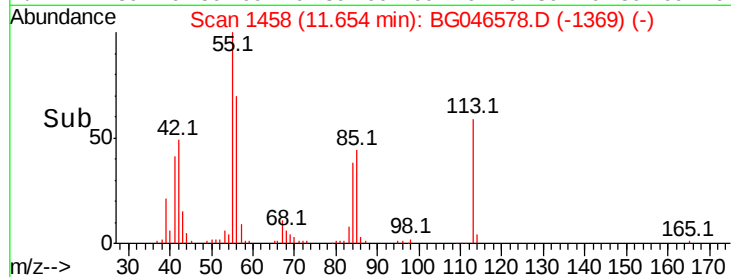
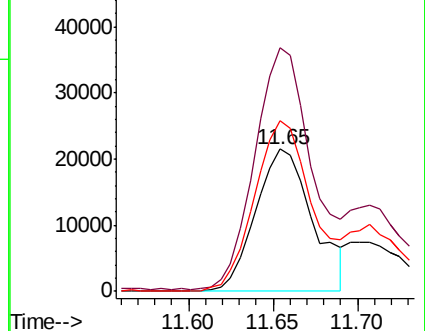
56 119.5 97.0 137.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 43.084 ng

RT: 12.02 min Scan# 1520

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

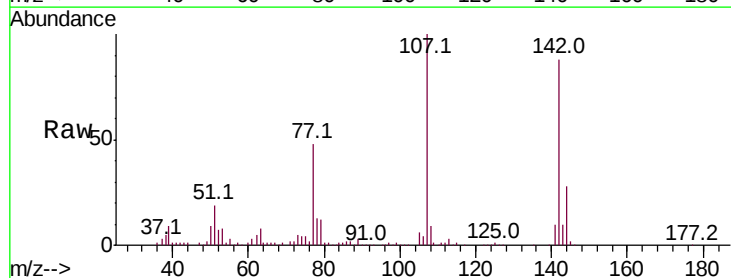
Tgt Ion:107 Resp: 207650

Ion Ratio Lower Upper

107 100

144 28.3 23.3 34.9

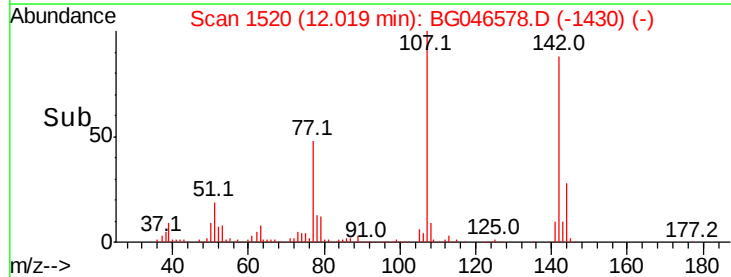
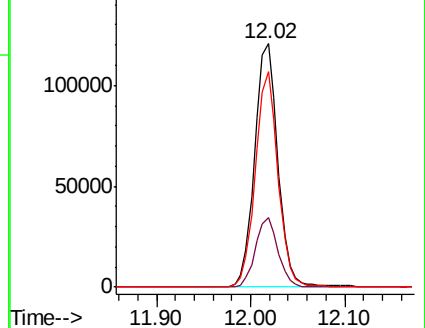
142 88.3 73.7 110.5

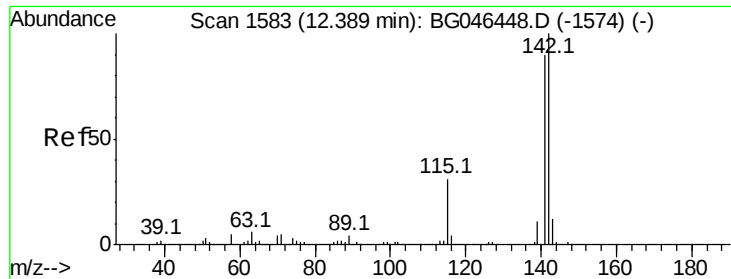


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 42.473 ng

RT: 12.38 min Scan# 1582

Delta R.T. -0.01 min

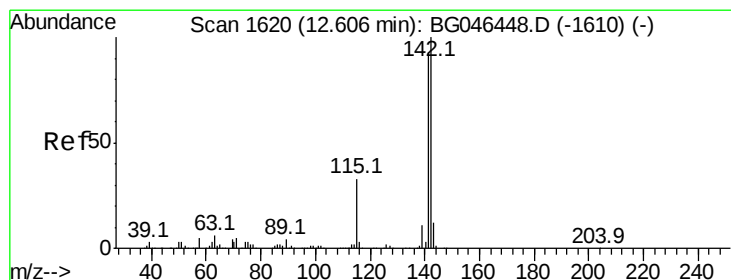
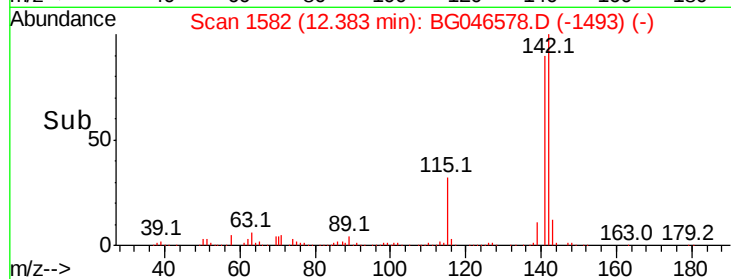
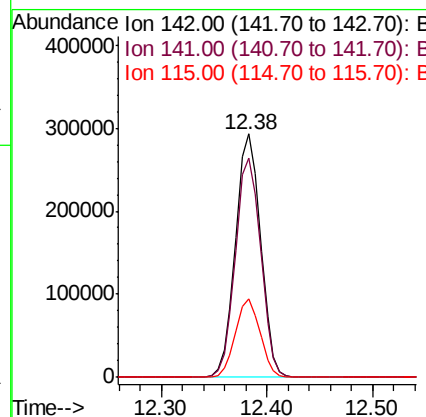
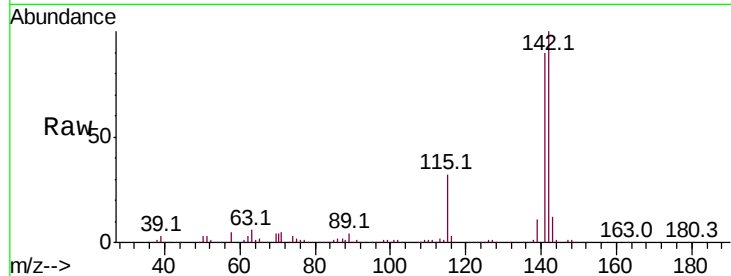
Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :
BNA_G
ClientSampleId :
VNJ-218MSD

Tot Ion:142 Resp: 482004

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.1	108.1
115	32.1	24.9	37.3



#38

1-Methylnaphthalene

Concen: 41.580 ng

RT: 12.60 min Scan# 1619

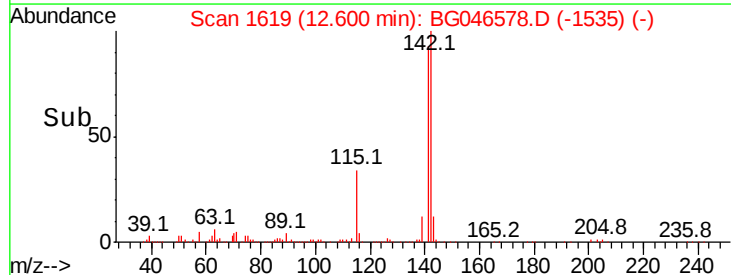
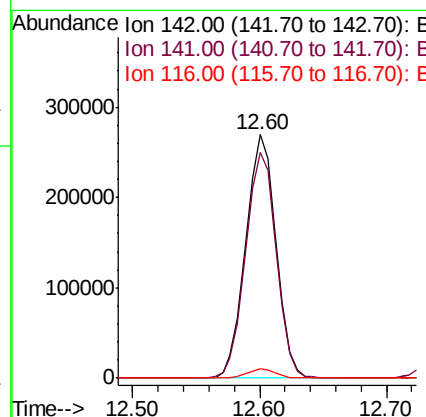
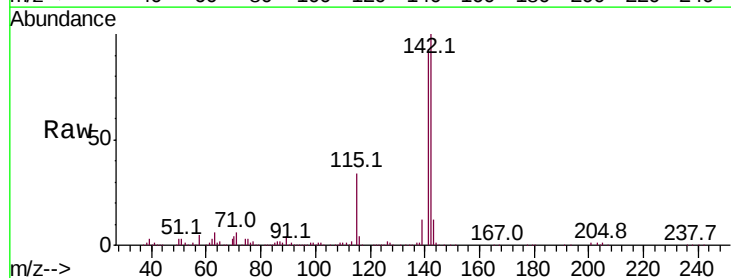
Delta R.T. -0.01 min

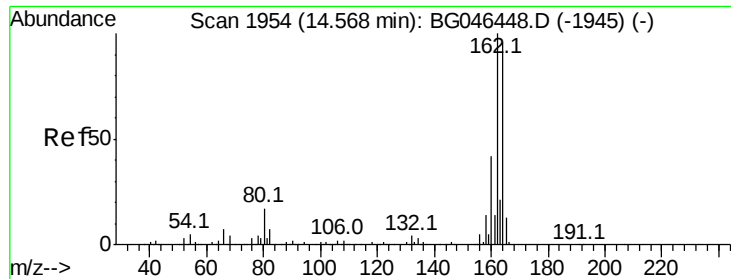
Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Tgt Ion:142 Resp: 446968

Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.7	112.1
116	3.8	2.6	4.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

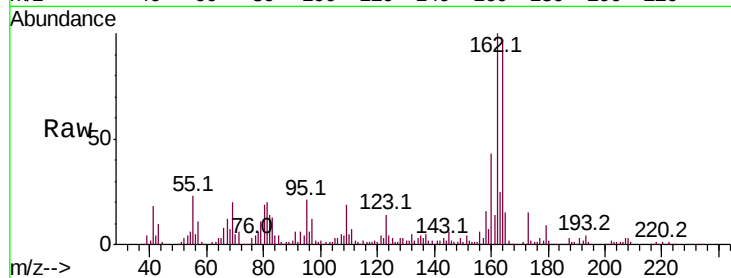
Tot Ion:164 Resp: 199767

Ion Ratio Lower Upper

164 100

162 103.5 83.3 124.9

160 44.9 35.0 52.6

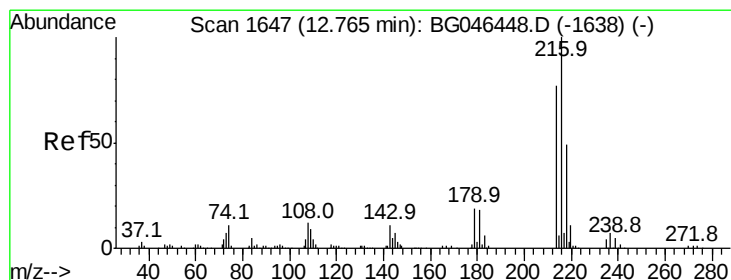
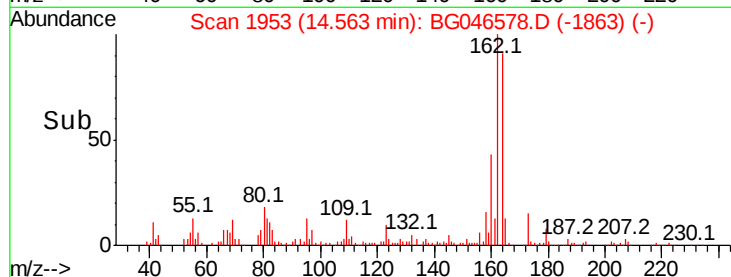
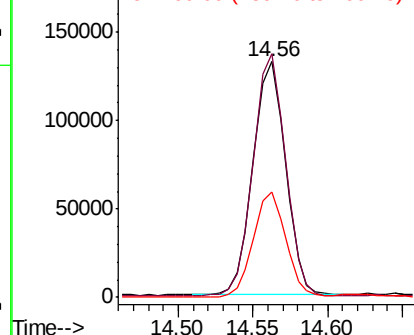


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.987 ng

RT: 12.76 min Scan# 1646

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Tgt Ion:216 Resp: 296356

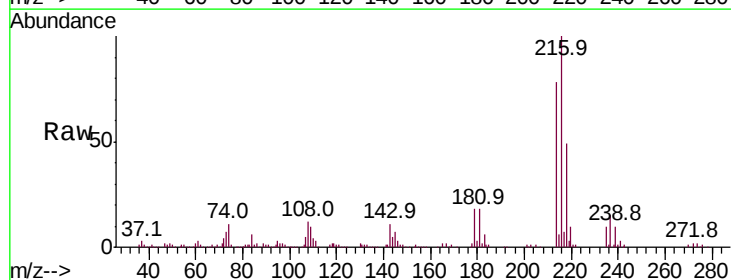
Ion Ratio Lower Upper

216 100

214 77.4 62.1 93.1

179 18.2 14.9 22.3

108 14.6 10.5 15.7



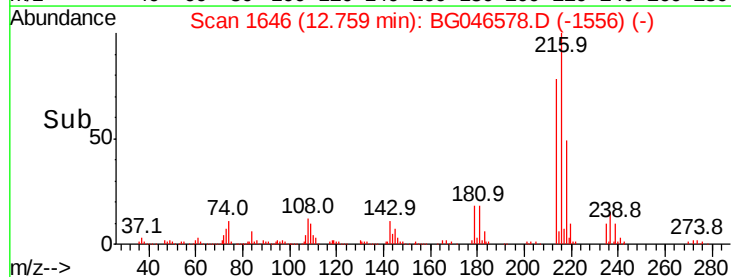
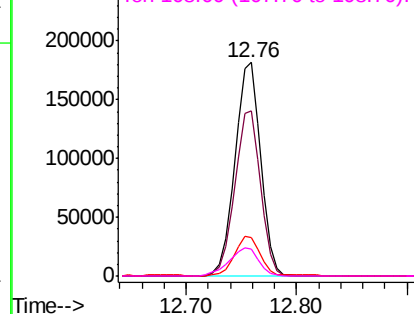
Abundance

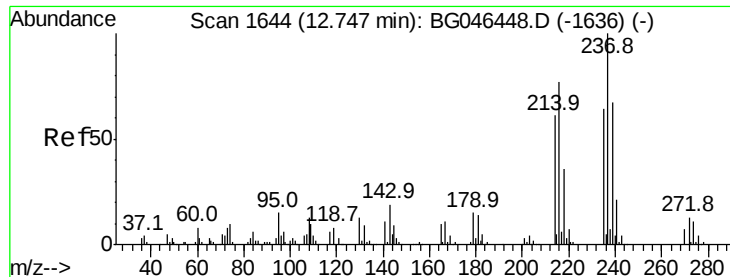
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 116.956 ng

RT: 12.74 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

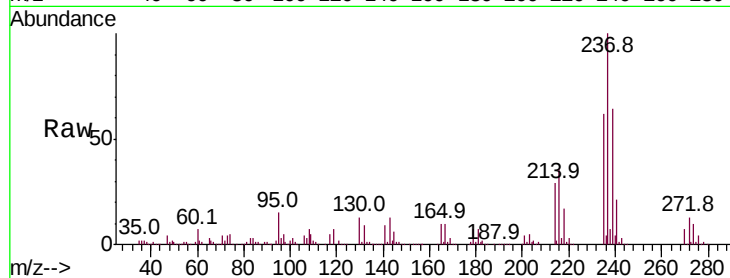
Tot Ion:237 Resp: 335013

Ion Ratio Lower Upper

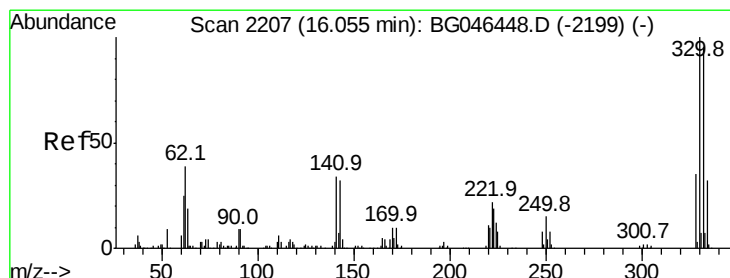
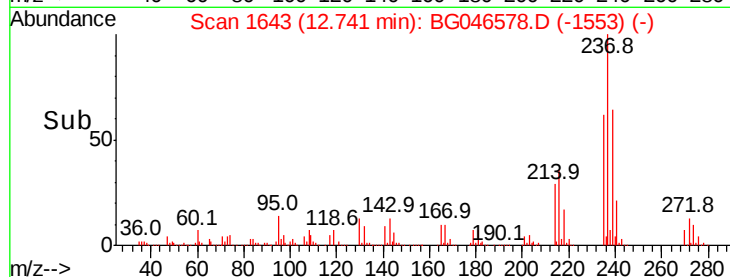
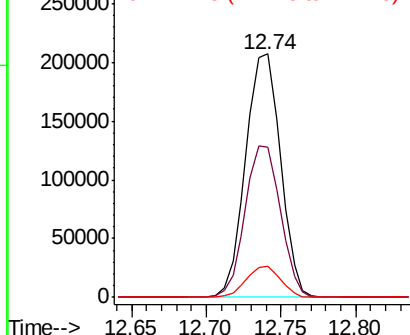
237 100

235 61.9 44.5 84.5

272 12.5 0.0 32.8



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 73.765 ng

RT: 16.05 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

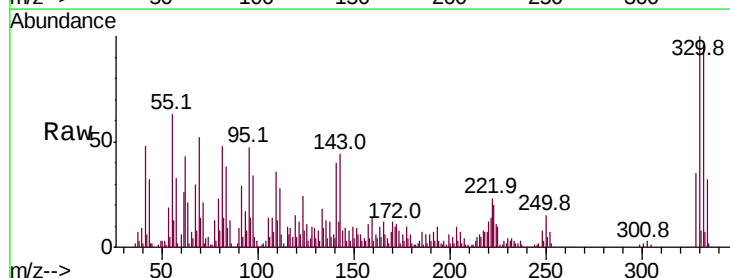
Tgt Ion:330 Resp: 199660

Ion Ratio Lower Upper

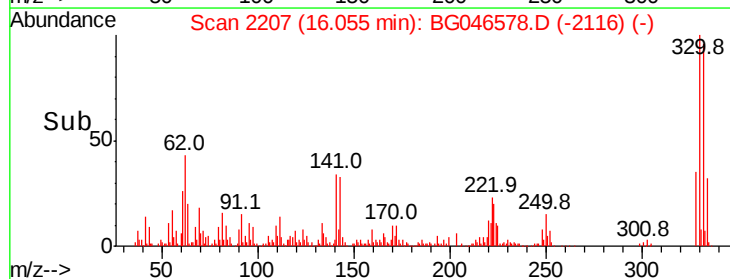
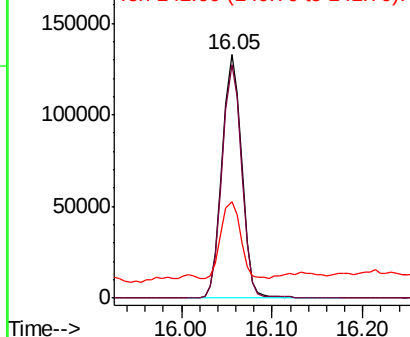
330 100

