

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082619\
 Data File : BG042504.D
 Acq On : 26 Aug 2019 18:27
 Operator : HP/JU
 Sample : K4477-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Quant Time: Aug 27 01:10:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	36044	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	130596	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	86638	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	214792	20.00	ng	0.00
76) Chrysene-d12	21.69	240	288623	20.00	ng	0.00
87) Perylene-d12	24.92	264	350528	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	248996	139.91	ng	0.00
7) Phenol-d6	7.16	99	330056	137.30	ng	0.00
23) Nitrobenzene-d5	9.17	82	183989	97.36	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	173569	140.95	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	497165	97.05	ng	0.00
79) Terphenyl-d14	20.02	244	1090778	81.70	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.41	88	30252	40.732	ng	97
3) Pyridine	3.82	79	74797	39.275	ng	98
4) n-Nitrosodimethylamine	3.73	42	29652	43.593	ng	92
6) Aniline	7.32	93	87867	27.404	ng	99
8) 2-Chlorophenol	7.56	128	98438	45.640	ng	96
9) Benzaldehyde	7.13	77	34383	28.569	ng	97
10) Phenol	7.19	94	108594	44.429	ng	97
11) bis(2-Chloroethyl)ether	7.41	93	81057	42.226	ng	99
12) 1,3-Dichlorobenzene	7.89	146	114162	41.607	ng	97
13) 1,4-Dichlorobenzene	8.03	146	117061	42.119	ng	100
14) 1,2-Dichlorobenzene	8.36	146	109672	41.206	ng	99
15) Benzyl Alcohol	8.24	79	70031	40.492	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.53	45	105034	40.370	ng	98
17) 2-Methylphenol	8.45	107	74587	41.430	ng	95
18) Hexachloroethane	9.09	117	39112	41.107	ng	90
19) n-Nitroso-di-n-propylamine	8.81	70	60669	38.955	ng	98
20) 3+4-Methylphenols	8.78	107	103508	41.550	ng	96
22) Acetophenone	8.83	105	130185	46.607	ng	# 97
24) Nitrobenzene	9.21	77	89226	46.624	ng	98
25) Isophorone	9.73	82	165489	44.371	ng	98
26) 2-Nitrophenol	9.92	139	56275	46.924	ng	95
27) 2,4-Dimethylphenol	9.99	122	86096	52.116	ng	98
28) bis(2-Chloroethoxy)methane	10.22	93	105329	44.807	ng	97
29) 2,4-Dichlorophenol	10.47	162	102345	47.351	ng	95
30) 1,2,4-Trichlorobenzene	10.68	180	119052	44.875	ng	99
31) Naphthalene	10.87	128	282819	46.645	ng	100
32) Benzoic acid	9.99	122	86096	67.758	ng	# 16
33) 4-Chloroaniline	10.98	127	79444	28.383	ng	99
34) Hexachlorobutadiene	11.16	225	78265	43.896	ng	97
35) Caprolactam	11.75	113	32609	45.214	ng	96
36) 4-Chloro-3-methylphenol	12.11	107	89602	43.670	ng	99
37) 2-Methylnaphthalene	12.48	142	220299	45.250	ng	98
38) 1-Methylnaphthalene	12.70	142	204724	44.270	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.85	216	136036	48.894	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.83	237	147681	101.049	ng	98
43) 2,4,6-Trichlorophenol	13.09	196	90010	47.862	ng	92
44) 2,4,5-Trichlorophenol	13.17	196	92313	47.368	ng	96
46) 1,1'-Biphenyl	13.49	154	273866	48.902	ng	99
47) 2-Chloronaphthalene	13.53	162	226380	46.879	ng	98
48) 2-Nitroaniline	13.73	65	51701	44.399	ng	98
49) Acenaphthylene	14.38	152	353417	48.646	ng	99
50) Dimethylphthalate	14.11	163	368717	58.983	ng	99
51) 2,6-Dinitrotoluene	14.23	165	68008	46.935	ng	98
52) Acenaphthene	14.72	154	205104	46.493	ng	97
53) 3-Nitroaniline	14.56	138	52373	36.141	ng	97
54) 2,4-Dinitrophenol	14.78	184	39553	43.586	ng	97
55) Dibenzofuran	15.06	168	348476	47.722	ng	100
56) 4-Nitrophenol	14.88	139	129599	125.859	ng	98
57) 2,4-Dinitrotoluene	15.02	165	98817	47.624	ng	# 96
58) Fluorene	15.71	166	285615	47.848	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.29	232	98187	50.946	ng	93
60) Diethylphthalate	15.47	149	284425	46.544	ng	100
61) 4-Chlorophenyl-phenylether	15.69	204	162087	45.046	ng	98
62) 4-Nitroaniline	15.72	138	78085	50.347	ng	100
63) Azobenzene	15.99	77	200374	47.852	ng	98
65) 4,6-Dinitro-2-methylphenol	15.79	198	53012	39.366	ng	96
66) n-Nitrosodiphenylamine	15.91	169	266000	45.032	ng	98
67) 4-Bromophenyl-phenylether	16.59	248	113813	41.774	ng	98
68) Hexachlorobenzene	16.72	284	120816	40.792	ng	98
69) Atrazine	16.86	200	113621	54.393	ng	97
70) Pentachlorophenol	17.07	266	143496	93.248	ng	99
71) Phenanthrene	17.45	178	517175	48.474	ng	99
72) Anthracene	17.55	178	527646	49.540	ng	99
73) Carbazole	17.82	167	509661	53.691	ng	99
74) Di-n-butylphthalate	18.37	149	588158	52.416	ng	100
75) Fluoranthene	19.47	202	774504	59.482	ng	98
77) Benzidine	19.64	184	410266	49.579	ng	99
78) Pyrene	19.82	202	787257	44.490	ng	99
80) Butylbenzylphthalate	20.71	149	318666	45.786	ng	99
81) Benzo(a)anthracene	21.67	228	823806	46.921	ng	98
82) 3,3'-Dichlorobenzidine	21.58	252	221560	31.377	ng	100
83) Chrysene	21.73	228	811356	47.917	ng	99
84) Bis(2-ethylhexyl)phthalate	21.57	149	457987	47.393	ng	98
85) Di-n-octyl phthalate	22.79	149	804528	48.406	ng	99
86) Indeno(1,2,3-cd)pyrene	28.64	276	1079983	46.933	ng	# 95
88) Benzo(b)fluoranthene	23.90	252	907477	47.091	ng	99
89) Benzo(k)fluoranthene	23.97	252	905967	48.910	ng	100
90) Benzo(a)pyrene	24.78	252	910000	49.764	ng	99
91) Dibenzo(a,h)anthracene	28.70	278	893944	48.282	ng	99
92) Benzo(g,h,i)perylene	29.80	276	916763	49.507	ng	97

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

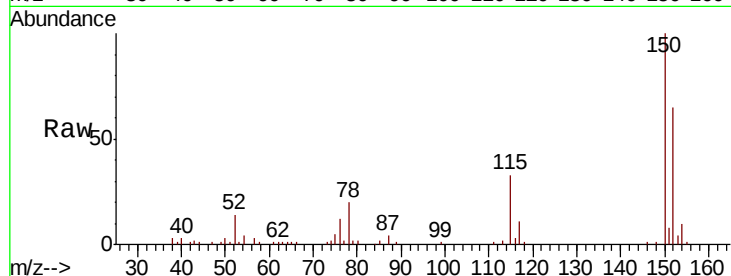


#1

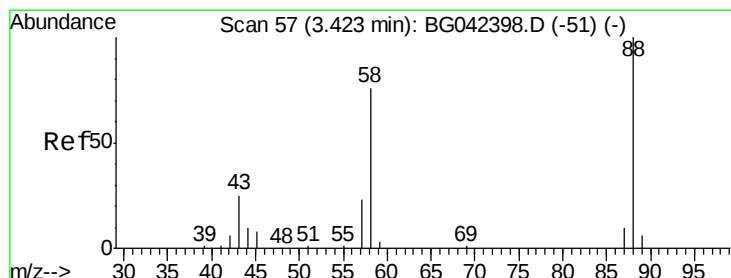
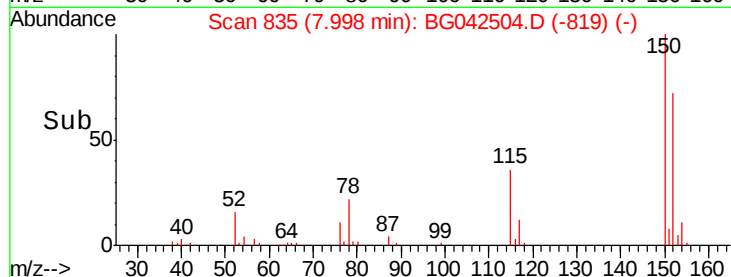
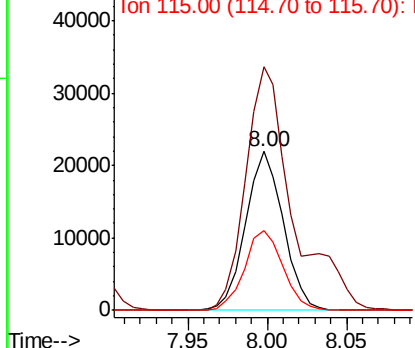
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tgt Ion:152 Resp: 36044
Ion Ratio Lower Upper
152 100
150 153.3 125.4 188.0
115 50.6 38.5 57.7



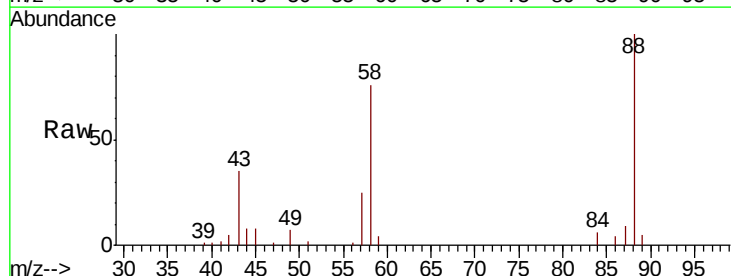
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



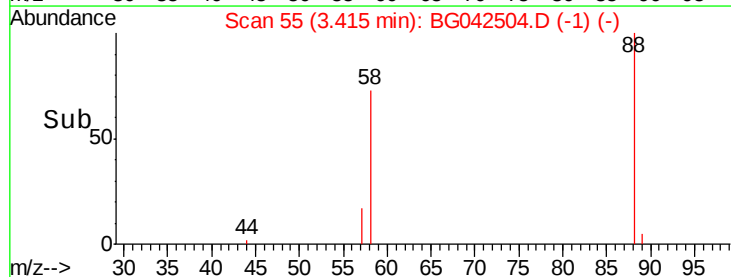
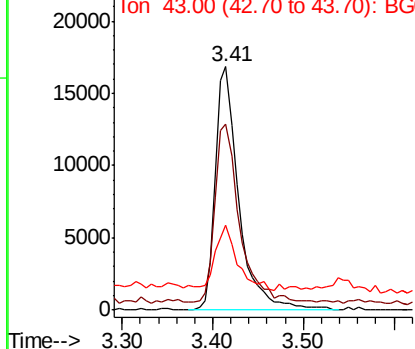
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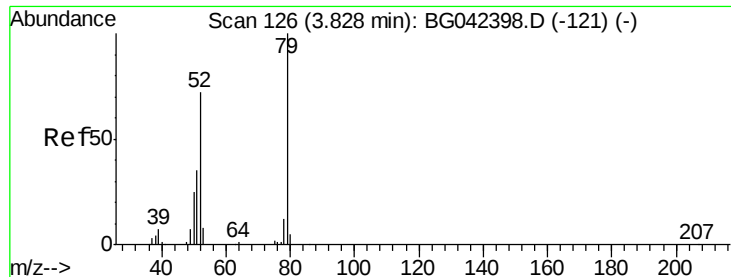
1,4-Dioxane
Concen: 40.732 ng
RT: 3.41 min Scan# 55
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion: 88 Resp: 30252
Ion Ratio Lower Upper
88 100
58 75.5 58.3 87.5
43 24.6 20.2 30.2



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

Pyridine

Concen: 39.275 ng

RT: 3.82 min Scan# 124

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

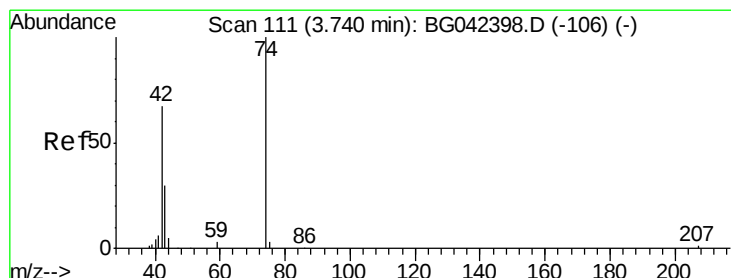
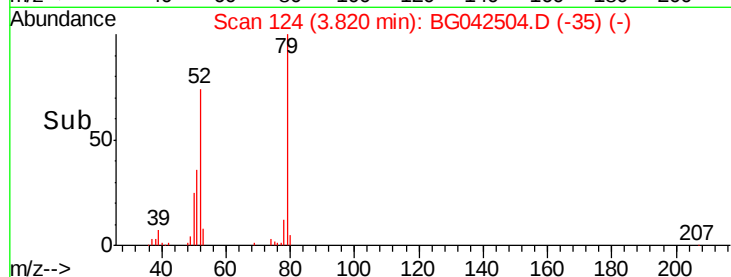
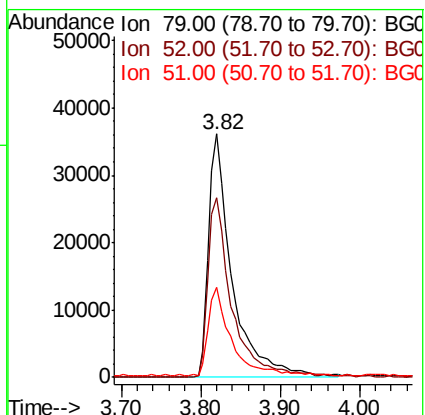
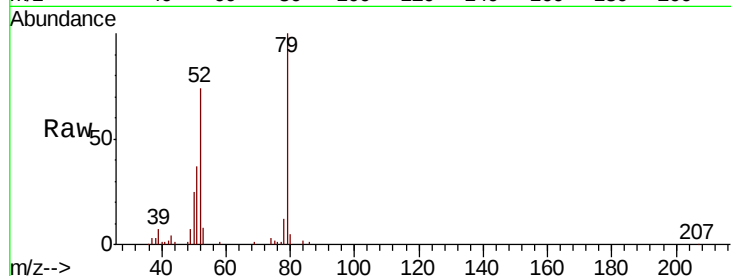
BNA_G

ClientSampleId :

TP-1(1-3)MSD

Tgt Ion: 79 Resp: 74797

Ion	Ratio	Lower	Upper
79	100		
52	73.5	57.7	86.5
51	37.0	28.8	43.2



#4

n-Nitrosodimethylamine

Concen: 43.593 ng

RT: 3.73 min Scan# 109

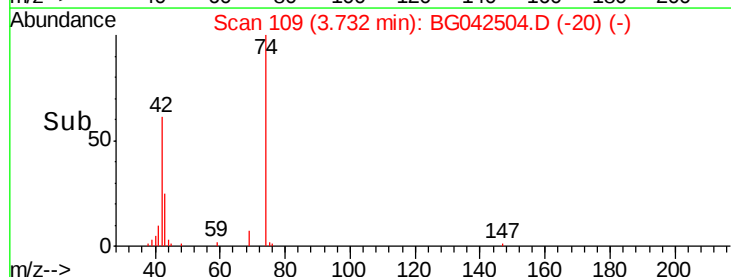
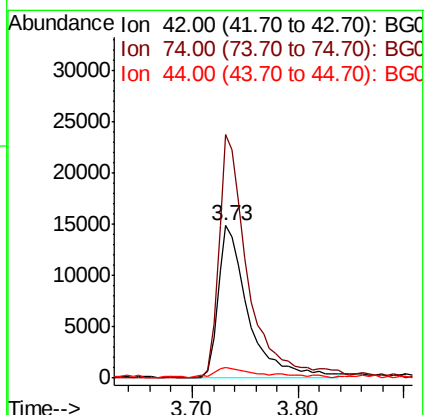
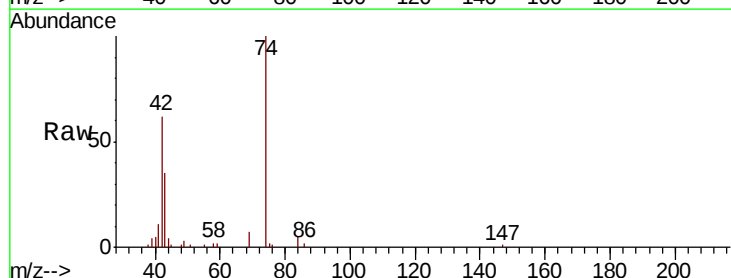
Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Tgt Ion: 42 Resp: 29652

Ion	Ratio	Lower	Upper
42	100		
74	160.1	119.6	179.4
44	6.8	6.5	9.7





#5

2-Fluorophenol

Concen: 139.909 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

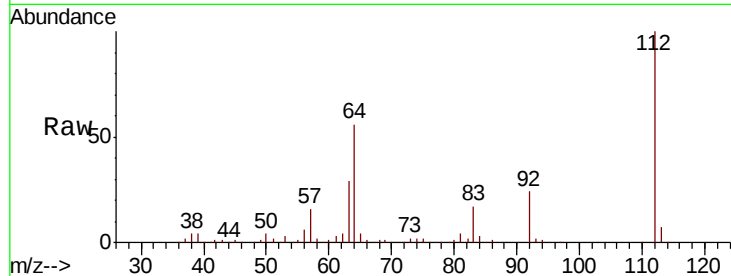
Tgt Ion: 112 Resp: 248996

Ion Ratio Lower Upper

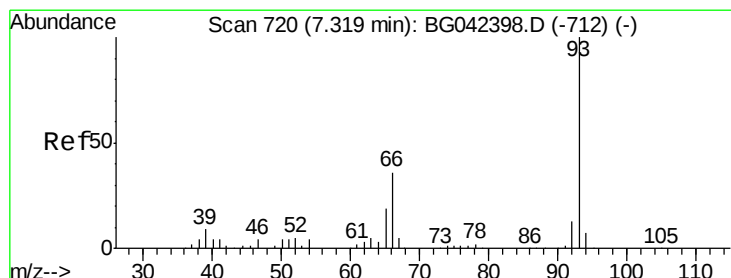
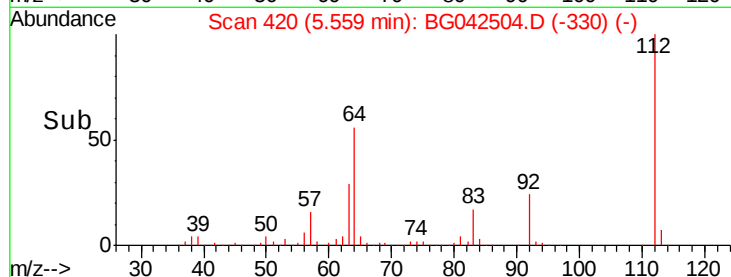
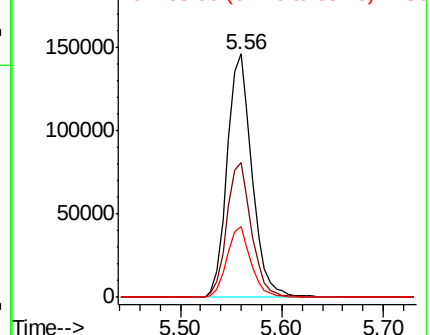
112 100

64 55.5 42.8 64.2

63 28.9 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 27.404 ng

RT: 7.32 min Scan# 719

Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

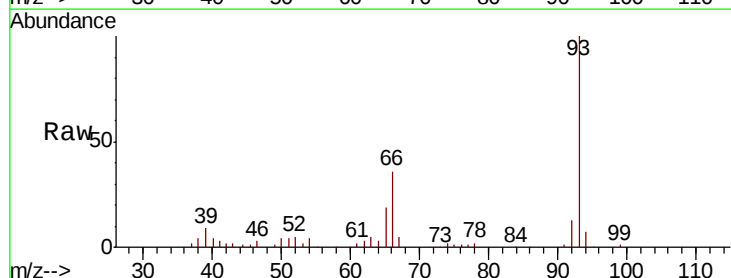
Tgt Ion: 93 Resp: 87867

Ion Ratio Lower Upper

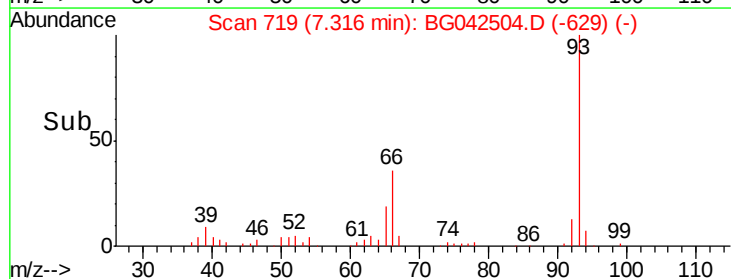
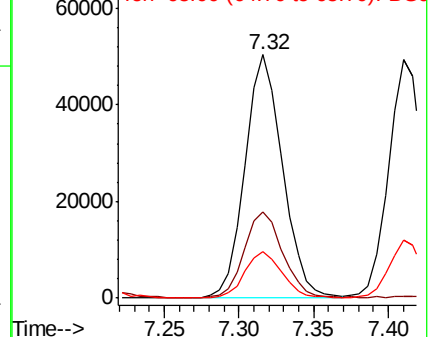
93 100

66 35.7 29.0 43.6

65 19.1 15.2 22.8



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: 137.296 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

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ClientSampleId :

TP-1(1-3)MSD

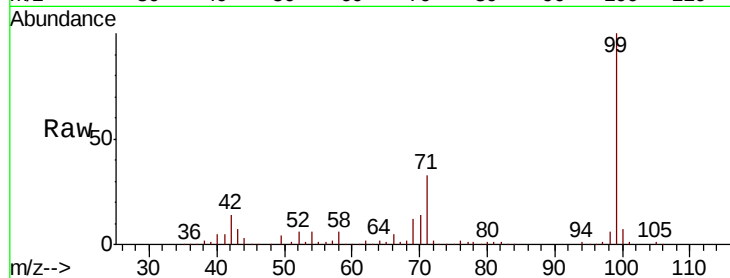
Tgt Ion: 99 Resp: 330056

Ion Ratio Lower Upper

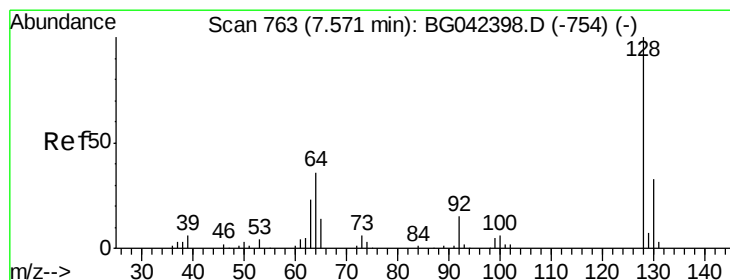
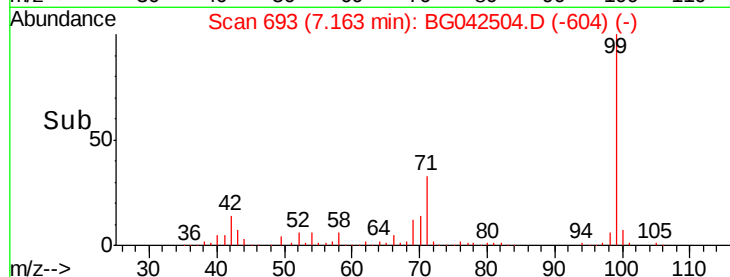
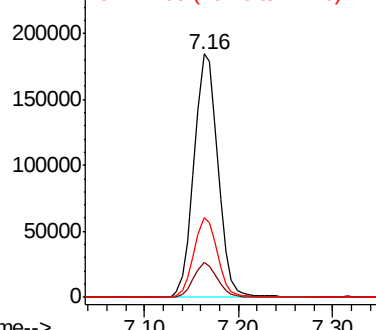
99 100

42 14.4 12.0 18.0

71 32.8 26.3 39.5



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: 45.640 ng

RT: 7.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

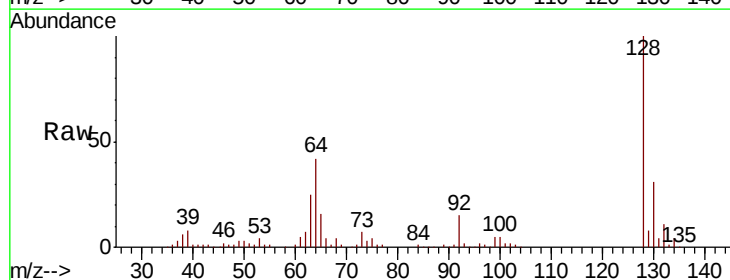
Tgt Ion: 128 Resp: 98438

Ion Ratio Lower Upper

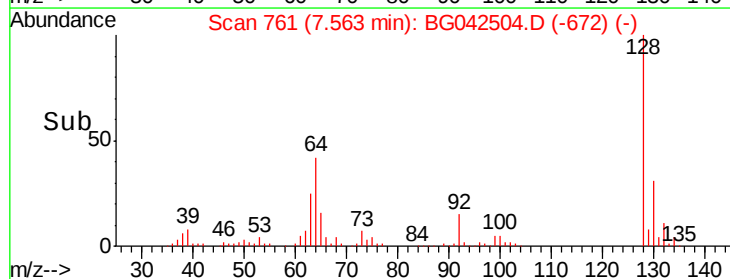
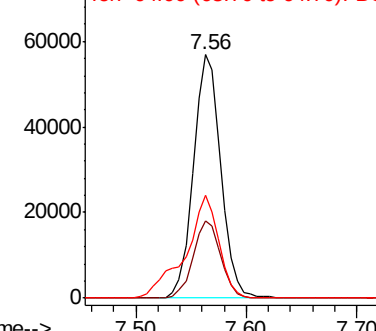
128 100

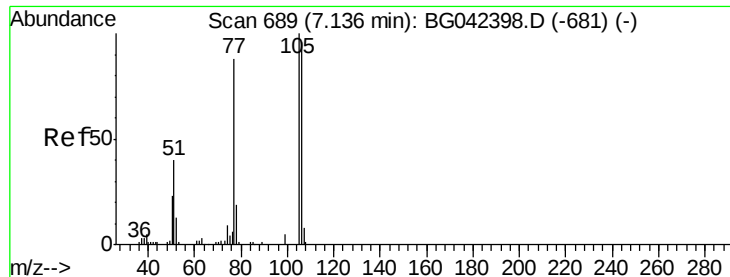
130 31.5 12.8 52.8

64 42.1 19.2 59.2



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: 28.569 ng

RT: 7.13 min Scan# 687

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

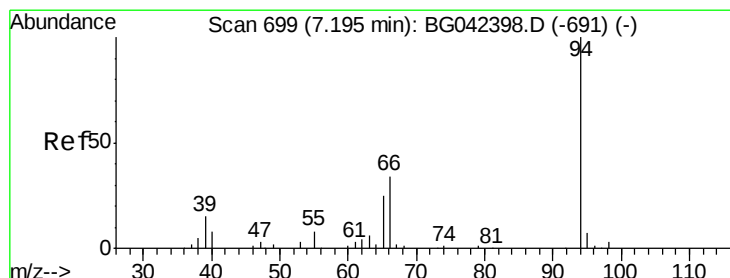
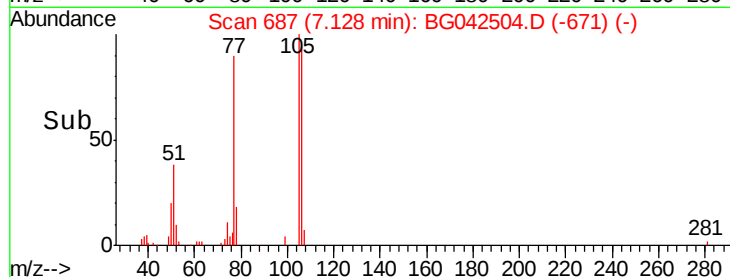
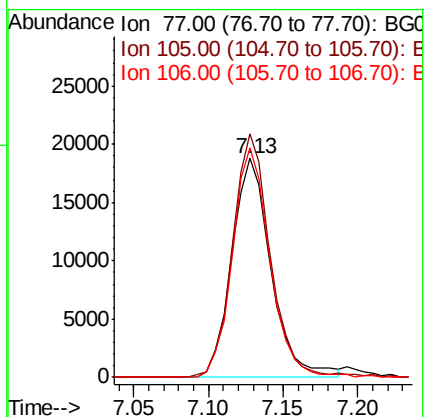
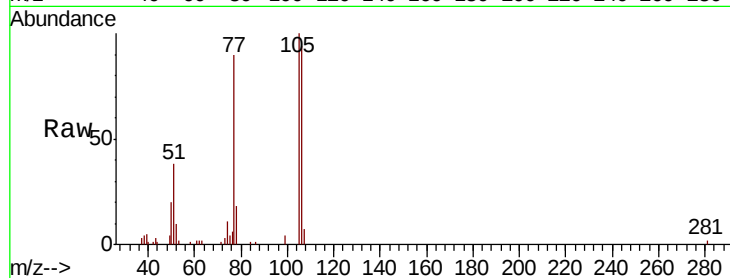
Tgt Ion: 77 Resp: 34383

