

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
 Data File : BG043960.D
 Acq On : 7 Jan 2020 18:53
 Operator : JU
 Sample : L1039-01MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 08 02:41:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	169325	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	699844	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	419910	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	763944	20.00	ng	0.00
76) Chrysene-d12	21.60	240	634806	20.00	ng	0.00
87) Perylene-d12	24.73	264	750091	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	837167	90.78	ng	0.00
7) Phenol-d6	7.14	99	1134381	88.00	ng	0.01
23) Nitrobenzene-d5	9.12	82	681662	52.11	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	361530	82.27	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1424882	61.48	ng	0.00
79) Terphenyl-d14	19.95	244	1662812	57.32	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.44	88	169369	42.122	ng	99
3) Pyridine	3.83	79	438057	36.878	ng	99
4) n-Nitrosodimethylamine	3.75	42	232543	43.971	ng	94
6) Aniline	7.29	93	363511	21.470	ng	97
8) 2-Chlorophenol	7.53	128	540765	49.949	ng	99
9) Benzaldehyde	7.10	77	320040	38.792	ng	98
10) Phenol	7.16	94	673535	50.713	ng	99
11) bis(2-Chloroethyl)ether	7.38	93	526395	45.916	ng	100
12) 1,3-Dichlorobenzene	7.85	146	587449	46.369	ng	98
13) 1,4-Dichlorobenzene	8.00	146	582111	46.568	ng	99
14) 1,2-Dichlorobenzene	8.32	146	556930	46.418	ng	99
15) Benzyl Alcohol	8.20	79	464427	45.651	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.49	45	755472	42.594	ng	99
17) 2-Methylphenol	8.41	107	465238	48.406	ng	100
18) Hexachloroethane	9.05	117	223600	45.970	ng	97
19) n-Nitroso-di-n-propylamine	8.77	70	405379	42.228	ng	97
20) 3+4-Methylphenols	8.74	107	632666	47.186	ng	99
22) Acetophenone	8.78	105	740945	42.586	ng	99
24) Nitrobenzene	9.16	77	582170	44.931	ng	98
25) Isophorone	9.69	82	1081473	44.063	ng	99
26) 2-Nitrophenol	9.87	139	314022	51.226	ng	98
27) 2,4-Dimethylphenol	9.94	122	479447	51.957	ng	98
28) bis(2-Chloroethoxy)methane	10.17	93	687116	41.993	ng	100
29) 2,4-Dichlorophenol	10.41	162	522553	47.474	ng	98
30) 1,2,4-Trichlorobenzene	10.63	180	556042	45.054	ng	99
31) Naphthalene	10.81	128	1558327	46.014	ng	98
32) Benzoic acid	10.10	122	348261	46.560	ng	94
33) 4-Chloroaniline	10.91	127	219280	13.575	ng	99
34) Hexachlorobutadiene	11.11	225	327759	43.497	ng	97
35) Caprolactam	11.70	113	126019	30.755	ng	95
36) 4-Chloro-3-methylphenol	12.05	107	544920	46.504	ng	99
37) 2-Methylnaphthalene	12.42	142	1163949	45.651	ng	98
38) 1-Methylnaphthalene	12.64	142	1096611	45.380	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.79	216	569634	46.283	ng	99

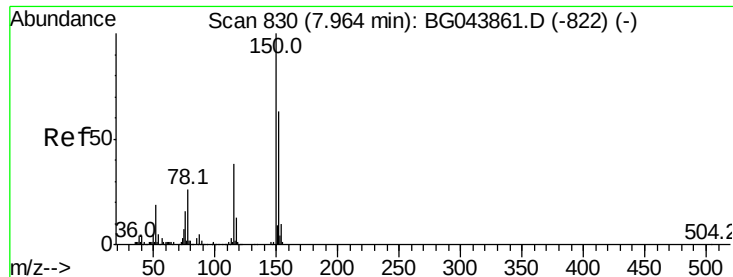
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
 Data File : BG043960.D
 Acq On : 7 Jan 2020 18:53
 Operator : JU
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Instrument :
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 ClientSampleId :

Quant Time: Jan 08 02:41:11 2020
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.78	237	330771	51.839	ng	99
43) 2,4,6-Trichlorophenol	13.03	196	408263	48.209	ng	99
44) 2,4,5-Trichlorophenol	13.11	196	431117	49.359	ng	99
46) 1,1'-Biphenyl	13.43	154	1405463	46.682	ng	99
47) 2-Chloronaphthalene	13.47	162	1113312	45.762	ng	100
48) 2-Nitroaniline	13.66	65	351669	44.938	ng	98
49) Acenaphthylene	14.32	152	1665218	47.622	ng	98
50) Dimethylphthalate	14.05	163	1384576	46.438	ng	99
51) 2,6-Dinitrotoluene	14.16	165	314047	46.602	ng	97
52) Acenaphthene	14.66	154	1153316	47.032	ng	99
53) 3-Nitroaniline	14.49	138	208935	27.302	ng	98
54) 2,4-Dinitrophenol	14.70	184	166328	50.610	ng	98
55) Dibenzofuran	15.00	168	1541478	45.664	ng	98
56) 4-Nitrophenol	14.81	139	590276	100.656	ng	99
57) 2,4-Dinitrotoluene	14.96	165	415609	45.324	ng	98
58) Fluorene	15.64	166	1202504	44.943	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.22	232	350065	46.610	ng	100
60) Diethylphthalate	15.42	149	1290959	43.290	ng	98
61) 4-Chlorophenyl-phenylether	15.64	204	621843	42.802	ng	99
62) 4-Nitroaniline	15.66	138	257443	34.066	ng	97
63) Azobenzene	15.93	77	1235151	44.661	ng	98
65) 4,6-Dinitro-2-methylphenol	15.72	198	122516	32.670	ng	95
66) n-Nitrosodiphenylamine	15.85	169	1112910	49.469	ng	98
67) 4-Bromophenyl-phenylether	16.53	248	388180	45.179	ng	99
68) Hexachlorobenzene	16.65	284	413811	44.697	ng	97
69) Atrazine	16.80	200	413243	56.510	ng	98
70) Pentachlorophenol	17.00	266	503867	98.728	ng	98
71) Phenanthrene	17.38	178	1956782	53.402	ng	95
72) Anthracene	17.48	178	1808059	49.928	ng	97
73) Carbazole	17.74	167	1598404	47.784	ng	98
74) Di-n-butylphthalate	18.31	149	1862834	43.617	ng	99
75) Fluoranthene	19.39	202	1939623	46.285	ng	95
77) Benzidine	19.57	184	715921	44.868	ng	98
78) Pyrene	19.75	202	2064572	49.825	ng	96
80) Butylbenzylphthalate	20.64	149	927563	47.019	ng	99
81) Benzo(a)anthracene	21.58	228	1934741	49.152	ng	97
82) 3,3'-Dichlorobenzidine	21.49	252	300310	19.311	ng	99
83) Chrysene	21.64	228	1834896	49.059	ng	98
84) Bis(2-ethylhexyl)phthalate	21.50	149	1318980	48.456	ng	97
85) Di-n-octyl phthalate	22.68	149	2235107	48.843	ng	99
86) Indeno(1,2,3-cd)pyrene	28.28	276	2357730	46.385	ng	# 90
88) Benzo(b)fluoranthene	23.74	252	2011222	45.356	ng	98
89) Benzo(k)fluoranthene	23.80	252	1983701	47.043	ng	97
90) Benzo(a)pyrene	24.58	252	1927715	46.060	ng	99
91) Dibenzo(a,h)anthracene	28.35	278	2018688	48.027	ng	99
92) Benzo(g,h,i)perylene	29.39	276	1873673	44.877	ng	99

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

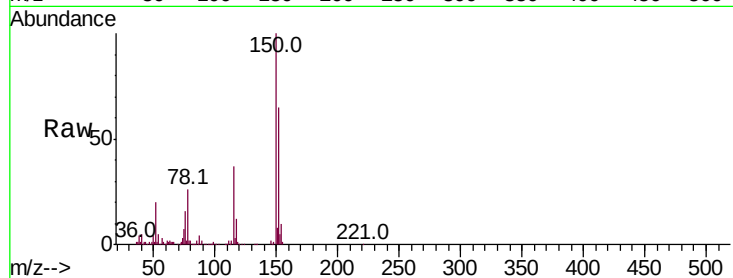


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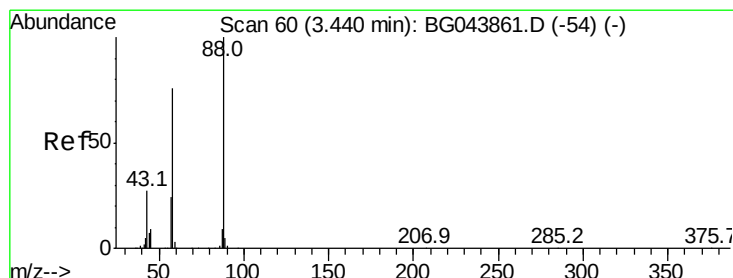
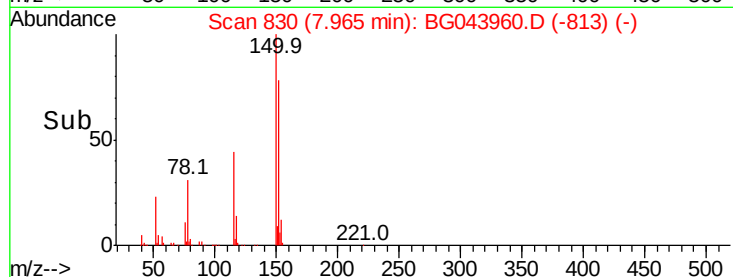
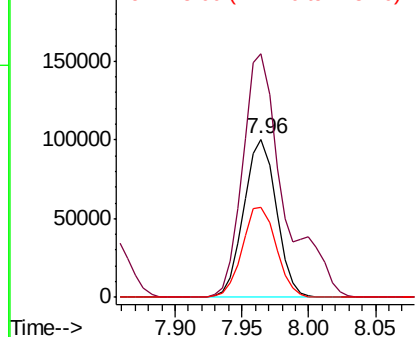
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 169325
Ion Ratio Lower Upper
152 100
150 153.7 127.0 190.4
115 56.9 47.8 71.8



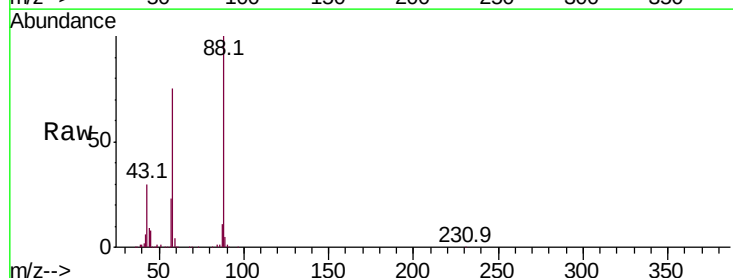
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



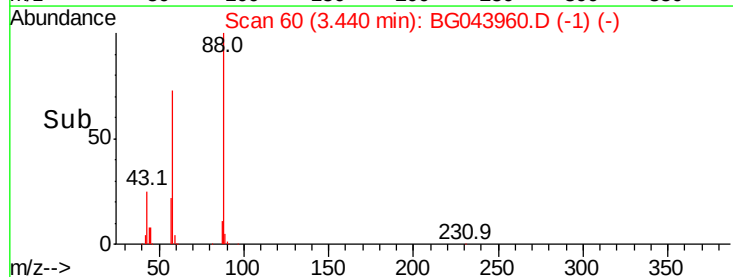
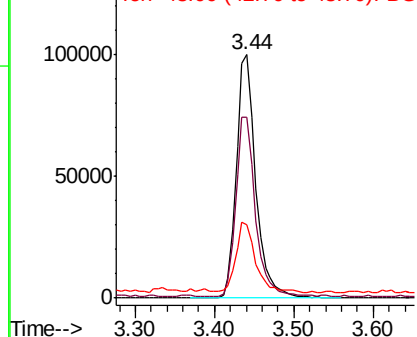
#2

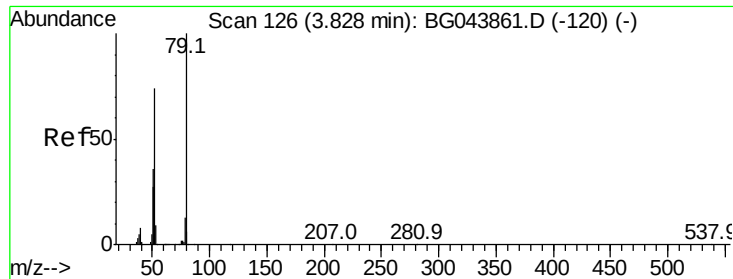
1,4-Dioxane
Concen: 42.122 ng
RT: 3.44 min Scan# 60
Delta R.T. 0.00 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Tgt Ion: 88 Resp: 169369
Ion Ratio Lower Upper
88 100
58 74.5 59.8 89.8
43 29.1 22.9 34.3



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: 36.878 ng

RT: 3.83 min Scan# 126

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

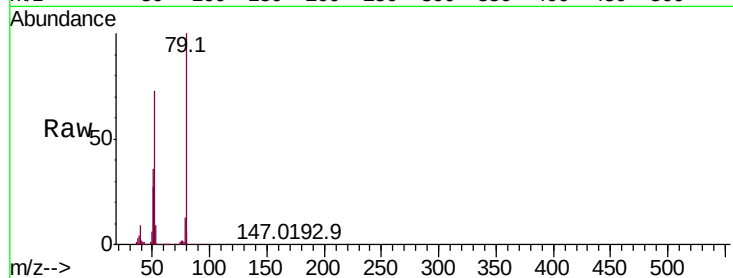
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 79 Resp: 438057

Ion	Ratio	Lower	Upper
79	100		
52	72.8	58.9	88.3
51	35.6	28.6	43.0

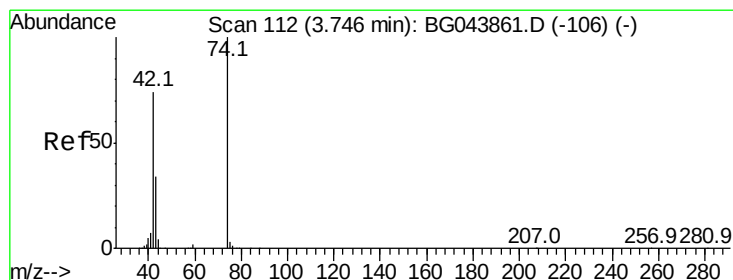
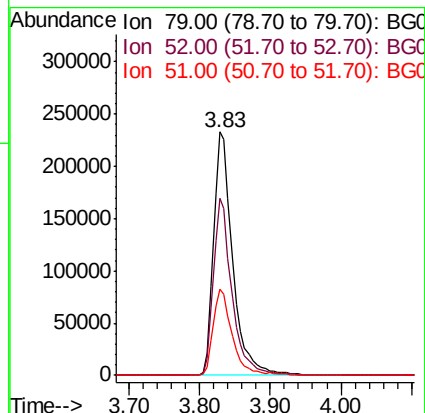
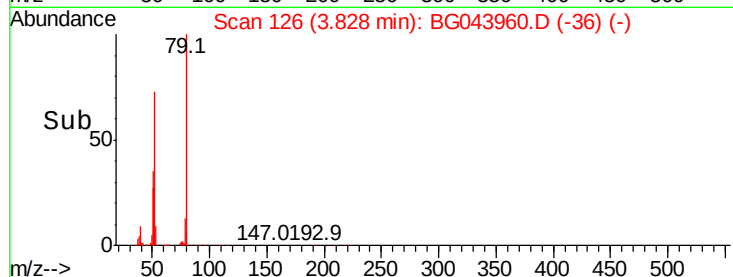


Abundance

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: 43.971 ng

RT: 3.75 min Scan# 112

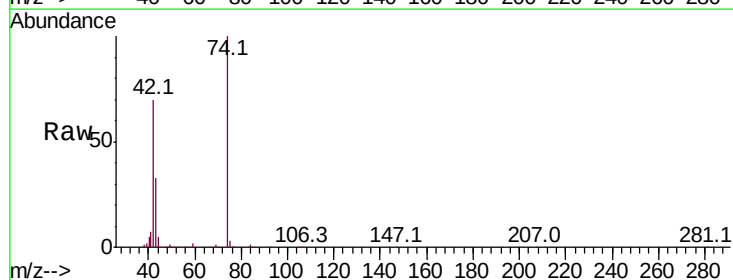
Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Tgt Ion: 42 Resp: 232543

Ion	Ratio	Lower	Upper
42	100		
74	142.8	108.6	162.8
44	6.7	5.0	7.6

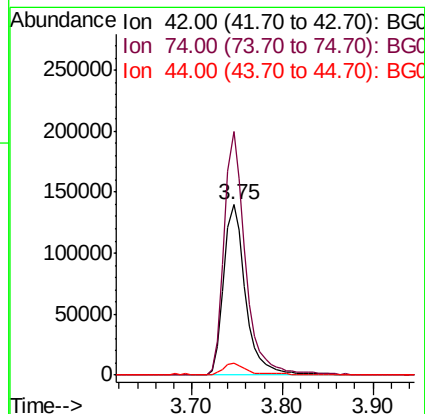
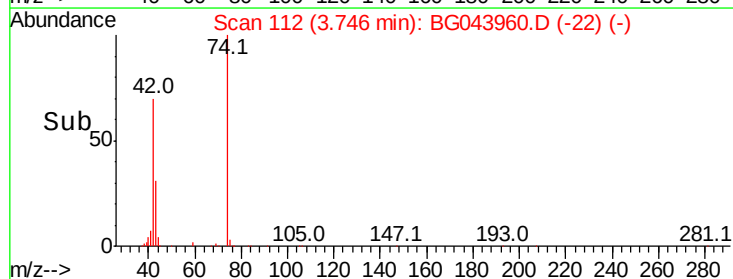


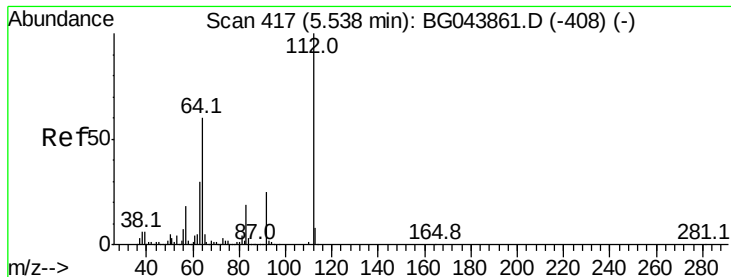
Abundance

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: 90.780 ng

RT: 5.54 min Scan# 418

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampleId :

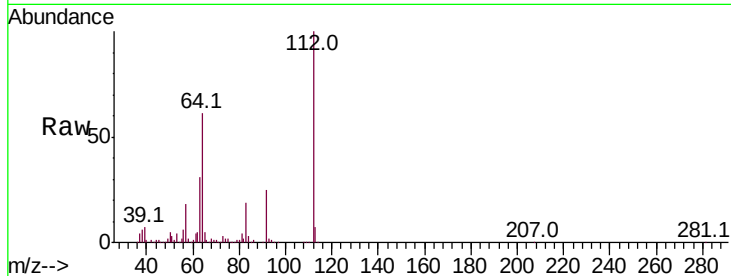
Tot Ion:112 Resp: 837167

Ion Ratio Lower Upper

112 100

64 61.1 47.8 71.6

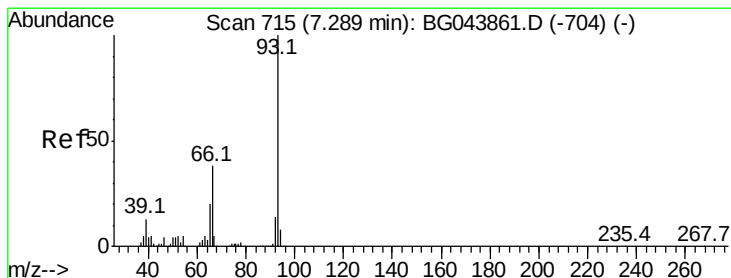
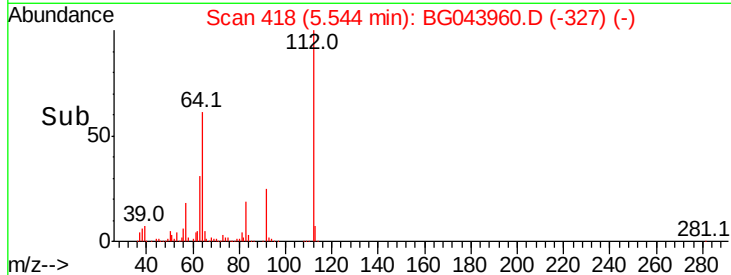
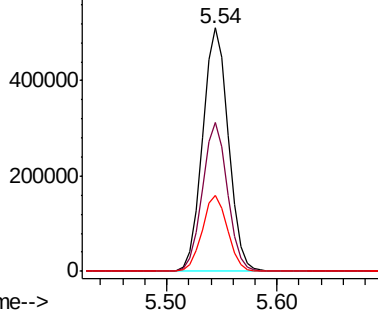
63 31.0 24.3 36.5



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: 21.470 ng

RT: 7.29 min Scan# 715

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

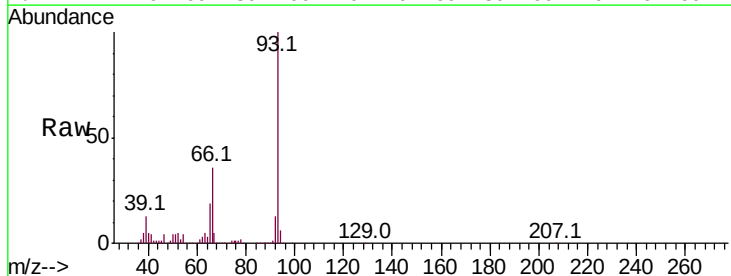
Tgt Ion: 93 Resp: 363511

Ion Ratio Lower Upper

93 100

66 36.3 30.8 46.2

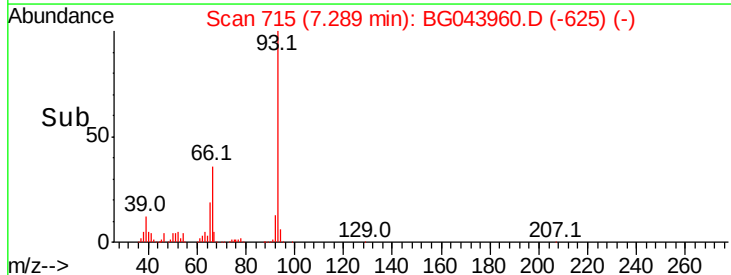
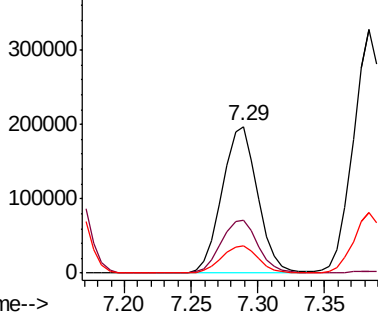
65 18.7 16.0 24.0

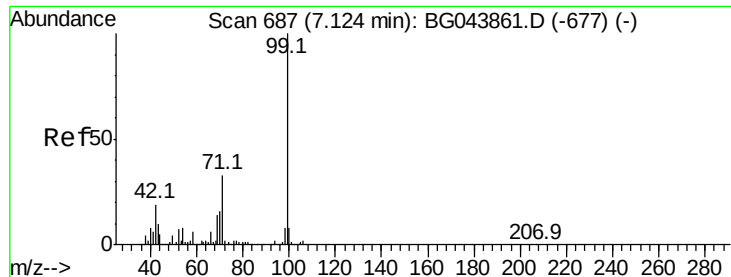


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 88.001 ng

RT: 7.14 min Scan# 689

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampleId :

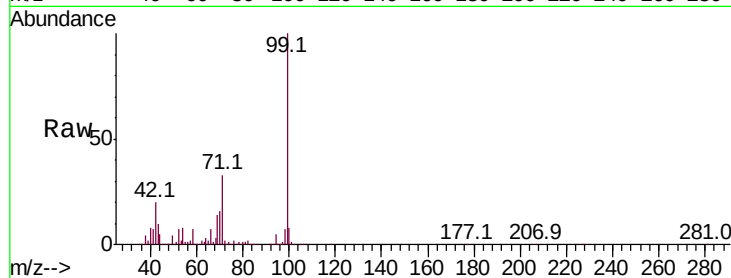
Tot Ion: 99 Resp: 1134381

Ion Ratio Lower Upper

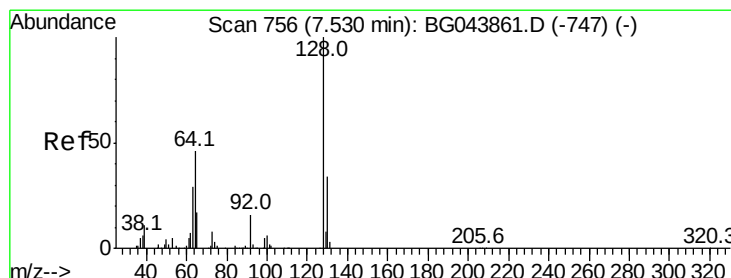
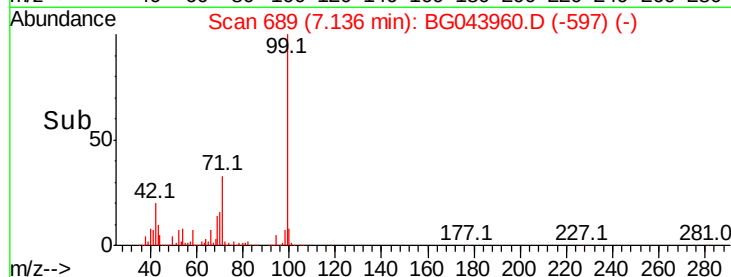
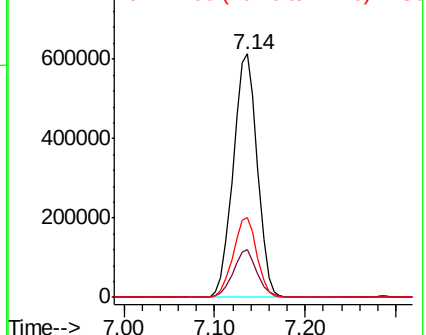
99 100

42 19.7 14.9 22.3

71 32.9 26.4 39.6



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: 49.949 ng

RT: 7.53 min Scan# 756

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

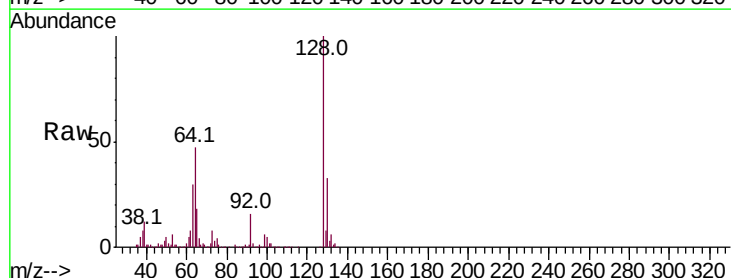
Tgt Ion:128 Resp: 540765

Ion Ratio Lower Upper

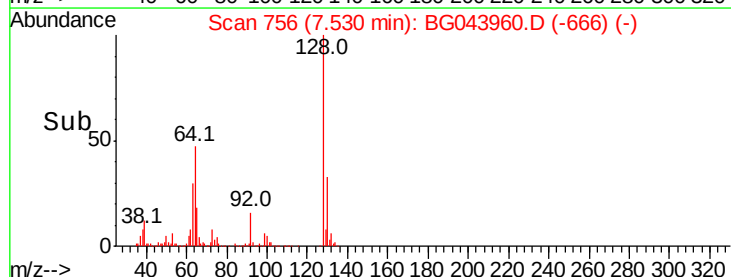
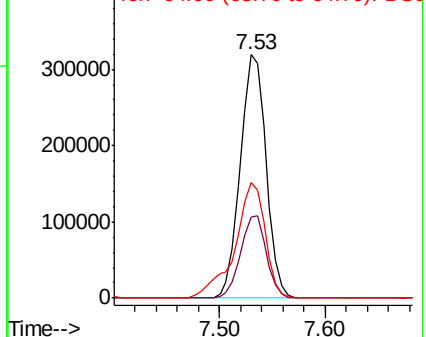
128 100

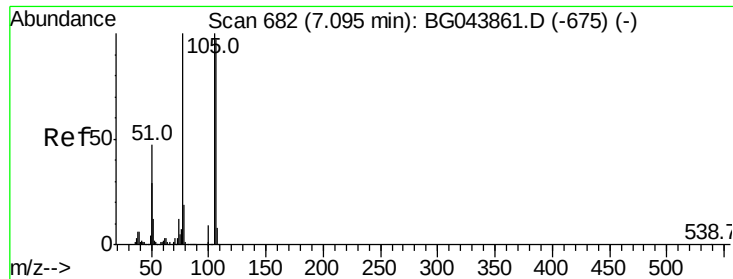
130 33.3 13.8 53.8

64 47.2 27.6 67.6



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





#9

Benzaldehyde

Concen: 38.792 ng

RT: 7.10 min Scan# 682

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampled :

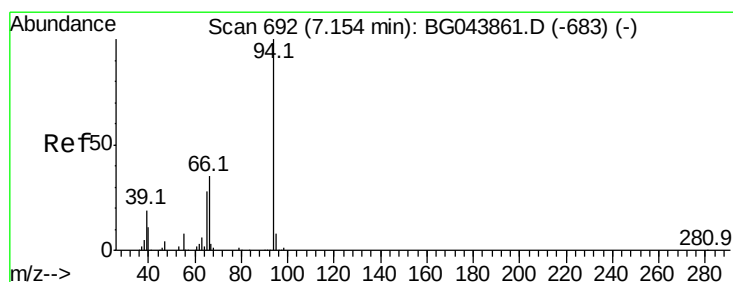
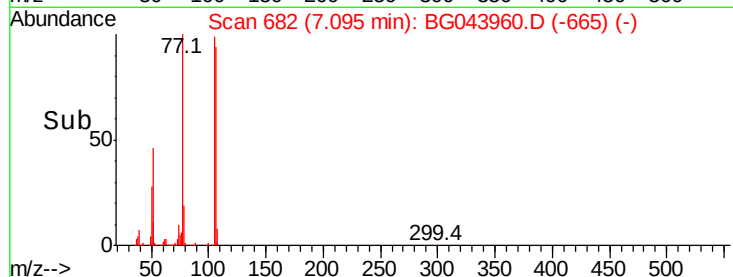
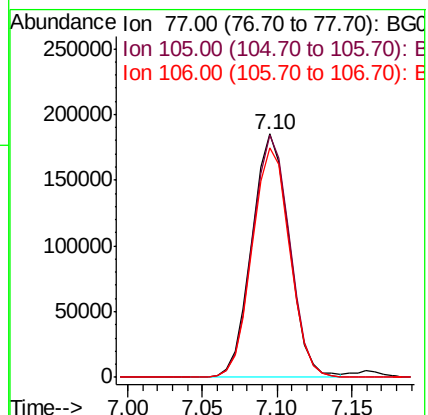
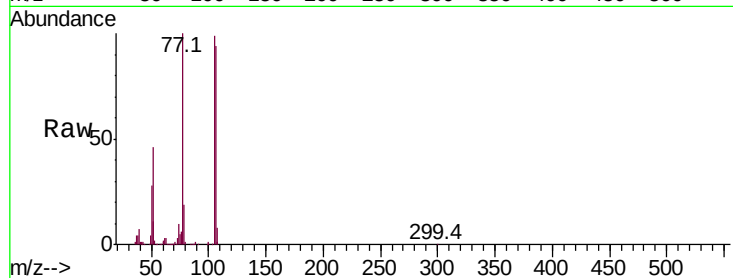
Tot Ion: 77 Resp: 320040