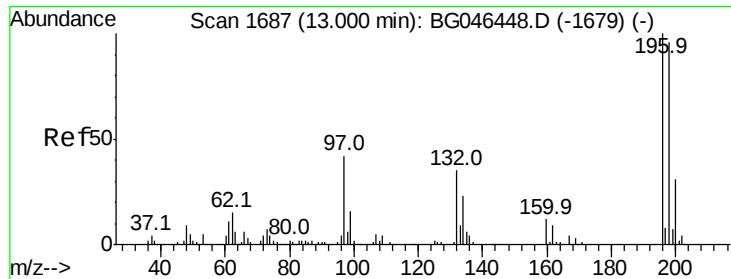
332 96.3 76.1 114.1

141 32.0 26.1 39.1



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

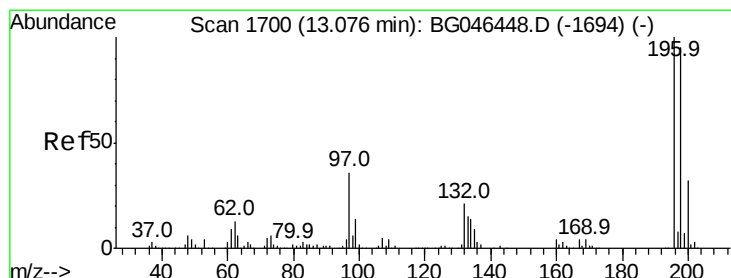
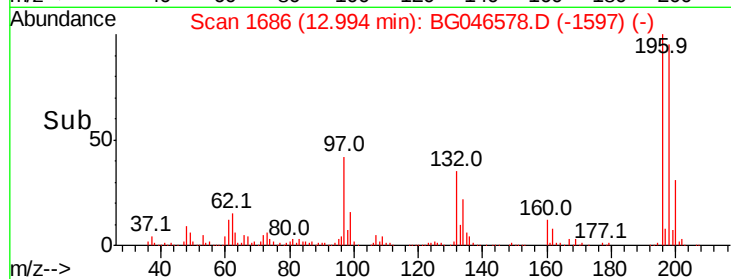
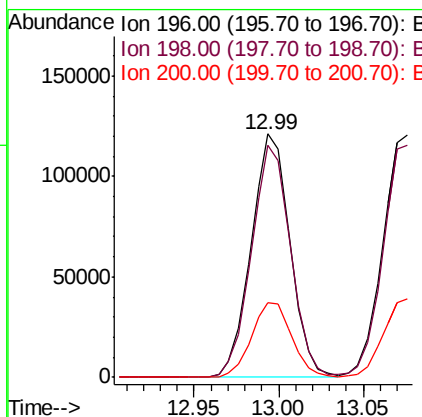
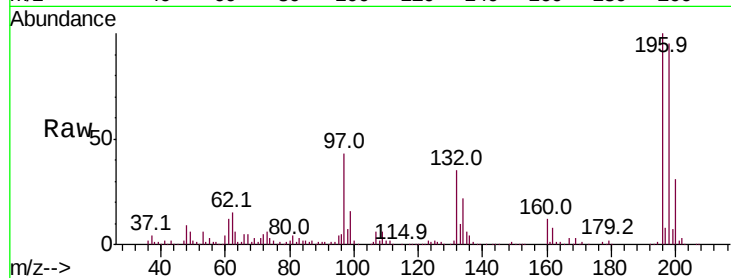




#43
 2,4,6-Trichlorophenol
 Concen: 43.474 ng
 RT: 12.99 min Scan# 1686
 Delta R.T. -0.01 min
 Lab File: BG046578.D
 Acq: 9 Sep 2020 18:37

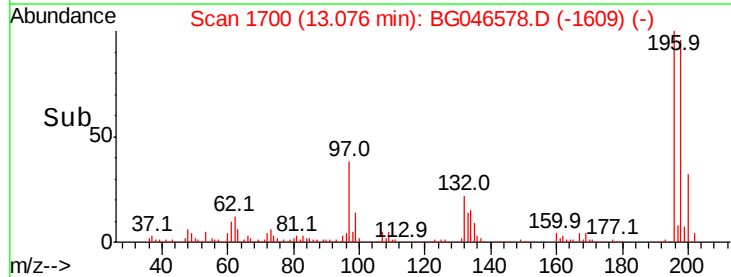
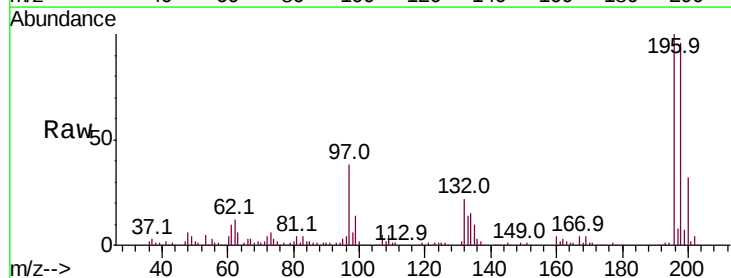
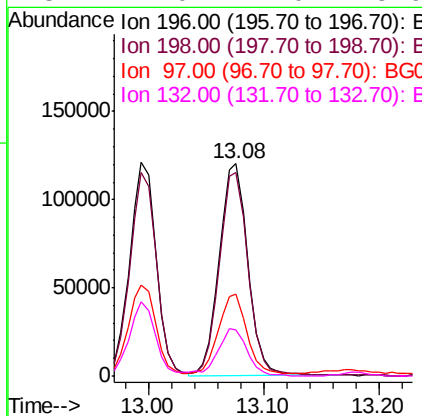
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-218MSD

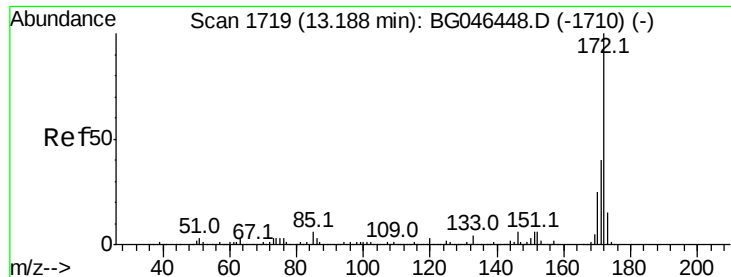
Tot Ion	Ratio	Lower	Upper
196	100		
198	95.2	77.0	115.6
200	30.6	25.2	37.8



#44
 2,4,5-Trichlorophenol
 Concen: 44.265 ng
 RT: 13.08 min Scan# 1700
 Delta R.T. 0.01 min
 Lab File: BG046578.D
 Acq: 9 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.0	75.6	113.4
97	38.3	28.6	43.0
132	22.0	17.0	25.6

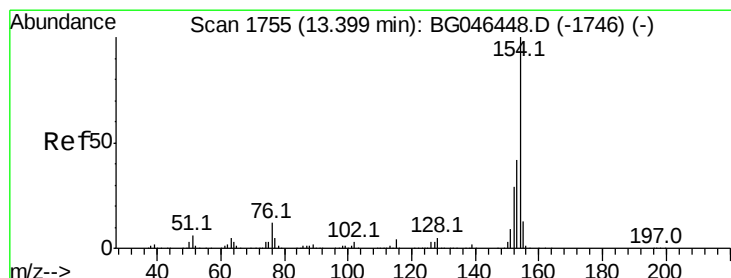
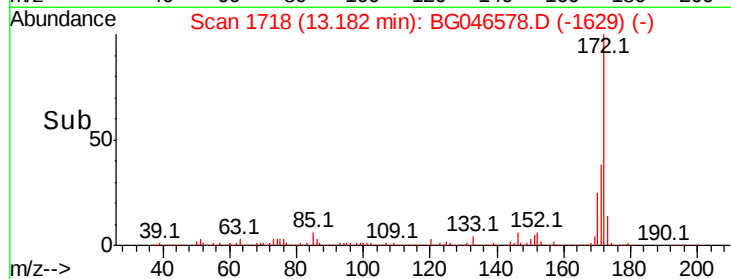
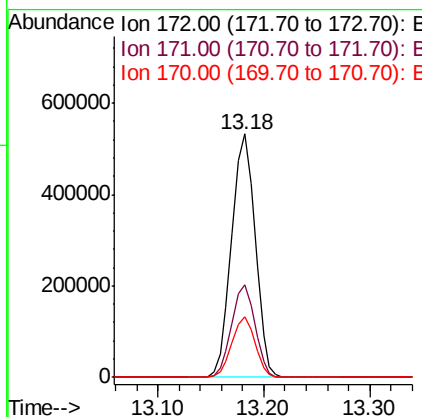
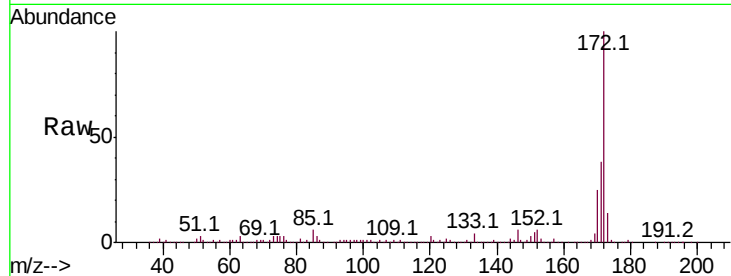




#45
2-Fluorobiphenyl
Concen: 62.691 ng
RT: 13.18 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

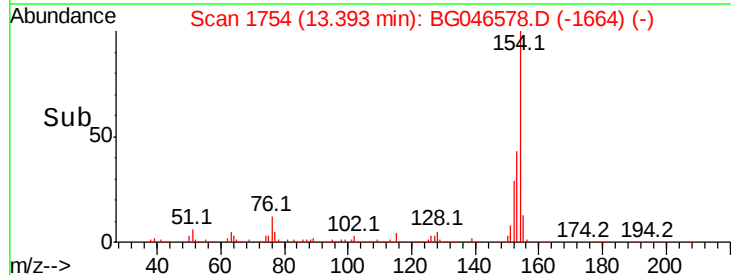
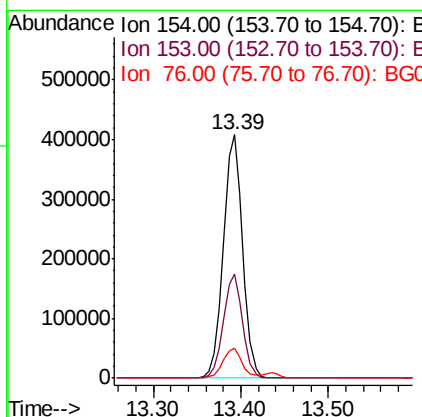
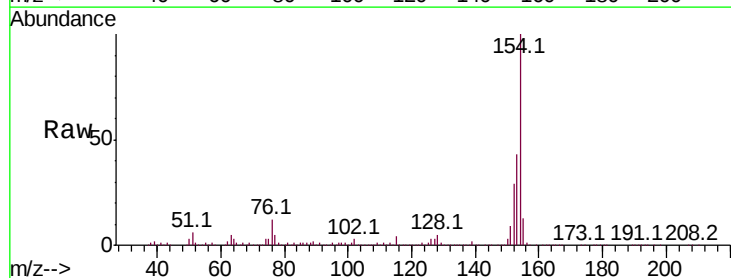
Instrument :
BNA_G
ClientSampleId :
VNJ-218MSD

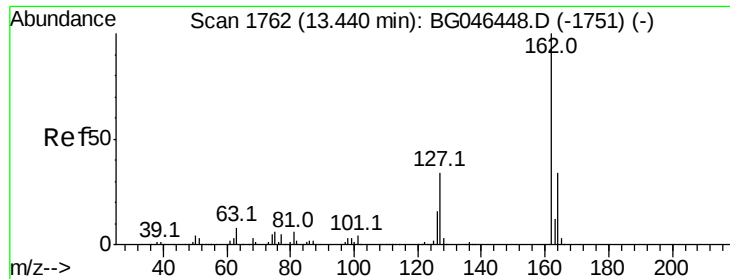
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.8	47.6
170	25.1	20.3	30.5



#46
1,1'-Biphenyl
Concen: 44.367 ng
RT: 13.39 min Scan# 1754
Delta R.T. 0.00 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.6	22.0	62.0
76	12.0	0.0	32.3





#47

2-Chloronaphthalene

Concen: 41.407 ng

RT: 13.43 min Scan# 1761

Delta R.T. -0.01 min

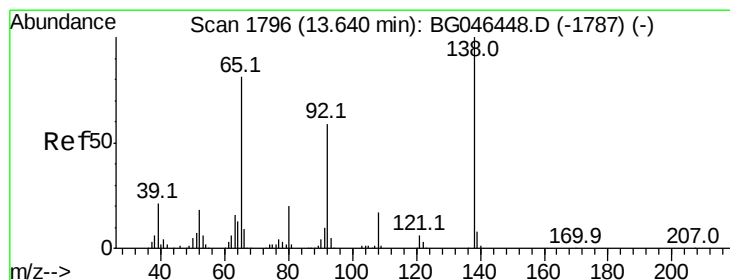
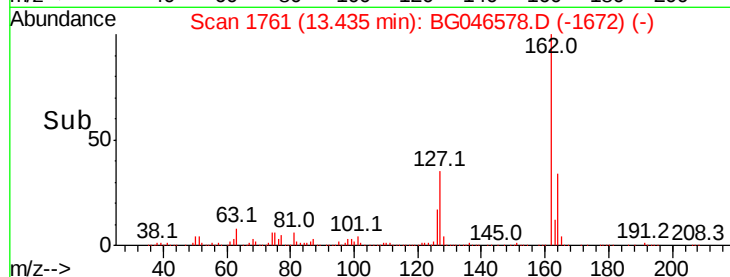
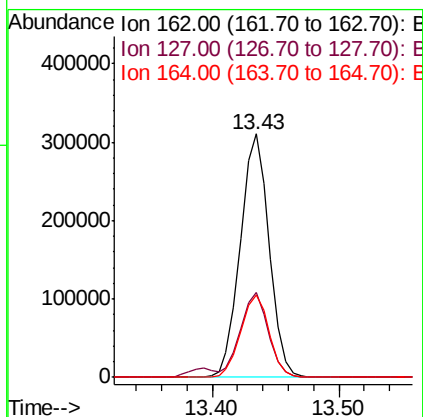
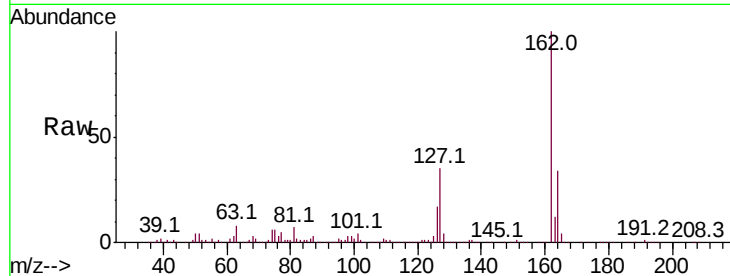
Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :
BNA_G
ClientSampleId :
VNJ-218MSD

Tot Ion:162 Resp: 487942

Ion	Ratio	Lower	Upper
162	100		
127	35.0	27.6	41.4
164	33.9	27.3	40.9



#48

2-Nitroaniline

Concen: 39.534 ng

RT: 13.63 min Scan# 1795

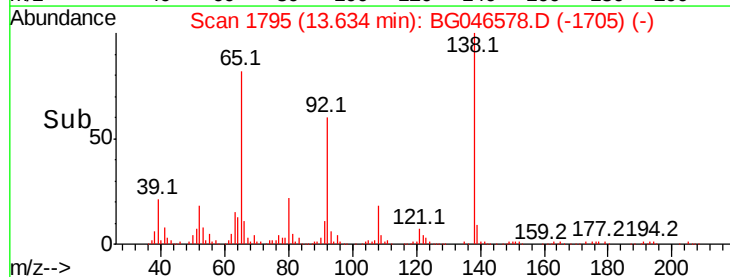
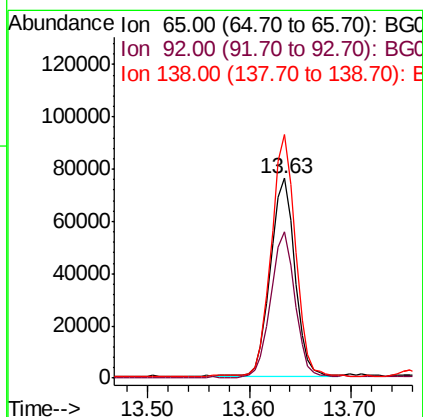
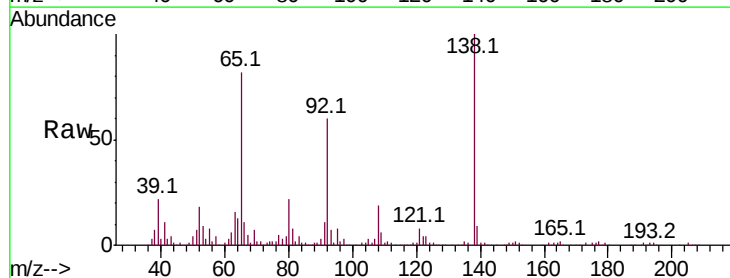
Delta R.T. 0.00 min

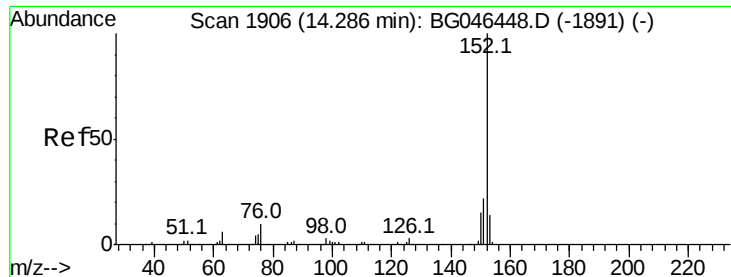
Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Tgt Ion: 65 Resp: 129363

Ion	Ratio	Lower	Upper
65	100		
92	73.2	58.5	87.7
138	121.7	98.4	147.6





#49

Acenaphthylene

Concen: 41.517 ng

RT: 14.28 min Scan# 1905

Delta R.T. -0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

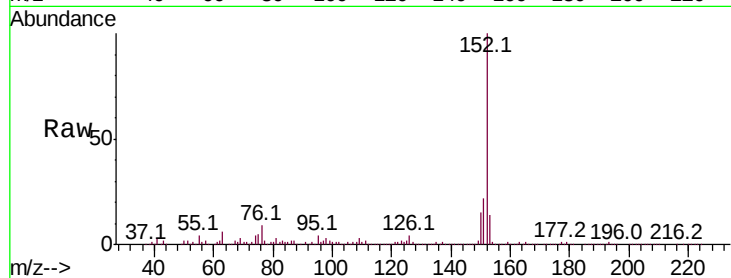
Tot Ion:152 Resp: 742138

Ion Ratio Lower Upper

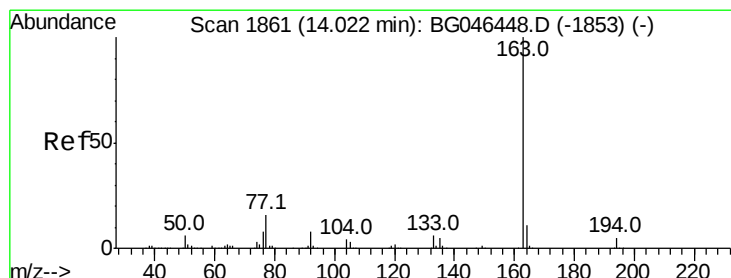
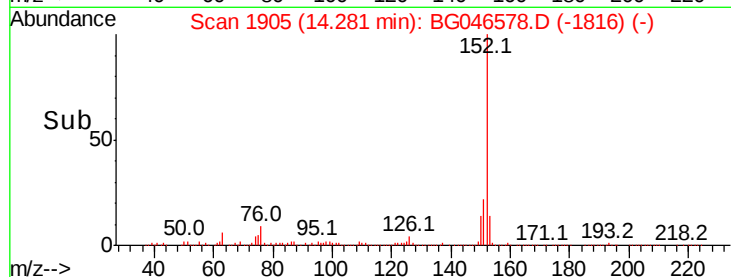
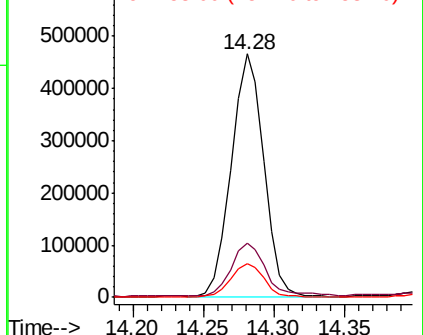
152 100

