

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033168.D
 Acq On : 15 Mar 2018 6:23
 Operator : SJ/JU
 Sample : J1754-08
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 15 07:57:19 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	37214	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	163743	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	97351	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	242188	20.00	ng	0.00
75) Chrysene-d12	22.60	240	232836	20.00	ng	0.00
86) Perylene-d12	26.41	264	247666	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	6.32	112	376024	161.66	ng	0.00
7) Phenol-d6	8.00	99	456666	140.85	ng	0.00
23) Nitrobenzene-d5	10.10	82	345724	139.35	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	274032	267.71	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	773963	114.66	ng	0.00
78) Terphenyl-d14	20.77	244	1364974	131.71	ng	0.00

Target Compounds

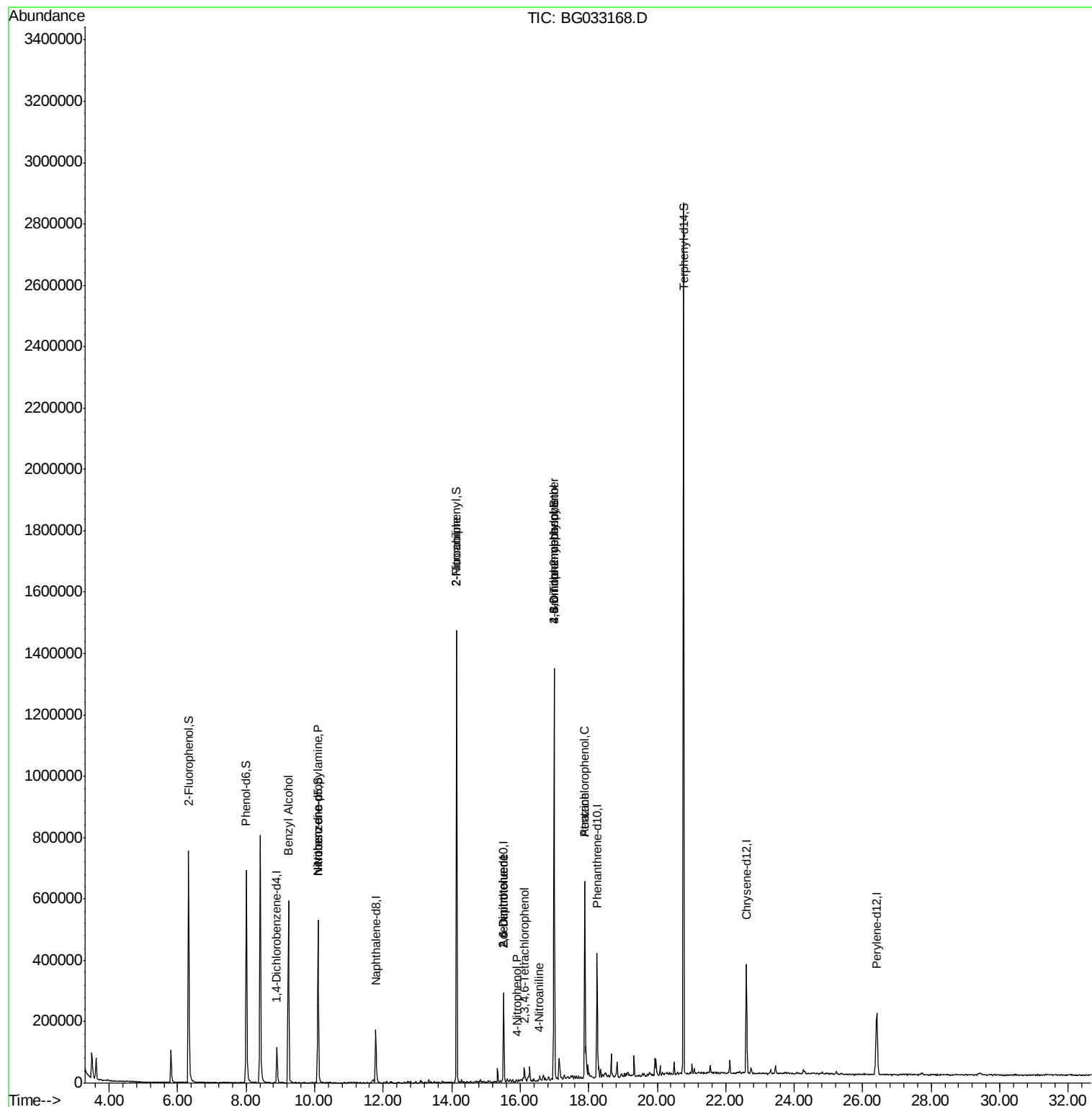
						Qvalue
15) Benzyl Alcohol	9.24	79	5393	2.263	ng	# 41
19) n-Nitroso-di-n-propylamine	10.10	70	47360	20.691	ng	# 84
24) Nitrobenzene	10.10	77	1135	6.757	ng	# 27
47) 2-Nitroaniline	14.14	65	1646	10.652	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	12811	16.526	ng	# 20
55) 4-Nitrophenol	15.90	139	60	7.121	ng	# 35
56) 2,4-Dinitrotoluene	15.52	165	12811	14.725	ng	# 18
58) 2,3,4,6-Tetrachlorophenol	16.12	232	11304	6.903	ng	# 90
61) 4-Nitroaniline	16.56	138	193	5.396	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.99	198	802	6.350	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	17683	6.905	ng	# 1
68) Atrazine	17.88	200	24658	9.508	ng	# 35
69) Pentachlorophenol	17.88	266	127082	72.903	ng	97

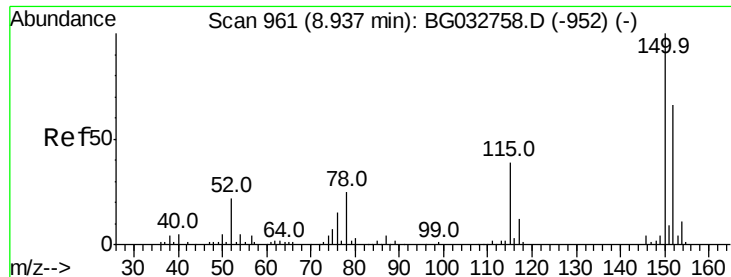
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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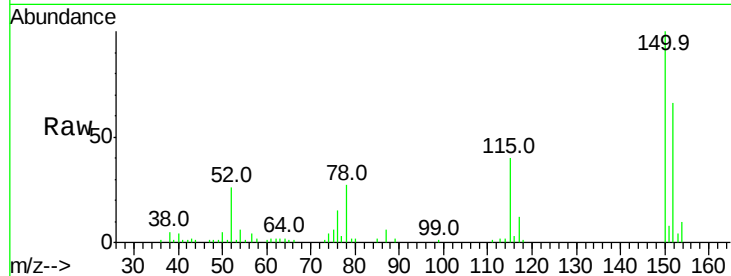


