

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG012918\
 Data File : BG032420.D
 Acq On : 29 Jan 2018 18:41
 Operator : SJ/JU
 Sample : J1196-22DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1035DL

Quant Time: Jan 30 04:26:44 2018
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	24822	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	100894	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	76739	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	216358	20.00	ng	0.00
75) Chrysene-d12	22.42	240	266081	20.00	ng	0.00
86) Perylene-d12	26.10	264	279367	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.15	112	37496	30.34	ng	0.00
7) Phenol-d6	7.83	99	48392	29.34	ng	0.00
23) Nitrobenzene-d5	9.92	82	30226	18.71	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	47012	32.18	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	128950	19.97	ng	0.00
78) Terphenyl-d14	20.62	244	314159	25.29	ng	0.00

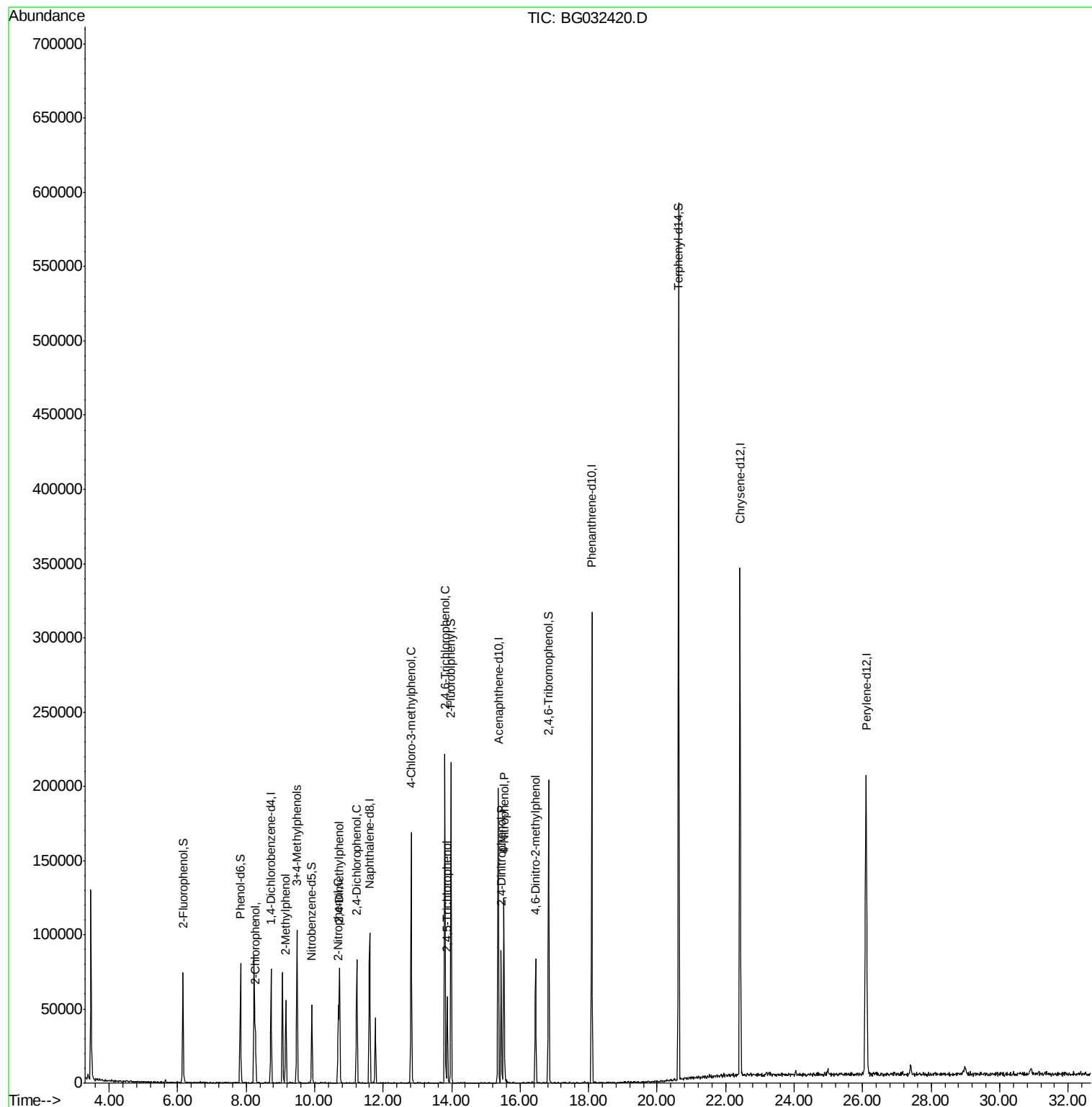
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) 2-Chlorophenol	8.27	128	18457	12.635	ng	# 73
17) 2-Methylphenol	9.15	107	18331	14.412	ng	95
20) 3+4-Methylphenols	9.48	107	49694	27.853	ng	96
26) 2-Nitrophenol	10.69	139	18893	20.009	ng	# 85
27) 2,4-Dimethylphenol	10.73	122	25958	19.154	ng	94
29) 2,4-Dichlorophenol	11.23	162	36872	20.538	ng	87
36) 4-Chloro-3-methylphenol	12.81	107	60401	35.468	ng	# 93
42) 2,4,6-Trichlorophenol	13.80	196	66614	34.112	ng	95
43) 2,4,5-Trichlorophenol	13.87	196	20085	8.823	ng	# 91
53) 2,4-Dinitrophenol	15.45	184	25180	29.873	ng	# 54
55) 4-Nitrophenol	15.52	139	34289	35.308	ng	# 78
64) 4,6-Dinitro-2-methylphenol	16.45	198	27547	17.043	ng	# 72

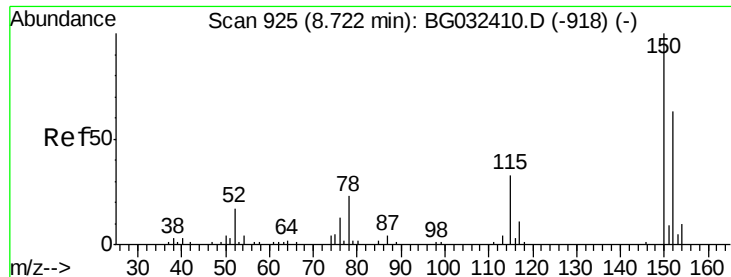
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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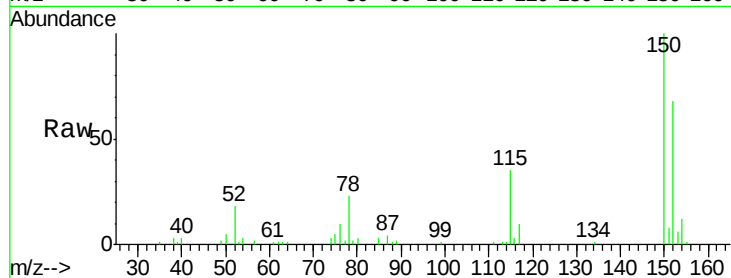


#1

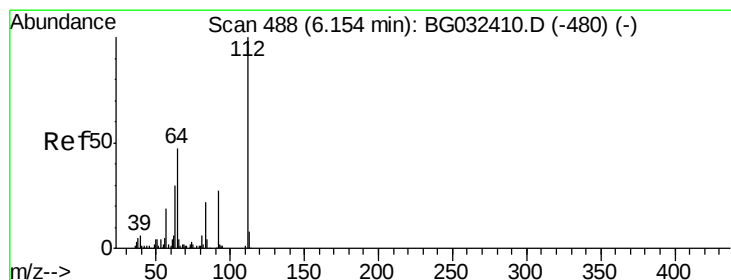
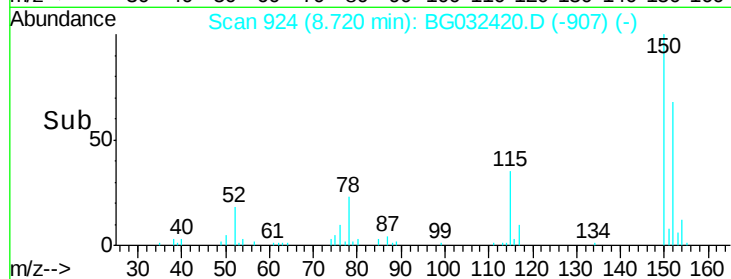
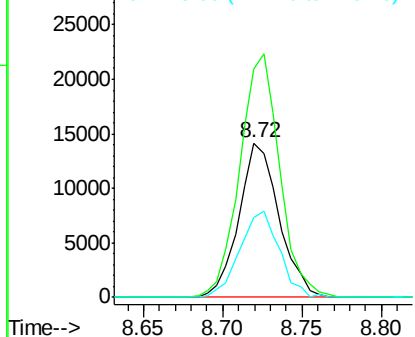
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 924
Delta R.T. -0.00 min
Lab File: BG032420.D
Acq: 29 Jan 2018 18:41

Instrument :
BNA_G
ClientSampleId :
1035DL

Tgt Ion:152 Resp: 24822
Ion Ratio Lower Upper
152 100
150 147.4 126.6 189.8
115 52.0 53.0 79.4#