151 22.2 17.7 26.5

153 14.1 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 43.243 ng

RT: 14.02 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

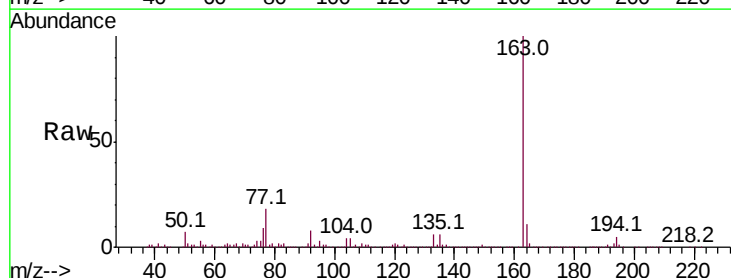
Tgt Ion:163 Resp: 668321

Ion Ratio Lower Upper

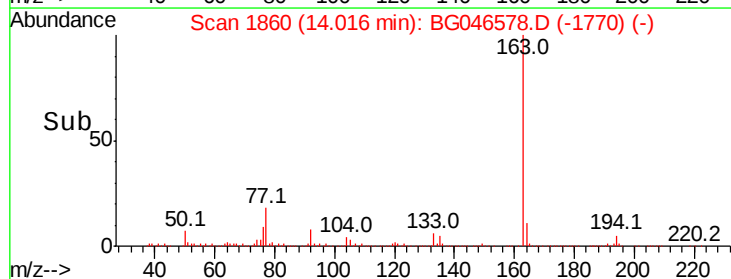
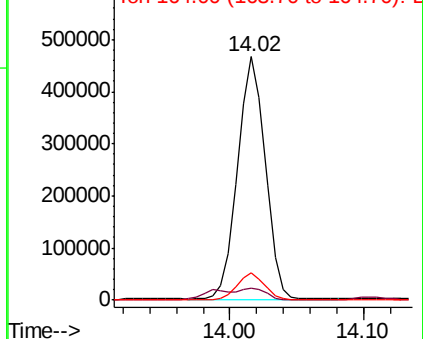
163 100

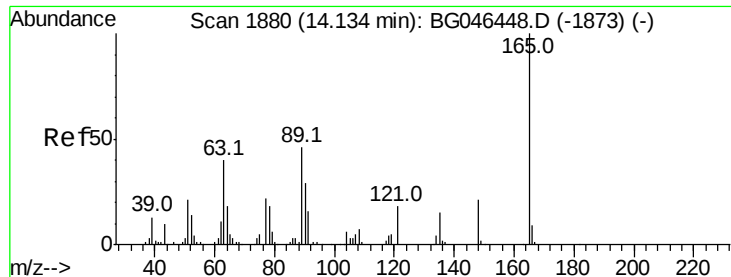
194 5.0 3.7 5.5

164 11.2 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 43.316 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

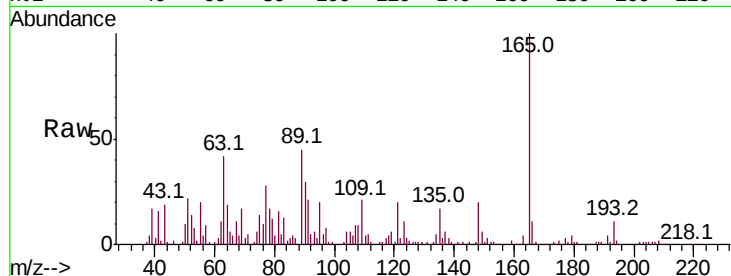
Tot Ion:165 Resp: 147570

Ion Ratio Lower Upper

165 100

63 42.1 34.2 51.4

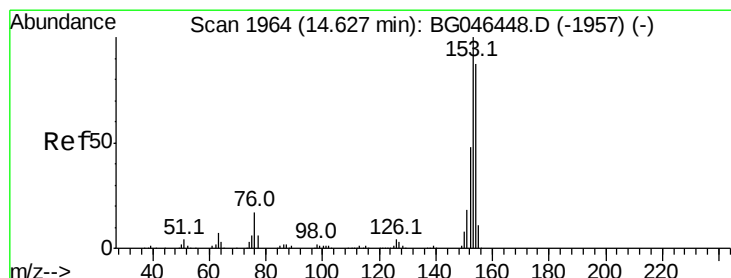
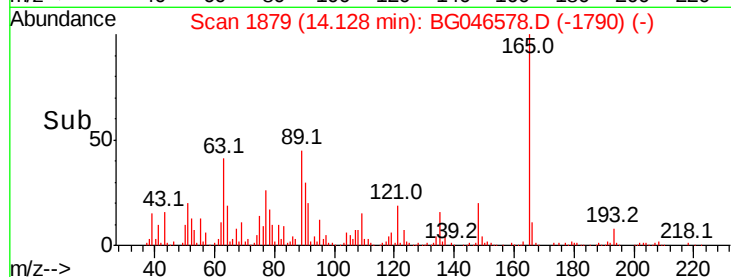
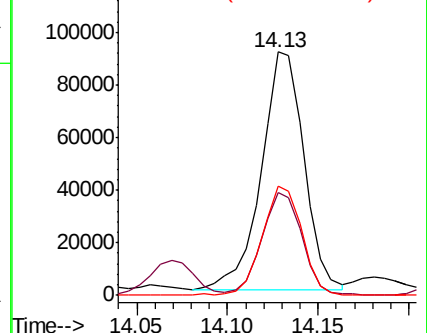
89 44.9 37.0 55.4



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#52

Acenaphthene

Concen: 40.408 ng

RT: 14.63 min Scan# 1964

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

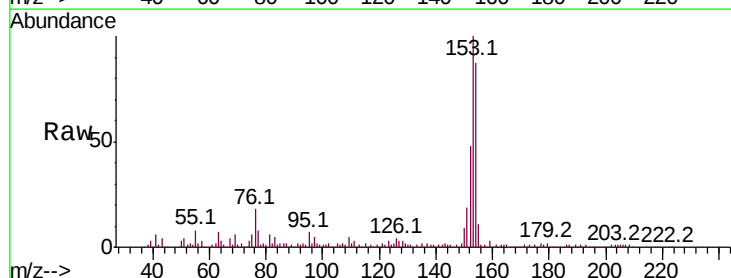
Tgt Ion:154 Resp: 447612

Ion Ratio Lower Upper

154 100

153 114.3 91.9 137.9

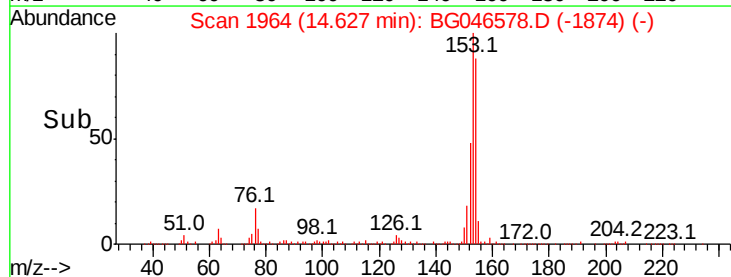
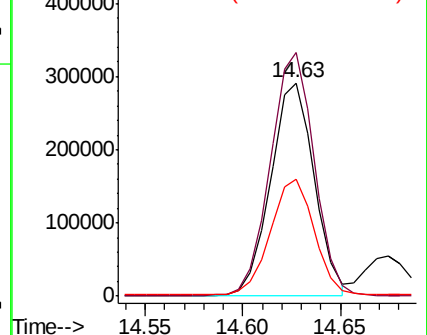
152 55.2 43.8 65.6

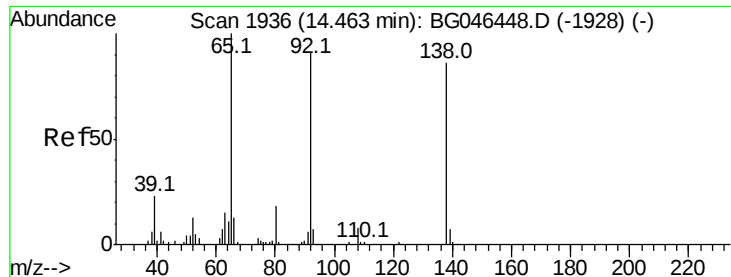


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 30.628 ng

RT: 14.46 min Scan# 1936

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

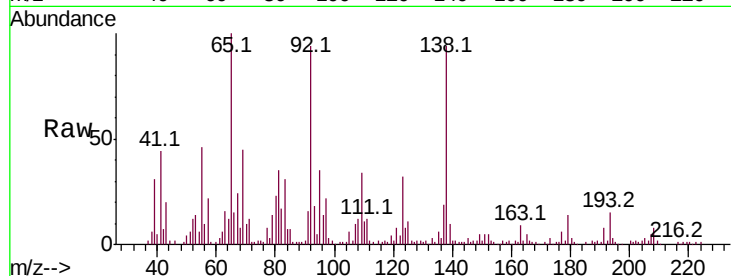
Tot Ion:138 Resp: 113025

Ion Ratio Lower Upper

138 100

108 12.8 7.0 10.6#

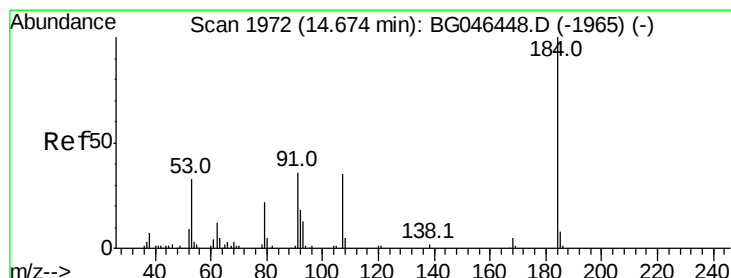
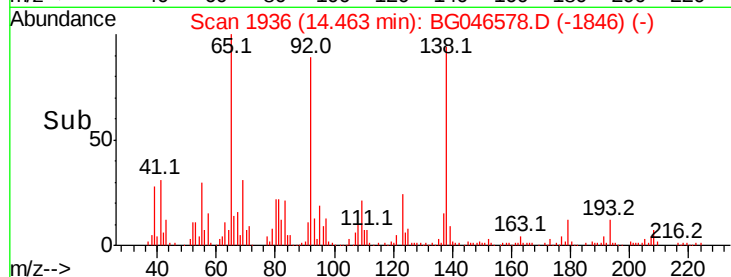
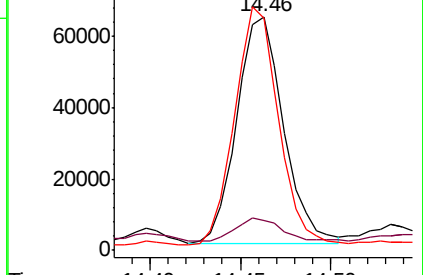
92 99.3 84.6 127.0



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 86.863 ng

RT: 14.67 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

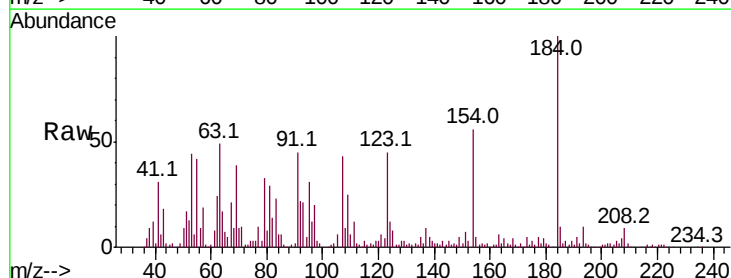
Tgt Ion:184 Resp: 172735

Ion Ratio Lower Upper

184 100

63 49.3 35.6 53.4

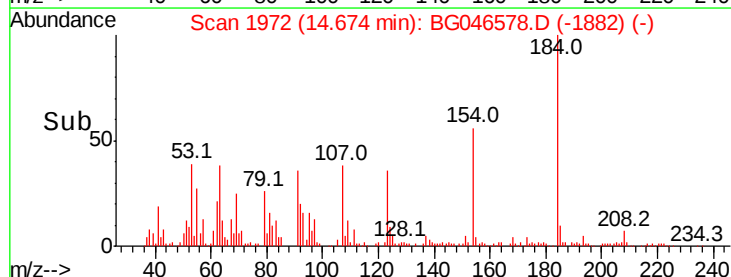
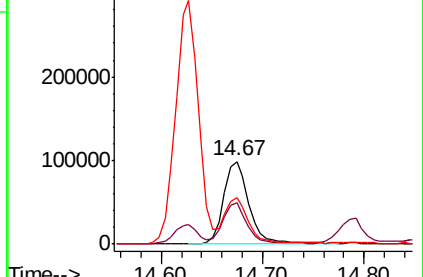
154 56.2 44.3 66.5

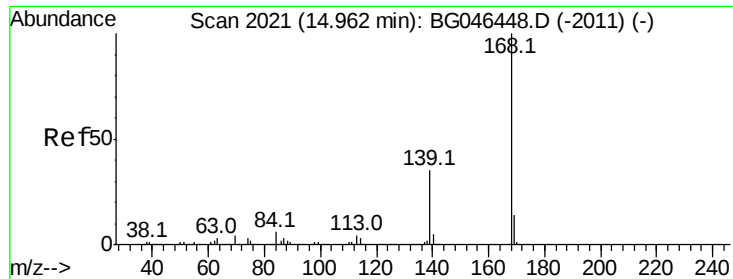


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

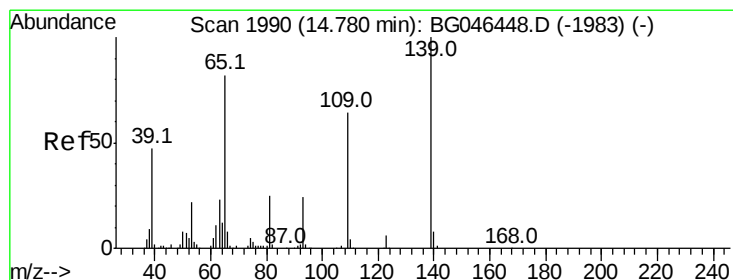
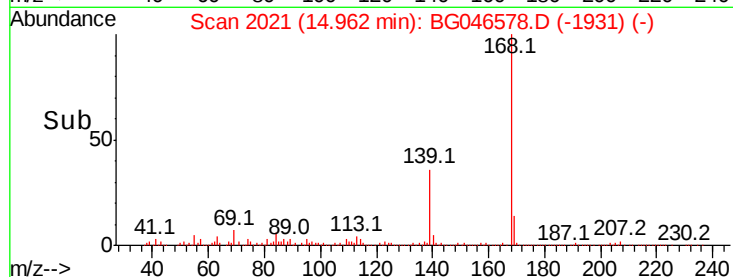
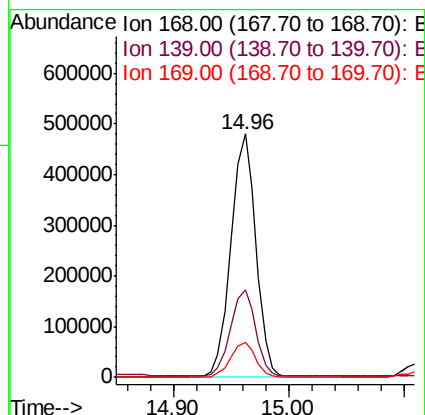
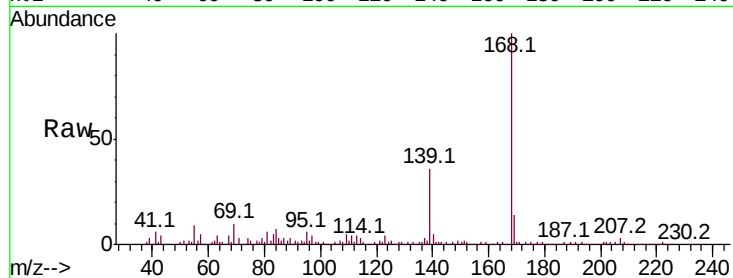




#55
Dibenzofuran
Concen: 40.238 ng
RT: 14.96 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

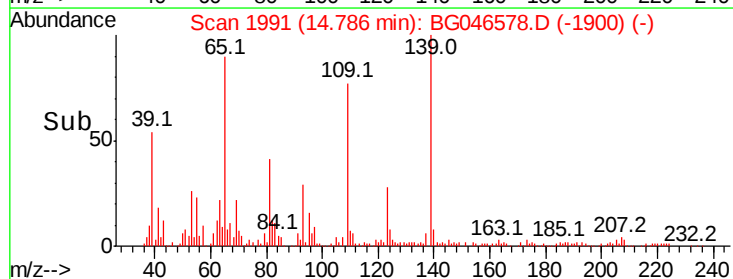
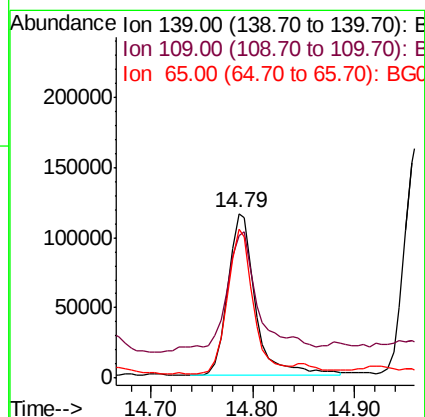
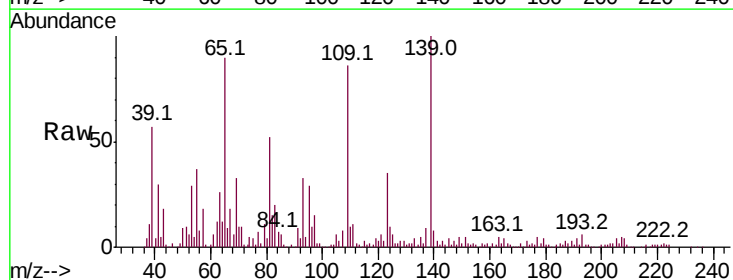
Instrument :
BNA_G
ClientSampleId :
VNJ-218MSD

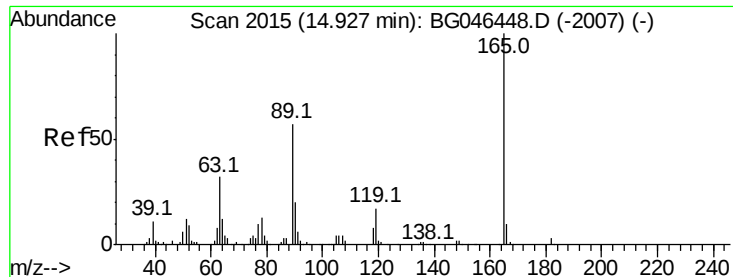
Tot Ion:168 Resp: 715312
Ion Ratio Lower Upper
168 100
139 36.1 28.1 42.1
169 14.1 11.5 17.3