#1

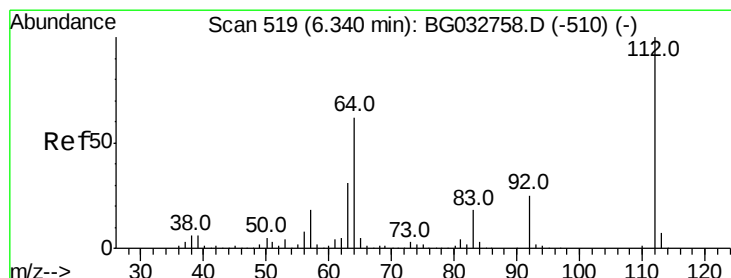
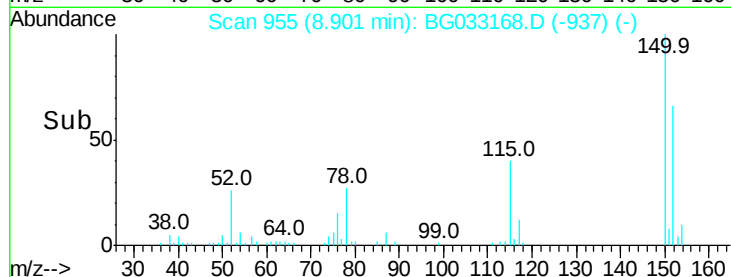
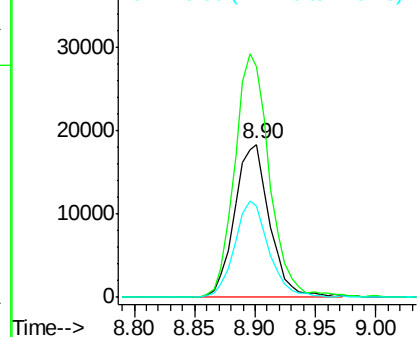
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033168.D
Acq: 15 Mar 2018 6:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 37214
Ion Ratio Lower Upper
152 100
150 151.2 126.6 189.8
115 60.0 53.0 79.4



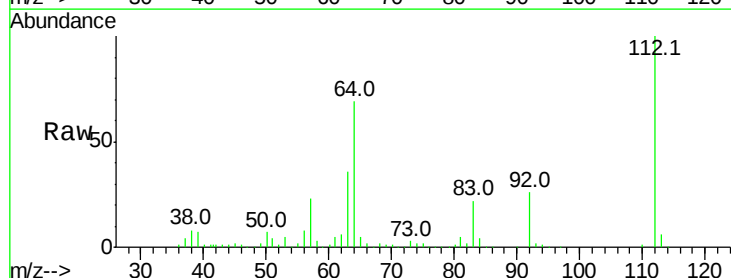
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



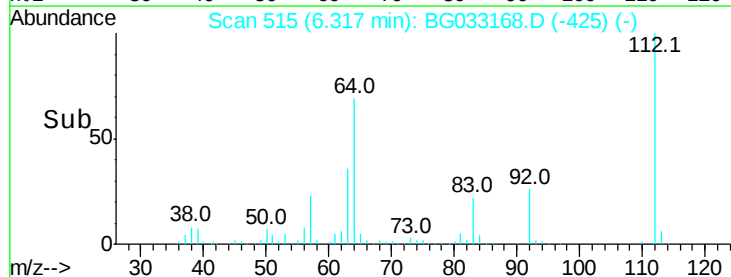
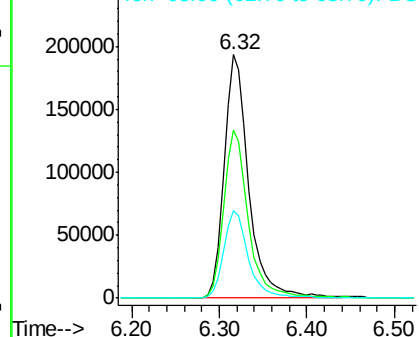
#5

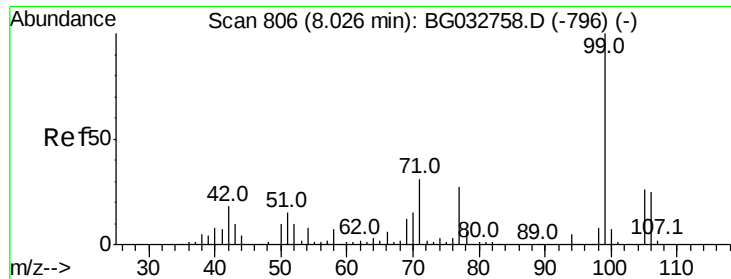
2-Fluorophenol
Concen: 161.655 ng
RT: 6.32 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033168.D
Acq: 15 Mar 2018 6:23

Tgt Ion:112 Resp: 376024
Ion Ratio Lower Upper
112 100
64 69.2 56.3 84.5
63 35.7 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: 140.849 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033168.D

Acq: 15 Mar 2018 6:23

Instrument :

BNA_F

ClientSampled :

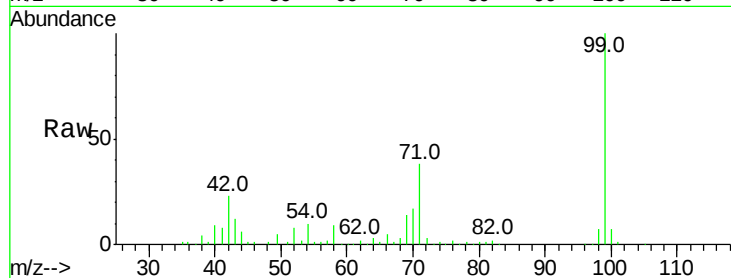
Tot Ion: 99 Resp: 456666

Ion Ratio Lower Upper

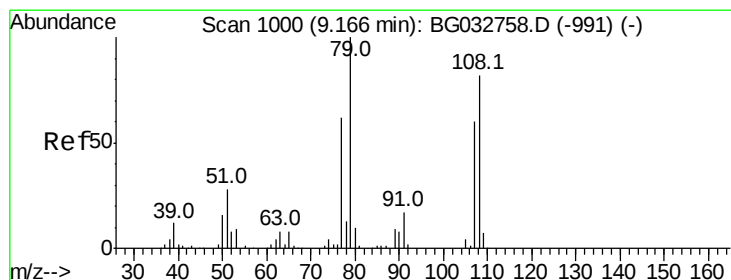
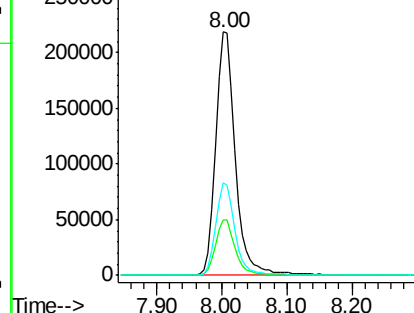
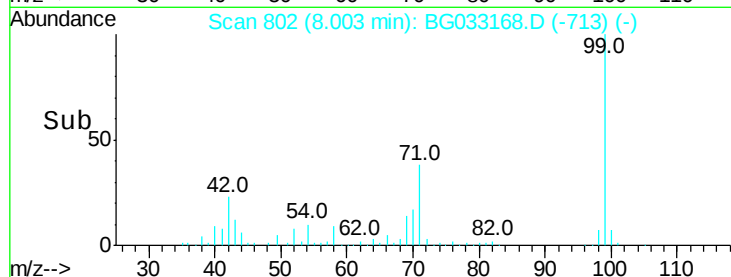
99 100