Ion Ratio Lower Upper

77 100

105 111.1 93.4 133.4

106 104.8 88.4 128.4



#10

Phenol

Concen: 44.429 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

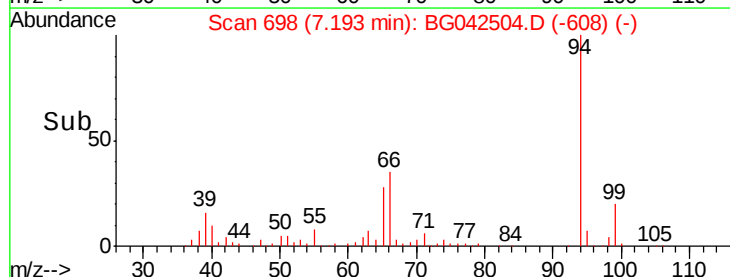
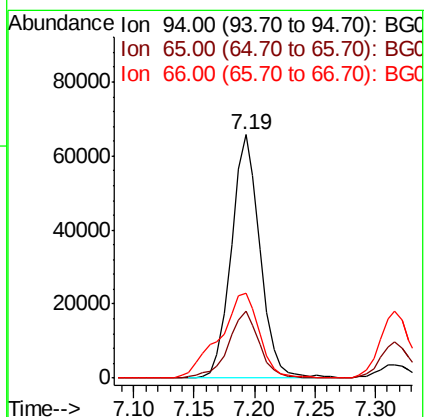
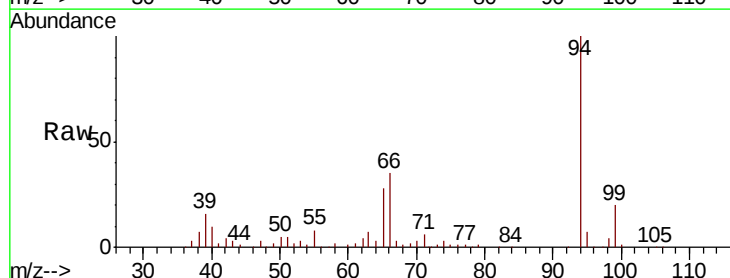
Tgt Ion: 94 Resp: 108594

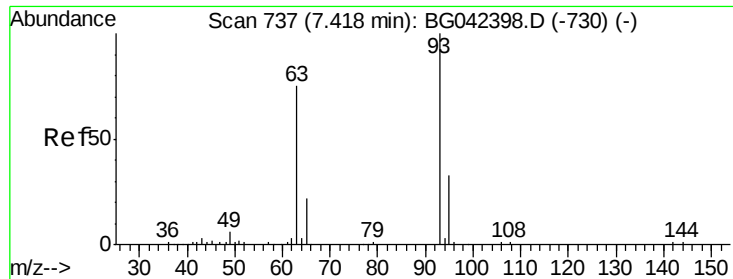
Ion Ratio Lower Upper

94 100

65 27.7 5.6 45.6

66 34.8 16.0 56.0

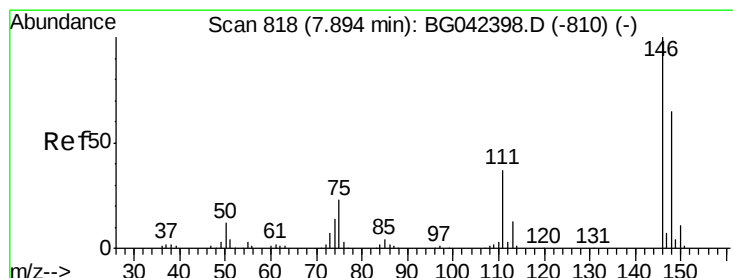
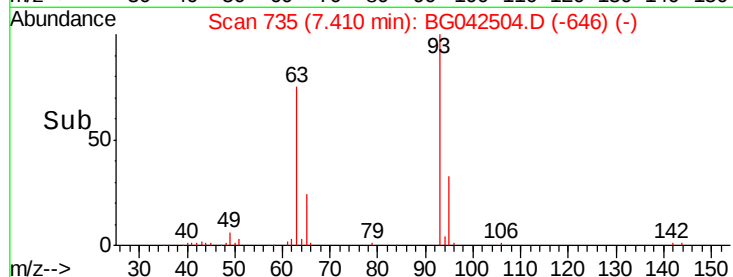
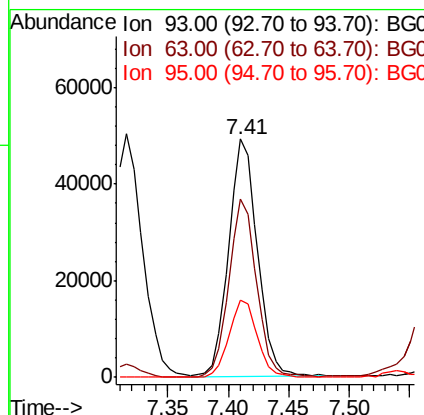
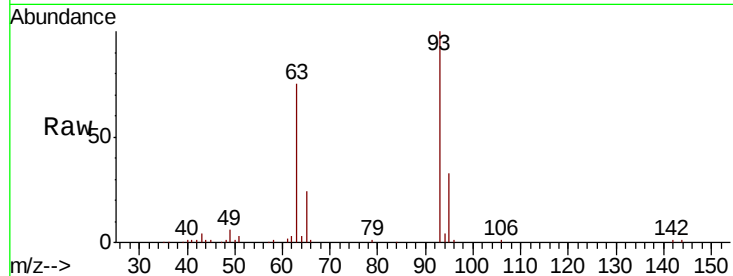




#11
 bis(2-Chloroethyl)ether
 Concen: 42.226 ng
 RT: 7.41 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

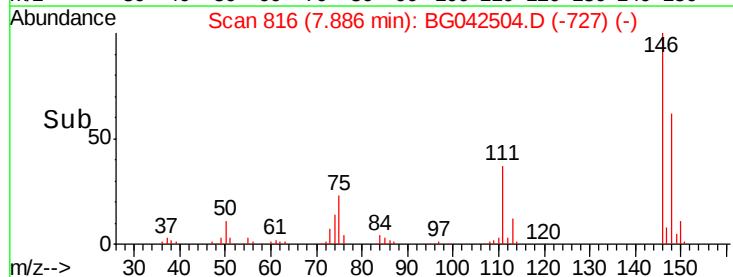
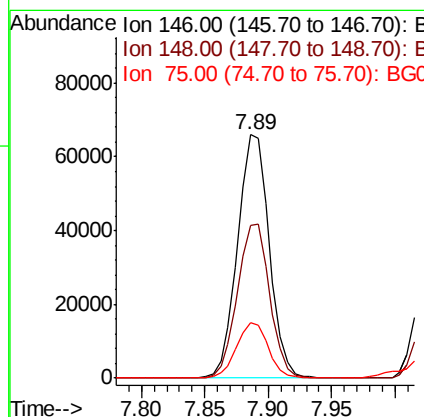
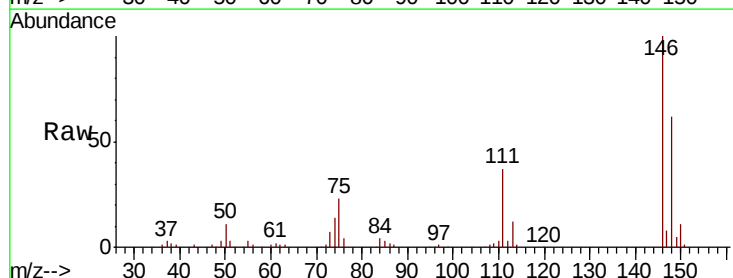
Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tgt Ion: 93 Resp: 81057
 Ion Ratio Lower Upper
 93 100
 63 74.9 53.8 93.8
 95 32.5 13.1 53.1



#12
 1,3-Dichlorobenzene
 Concen: 41.607 ng
 RT: 7.89 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion: 146 Resp: 114162
 Ion Ratio Lower Upper
 146 100
 148 62.5 52.2 78.2
 75 22.8 18.0 27.0

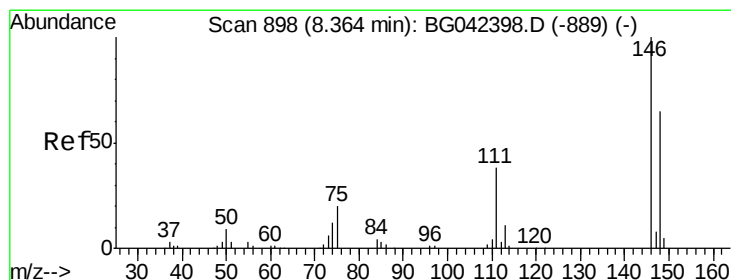
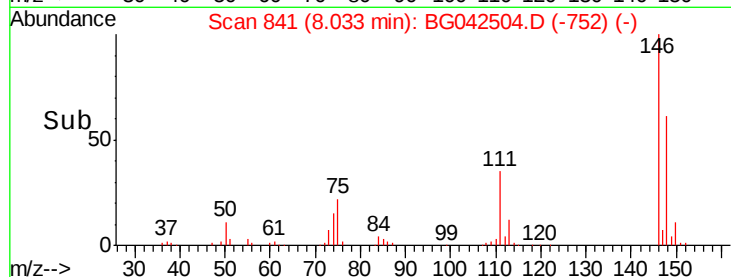
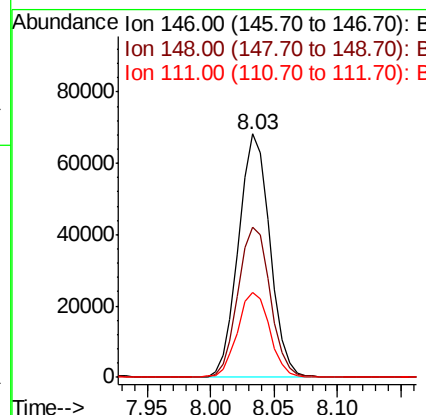
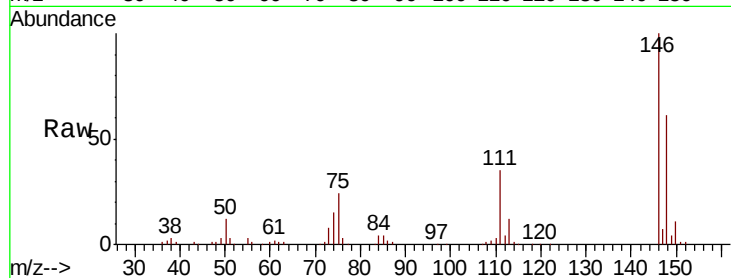




#13
 1,4-Dichlorobenzene
 Concen: 42.119 ng
 RT: 8.03 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

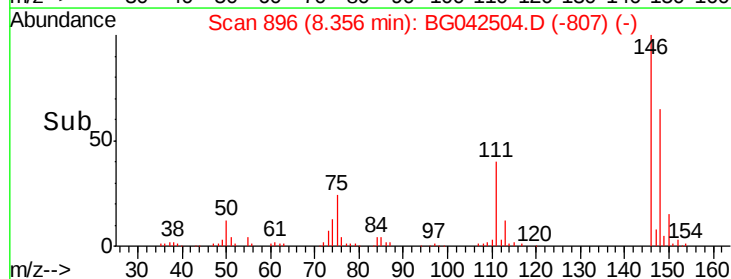
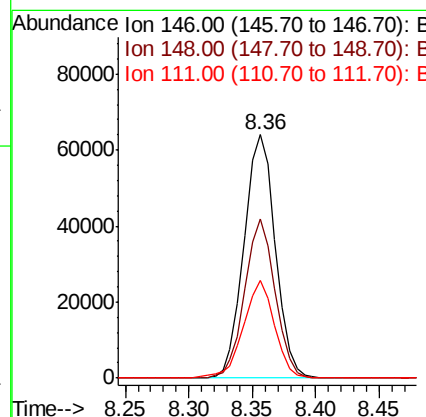
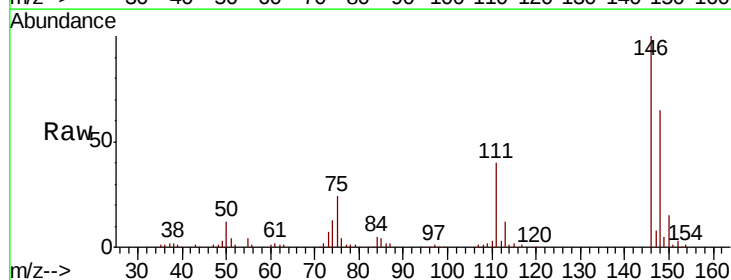
Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

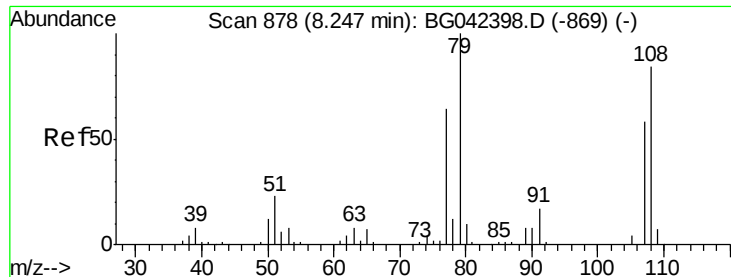
Tgt Ion:146 Resp: 117061
 Ion Ratio Lower Upper
 146 100
 148 61.5 49.5 74.3
 111 35.0 28.1 42.1



#14
 1,2-Dichlorobenzene
 Concen: 41.206 ng
 RT: 8.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion:146 Resp: 109672
 Ion Ratio Lower Upper
 146 100
 148 65.2 51.8 77.6
 111 40.1 30.9 46.3

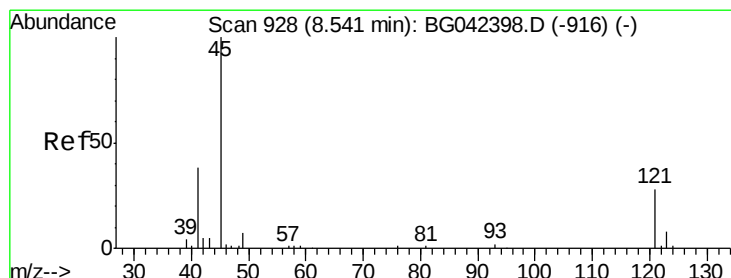
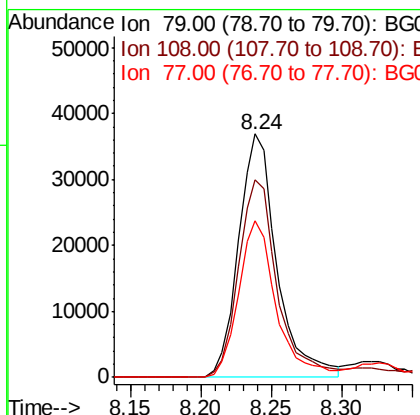
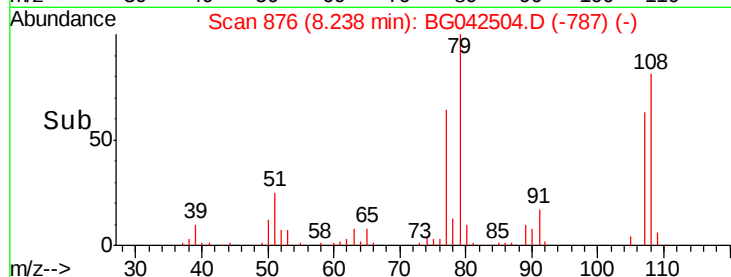
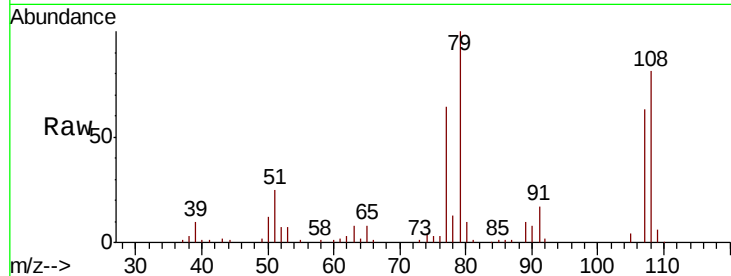




#15
Benzyl Alcohol
Concen: 40.492 ng
RT: 8.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

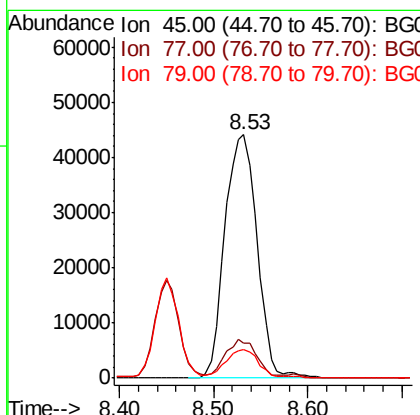
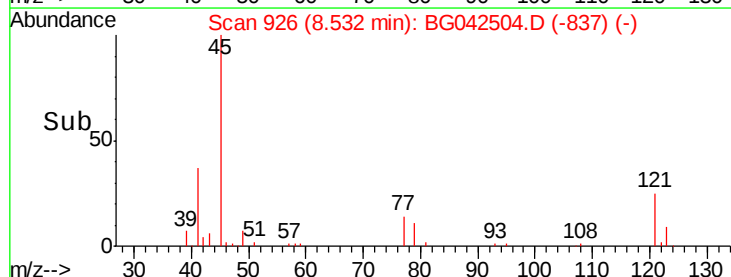
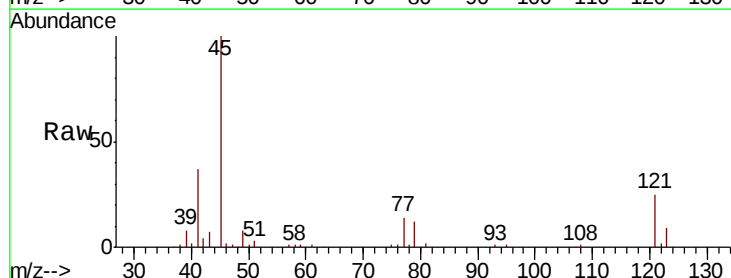
Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tgt Ion: 79 Resp: 70031
Ion Ratio Lower Upper
79 100
108 81.3 67.4 101.2
77 64.5 50.8 76.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.370 ng
RT: 8.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion: 45 Resp: 105034
Ion Ratio Lower Upper
45 100
77 14.4 0.0 35.6
79 11.8 0.0 31.6

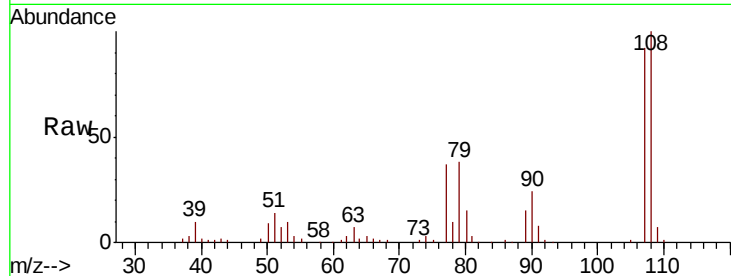




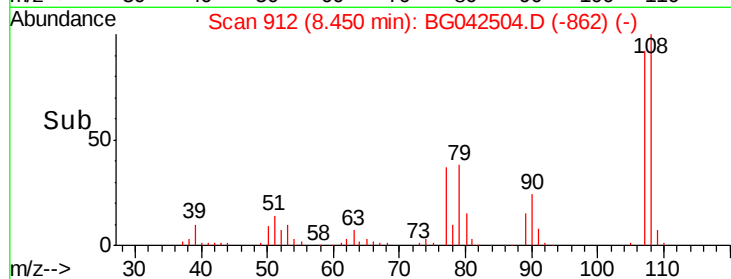
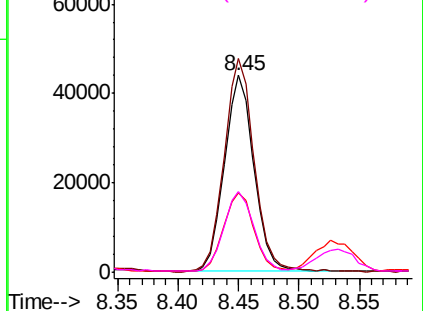
#17
2-Methylphenol
Concen: 41.430 ng
RT: 8.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tgt Ion:	107	Resp:	74587
Ion	Ratio	Lower	Upper
107	100		
108	108.6	92.9	139.3
77	40.3	34.4	51.6
79	41.2	33.8	50.6

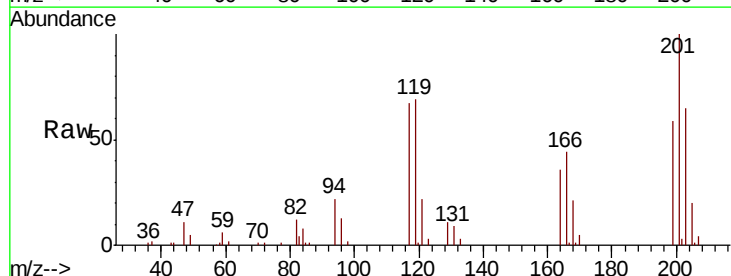


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

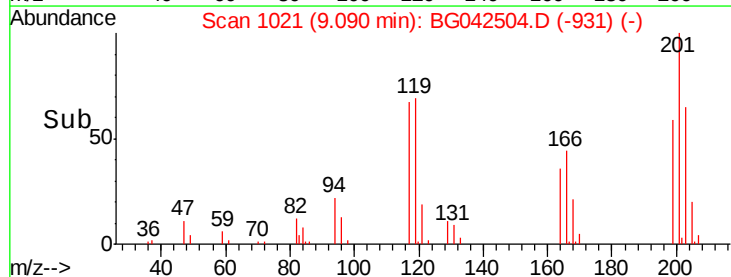
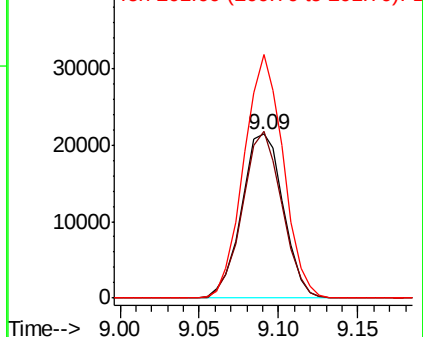


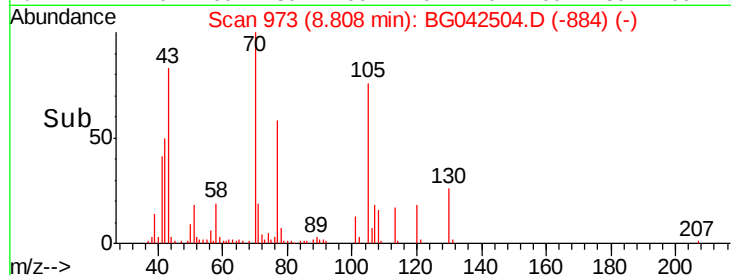
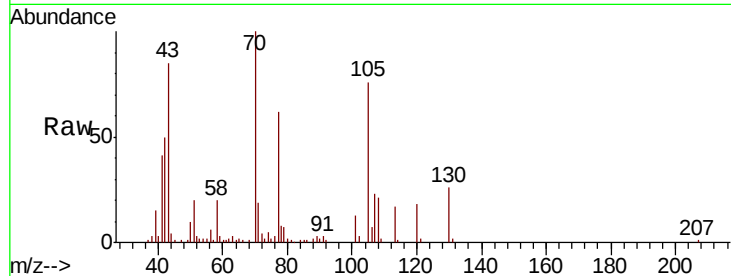
#18
Hexachloroethane
Concen: 41.107 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion:	117	Resp:	39112
Ion	Ratio	Lower	Upper
117	100		
119	101.8	73.8	110.8
201	148.3	108.3	162.5



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

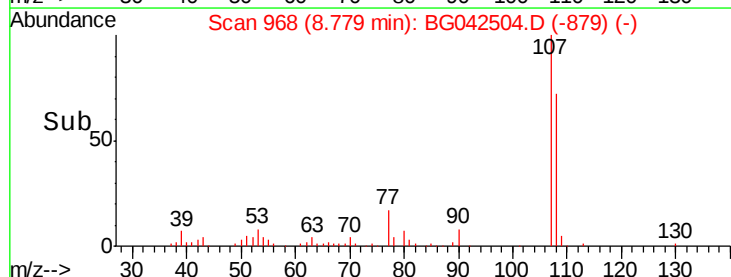
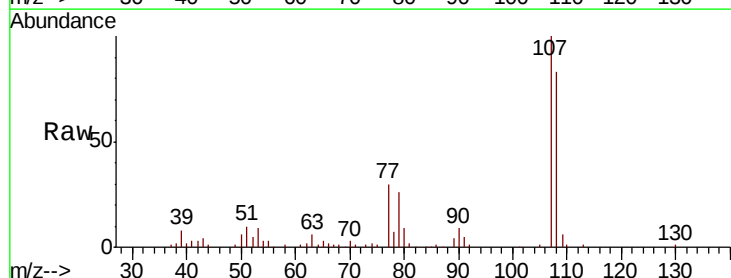
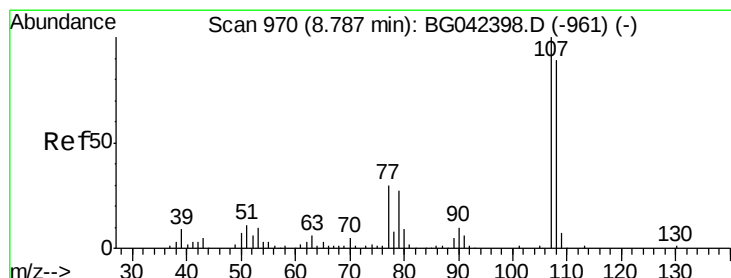
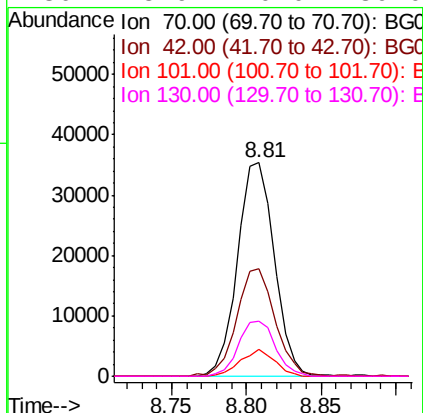




#19
n-Nitroso-di-n-propylamine
Concen: 38.955 ng
RT: 8.81 min Scan# 973
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

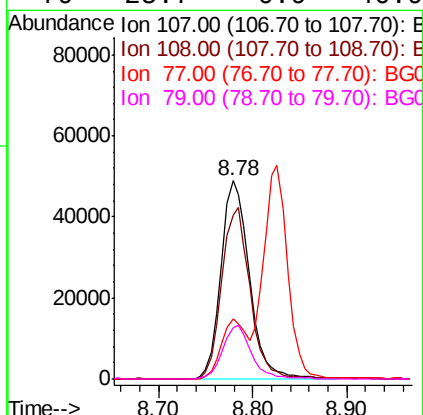
Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tgt Ion:	70	Resp:	60669
Ion	Ratio	Lower	Upper
70	100		
42	50.3	38.8	58.2
101	12.5	9.0	13.6
130	25.9	20.0	30.0



#20
3+4-Methylphenols
Concen: 41.550 ng
RT: 8.78 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion:	107	Resp:	103508
Ion	Ratio	Lower	Upper
107	100		
108	82.8	68.7	108.7
77	30.5	10.2	50.2
79	25.7	6.9	46.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

Tgt Ion:136 Resp: 130596

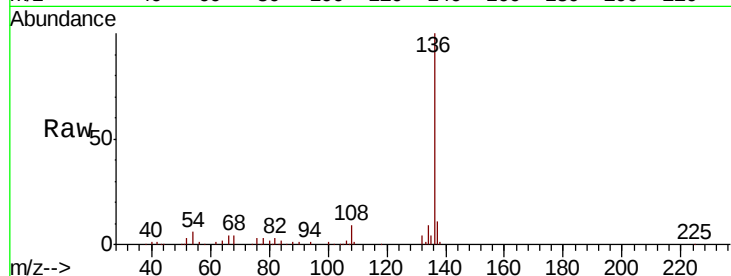
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 6.4 4.9 7.3

68 4.1 3.6 5.4

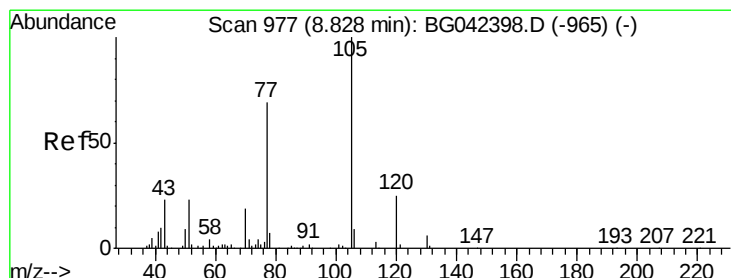
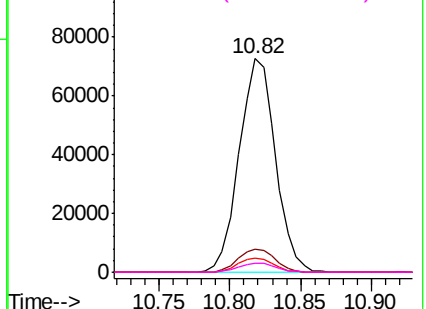
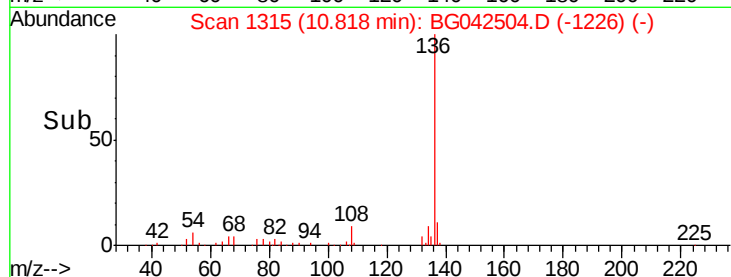