#56
4-Nitrophenol
Concen: 80.870 ng
RT: 14.79 min Scan# 1991
Delta R.T. 0.01 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Tgt Ion:139 Resp: 219635
Ion Ratio Lower Upper
139 100
109 86.4 44.3 84.3#
65 90.2 61.5 101.5

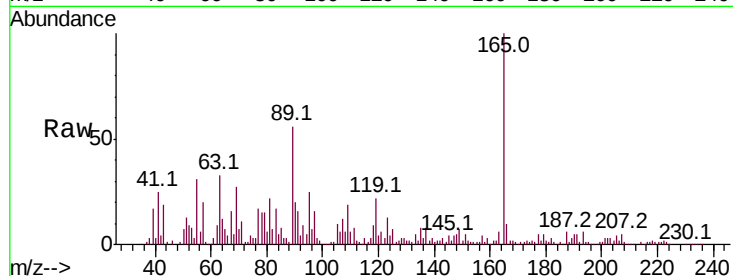




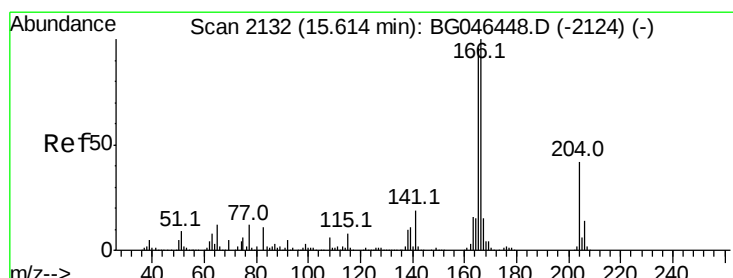
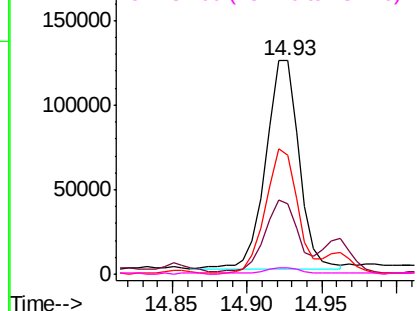
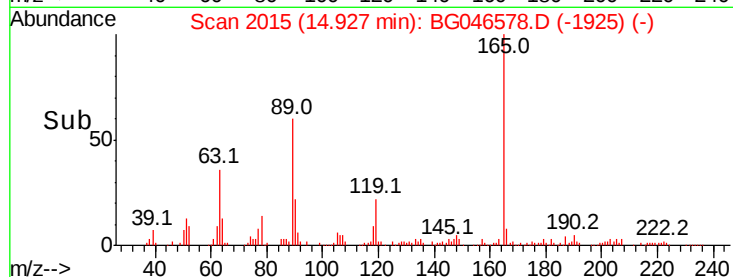
#57
2,4-Dinitrotoluene
Concen: 38.898 ng
RT: 14.93 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Instrument :
BNA_G
ClientSampleId :
VNJ-218MSD

Tot Ion:165	Resp:	188957
Ion Ratio	Lower	Upper
165	100	
63	33.2	25.4 38.0
89	55.8	45.9 68.9
182	3.2	2.3 3.5

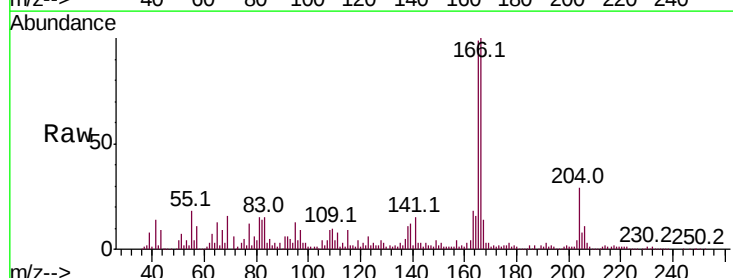


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

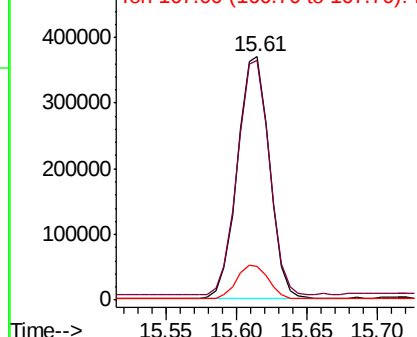
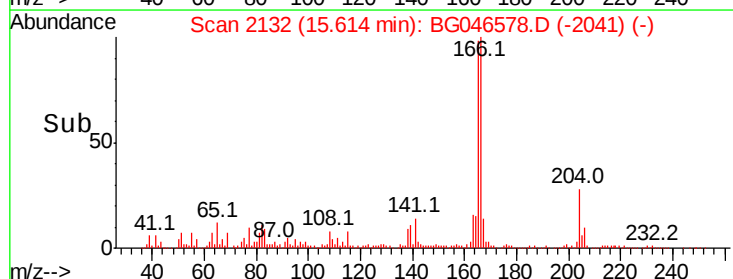


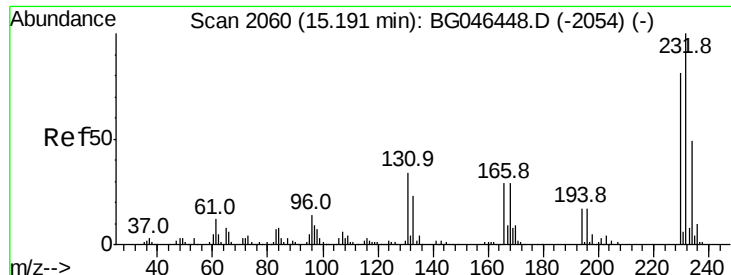
#58
Fluorene
Concen: 38.986 ng
RT: 15.61 min Scan# 2132
Delta R.T. 0.01 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Tgt Ion:166	Resp:	581686
Ion Ratio	Lower	Upper
166	100	
165	98.7	77.0 115.4
167	14.0	11.8 17.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

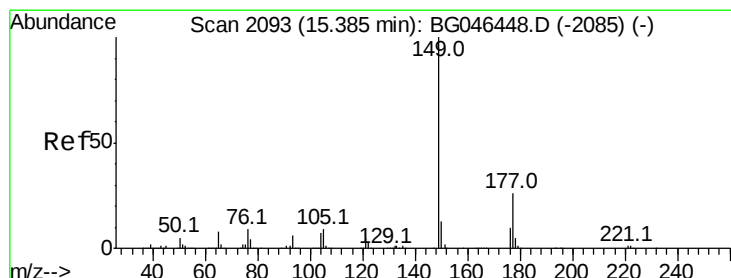
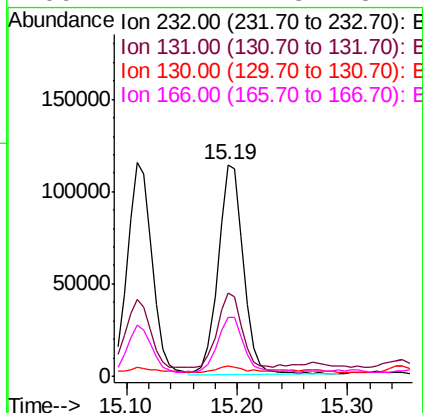
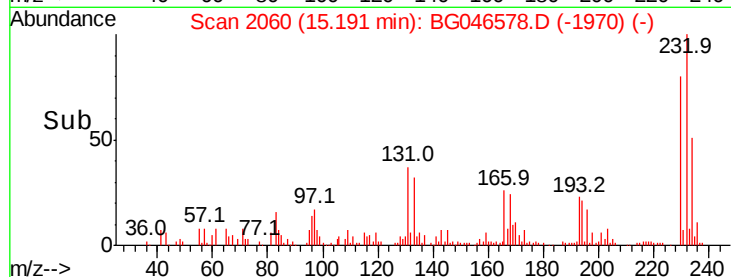
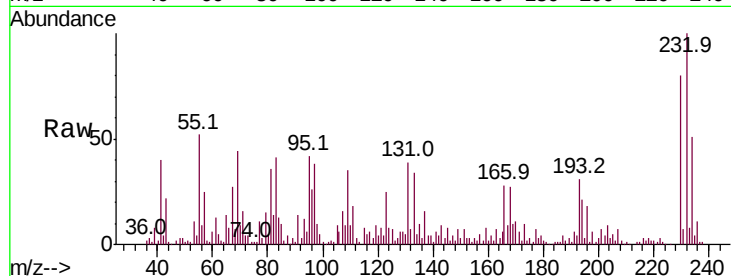




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 39.700 ng
 RT: 15.19 min Scan# 2060
 Delta R.T. 0.00 min
 Lab File: BG046578.D
 Acq: 9 Sep 2020 18:37

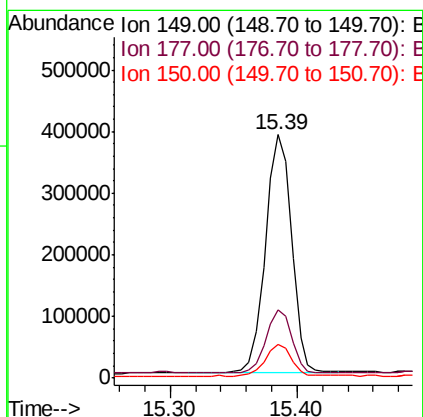
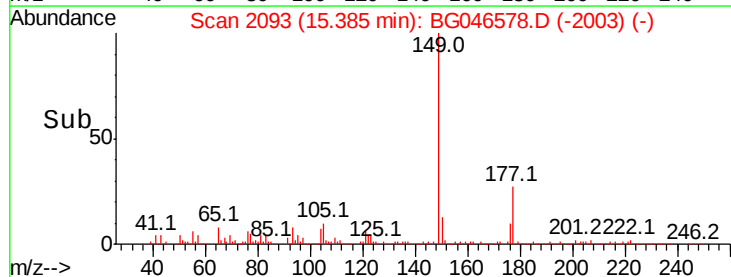
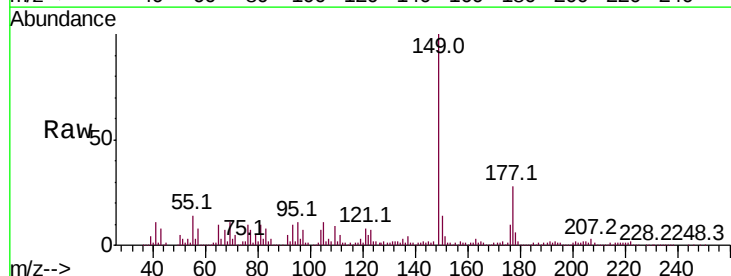
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-218MSD

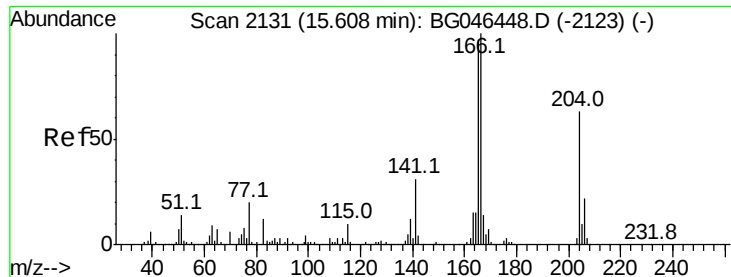
Tot Ion:	232	Resp:	180063
Ion	Ratio	Lower	Upper
232	100		
131	34.1	26.8	40.2
130	3.9	1.4	2.2#
166	27.7	22.8	34.2



#60
 Diethylphthalate
 Concen: 37.154 ng
 RT: 15.39 min Scan# 2093
 Delta R.T. 0.00 min
 Lab File: BG046578.D
 Acq: 9 Sep 2020 18:37

Tgt Ion:	149	Resp:	559851
Ion	Ratio	Lower	Upper
149	100		
177	27.8	20.6	30.8
150	13.7	10.3	15.5

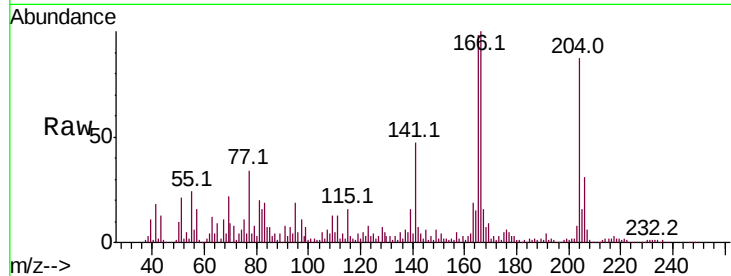




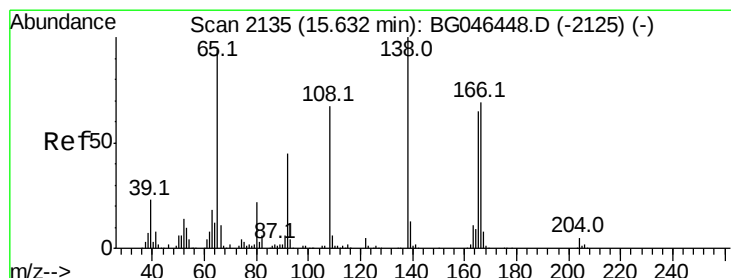
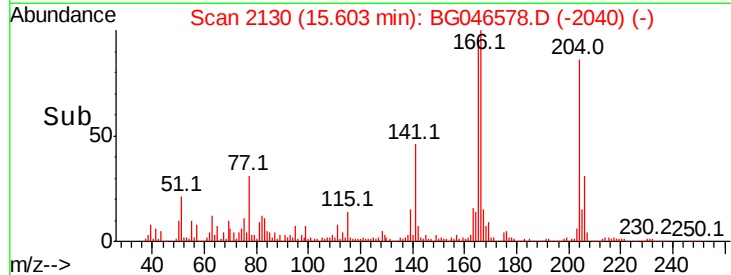
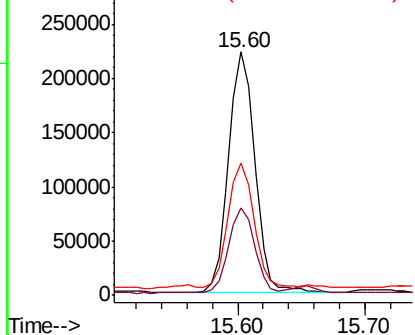
#61
 4-Chlorophenyl-phenylether
 Concen: 39.078 ng
 RT: 15.60 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: BG046578.D
 Acq: 9 Sep 2020 18:37

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-218MSD

Tot Ion:204 Resp: 321112
 Ion Ratio Lower Upper
 204 100
 206 35.9 27.7 41.5
 141 54.4 38.7 58.1

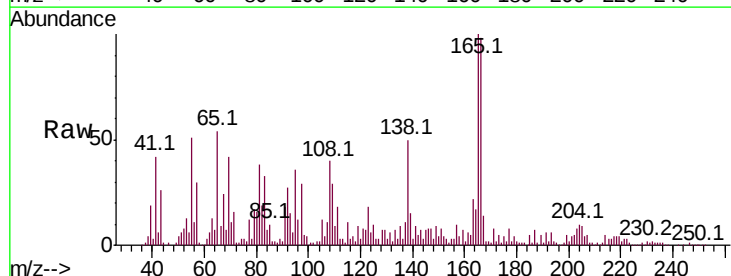


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

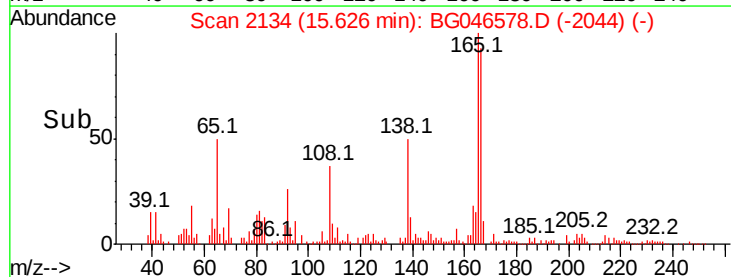
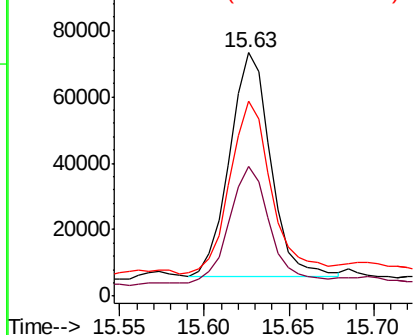


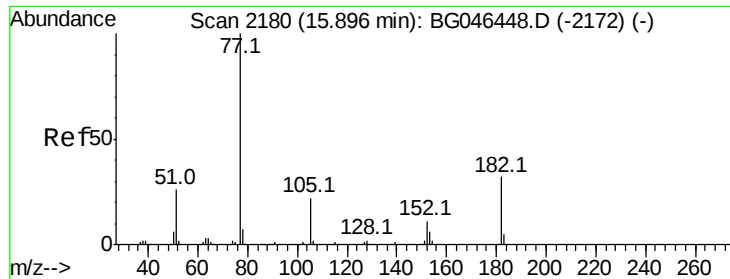
#62
 4-Nitroaniline
 Concen: 29.451 ng
 RT: 15.63 min Scan# 2134
 Delta R.T. 0.00 min
 Lab File: BG046578.D
 Acq: 9 Sep 2020 18:37

Tgt Ion:138 Resp: 114676
 Ion Ratio Lower Upper
 138 100
 92 53.0 25.3 65.3
 108 79.9 46.7 86.7



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BG
 Ion 108.00 (107.70 to 108.70): E

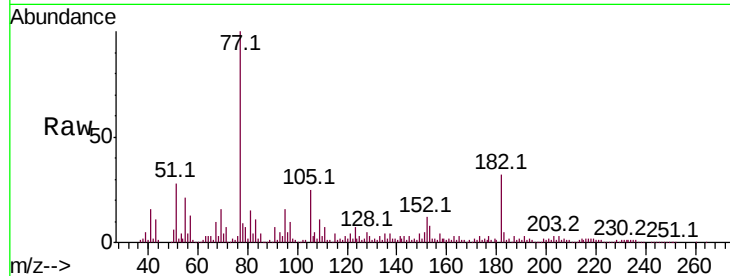




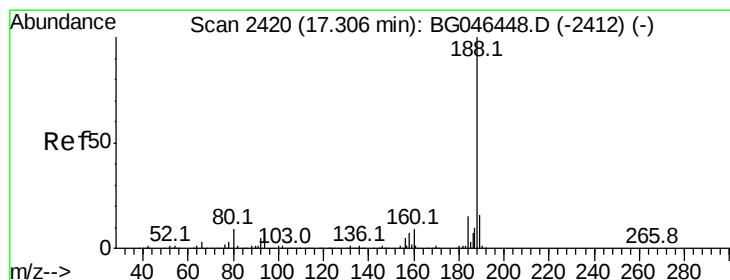
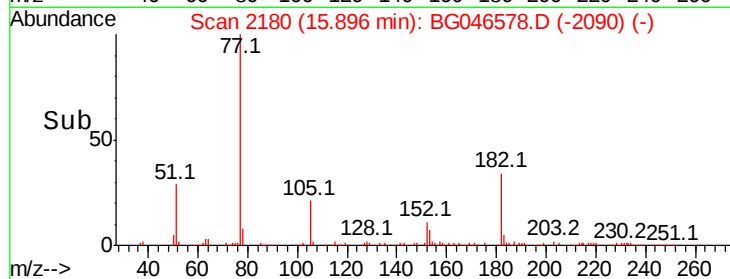
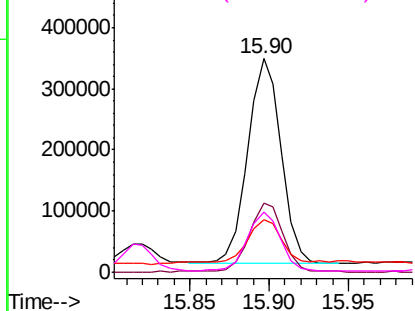
#63
Azobenzene
Concen: 40.016 ng
RT: 15.90 min Scan# 2180
Delta R.T. 0.00 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Instrument :
BNA_G
ClientSampleId :
VNJ-218MSD