42 22.8 14.1 21.1#

71 38.2 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



#15

Benzyl Alcohol

Concen: 2.263 ng

RT: 9.24 min Scan# 1012

Delta R.T. 0.10 min

Lab File: BG033168.D

Acq: 15 Mar 2018 6:23

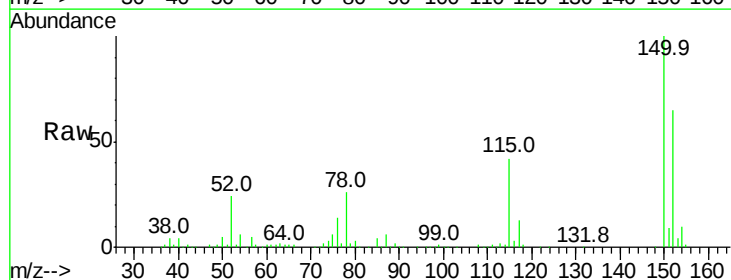
Tgt Ion: 79 Resp: 5393

Ion Ratio Lower Upper

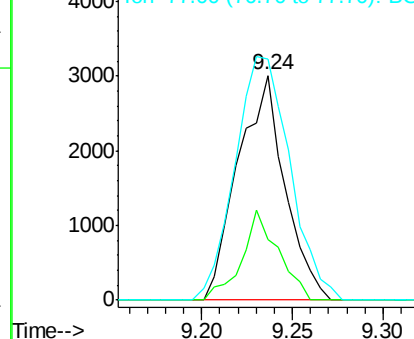
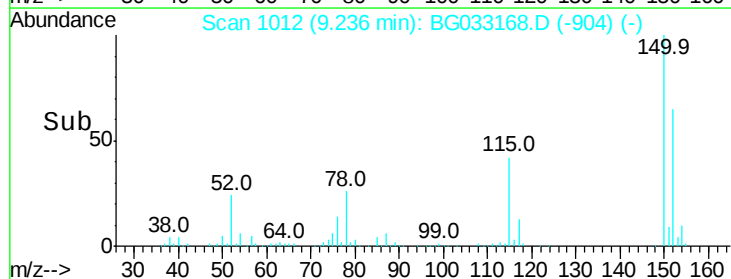
79 100

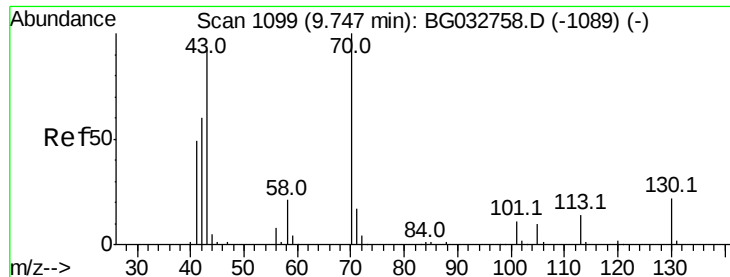
108 27.2 57.2 85.8#

77 107.2 46.1 69.1#



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

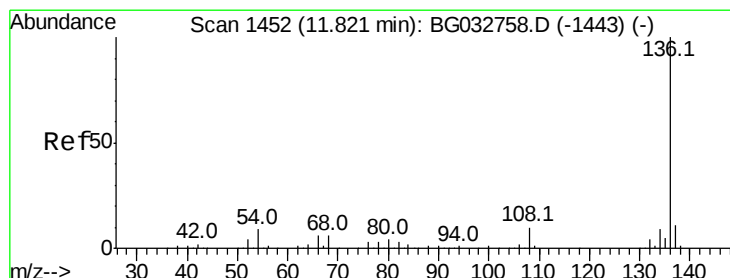
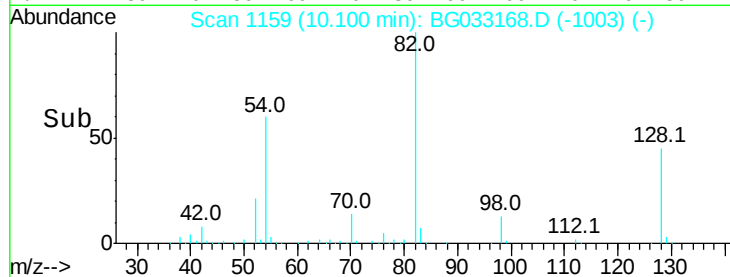
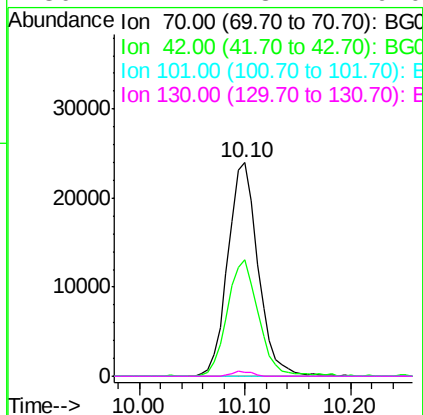
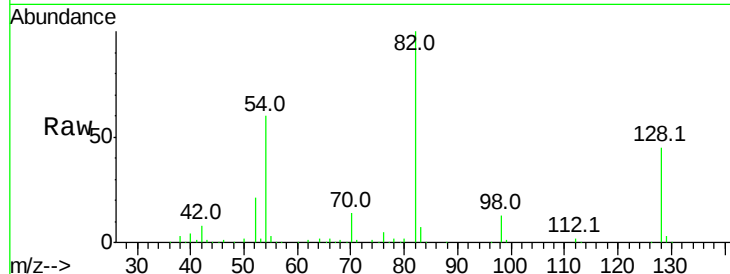




#19
n-Nitroso-di-n-propylamine
Concen: 20.691 ng
RT: 10.10 min Scan# 1159
Delta R.T. 0.39 min
Lab File: BG033168.D
Acq: 15 Mar 2018 6:23

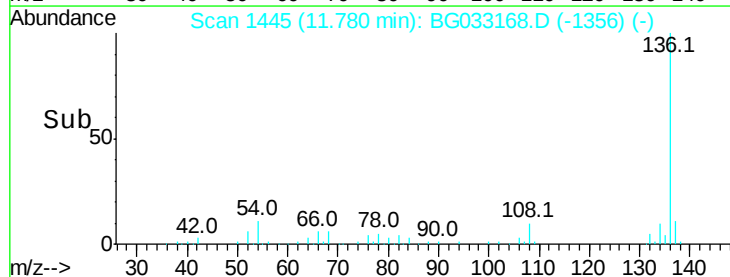
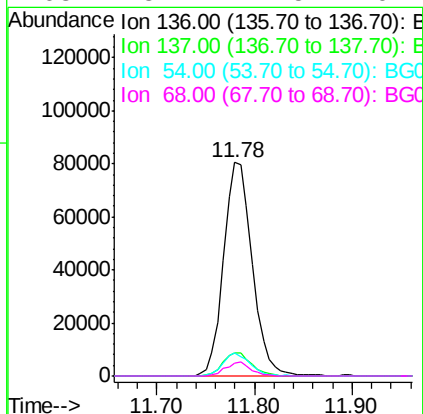
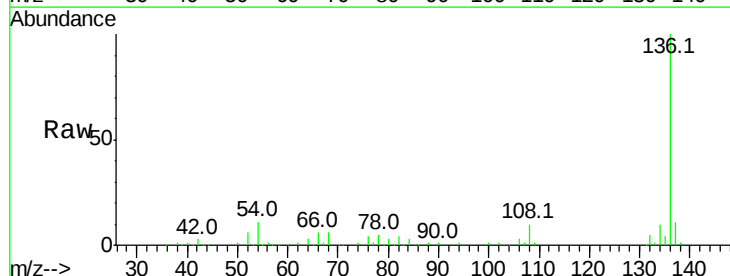
Instrument :
BNA_F
ClientSampleId :