Abundance Ion 136.00 (135.70 to 136.70): E

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: 46.607 ng

RT: 8.83 min Scan# 976

Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Tgt Ion:105 Resp: 130185

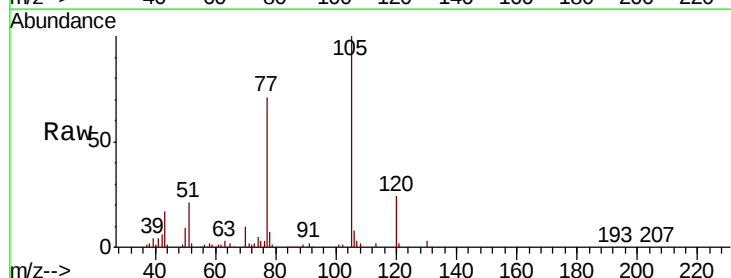
Ion Ratio Lower Upper

105 100

71 1.8 2.8 4.2#

51 21.4 18.7 28.1

120 23.8 20.1 30.1

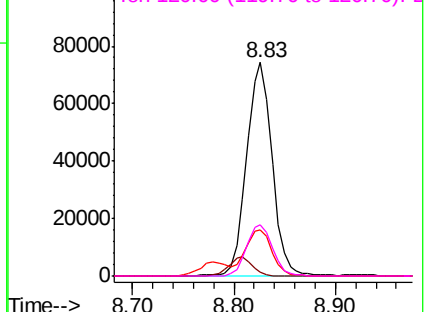
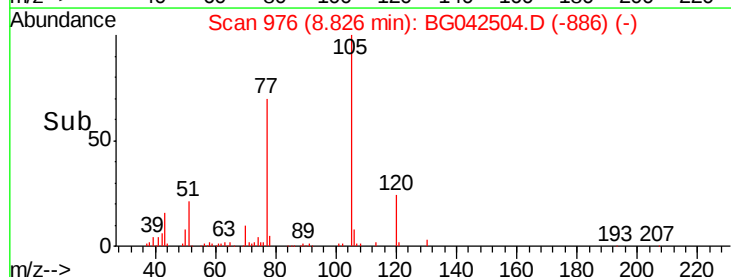


Abundance Ion 105.00 (104.70 to 105.70): E

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

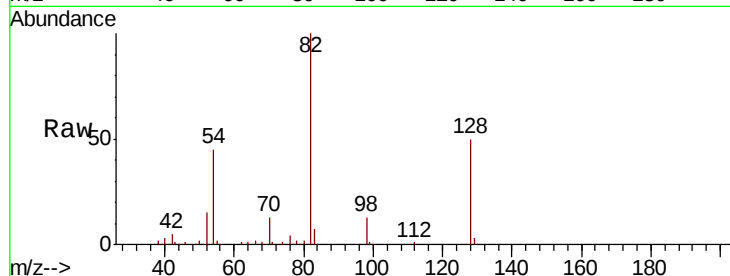




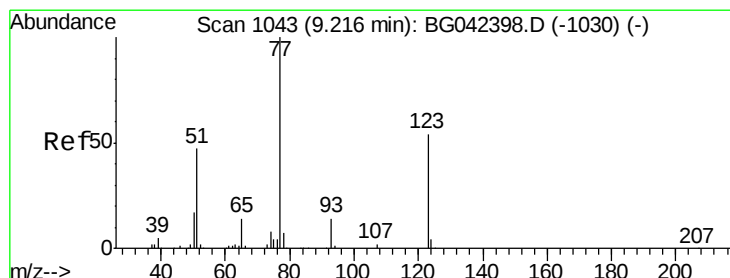
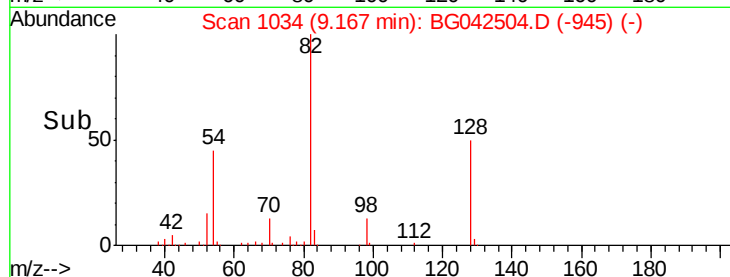
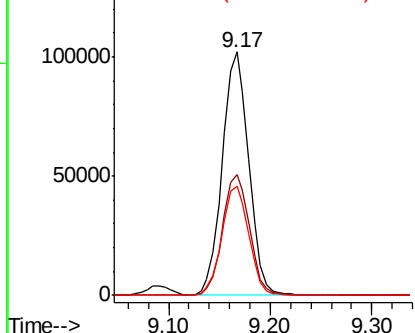
#23
 Nitrobenzene-d5
 Concen: 97.357 ng
 RT: 9.17 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.8	40.7	61.1
54	44.8	36.3	54.5

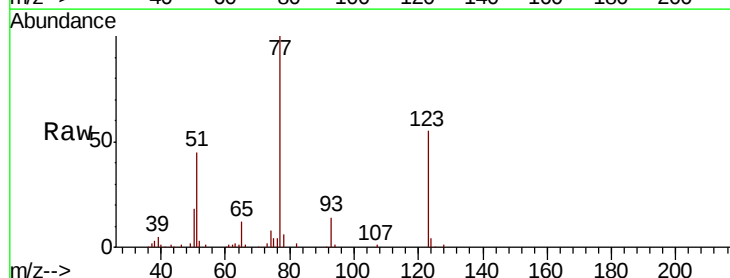


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

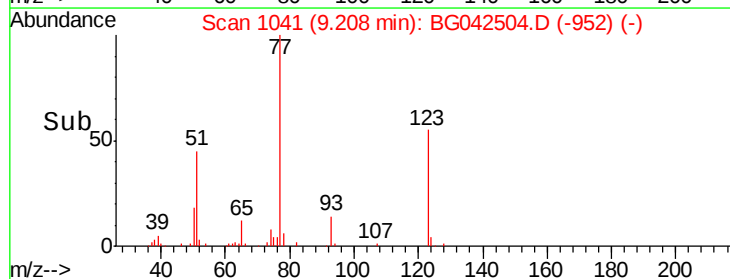
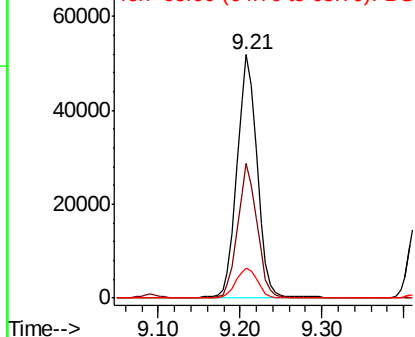


#24
 Nitrobenzene
 Concen: 46.624 ng
 RT: 9.21 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
77	100		
123	55.3	43.4	65.0
65	12.5	11.0	16.6



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 44.371 ng

RT: 9.73 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

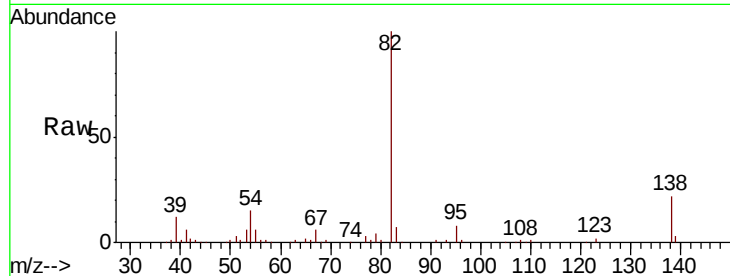
Tgt Ion: 82 Resp: 165489

Ion Ratio Lower Upper

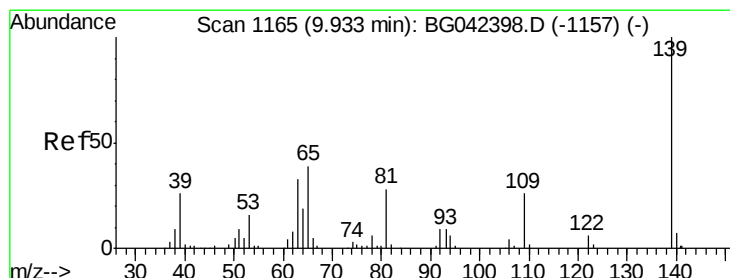
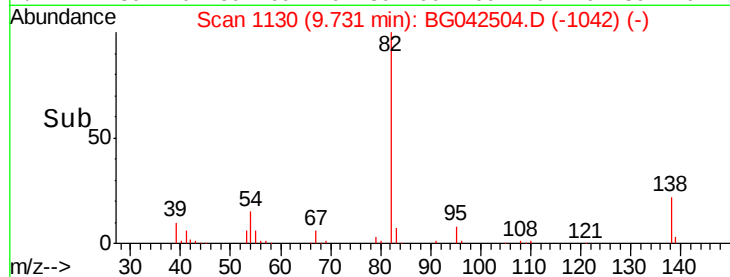
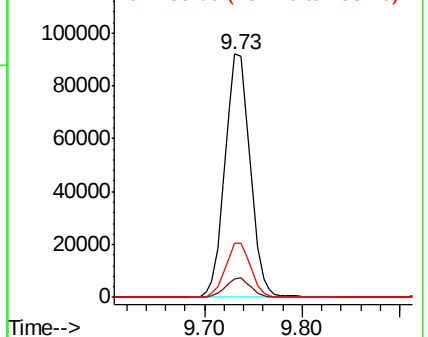
82 100

95 7.7 6.6 9.8

138 22.2 18.6 27.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 46.924 ng

RT: 9.92 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

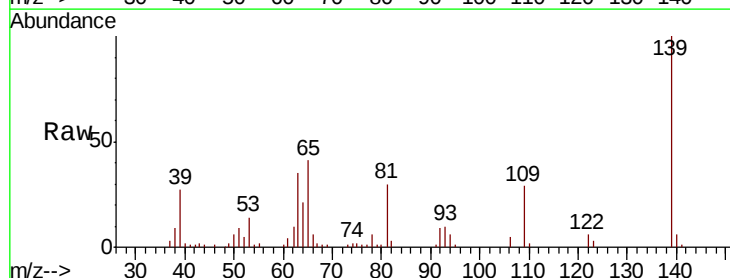
Tgt Ion: 139 Resp: 56275

Ion Ratio Lower Upper

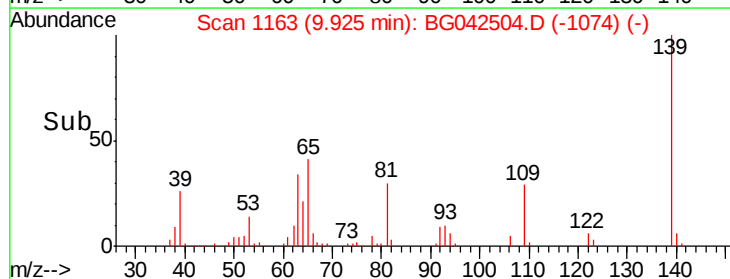
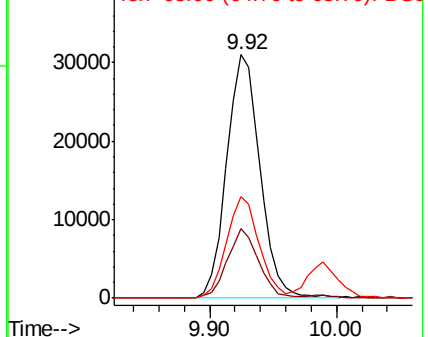
139 100

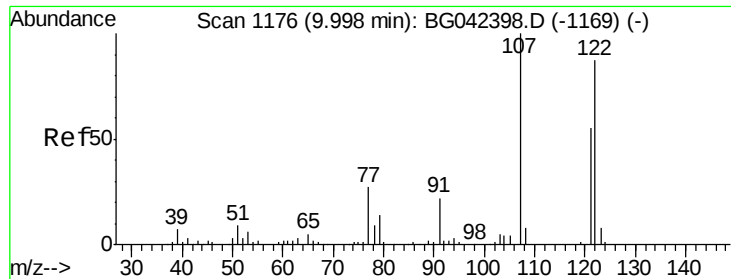
109 28.5 20.5 30.7

65 41.5 30.9 46.3



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

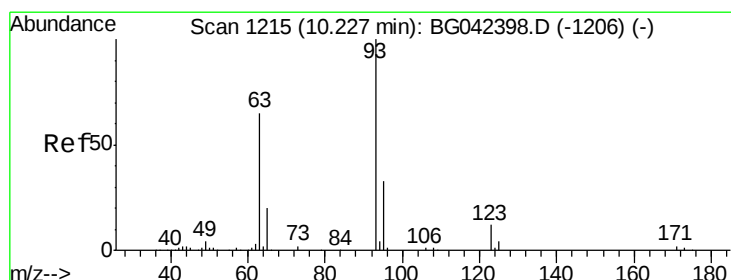
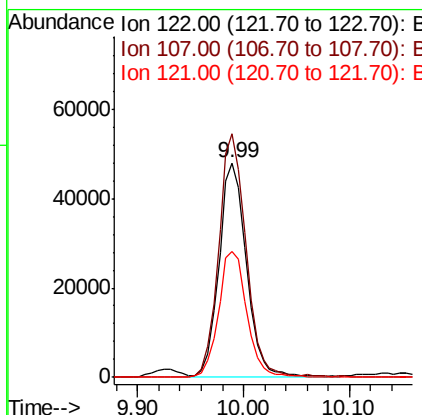
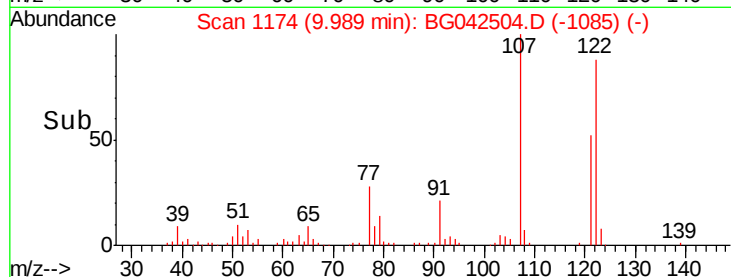
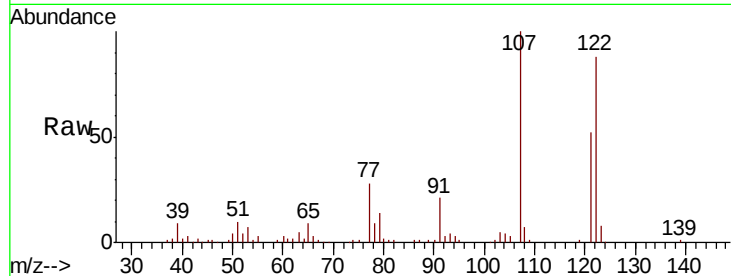




#27
 2,4-Dimethylphenol
 Concen: 52.116 ng
 RT: 9.99 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

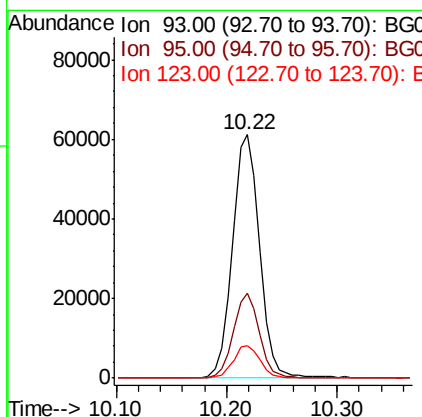
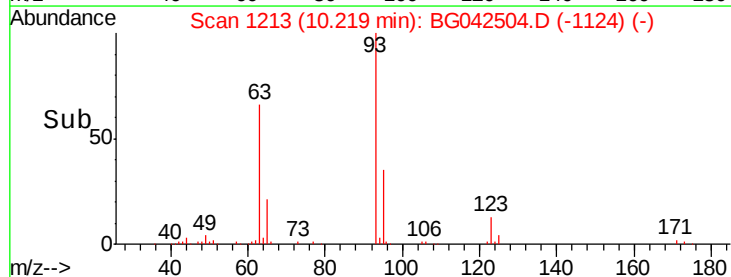
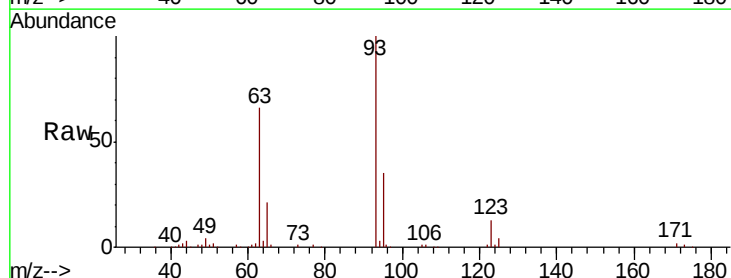
Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tgt Ion: 122 Resp: 86096
 Ion Ratio Lower Upper
 122 100
 107 113.6 90.8 136.2
 121 58.6 49.6 74.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 44.807 ng
 RT: 10.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion: 93 Resp: 105329
 Ion Ratio Lower Upper
 93 100
 95 34.8 26.6 40.0
 123 13.4 10.1 15.1

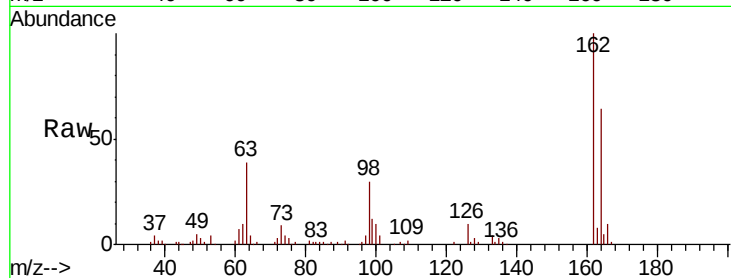




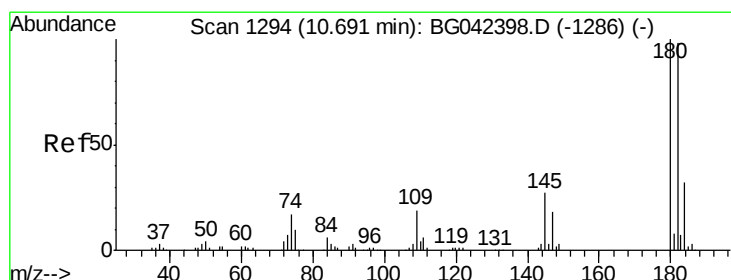
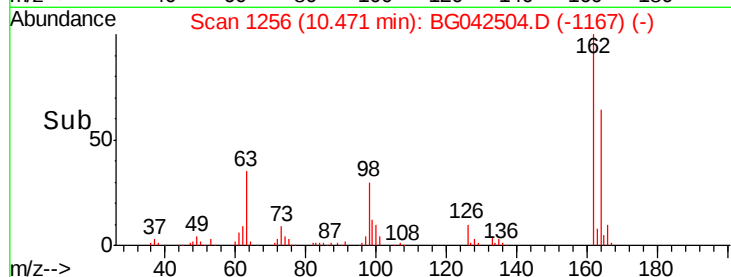
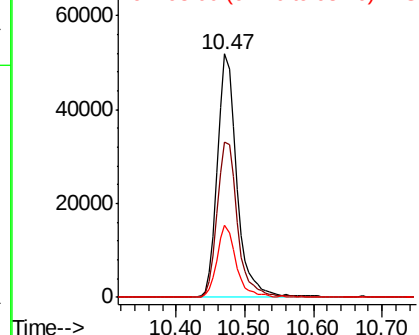
#29
2,4-Dichlorophenol
Concen: 47.351 ng
RT: 10.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tgt Ion:162 Resp: 102345
Ion Ratio Lower Upper
162 100
164 63.9 48.1 88.1
98 29.8 7.6 47.6

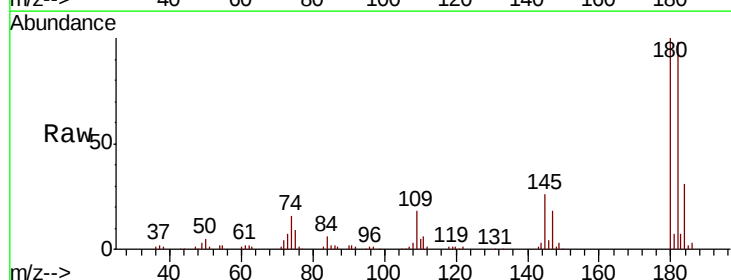


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BGC

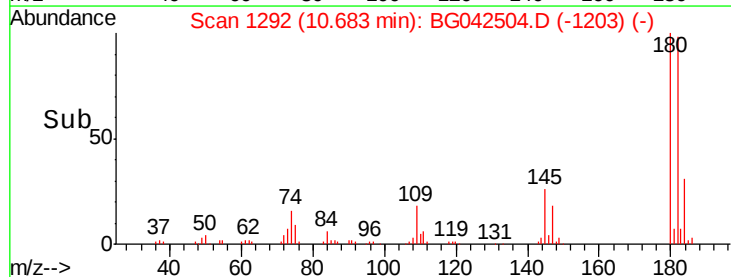
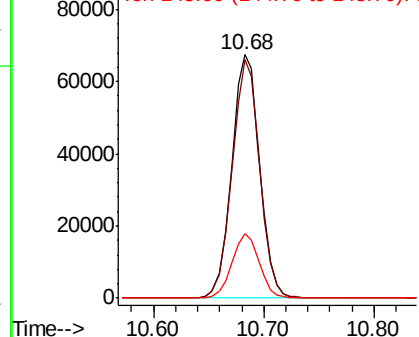


#30
1,2,4-Trichlorobenzene
Concen: 44.875 ng
RT: 10.68 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion:180 Resp: 119052
Ion Ratio Lower Upper
180 100
182 97.9 78.7 118.1
145 26.5 21.6 32.4



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

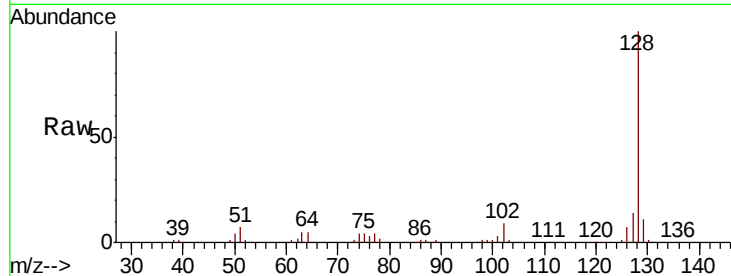




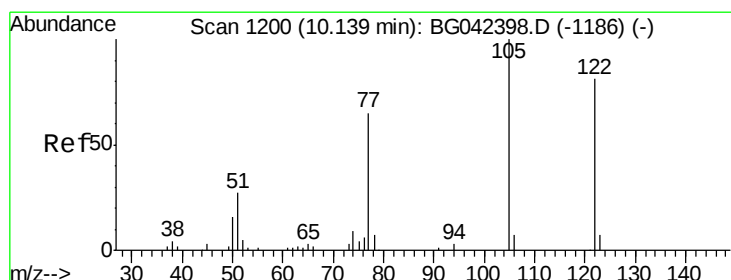
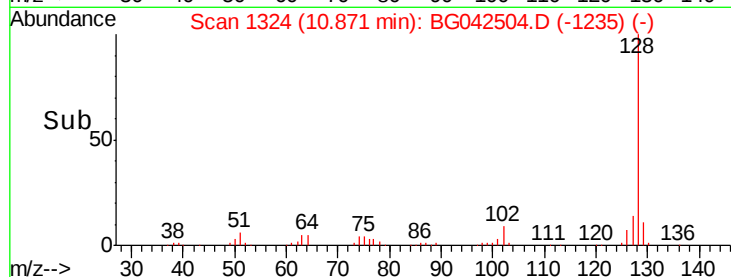
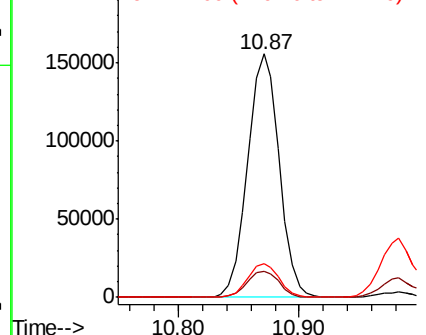
#31
Naphthalene
Concen: 46.645 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tgt Ion:128 Resp: 282819
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 14.0 11.4 17.0

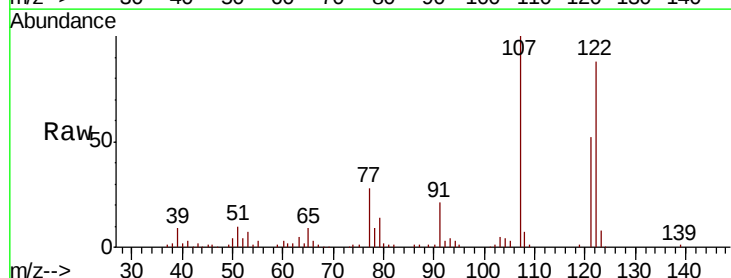


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

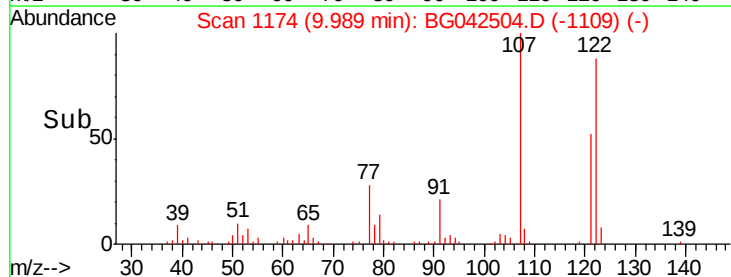
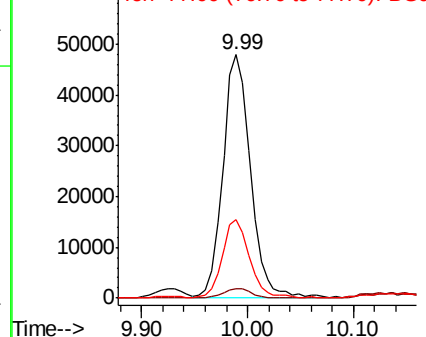


#32
Benzoic acid
Concen: 67.758 ng
RT: 9.99 min Scan# 1174
Delta R.T. -0.15 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion:122 Resp: 86096
Ion Ratio Lower Upper
122 100
105 3.8 99.6 139.6#
77 32.0 59.5 99.5#



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

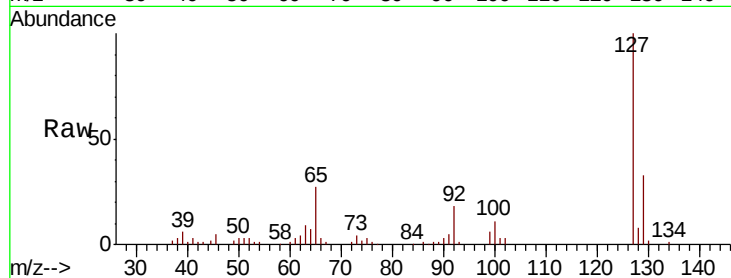




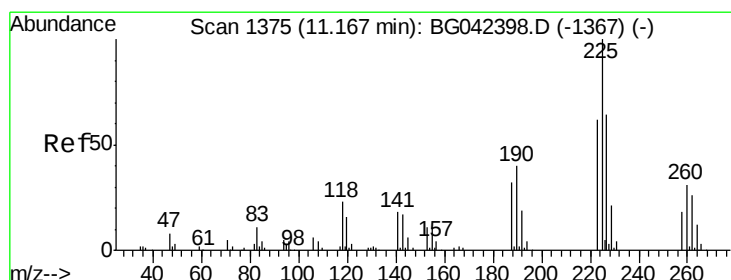
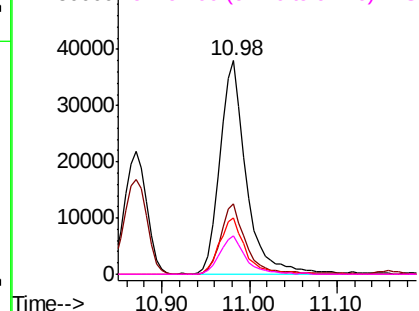
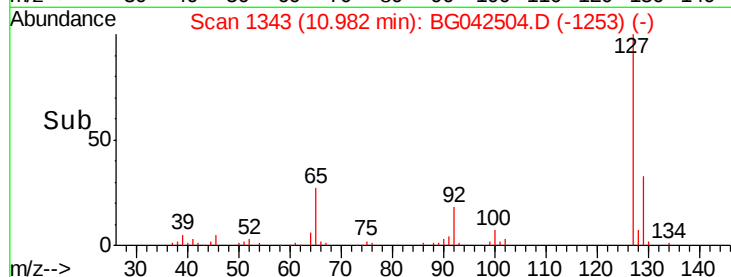
#33
4-Chloroaniline
Concen: 28.383 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tgt Ion:	127	Resp:	79444
Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.8	40.2
65	26.5	20.7	31.1
92	17.7	13.6	20.4