Tot Ion:	77	Resp:	490485
Ion	Ratio	Lower	Upper
77	100		
182	32.3	12.3	52.3
105	24.7	2.3	42.3
51	28.4	6.5	46.5

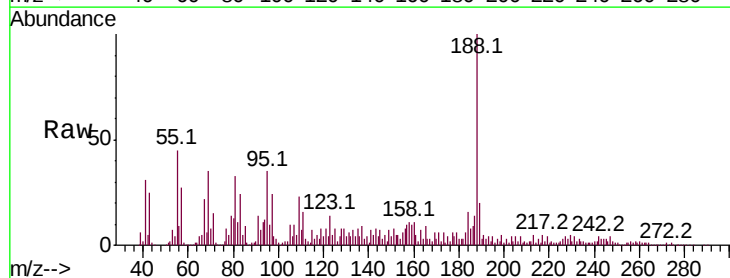


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

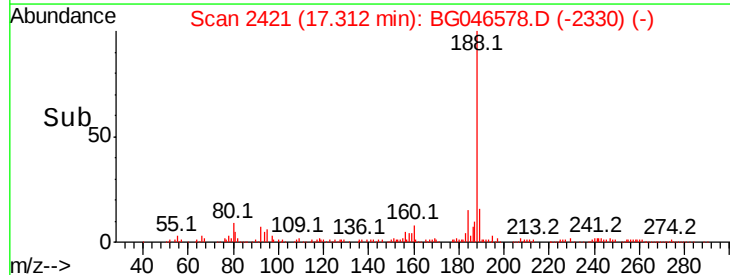
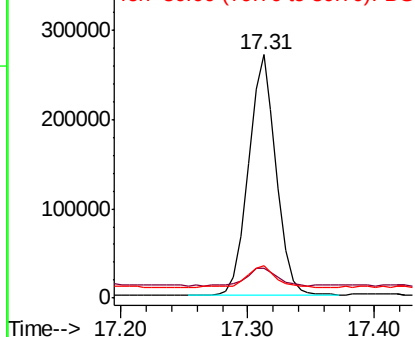


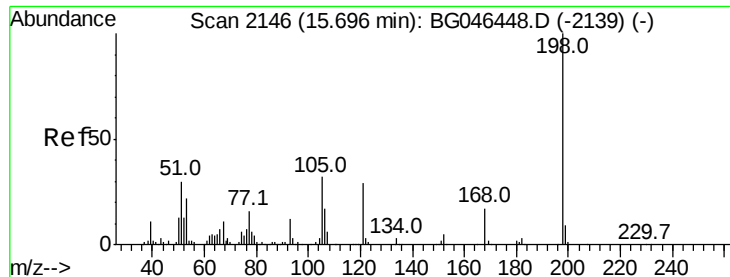
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.31 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Tgt Ion:	188	Resp:	403522
Ion	Ratio	Lower	Upper
188	100		
94	12.4	6.3	9.5#
80	13.2	6.9	10.3#



Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 53.716 ng

RT: 15.70 min Scan# 2146

Delta R.T. 0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

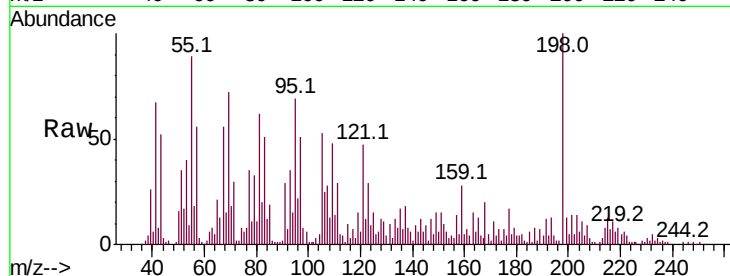
Tot Ion:198 Resp: 122685

Ion Ratio Lower Upper

198 100

51 35.2 10.4 50.4

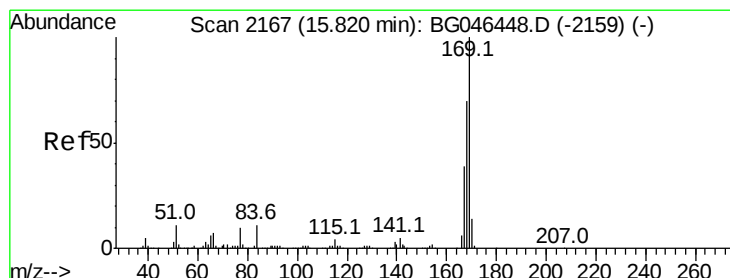
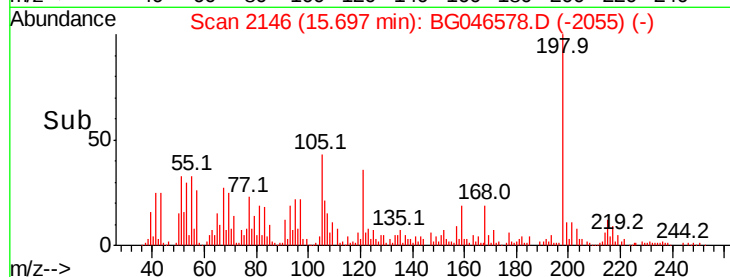
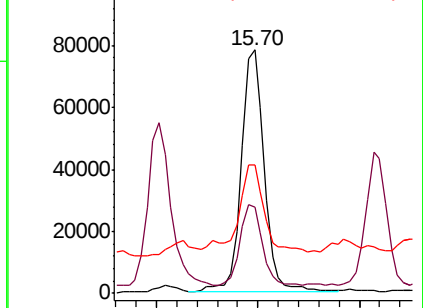
105 52.6 12.4 52.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 47.160 ng

RT: 15.82 min Scan# 2167

Delta R.T. 0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

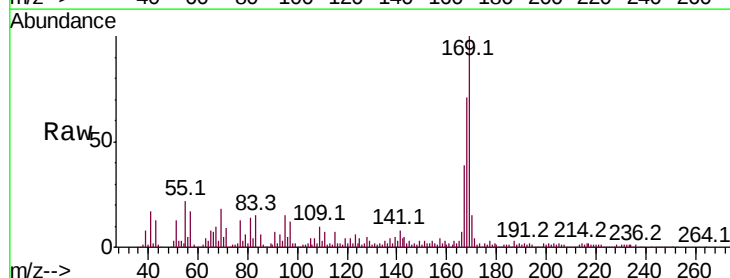
Tgt Ion:169 Resp: 513398

Ion Ratio Lower Upper

169 100

168 71.3 55.8 83.8

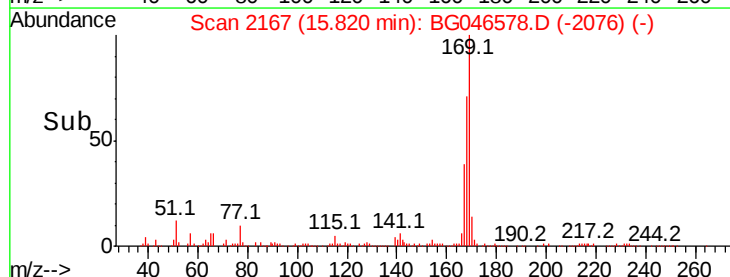
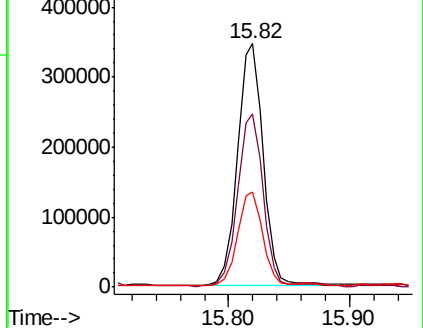
167 39.0 31.0 46.6

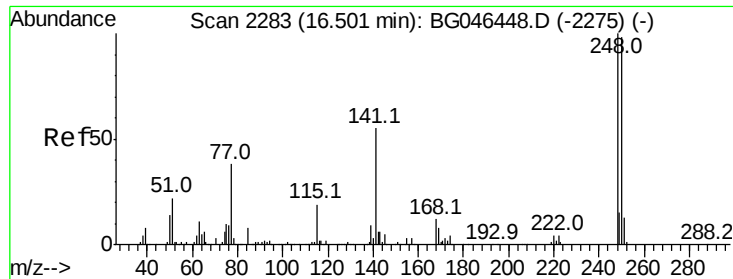


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

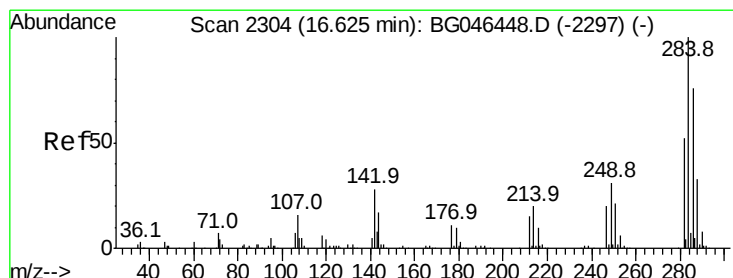
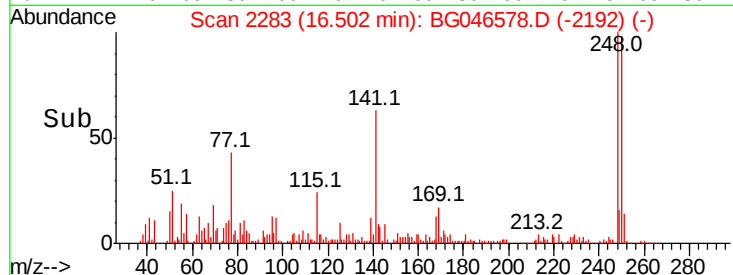
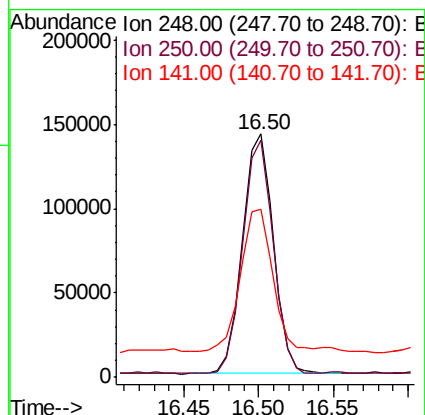
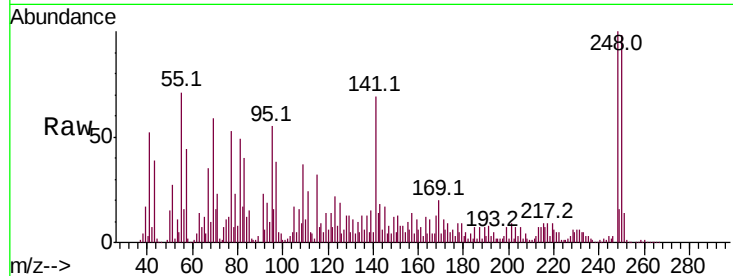




#67
4-Bromophenyl-phenylether
Concen: 42.895 ng
RT: 16.50 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

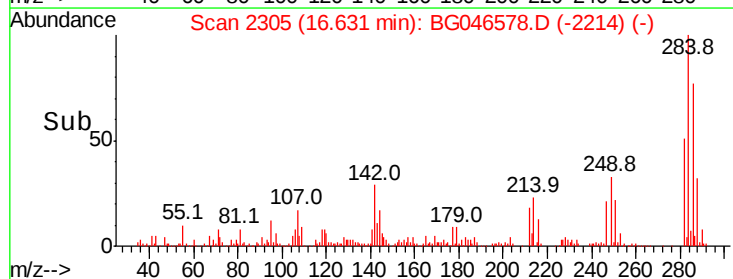
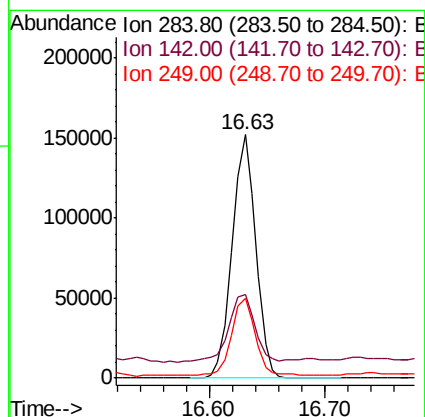
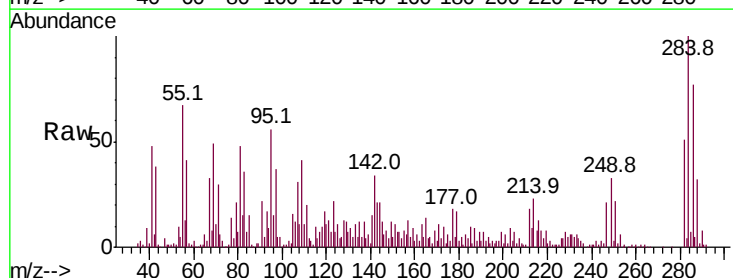
Instrument :
BNA_G
ClientSampleId :
VNJ-218MSD

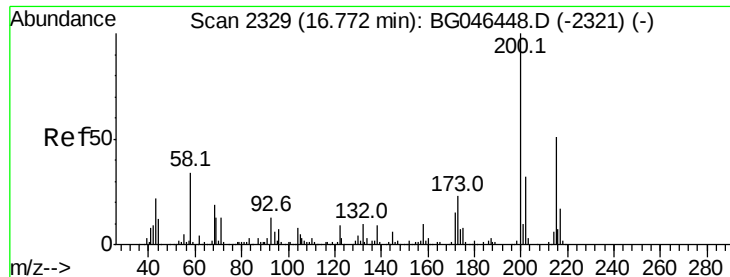
Tot Ion:248 Resp: 201943
Ion Ratio Lower Upper
248 100
250 97.6 78.6 118.0
141 68.9 43.9 65.9#



#68
Hexachlorobenzene
Concen: 41.271 ng
RT: 16.63 min Scan# 2305
Delta R.T. 0.01 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Tgt Ion:284 Resp: 215179
Ion Ratio Lower Upper
284 100
142 34.3 22.3 33.5#
249 33.0 24.8 37.2





#69

Atrazine

Concen: 34.904 ng

RT: 16.78 min Scan# 2330

Delta R.T. 0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

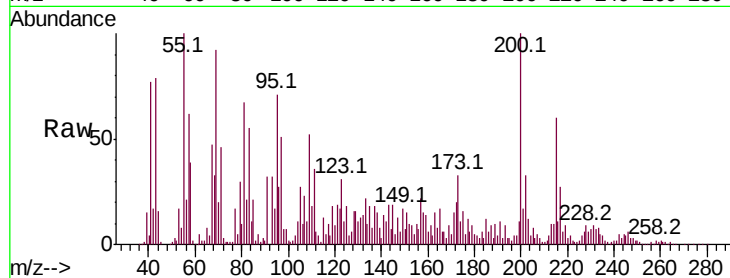
Tot Ion:200 Resp: 155008

Ion Ratio Lower Upper

200 100

173 33.0 3.3 43.3

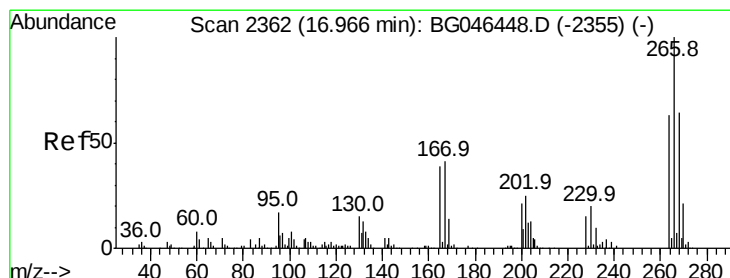
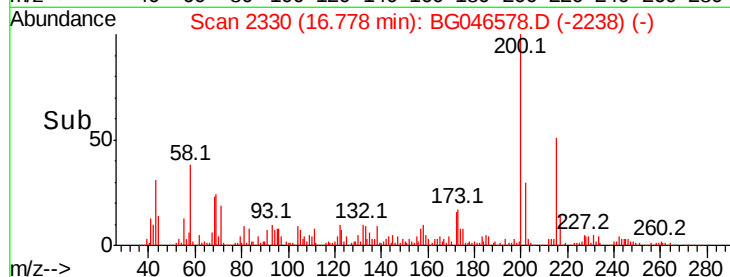
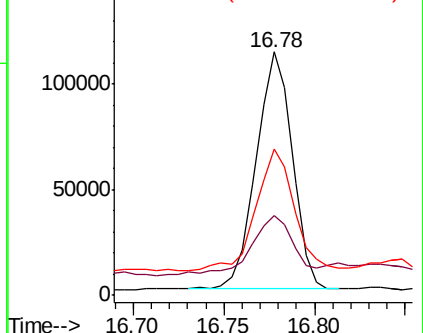
215 59.9 30.9 70.9



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 92.126 ng

RT: 16.97 min Scan# 2363

Delta R.T. 0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

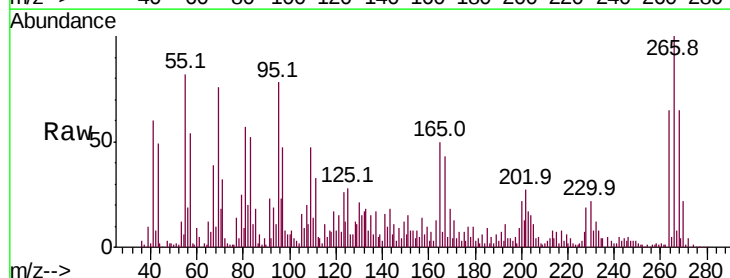
Tgt Ion:266 Resp: 250959

Ion Ratio Lower Upper

266 100

268 65.0 51.1 76.7

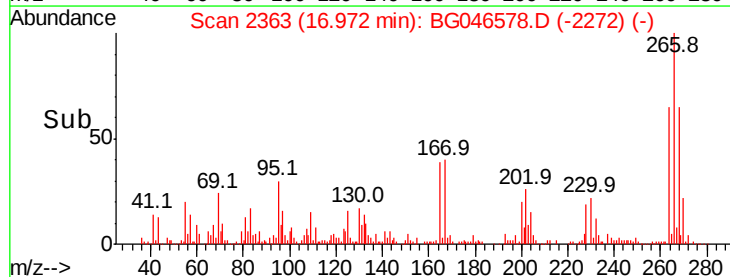
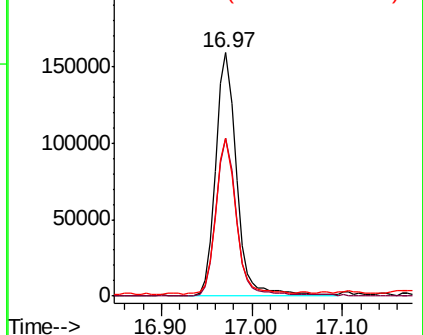
264 64.8 50.2 75.2