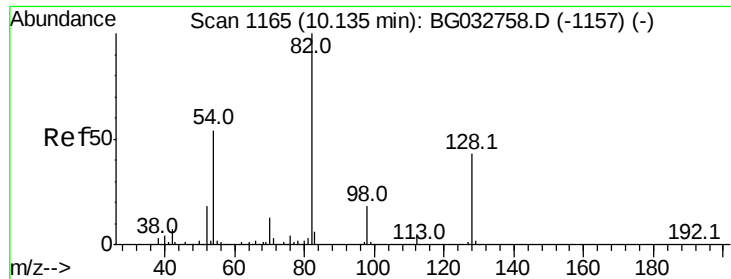
Tot Ion: 70 Resp: 47360
Ion Ratio Lower Upper
70 100
42 54.3 49.1 73.7
101 0.0 8.5 12.7#
130 1.7 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BG033168.D
Acq: 15 Mar 2018 6:23

Tgt Ion: 136 Resp: 163743
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 10.9 10.3 15.5
68 5.7 4.5 6.7





#23

Nitrobenzene-d5

Concen: 139.345 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BG033168.D

Acq: 15 Mar 2018 6:23

Instrument :

BNA_F

ClientSampled :

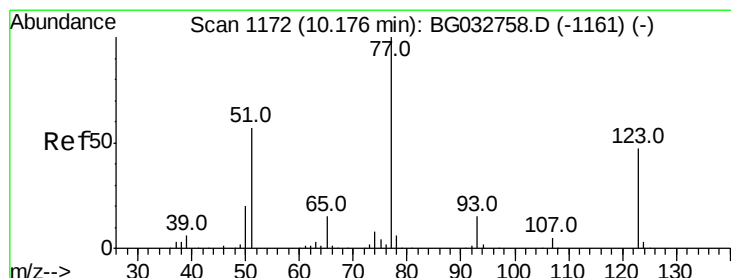
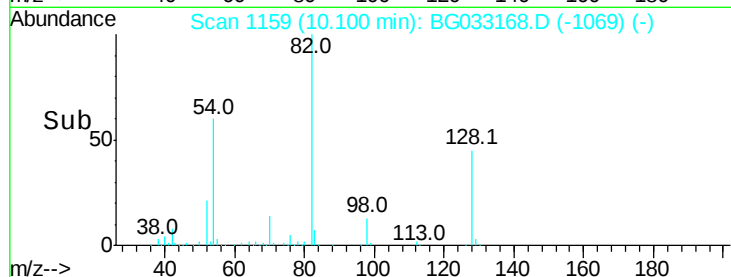
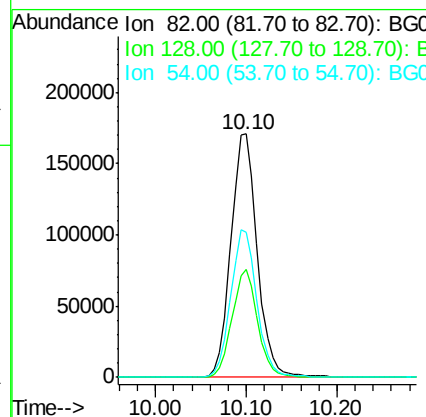
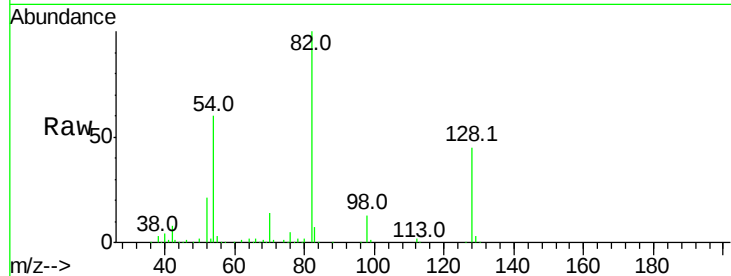
Tot Ion: 82 Resp: 345724

Ion Ratio Lower Upper

82 100

128 44.6 29.7 44.5#

54 59.8 43.1 64.7



#24

Nitrobenzene

Concen: 6.757 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.04 min

Lab File: BG033168.D

Acq: 15 Mar 2018 6:23

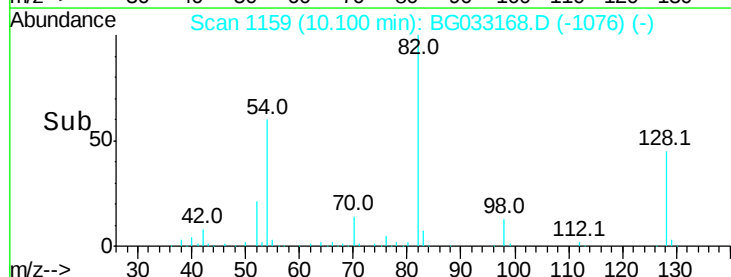
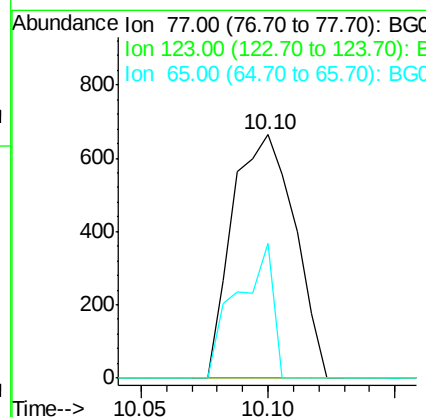
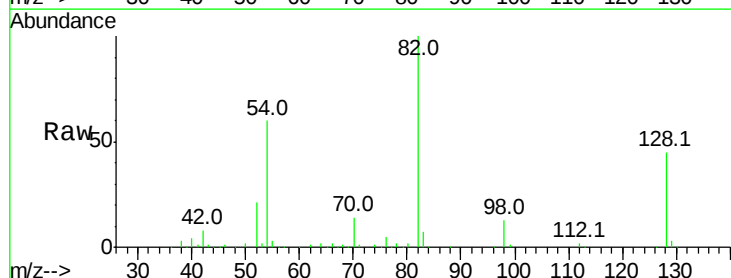
Tgt Ion: 77 Resp: 1135

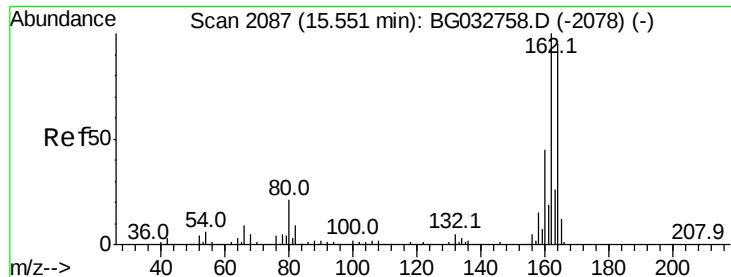
Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

65 55.4 13.0 19.6#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033168.D

Acq: 15 Mar 2018 6:23

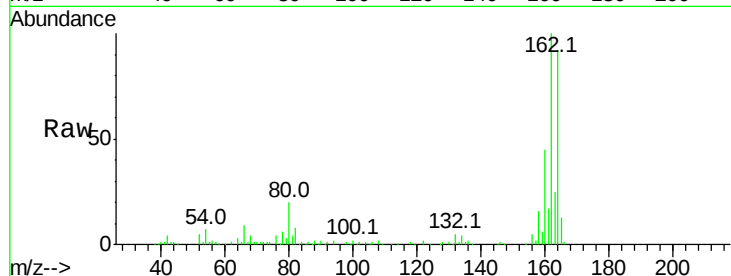
Instrument :