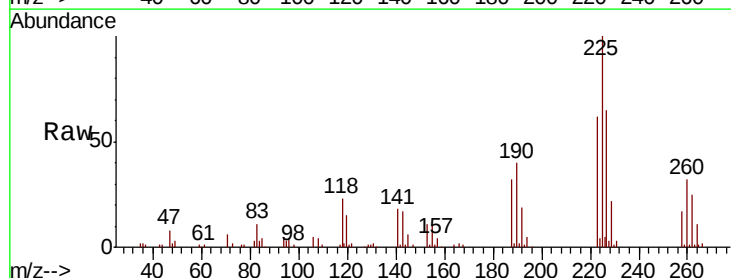


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

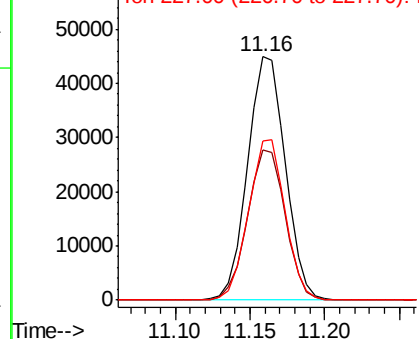
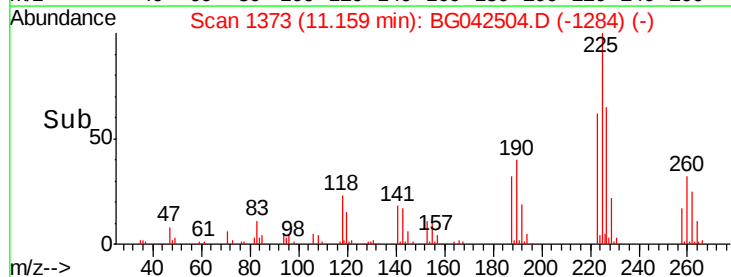


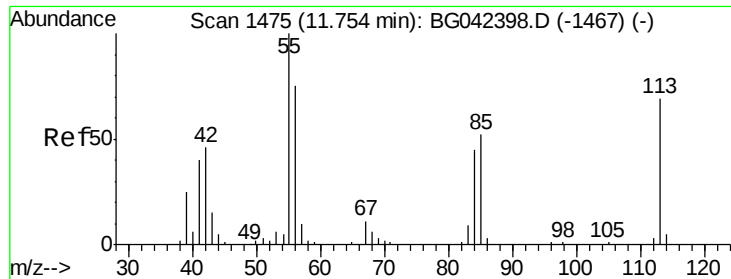
#34
Hexachlorobutadiene
Concen: 43.896 ng
RT: 11.16 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion:	225	Resp:	78265
Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.8	74.6
227	68.6	50.9	76.3



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: 45.214 ng

RT: 11.75 min Scan# 1473

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

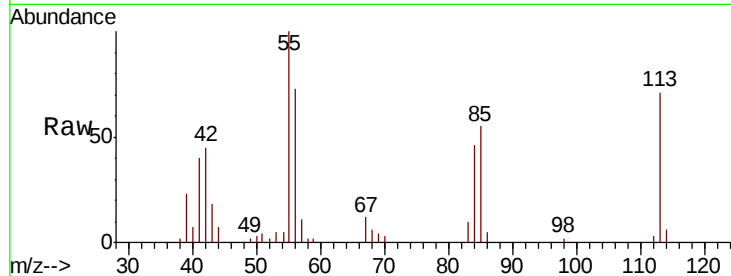
Tgt Ion:113 Resp: 32609

Ion Ratio Lower Upper

113 100

55 140.8 124.6 164.6

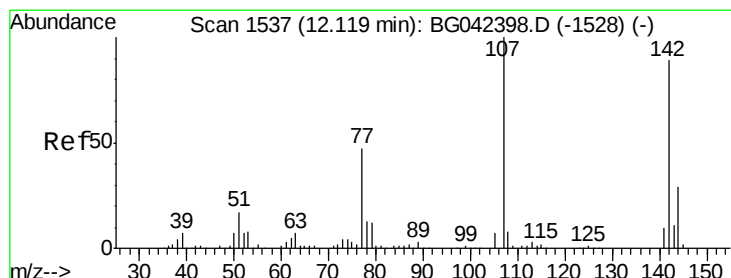
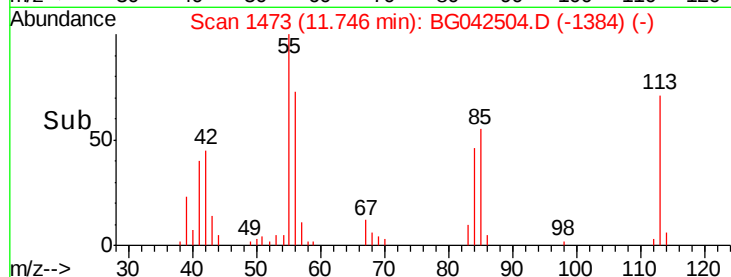
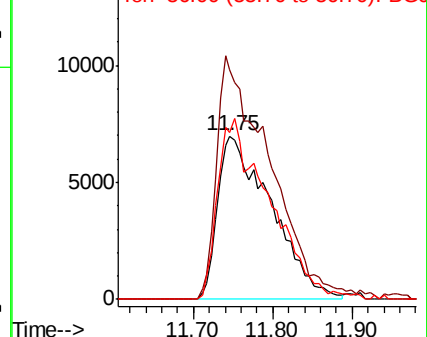
56 102.4 88.3 128.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 43.670 ng

RT: 12.11 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

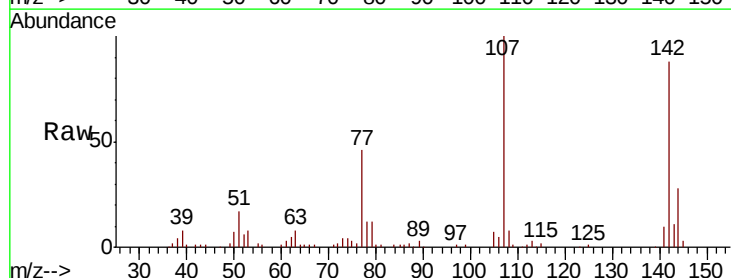
Tgt Ion:107 Resp: 89602

Ion Ratio Lower Upper

107 100

144 28.4 23.6 35.4

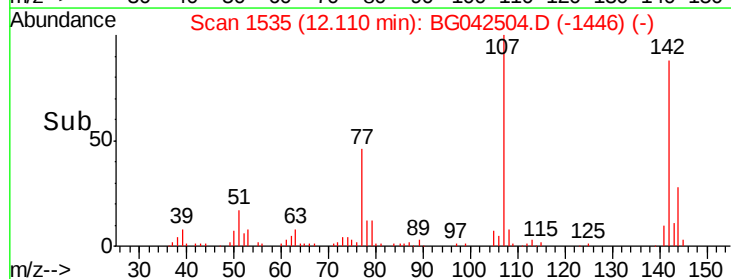
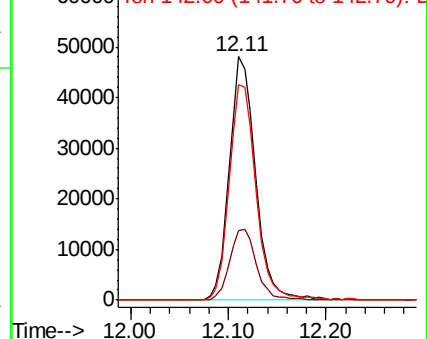
142 88.5 71.0 106.4

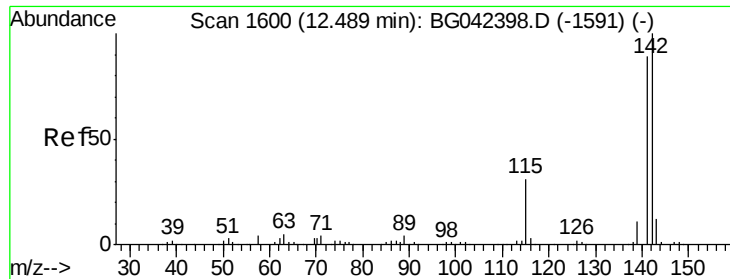


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

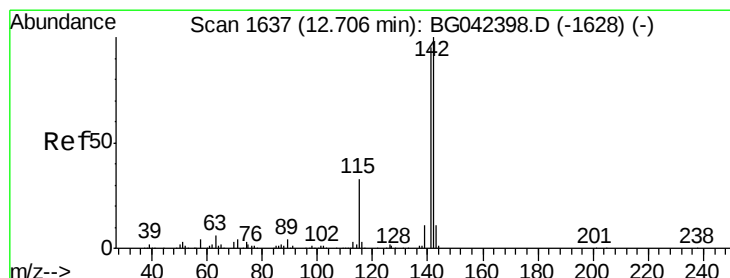
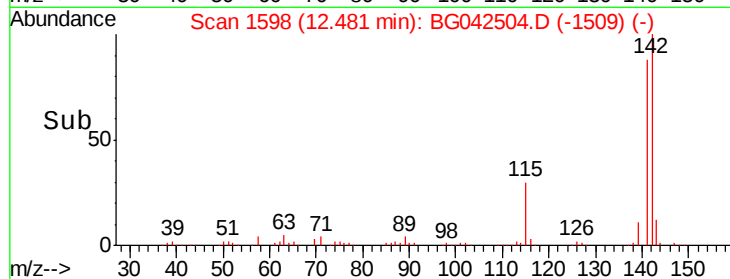
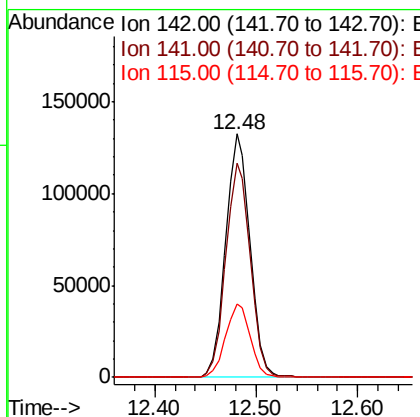
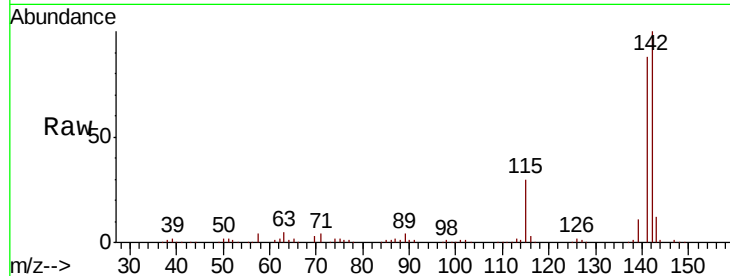




#37
 2-Methylnaphthalene
 Concen: 45.250 ng
 RT: 12.48 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

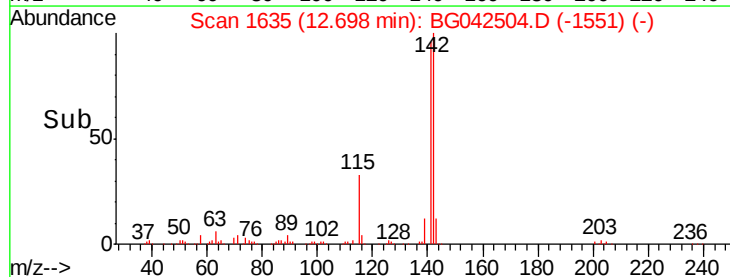
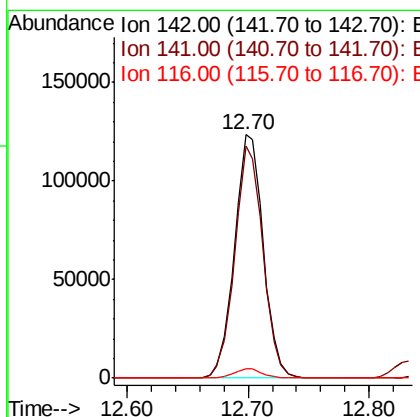
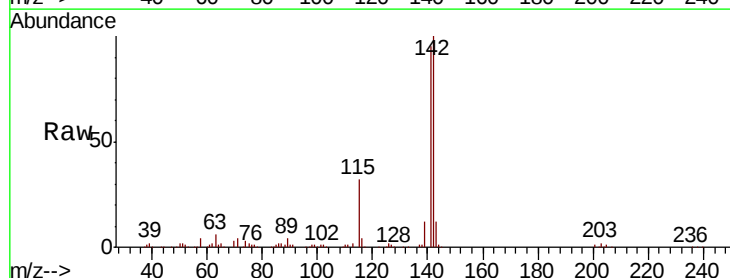
Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.4	107.2
115	30.2	25.2	37.8



#38
 1-Methylnaphthalene
 Concen: 44.270 ng
 RT: 12.70 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.4	76.2	114.2
116	3.8	2.8	4.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

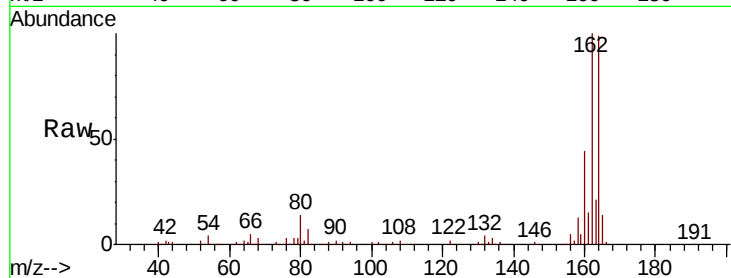
Tgt Ion:164 Resp: 86638

Ion Ratio Lower Upper

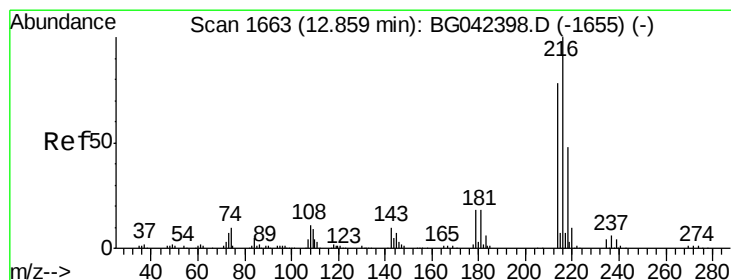
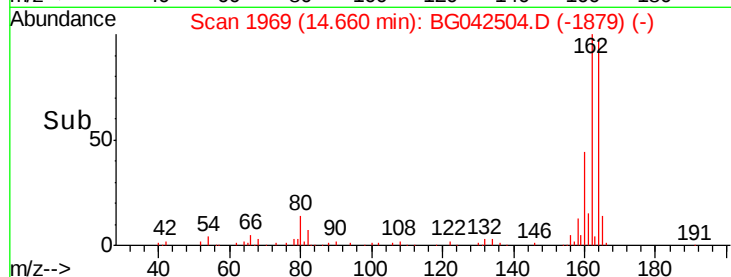
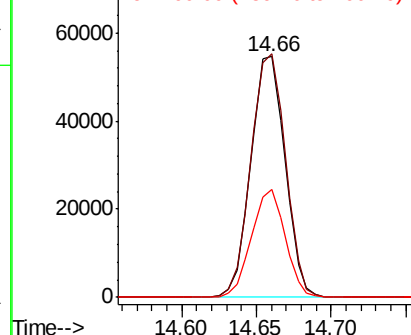
164 100

162 101.2 79.9 119.9

160 44.7 34.3 51.5



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: 48.894 ng

RT: 12.85 min Scan# 1661

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Tgt Ion:216 Resp: 136036

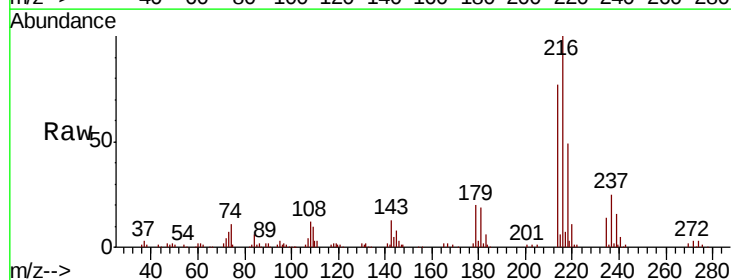
Ion Ratio Lower Upper

216 100

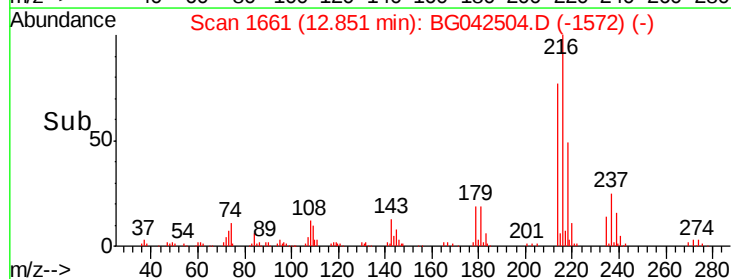
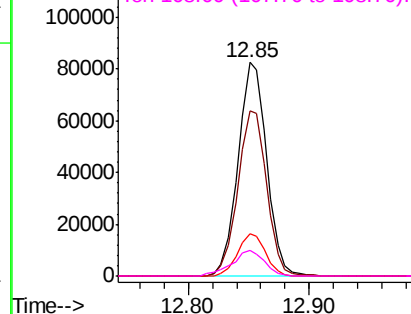
214 78.1 61.4 92.2

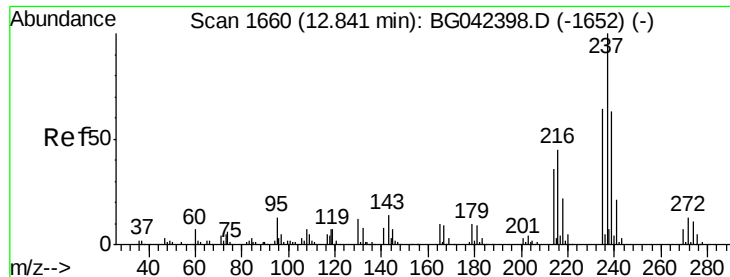
179 19.3 15.1 22.7

108 13.6 9.4 14.0



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: 101.049 ng

RT: 12.83 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

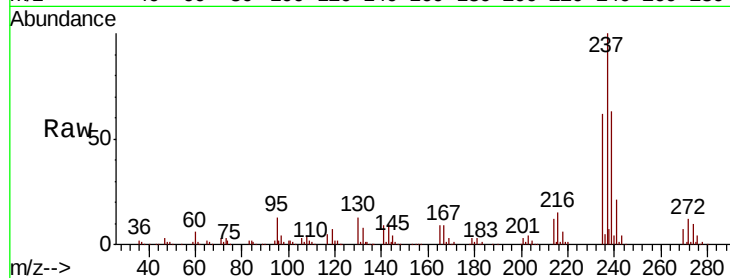
Tgt Ion:237 Resp: 147681

Ion Ratio Lower Upper

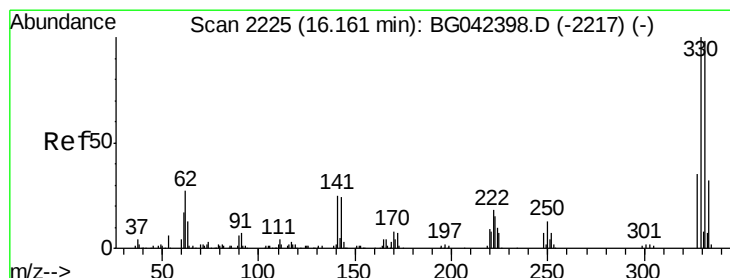
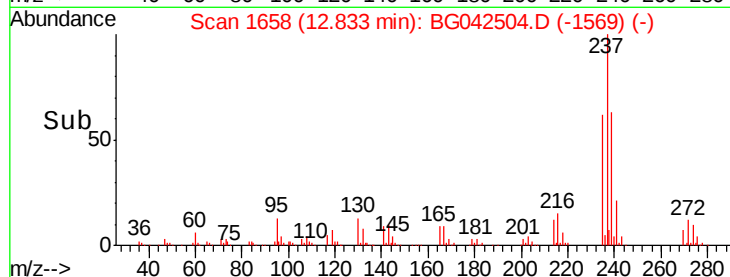
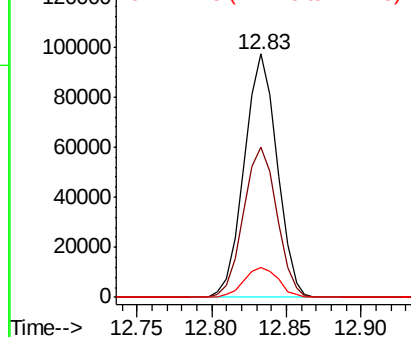
237 100

235 61.7 43.7 83.7

272 12.4 0.0 33.3



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: 140.951 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

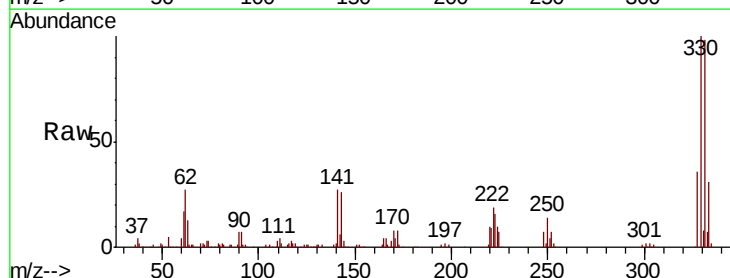
Tgt Ion:330 Resp: 173569

Ion Ratio Lower Upper

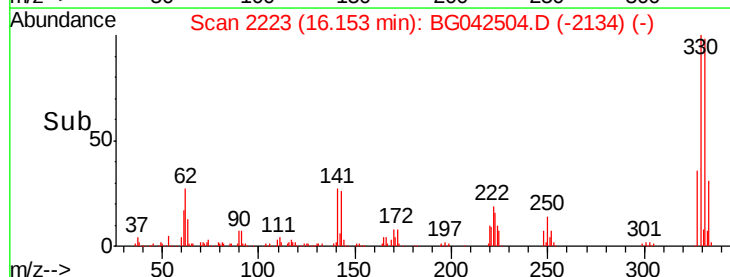
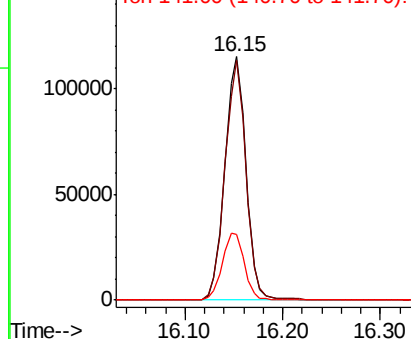
330 100

332 97.7 77.4 116.0

141 28.6 21.4 32.0



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

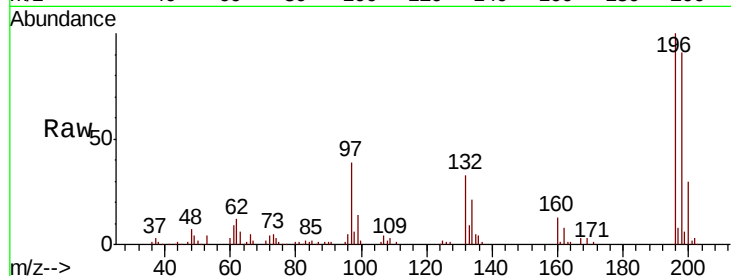




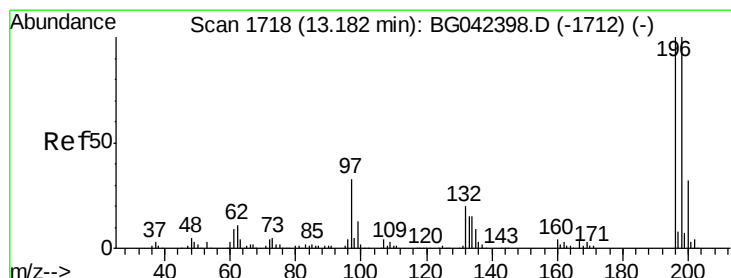
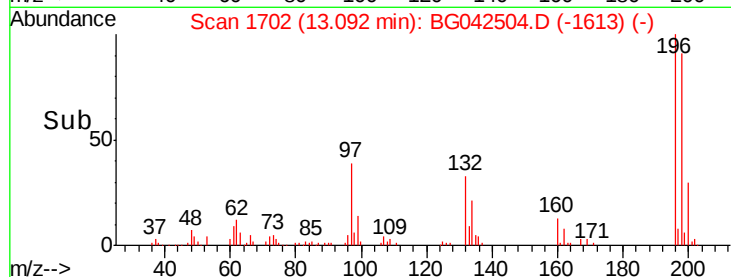
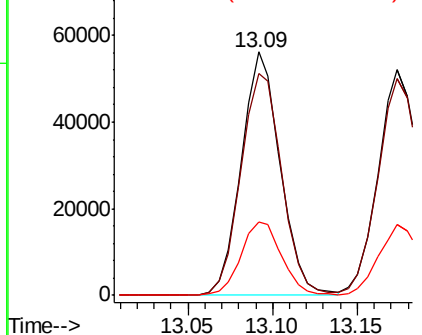
#43
 2,4,6-Trichlorophenol
 Concen: 47.862 ng
 RT: 13.09 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tgt Ion:196 Resp: 90010
 Ion Ratio Lower Upper
 196 100
 198 91.1 80.7 121.1
 200 30.3 25.7 38.5



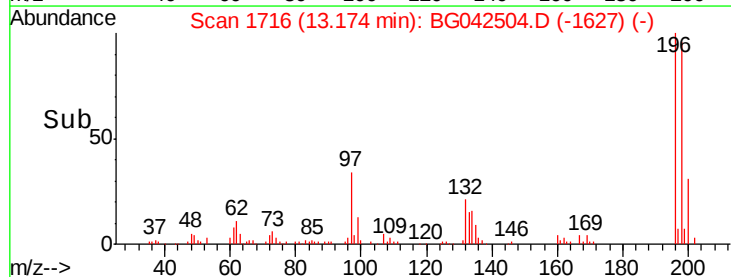
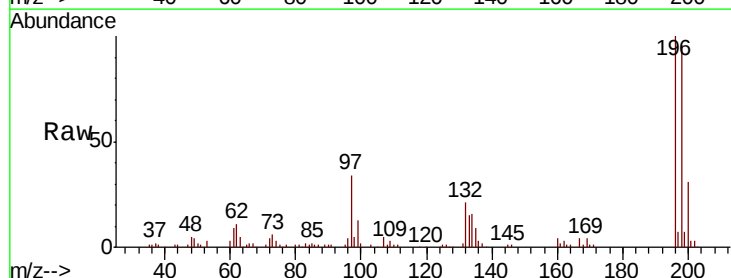
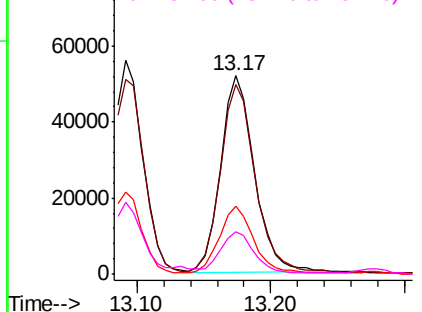
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

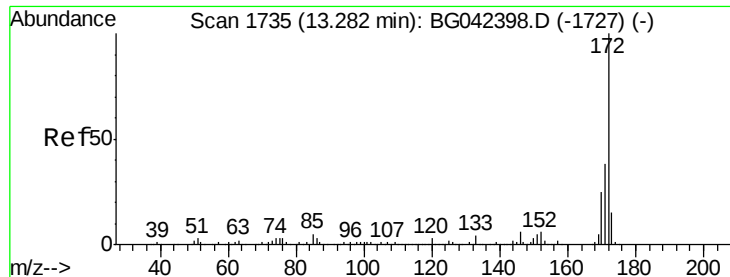


#44
 2,4,5-Trichlorophenol
 Concen: 47.368 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion:196 Resp: 92313
 Ion Ratio Lower Upper
 196 100
 198 95.9 80.2 120.4
 97 34.1 26.3 39.5
 132 21.5 16.6 24.8

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E

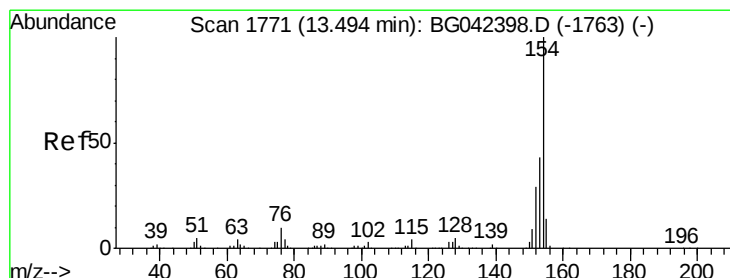
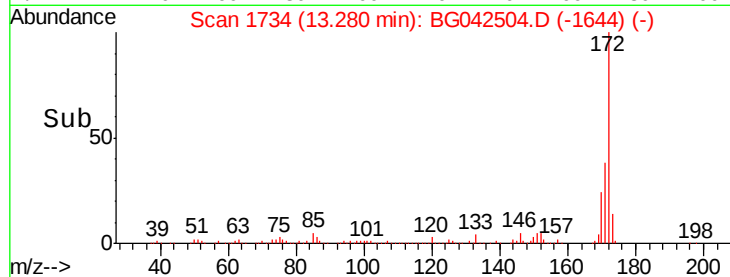
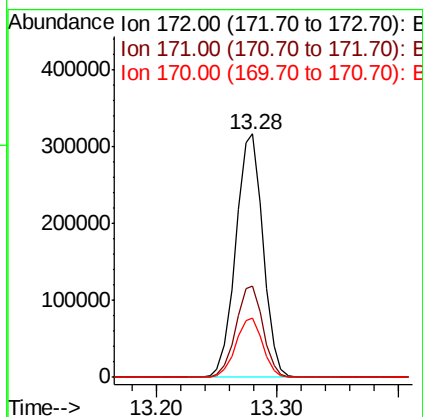
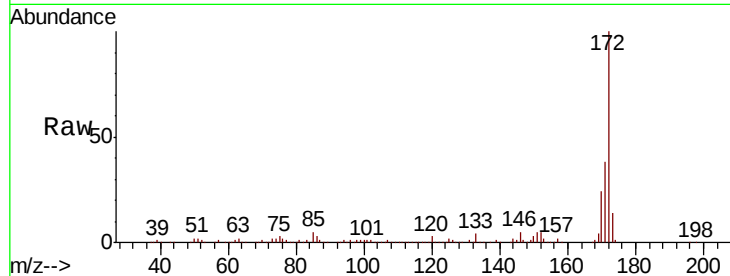