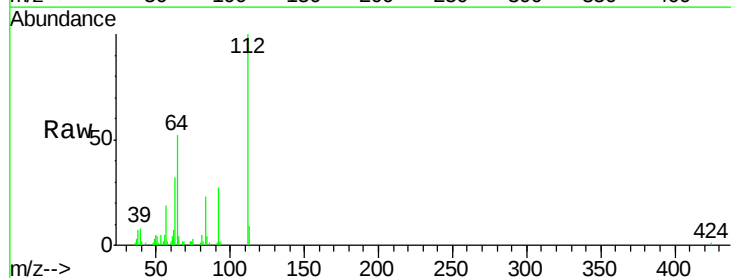
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



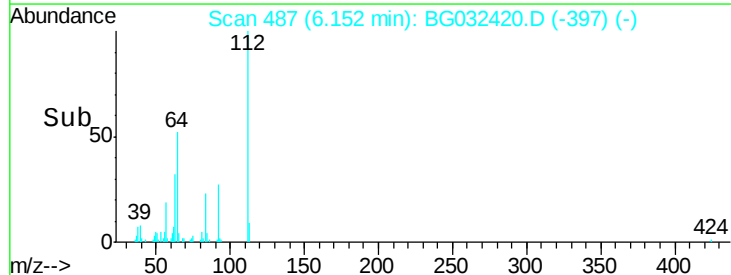
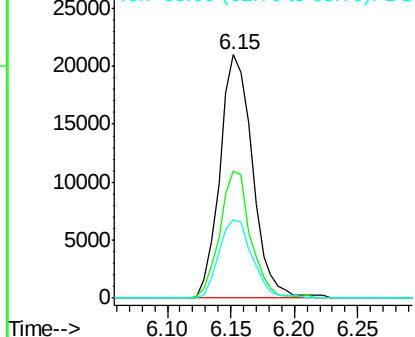
#5

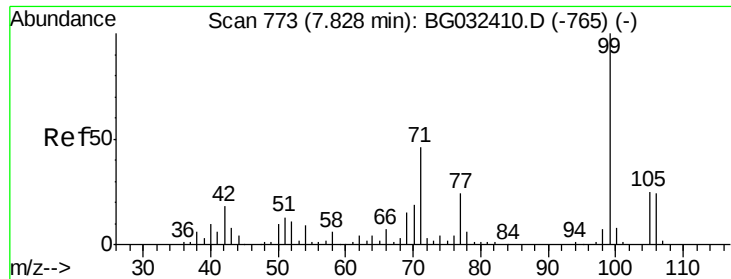
2-Fluorophenol
Concen: 30.341 ng
RT: 6.15 min Scan# 487
Delta R.T. -0.00 min
Lab File: BG032420.D
Acq: 29 Jan 2018 18:41

Tgt Ion:112 Resp: 37496
Ion Ratio Lower Upper
112 100
64 52.1 56.3 84.5#
63 32.1 30.1 45.1



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





#7

Phenol-d6

Concen: 29.345 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032420.D

Acq: 29 Jan 2018 18:41

Instrument :

BNA_G

ClientSampleId :

1035DL

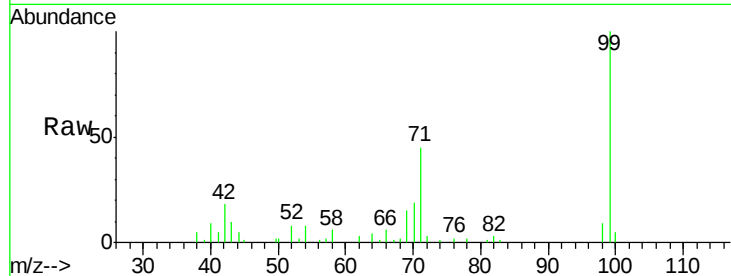
Tgt Ion: 99 Resp: 48392

Ion Ratio Lower Upper

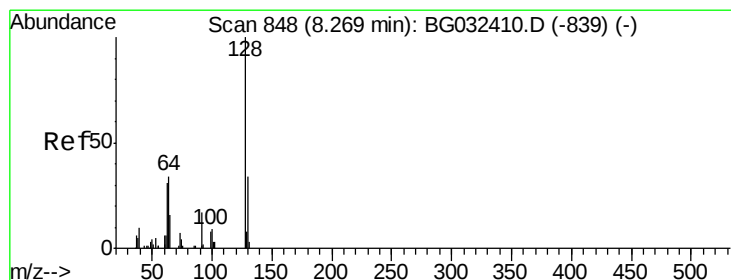
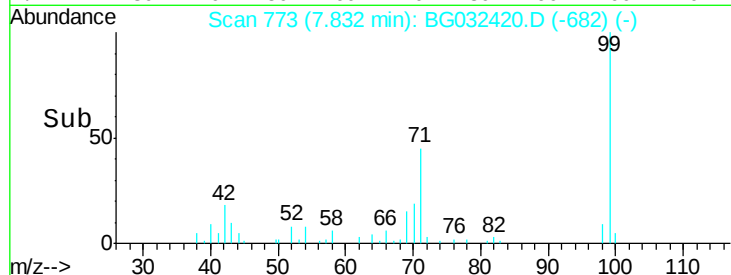
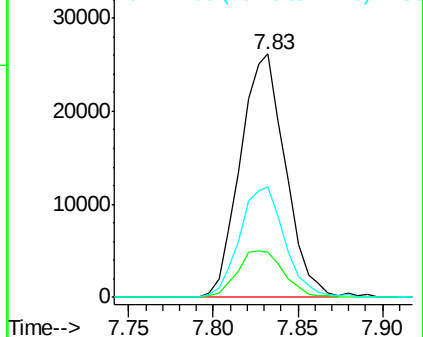
99 100

42 18.5 14.1 21.1

71 45.3 26.1 39.1#



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: 12.635 ng

RT: 8.27 min Scan# 848

Delta R.T. 0.00 min

Lab File: BG032420.D

Acq: 29 Jan 2018 18:41

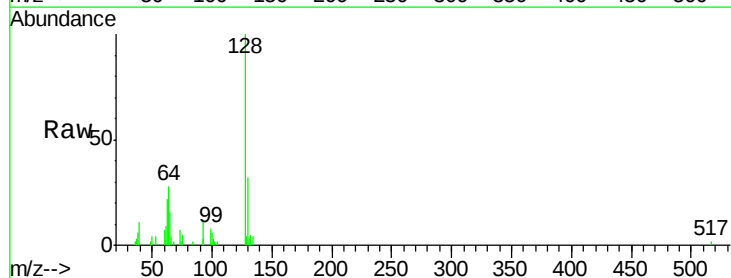
Tgt Ion: 128 Resp: 18457

Ion Ratio Lower Upper

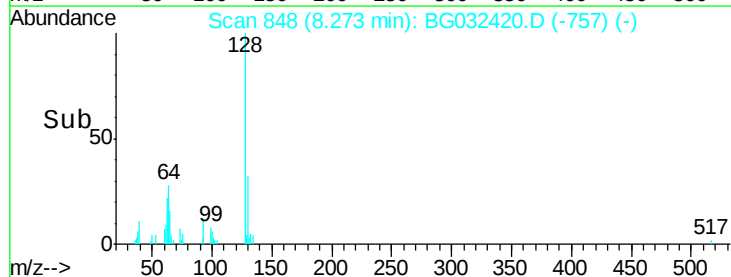
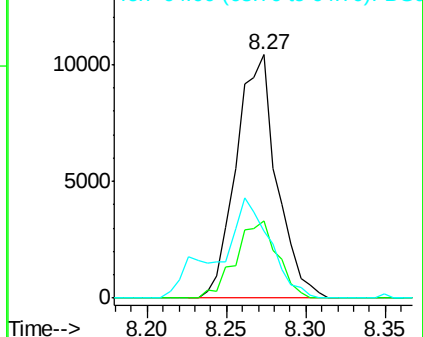
128 100