BNA_F

ClientSampleId :

Tot Ion:164 Resp: 97351

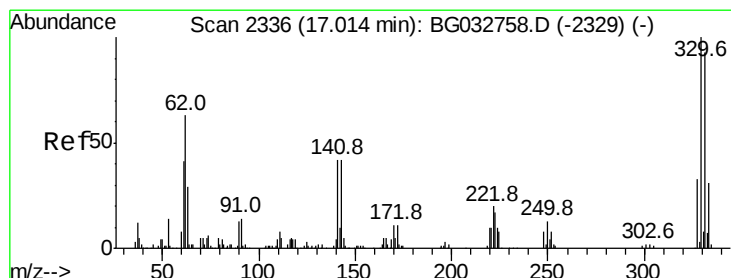
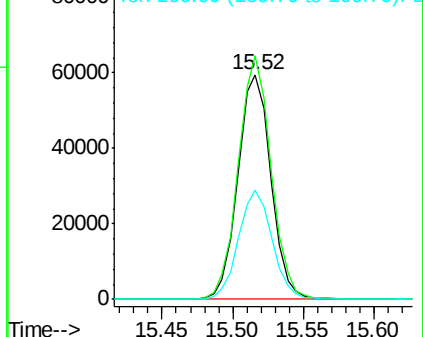
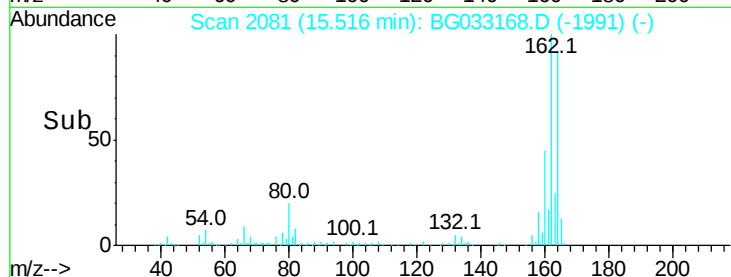
Ion	Ratio	Lower	Upper
164	100		
162	108.4	78.8	118.2
160	48.6	35.4	53.0



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: 267.711 ng

RT: 16.99 min Scan# 2332

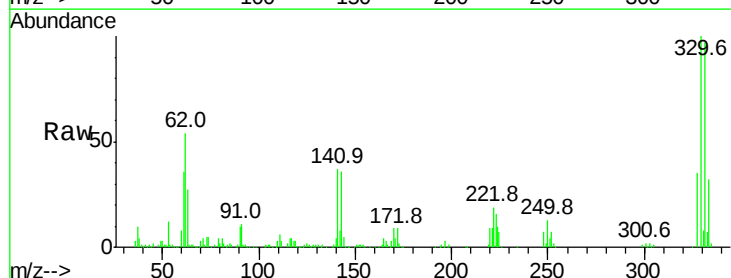
Delta R.T. -0.00 min

Lab File: BG033168.D

Acq: 15 Mar 2018 6:23

Tgt Ion:330 Resp: 274032

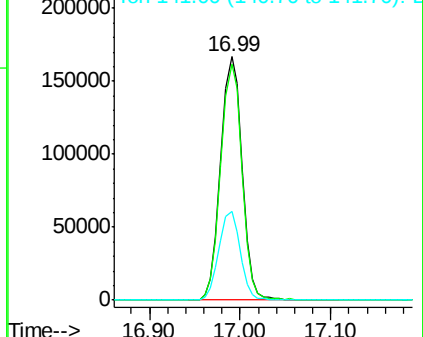
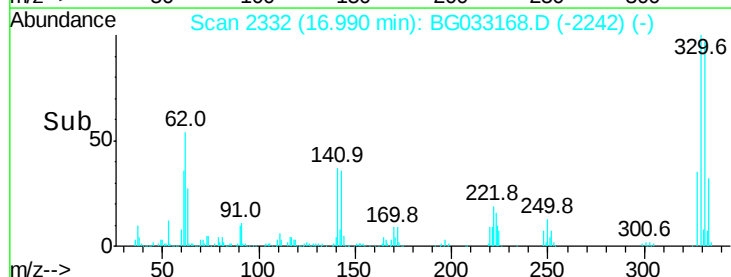
Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	36.5	25.2	37.8

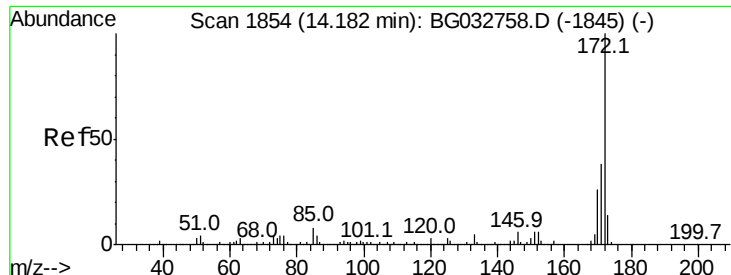


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

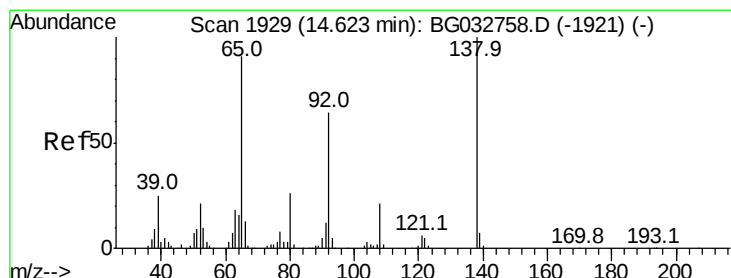
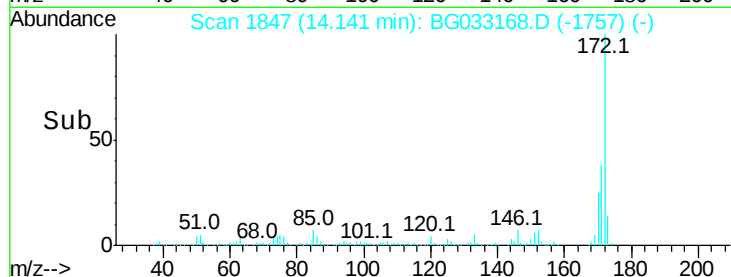
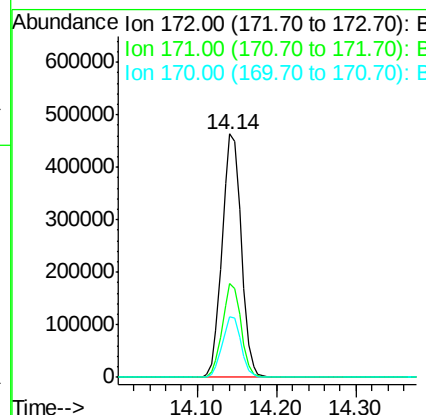
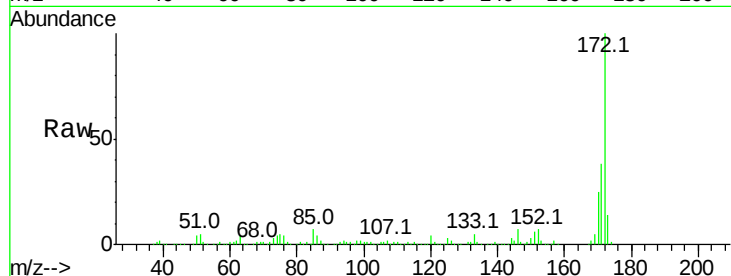