Ion Ratio Lower Upper

77 100

105 99.4 80.2 120.2

106 94.4 77.2 117.2



#10

Phenol

Concen: 50.713 ng

RT: 7.16 min Scan# 693

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

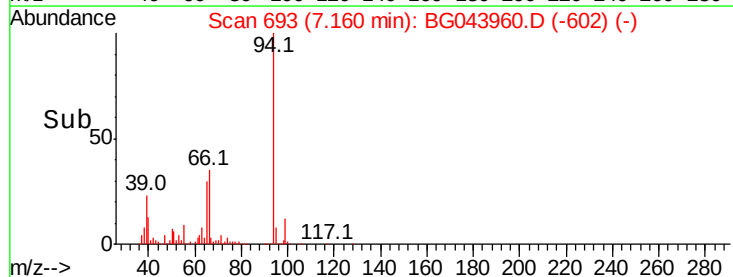
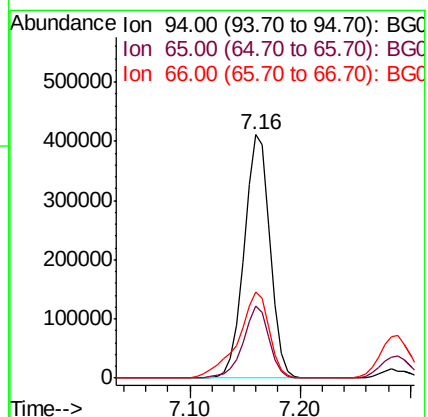
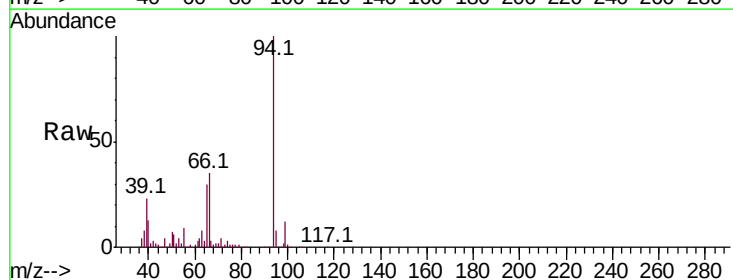
Tgt Ion: 94 Resp: 673535

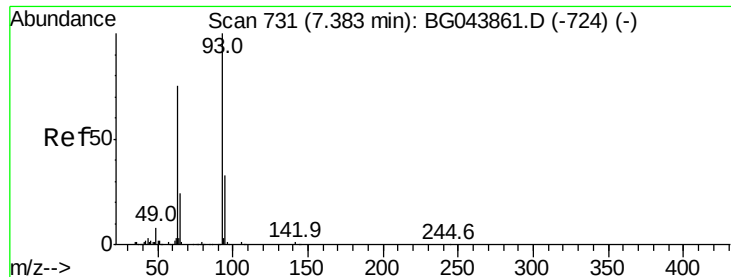
Ion Ratio Lower Upper

94 100

65 29.6 8.1 48.1

66 35.3 15.6 55.6

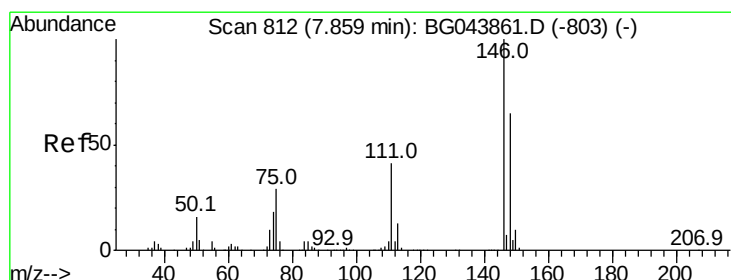
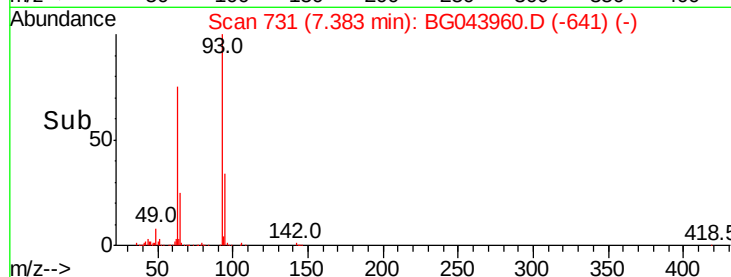
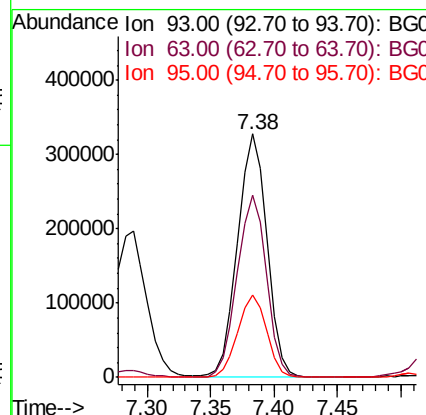
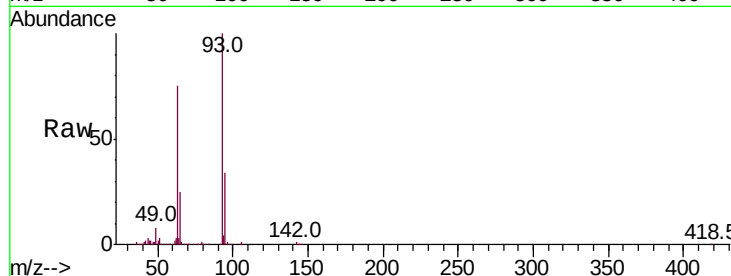




#11
bis(2-Chloroethyl)ether
Concen: 45.916 ng
RT: 7.38 min Scan# 731
Delta R.T. 0.00 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

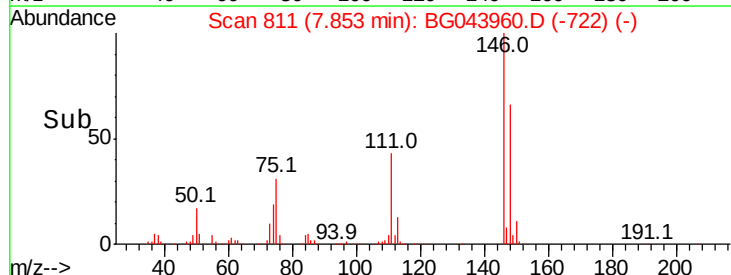
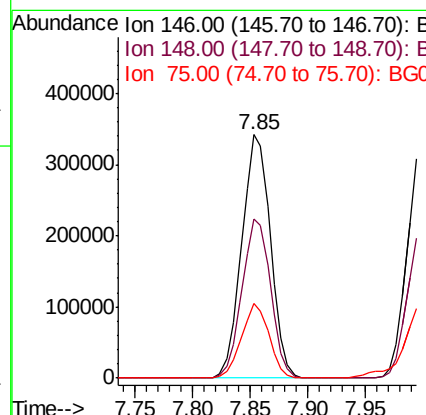
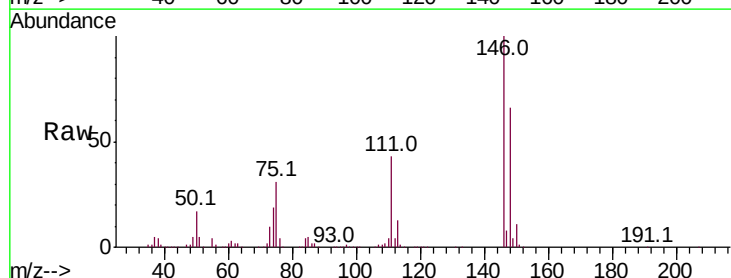
Instrument :
BNA_G
ClientSampleId :

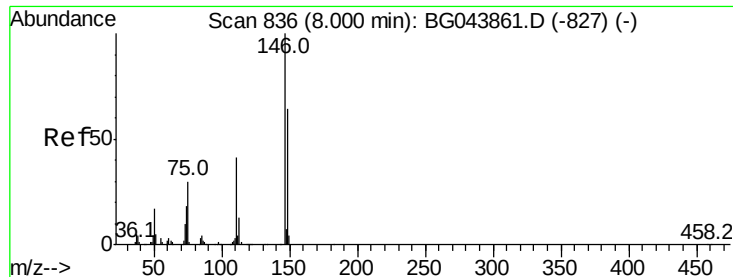
Tot Ion: 93 Resp: 526395
Ion Ratio Lower Upper
93 100
63 75.0 55.0 95.0
95 33.6 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 46.369 ng
RT: 7.85 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Tgt Ion: 146 Resp: 587449
Ion Ratio Lower Upper
146 100
148 65.6 52.1 78.1
75 30.7 23.0 34.4

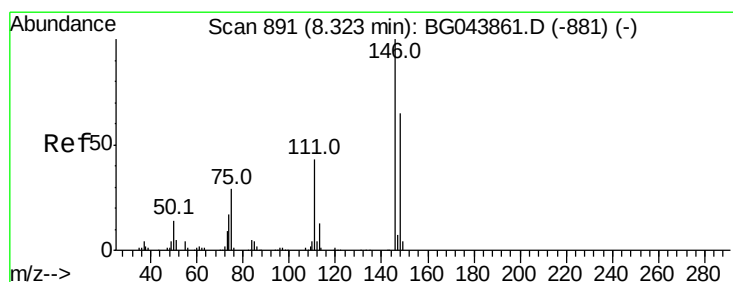
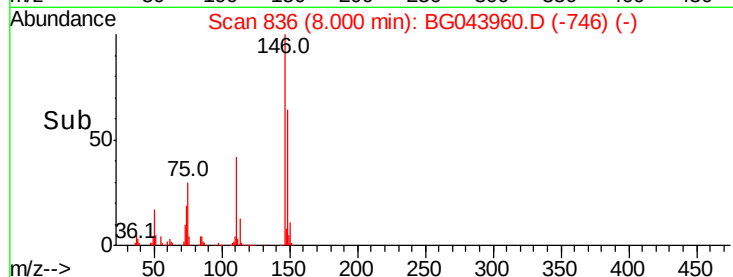
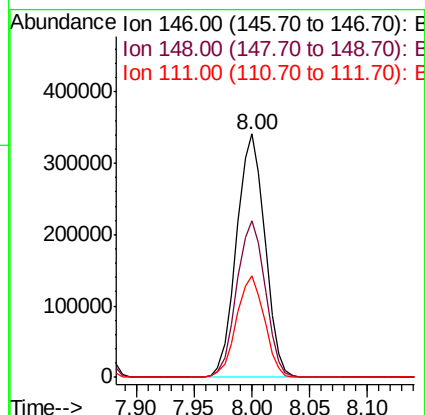
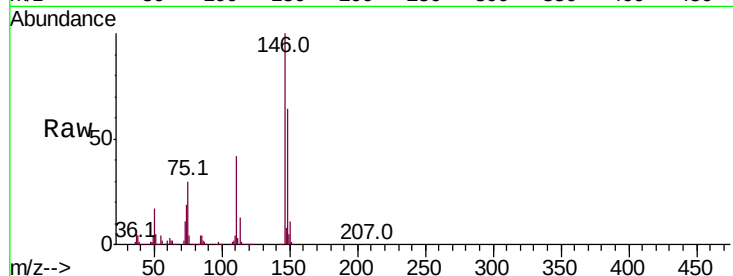




#13
 1,4-Dichlorobenzene
 Concen: 46.568 ng
 RT: 8.00 min Scan# 836
 Delta R.T. 0.00 min
 Lab File: BG043960.D
 Acq: 7 Jan 2020 18:53

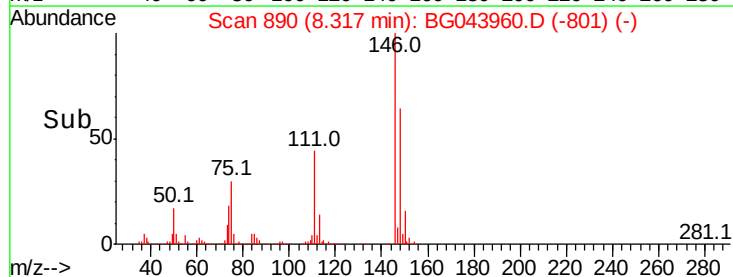
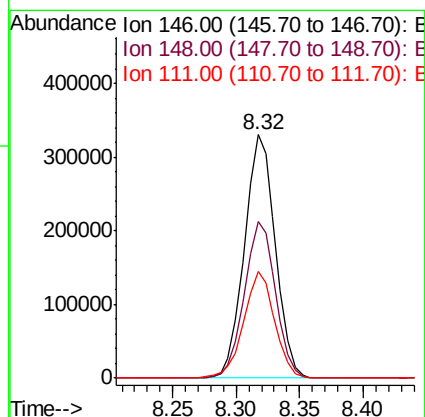
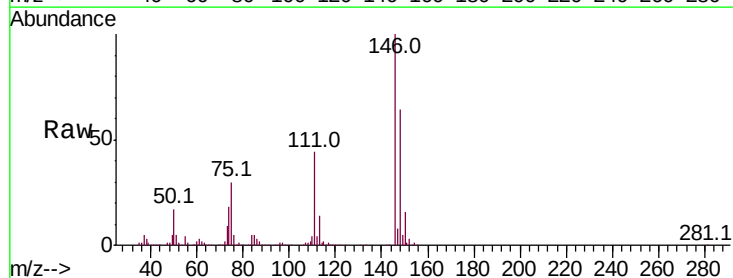
Instrument :
 BNA_G
 ClientSampleId :

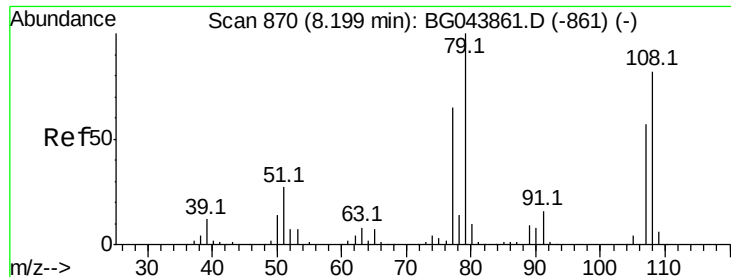
Tot Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.2	76.8
111	41.9	33.1	49.7



#14
 1,2-Dichlorobenzene
 Concen: 46.418 ng
 RT: 8.32 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BG043960.D
 Acq: 7 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.7	77.5
111	44.1	34.4	51.6





#15

Benzyl Alcohol

Concen: 45.651 ng

RT: 8.20 min Scan# 870

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampleId :

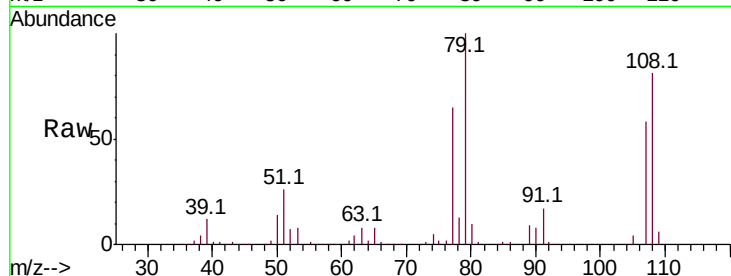
Tot Ion: 79 Resp: 464427

Ion Ratio Lower Upper

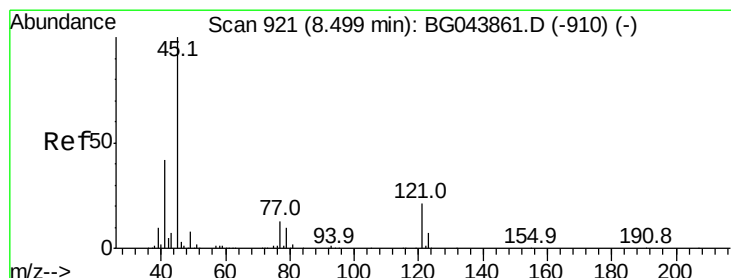
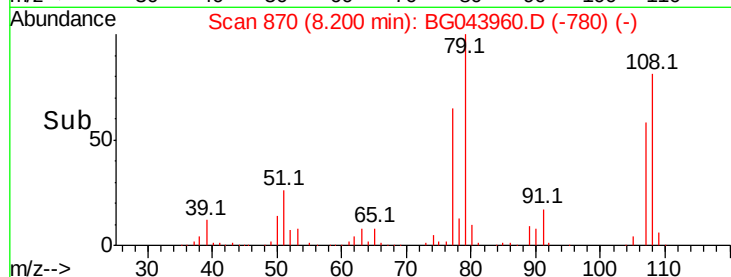
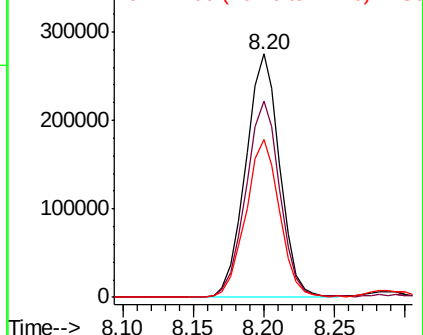
79 100

108 80.7 65.6 98.4

77 64.7 52.0 78.0



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.594 ng

RT: 8.49 min Scan# 920

Delta R.T. -0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

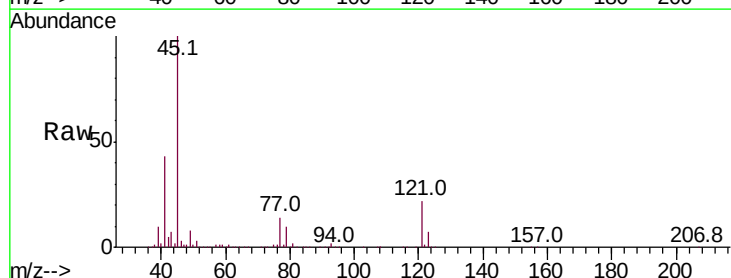
Tgt Ion: 45 Resp: 755472

Ion Ratio Lower Upper

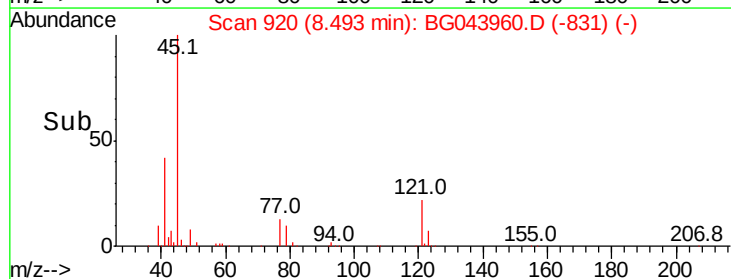
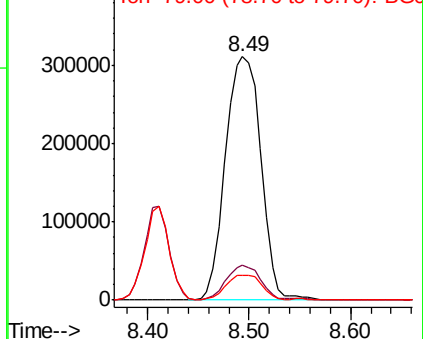
45 100

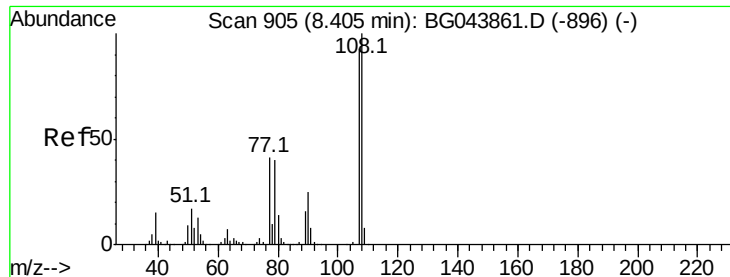
77 14.2 0.0 33.8

79 10.4 0.0 31.0



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC





#17

2-Methylphenol

Concen: 48.406 ng

RT: 8.41 min Scan# 906

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampled :

Tot Ion:107 Resp: 465238

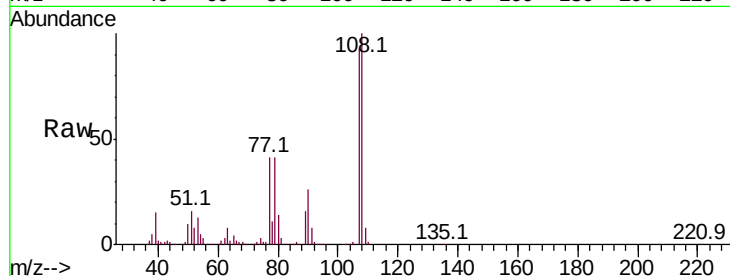
Ion Ratio Lower Upper

107 100

108 107.7 86.1 129.1

77 44.2 35.4 53.0

79 44.1 34.8 52.2



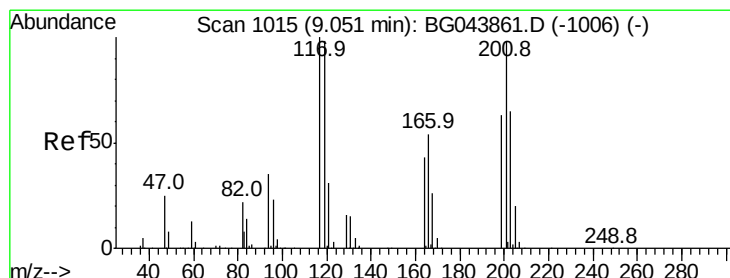
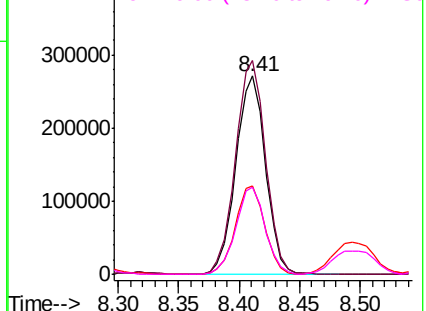
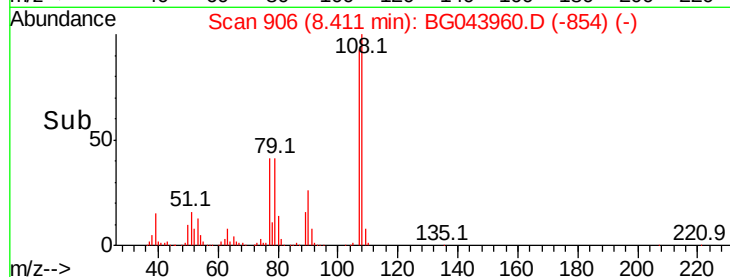
Abundance

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: 45.970 ng

RT: 9.05 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

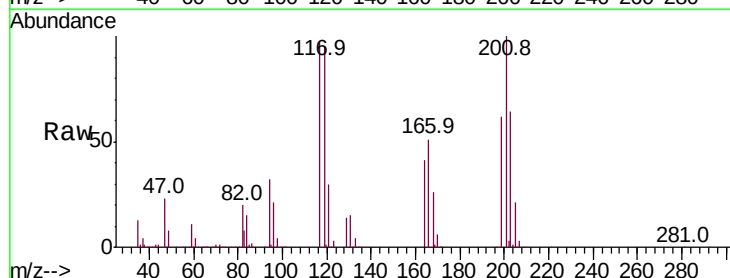
Tgt Ion:117 Resp: 223600

Ion Ratio Lower Upper

117 100

119 98.6 78.1 117.1

201 103.5 78.6 117.8

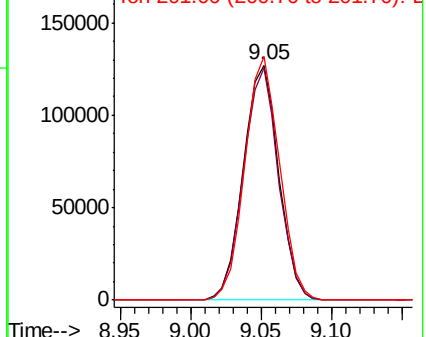
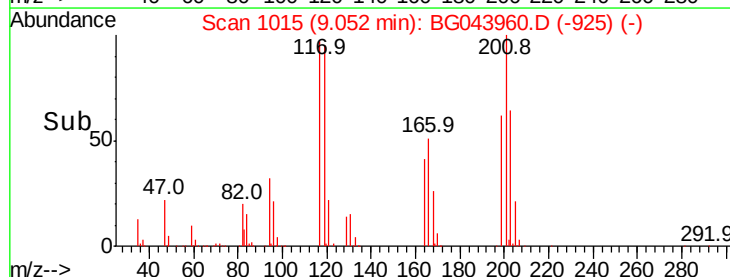


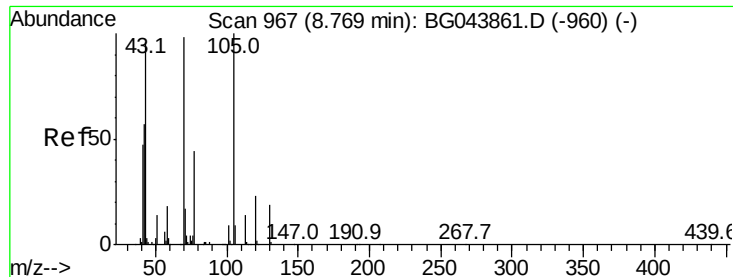
Abundance

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: 42.228 ng

RT: 8.77 min Scan# 967

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 405379

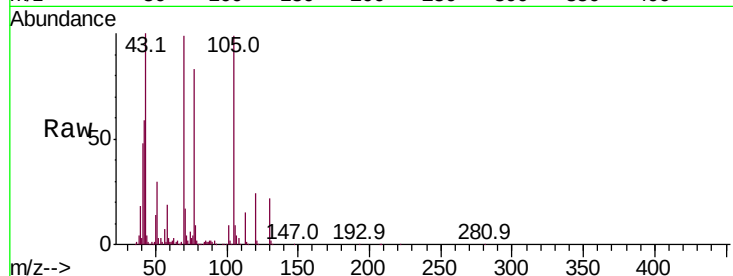
Ion Ratio Lower Upper

70 100

42 60.1 47.0 70.4

101 9.2 7.2 10.8

130 22.5 15.6 23.4

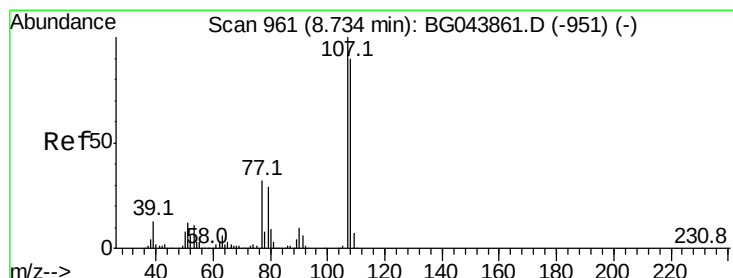
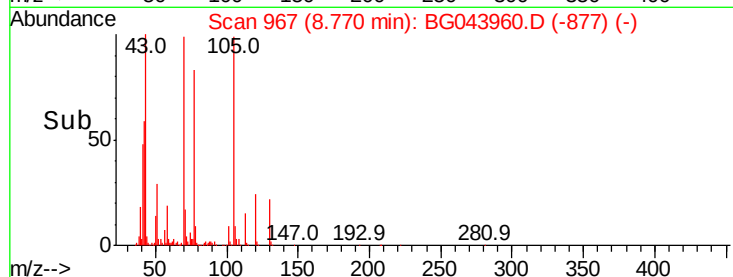
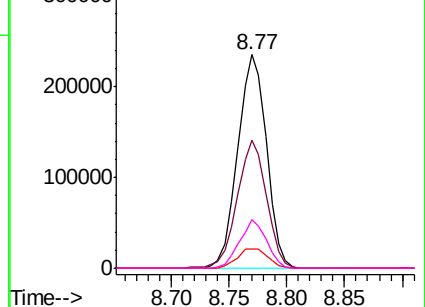


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20

3+4-Methylphenols

Concen: 47.186 ng

RT: 8.74 min Scan# 962

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Tgt Ion: 107 Resp: 632666

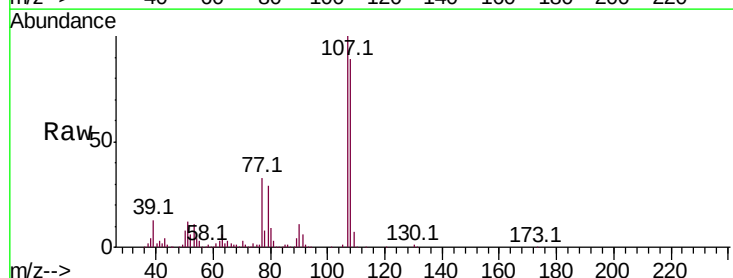
Ion Ratio Lower Upper

107 100

108 89.3 70.3 110.3

77 33.0 12.4 52.4

79 29.1 8.6 48.6

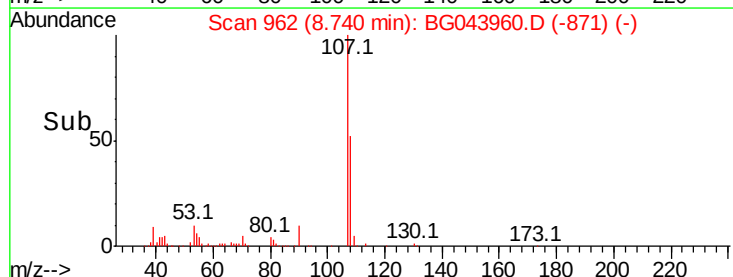
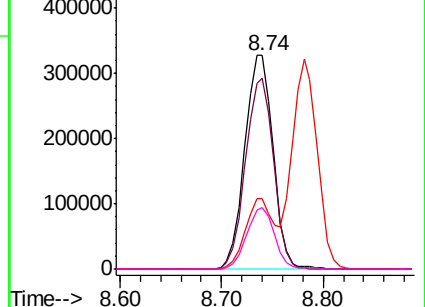


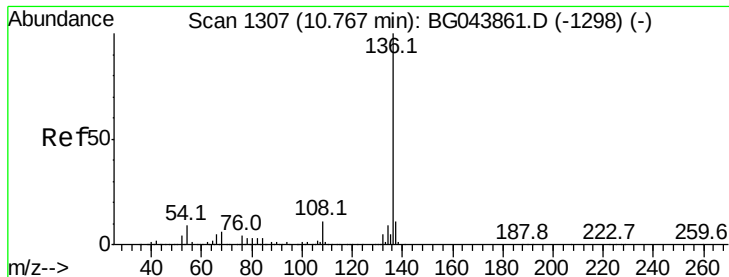
Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.77 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

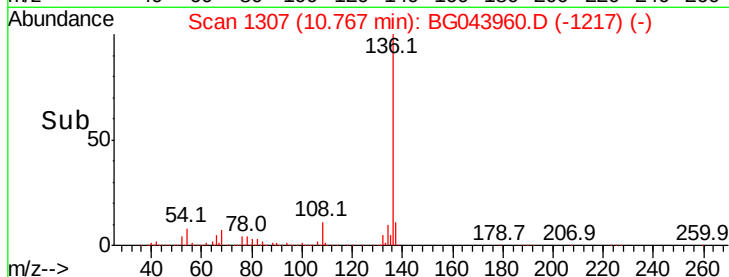
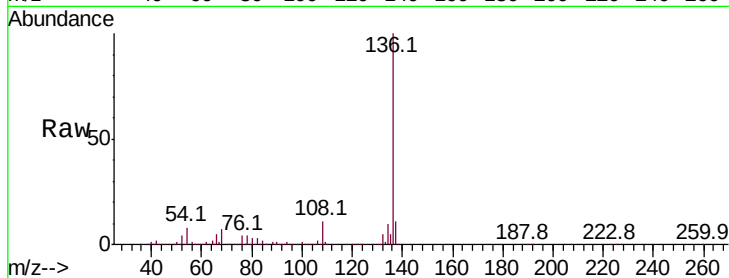
Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 699844