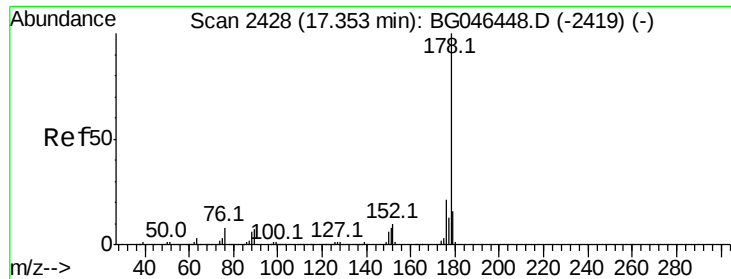


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

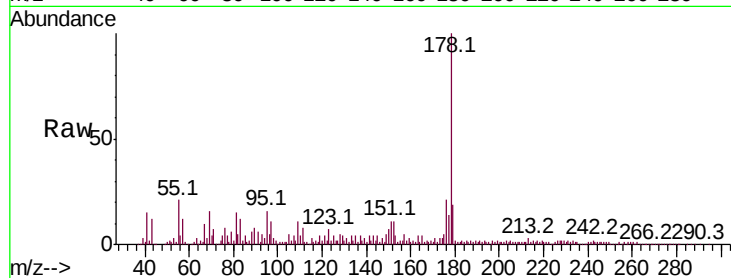




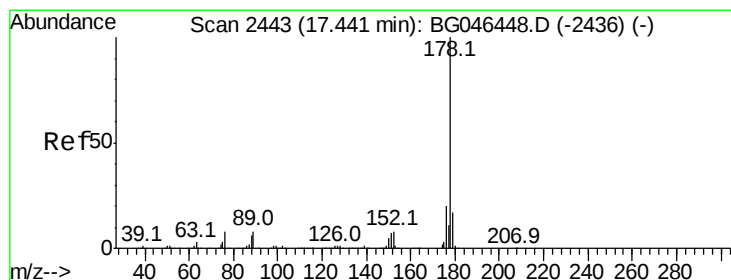
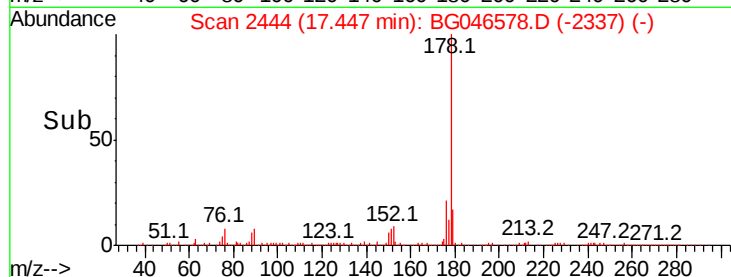
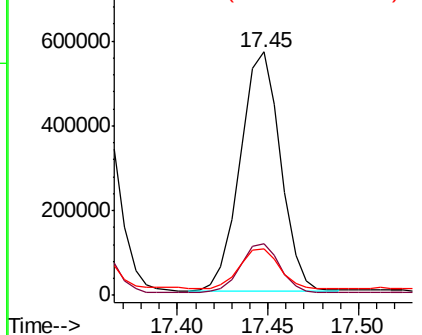
#71
Phenanthrene
Concen: 42.465 ng
RT: 17.45 min Scan# 2444
Delta R.T. 0.10 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Instrument :
BNA_G
ClientSampleId :
VNJ-218MSD

Tot Ion:178 Resp: 868557
Ion Ratio Lower Upper
178 100
176 21.2 16.8 25.2
179 19.2 13.2 19.8

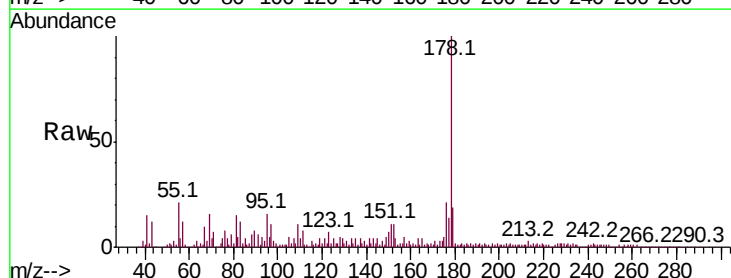


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

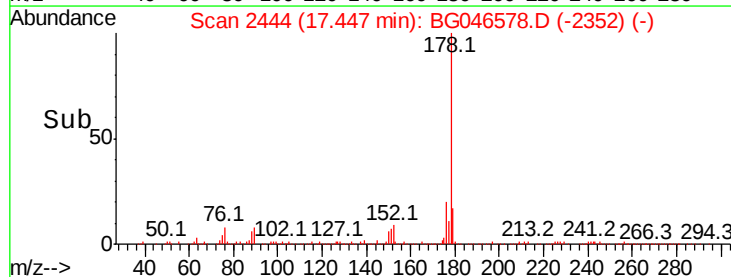
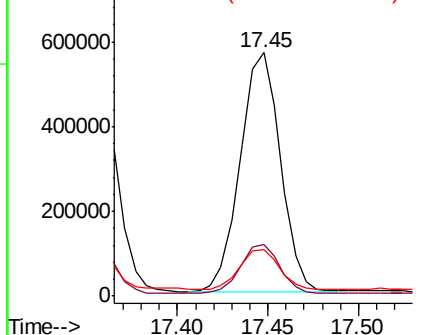


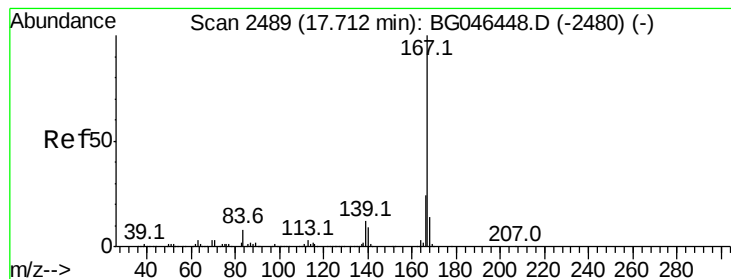
#72
Anthracene
Concen: 43.041 ng
RT: 17.45 min Scan# 2444
Delta R.T. 0.01 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Tgt Ion:178 Resp: 868557
Ion Ratio Lower Upper
178 100
176 21.2 16.1 24.1
179 19.2 13.3 19.9



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 40.064 ng

RT: 17.71 min Scan# 2489

Delta R.T. 0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

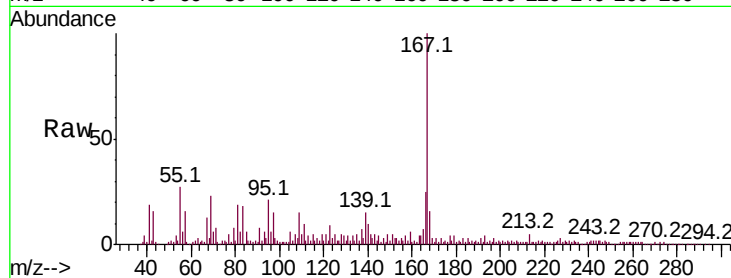
Tot Ion:167 Resp: 763341

Ion Ratio Lower Upper

167 100

166 25.4 19.3 28.9

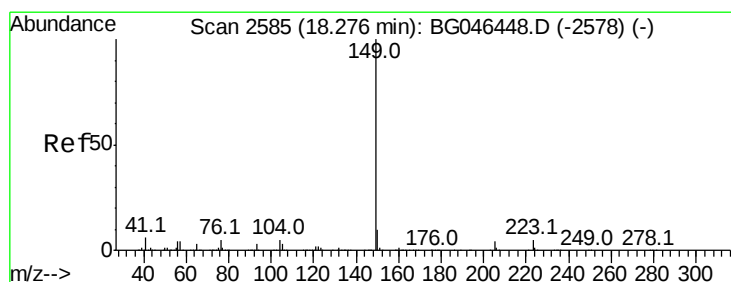
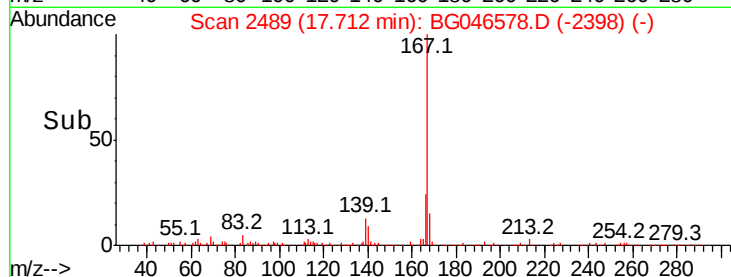
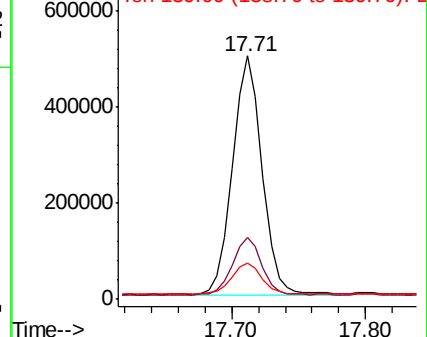
139 14.8 9.7 14.5#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 40.512 ng

RT: 18.28 min Scan# 2585

Delta R.T. 0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

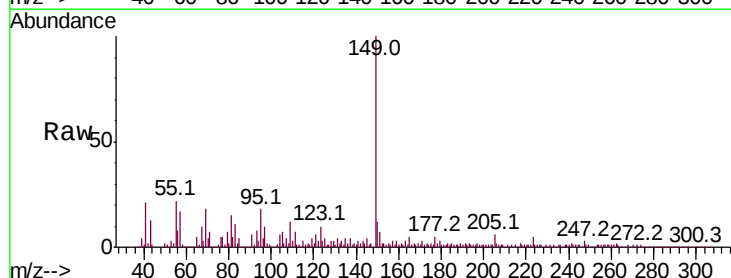
Tgt Ion:149 Resp: 887569

Ion Ratio Lower Upper

149 100

150 11.8 8.1 12.1

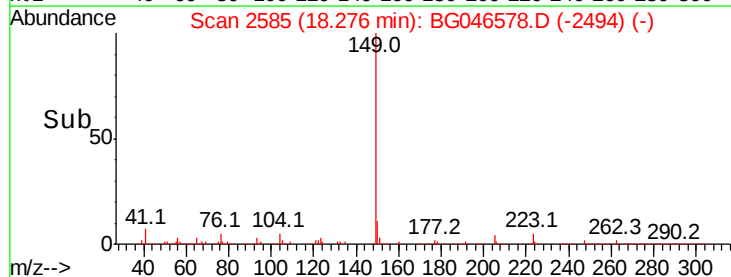
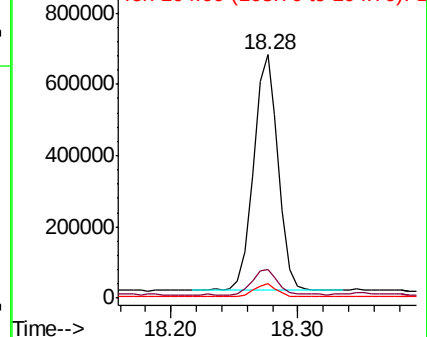
104 5.9 4.0 6.0

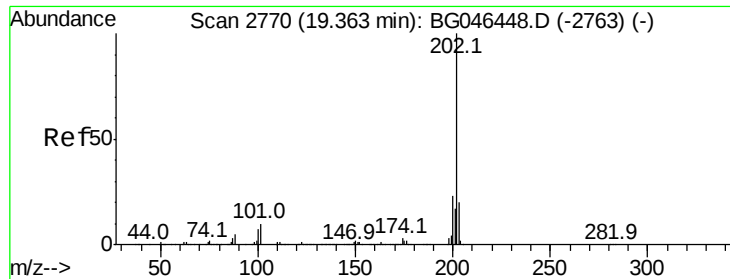


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 39.361 ng

RT: 19.36 min Scan# 2770

Delta R.T. 0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

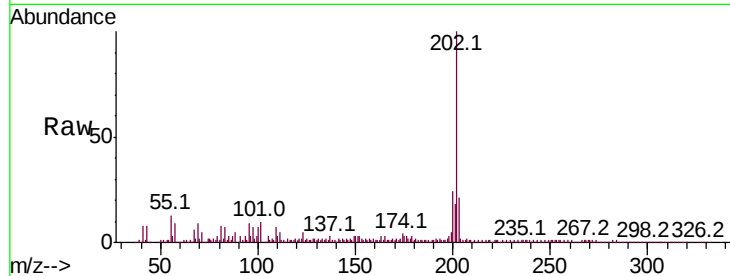
Tot Ion:202 Resp: 1036022

Ion Ratio Lower Upper

202 100

101 9.6 0.0 29.9

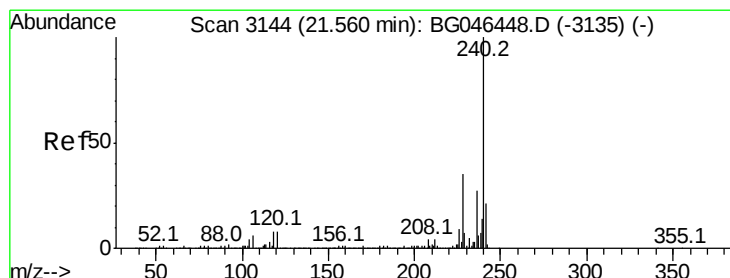
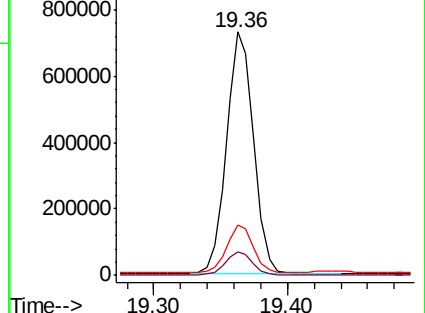
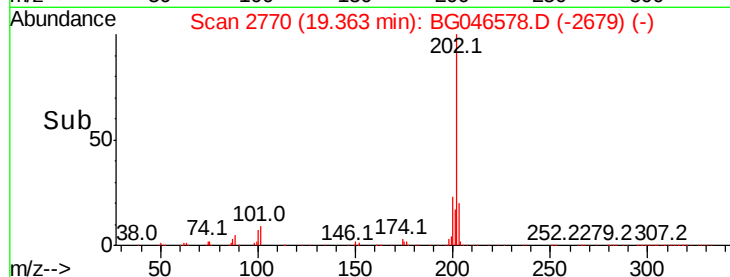
203 20.8 0.0 40.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.55 min Scan# 3143

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

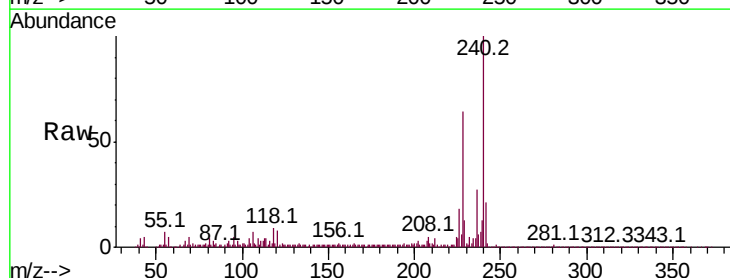
Tgt Ion:240 Resp: 447803

Ion Ratio Lower Upper

240 100

120 8.4 6.6 10.0

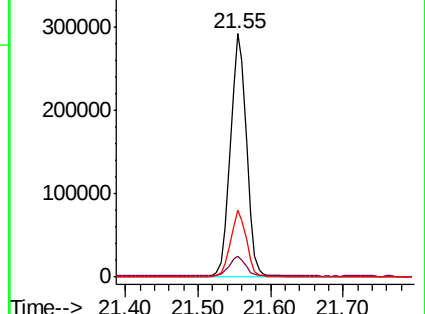
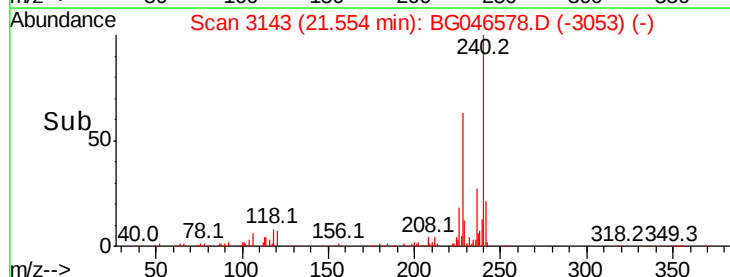
236 27.3 21.4 32.2

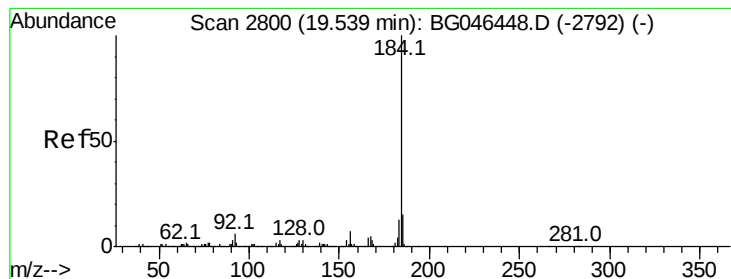


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 41.908 ng

RT: 19.54 min Scan# 2800

Delta R.T. 0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

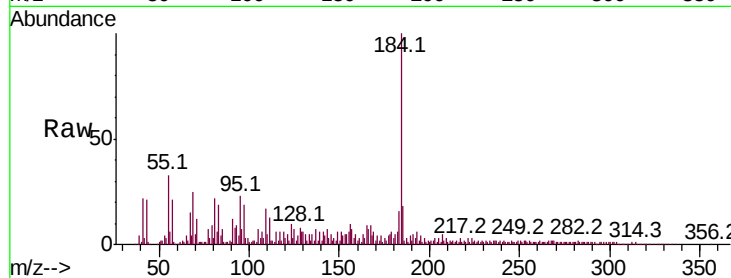
Tot Ion:184 Resp: 436078

Ion Ratio Lower Upper

184 100

185 18.3 11.8 17.8#

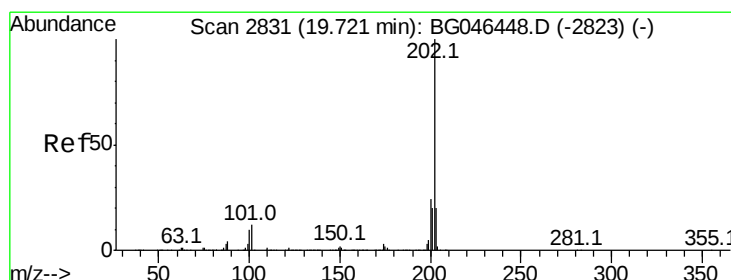
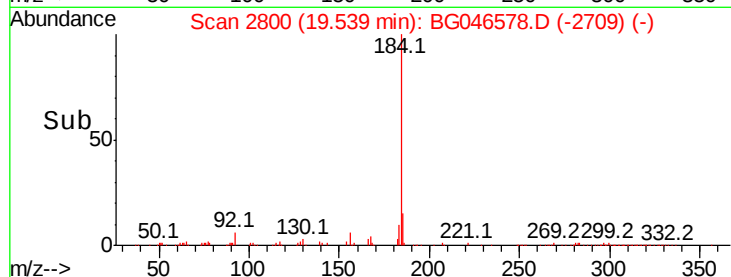
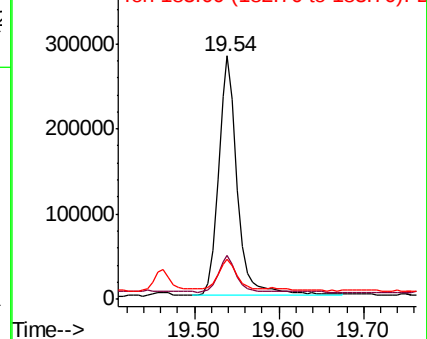
183 16.5 10.7 16.1#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 37.566 ng