#44
2-Fluorobiphenyl
Concen: 114.662 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.00 min
Lab File: BG033168.D
Acq: 15 Mar 2018 6:23

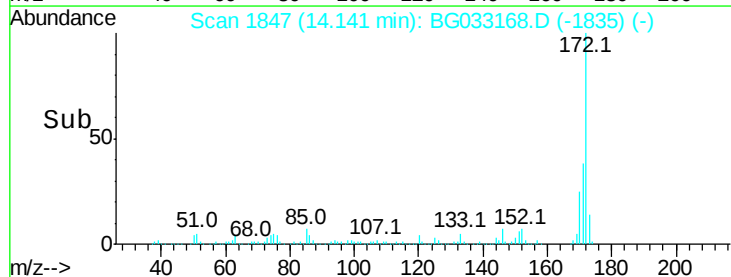
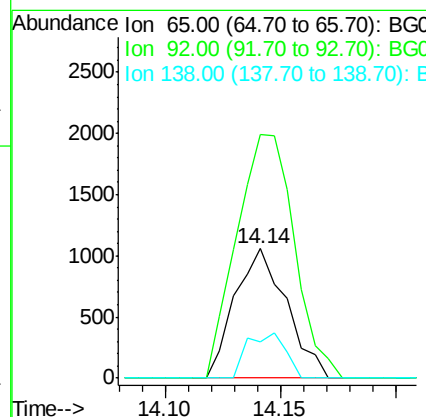
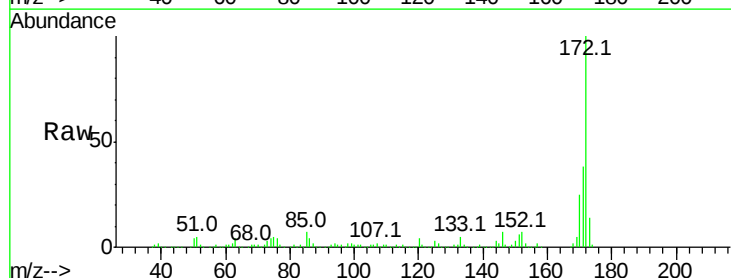
Instrument :
BNA_F
ClientSampleId :

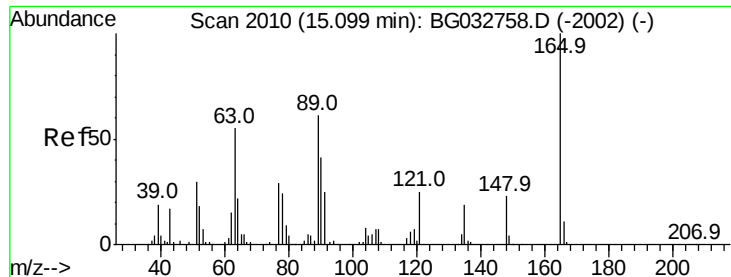
Tot Ion:172 Resp: 773963
Ion Ratio Lower Upper
172 100
171 38.4 30.0 45.0
170 24.8 19.5 29.3



#47
2-Nitroaniline
Concen: 10.652 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.46 min
Lab File: BG033168.D
Acq: 15 Mar 2018 6:23

Tgt Ion: 65 Resp: 1646
Ion Ratio Lower Upper
65 100
92 188.2 54.6 82.0#
138 28.1 72.9 109.3#





#50

2,6-Dinitrotoluene

Concen: 16.526 ng

RT: 15.52 min Scan# 2081

Delta R.T. 0.44 min

Lab File: BG033168.D

Acq: 15 Mar 2018 6:23

Instrument :

BNA_F

ClientSampleId :

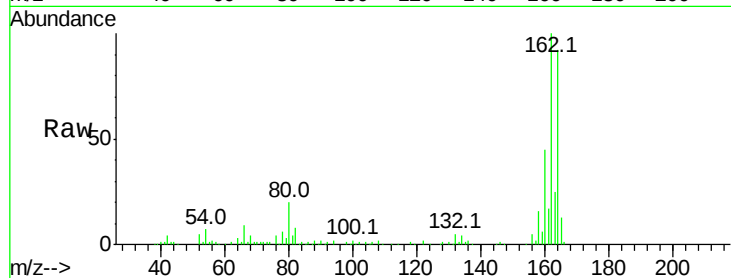
Tot Ion:165 Resp: 12811

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

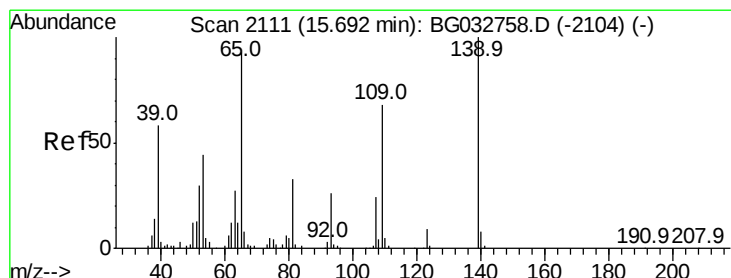
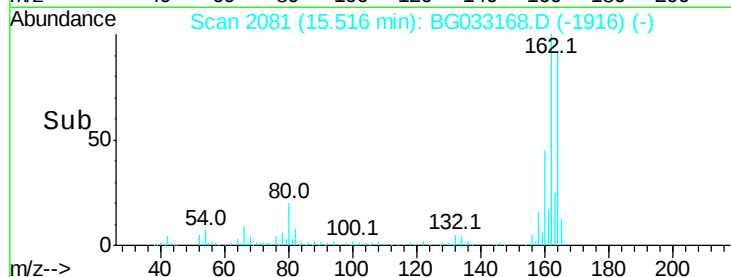
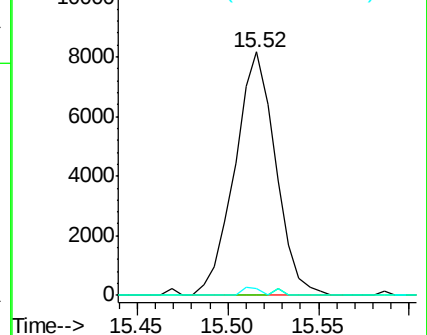
89 2.7 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#55