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.1	7.0	10.4
68	6.8	4.9	7.3

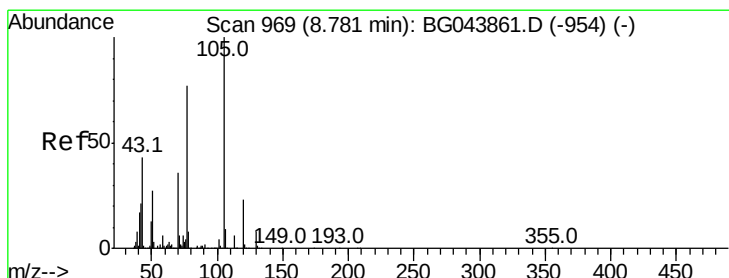


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 42.586 ng

RT: 8.78 min Scan# 969

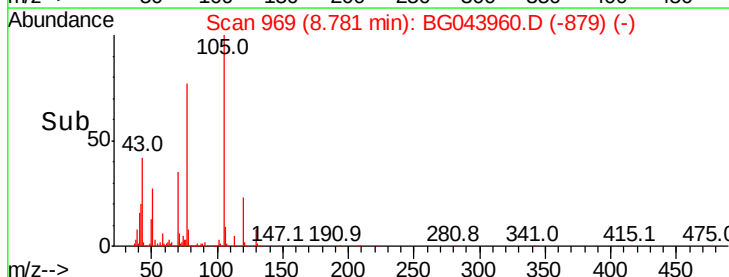
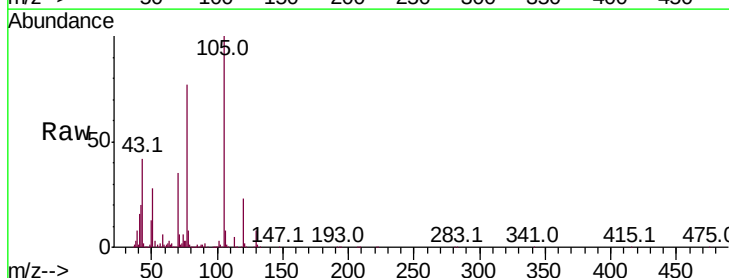
Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Tgt Ion:105 Resp: 740945

Ion	Ratio	Lower	Upper
105	100		
71	5.6	4.8	7.2
51	27.6	21.4	32.0
120	23.3	18.6	28.0

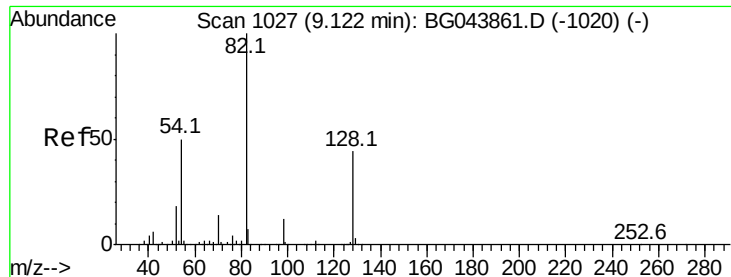


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

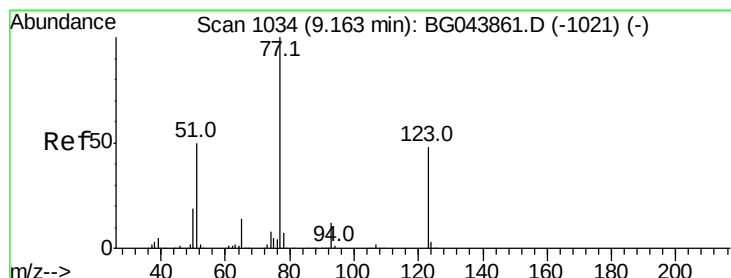
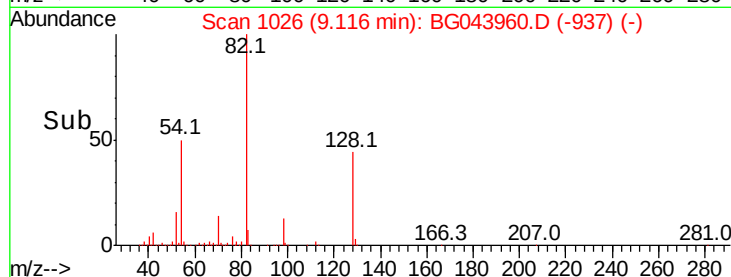
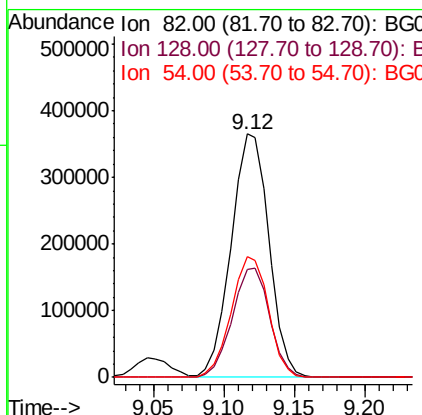
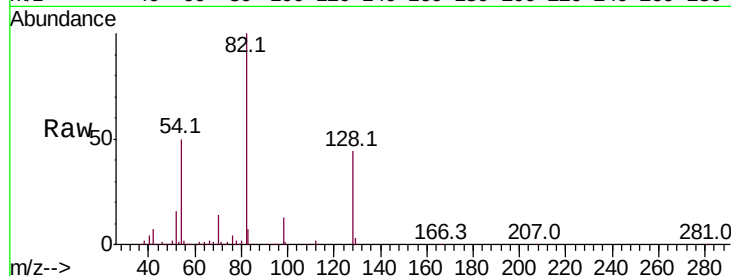
Ion 120.00 (119.70 to 120.70): E



#23
Nitrobenzene-d5
Concen: 52.106 ng
RT: 9.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

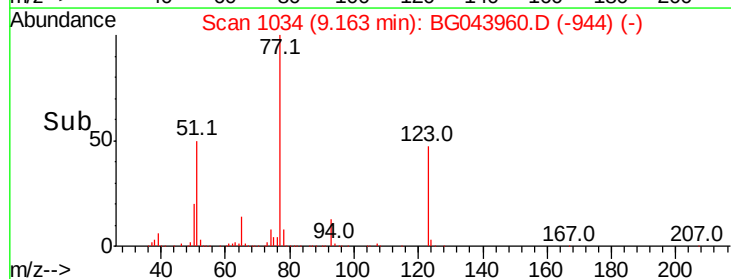
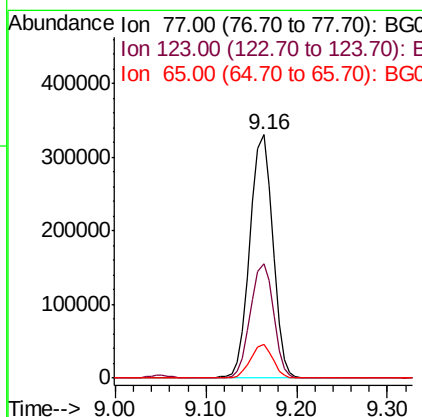
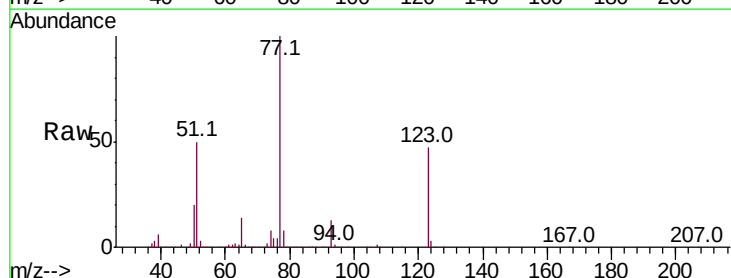
Instrument :
BNA_G
ClientSampleId :

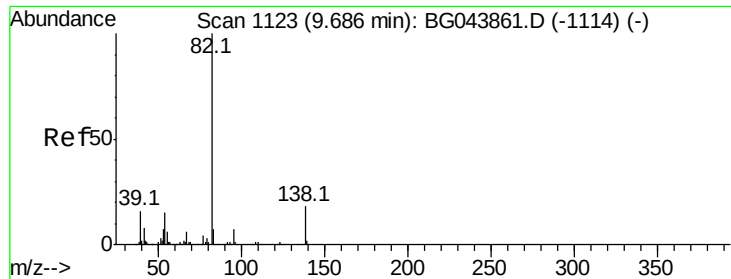
Tot Ion: 82 Resp: 681662
Ion Ratio Lower Upper
82 100
128 44.4 35.1 52.7
54 49.8 40.1 60.1



#24
Nitrobenzene
Concen: 44.931 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Tgt Ion: 77 Resp: 582170
Ion Ratio Lower Upper
77 100
123 47.2 38.7 58.1
65 13.6 11.1 16.7





#25

Isophorone

Concen: 44.063 ng

RT: 9.69 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampleId :

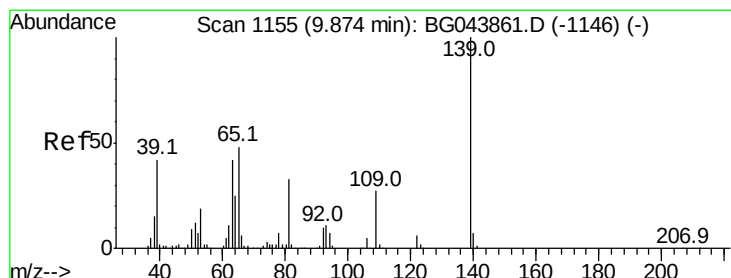
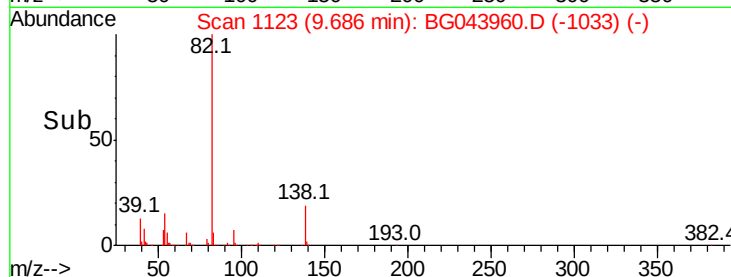
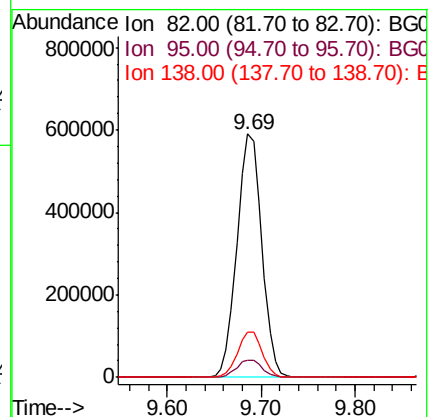
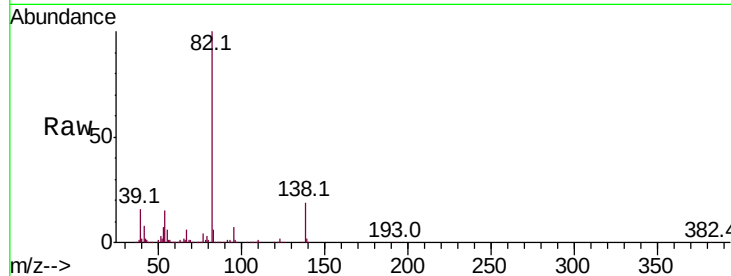
Tot Ion: 82 Resp: 1081473

Ion Ratio Lower Upper

82 100

95 7.1 5.8 8.6

138 18.7 14.6 22.0



#26

2-Nitrophenol

Concen: 51.226 ng

RT: 9.87 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

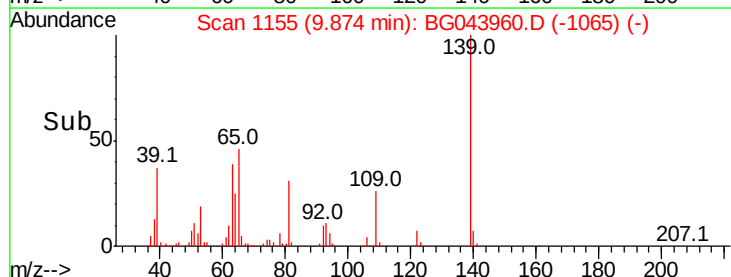
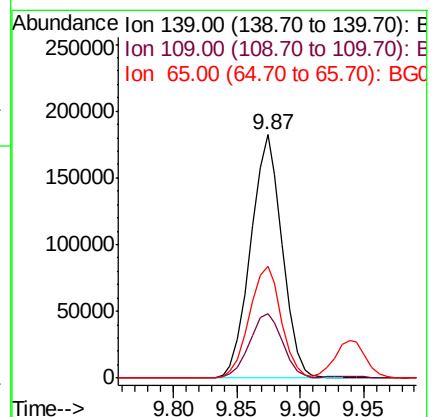
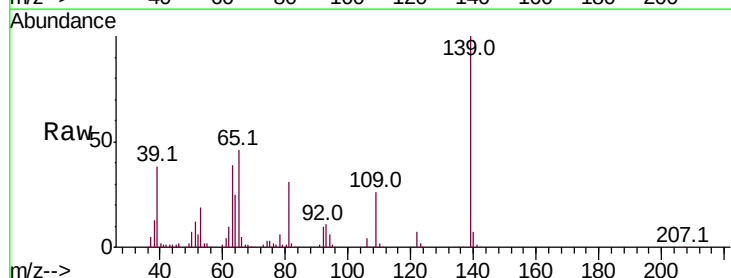
Tgt Ion: 139 Resp: 314022

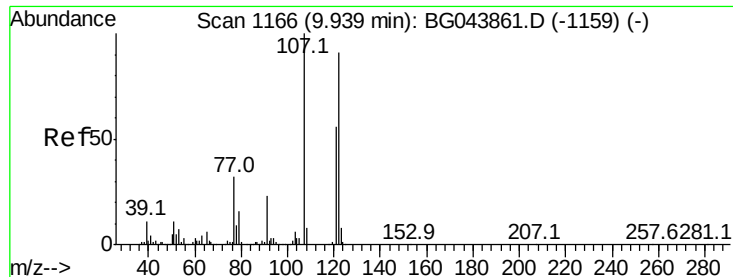
Ion Ratio Lower Upper

139 100

109 26.5 21.3 31.9

65 46.0 38.6 57.8





#27

2,4-Dimethylphenol

Concen: 51.957 ng

RT: 9.94 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampleId :

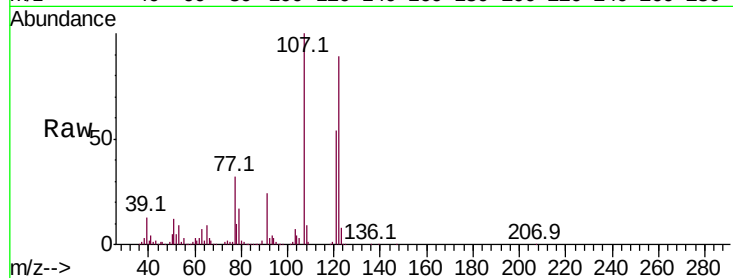
Tot Ion:122 Resp: 479447

Ion Ratio Lower Upper

122 100

107 112.3 88.0 132.0

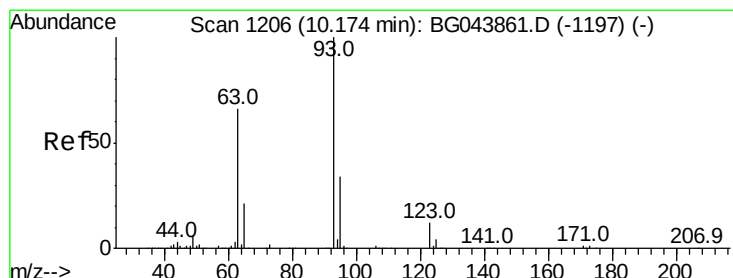
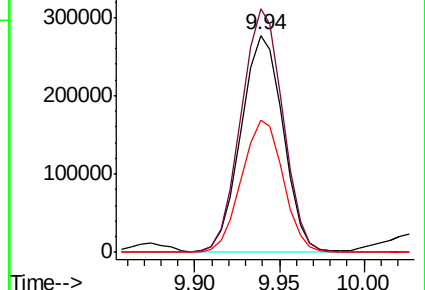
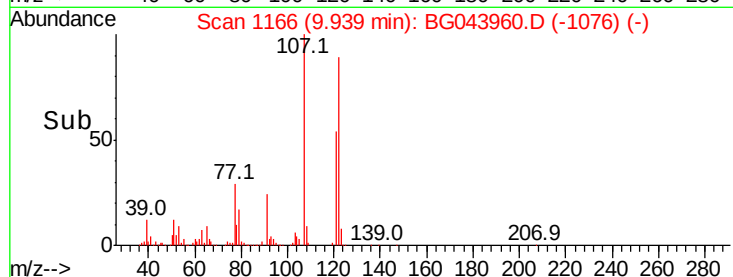
121 60.8 49.0 73.4



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: 41.993 ng

RT: 10.17 min Scan# 1205

Delta R.T. -0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

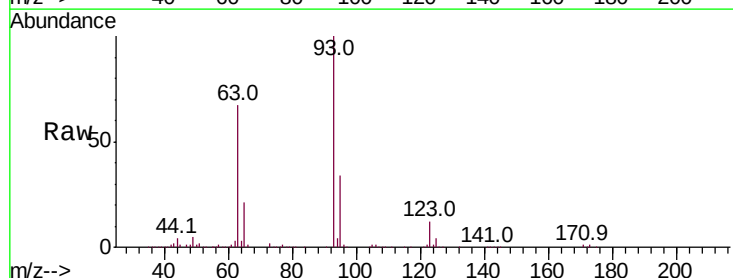
Tgt Ion: 93 Resp: 687116

Ion Ratio Lower Upper

93 100

95 34.0 27.2 40.8

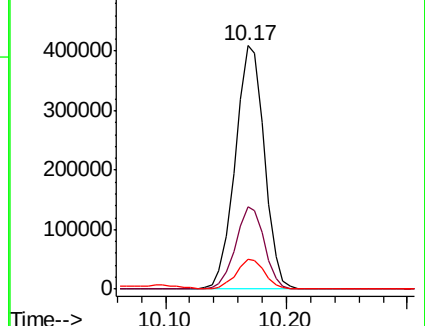
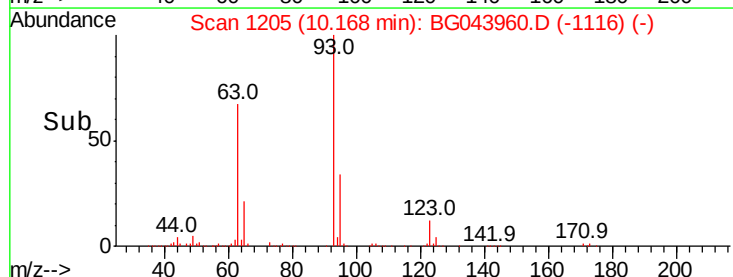
123 12.1 9.7 14.5

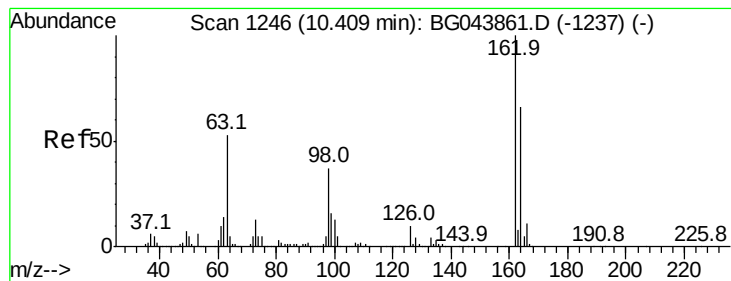


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 47.474 ng

RT: 10.41 min Scan# 1247

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampleId :

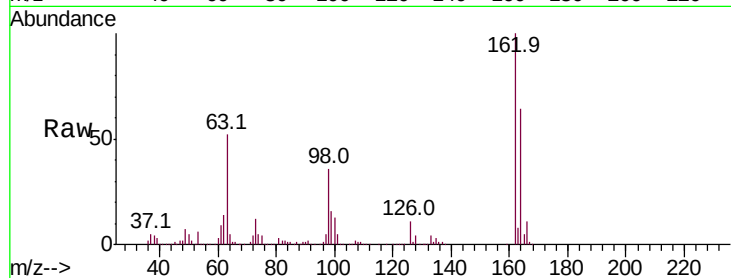
Tot Ion:162 Resp: 522553

Ion Ratio Lower Upper

162 100

164 64.4 46.3 86.3

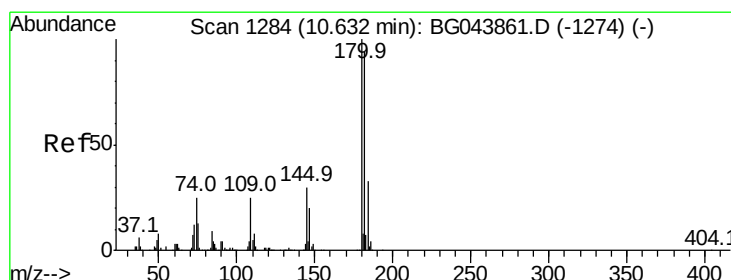
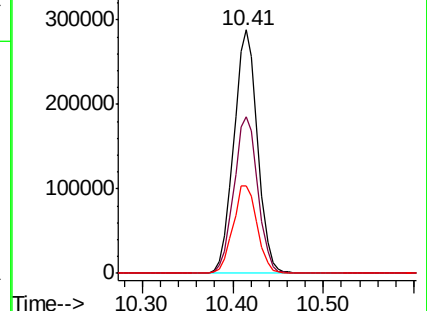
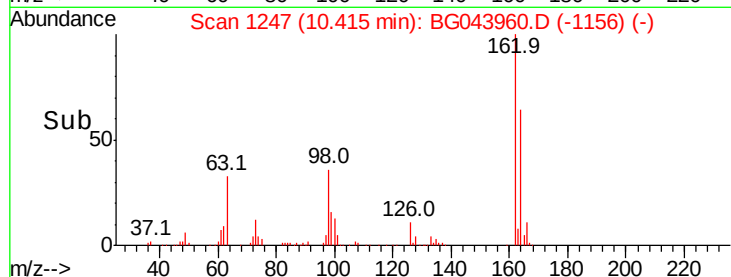
98 36.0 17.3 57.3



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: 45.054 ng

RT: 10.63 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

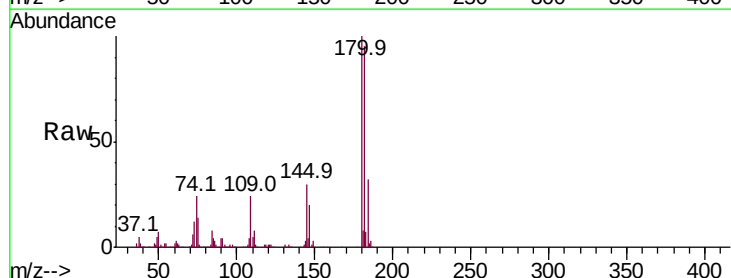
Tgt Ion:180 Resp: 556042

Ion Ratio Lower Upper

180 100

182 95.0 75.0 112.4

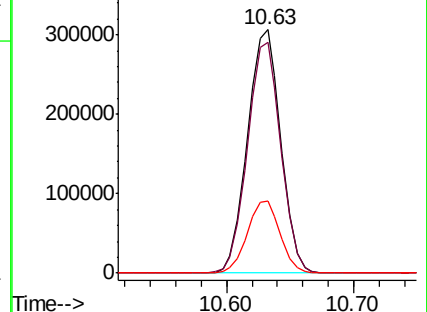
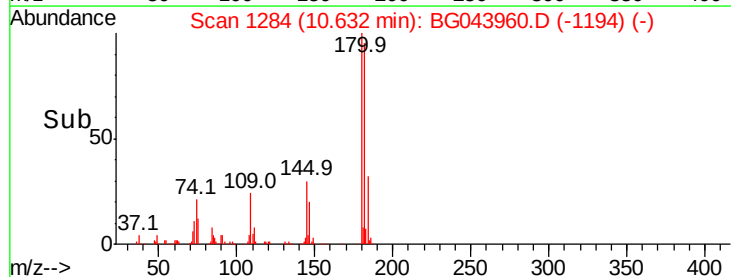
145 29.6 24.2 36.4

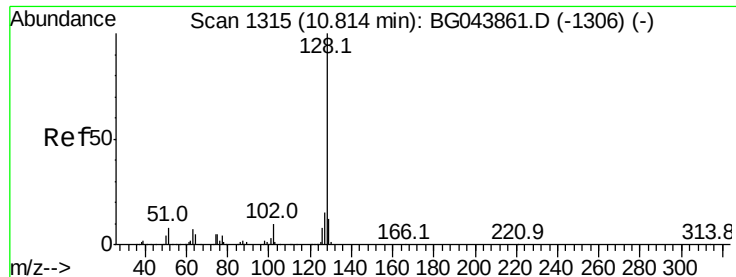


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

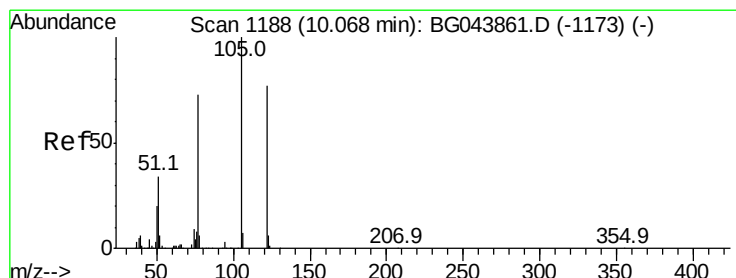
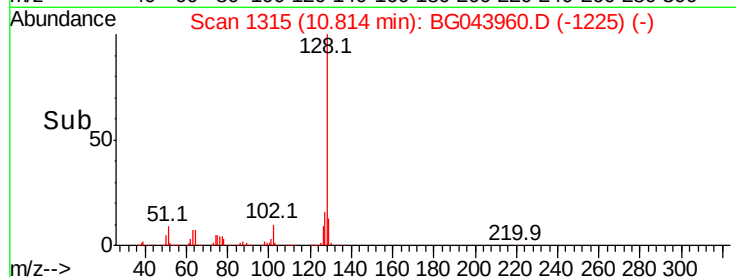
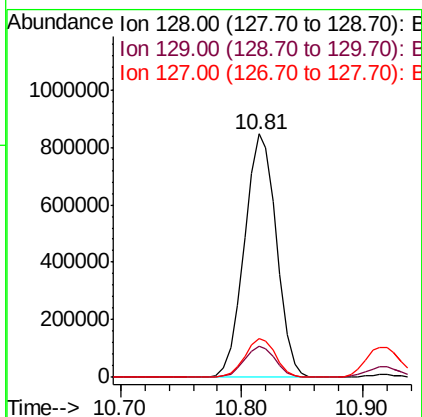
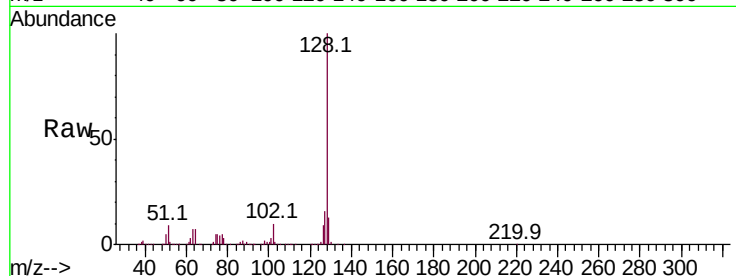




#31
Naphthalene
Concen: 46.014 ng
RT: 10.81 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

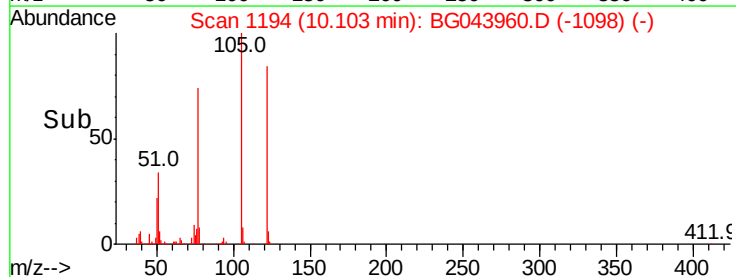
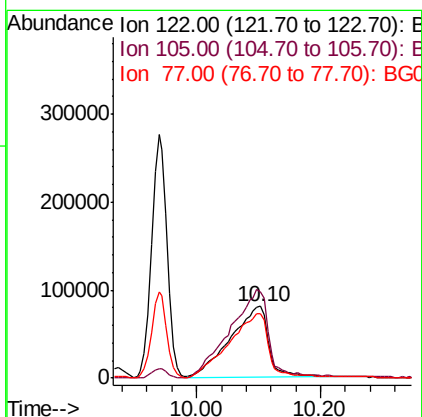
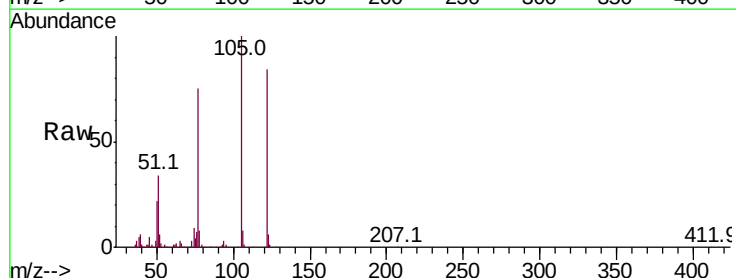
Instrument :
BNA_G
ClientSampleId :

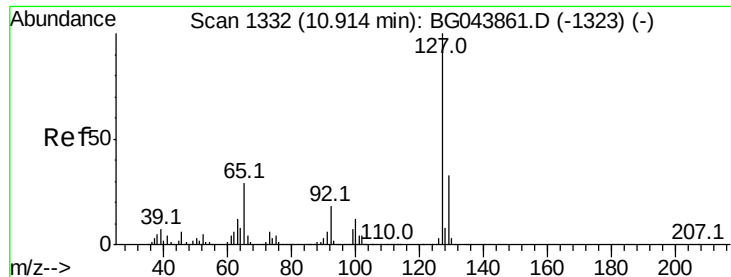
Tot Ion:128 Resp: 1558327
Ion Ratio Lower Upper
128 100
129 12.7 9.8 14.6
127 15.8 12.0 18.0



#32
Benzoic acid
Concen: 46.560 ng
RT: 10.10 min Scan# 1194
Delta R.T. 0.04 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Tgt Ion:122 Resp: 348261
Ion Ratio Lower Upper
122 100
105 119.7 106.4 146.4
77 89.5 74.6 114.6

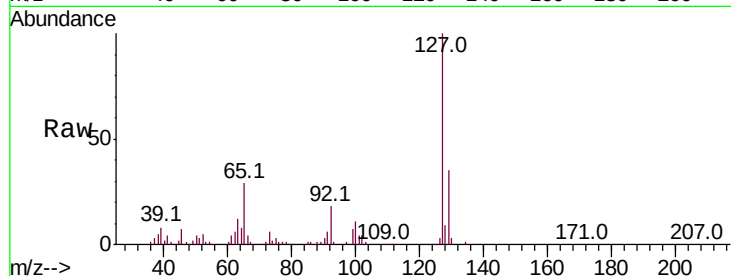




#33
4-Chloroaniline
Concen: 13.575 ng
RT: 10.91 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
127	100		
129	34.5	26.6	40.0
65	28.7	23.3	34.9
92	18.3	14.7	22.1