#45
2-Fluorobiphenyl
Concen: 97.053 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

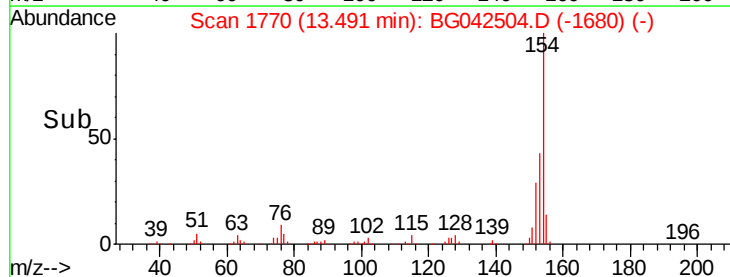
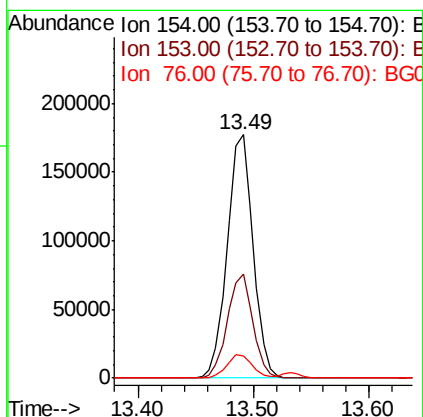
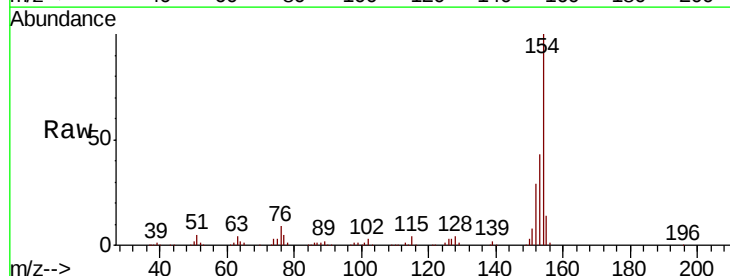
Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

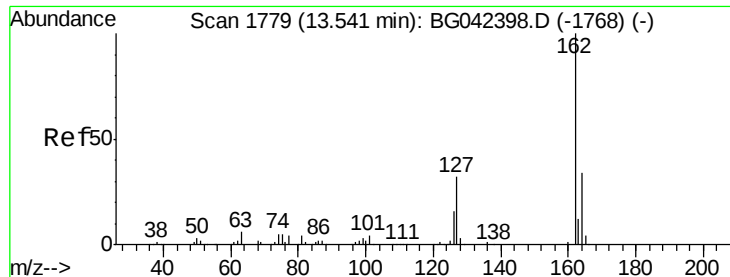
Tgt Ion:172 Resp: 497165
Ion Ratio Lower Upper
172 100
171 37.6 30.5 45.7
170 24.5 20.2 30.2



#46
1,1'-Biphenyl
Concen: 48.902 ng
RT: 13.49 min Scan# 1770
Delta R.T. -0.00 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion:154 Resp: 273866
Ion Ratio Lower Upper
154 100
153 42.6 23.0 63.0
76 9.1 0.0 29.6





#47

2-Chloronaphthalene

Concen: 46.879 ng

RT: 13.53 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

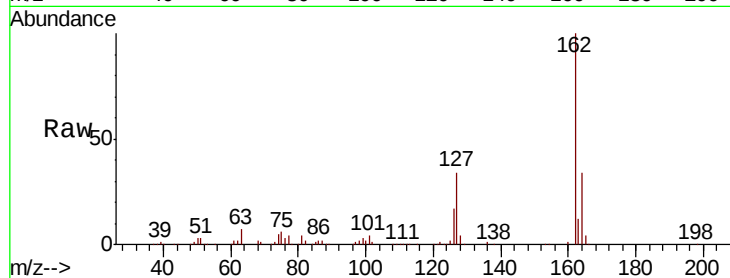
Tgt Ion: 162 Resp: 226380

Ion Ratio Lower Upper

162 100

127 33.9 26.0 39.0

164 33.8 27.4 41.0

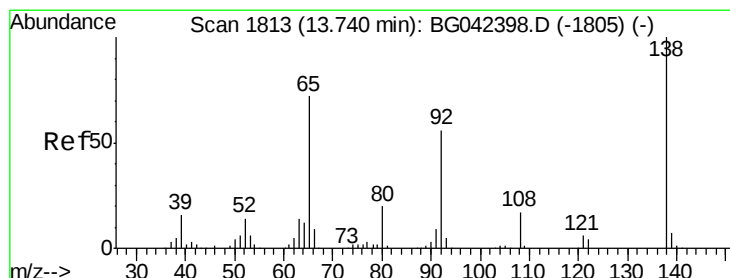
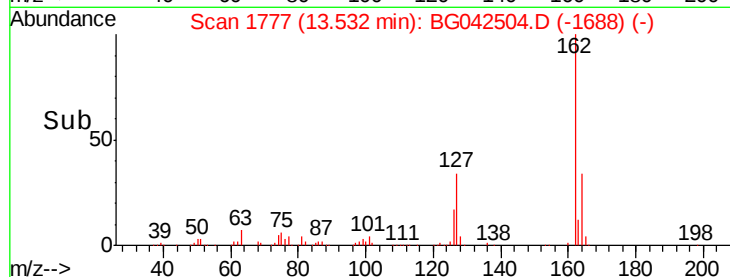
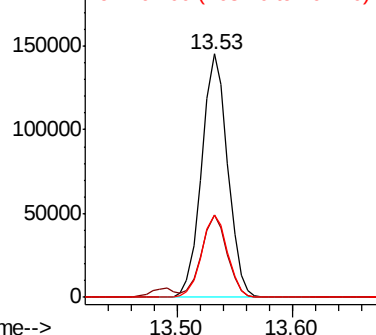


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 44.399 ng

RT: 13.73 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

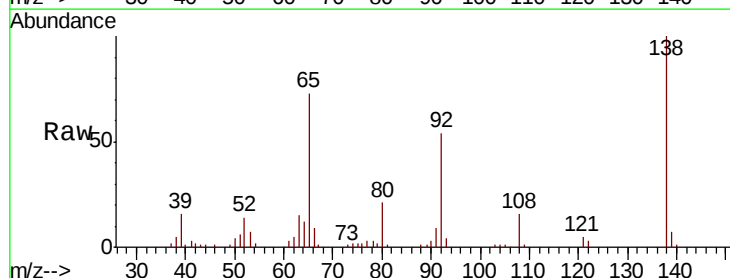
Tgt Ion: 65 Resp: 51701

Ion Ratio Lower Upper

65 100

92 74.0 61.8 92.6

138 137.4 111.0 166.6

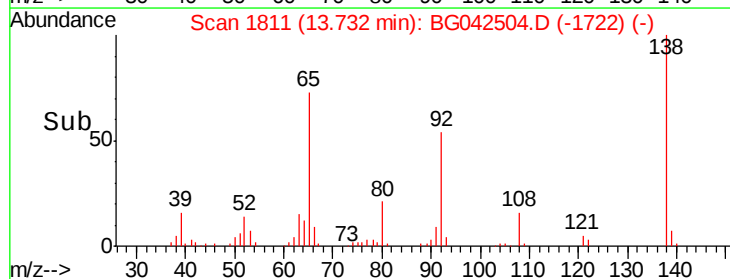
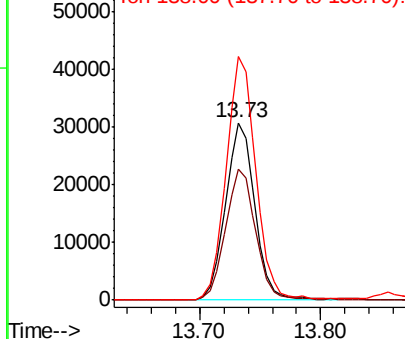


Abundance

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 48.646 ng

RT: 14.38 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

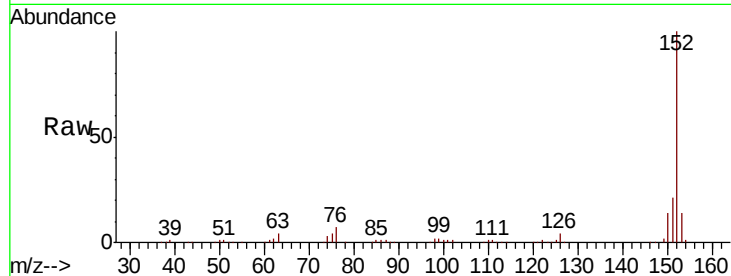
Tgt Ion:152 Resp: 353417

Ion Ratio Lower Upper

152 100

151 20.8 17.0 25.4

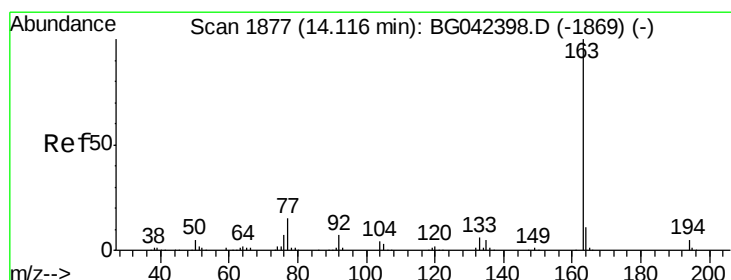
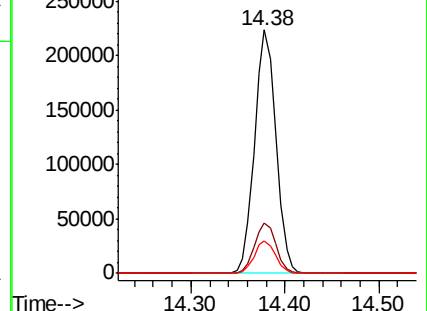
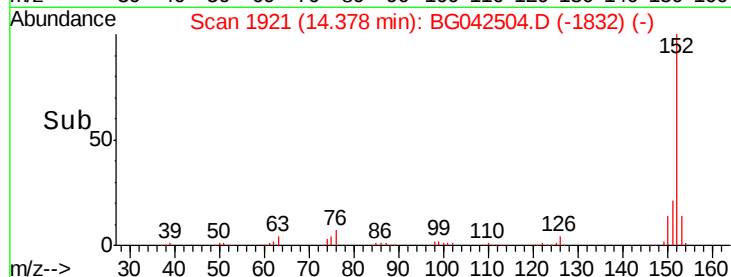
153 13.6 10.6 16.0



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: 58.983 ng

RT: 14.11 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

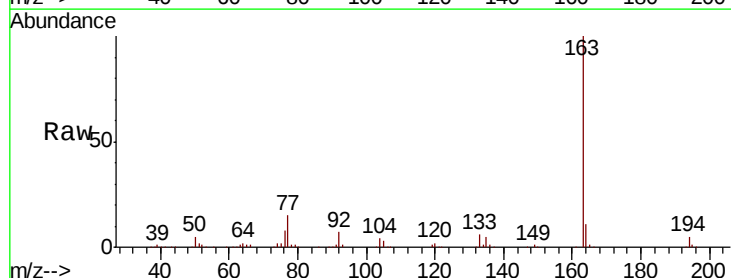
Tgt Ion:163 Resp: 368717

Ion Ratio Lower Upper

163 100

194 5.0 4.2 6.2

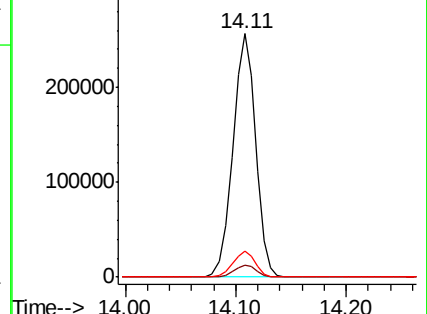
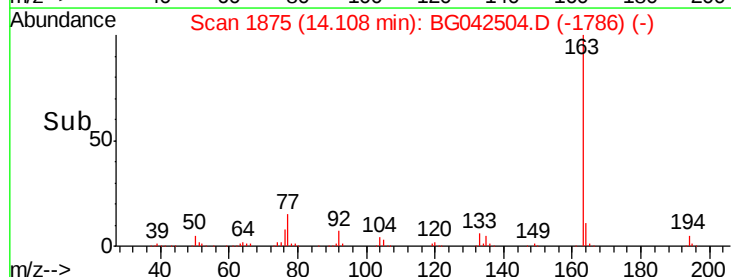
164 10.8 8.8 13.2

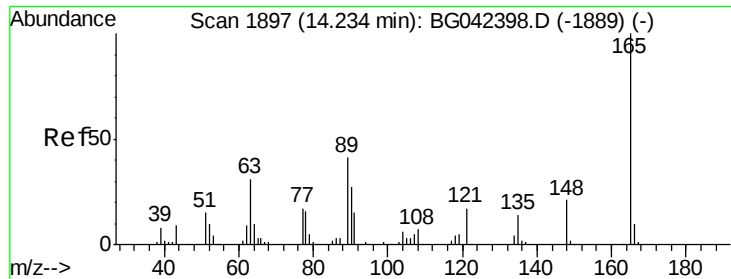


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 46.935 ng

RT: 14.23 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

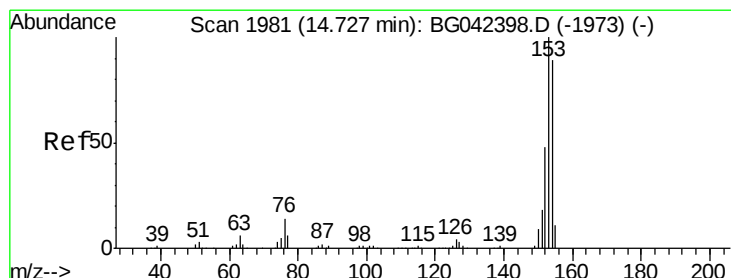
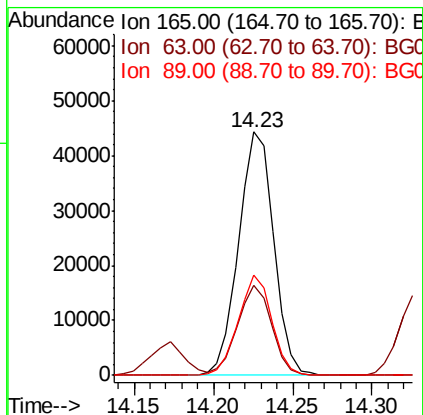
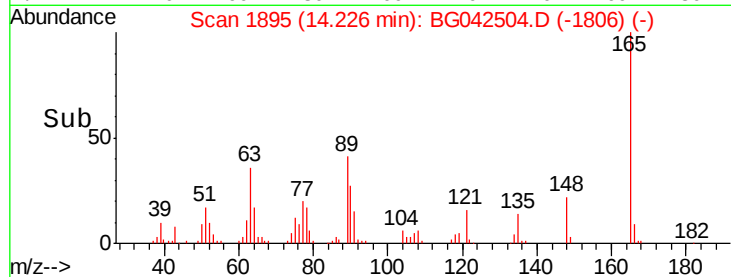
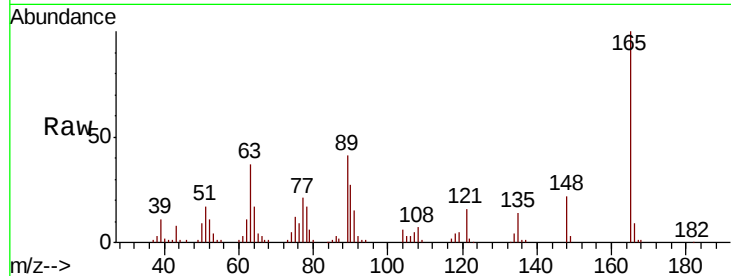
Tgt Ion:165 Resp: 68008

Ion Ratio Lower Upper

165 100

63 36.8 30.6 45.8

89 41.3 32.6 49.0



#52

Acenaphthene

Concen: 46.493 ng

RT: 14.72 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

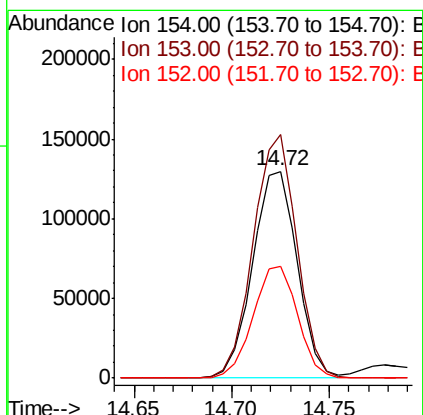
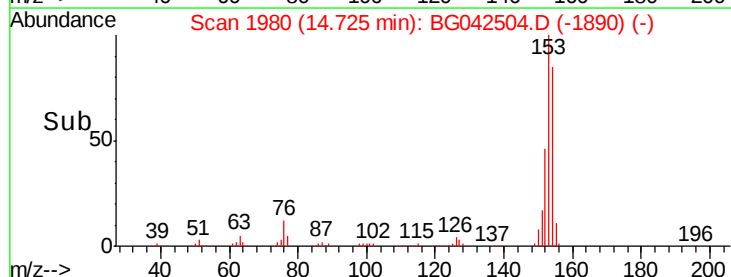
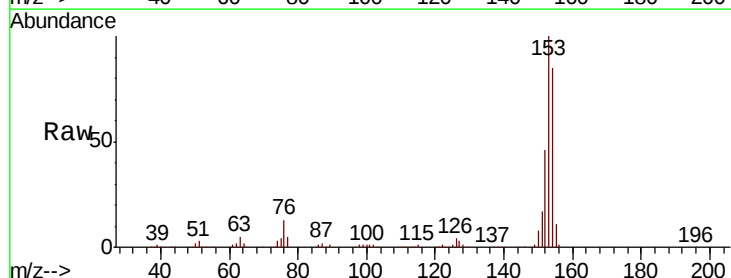
Tgt Ion:154 Resp: 205104

Ion Ratio Lower Upper

154 100

153 117.6 90.2 135.4

152 53.8 43.2 64.8

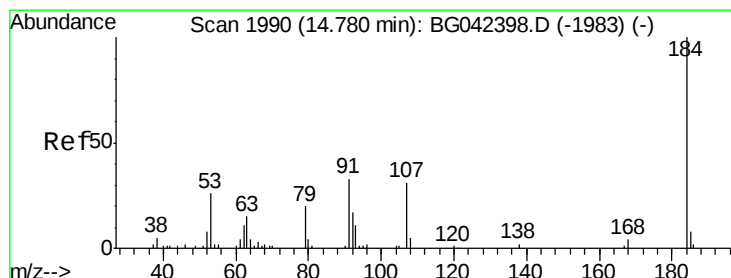
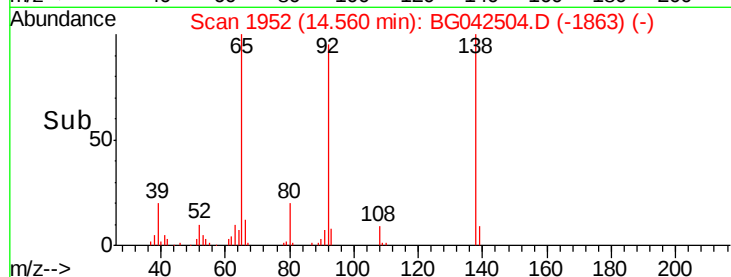
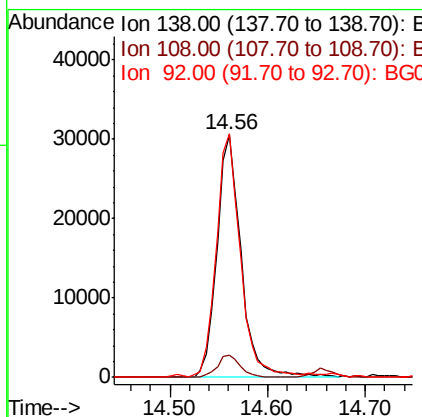
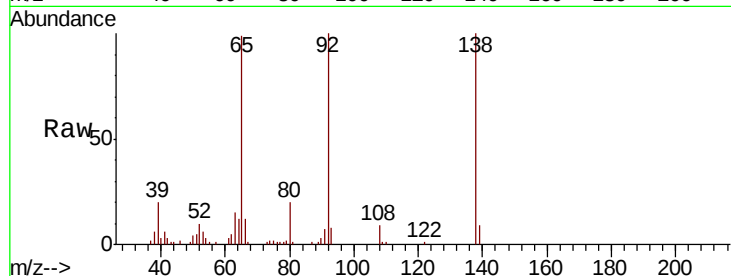




#53
 3-Nitroaniline
 Concen: 36.141 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

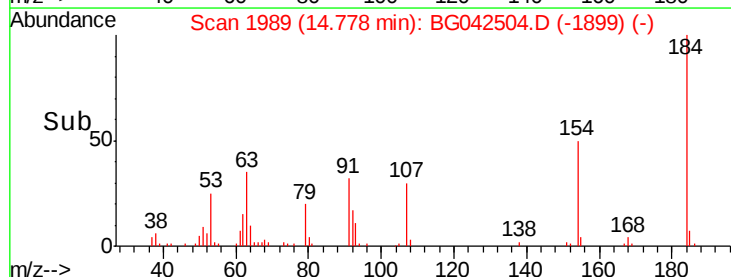
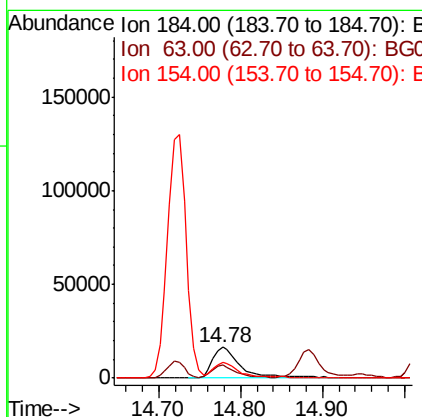
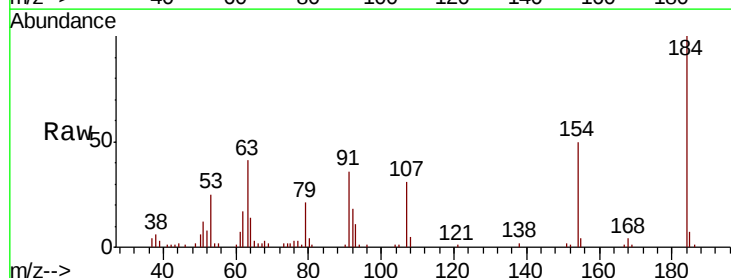
Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tgt Ion:138 Resp: 52373
 Ion Ratio Lower Upper
 138 100
 108 9.2 8.3 12.5
 92 100.3 78.2 117.4



#54
 2,4-Dinitrophenol
 Concen: 43.586 ng
 RT: 14.78 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion:184 Resp: 39553
 Ion Ratio Lower Upper
 184 100
 63 40.9 31.7 47.5
 154 50.3 42.0 63.0





#55

Dibenzenofuran

Concen: 47.722 ng

RT: 15.06 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

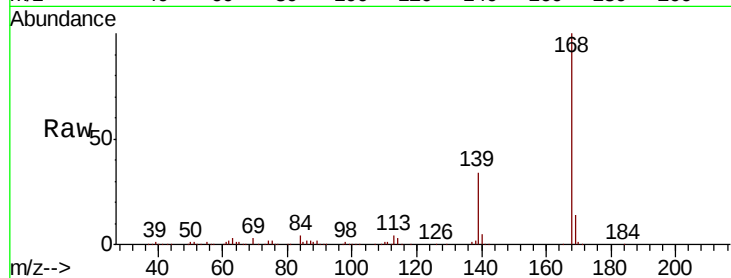
Tgt Ion:168 Resp: 348476

Ion Ratio Lower Upper

168 100

139 34.1 27.2 40.8

169 14.1 11.5 17.3

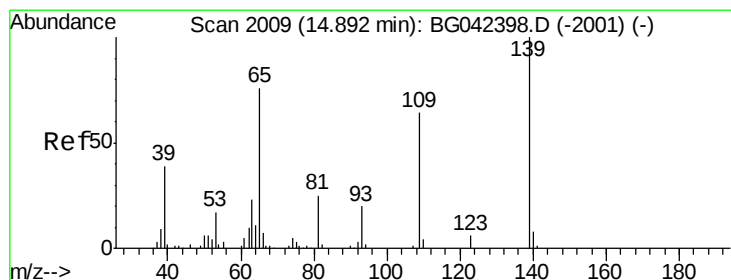
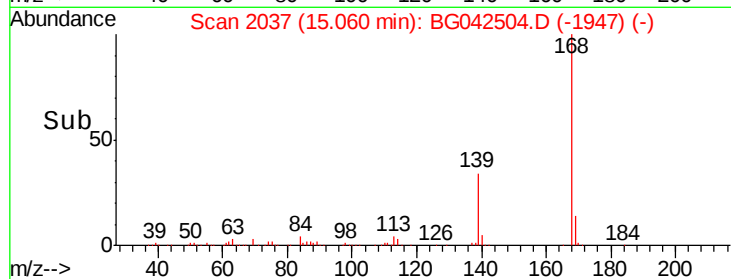
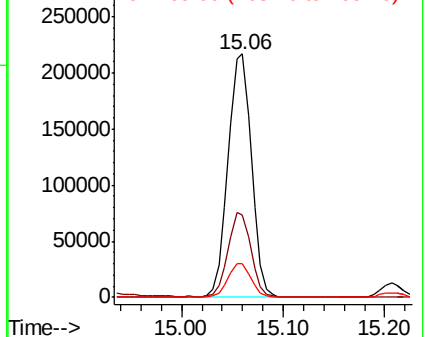


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 125.859 ng

RT: 14.88 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

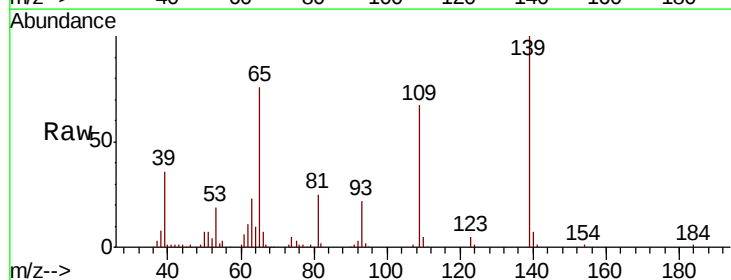
Tgt Ion:139 Resp: 129599

Ion Ratio Lower Upper

139 100

109 66.8 43.9 83.9

65 76.2 56.3 96.3

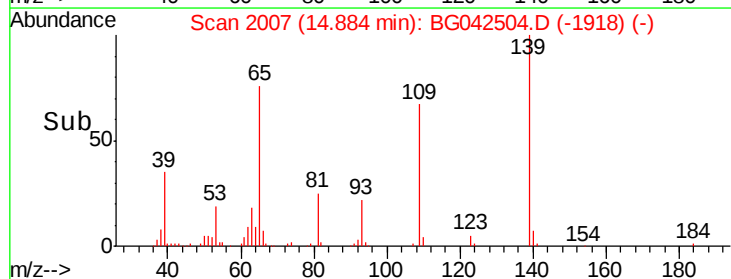
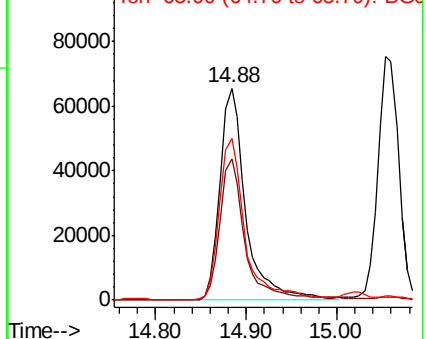


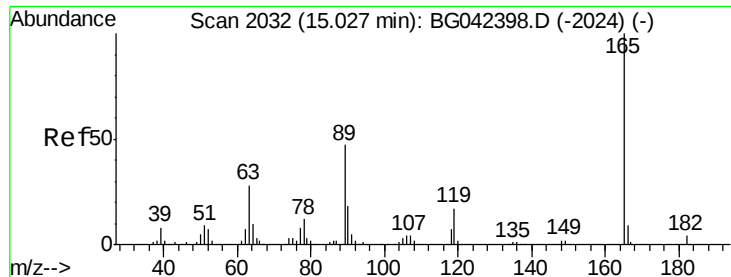
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

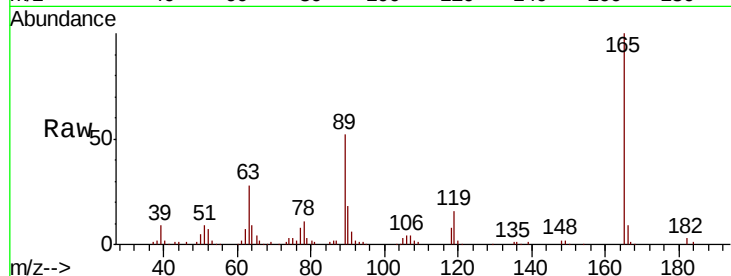




#57
 2,4-Dinitrotoluene
 Concen: 47.624 ng
 RT: 15.02 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tgt Ion:	165	Resp:	98817
Ion	Ratio	Lower	Upper
165	100		
63	27.7	22.5	33.7
89	51.6	37.8	56.6
182	2.8	3.0	4.4#