4-Nitrophenol

Concen: 7.121 ng

RT: 15.90 min Scan# 2147

Delta R.T. 0.21 min

Lab File: BG033168.D

Acq: 15 Mar 2018 6:23

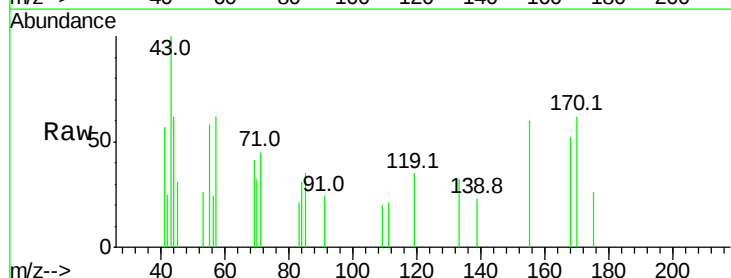
Tgt Ion:139 Resp: 60

Ion Ratio Lower Upper

139 100

109 87.7 62.2 102.2

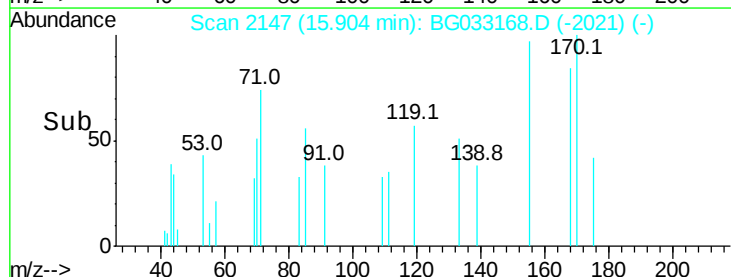
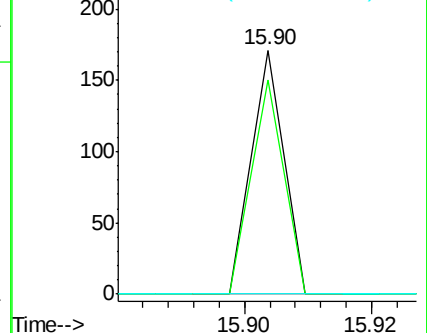
65 0.0 97.2 137.2#

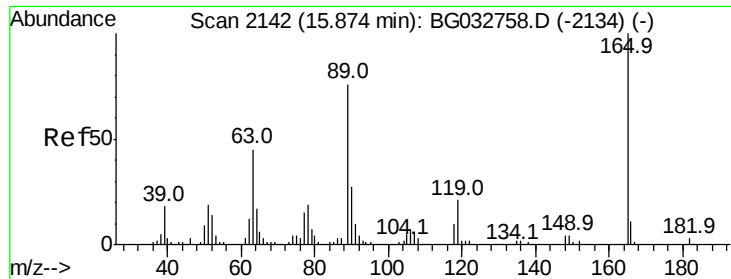


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

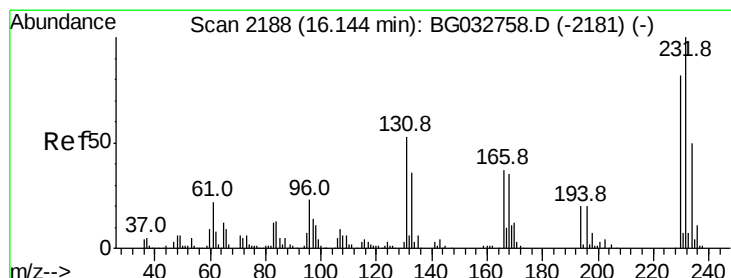
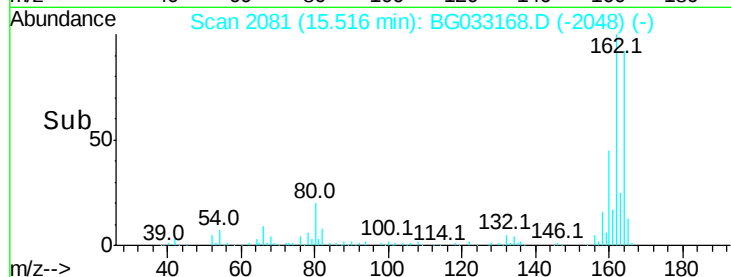
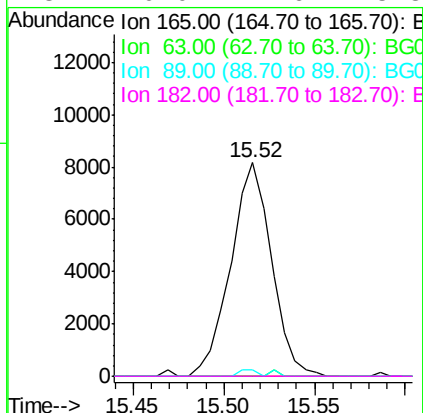
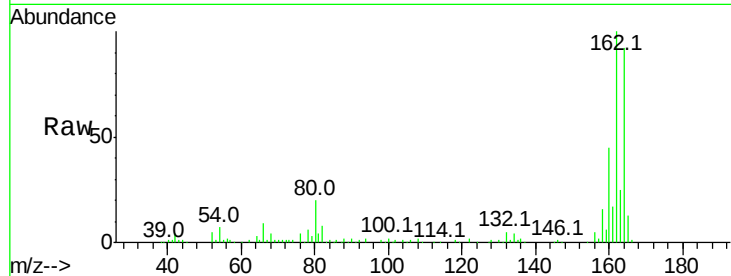




#56
 2,4-Dinitrotoluene
 Concen: 14.725 ng
 RT: 15.52 min Scan# 2081
 Delta R.T. -0.34 min
 Lab File: BG033168.D
 Acq: 15 Mar 2018 6:23

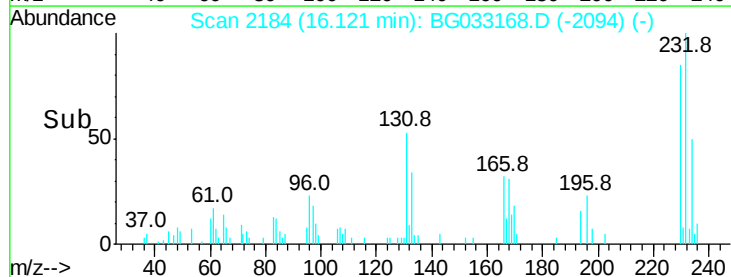
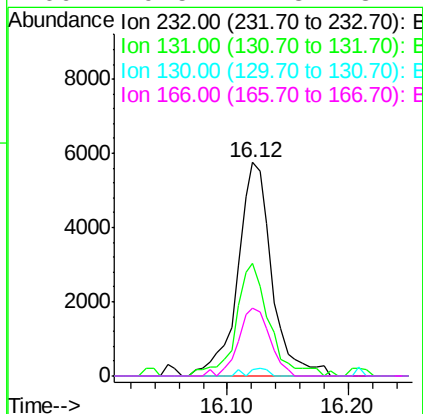
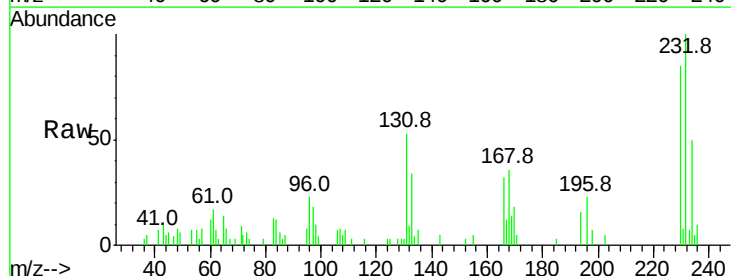
Instrument :
 BNA_F
 ClientSampleId :