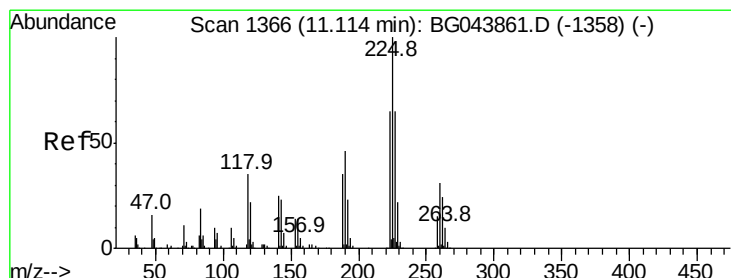
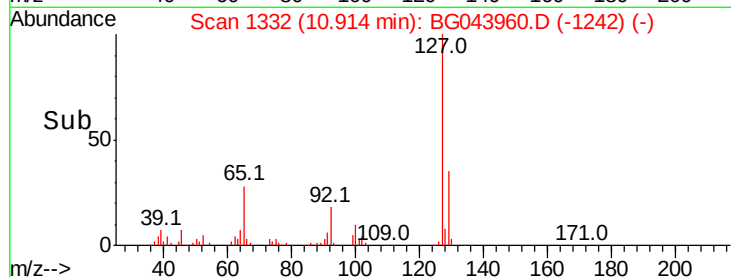
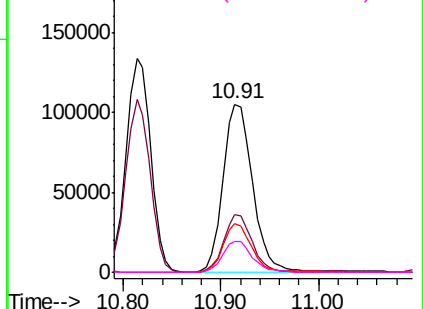
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

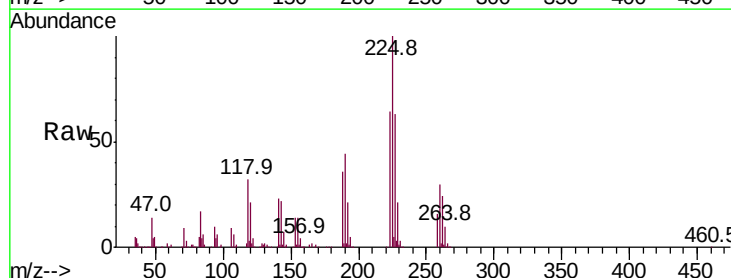
Ion 65.00 (64.70 to 65.70): BG

Ion 92.00 (91.70 to 92.70): BG



#34
Hexachlorobutadiene
Concen: 43.497 ng
RT: 11.11 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	52.2	78.4
227	62.7	52.1	78.1

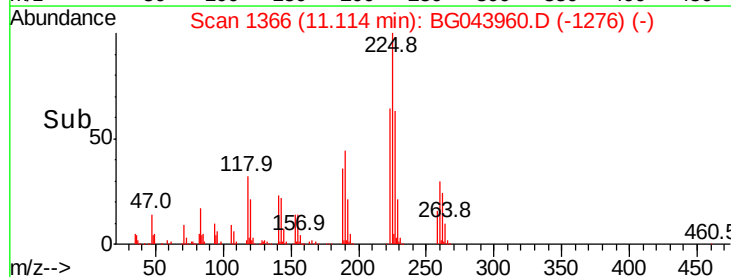
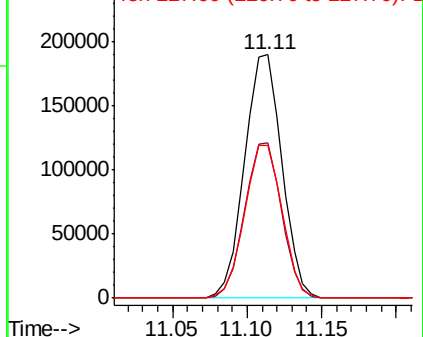


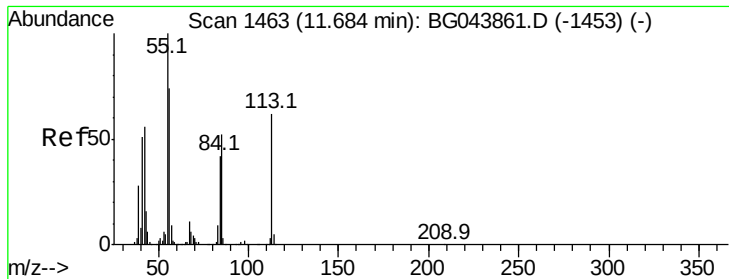
Abundance

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: 30.755 ng

RT: 11.70 min Scan# 1465

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampleId :

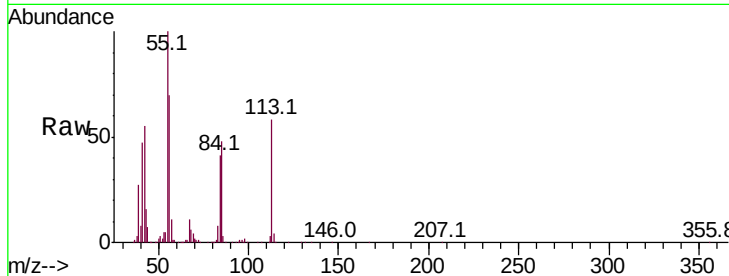
Tot Ion:113 Resp: 126019

Ion Ratio Lower Upper

113 100

55 173.0 142.5 182.5

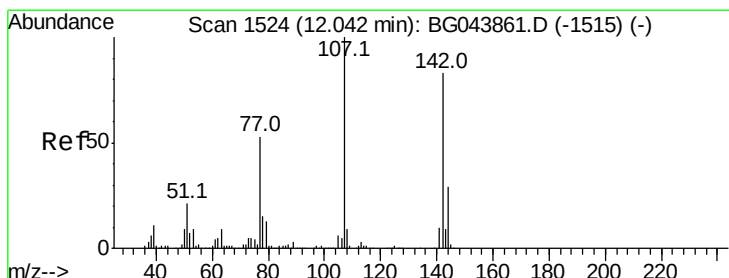
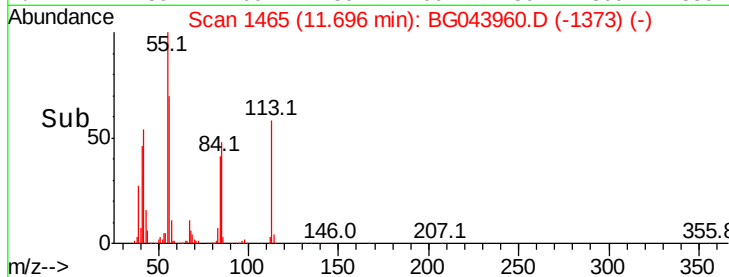
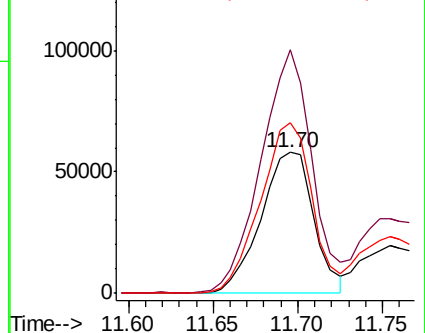
56 121.4 101.4 141.4



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: 46.504 ng

RT: 12.05 min Scan# 1526

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

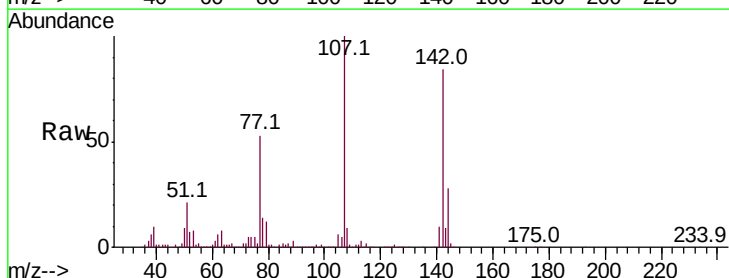
Tgt Ion:107 Resp: 544920

Ion Ratio Lower Upper

107 100

144 28.3 23.4 35.2

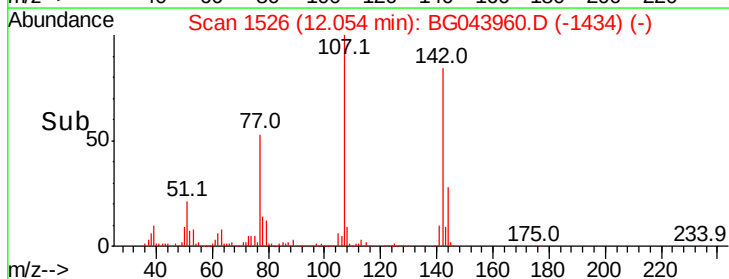
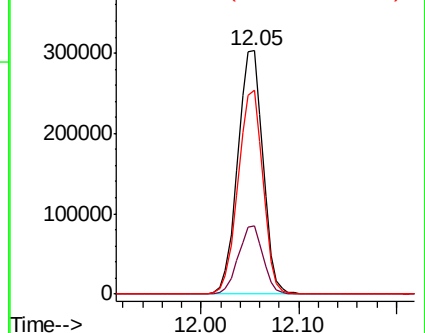
142 83.6 66.3 99.5

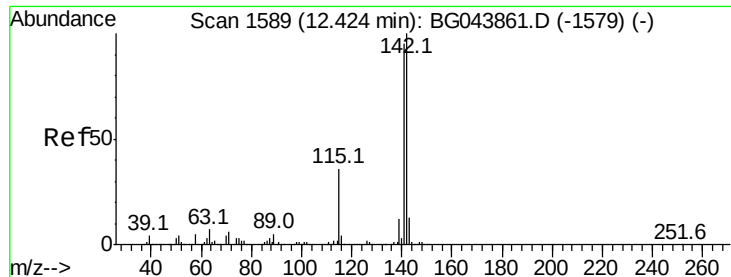


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

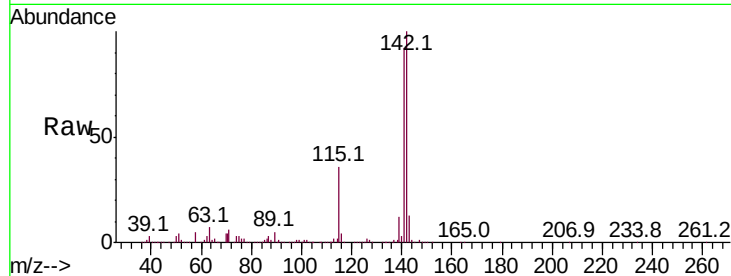




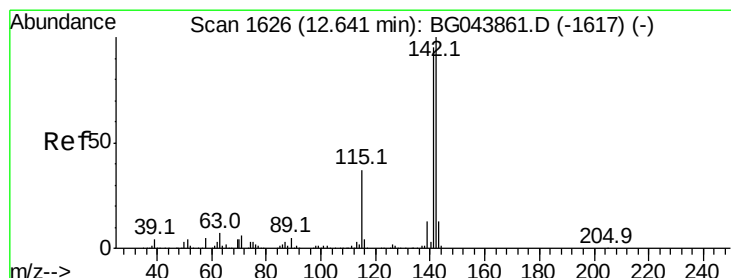
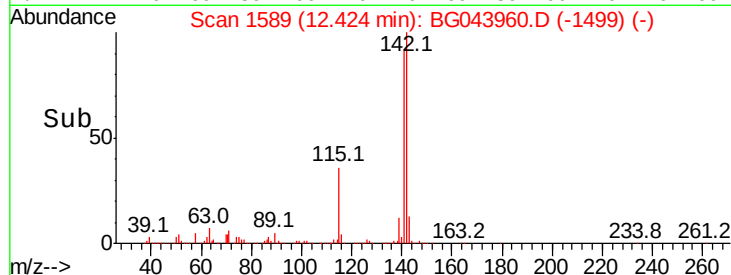
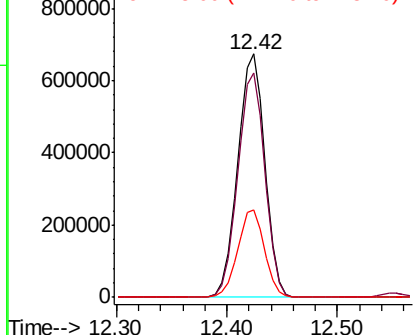
#37
2-Methylnaphthalene
Concen: 45.651 ng
RT: 12.42 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:142 Resp: 1163949
Ion Ratio Lower Upper
142 100
141 92.2 75.8 113.8
115 36.1 28.6 42.8

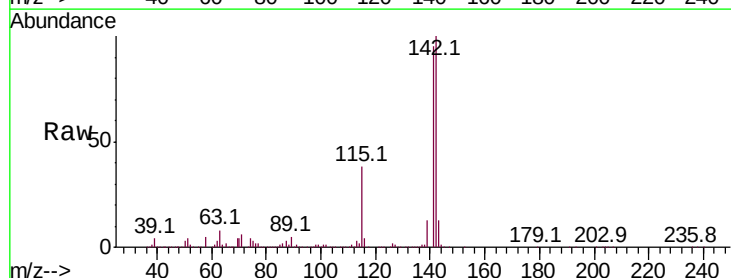


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

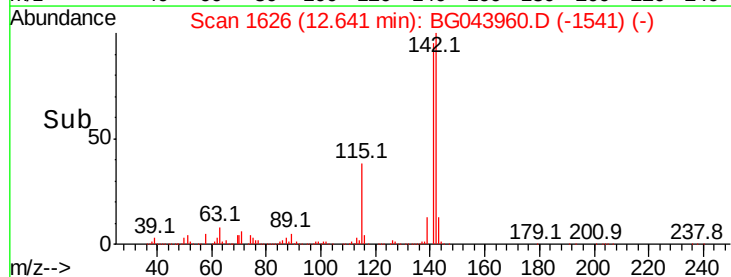
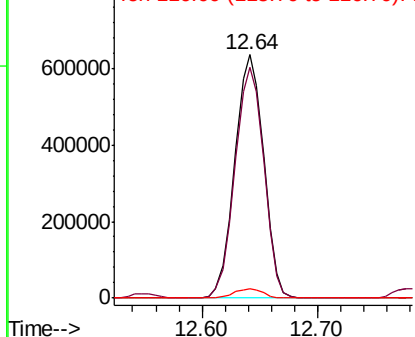


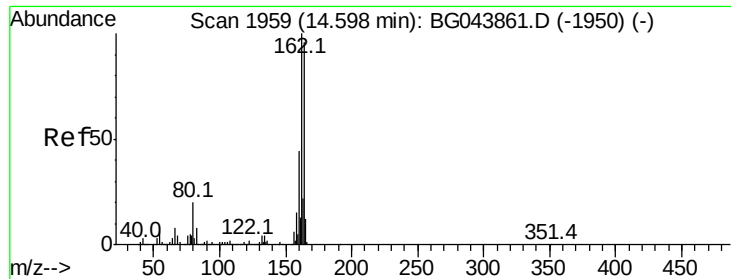
#38
1-Methylnaphthalene
Concen: 45.380 ng
RT: 12.64 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Tgt Ion:142 Resp: 1096611
Ion Ratio Lower Upper
142 100
141 94.9 76.0 114.0
116 3.9 3.1 4.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1959

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

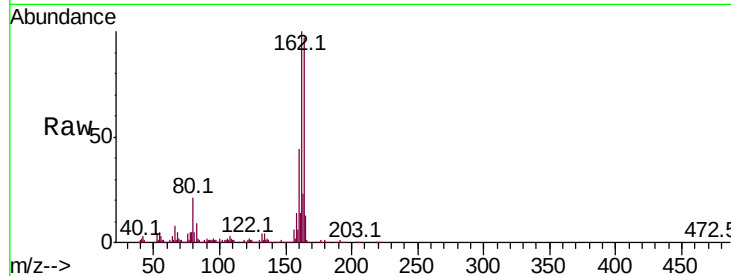
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 419910

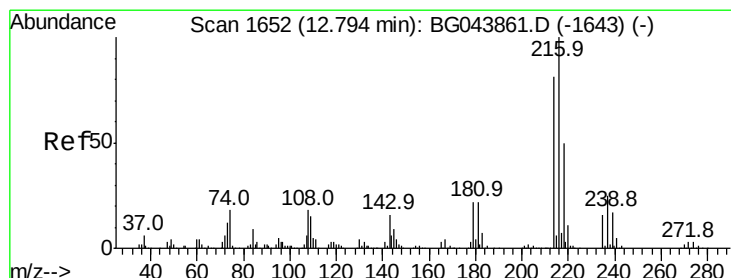
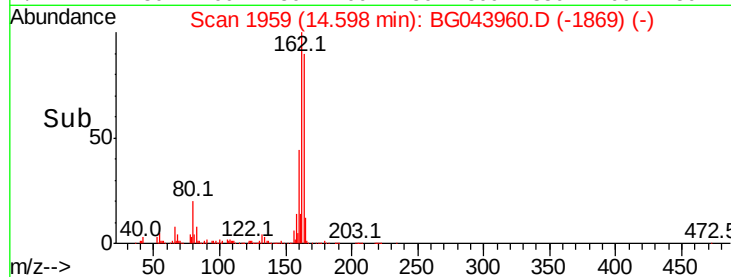
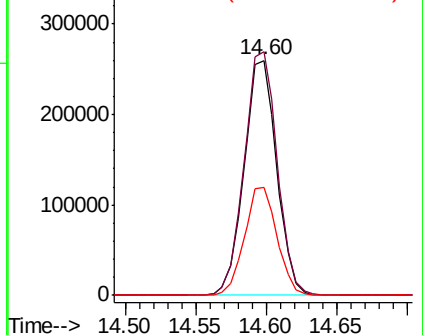
Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.0	124.4
160	46.1	36.1	54.1



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: 46.283 ng

RT: 12.79 min Scan# 1652

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Tgt Ion:216 Resp: 569634

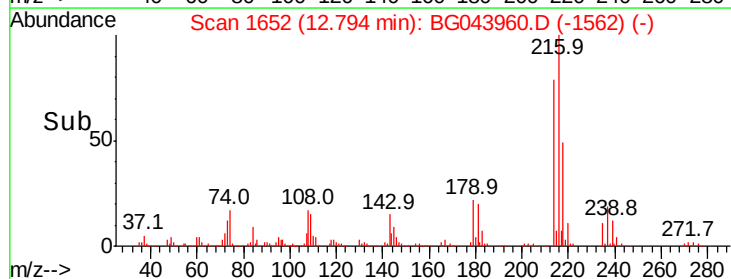
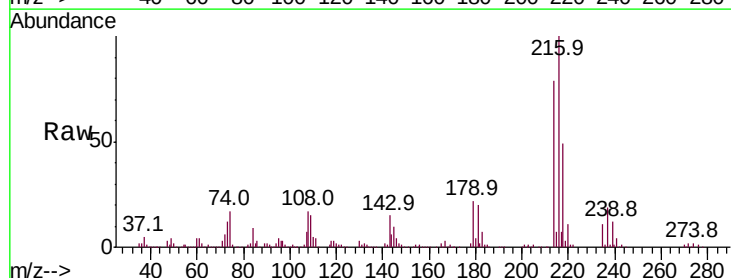
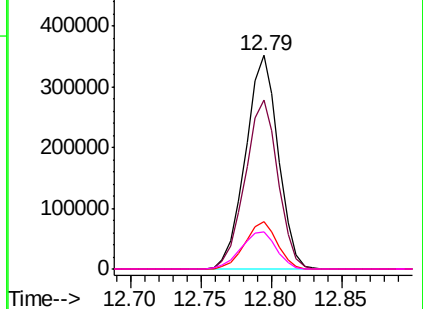
Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.8	95.8
179	21.9	17.3	25.9
108	18.9	15.3	22.9

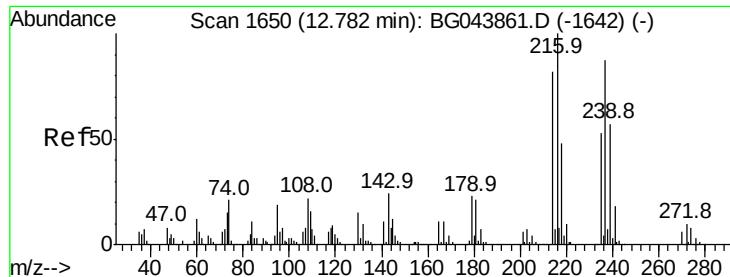
Abundance Ion 216.00 (215.70 to 216.70): E

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: 51.839 ng

RT: 12.78 min Scan# 1649

Delta R.T. -0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampled :

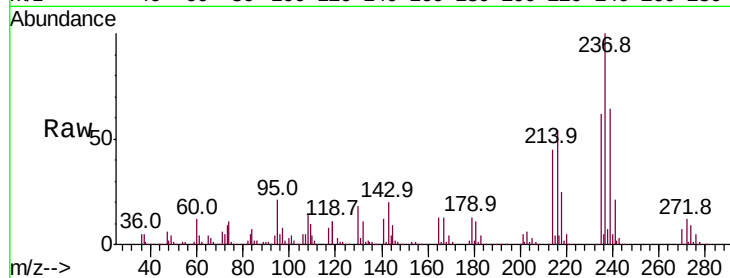
Tot Ion:237 Resp: 330771

Ion Ratio Lower Upper

237 100

235 62.2 41.1 81.1

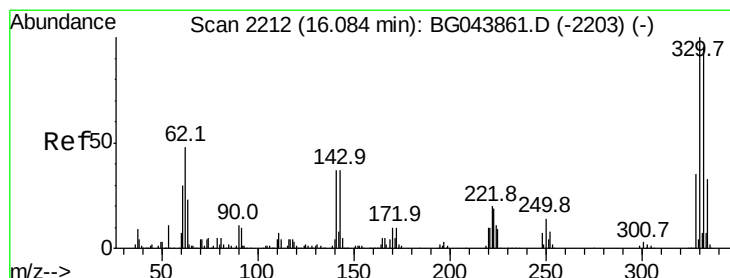
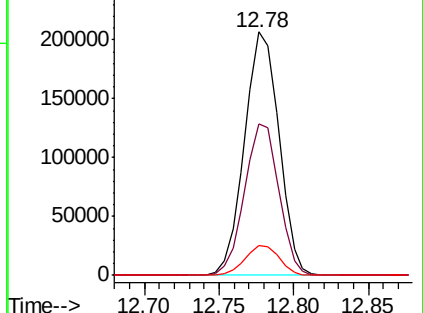
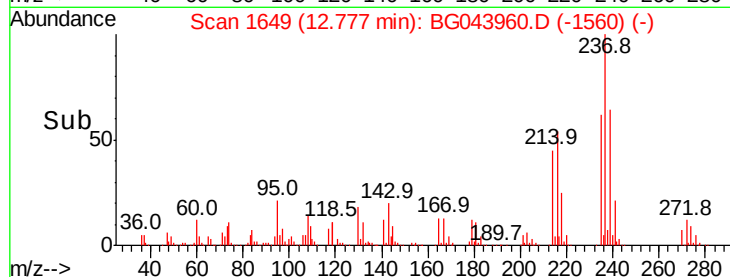
272 12.1 0.0 31.7



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: 82.273 ng

RT: 16.08 min Scan# 2212

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

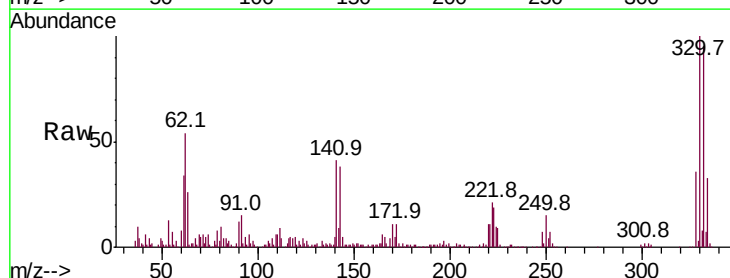
Tgt Ion:330 Resp: 361530

Ion Ratio Lower Upper

330 100

332 96.0 77.2 115.8

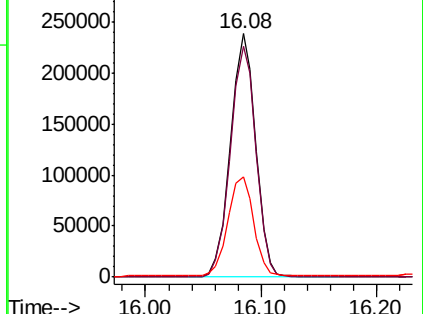
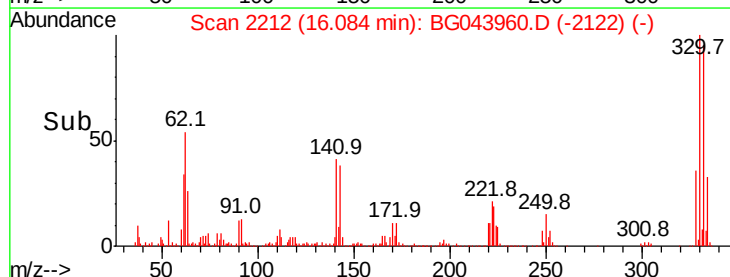
141 41.2 33.1 49.7

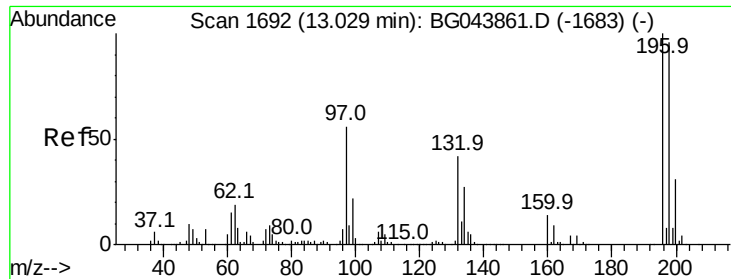


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

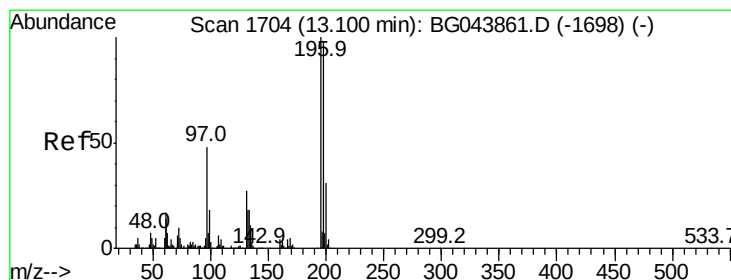
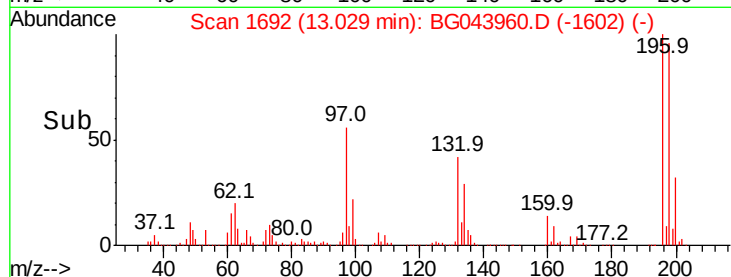
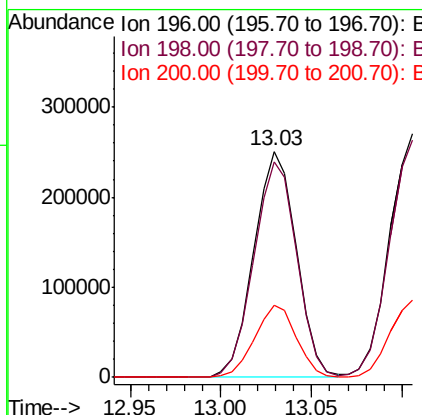
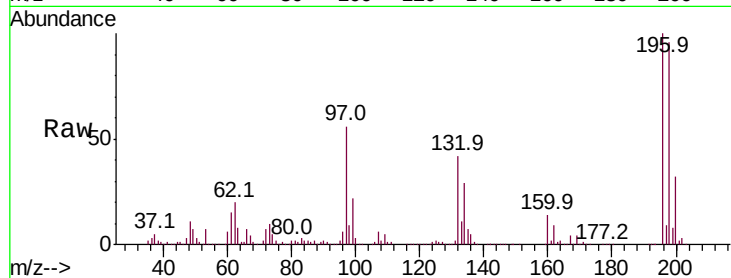




#43
 2,4,6-Trichlorophenol
 Concen: 48.209 ng
 RT: 13.03 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: BG043960.D
 Acq: 7 Jan 2020 18:53

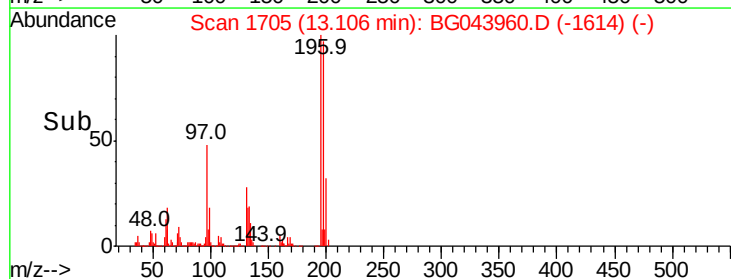
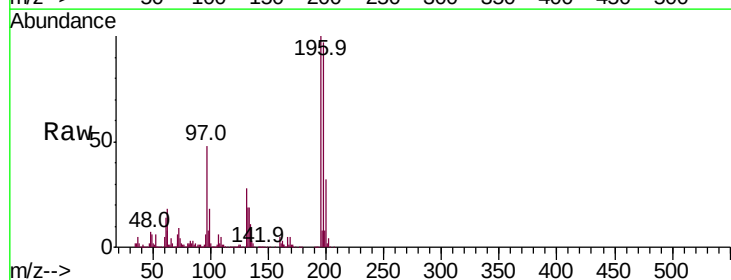
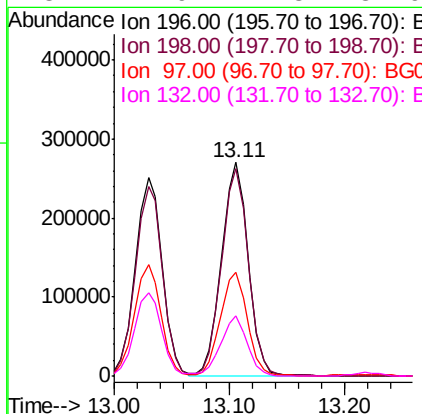
Instrument :
 BNA_G
 ClientSampleId :

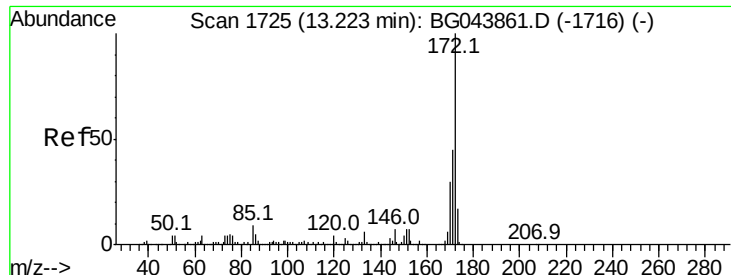
Tot Ion:196 Resp: 408263
 Ion Ratio Lower Upper
 196 100
 198 95.5 76.6 115.0
 200 32.1 24.6 37.0



#44
 2,4,5-Trichlorophenol
 Concen: 49.359 ng
 RT: 13.11 min Scan# 1705
 Delta R.T. 0.01 min
 Lab File: BG043960.D
 Acq: 7 Jan 2020 18:53

Tgt Ion:196 Resp: 431117
 Ion Ratio Lower Upper
 196 100
 198 97.4 78.3 117.5
 97 48.4 38.8 58.2
 132 27.9 21.3 31.9