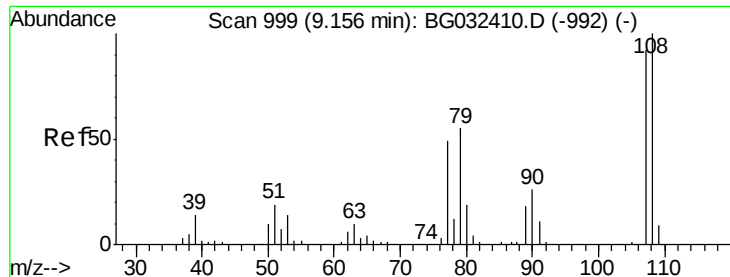
130 31.7 14.0 54.0

64 27.5 37.7 77.7#



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

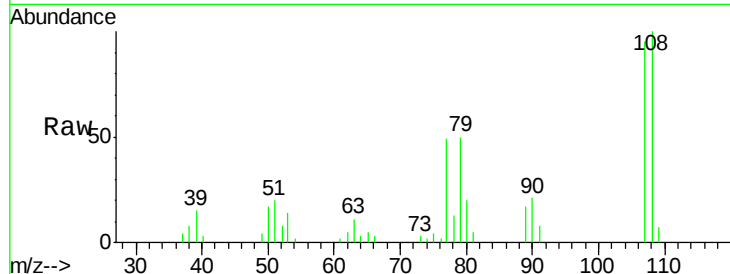




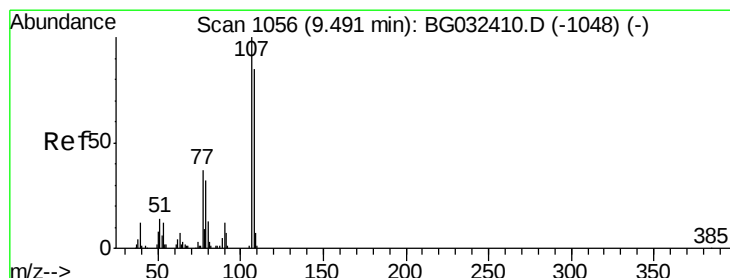
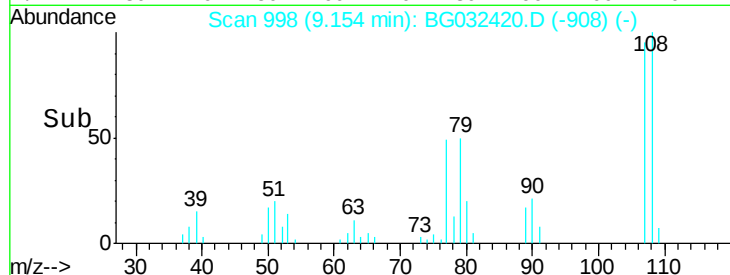
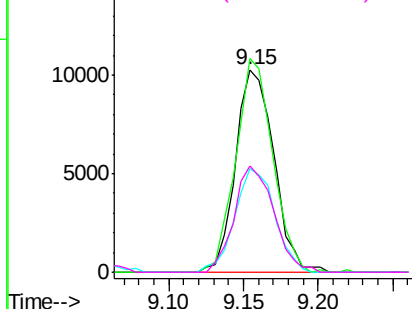
#17
2-Methylphenol
Concen: 14.412 ng
RT: 9.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: BG032420.D
Acq: 29 Jan 2018 18:41

Instrument :
BNA_G
ClientSampleId :
1035DL

Tgt Ion:107 Resp: 18331
Ion Ratio Lower Upper
107 100
108 105.6 83.9 125.9
77 51.3 37.2 55.8
79 52.8 36.2 54.2

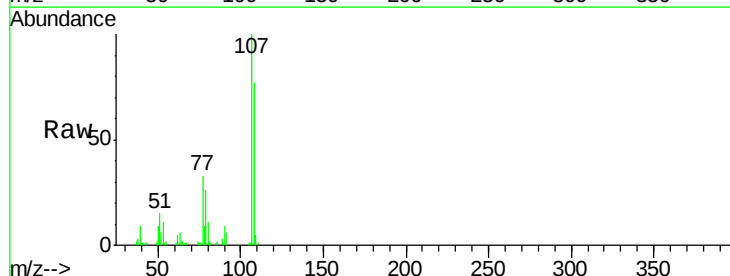


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

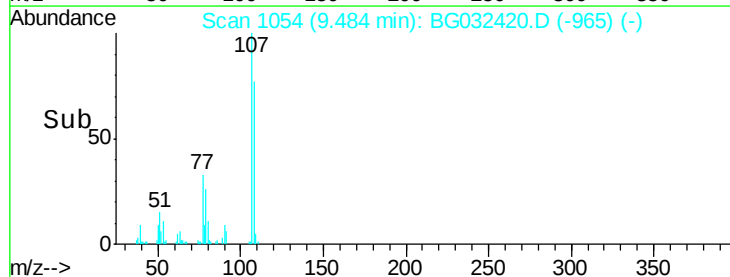
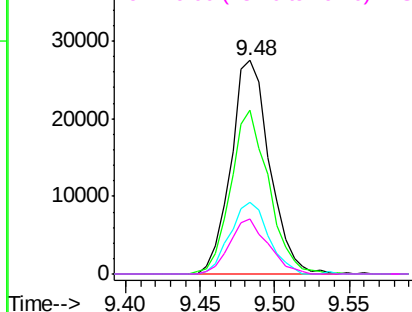


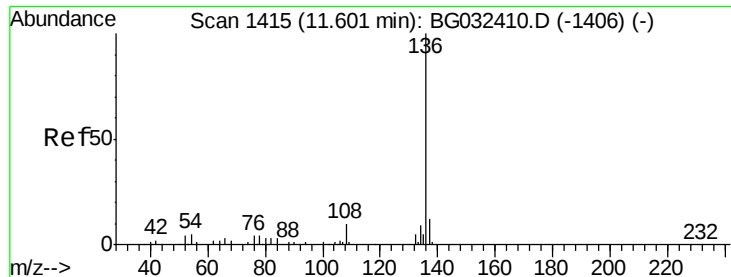
#20
3+4-Methylphenols
Concen: 27.853 ng
RT: 9.48 min Scan# 1054
Delta R.T. -0.01 min
Lab File: BG032420.D
Acq: 29 Jan 2018 18:41

Tgt Ion:107 Resp: 49694
Ion Ratio Lower Upper
107 100
108 76.6 61.6 101.6
77 33.4 13.9 53.9
79 25.9 8.8 48.8



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): BGC
Ion 79.00 (78.70 to 79.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.60 min Scan# 1415

Delta R.T. 0.00 min

Lab File: BG032420.D

Acq: 29 Jan 2018 18:41

Instrument :

BNA_G

ClientSampleId :

1035DL

Tgt Ion: 136 Resp: 100894

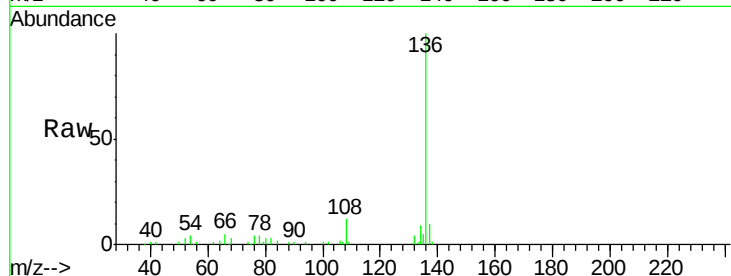
Ion Ratio Lower Upper

136 100

137 9.9 9.2 13.8

54 4.0 10.3 15.5#

68 2.7 4.5 6.7#

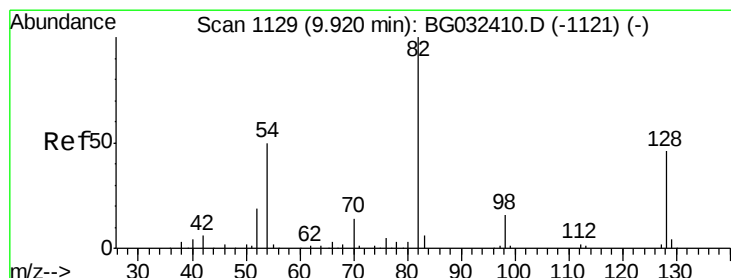
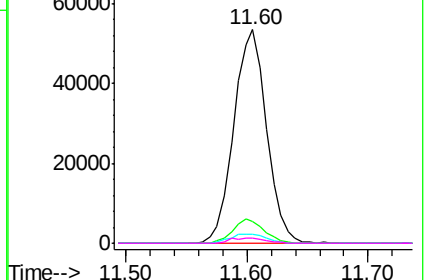
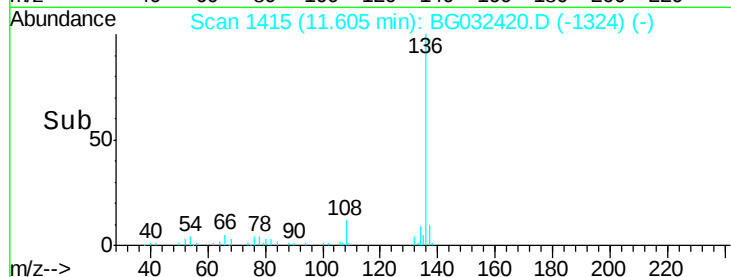


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 18.712 ng

RT: 9.92 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BG032420.D

Acq: 29 Jan 2018 18:41

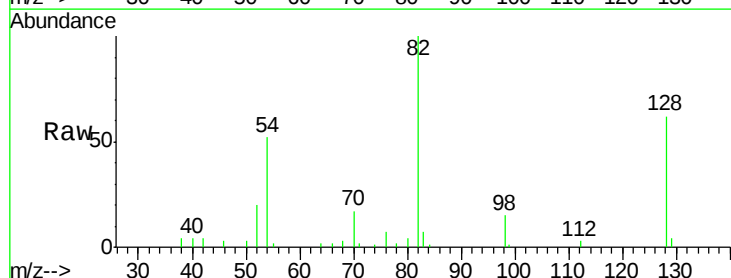
Tgt Ion: 82 Resp: 30226

Ion Ratio Lower Upper

82 100

128 62.3 29.7 44.5#

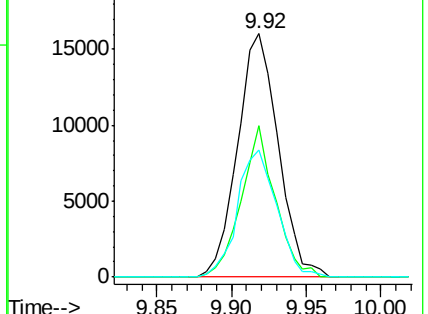
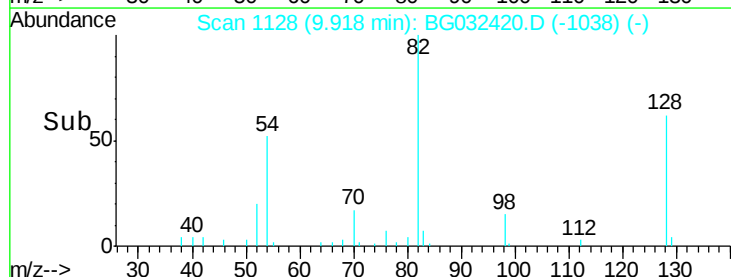
54 52.4 43.1 64.7