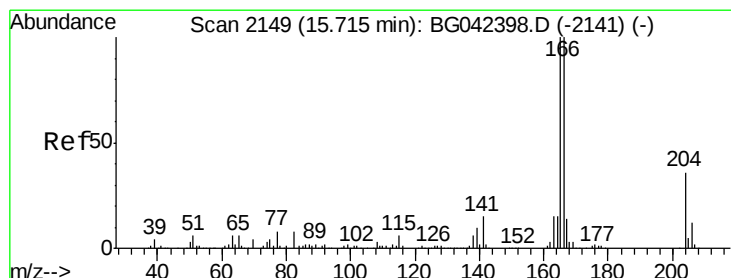
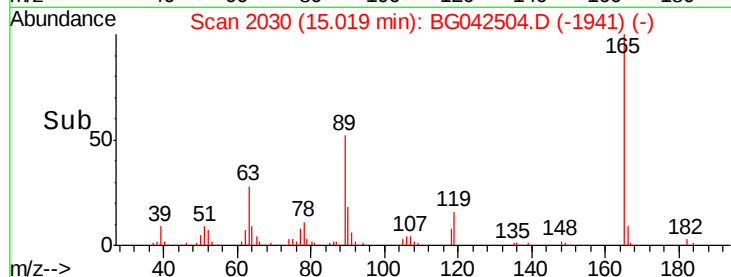
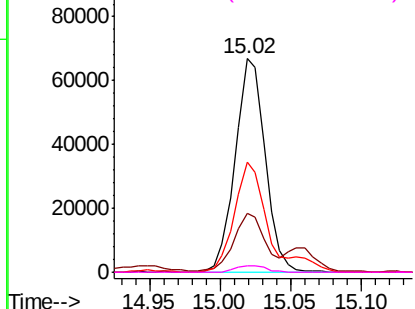
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

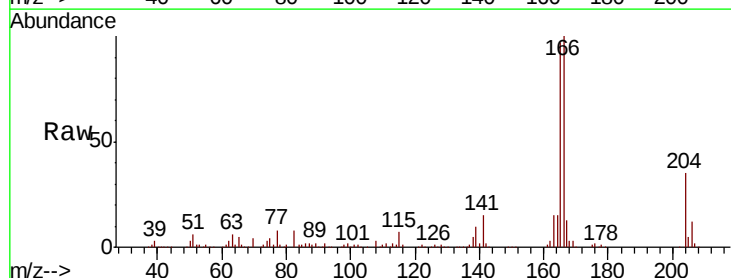
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#58
 Fluorene
 Concen: 47.848 ng
 RT: 15.71 min Scan# 2147
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion:	166	Resp:	285615
Ion	Ratio	Lower	Upper
166	100		
165	97.3	79.7	119.5
167	13.3	10.9	16.3

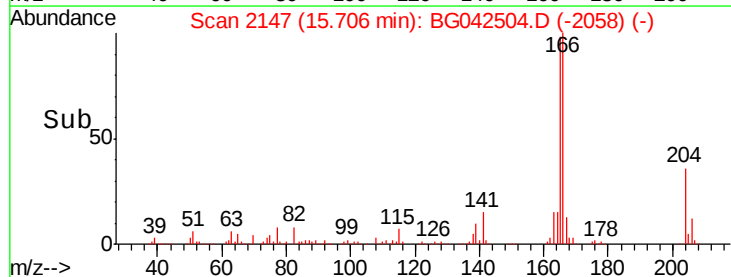
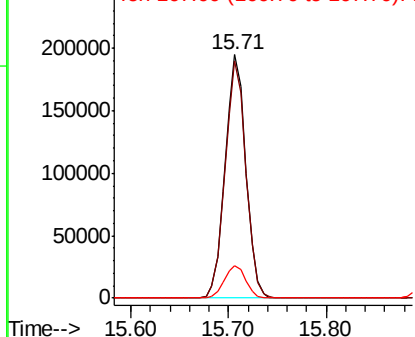


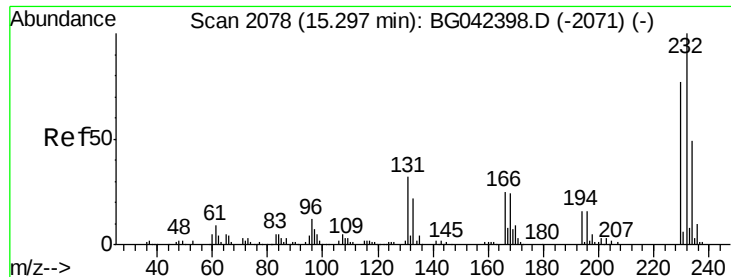
Abundance

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

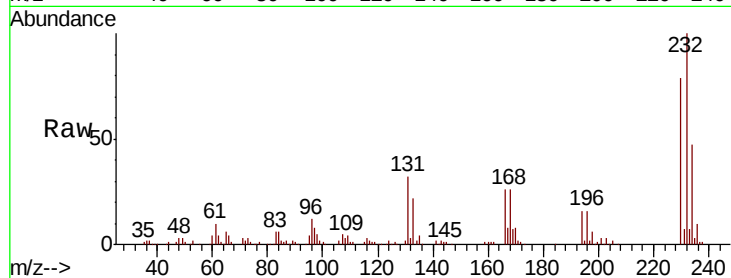




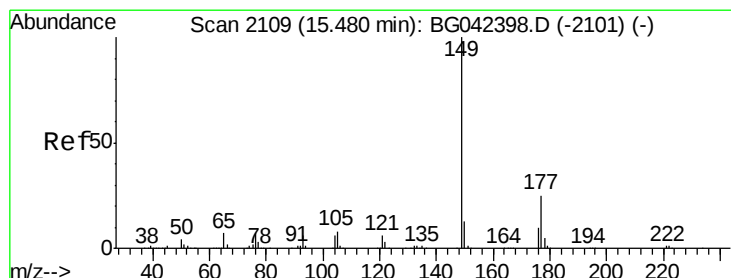
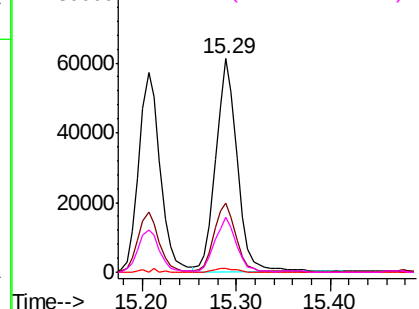
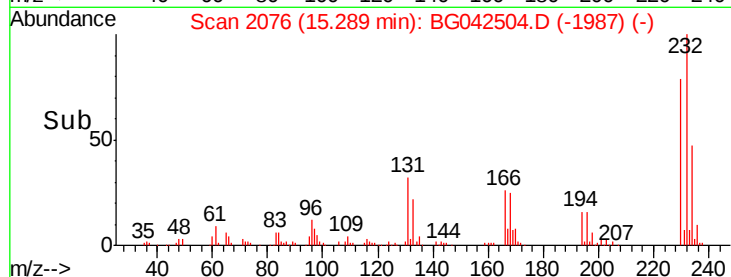
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 50.946 ng
 RT: 15.29 min Scan# 2076
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tgt Ion:	232	Resp:	98187
Ion	Ratio	Lower	Upper
232	100		
131	32.2	22.9	34.3
130	1.8	1.4	2.0
166	25.1	17.0	25.4

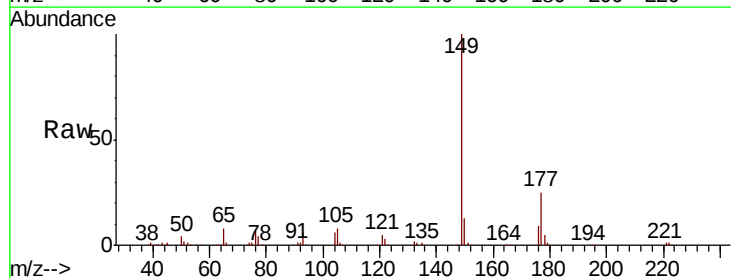


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

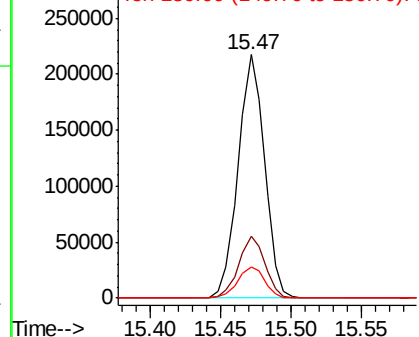
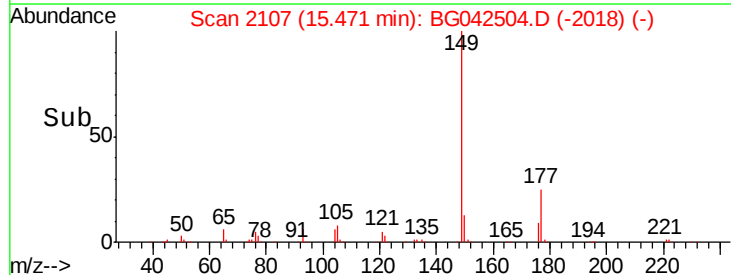


#60
 Diethylphthalate
 Concen: 46.544 ng
 RT: 15.47 min Scan# 2107
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion:	149	Resp:	284425
Ion	Ratio	Lower	Upper
149	100		
177	25.2	20.4	30.6
150	12.8	10.3	15.5



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

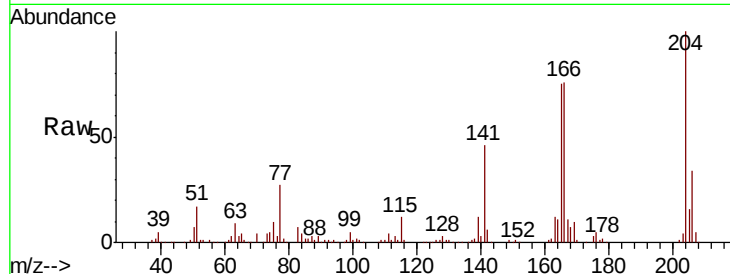




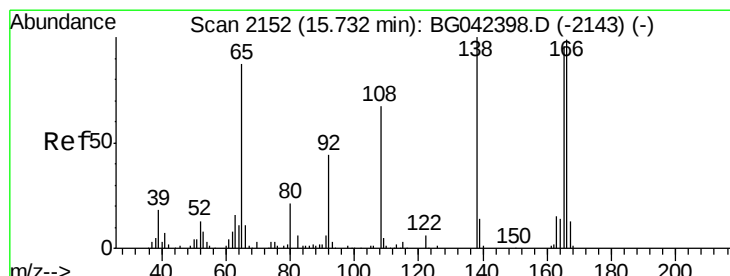
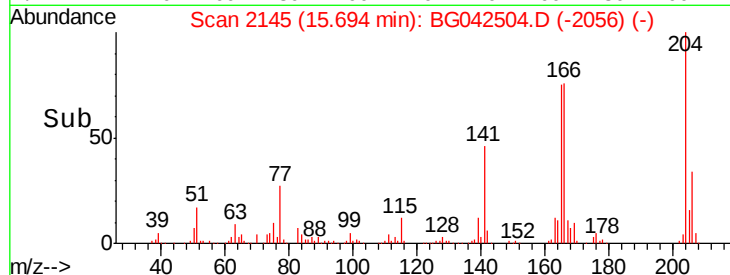
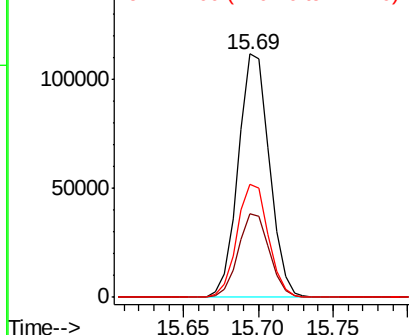
#61
 4-Chlorophenyl-phenylether
 Concen: 45.046 ng
 RT: 15.69 min Scan# 2145
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tgt Ion:204 Resp: 162087
 Ion Ratio Lower Upper
 204 100
 206 34.3 27.2 40.8
 141 46.5 38.7 58.1

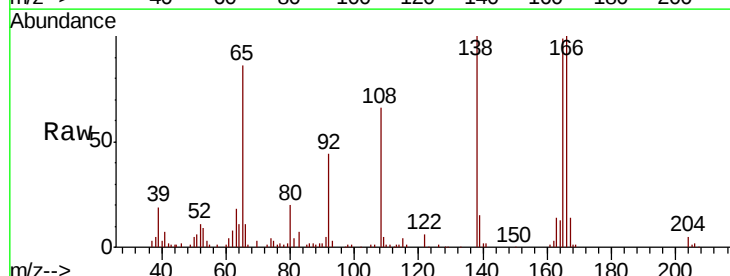


Abundance Ion 204.00 (203.70 to 204.70): E
 150000 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

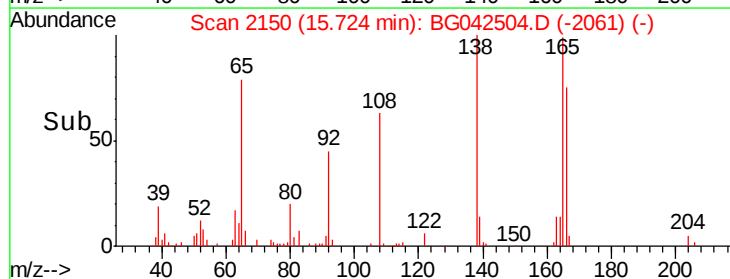
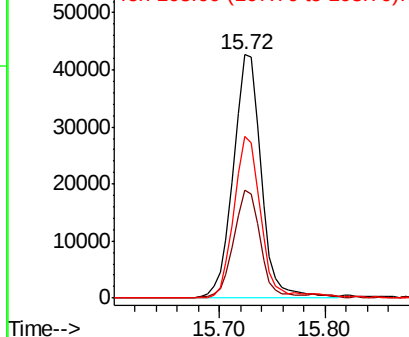


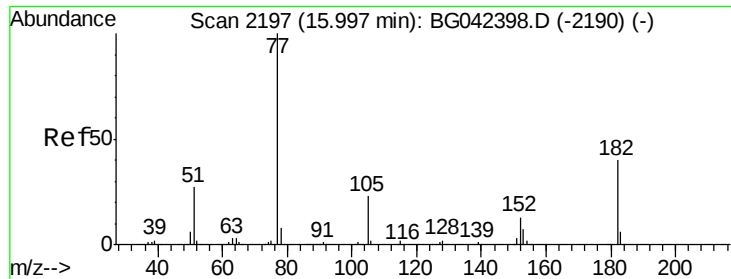
#62
 4-Nitroaniline
 Concen: 50.347 ng
 RT: 15.72 min Scan# 2150
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion:138 Resp: 78085
 Ion Ratio Lower Upper
 138 100
 92 44.6 24.2 64.2
 108 66.5 46.8 86.8



Abundance Ion 138.00 (137.70 to 138.70): E
 50000 Ion 92.00 (91.70 to 92.70): BG
 Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 47.852 ng

RT: 15.99 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

Tgt Ion: 77 Resp: 200374

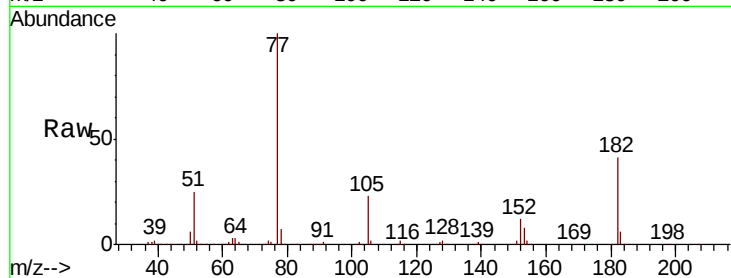
Ion Ratio Lower Upper

77 100

182 40.5 19.9 59.9

105 23.1 2.9 42.9

51 25.1 7.6 47.6

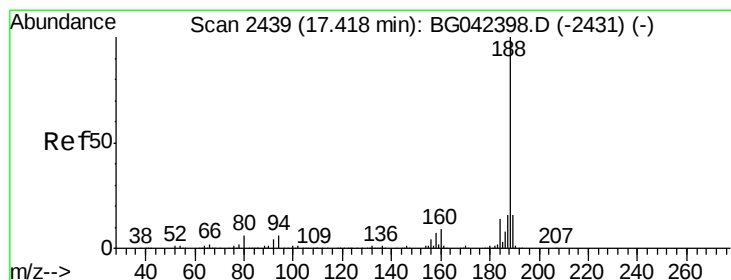
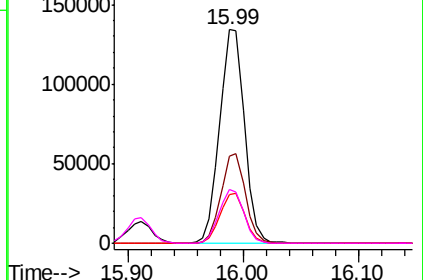
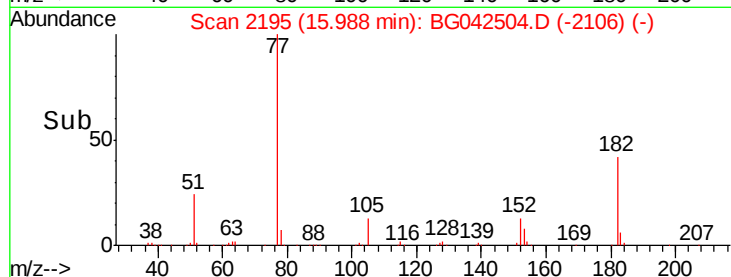


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

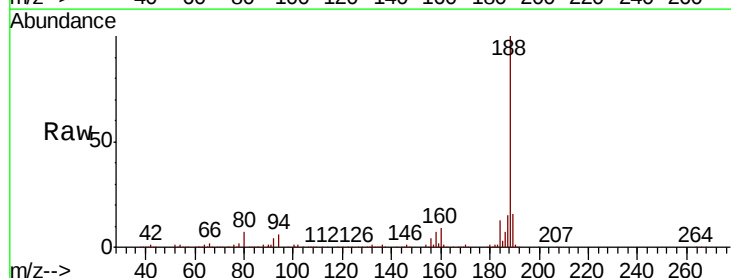
Tgt Ion: 188 Resp: 214792

Ion Ratio Lower Upper

188 100

94 5.9 4.5 6.7

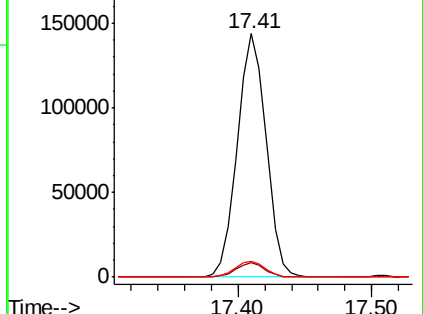
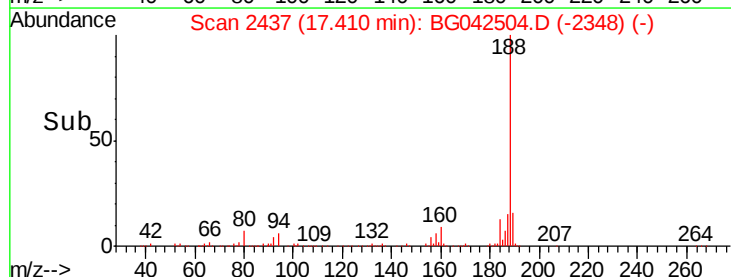
80 6.6 4.9 7.3



Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 39.366 ng

RT: 15.79 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

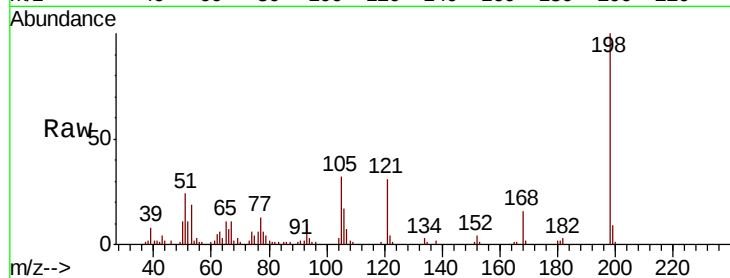
Tgt Ion:198 Resp: 53012

Ion Ratio Lower Upper

198 100

51 23.6 4.2 44.2

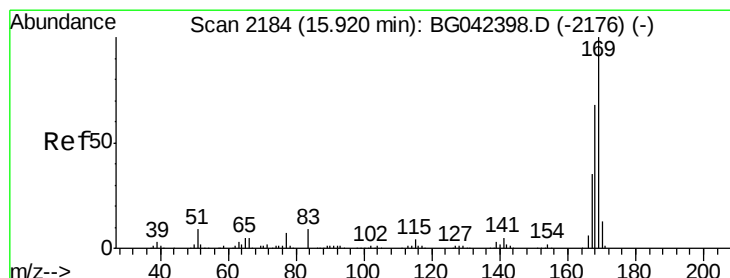
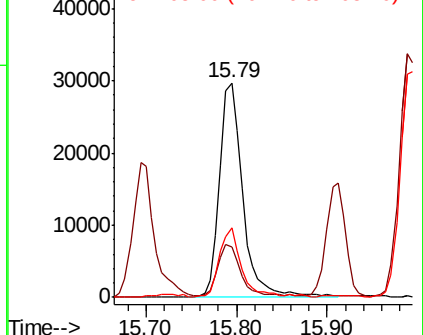
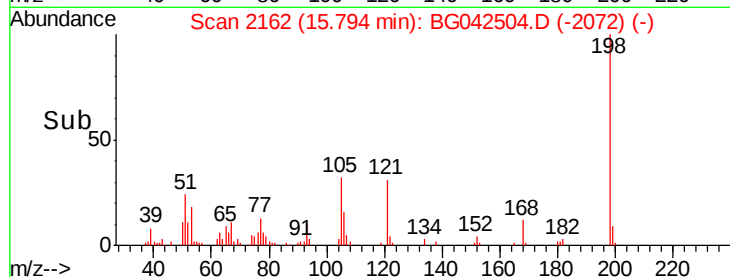
105 32.2 8.8 48.8



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: 45.032 ng

RT: 15.91 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

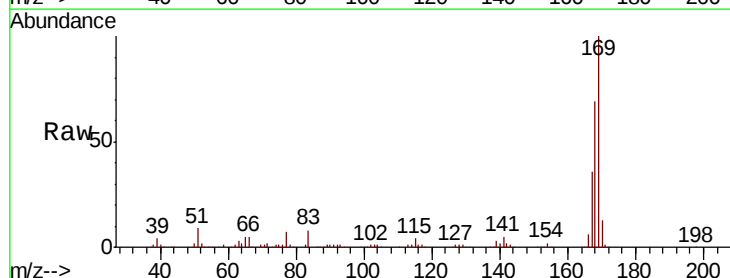
Tgt Ion:169 Resp: 266000

Ion Ratio Lower Upper

169 100

168 69.1 54.3 81.5

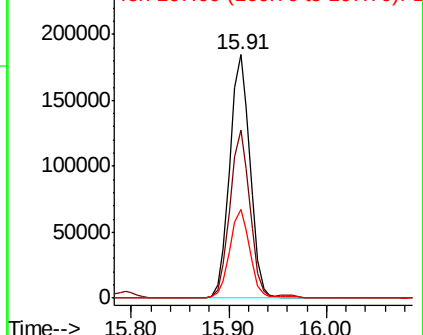
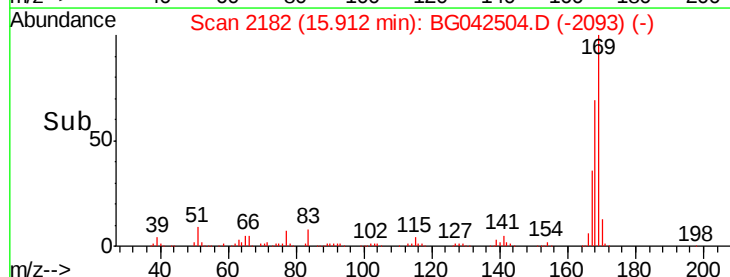
167 36.3 28.2 42.2



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

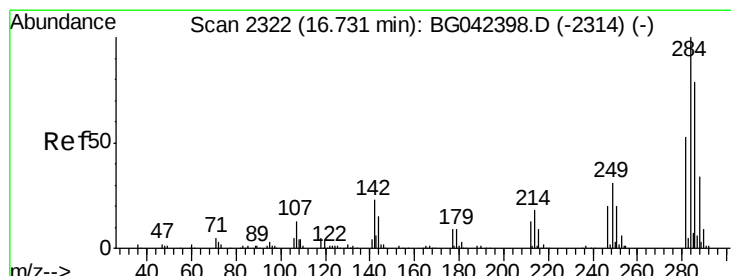
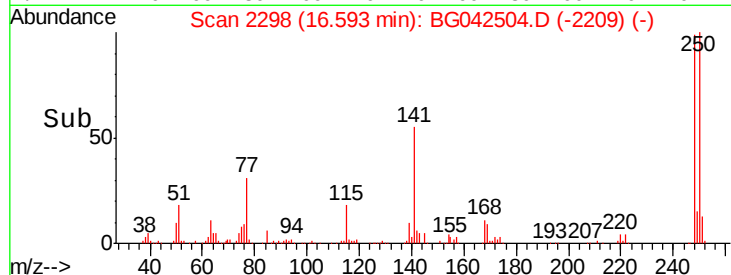
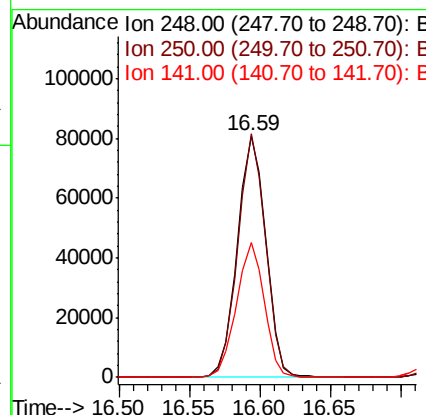
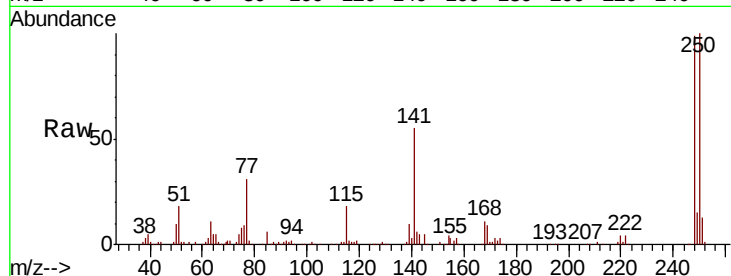




#67
 4-Bromophenyl-phenylether
 Concen: 41.774 ng
 RT: 16.59 min Scan# 2298
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

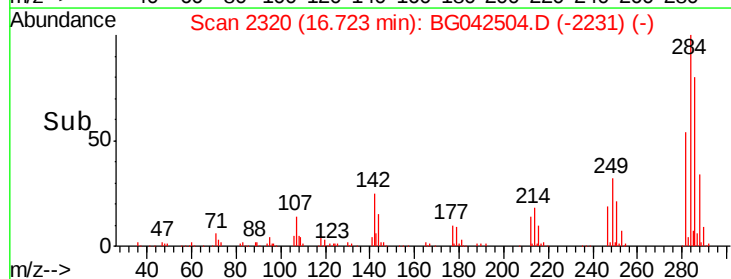
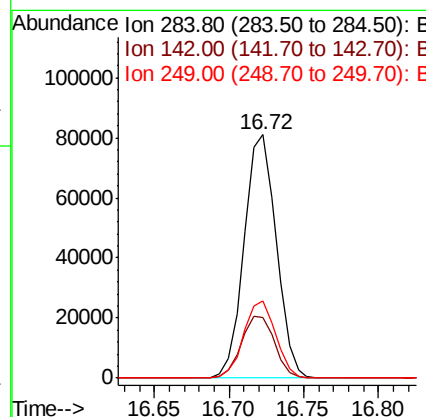
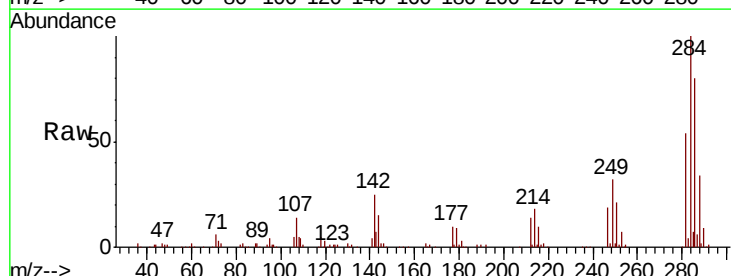
Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tgt Ion	Ratio	Lower	Upper
248	100		
250	100.8	78.9	118.3
141	55.6	43.3	64.9



#68
 Hexachlorobenzene
 Concen: 40.792 ng
 RT: 16.72 min Scan# 2320
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
284	100		
142	24.9	18.2	27.4
249	31.6	25.0	37.4