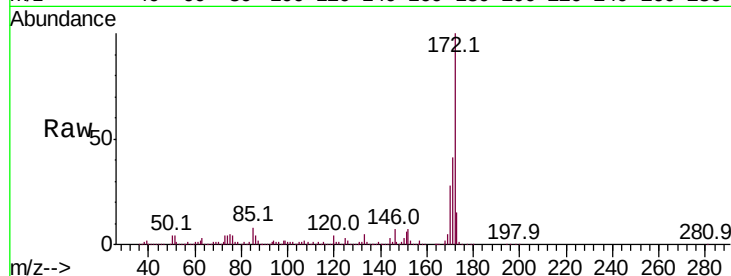




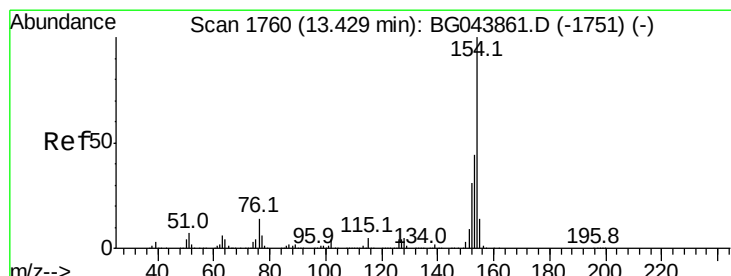
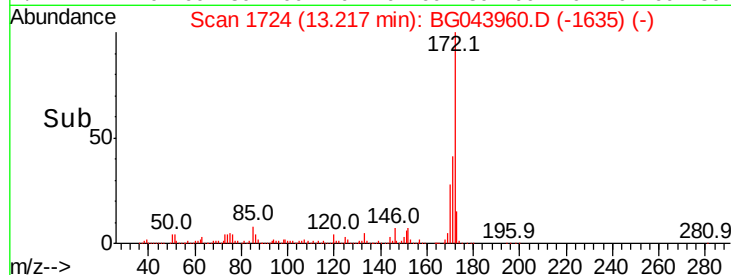
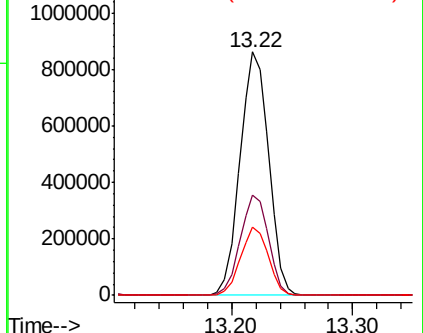
#45
2-Fluorobiphenyl
Concen: 61.479 ng
RT: 13.22 min Scan# 1724
Delta R.T. -0.01 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 1424882
Ion Ratio Lower Upper
172 100
171 41.1 35.8 53.8
170 28.0 24.2 36.4

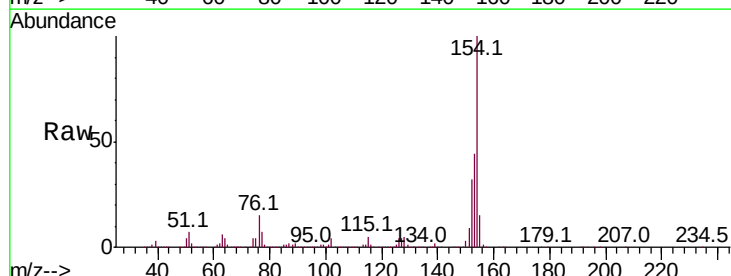


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

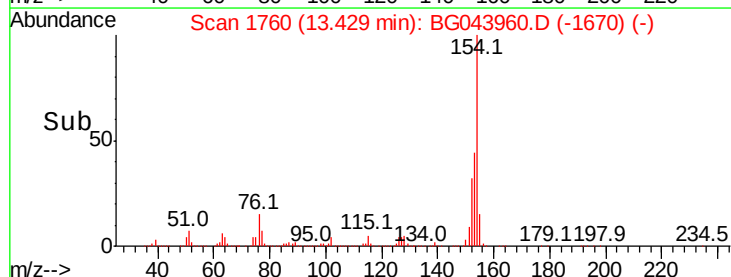
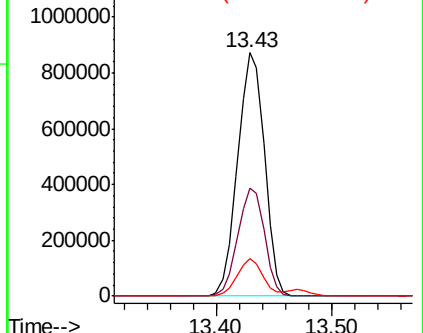


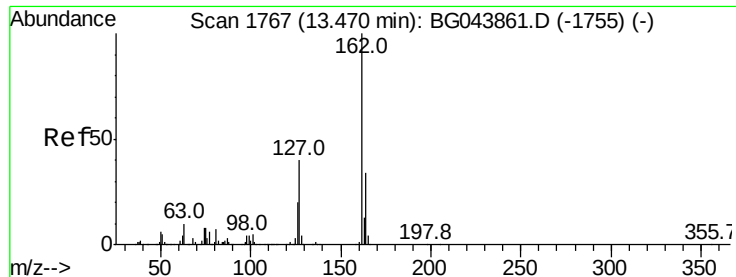
#46
1,1'-Biphenyl
Concen: 46.682 ng
RT: 13.43 min Scan# 1760
Delta R.T. 0.00 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Tgt Ion:154 Resp: 1405463
Ion Ratio Lower Upper
154 100
153 44.4 23.6 63.6
76 15.3 0.0 34.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BG

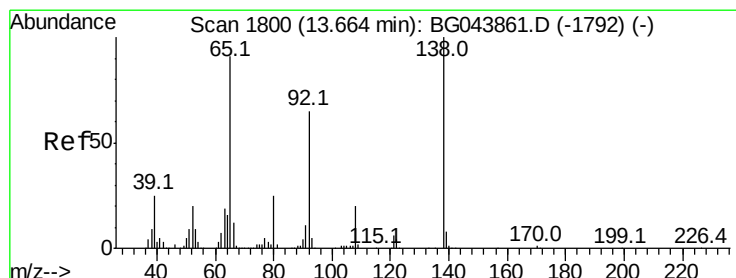
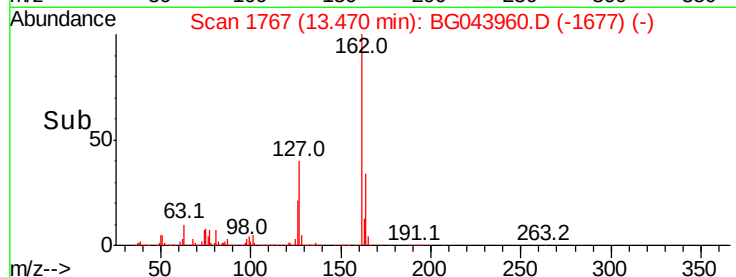
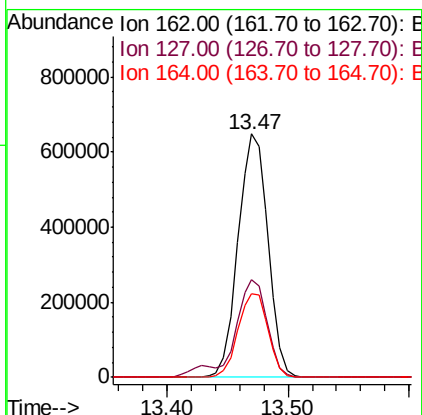
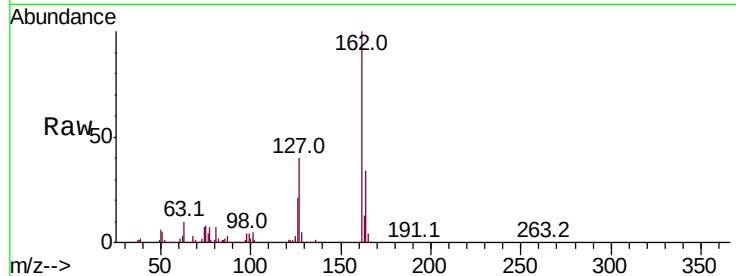




#47
 2-Chloronaphthalene
 Concen: 45.762 ng
 RT: 13.47 min Scan# 1767
 Delta R.T. 0.00 min
 Lab File: BG043960.D
 Acq: 7 Jan 2020 18:53

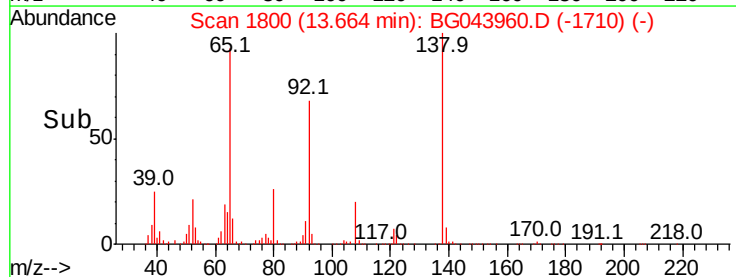
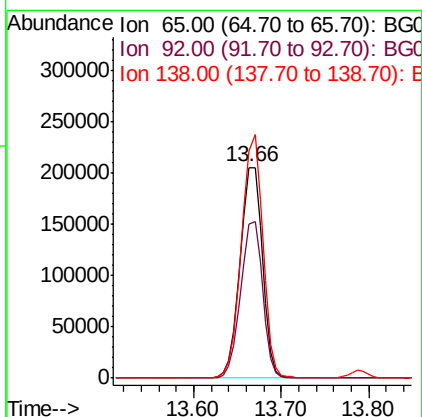
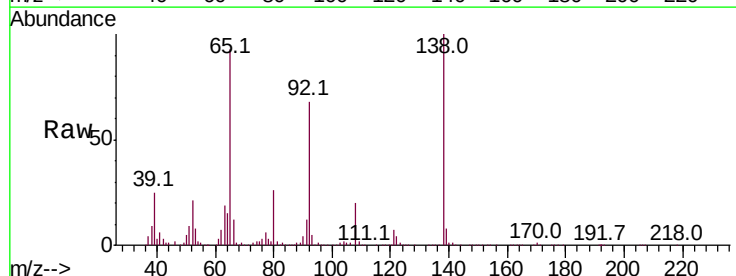
Instrument :
 BNA_G
 ClientSampleId :

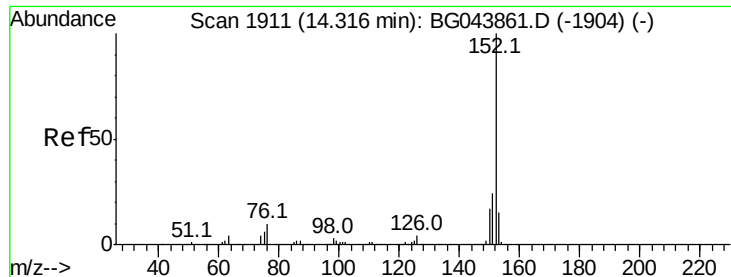
Tot Ion:162 Resp: 1113312
 Ion Ratio Lower Upper
 162 100
 127 40.0 32.1 48.1
 164 34.4 27.5 41.3



#48
 2-Nitroaniline
 Concen: 44.938 ng
 RT: 13.66 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: BG043960.D
 Acq: 7 Jan 2020 18:53

Tgt Ion: 65 Resp: 351669
 Ion Ratio Lower Upper
 65 100
 92 73.5 57.4 86.2
 138 107.5 88.2 132.4





#49

Acenaphthylene

Concen: 47.622 ng

RT: 14.32 min Scan# 1911

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampleId :

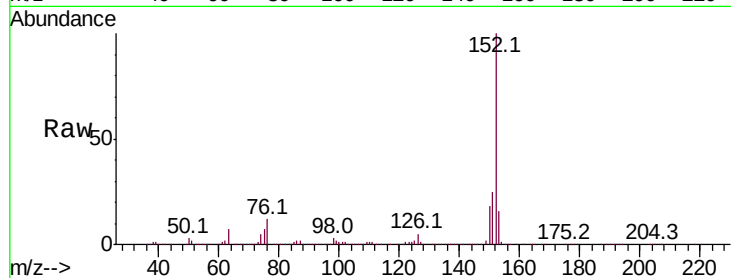
Tot Ion:152 Resp: 1665218

Ion Ratio Lower Upper

152 100

151 25.0 19.4 29.2

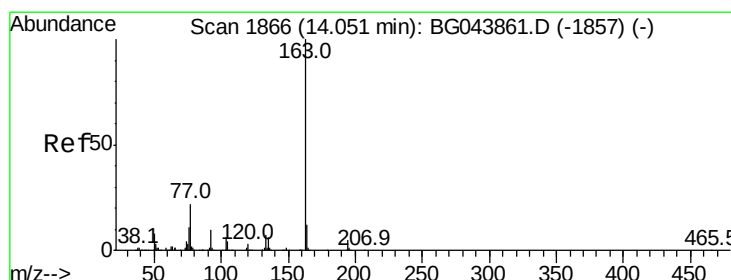
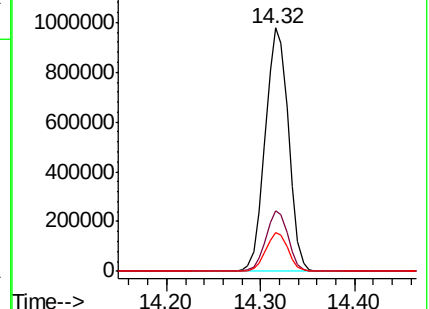
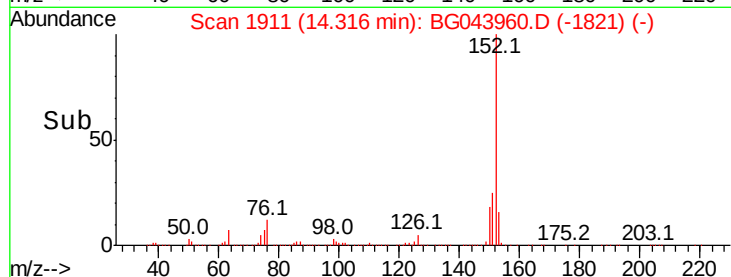
153 15.9 12.0 18.0



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: 46.438 ng

RT: 14.05 min Scan# 1866

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

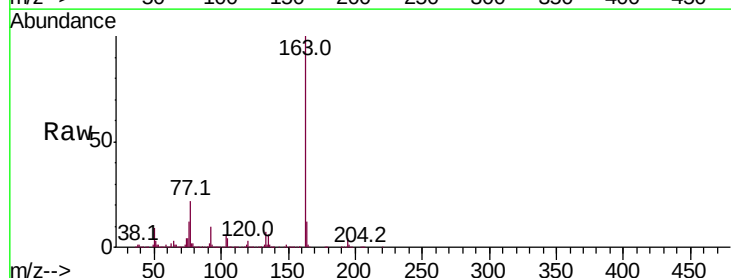
Tgt Ion:163 Resp: 1384576

Ion Ratio Lower Upper

163 100

194 4.3 3.7 5.5

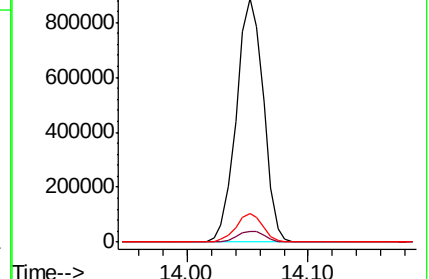
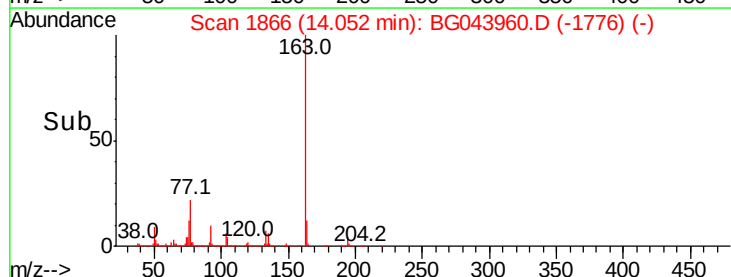
164 12.0 9.3 13.9

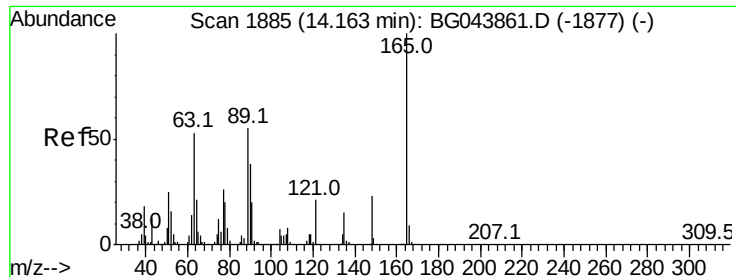


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

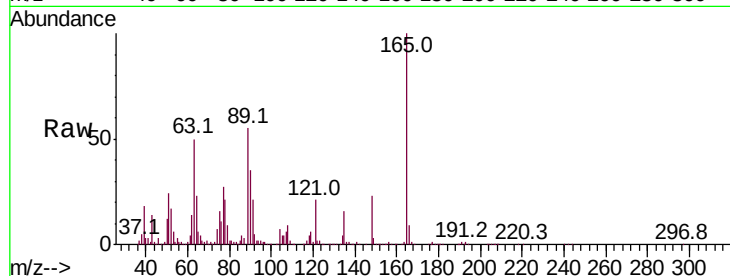




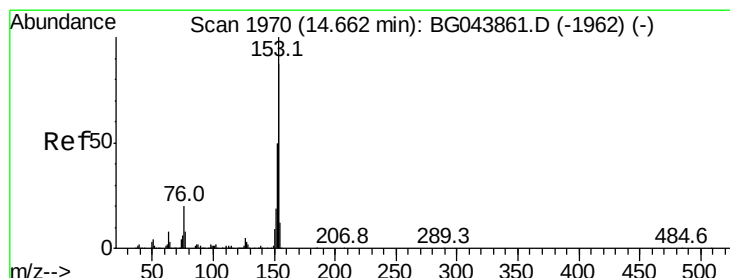
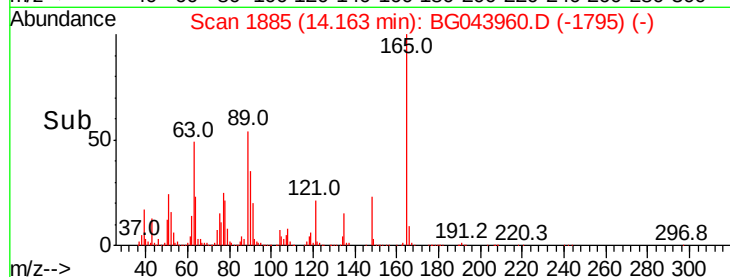
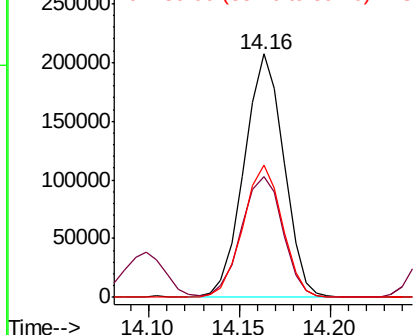
#51
2,6-Dinitrotoluene
Concen: 46.602 ng
RT: 14.16 min Scan# 1885
Delta R.T. 0.00 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	49.6	43.1	64.7
89	54.5	43.8	65.6

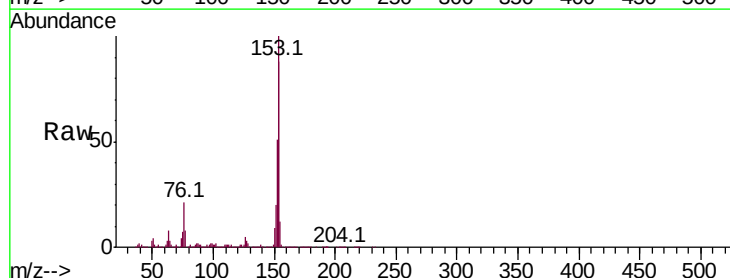


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG

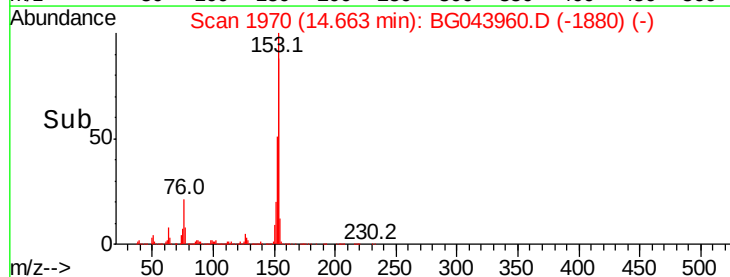
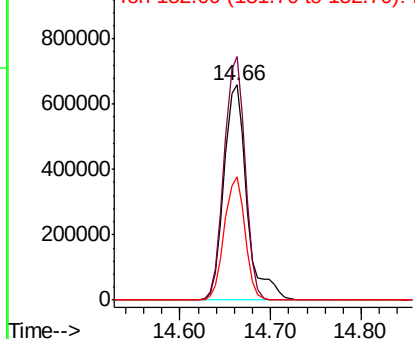


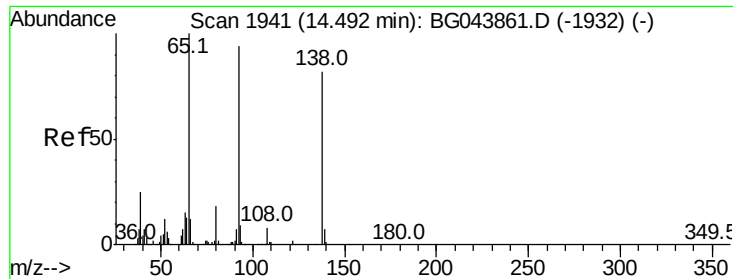
#52
Acenaphthene
Concen: 47.032 ng
RT: 14.66 min Scan# 1970
Delta R.T. 0.00 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.1	91.6	137.4
152	57.5	45.4	68.0



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

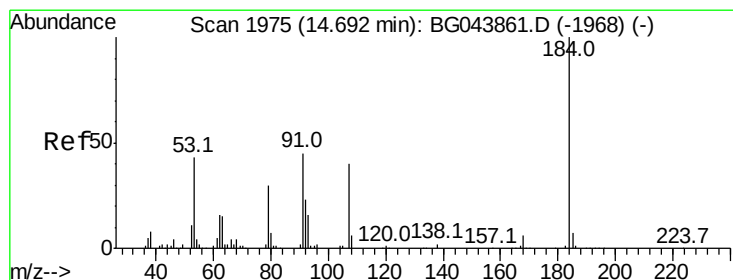
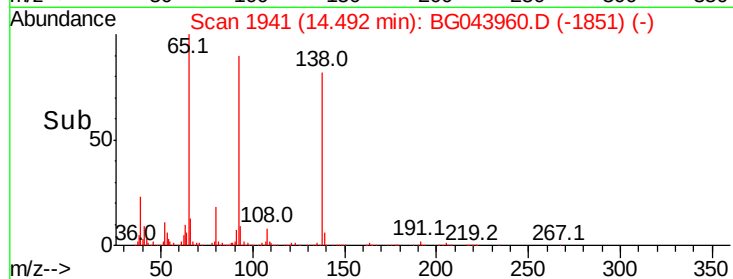
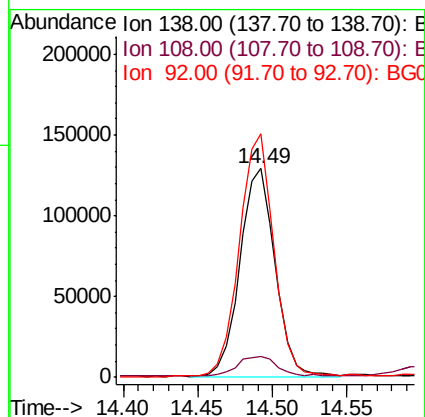
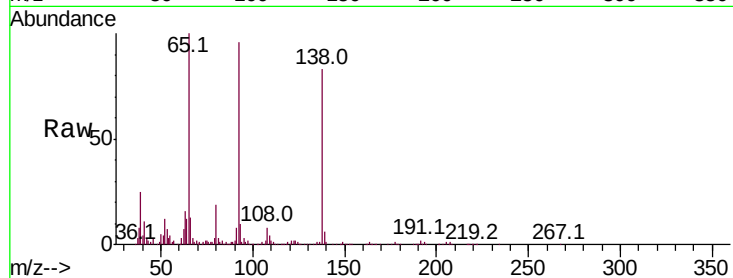




#53
 3-Nitroaniline
 Concen: 27.302 ng
 RT: 14.49 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: BG043960.D
 Acq: 7 Jan 2020 18:53

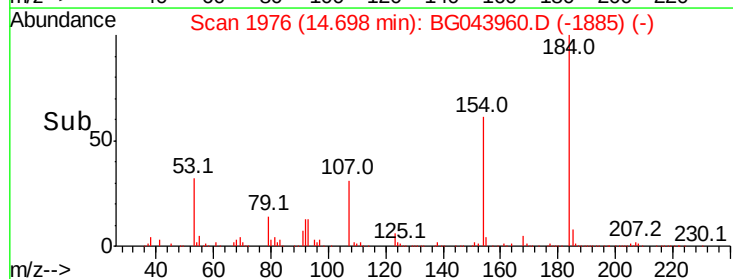
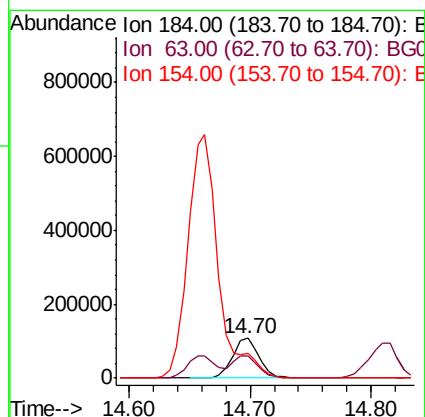
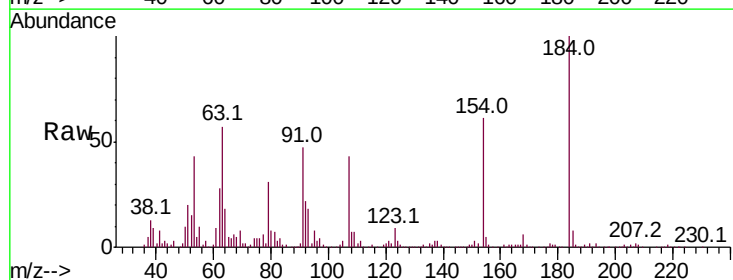
Instrument :
 BNA_G
 ClientSampleId :

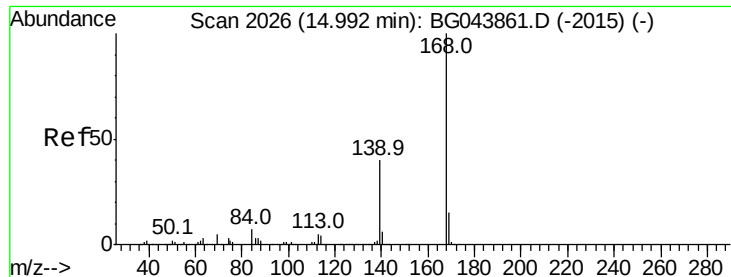
Tot Ion:138 Resp: 208935
 Ion Ratio Lower Upper
 138 100
 108 10.3 7.4 11.2
 92 116.7 92.1 138.1



#54
 2,4-Dinitrophenol
 Concen: 50.610 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.01 min
 Lab File: BG043960.D
 Acq: 7 Jan 2020 18:53

Tgt Ion:184 Resp: 166328
 Ion Ratio Lower Upper
 184 100
 63 56.6 46.6 70.0
 154 61.2 50.2 75.4

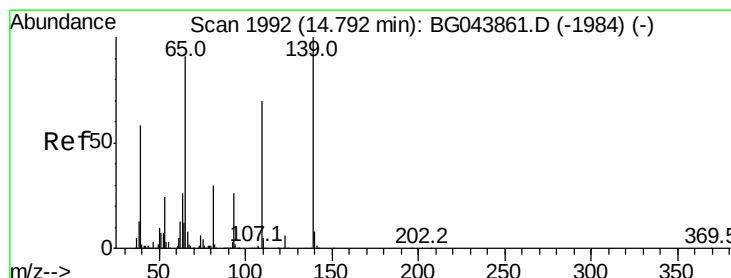
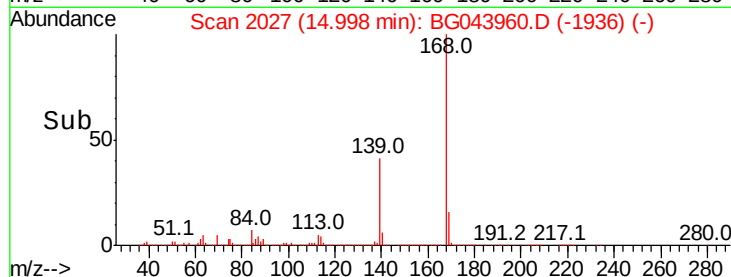
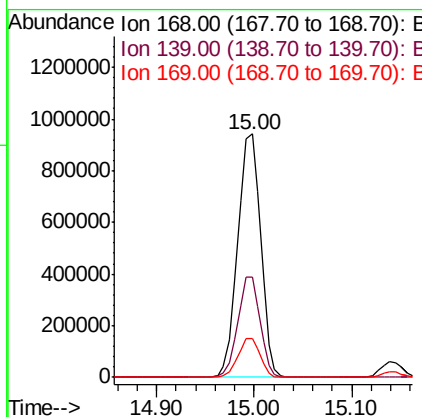
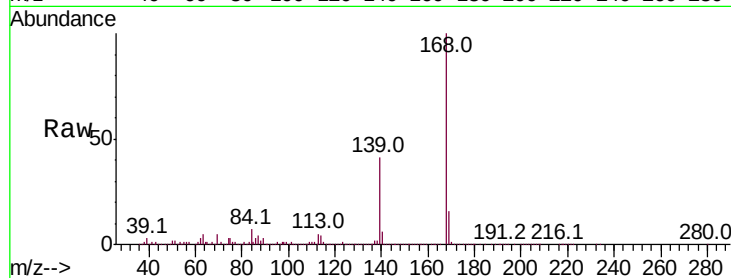




#55
Dibenzenofuran
Concen: 45.664 ng
RT: 15.00 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

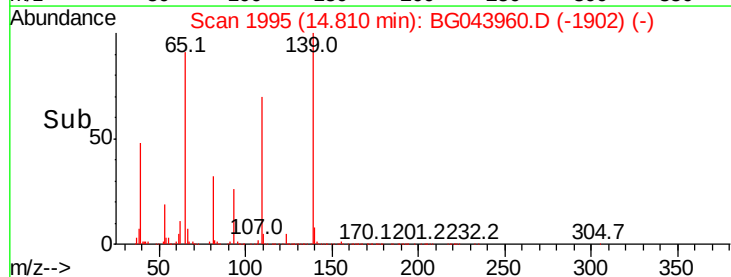
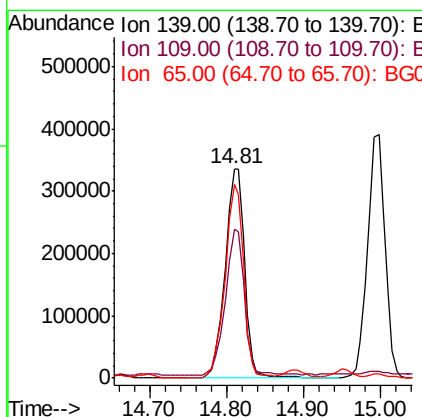
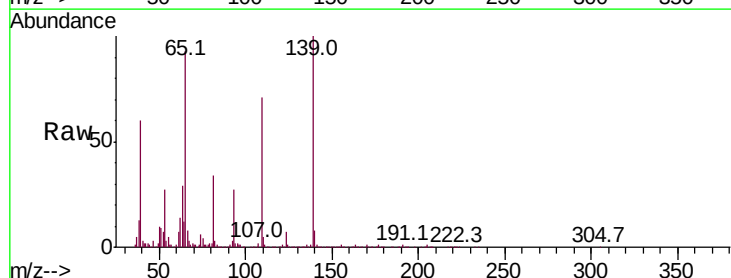
Instrument :
BNA_G
ClientSampleId :

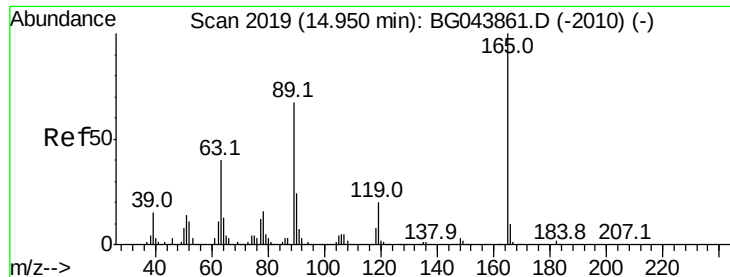
Tot Ion:168 Resp: 1541478
Ion Ratio Lower Upper
168 100
139 41.4 32.2 48.2
169 15.9 12.2 18.2