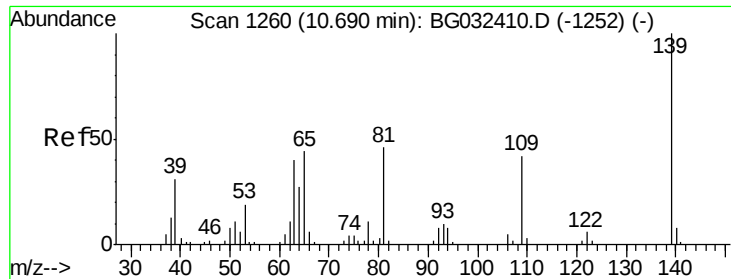


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

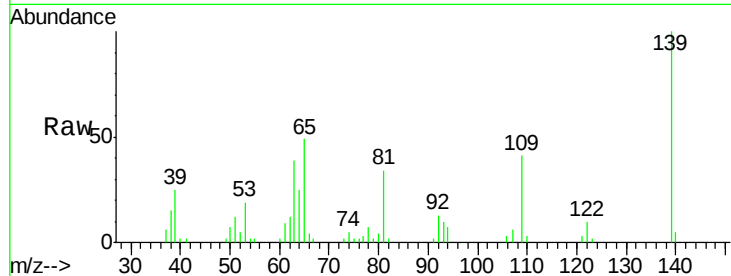




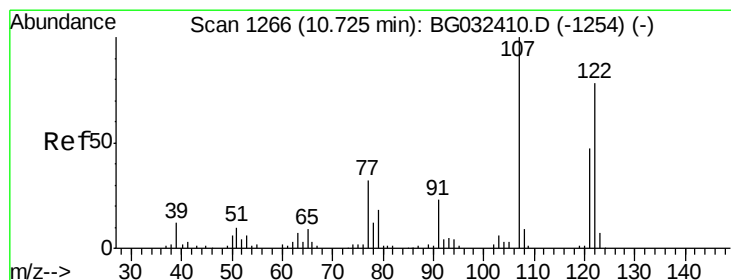
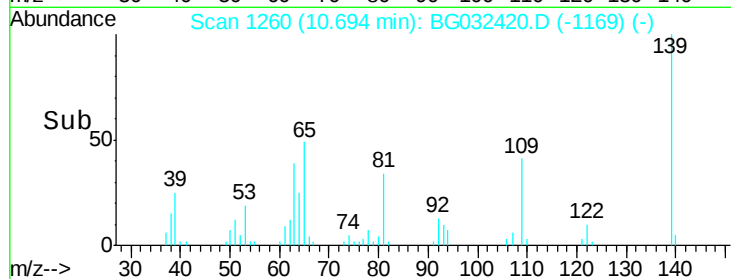
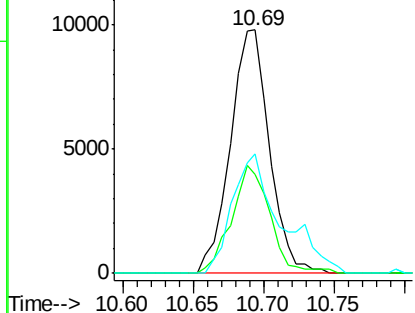
#26
2-Nitrophenol
Concen: 20.009 ng
RT: 10.69 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BG032420.D
Acq: 29 Jan 2018 18:41

Instrument :
BNA_G
ClientSampleId :
1035DL

Tgt Ion:139 Resp: 18893
Ion Ratio Lower Upper
139 100
109 40.8 24.2 36.2#
65 49.3 47.4 71.0

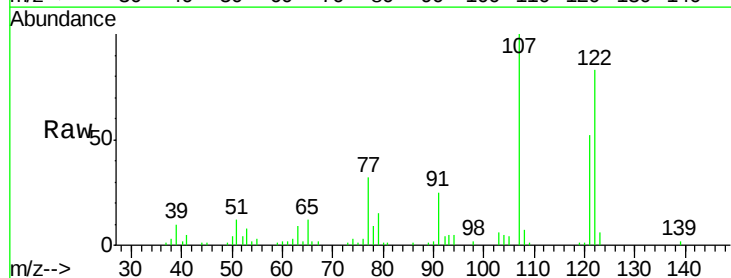


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

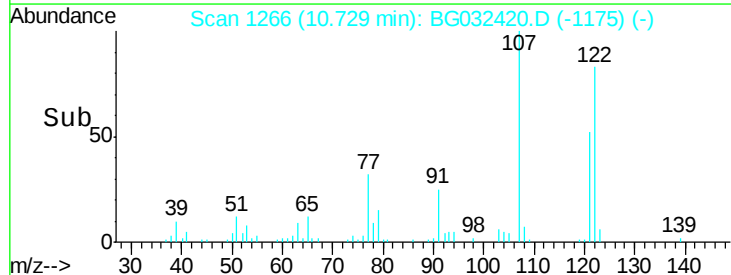
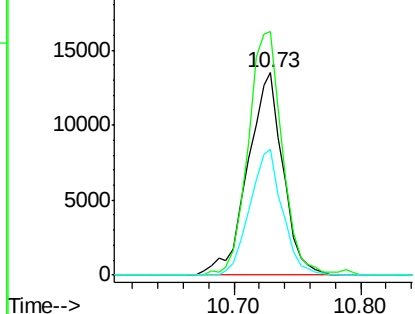


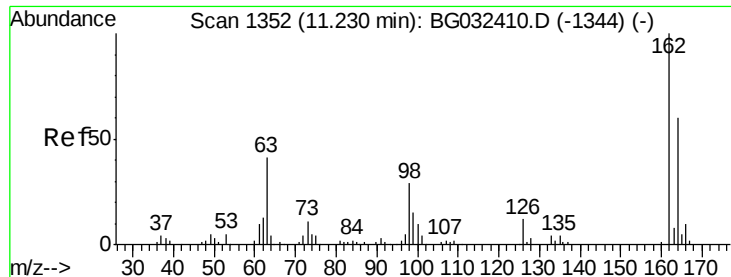
#27
2,4-Dimethylphenol
Concen: 19.154 ng
RT: 10.73 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BG032420.D
Acq: 29 Jan 2018 18:41

Tgt Ion:122 Resp: 25958
Ion Ratio Lower Upper
122 100
107 120.3 100.2 150.2
121 62.1 44.4 66.6



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#29

2,4-Dichlorophenol

Concen: 20.538 ng

RT: 11.23 min Scan# 1352

Delta R.T. 0.00 min

Lab File: BG032420.D

Acq: 29 Jan 2018 18:41

Instrument :

BNA_G

ClientSampleId :

1035DL

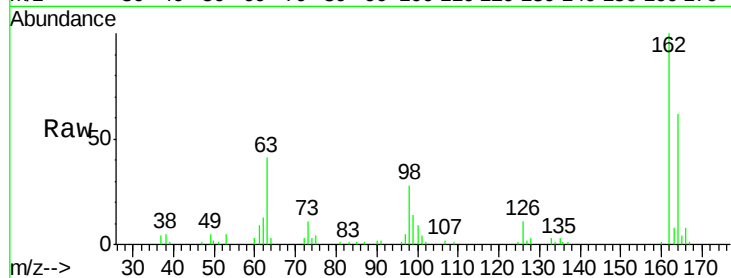
Tgt Ion:162 Resp: 36872

Ion Ratio Lower Upper

162 100

164 62.1 48.0 88.0

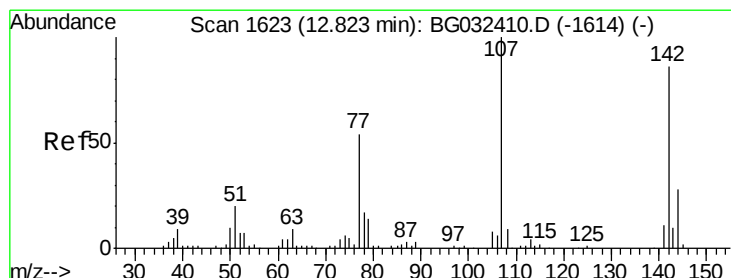
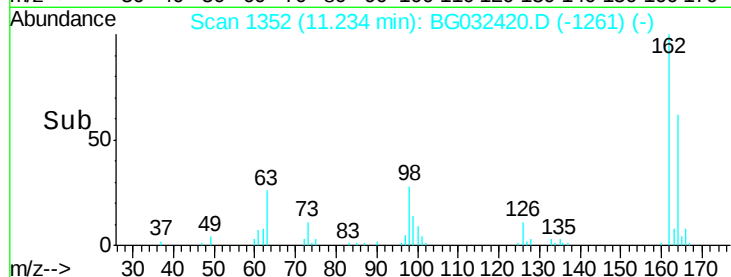
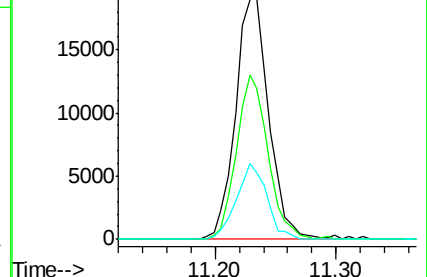
98 27.5 21.1 61.1