RT: 19.73 min Scan# 2832

Delta R.T. 0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

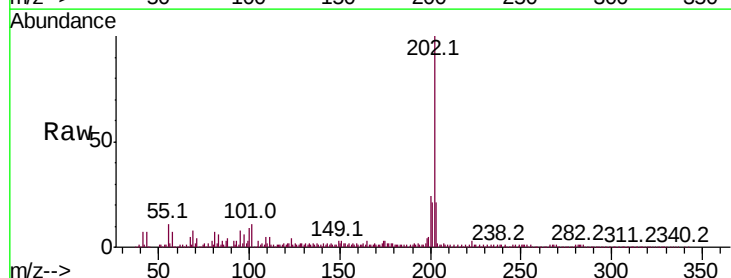
Tgt Ion:202 Resp: 1071231

Ion Ratio Lower Upper

202 100

200 24.2 18.9 28.3

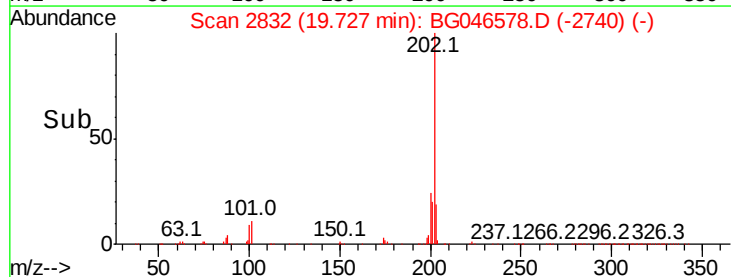
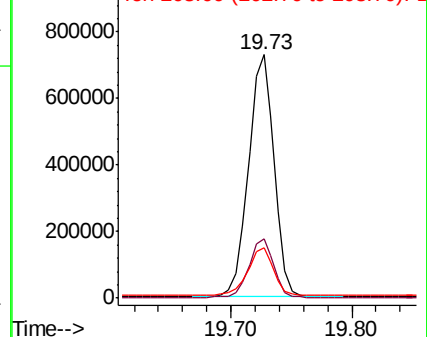
203 20.6 16.1 24.1

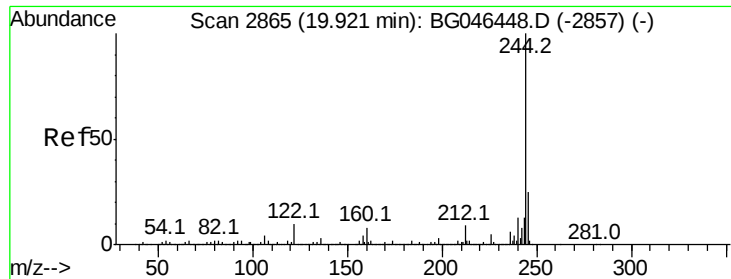


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 53.190 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

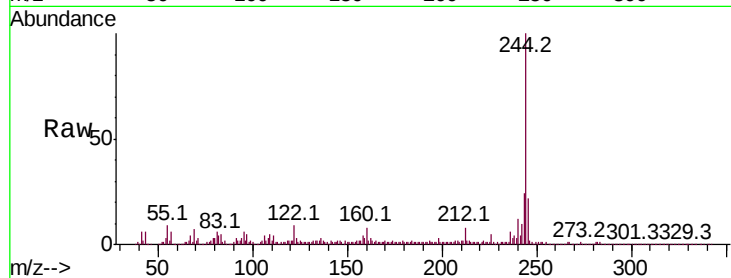
Tot Ion:244 Resp: 1119213

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

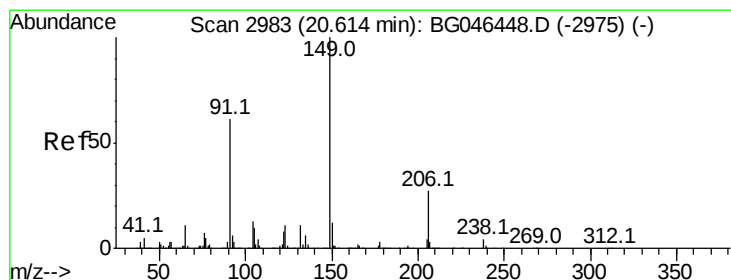
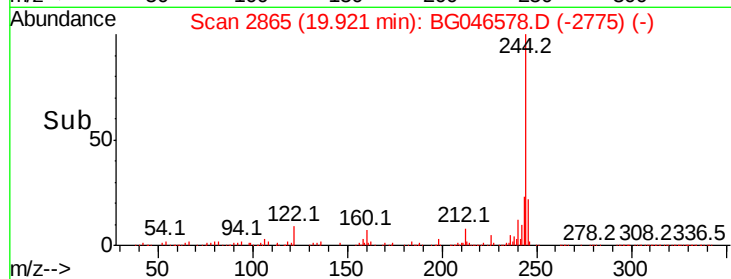
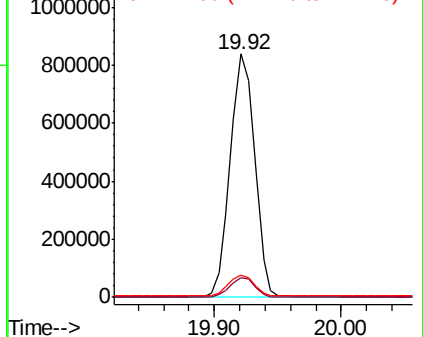
122 9.3 8.2 12.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 38.337 ng

RT: 20.61 min Scan# 2982

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

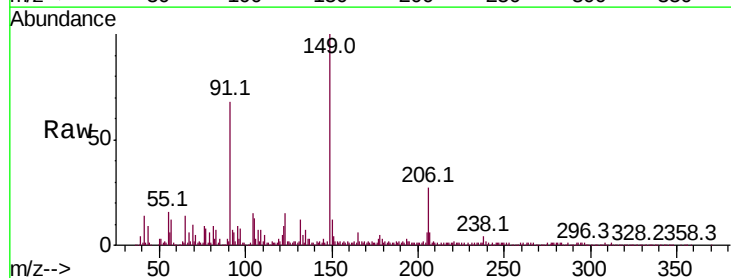
Tgt Ion:149 Resp: 426412

Ion Ratio Lower Upper

149 100

91 68.5 49.1 73.7

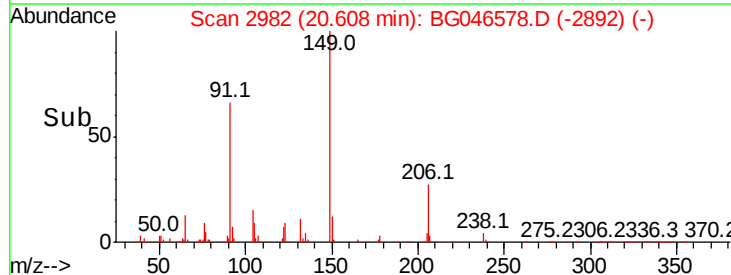
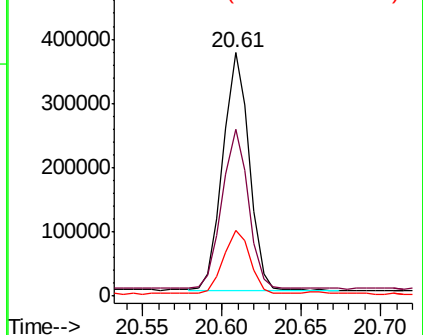
206 26.8 21.9 32.9

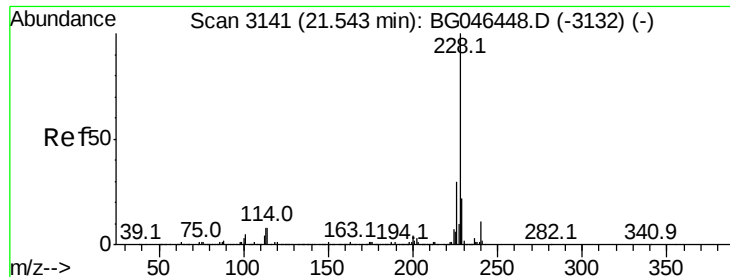


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 40.574 ng

RT: 21.54 min Scan# 3140

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

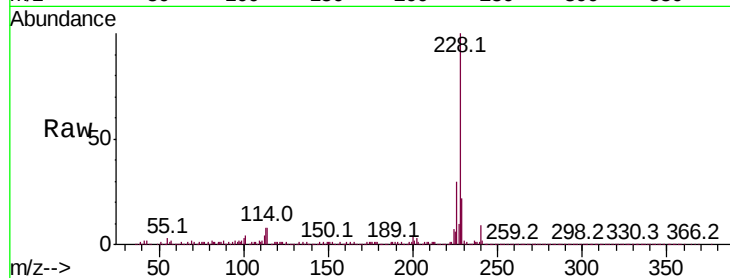
Tot Ion:228 Resp: 1132488

Ion Ratio Lower Upper

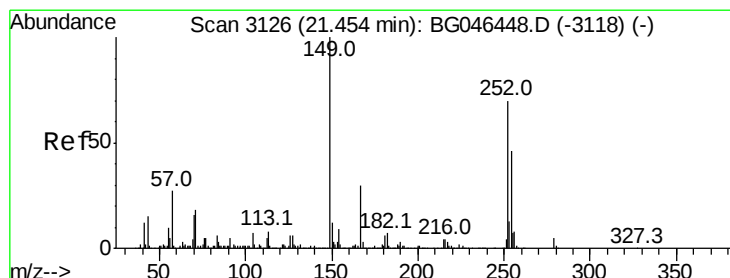
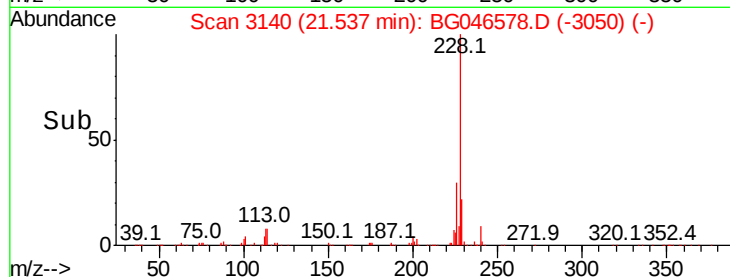
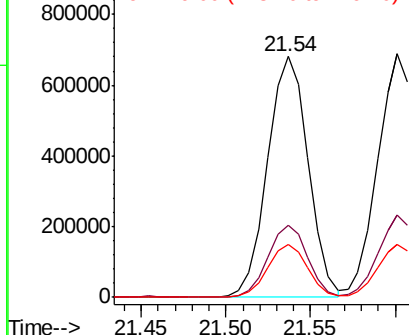
228 100

226 30.0 24.2 36.4

229 22.1 17.4 26.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 9.592 ng

RT: 21.45 min Scan# 3126

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

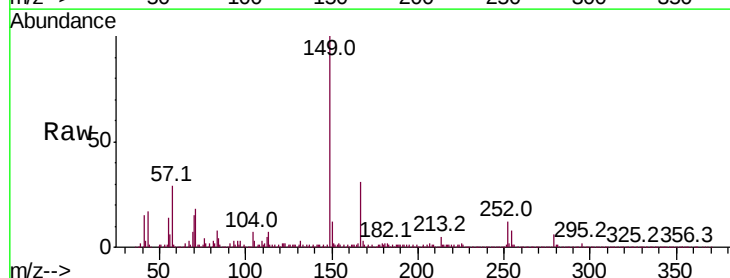
Tgt Ion:252 Resp: 99360

Ion Ratio Lower Upper

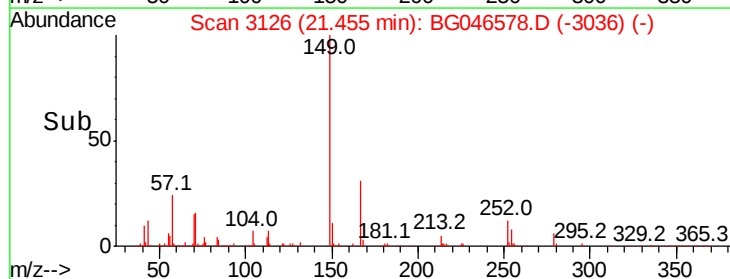
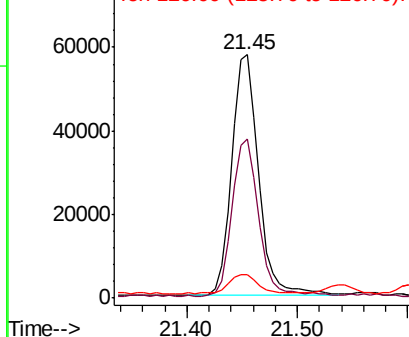
252 100

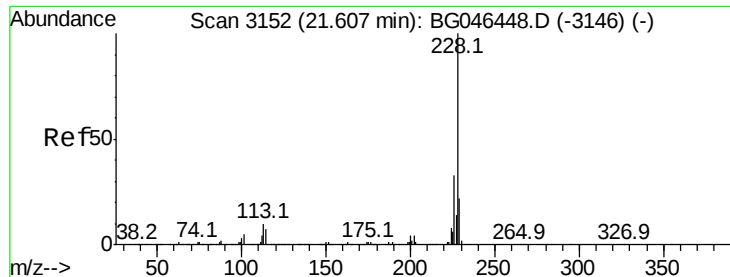
254 65.5 51.9 77.9

126 9.6 7.4 11.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 41.600 ng

RT: 21.60 min Scan# 3151

Delta R.T. 0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

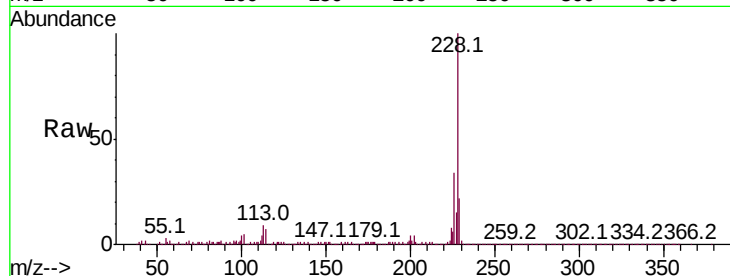
Tot Ion:228 Resp: 1116908

Ion Ratio Lower Upper

228 100

226 33.9 26.2 39.4

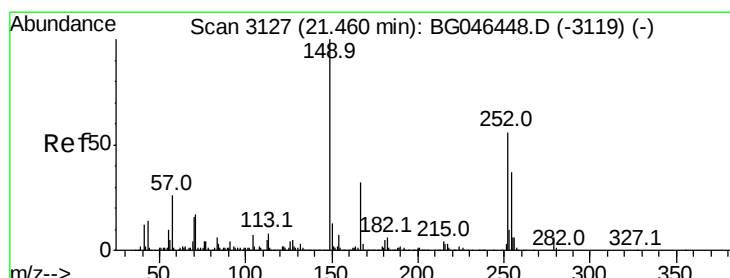
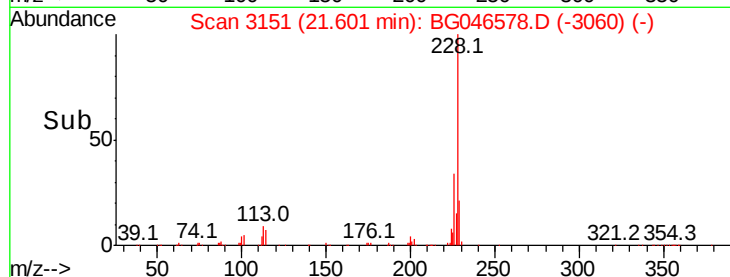
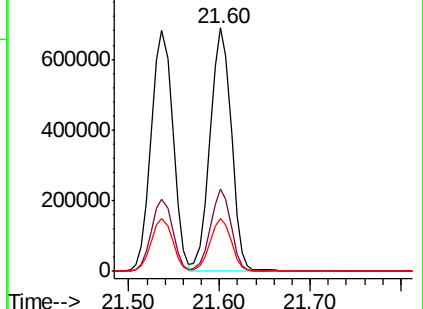
229 21.8 17.9 26.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.066 ng

RT: 21.45 min Scan# 3126

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

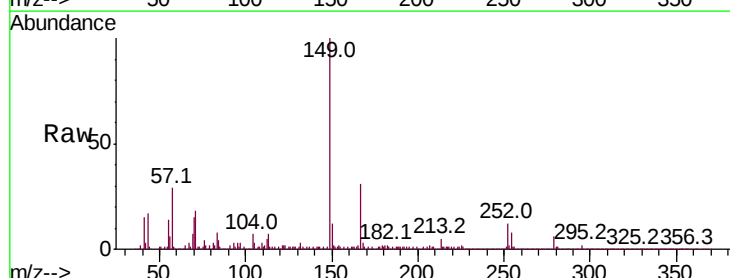
Tgt Ion:149 Resp: 653689

Ion Ratio Lower Upper

149 100

167 31.3 25.4 38.2

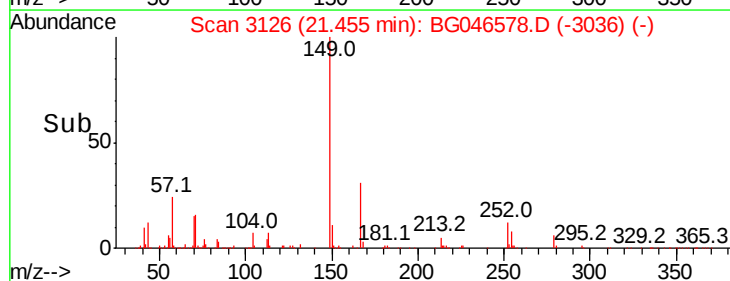
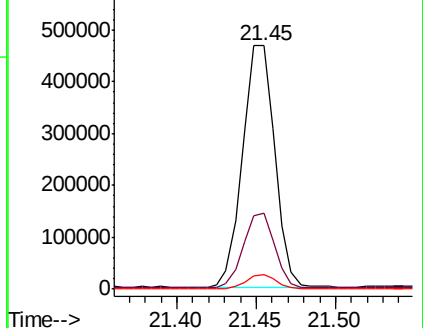
279 6.0 4.5 6.7