#56
4-Nitrophenol
Concen: 100.656 ng
RT: 14.81 min Scan# 1995
Delta R.T. 0.02 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Tgt Ion:139 Resp: 590276
Ion Ratio Lower Upper
139 100
109 71.2 50.4 90.4
65 92.6 71.4 111.4

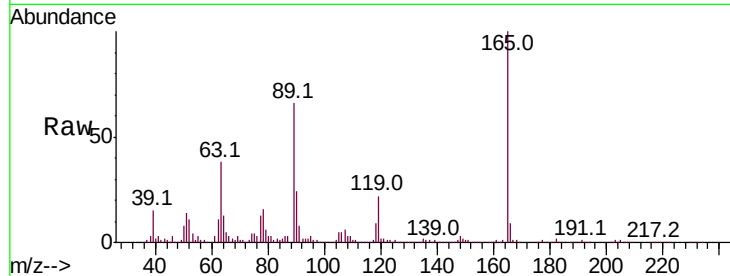




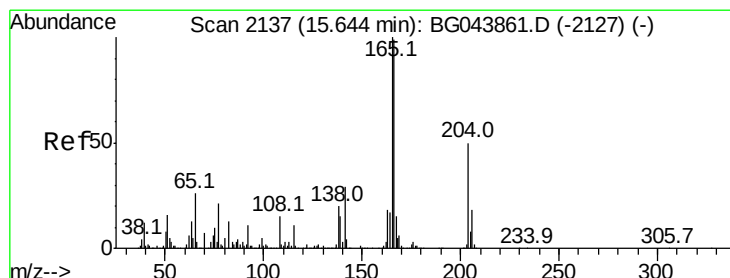
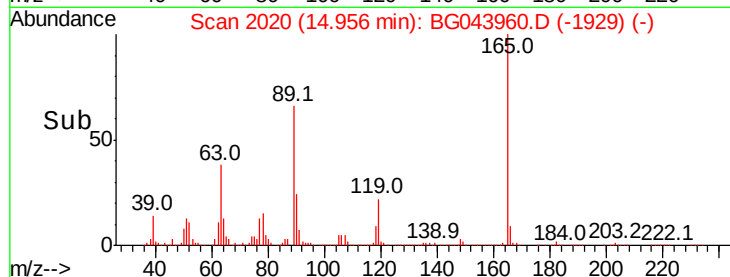
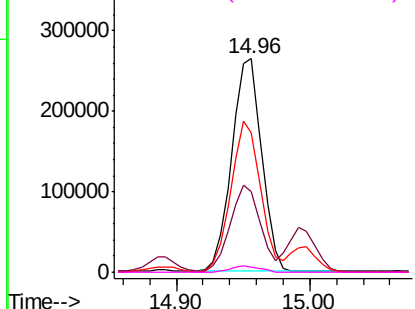
#57
 2,4-Dinitrotoluene
 Concen: 45.324 ng
 RT: 14.96 min Scan# 2020
 Delta R.T. 0.01 min
 Lab File: BG043960.D
 Acq: 7 Jan 2020 18:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 415609
 Ion Ratio Lower Upper
 165 100
 63 38.1 31.9 47.9
 89 65.6 53.8 80.6
 182 2.3 2.0 3.0

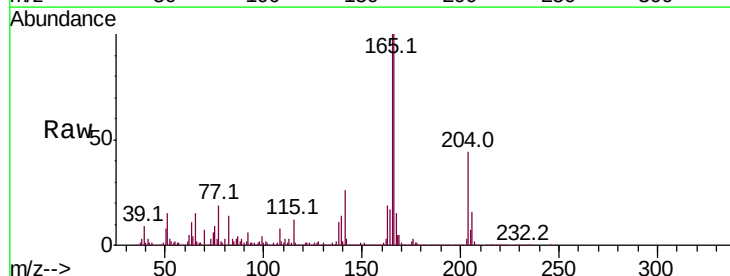


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

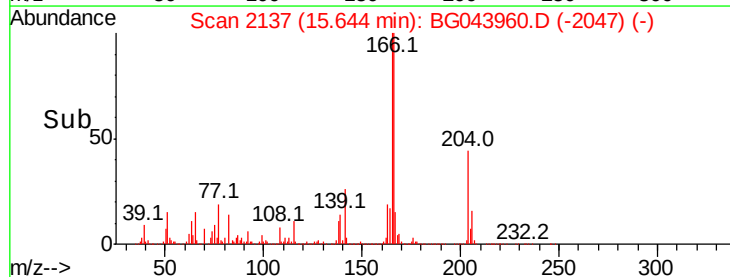
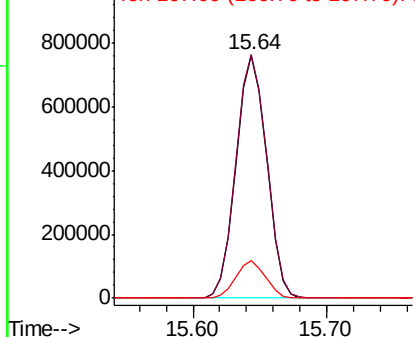


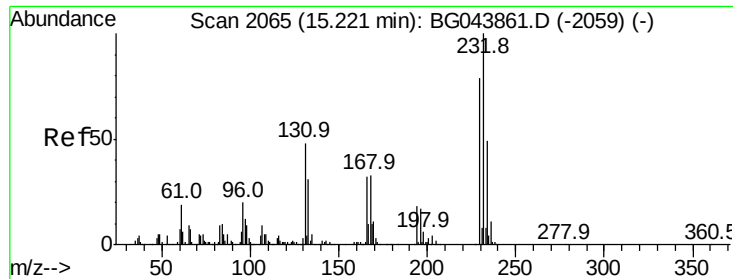
#58
 Fluorene
 Concen: 44.943 ng
 RT: 15.64 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: BG043960.D
 Acq: 7 Jan 2020 18:53

Tgt Ion:166 Resp: 1202504
 Ion Ratio Lower Upper
 166 100
 165 100.3 80.8 121.2
 167 15.5 12.1 18.1



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: 46.610 ng

RT: 15.22 min Scan# 2065

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampleId :

Tot Ion:232 Resp: 350065

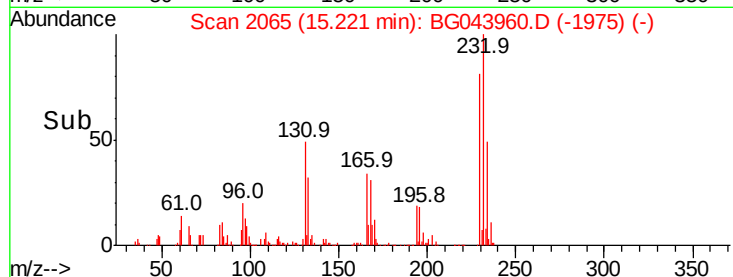
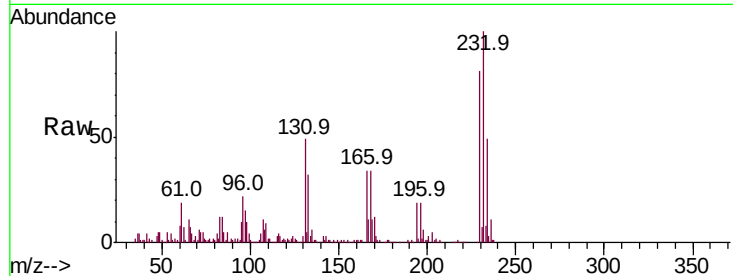
Ion Ratio Lower Upper

232 100

131 47.3 38.2 57.2

130 2.6 2.2 3.2

166 32.8 26.4 39.6

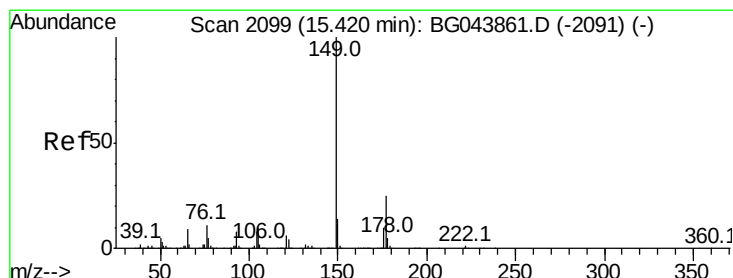
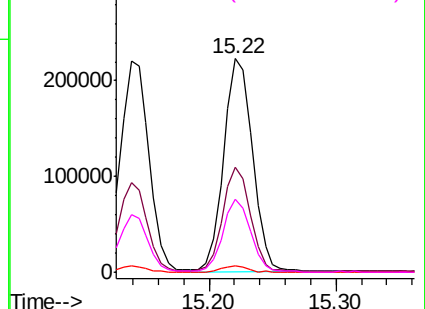


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 43.290 ng

RT: 15.42 min Scan# 2099

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

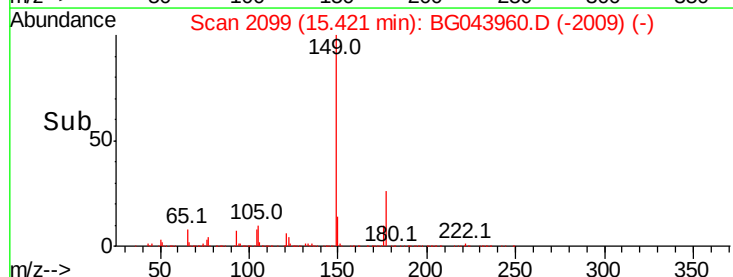
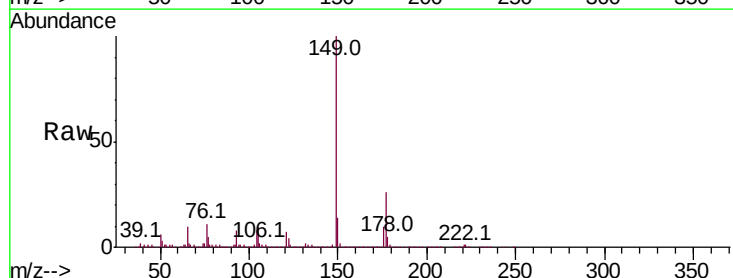
Tgt Ion:149 Resp: 1290959

Ion Ratio Lower Upper

149 100

177 25.9 20.0 30.0

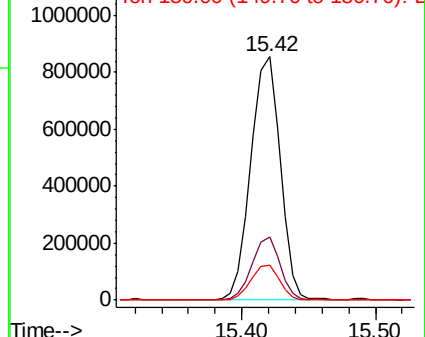
150 14.4 11.1 16.7

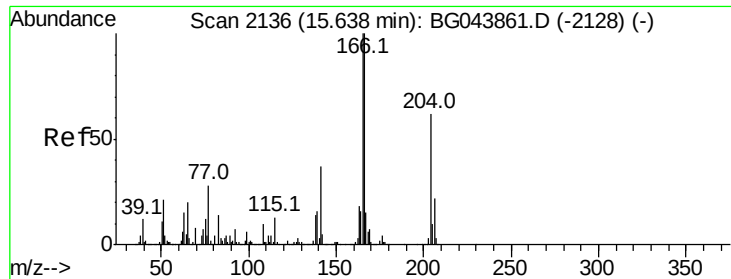


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

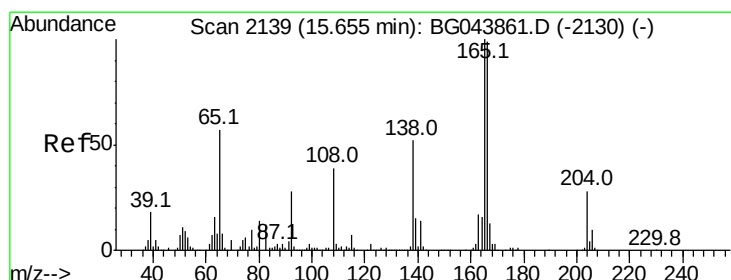
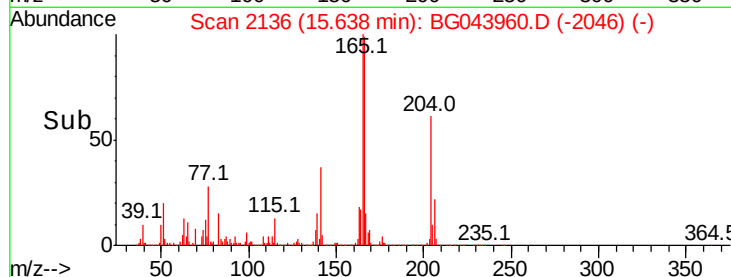
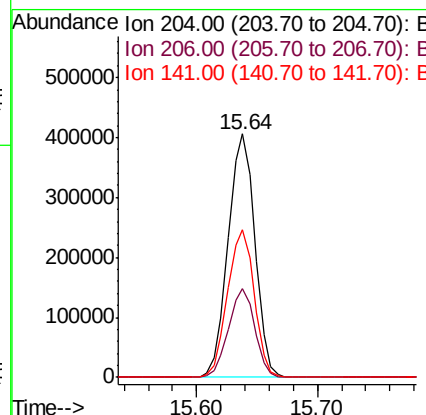
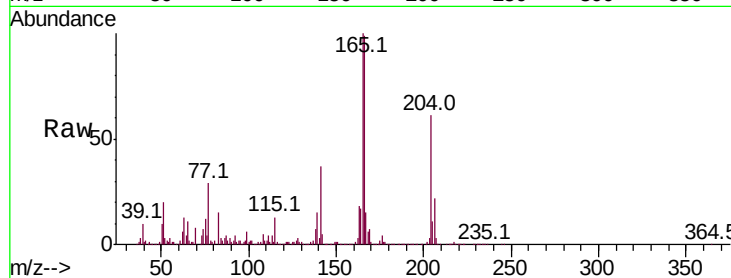




#61
4-Chlorophenyl-phenylether
Concen: 42.802 ng
RT: 15.64 min Scan# 2136
Delta R.T. 0.00 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

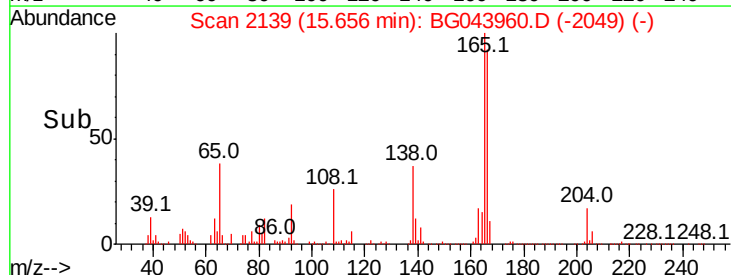
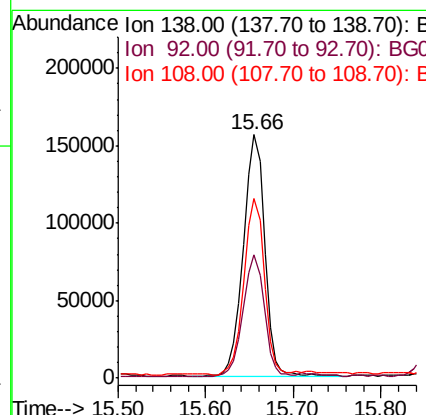
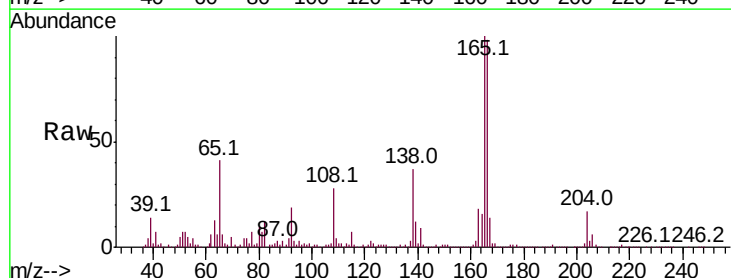
Instrument :
BNA_G
ClientSampled :

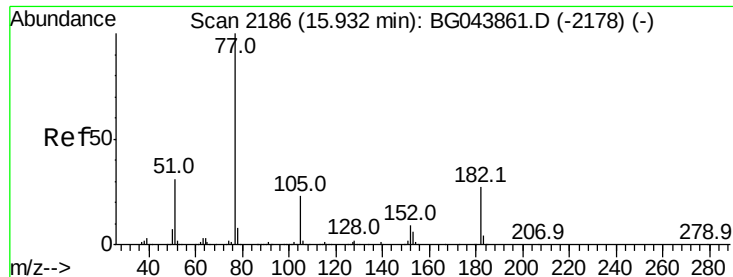
Tot Ion:204 Resp: 621843
Ion Ratio Lower Upper
204 100
206 36.5 28.2 42.2
141 60.8 48.2 72.2



#62
4-Nitroaniline
Concen: 34.066 ng
RT: 15.66 min Scan# 2139
Delta R.T. 0.00 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Tgt Ion:138 Resp: 257443
Ion Ratio Lower Upper
138 100
92 50.7 34.3 74.3
108 73.5 55.0 95.0





#63

Azobenzene

Concen: 44.661 ng

RT: 15.93 min Scan# 2186

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 1235151

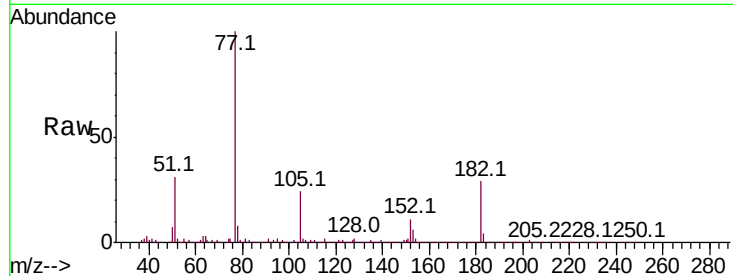
Ion	Ratio	Lower	Upper
77	100		
182	29.0	7.3	47.3
105	24.5	3.2	43.2
51	31.1	10.6	50.6

77 100

182 29.0 7.3 47.3

105 24.5 3.2 43.2

51 31.1 10.6 50.6



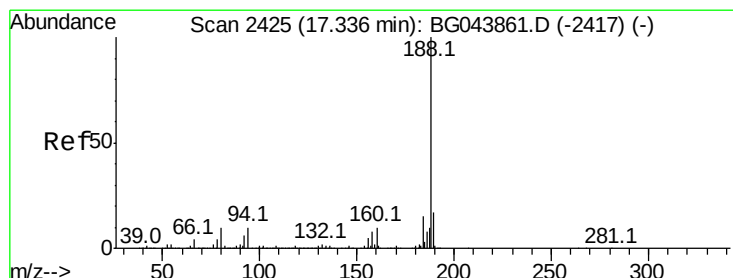
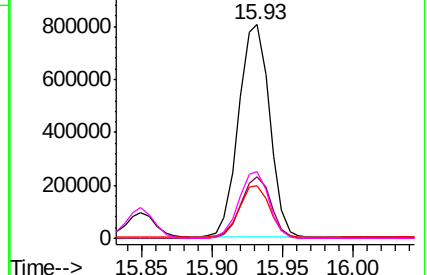
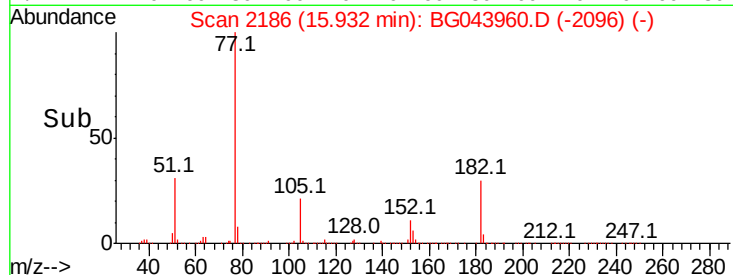
Abundance

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: 17.34 min Scan# 2426

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

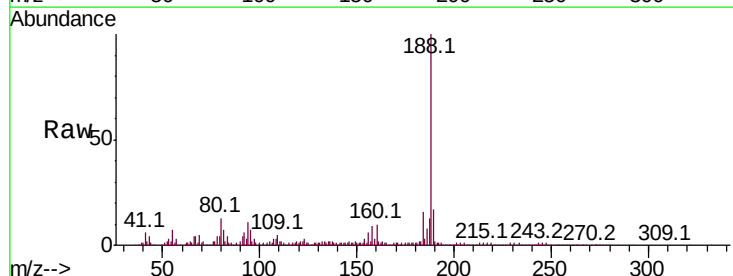
Tgt Ion: 188 Resp: 763944

Ion	Ratio	Lower	Upper
188	100		
94	10.8	7.9	11.9
80	13.3	8.2	12.4

188 100

94 10.8 7.9 11.9

80 13.3 8.2 12.4

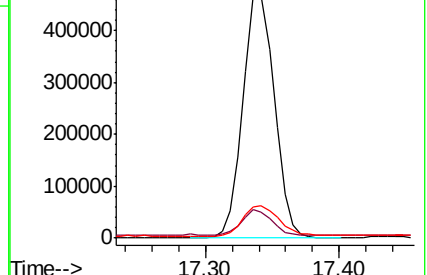
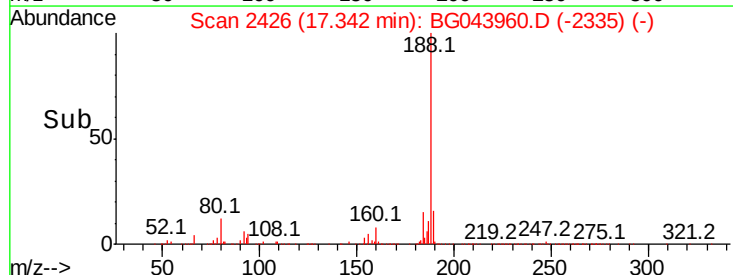


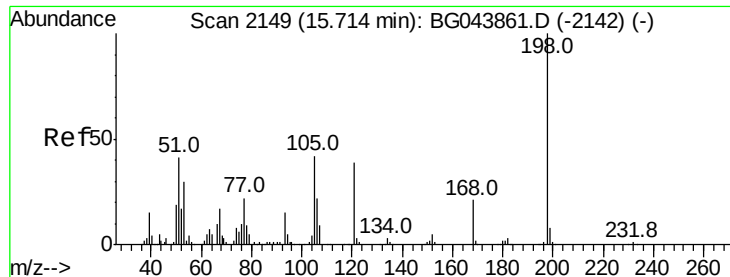
Abundance

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

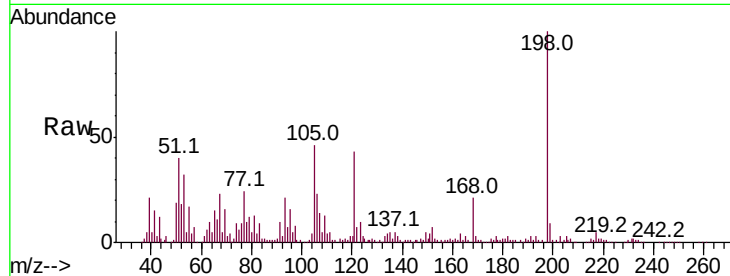




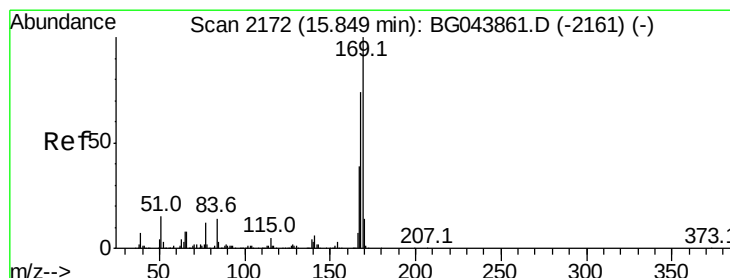
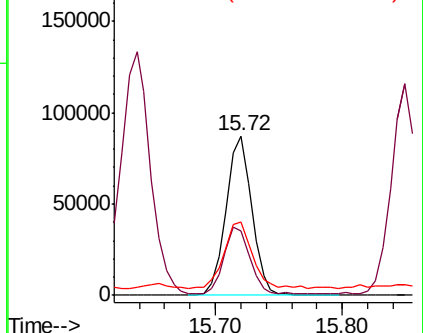
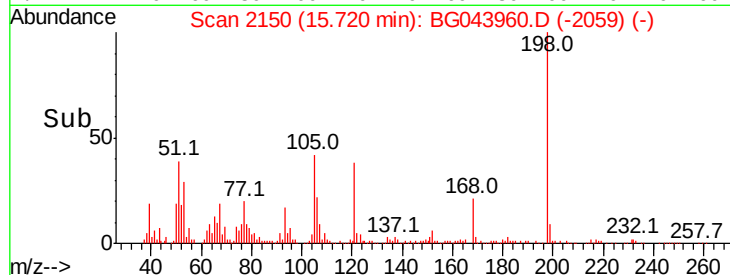
#65
4,6-Dinitro-2-methylphenol
Concen: 32.670 ng
RT: 15.72 min Scan# 2150
Delta R.T. 0.01 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 122516
Ion Ratio Lower Upper
198 100
51 40.0 22.5 62.5
105 46.1 22.3 62.3

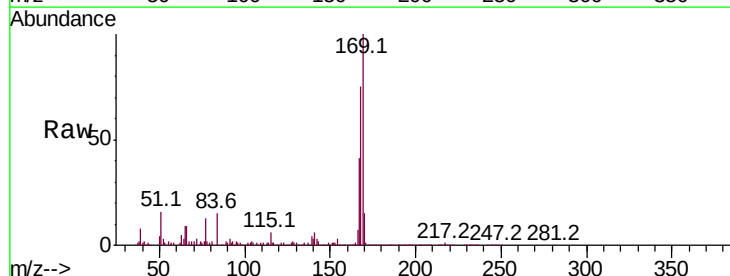


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

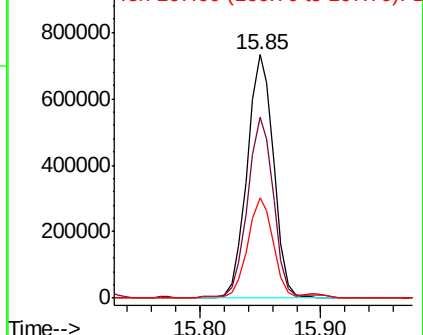
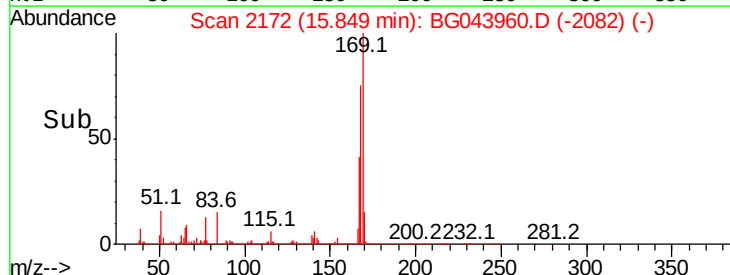


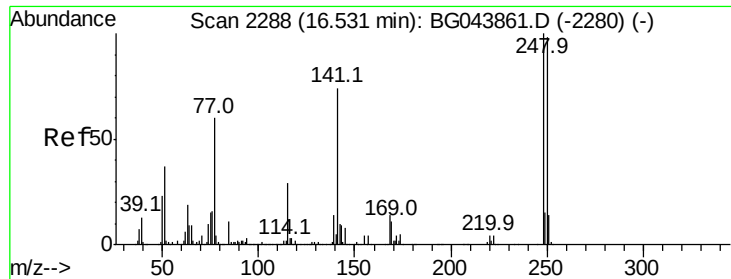
#66
n-Nitrosodiphenylamine
Concen: 49.469 ng
RT: 15.85 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Tgt Ion:169 Resp: 1112910
Ion Ratio Lower Upper
169 100
168 74.6 59.0 88.6
167 41.2 31.4 47.0



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

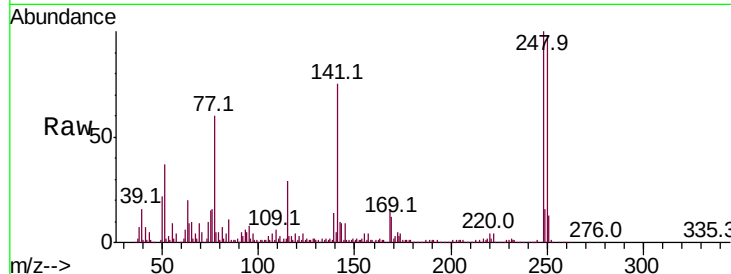




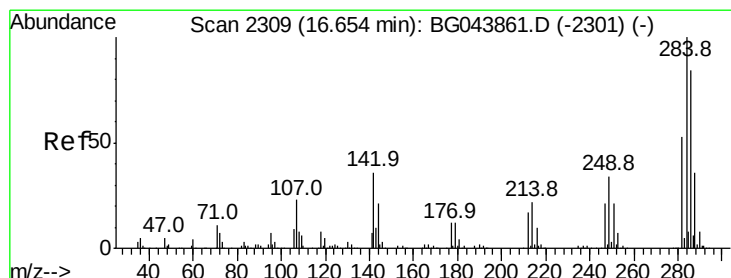
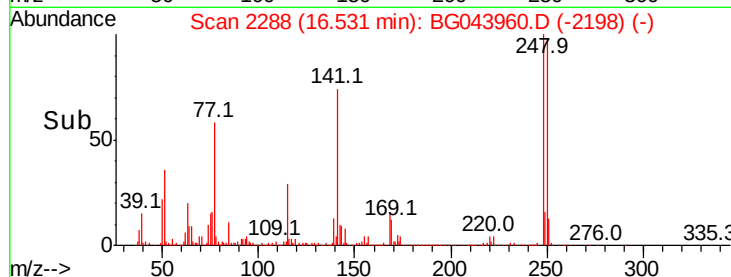
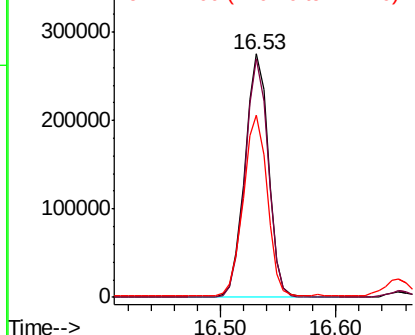
#67
 4-Bromophenyl-phenylether
 Concen: 45.179 ng
 RT: 16.53 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: BG043960.D
 Acq: 7 Jan 2020 18:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 388180
 Ion Ratio Lower Upper
 248 100
 250 97.9 78.2 117.2
 141 74.9 59.3 88.9

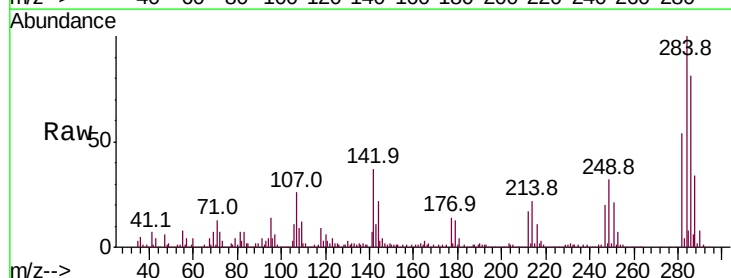


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

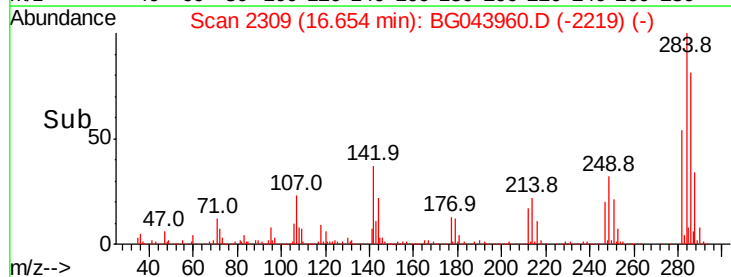
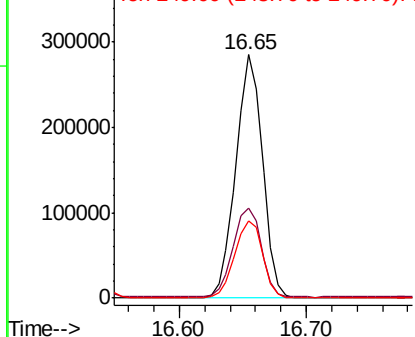