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): E



#36

4-Chloro-3-methylphenol

Concen: 35.468 ng

RT: 12.81 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BG032420.D

Acq: 29 Jan 2018 18:41

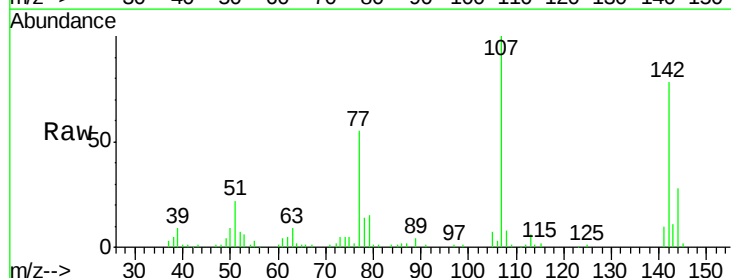
Tgt Ion:107 Resp: 60401

Ion Ratio Lower Upper

107 100

144 28.1 18.2 27.4#

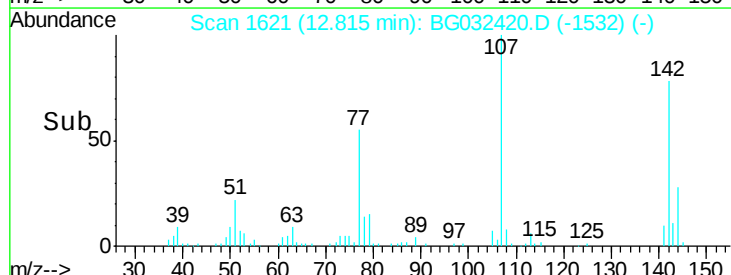
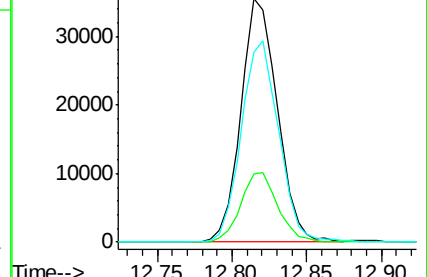
142 78.1 59.0 88.4

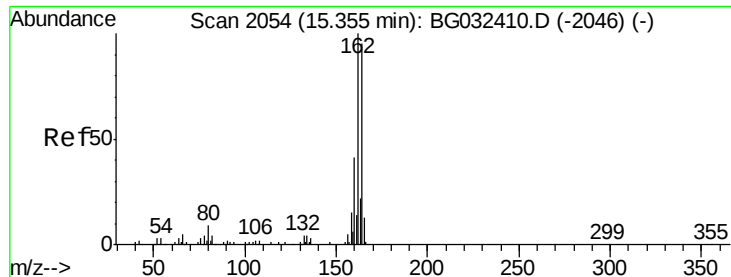


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BG032420.D

Acq: 29 Jan 2018 18:41

Instrument :

BNA_G

ClientSampleId :

1035DL

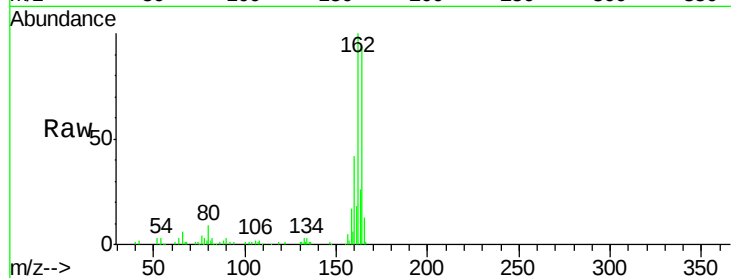
Tgt Ion:164 Resp: 76739

Ion Ratio Lower Upper

164 100

162 106.6 78.8 118.2

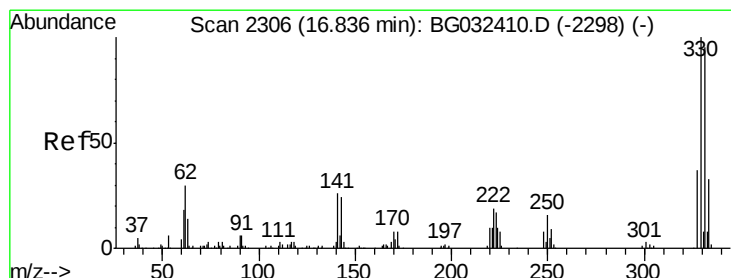
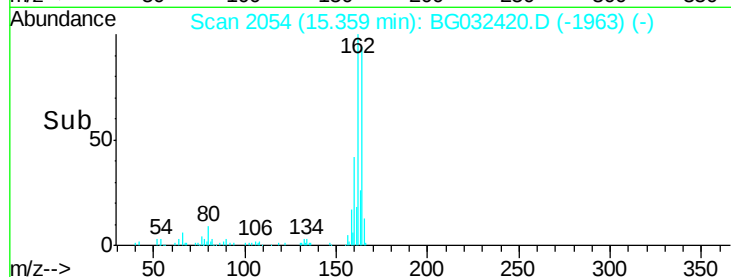
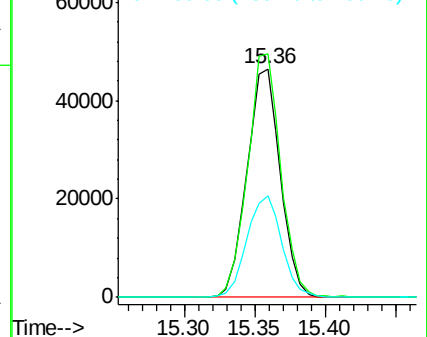
160 44.5 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 32.184 ng

RT: 16.83 min Scan# 2304

Delta R.T. -0.01 min

Lab File: BG032420.D

Acq: 29 Jan 2018 18:41

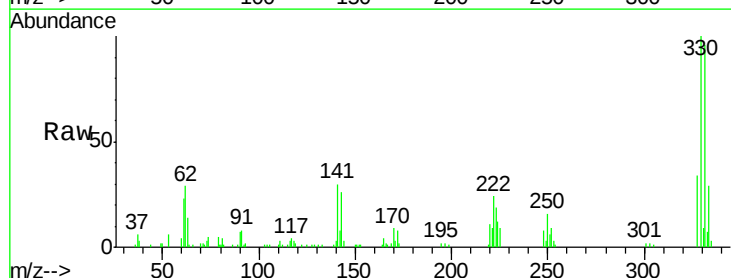
Tgt Ion:330 Resp: 47012

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

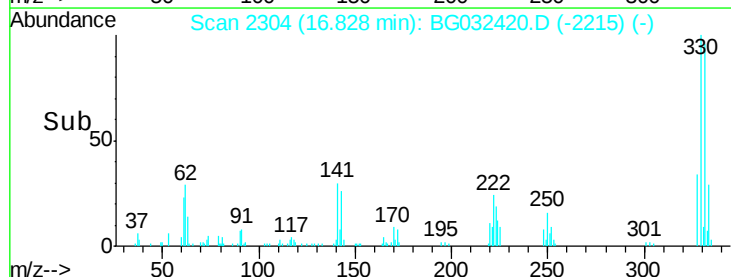
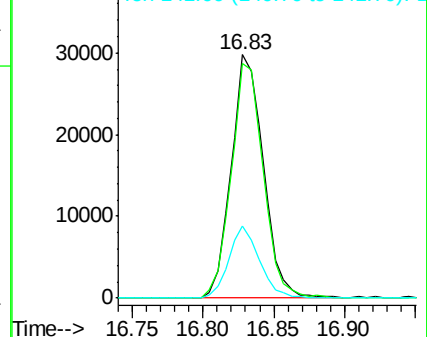
141 28.2 25.2 37.8