#69

Atrazine

Concen: 54.393 ng

RT: 16.86 min Scan# 2344

Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

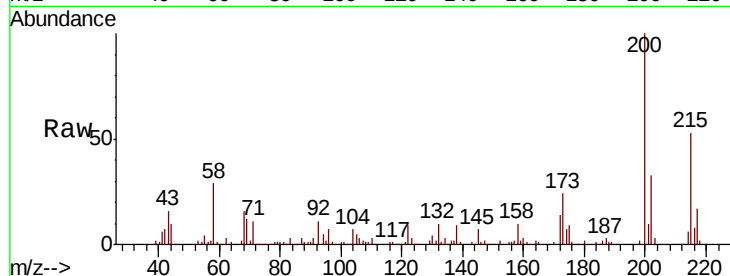
Tgt Ion:200 Resp: 113621

Ion Ratio Lower Upper

200 100

173 24.3 4.9 44.9

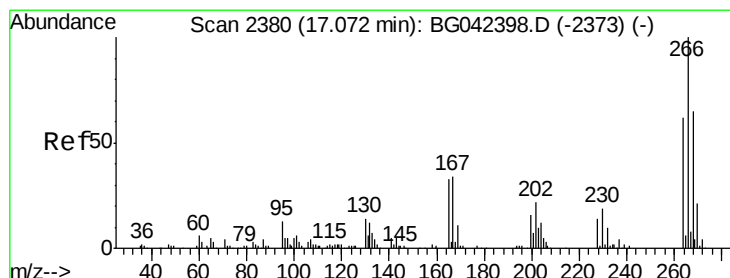
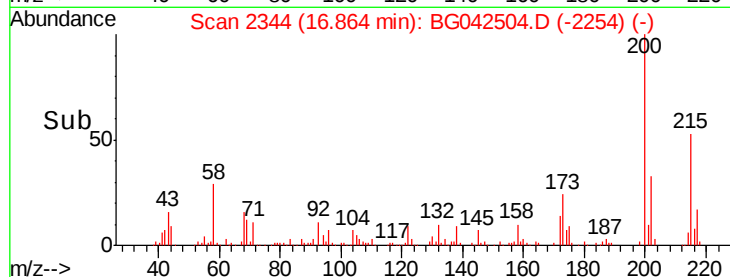
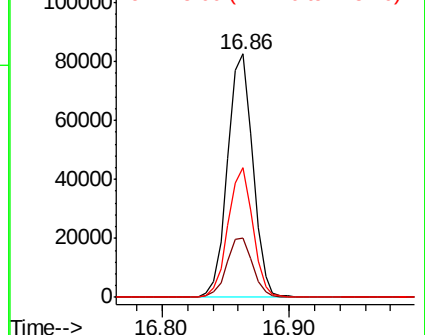
215 53.2 30.7 70.7



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: 93.248 ng

RT: 17.07 min Scan# 2379

Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

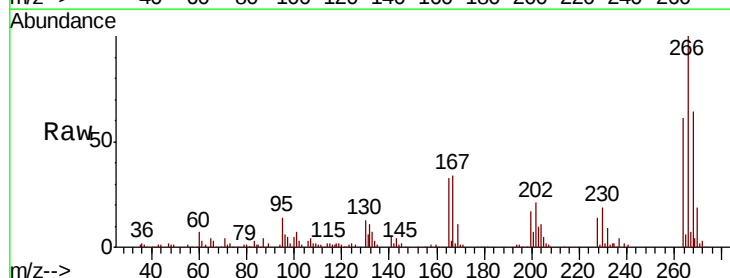
Tgt Ion:266 Resp: 143496

Ion Ratio Lower Upper

266 100

268 64.0 52.1 78.1

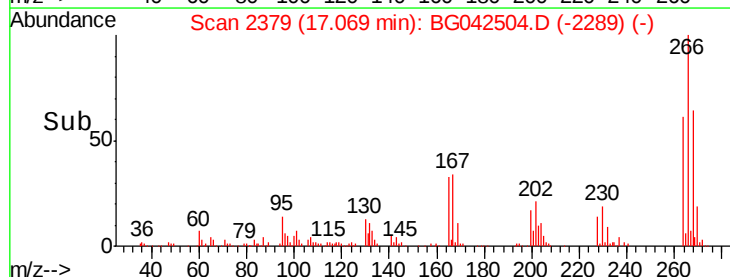
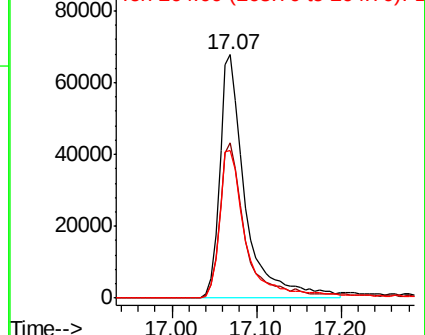
264 60.9 49.4 74.2

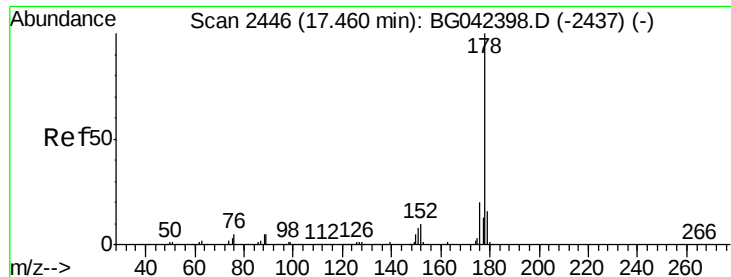


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

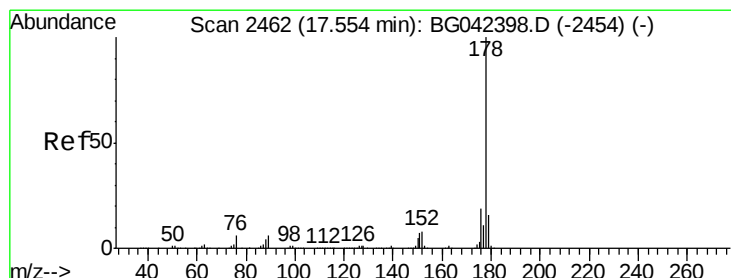
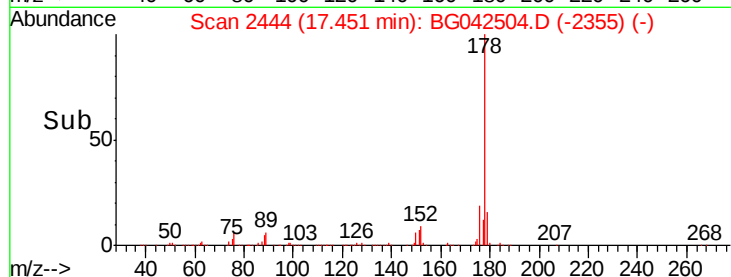
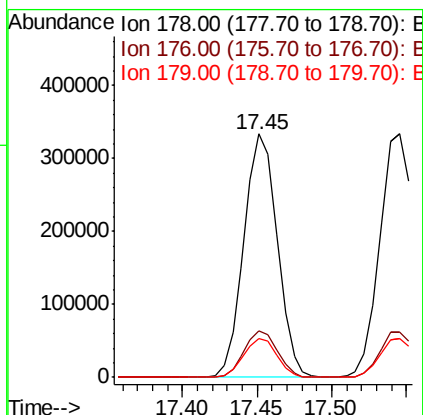
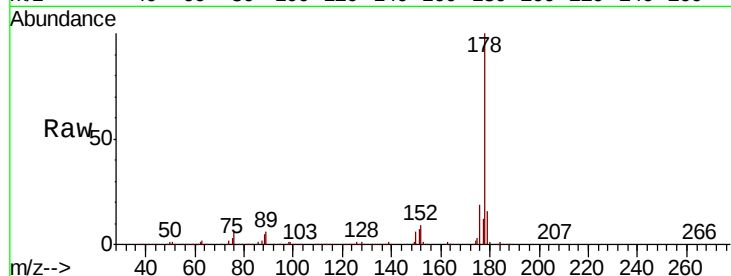




#71
Phenanthrene
Concen: 48.474 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

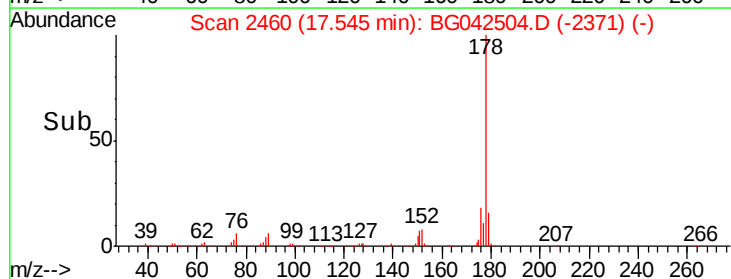
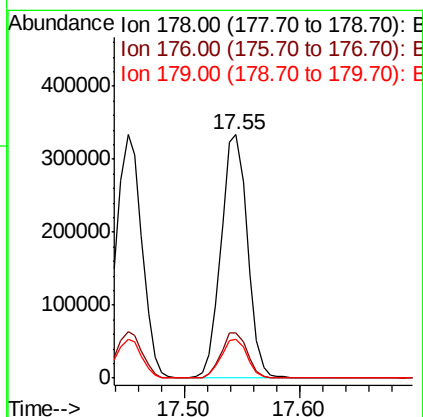
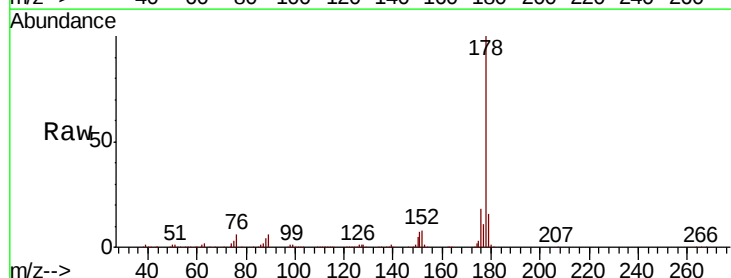
Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

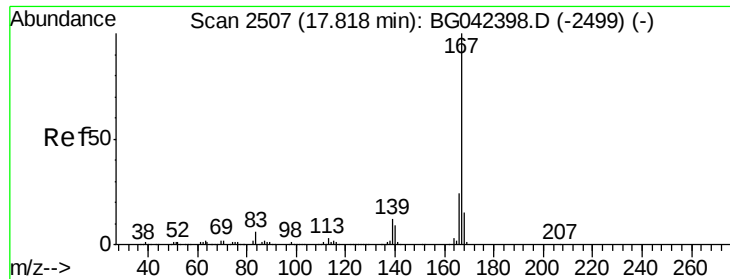
Tgt Ion:178 Resp: 517175
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.9 12.7 19.1



#72
Anthracene
Concen: 49.540 ng
RT: 17.55 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion:178 Resp: 527646
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 16.0 12.9 19.3





#73

Carbazole

Concen: 53.691 ng

RT: 17.82 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

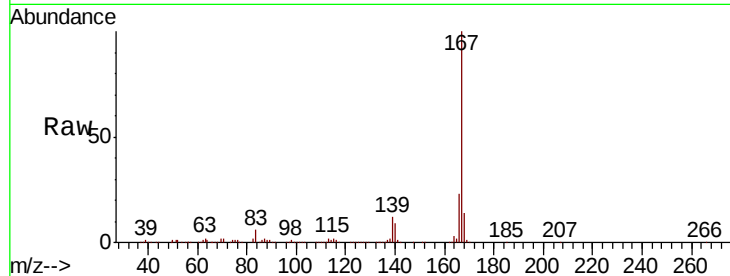
Tgt Ion:167 Resp: 509661

Ion Ratio Lower Upper

167 100

166 23.0 18.9 28.3

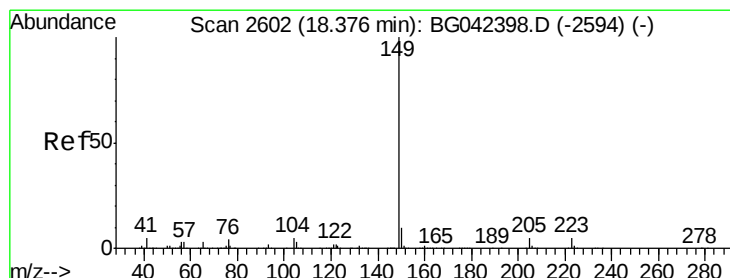
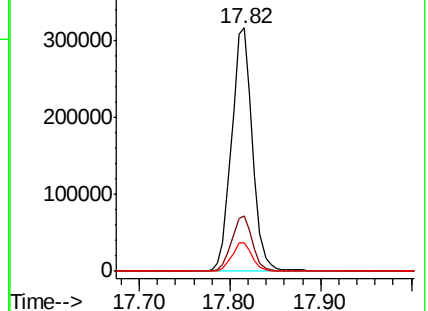
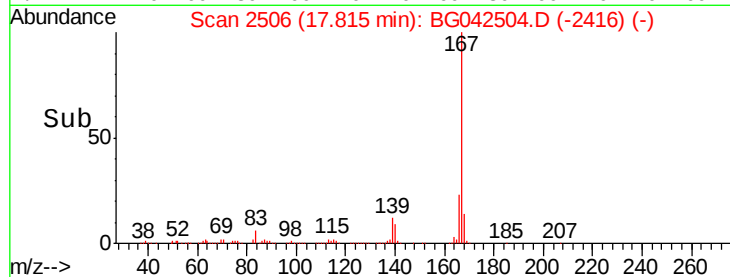
139 11.8 9.8 14.6



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: 52.416 ng

RT: 18.37 min Scan# 2600

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

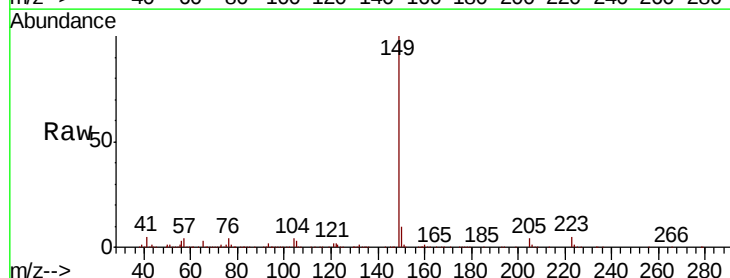
Tgt Ion:149 Resp: 588158

Ion Ratio Lower Upper

149 100

150 10.1 8.1 12.1

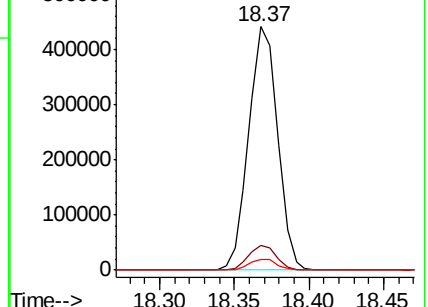
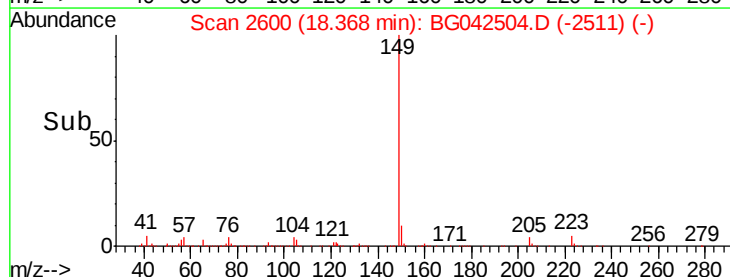
104 4.3 3.7 5.5



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: 59.482 ng

RT: 19.47 min Scan# 2787

Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

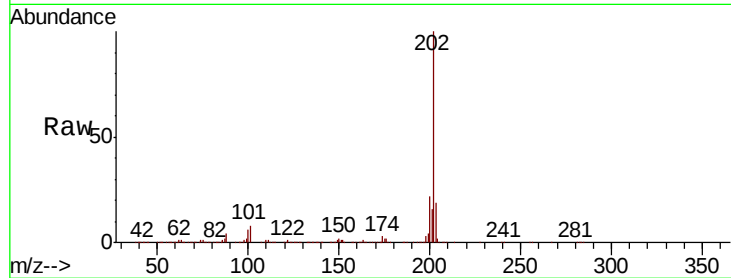
Tgt Ion:202 Resp: 774504

Ion Ratio Lower Upper

202 100

101 7.5 0.0 28.3

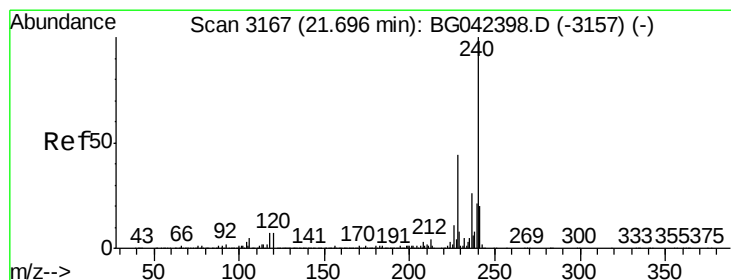
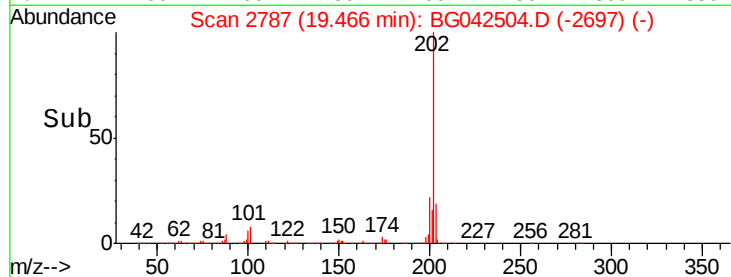
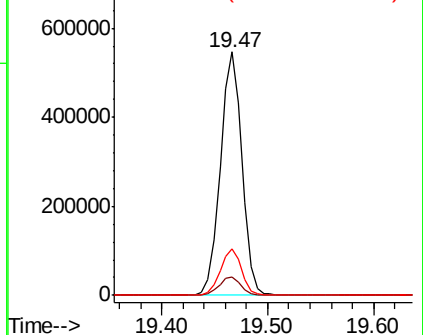
203 19.0 0.0 39.6



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: 21.69 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

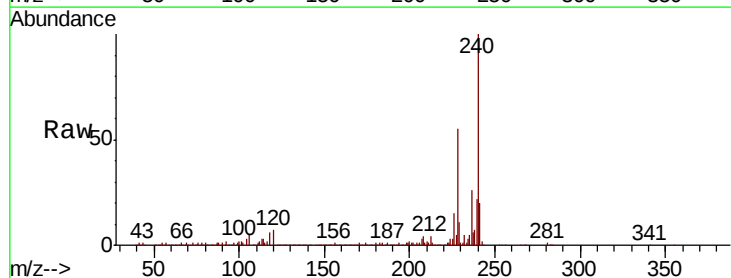
Tgt Ion:240 Resp: 288623

Ion Ratio Lower Upper

240 100

120 7.1 5.7 8.5

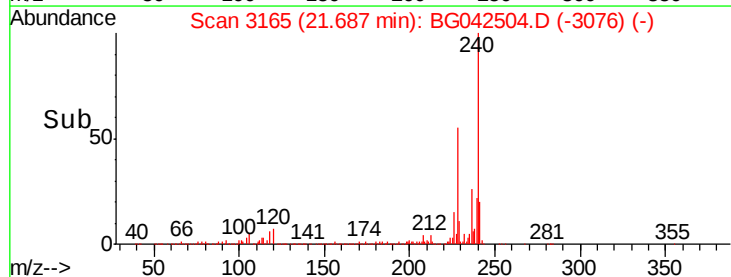
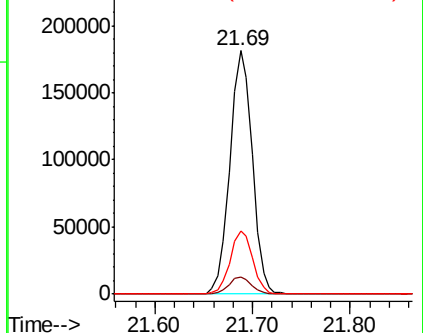
236 26.0 21.0 31.4

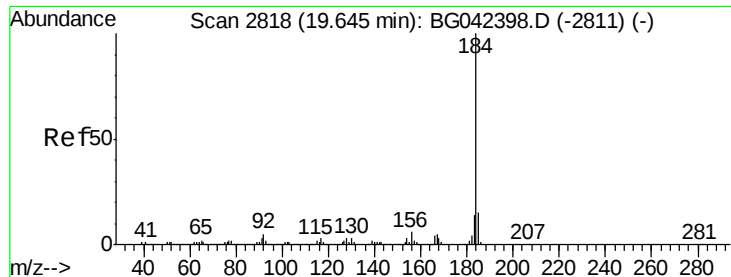


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 49.579 ng

RT: 19.64 min Scan# 2817

Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

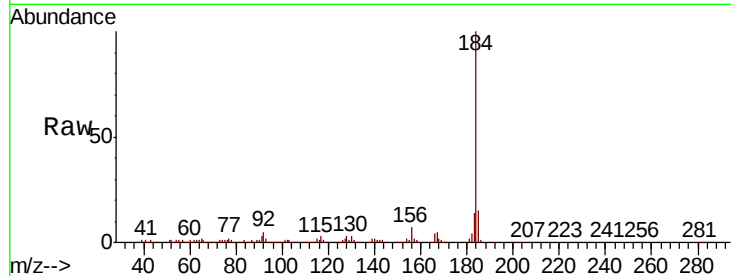
Tgt Ion:184 Resp: 410266

Ion Ratio Lower Upper

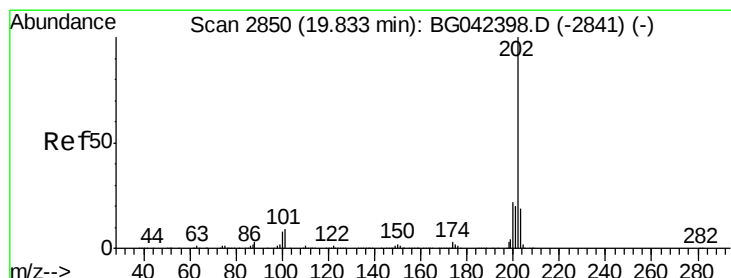
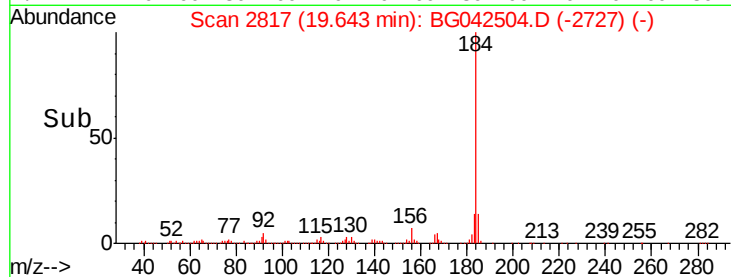
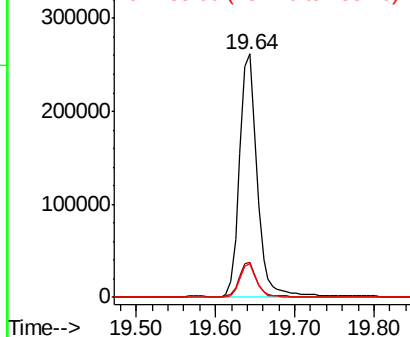
184 100

185 14.5 12.2 18.4

183 13.6 10.8 16.2



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: 44.490 ng

RT: 19.82 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

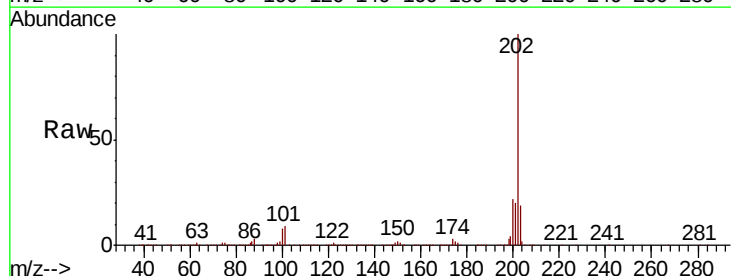
Tgt Ion:202 Resp: 787257

Ion Ratio Lower Upper

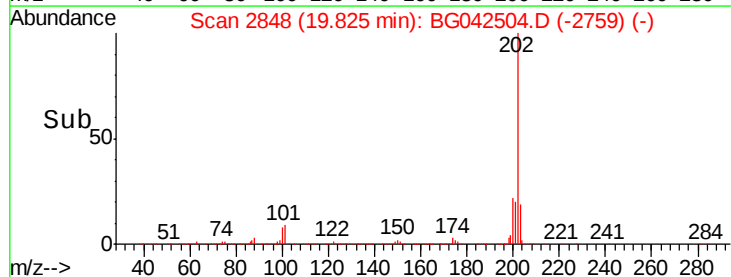
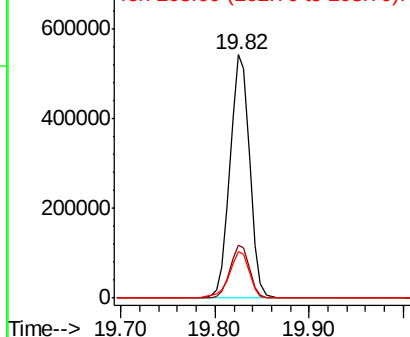
202 100

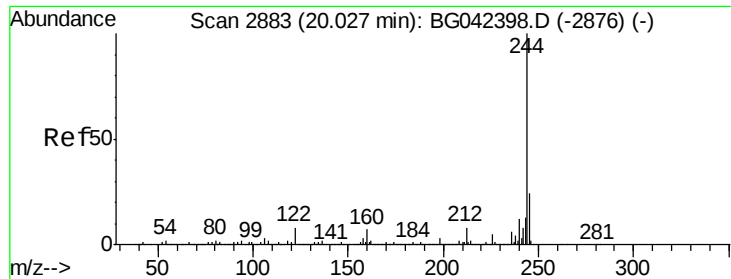
200 21.9 17.8 26.6

203 19.1 15.5 23.3



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: 81.704 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

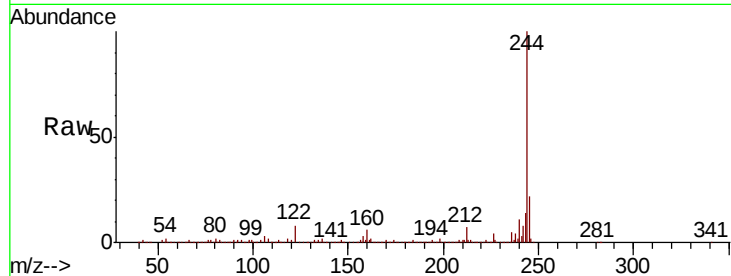
Tgt Ion:244 Resp: 1090778

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

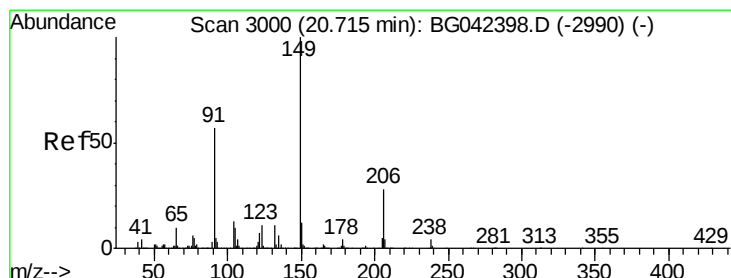
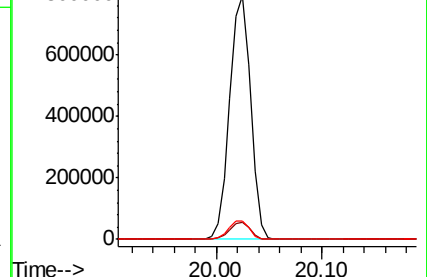
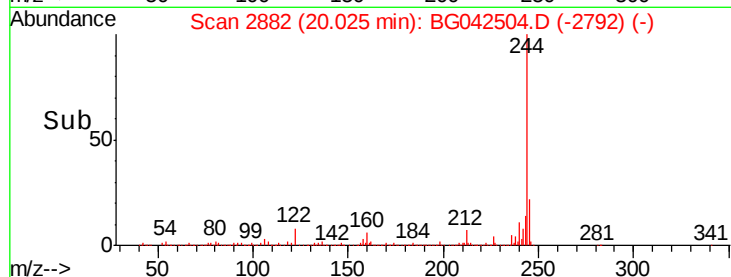
122 7.5 6.7 10.1



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: 45.786 ng

RT: 20.71 min Scan# 2998

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

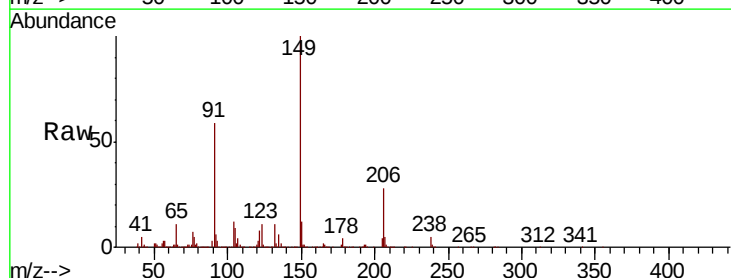
Tgt Ion:149 Resp: 318666

Ion Ratio Lower Upper

149 100

91 58.8 45.9 68.9

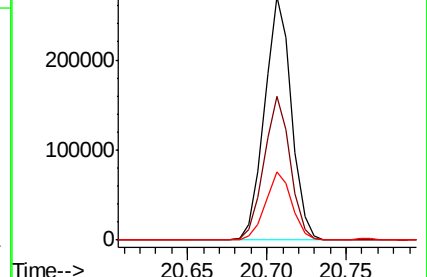
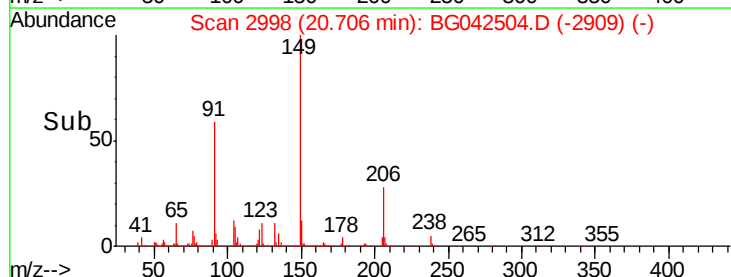
206 28.2 22.5 33.7

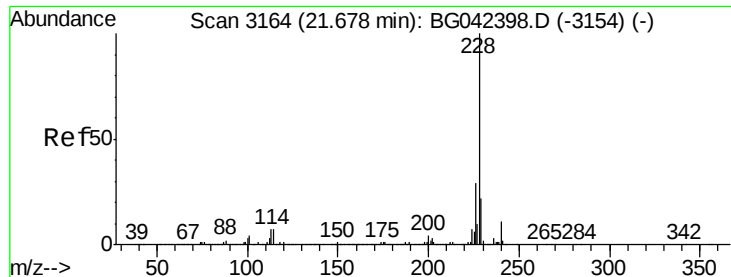


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 46.921 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