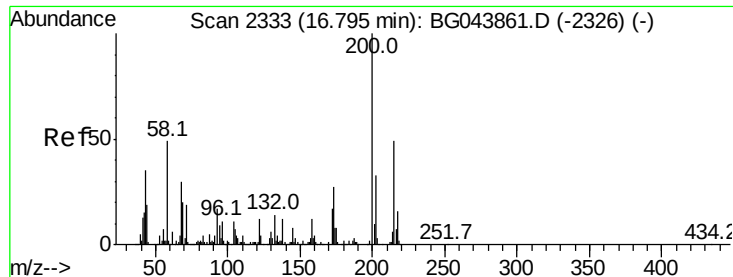
#68
 Hexachlorobenzene
 Concen: 44.697 ng
 RT: 16.65 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: BG043960.D
 Acq: 7 Jan 2020 18:53

Tgt Ion:284 Resp: 413811
 Ion Ratio Lower Upper
 284 100
 142 37.0 28.6 43.0
 249 31.8 27.0 40.6



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 56.510 ng

RT: 16.80 min Scan# 2334

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampleId :

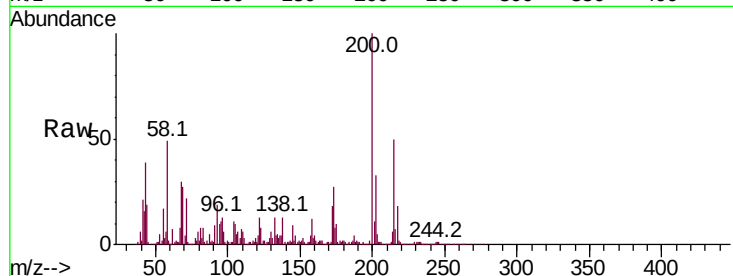
Tot Ion:200 Resp: 413243

Ion Ratio Lower Upper

200 100

173 27.1 6.6 46.6

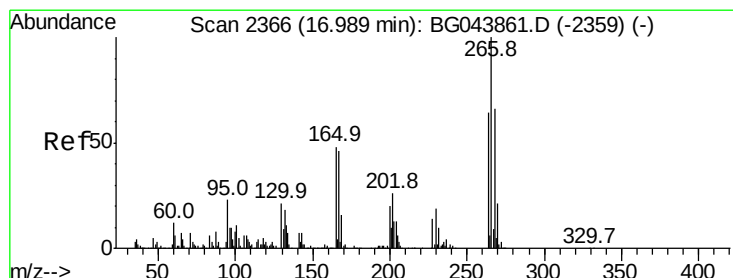
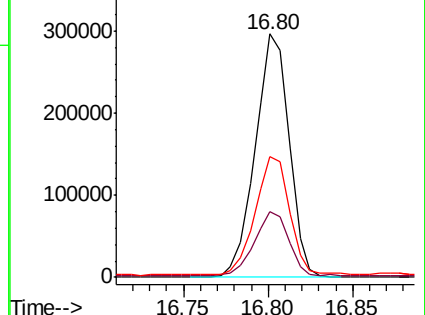
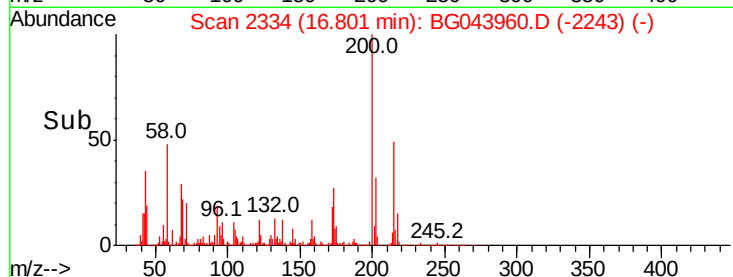
215 49.8 28.6 68.6



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: 98.728 ng

RT: 17.00 min Scan# 2367

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

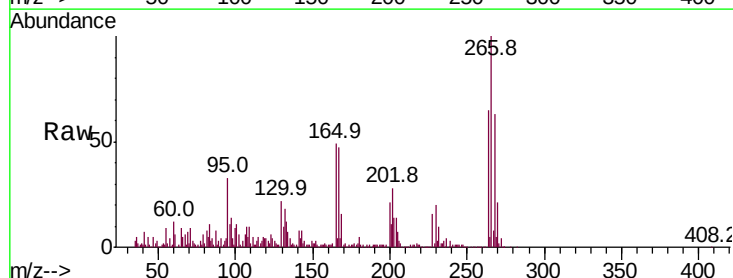
Tgt Ion:266 Resp: 503867

Ion Ratio Lower Upper

266 100

268 63.4 52.6 79.0

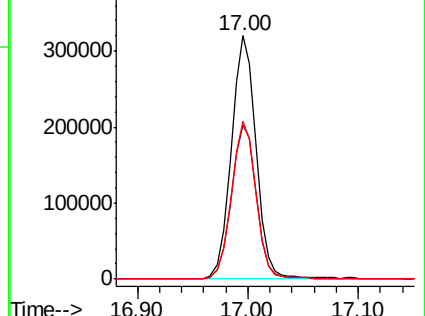
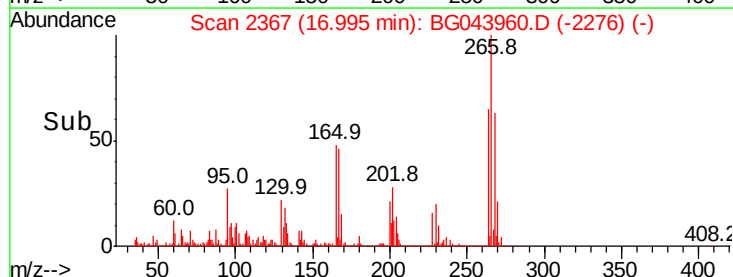
264 64.6 50.8 76.2

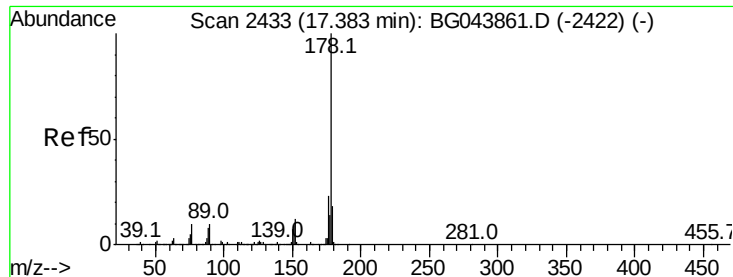


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 53.402 ng

RT: 17.38 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

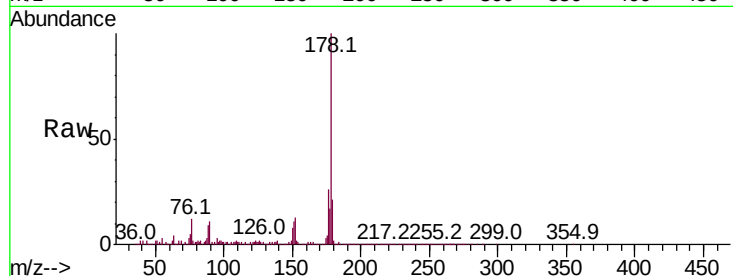
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 1956782

Ion	Ratio	Lower	Upper
178	100		
176	25.6	18.6	28.0
179	20.5	14.4	21.6

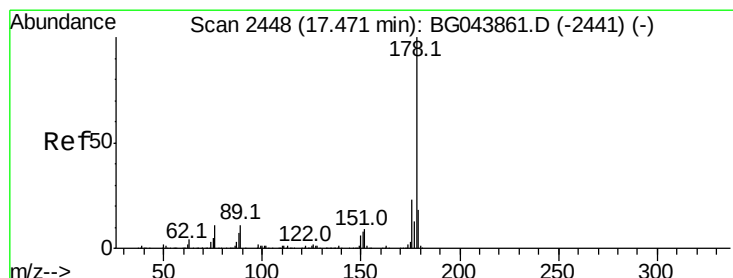
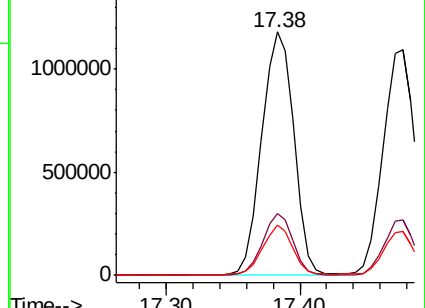
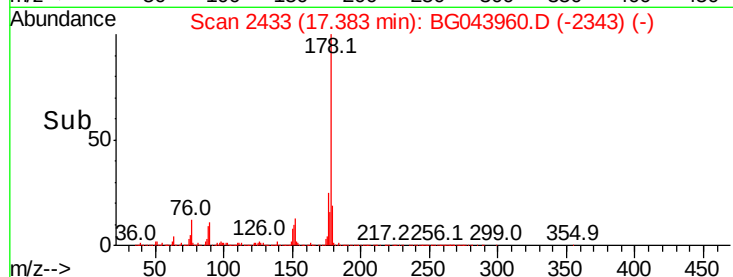


Abundance

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: 49.928 ng

RT: 17.48 min Scan# 2449

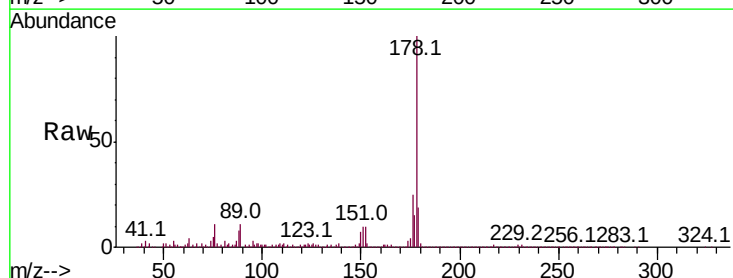
Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Tgt Ion:178 Resp: 1808059

Ion	Ratio	Lower	Upper
178	100		
176	24.6	18.3	27.5
179	19.4	14.6	22.0

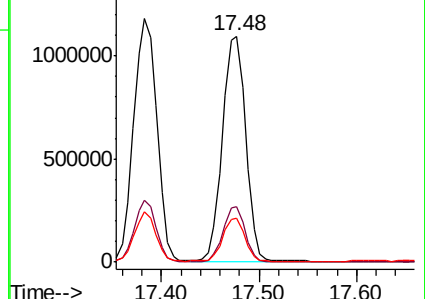
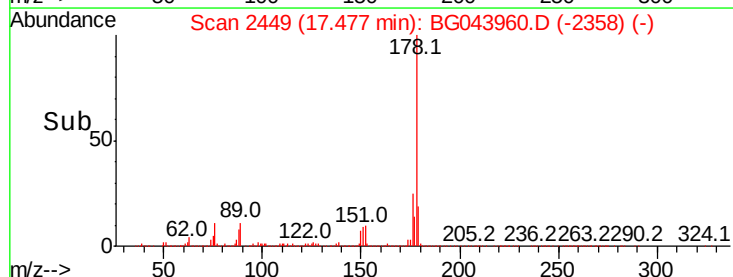


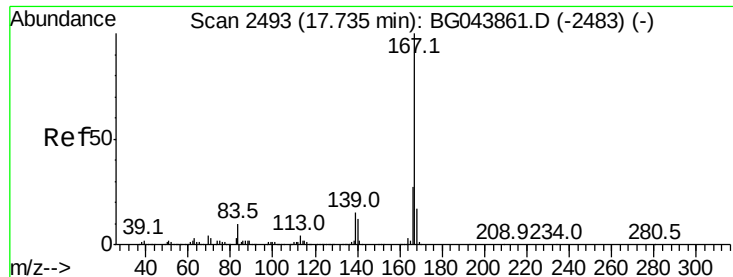
Abundance

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: 47.784 ng

RT: 17.74 min Scan# 2494

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampleId :

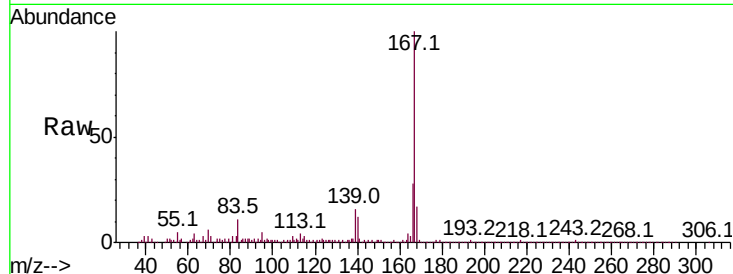
Tot Ion:167 Resp: 1598404

Ion Ratio Lower Upper

167 100

166 28.1 21.6 32.4

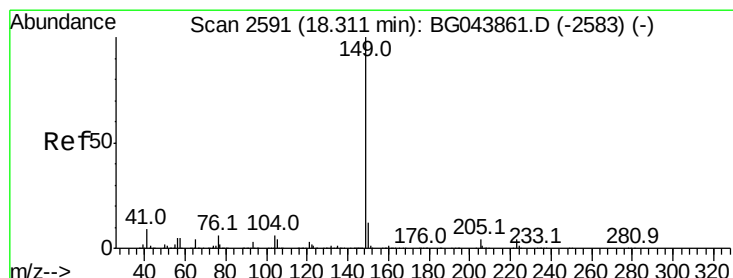
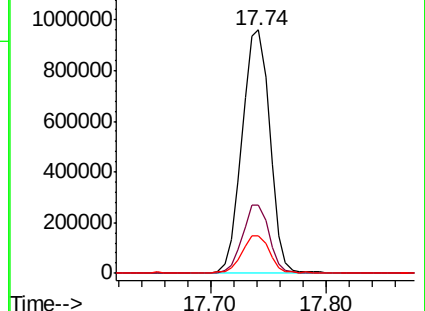
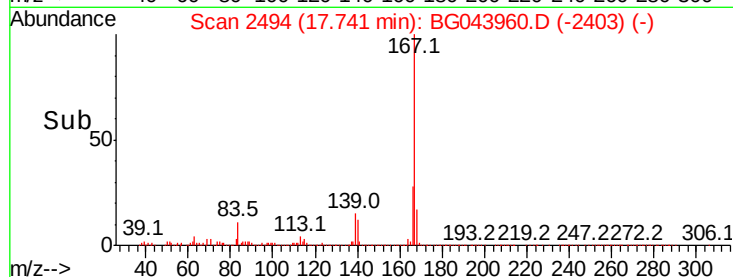
139 15.7 12.1 18.1



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: 43.617 ng

RT: 18.31 min Scan# 2591

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

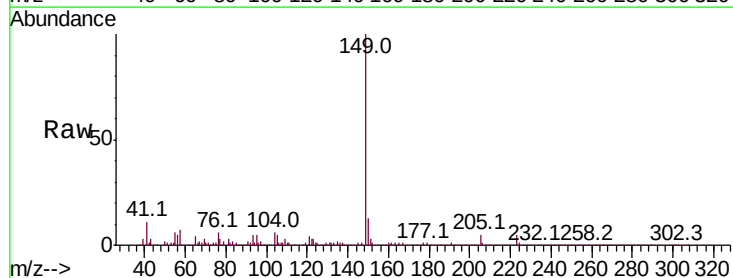
Tgt Ion:149 Resp: 1862834

Ion Ratio Lower Upper

149 100

150 12.6 9.7 14.5

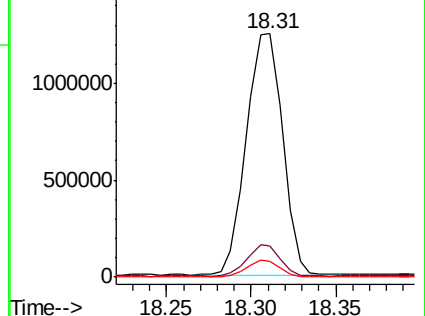
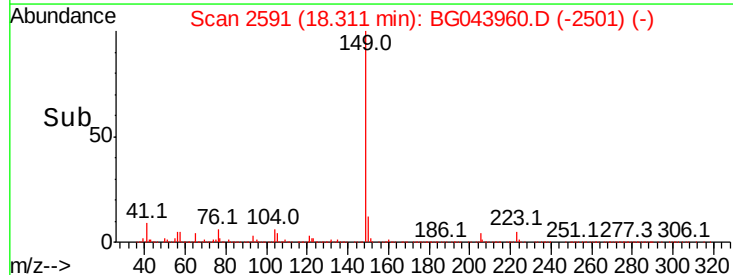
104 6.4 5.0 7.4

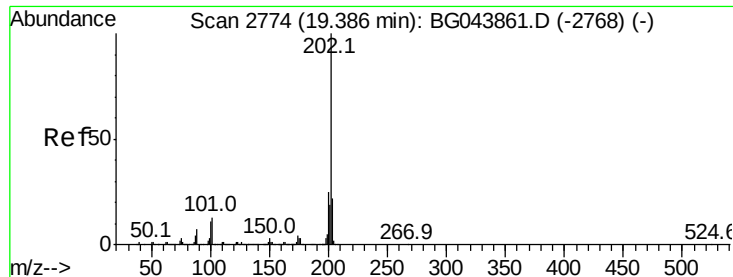


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 46.285 ng

RT: 19.39 min Scan# 2775

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampleId :

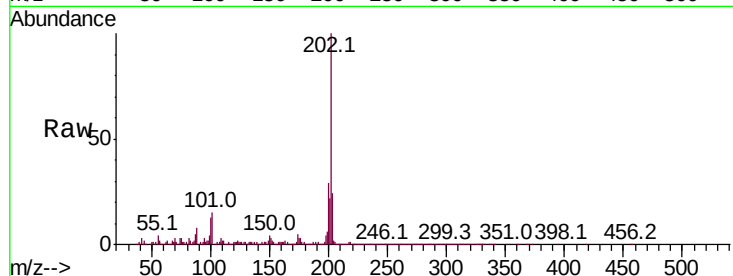
Tot Ion:202 Resp: 1939623

Ion Ratio Lower Upper

202 100

101 15.3 0.0 33.3

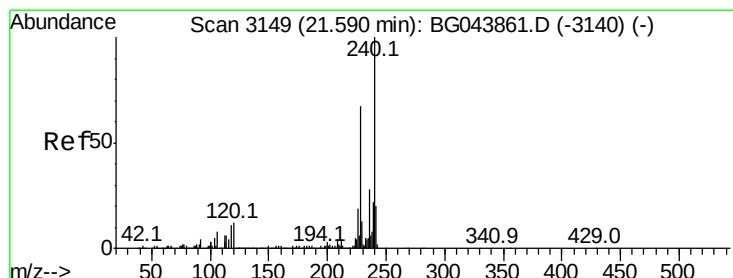
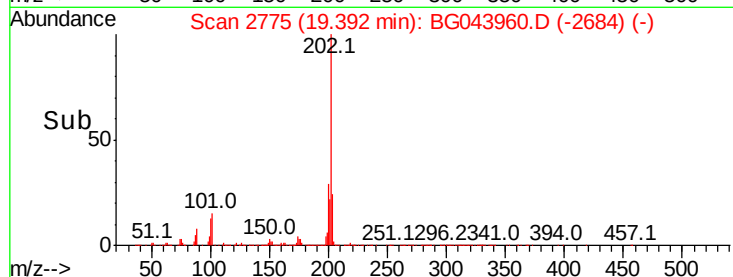
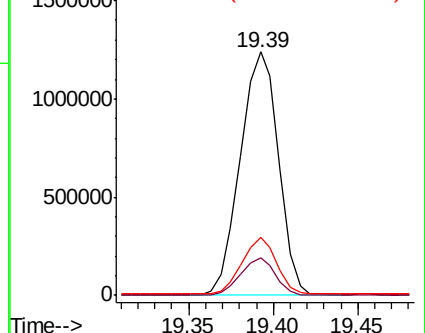
203 24.0 1.6 41.6



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: 21.60 min Scan# 3150

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

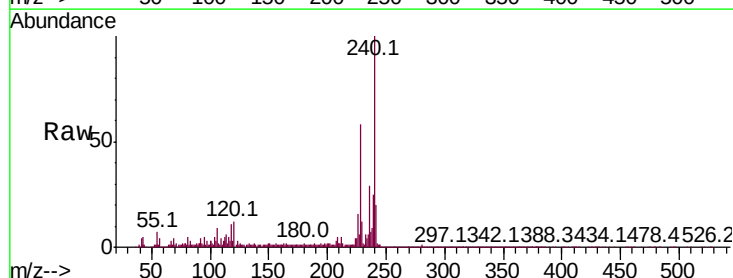
Tgt Ion:240 Resp: 634806

Ion Ratio Lower Upper

240 100

120 12.3 9.6 14.4

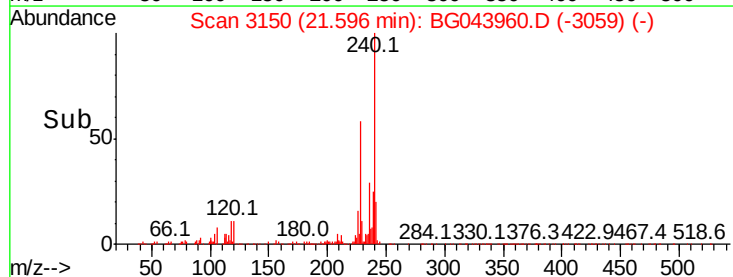
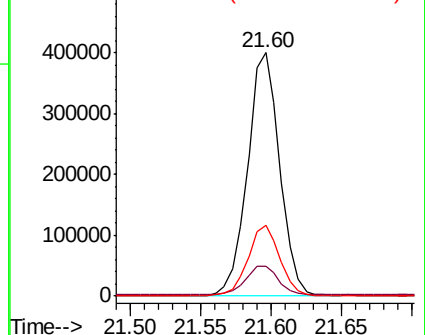
236 29.0 22.2 33.2

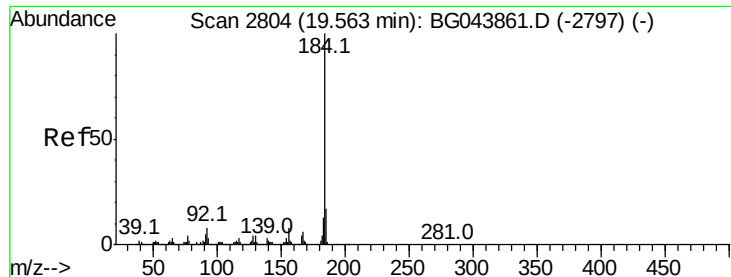


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 44.868 ng

RT: 19.57 min Scan# 2805

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

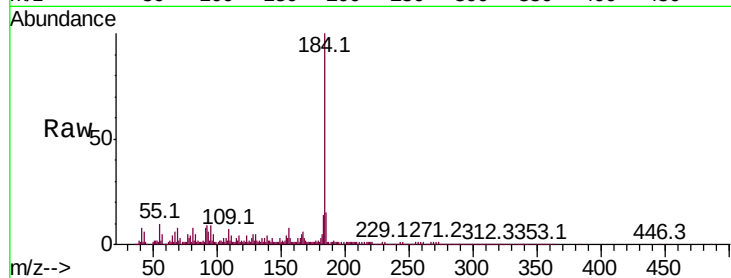
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 715921

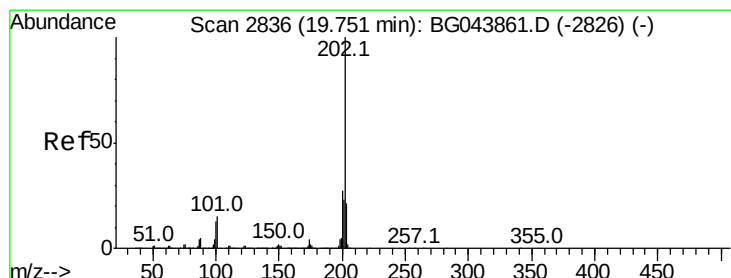
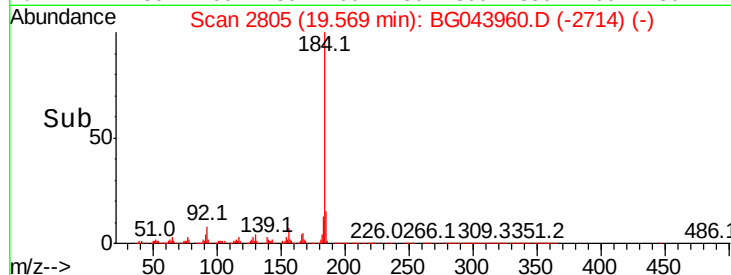
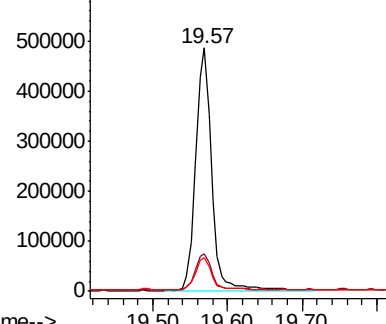
Ion	Ratio	Lower	Upper
184	100		
185	15.5	13.4	20.0
183	13.8	10.6	15.8



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: 49.825 ng

RT: 19.75 min Scan# 2836

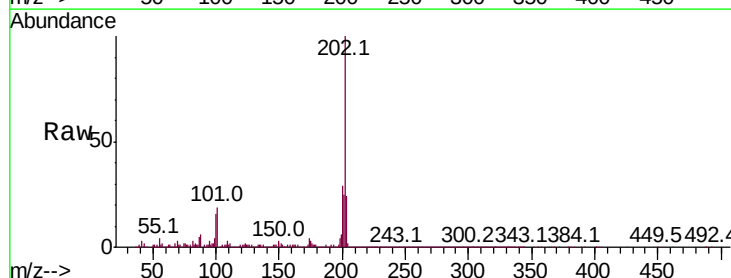
Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Tgt Ion:202 Resp: 2064572

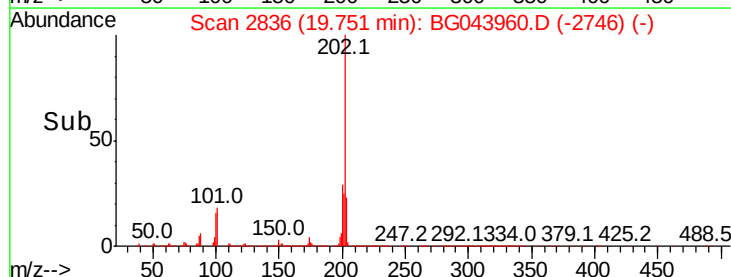
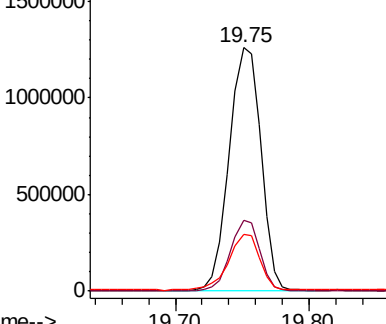
Ion	Ratio	Lower	Upper
202	100		
200	29.0	21.7	32.5
203	23.5	17.0	25.6

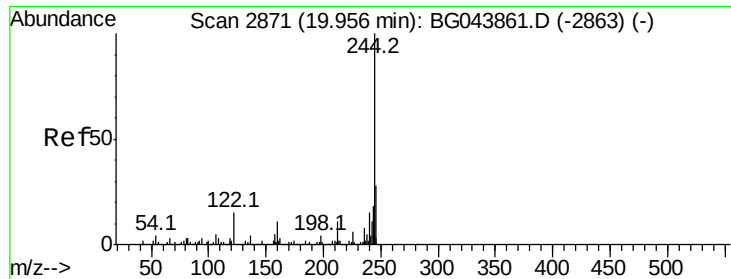


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 57.320 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampleId :

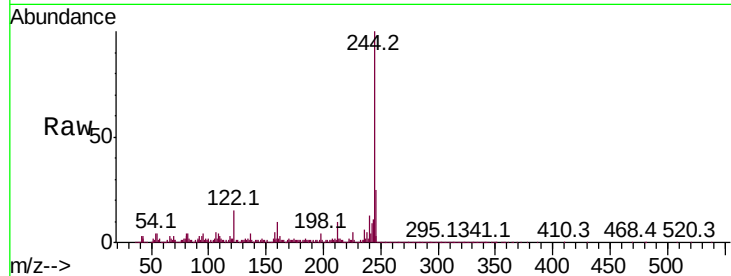
Tot Ion:244 Resp: 1662812

Ion Ratio Lower Upper

244 100

212 9.9 8.6 13.0

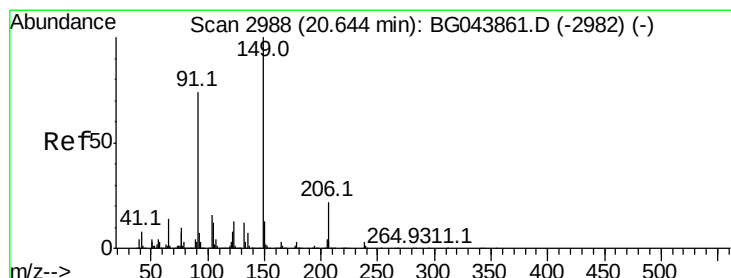
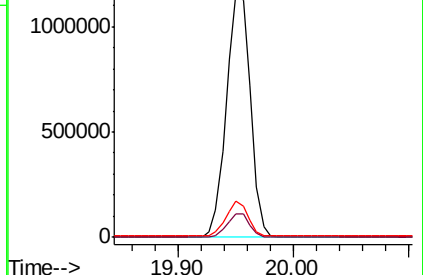
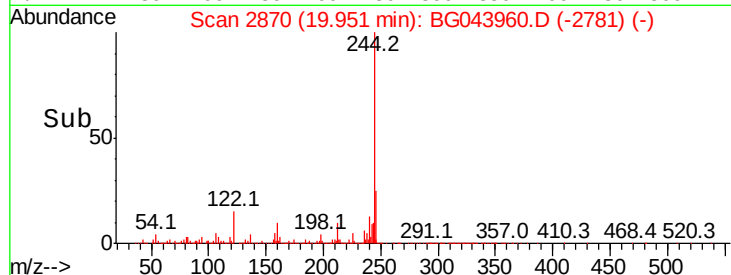
122 15.0 11.9 17.9



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: 47.019 ng

RT: 20.64 min Scan# 2988

Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

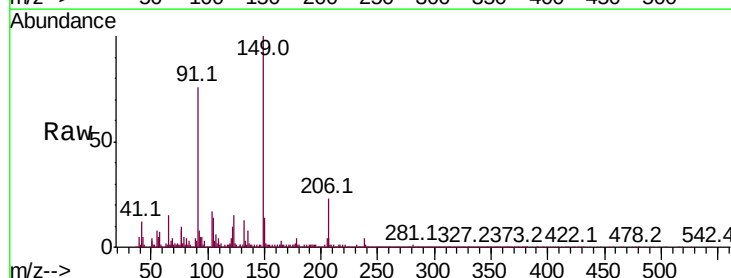
Tgt Ion:149 Resp: 927563

Ion Ratio Lower Upper

149 100

91 75.7 59.5 89.3

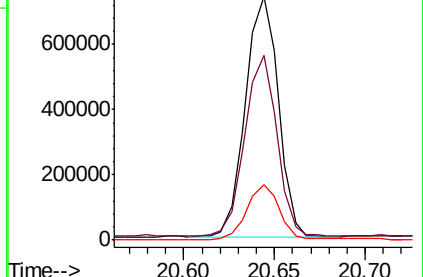
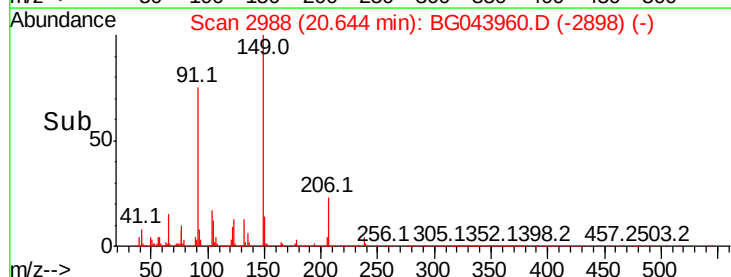
206 22.8 17.8 26.6