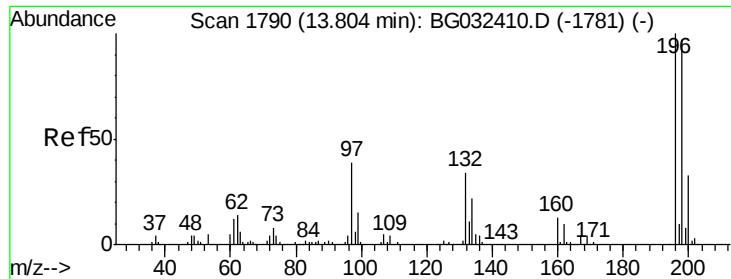


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

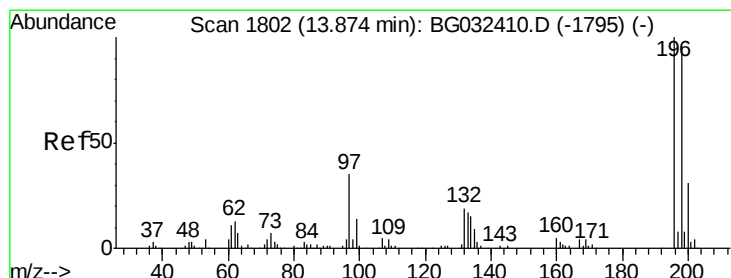
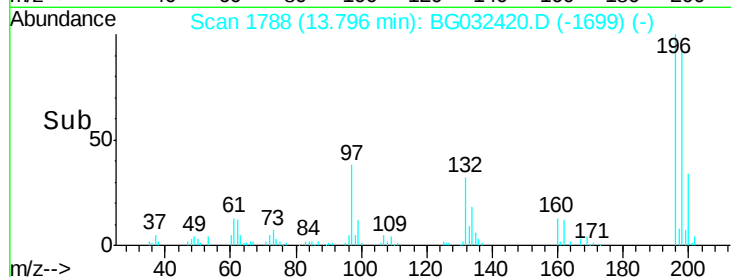
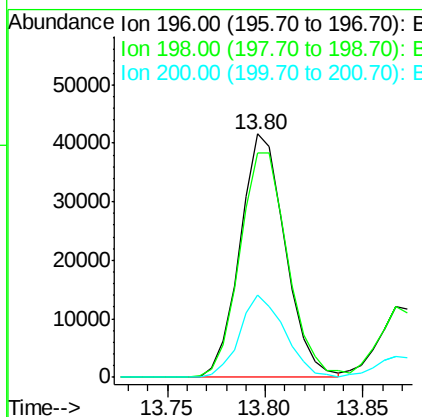
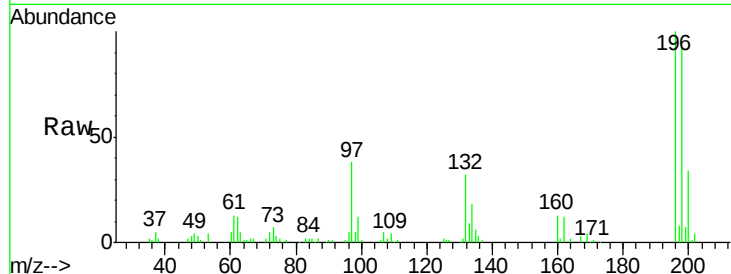




#42
 2,4,6-Trichlorophenol
 Concen: 34.112 ng
 RT: 13.80 min Scan# 1788
 Delta R.T. -0.01 min
 Lab File: BG032420.D
 Acq: 29 Jan 2018 18:41

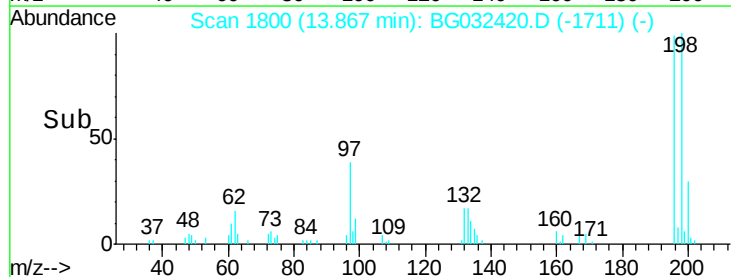
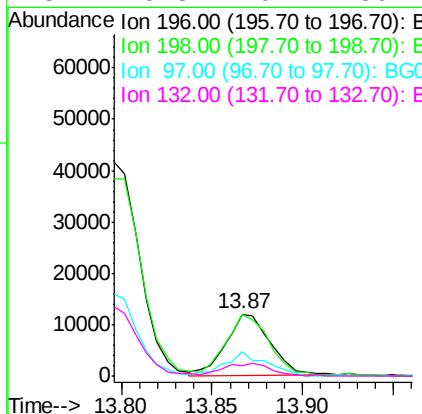
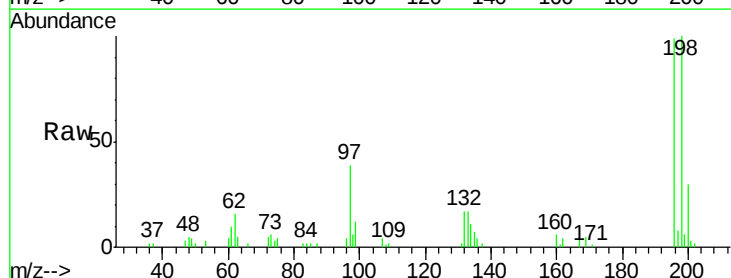
Instrument :
 BNA_G
 ClientSampled :
 1035DL

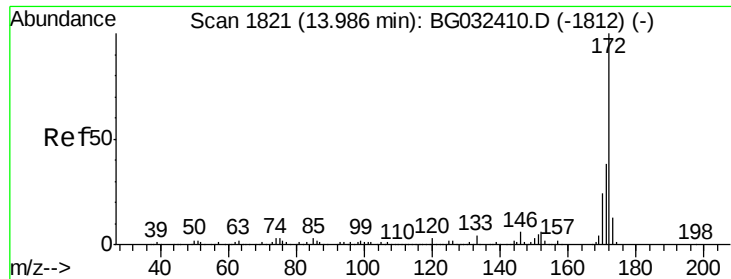
Tgt Ion:196 Resp: 66614
 Ion Ratio Lower Upper
 196 100
 198 92.2 78.2 117.2
 200 33.6 24.6 36.8



#43
 2,4,5-Trichlorophenol
 Concen: 8.823 ng
 RT: 13.87 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BG032420.D
 Acq: 29 Jan 2018 18:41

Tgt Ion:196 Resp: 20085
 Ion Ratio Lower Upper
 196 100
 198 100.5 76.2 114.4
 97 39.0 38.7 58.1
 132 16.8 20.2 30.2#

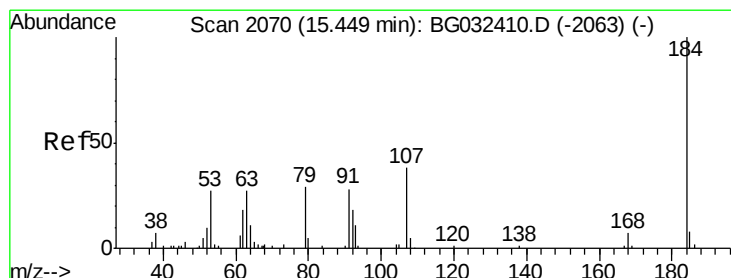
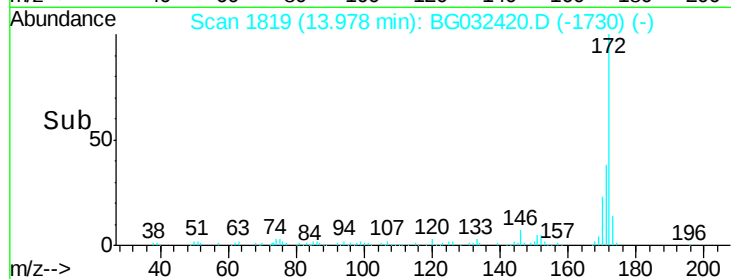
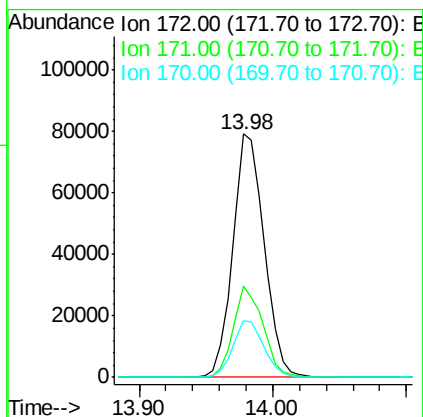
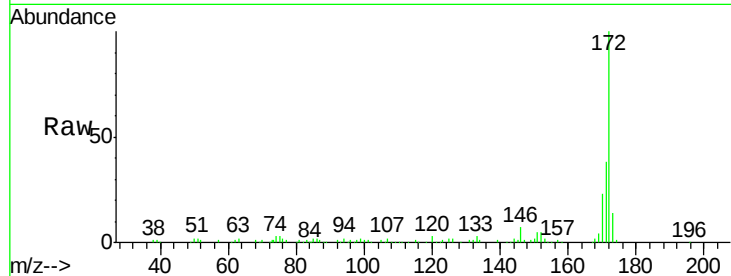




#44
2-Fluorobiphenyl
Concen: 19.972 ng
RT: 13.98 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BG032420.D
Acq: 29 Jan 2018 18:41