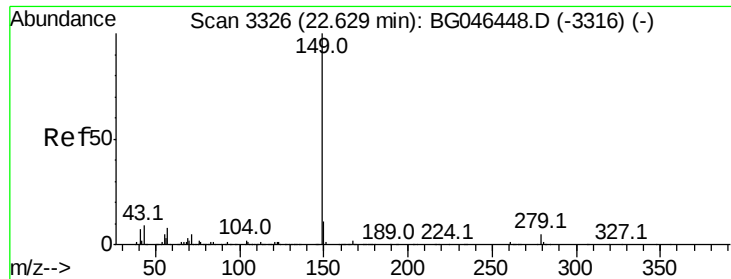


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 43.106 ng

RT: 22.62 min Scan# 3324

Delta R.T. -0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

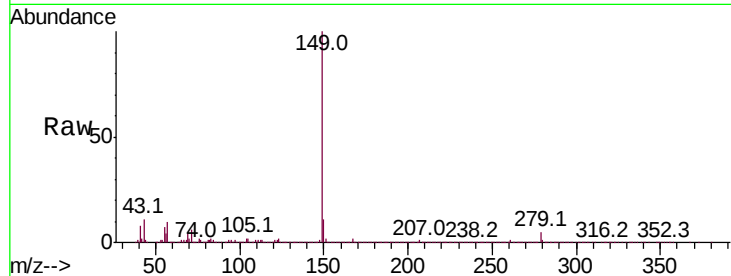
Tot Ion:149 Resp: 1120334

Ion Ratio Lower Upper

149 100

167 1.8 1.5 2.3

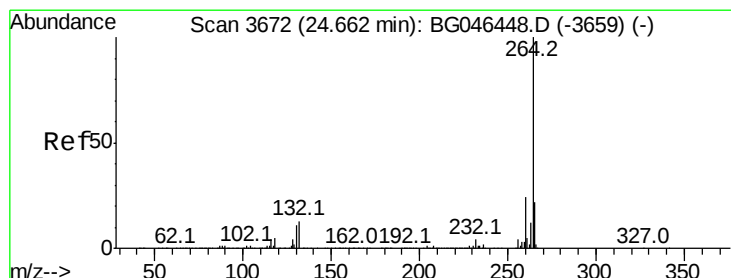
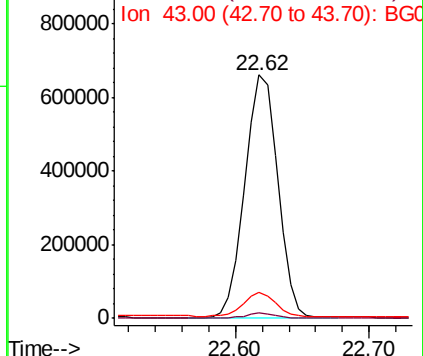
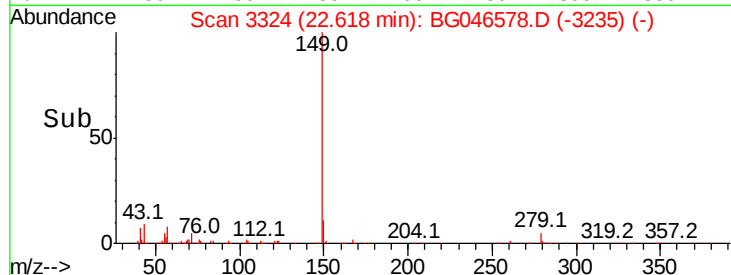
43 9.4 7.0 10.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.65 min Scan# 3670

Delta R.T. -0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

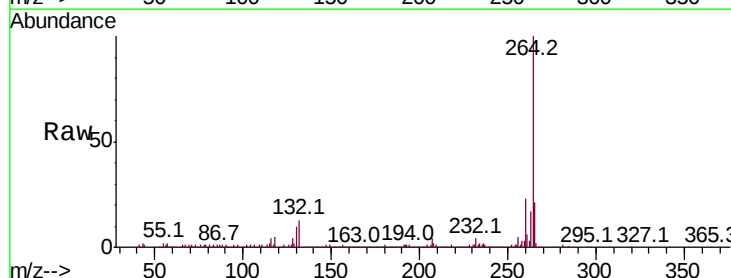
Tgt Ion:264 Resp: 472858

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

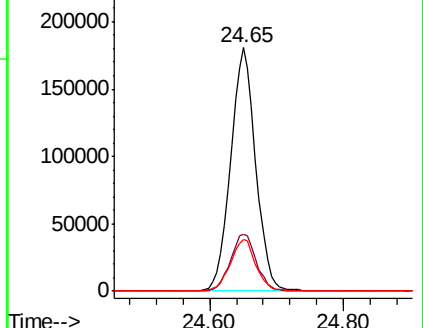
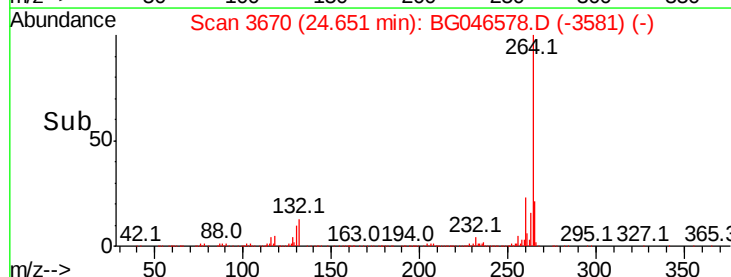
265 21.2 17.9 26.9

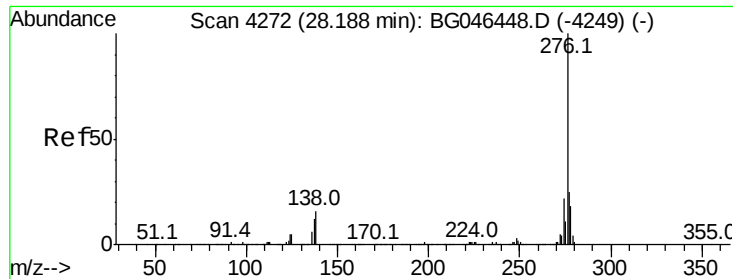


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



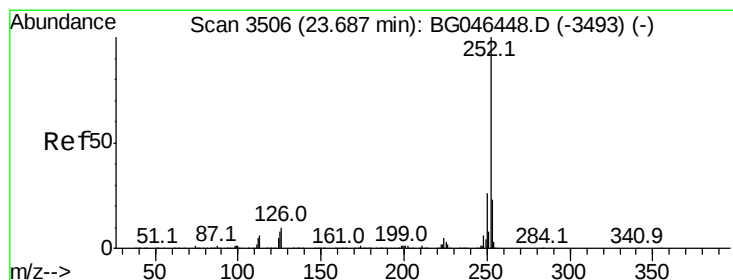
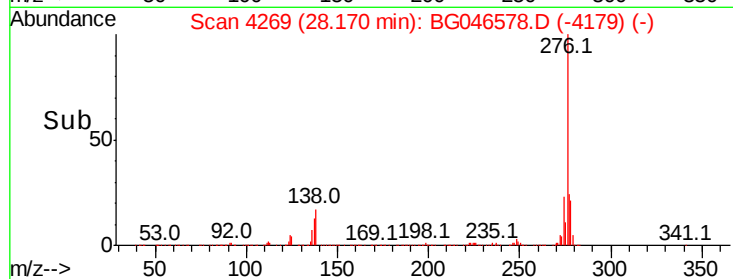
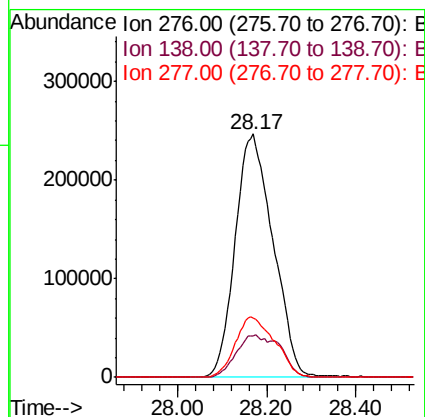
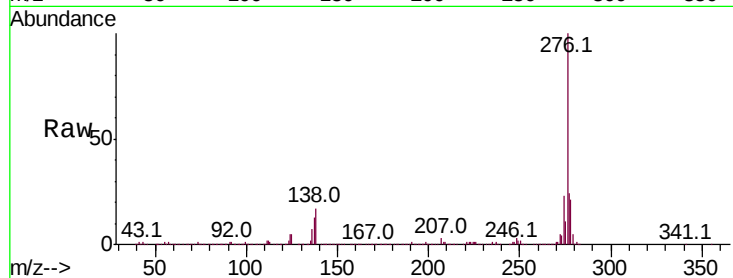


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 42.800 ng
 RT: 28.17 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: BG046578.D
 Acq: 9 Sep 2020 18:37

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-218MSD

Tot Ion:276 Resp: 1453578

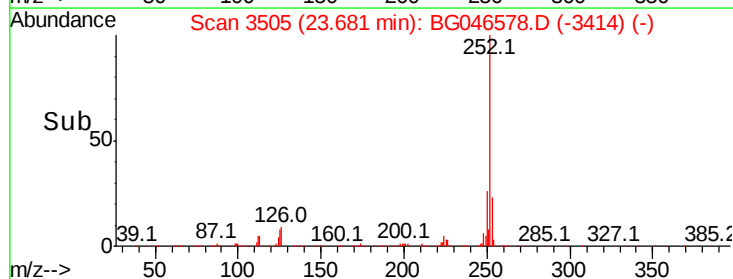
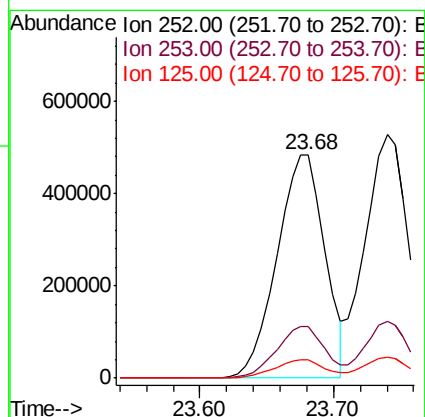
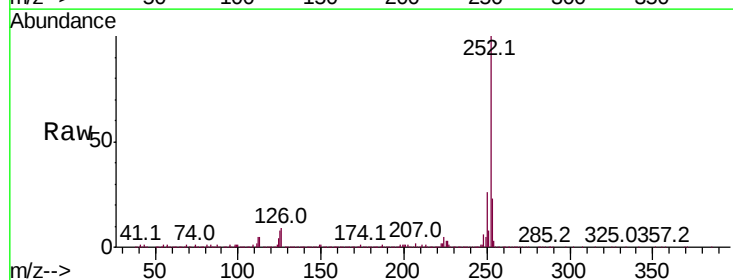
Ion	Ratio	Lower	Upper
276	100		
138	15.1	16.5	24.7#
277	25.9	20.7	31.1

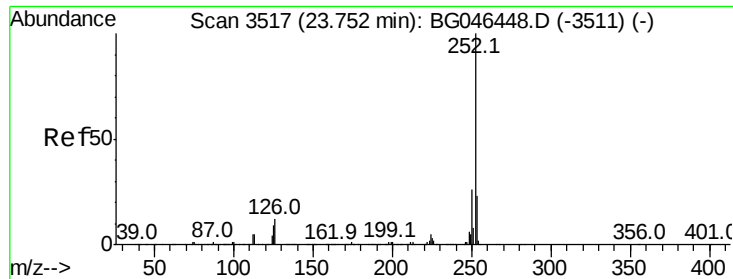


#88
 Benzo(b)fluoranthene
 Concen: 40.603 ng
 RT: 23.68 min Scan# 3505
 Delta R.T. 0.01 min
 Lab File: BG046578.D
 Acq: 9 Sep 2020 18:37

Tgt Ion:252 Resp: 1198830

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	8.2	6.2	9.2





#89

Benzo(k)fluoranthene

Concen: 41.726 ng

RT: 23.74 min Scan# 3515

Delta R.T. -0.01 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

Instrument :

BNA_G

ClientSampleId :

VNJ-218MSD

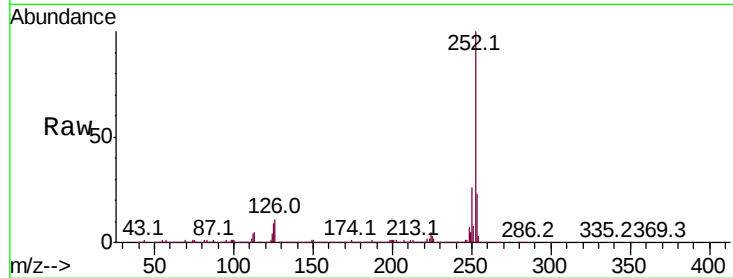
Tot Ion:252 Resp: 1190653

Ion Ratio Lower Upper

252 100

253 23.4 18.5 27.7

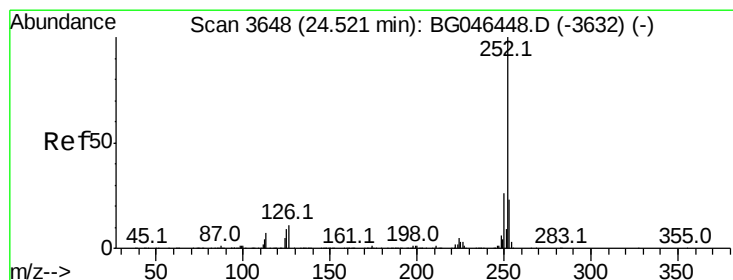
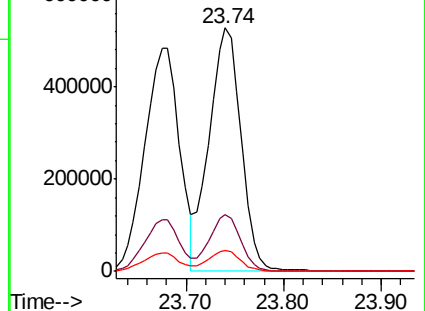
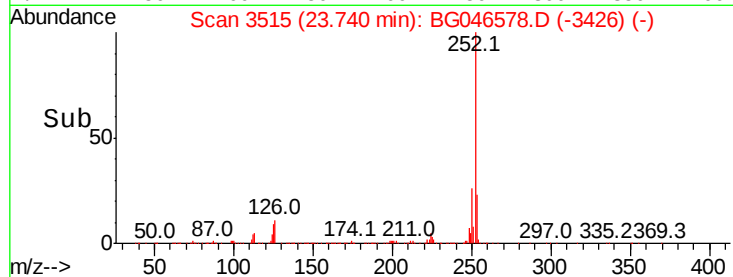
125 8.8 6.8 10.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 40.462 ng

RT: 24.51 min Scan# 3646

Delta R.T. 0.00 min

Lab File: BG046578.D

Acq: 9 Sep 2020 18:37

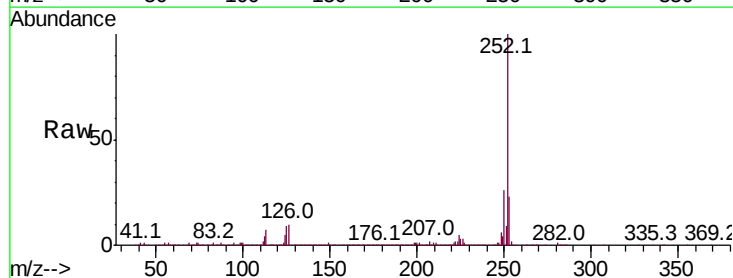
Tgt Ion:252 Resp: 1114905

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.4

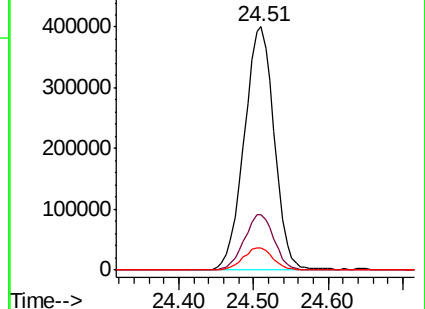
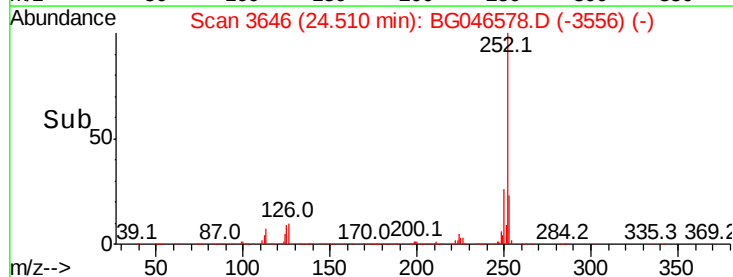
125 8.9 7.4 11.0

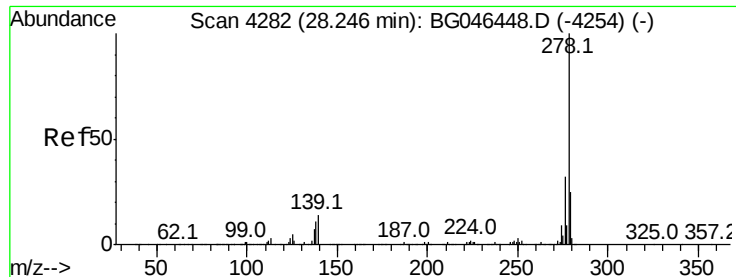


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



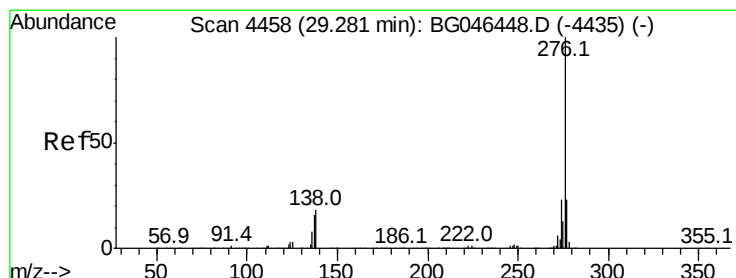
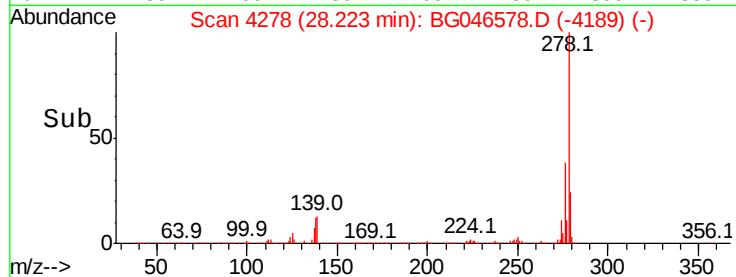
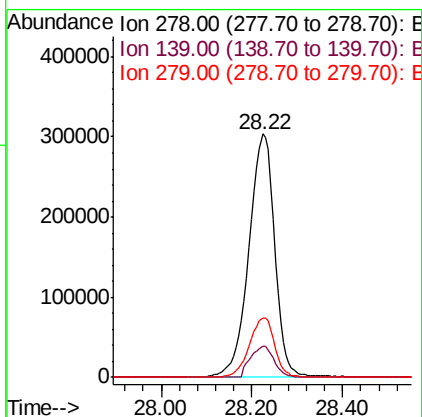
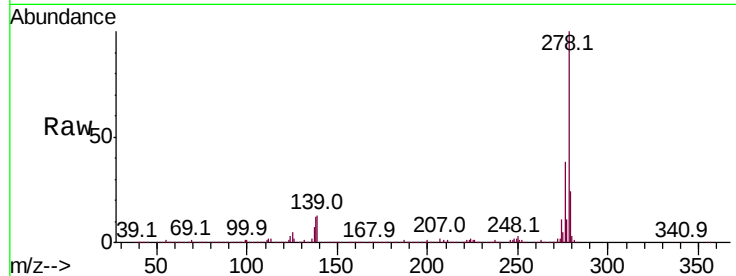


#91
Dibenzo(a,h)anthracene
Concen: 43.656 ng
RT: 28.22 min Scan# 4278
Delta R.T. -0.01 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Instrument :
BNA_G
ClientSampleId :
VNJ-218MSD

Tot Ion:278 Resp: 1196427

Ion	Ratio	Lower	Upper
278	100		
139	12.9	11.2	16.8
279	24.4	19.8	29.8



#92
Benzo(g,h,i)perylene
Concen: 44.313 ng
RT: 29.26 min Scan# 4455
Delta R.T. -0.01 min
Lab File: BG046578.D
Acq: 9 Sep 2020 18:37

Tgt Ion:276 Resp: 1212722

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.7	28.1
138	16.5	14.7	22.1