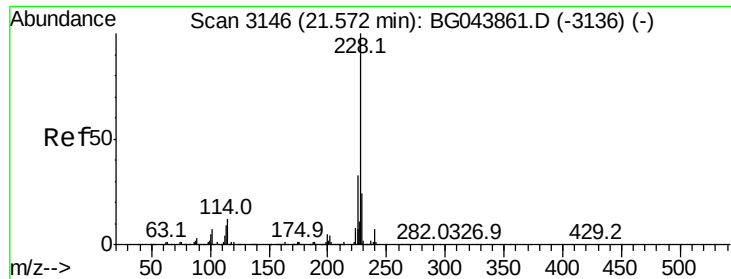


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 49.152 ng

RT: 21.58 min Scan# 3147

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

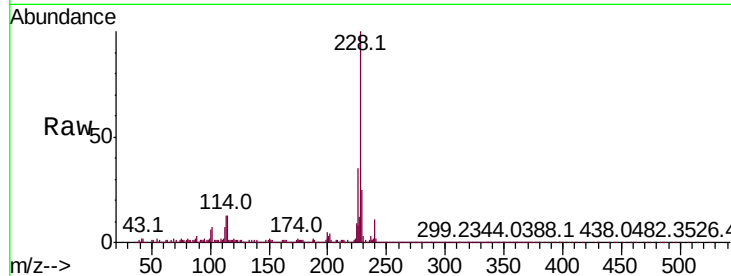
Instrument :

BNA_G

ClientSampled :

Tot Ion:228 Resp: 1934741

Ion	Ratio	Lower	Upper
228	100		
226	34.7	26.2	39.4
229	25.1	18.9	28.3

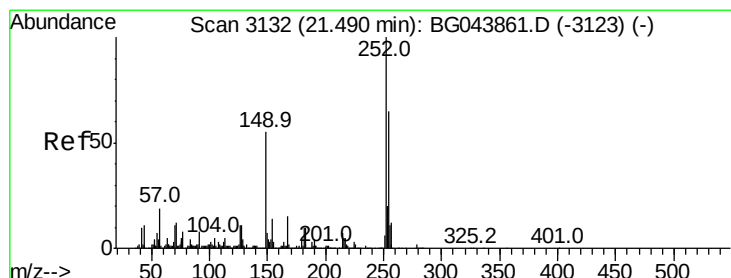
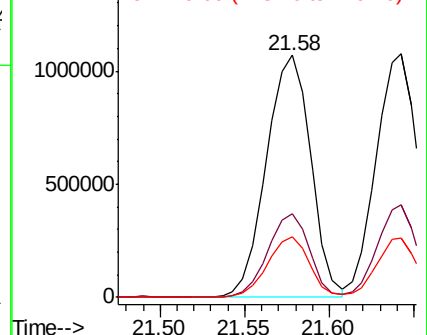
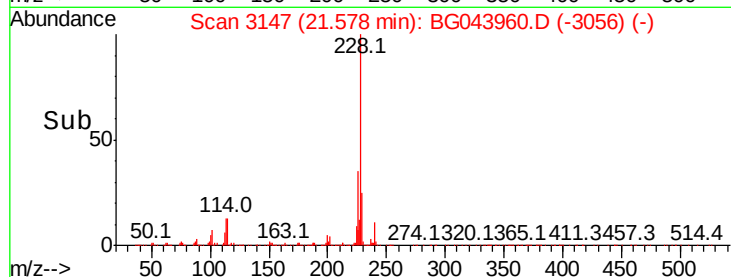


Abundance

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: 19.311 ng

RT: 21.49 min Scan# 3132

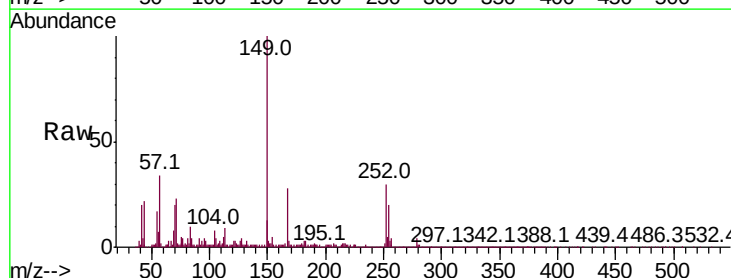
Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Tgt Ion:252 Resp: 300310

Ion	Ratio	Lower	Upper
252	100		
254	65.7	52.1	78.1
126	11.3	9.1	13.7

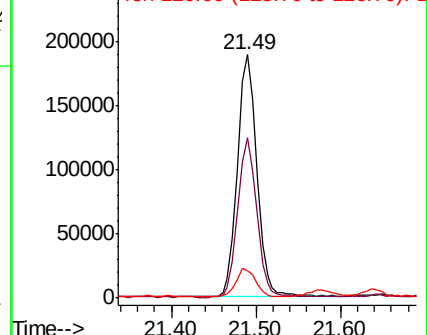
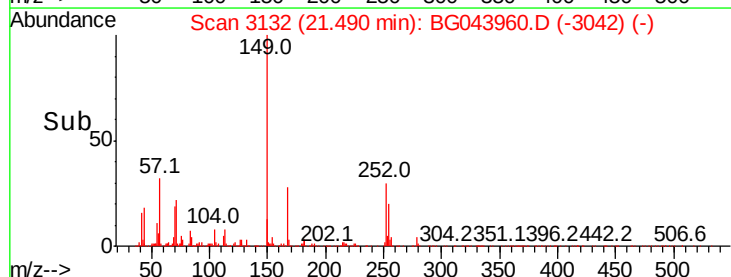


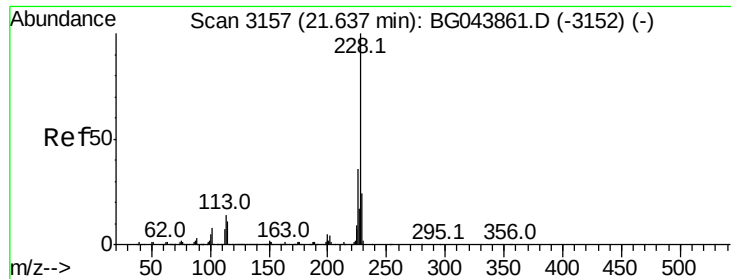
Abundance

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: 49.059 ng

RT: 21.64 min Scan# 3158

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

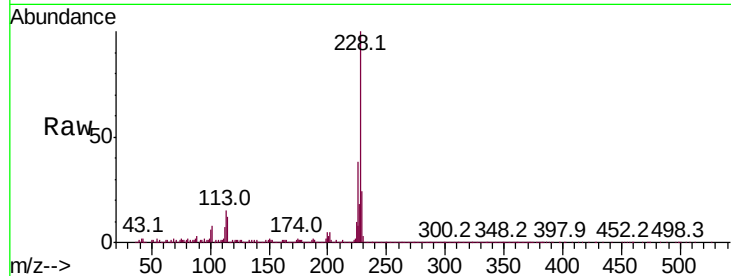
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 1834896

Ion	Ratio	Lower	Upper
228	100		
226	37.8	28.8	43.2
229	24.5	19.0	28.6

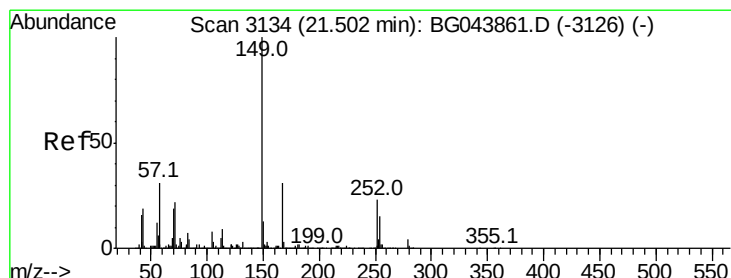
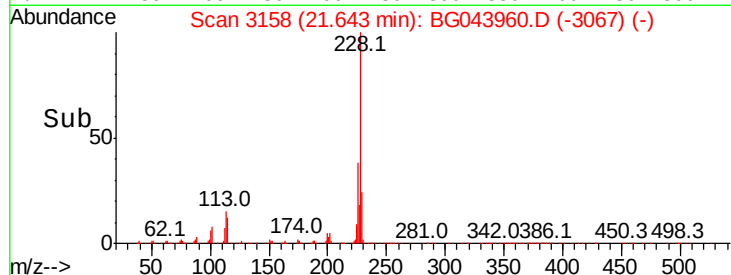
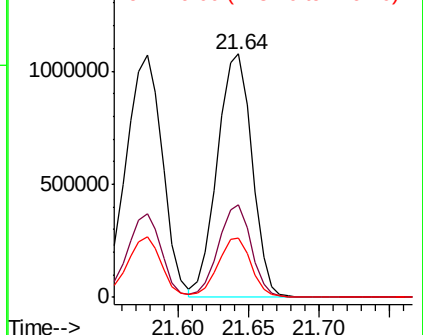


Abundance

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: 48.456 ng

RT: 21.50 min Scan# 3134

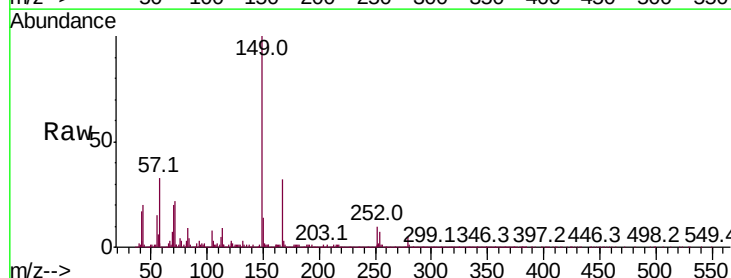
Delta R.T. 0.00 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Tgt Ion:149 Resp: 1318980

Ion	Ratio	Lower	Upper
149	100		
167	32.5	24.7	37.1
279	4.9	3.3	4.9

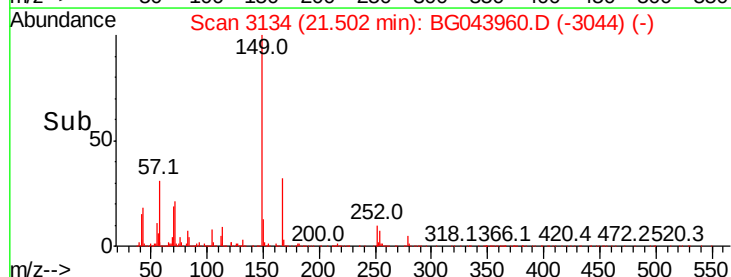
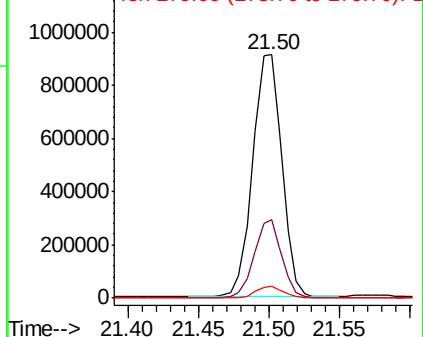


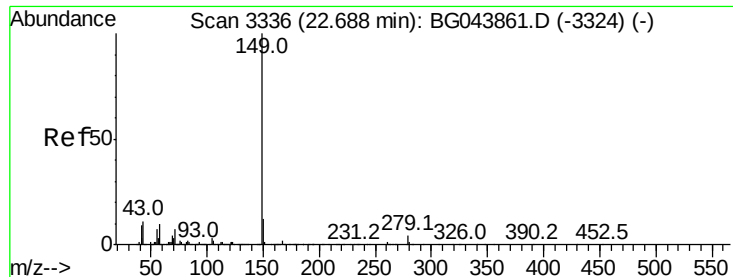
Abundance

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: 48.843 ng

RT: 22.68 min Scan# 3335

Delta R.T. -0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

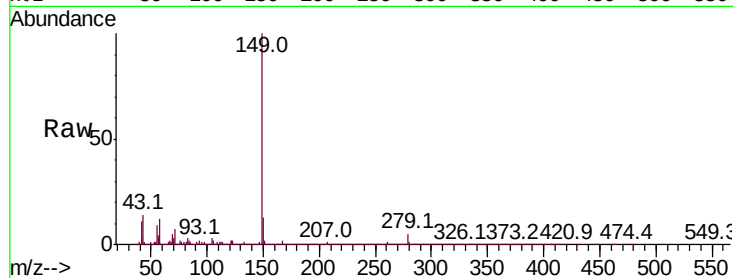
Instrument :

BNA_G

ClientSampleId :

Tot Ion:149 Resp: 2235107

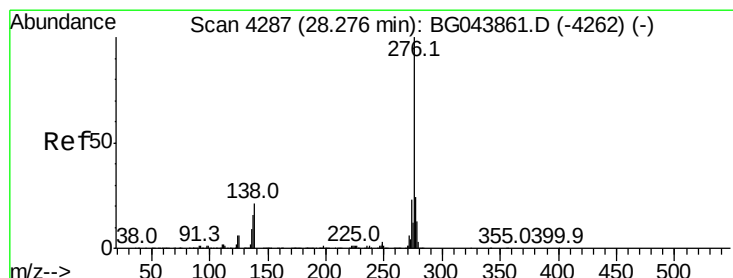
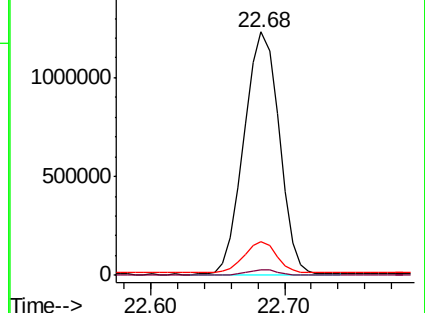
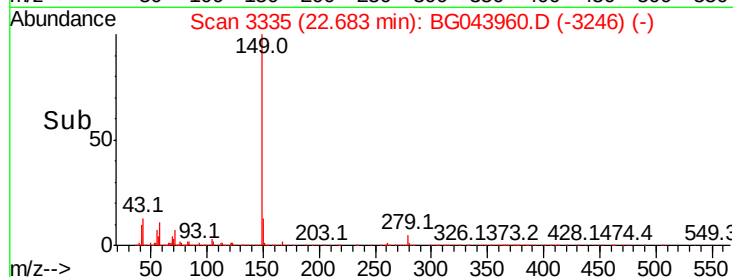
Ion	Ratio	Lower	Upper
149	100		
167	1.9	1.4	2.0
43	11.4	8.8	13.2



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

Indeno(1,2,3-cd)pyrene

Concen: 46.385 ng

RT: 28.28 min Scan# 4288

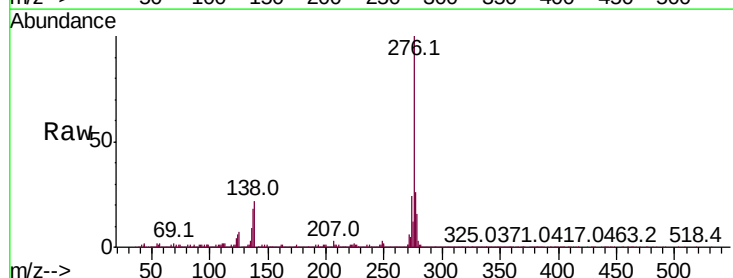
Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Tgt Ion:276 Resp: 2357730

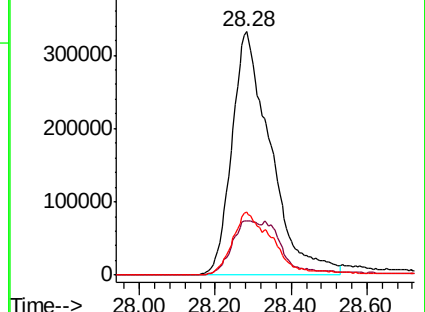
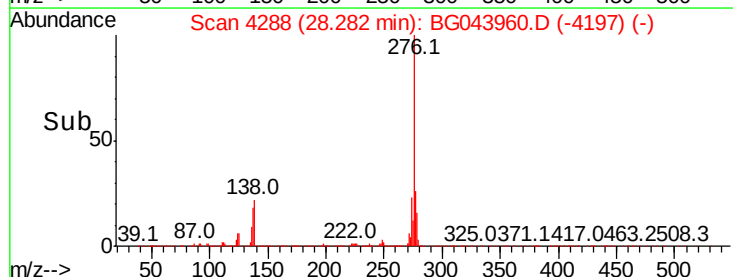
Ion	Ratio	Lower	Upper
276	100		
138	16.4	21.0	31.4#
277	25.6	21.1	31.7

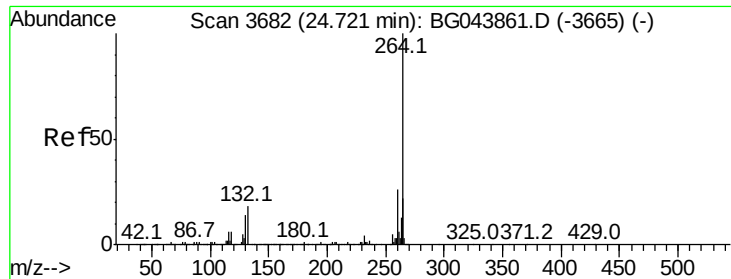


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.73 min Scan# 3683

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampleId :

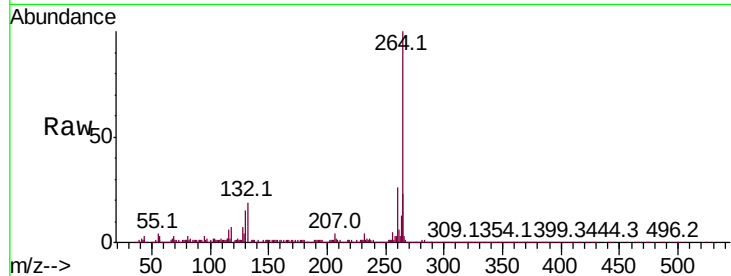
Tot Ion:264 Resp: 750091

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.4	30.6
265	23.0	17.4	26.2

264 100

260 25.7 20.4 30.6

265 23.0 17.4 26.2

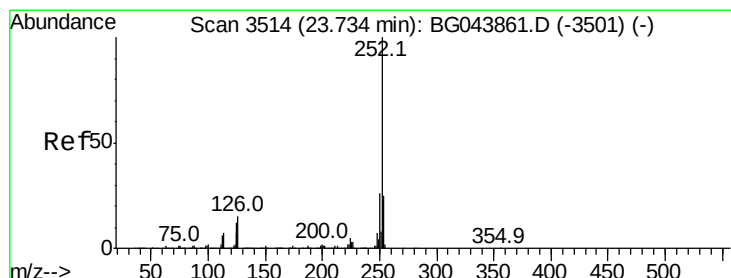
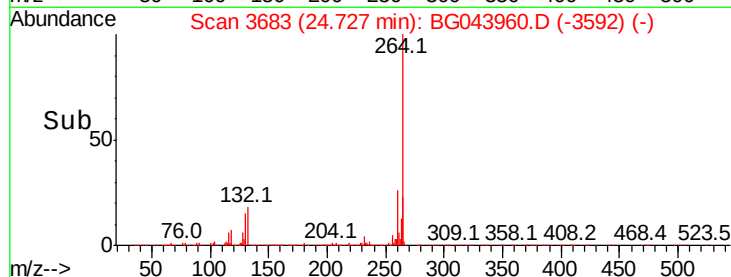
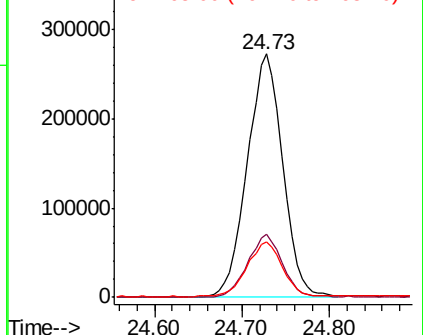


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 45.356 ng

RT: 23.74 min Scan# 3515

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

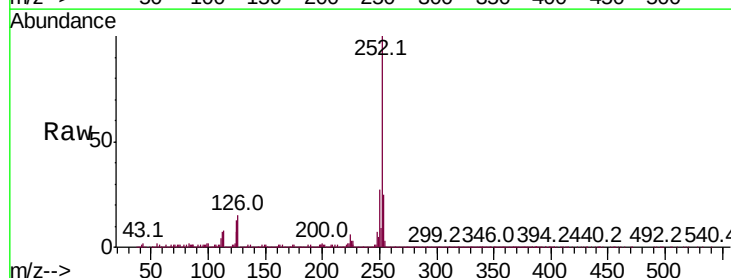
Tgt Ion:252 Resp: 2011222

Ion	Ratio	Lower	Upper
252	100		
253	25.3	19.7	29.5
125	13.2	9.4	14.2

252 100

253 25.3 19.7 29.5

125 13.2 9.4 14.2

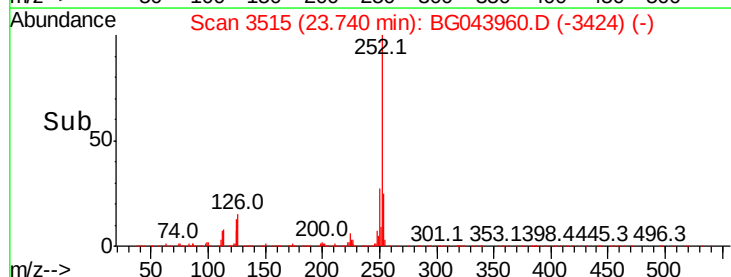
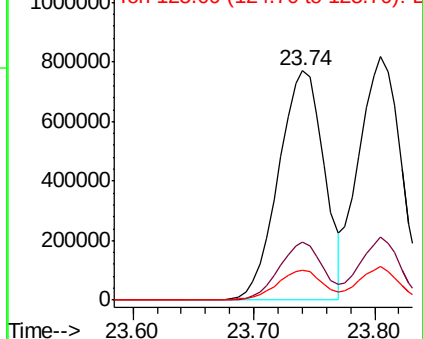


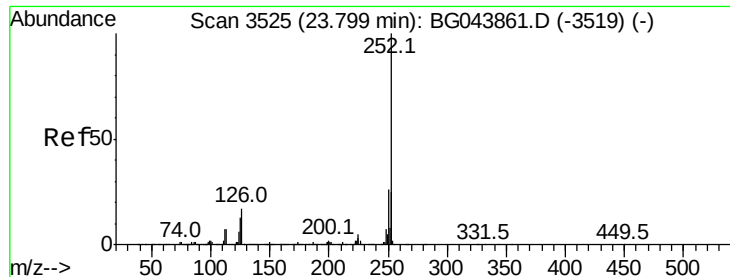
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 47.043 ng

RT: 23.80 min Scan# 3526

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

Instrument :

BNA_G

ClientSampleId :

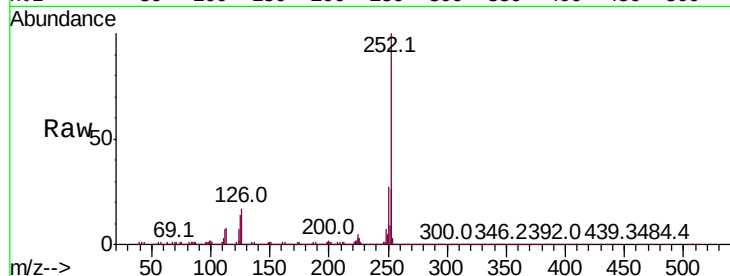
Tot Ion:252 Resp: 1983701

Ion Ratio Lower Upper

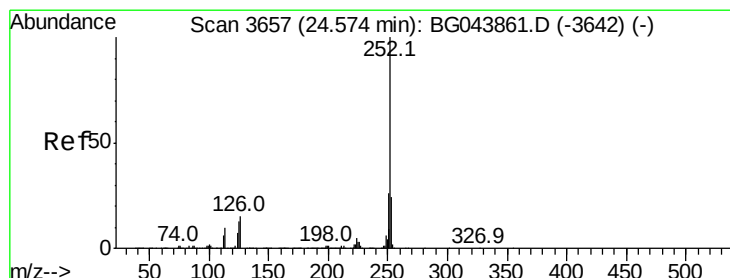
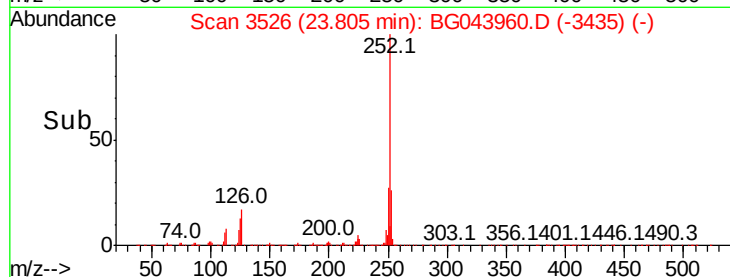
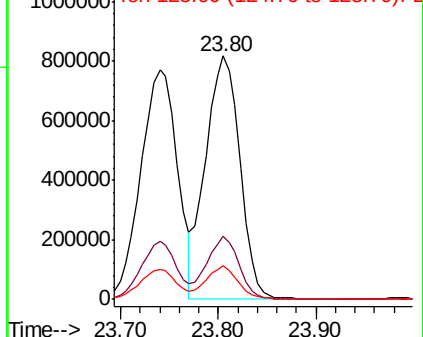
252 100

253 25.7 19.4 29.2

125 13.8 9.9 14.9



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: 46.060 ng

RT: 24.58 min Scan# 3658

Delta R.T. 0.01 min

Lab File: BG043960.D

Acq: 7 Jan 2020 18:53

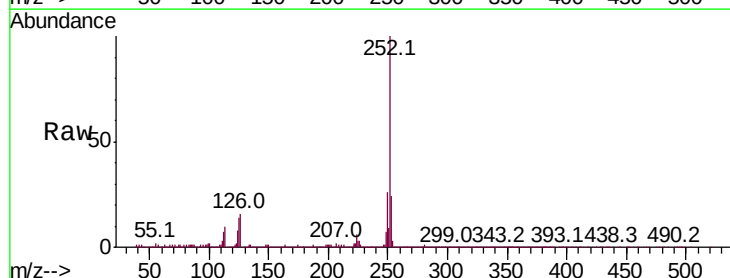
Tgt Ion:252 Resp: 1927715

Ion Ratio Lower Upper

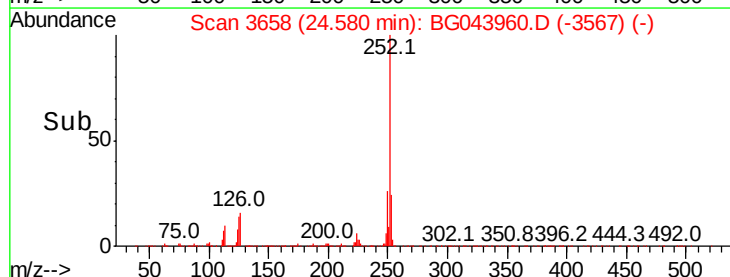
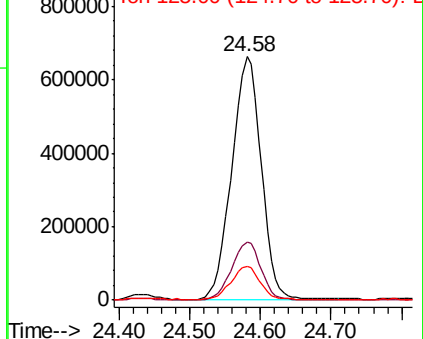
252 100

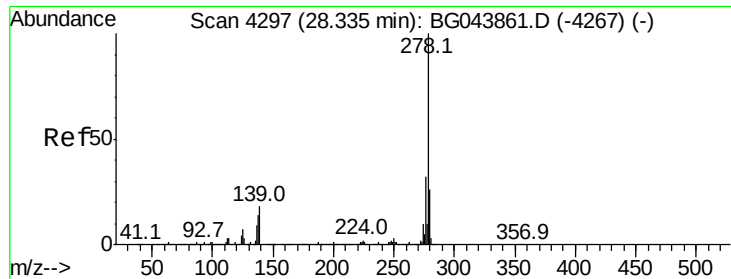
253 23.8 19.3 28.9

125 14.0 10.4 15.6



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

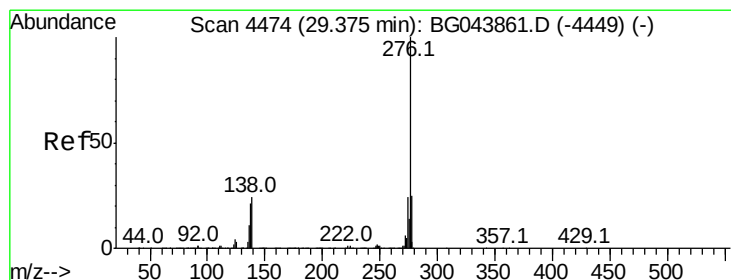
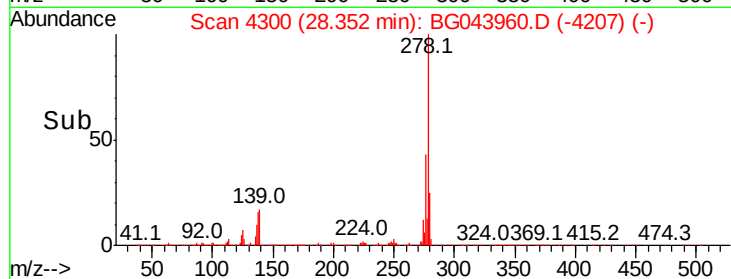
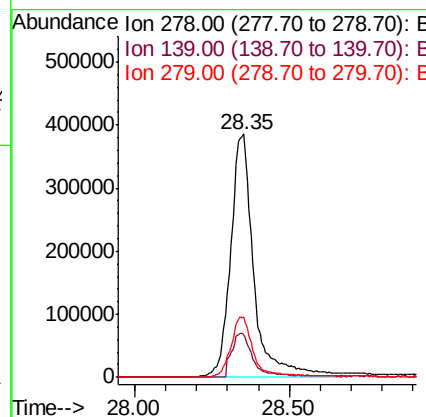
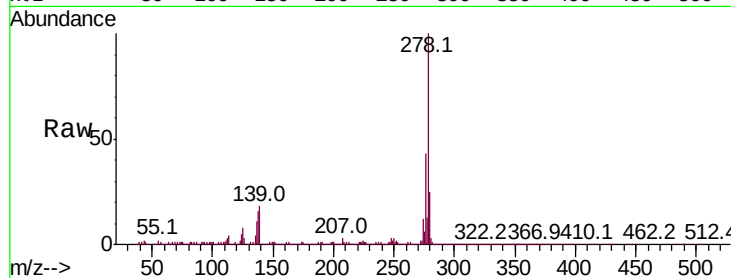




#91
Dibenzo(a,h)anthracene
Concen: 48.027 ng
RT: 28.35 min Scan# 4300
Delta R.T. 0.02 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:278 Resp: 2018688
Ion Ratio Lower Upper
278 100
139 17.7 14.2 21.4
279 24.9 20.6 30.8



#92
Benzo(g,h,i)perylene
Concen: 44.877 ng
RT: 29.39 min Scan# 4476
Delta R.T. 0.01 min
Lab File: BG043960.D
Acq: 7 Jan 2020 18:53

Tgt Ion:276 Resp: 1873673
Ion Ratio Lower Upper
276 100
277 25.8 20.2 30.4
138 23.4 19.0 28.6