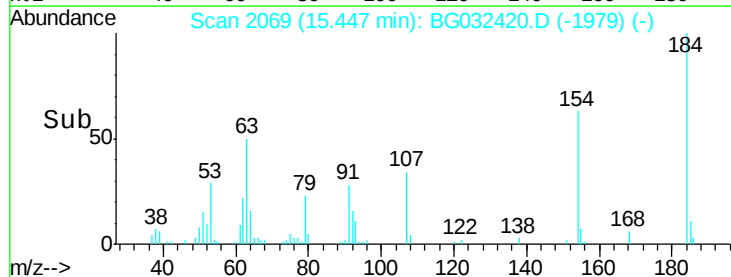
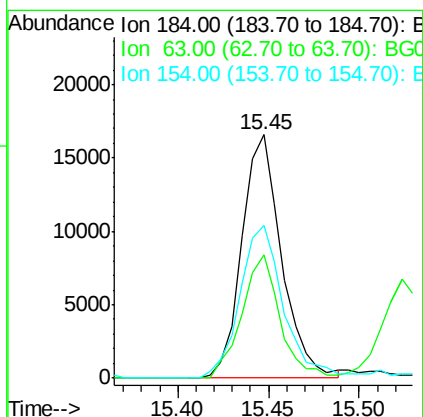
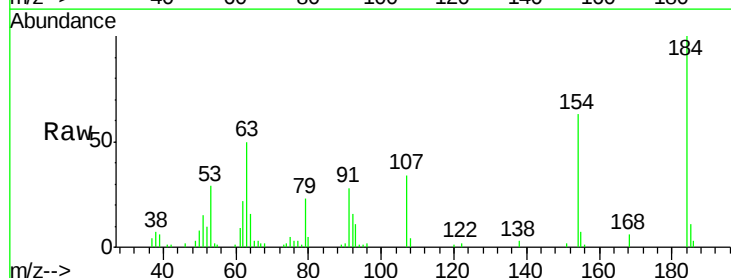
Instrument :
BNA_G
ClientSampled :
1035DL

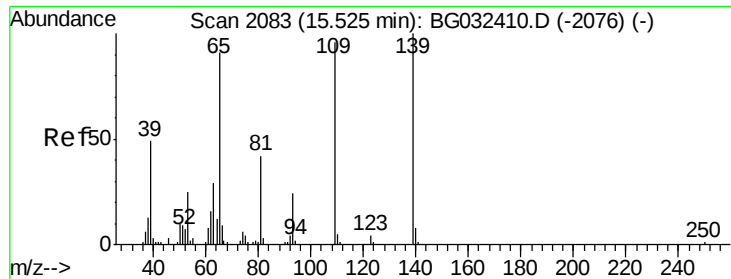
Tgt Ion:172 Resp: 128950
Ion Ratio Lower Upper
172 100
171 37.5 30.0 45.0
170 23.3 19.5 29.3



#53
2,4-Dinitrophenol
Concen: 29.873 ng
RT: 15.45 min Scan# 2069
Delta R.T. -0.00 min
Lab File: BG032420.D
Acq: 29 Jan 2018 18:41

Tgt Ion:184 Resp: 25180
Ion Ratio Lower Upper
184 100
63 50.4 59.8 89.8#
154 62.6 101.8 152.8#





#55

4-Nitrophenol

Concen: 35.308 ng

RT: 15.52 min Scan# 2082

Delta R.T. -0.00 min

Lab File: BG032420.D

Acq: 29 Jan 2018 18:41

Instrument :

BNA_G

ClientSampled :

1035DL

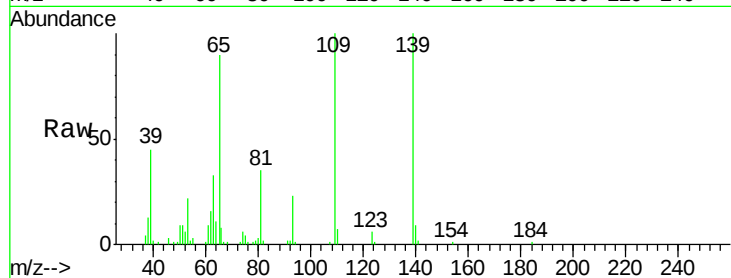
Tgt Ion:139 Resp: 34289

Ion Ratio Lower Upper

139 100

109 99.8 62.2 102.2

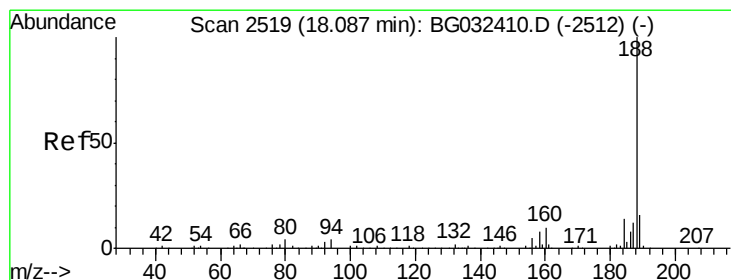
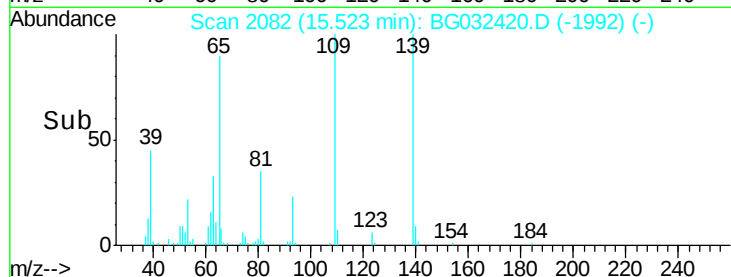
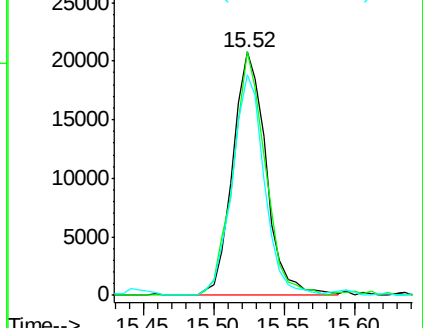
65 90.4 97.2 137.2#



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.09 min Scan# 2519

Delta R.T. 0.00 min

Lab File: BG032420.D

Acq: 29 Jan 2018 18:41

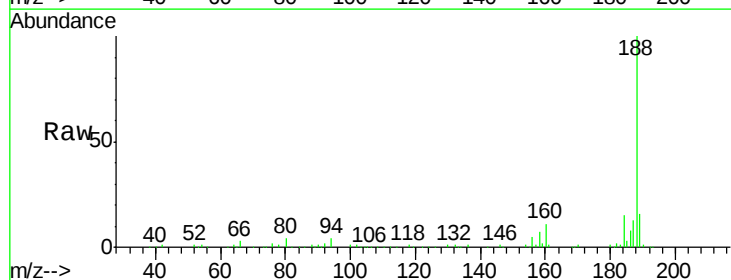
Tgt Ion:188 Resp: 216358

Ion Ratio Lower Upper

188 100

94 3.8 6.9 10.3#

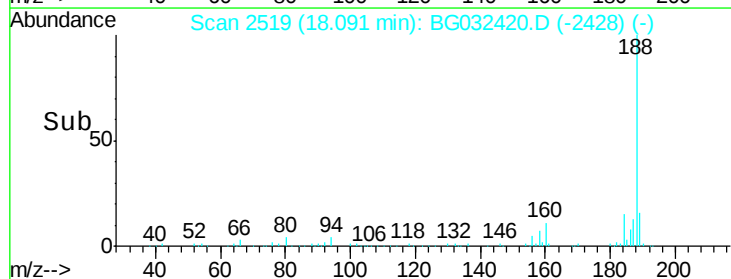
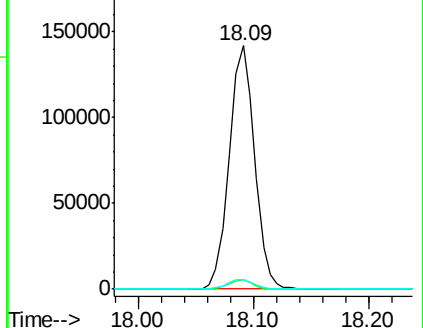
80 3.9 7.7 11.5#