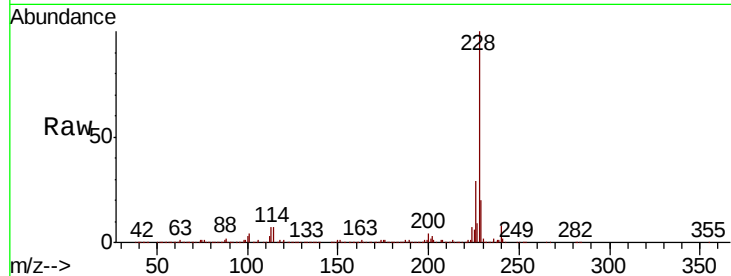
Tgt Ion:228 Resp: 823806

Ion Ratio Lower Upper

228 100

226 28.6 23.4 35.2

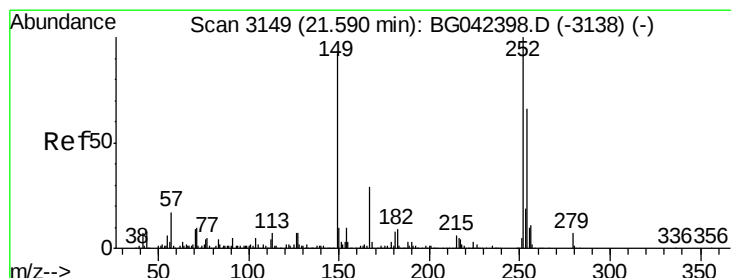
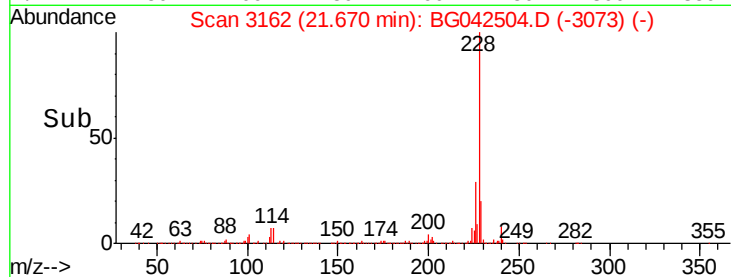
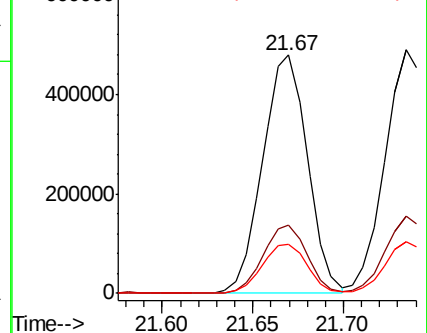
229 20.4 17.4 26.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 31.377 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

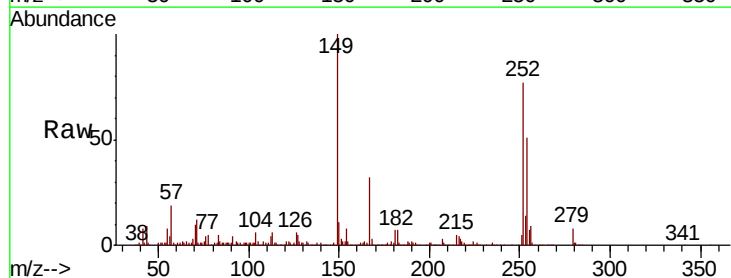
Tgt Ion:252 Resp: 221560

Ion Ratio Lower Upper

252 100

254 66.3 53.0 79.4

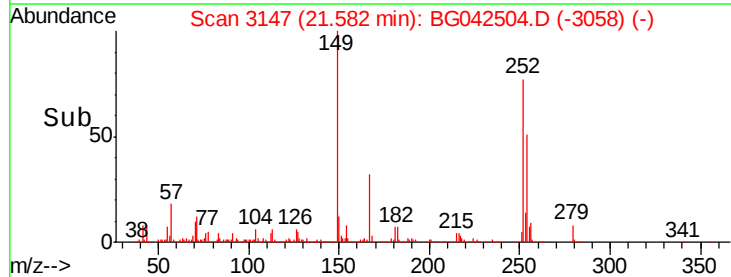
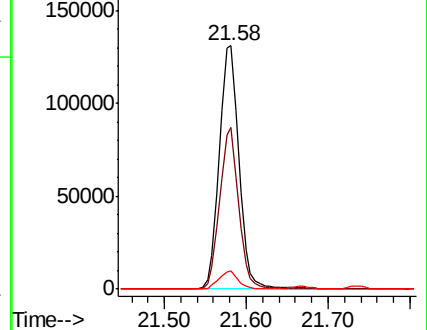
126 7.6 5.7 8.5



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

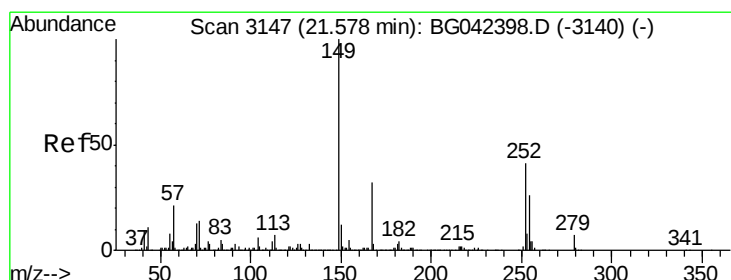
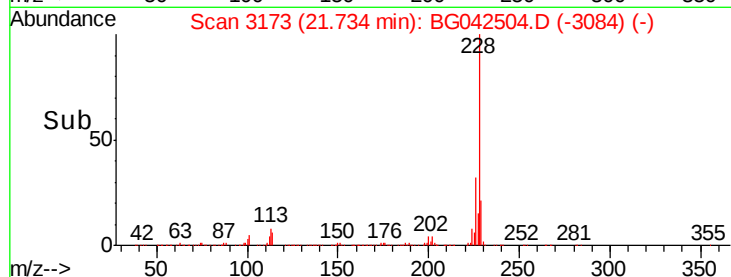
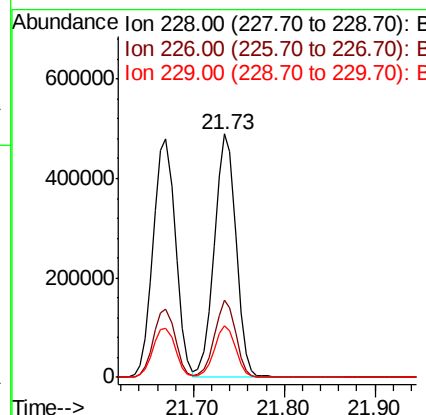
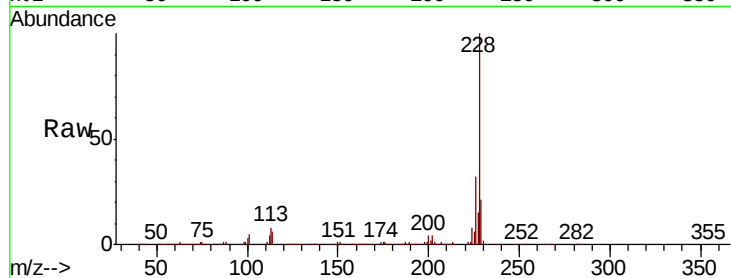




#83
 Chrysene
 Concen: 47.917 ng
 RT: 21.73 min Scan# 3173
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

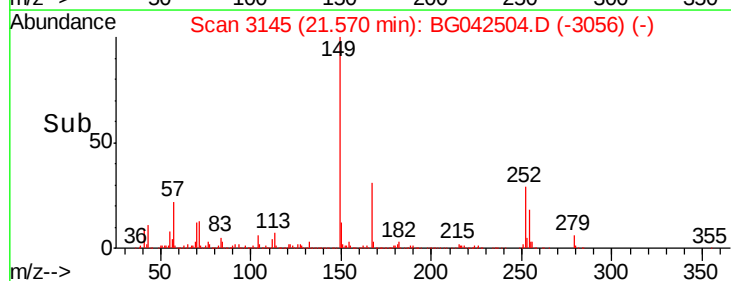
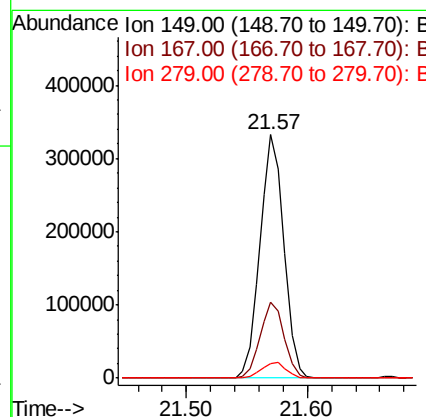
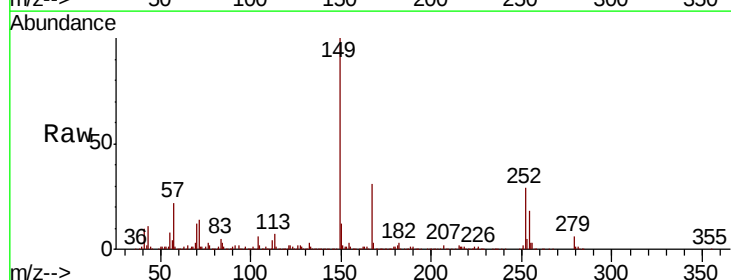
Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tgt Ion: 228 Resp: 811356
 Ion Ratio Lower Upper
 228 100
 226 31.6 24.9 37.3
 229 21.4 16.9 25.3



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 47.393 ng
 RT: 21.57 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion: 149 Resp: 457987
 Ion Ratio Lower Upper
 149 100
 167 31.3 26.0 39.0
 279 6.2 5.4 8.0

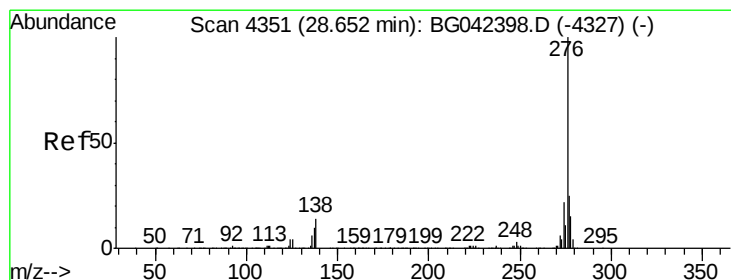
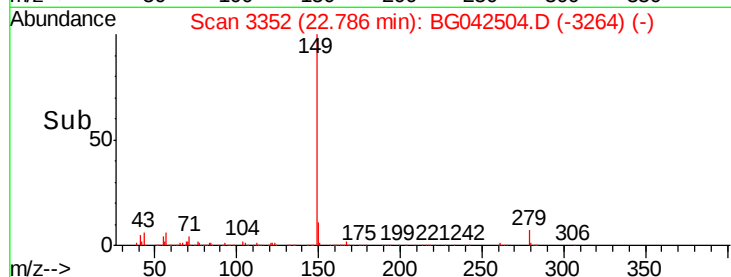
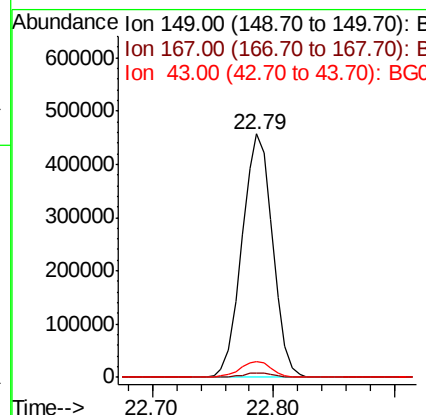
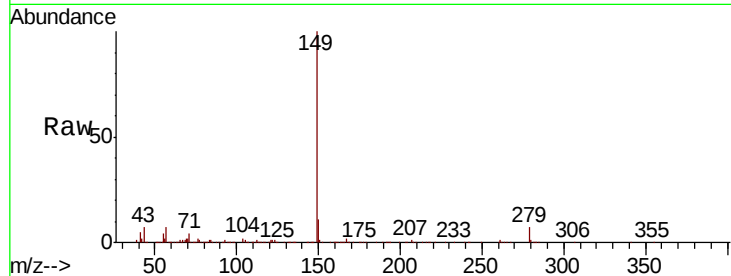




#85
Di-n-octyl phthalate
Concen: 48.406 ng
RT: 22.79 min Scan# 3352
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

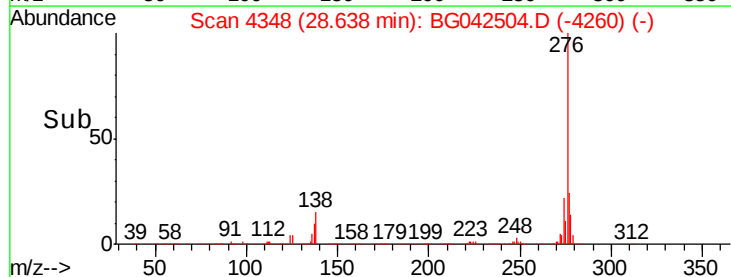
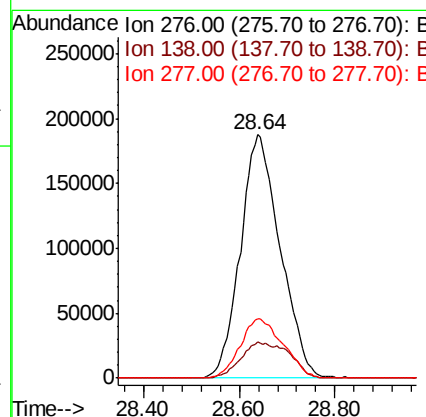
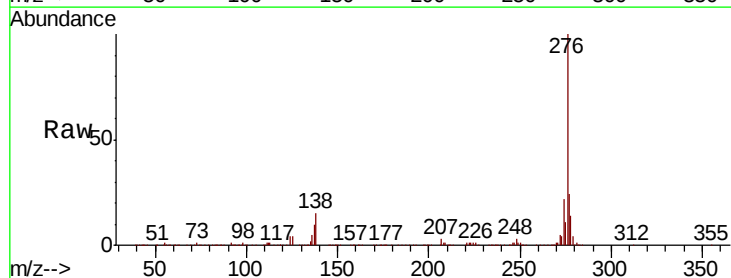
Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

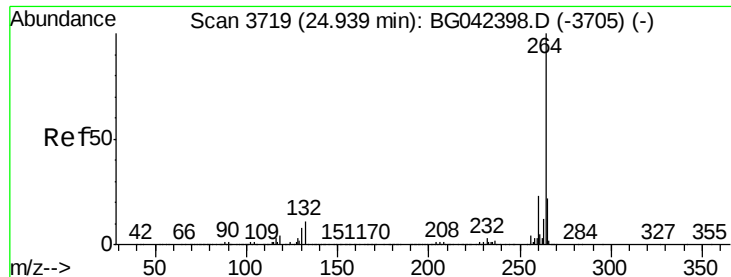
Tgt Ion:149 Resp: 804528
Ion Ratio Lower Upper
149 100
167 1.8 1.6 2.4
43 6.4 5.3 7.9



#86
Indeno(1,2,3-cd)pyrene
Concen: 46.933 ng
RT: 28.64 min Scan# 4348
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion:276 Resp: 1079983
Ion Ratio Lower Upper
276 100
138 18.1 9.2 13.8#
277 26.3 21.0 31.6





#87

Perylene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

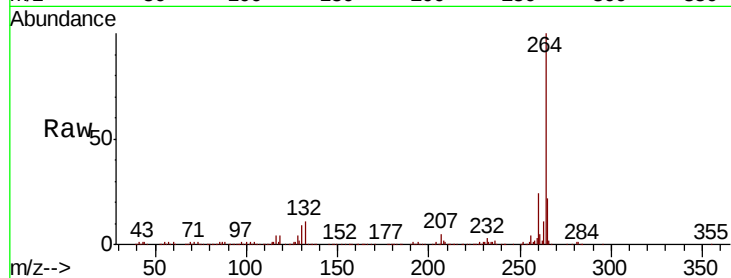
Tgt Ion:264 Resp: 350528

Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

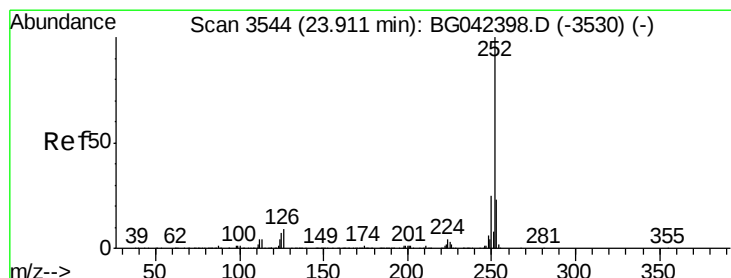
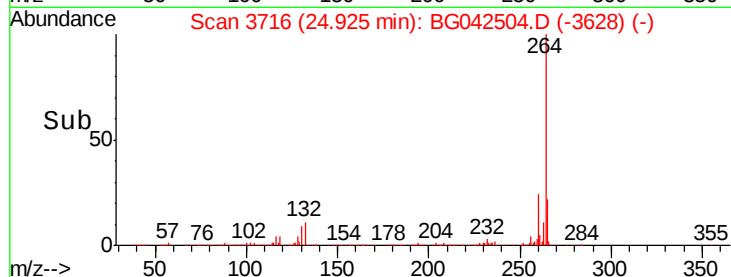
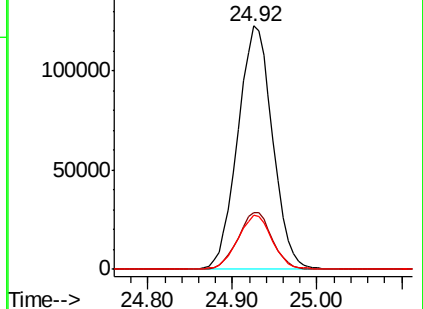
265 22.1 17.6 26.4



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: 47.091 ng

RT: 23.90 min Scan# 3542

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

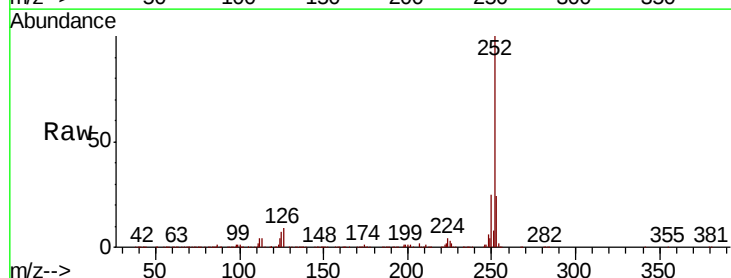
Tgt Ion:252 Resp: 907477

Ion Ratio Lower Upper

252 100

253 24.0 18.6 27.8

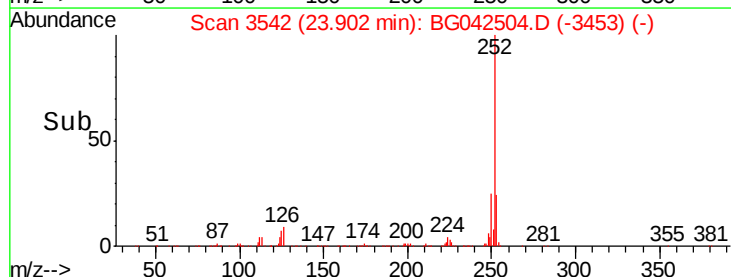
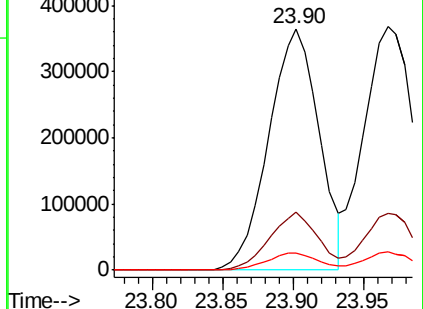
125 6.9 5.6 8.4

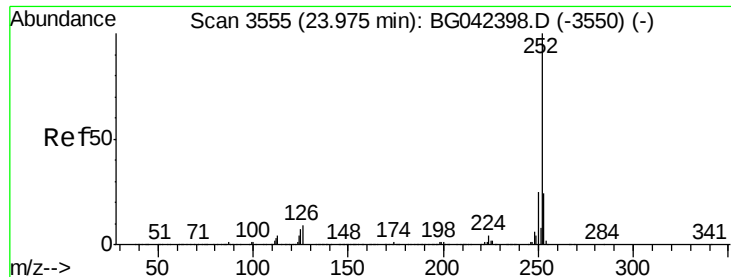


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

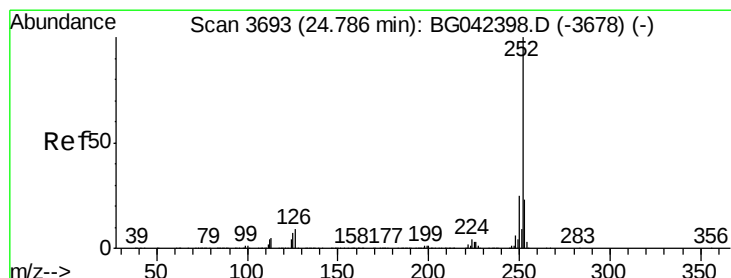
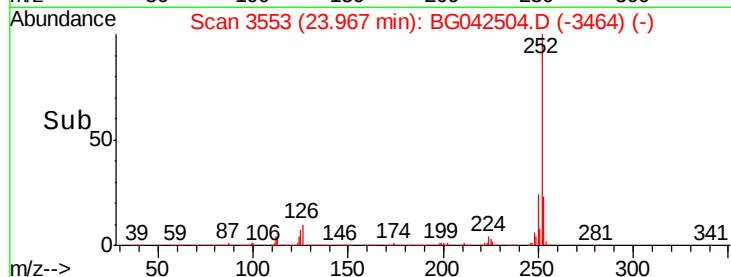
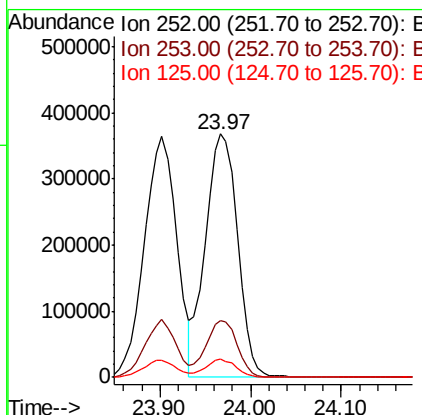
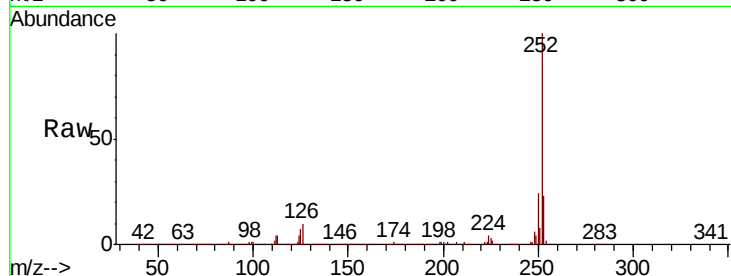




#89
Benzo(k)fluoranthene
Concen: 48.910 ng
RT: 23.97 min Scan# 3553
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

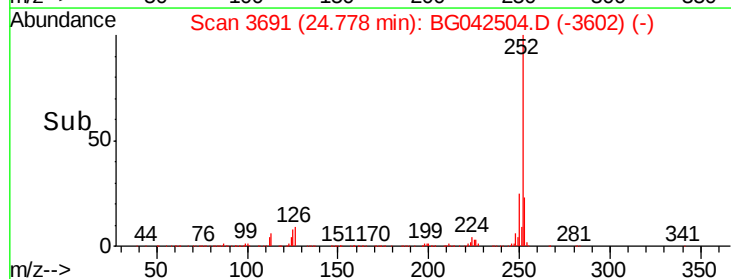
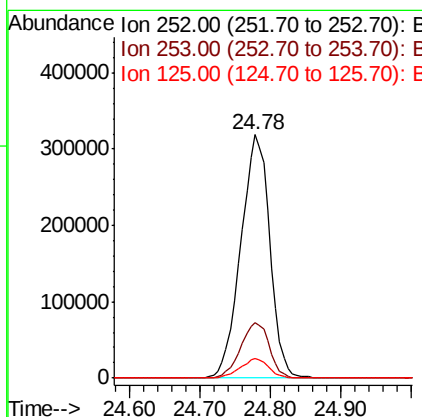
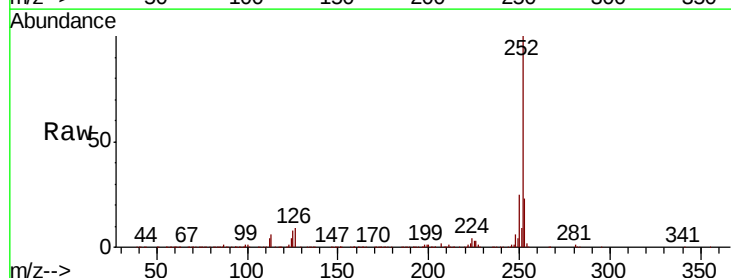
Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

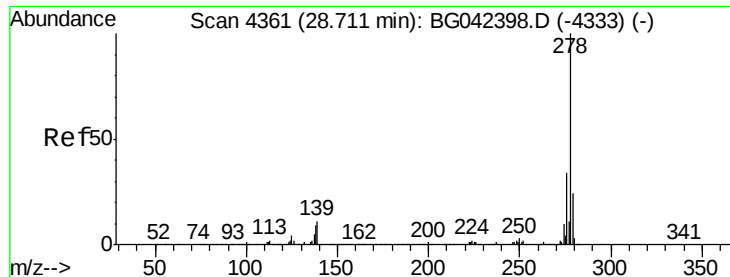
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	27.8
125	7.5	5.8	8.6



#90
Benzo(a)pyrene
Concen: 49.764 ng
RT: 24.78 min Scan# 3691
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	8.0	6.0	9.0





#91

Dibenzo(a,h)anthracene

Concen: 48.282 ng

RT: 28.70 min Scan# 4359

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

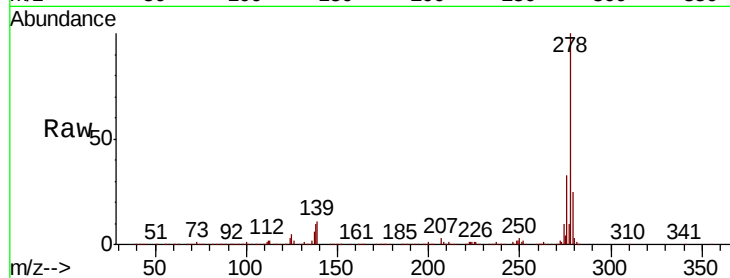
Tgt Ion:278 Resp: 893944

Ion Ratio Lower Upper

278 100

139 11.0 8.8 13.2

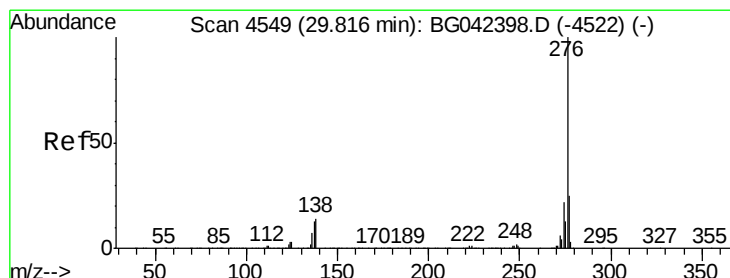
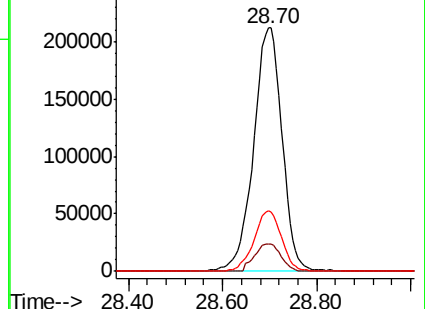
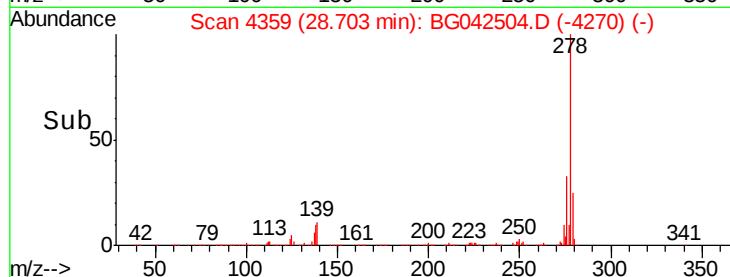
279 24.6 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 49.507 ng

RT: 29.80 min Scan# 4546

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

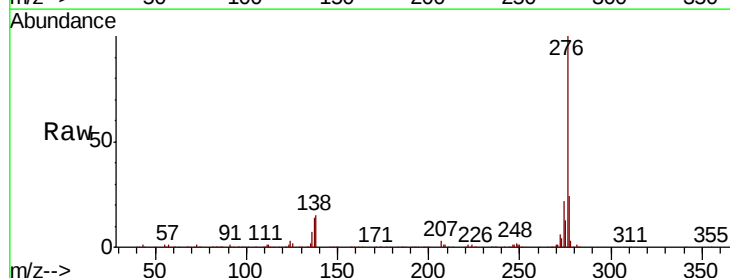
Tgt Ion:276 Resp: 916763

Ion Ratio Lower Upper

276 100

277 23.6 19.8 29.8

138 15.5 11.4 17.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