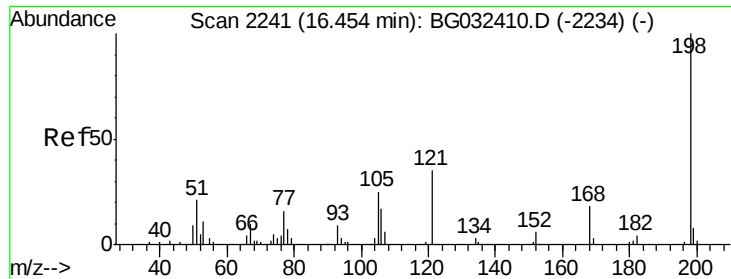


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

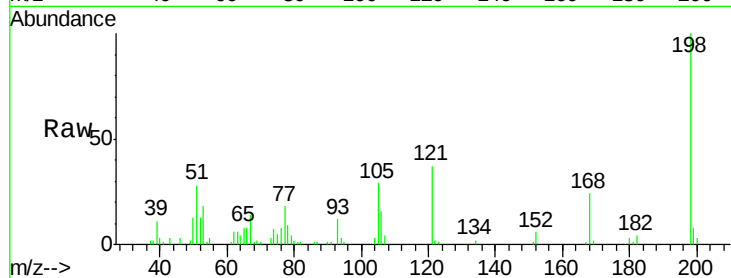




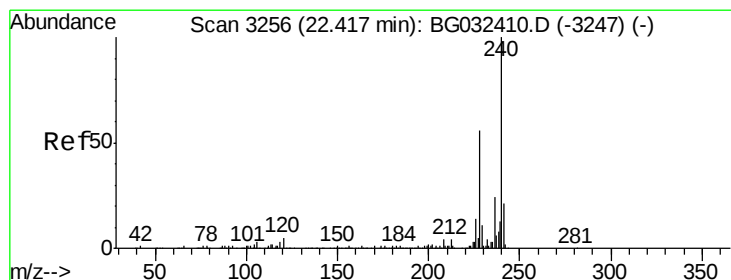
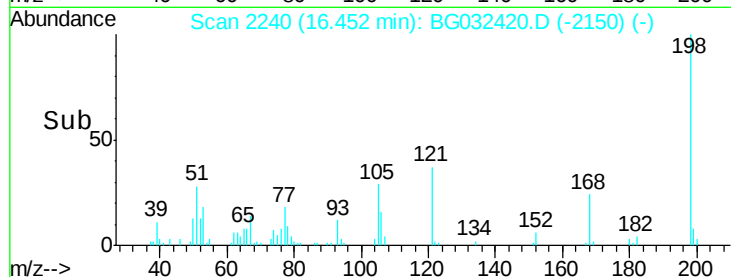
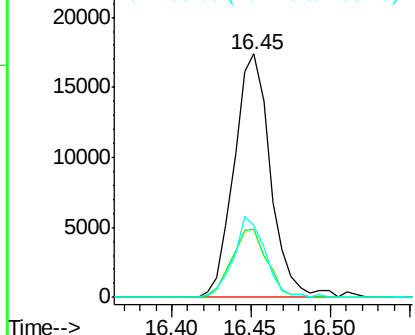
#64
 4,6-Dinitro-2-methylphenol
 Concen: 17.043 ng
 RT: 16.45 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: BG032420.D
 Acq: 29 Jan 2018 18:41

Instrument :
 BNA_G
 ClientSampleId :
 1035DL

Tgt Ion:198 Resp: 27547
 Ion Ratio Lower Upper
 198 100
 51 28.1 30.6 70.6#
 105 29.4 23.8 63.8

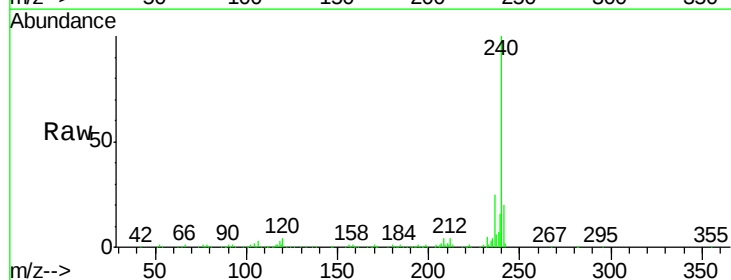


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

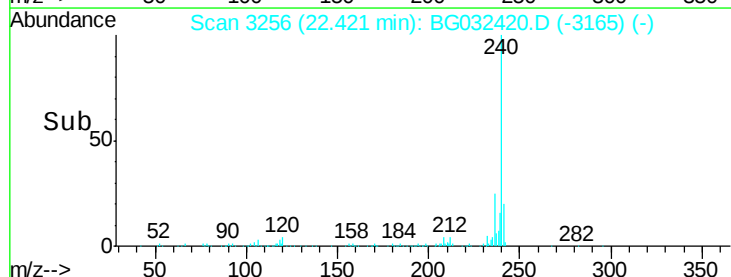
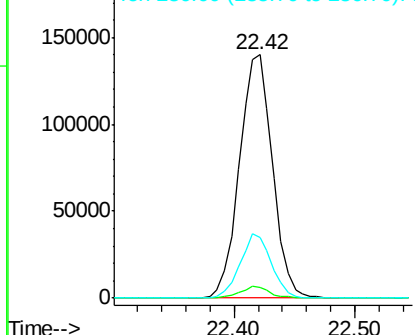


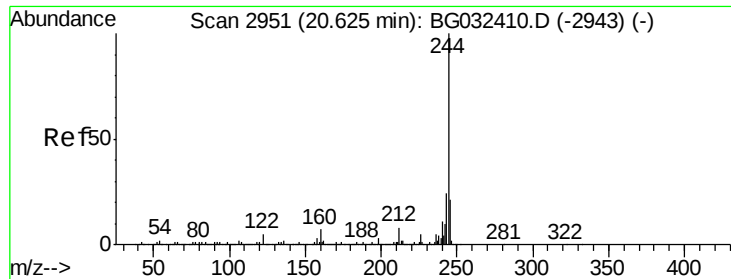
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.42 min Scan# 3256
 Delta R.T. 0.00 min
 Lab File: BG032420.D
 Acq: 29 Jan 2018 18:41

Tgt Ion:240 Resp: 266081
 Ion Ratio Lower Upper
 240 100
 120 4.1 6.8 10.2#
 236 24.9 20.9 31.3



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





#78

Terphenyl-d14

Concen: 25.291 ng

RT: 20.62 min Scan# 2950

Delta R.T. -0.00 min

Lab File: BG032420.D

Acq: 29 Jan 2018 18:41

Instrument :

BNA_G

ClientSampleId :

1035DL

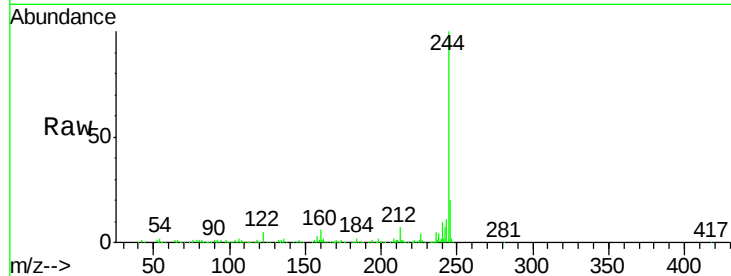
Tgt Ion:244 Resp: 314159

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

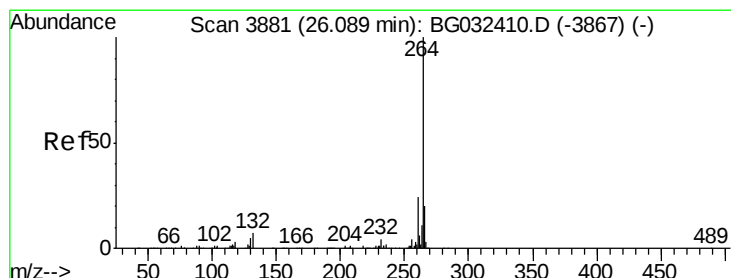
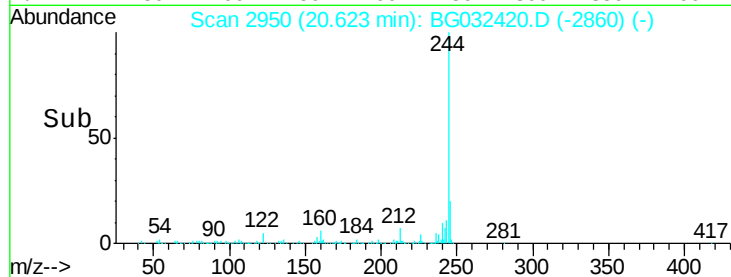
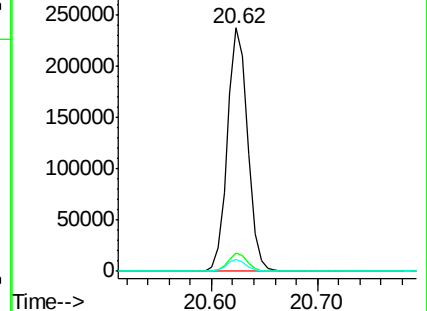
122 5.0 7.0 10.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.10 min Scan# 3882

Delta R.T. 0.01 min

Lab File: BG032420.D

Acq: 29 Jan 2018 18:41

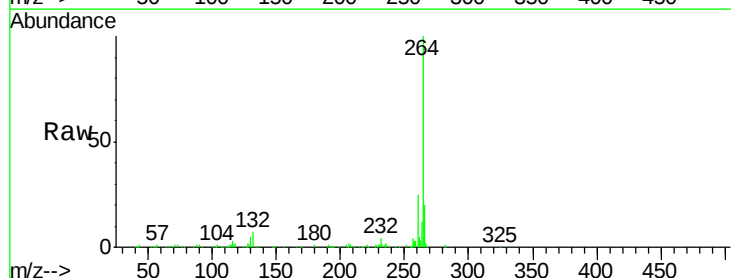
Tgt Ion:264 Resp: 279367

Ion Ratio Lower Upper

264 100

260 25.4 17.4 26.0

265 20.5 17.7 26.5



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