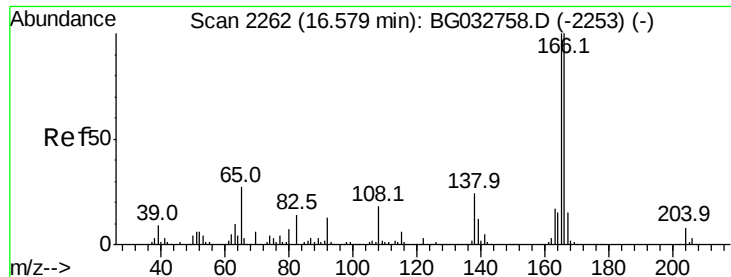
Tot Ion:	165	Resp:	12811
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.7	66.9	100.3#
182	0.0	2.6	3.8#



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 6.903 ng
 RT: 16.12 min Scan# 2184
 Delta R.T. -0.00 min
 Lab File: BG033168.D
 Acq: 15 Mar 2018 6:23

Tgt Ion:	232	Resp:	11304
Ion	Ratio	Lower	Upper
232	100		
131	51.9	33.5	50.3#
130	2.3	2.2	3.2
166	29.5	24.8	37.2

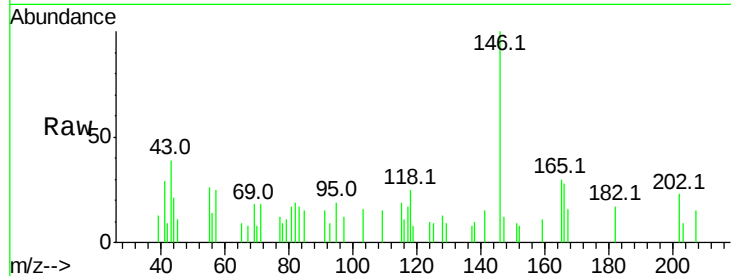




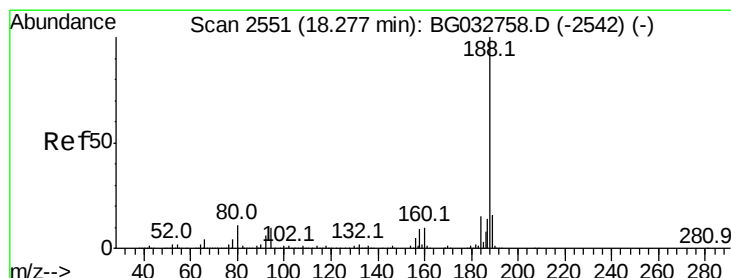
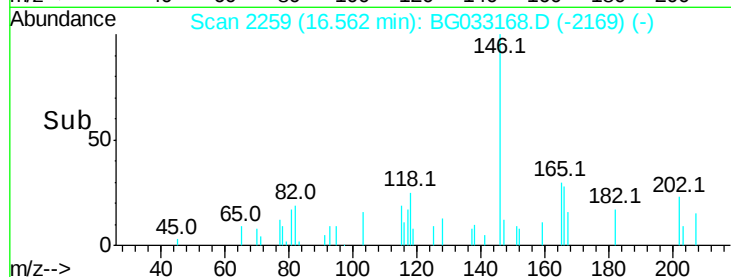
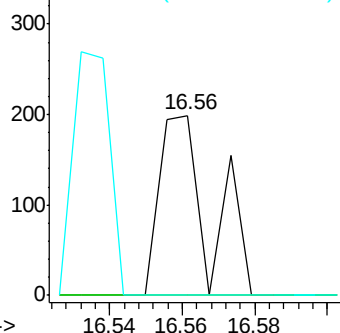
#61
4-Nitroaniline
Concen: 5.396 ng
RT: 16.56 min Scan# 2259
Delta R.T. -0.00 min
Lab File: BG033168.D
Acq: 15 Mar 2018 6:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 193
Ion Ratio Lower Upper
138 100
92 0.0 40.1 80.1#
108 0.0 65.4 105.4#

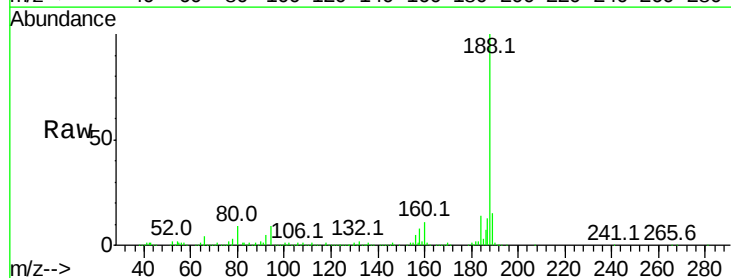


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

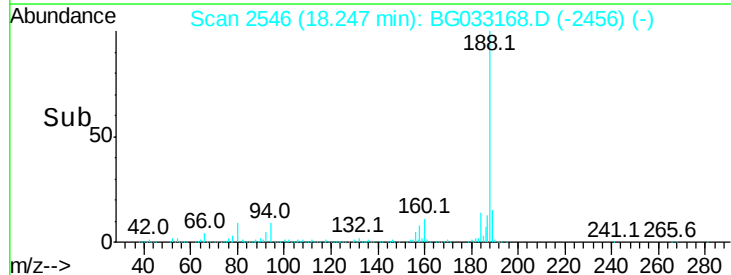
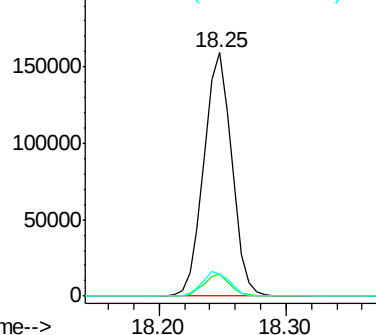


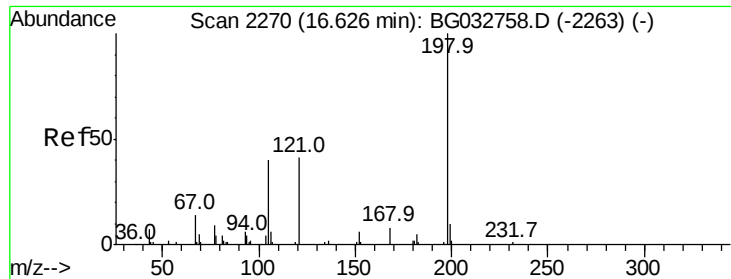
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2546
Delta R.T. -0.00 min
Lab File: BG033168.D
Acq: 15 Mar 2018 6:23

Tgt Ion:188 Resp: 242188
Ion Ratio Lower Upper
188 100
94 8.9 6.9 10.3
80 9.4 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: 6.350 ng

RT: 16.99 min Scan# 2332

Delta R.T. 0.38 min

Lab File: BG033168.D

Acq: 15 Mar 2018 6:23

Instrument :

BNA_F

ClientSampled :

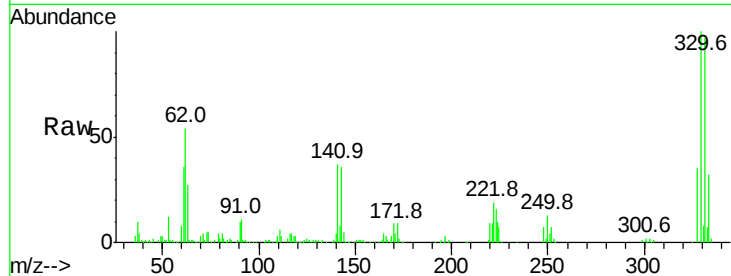
Tot Ion:198 Resp: 802

Ion Ratio Lower Upper

198 100

51 127.2 30.6 70.6#

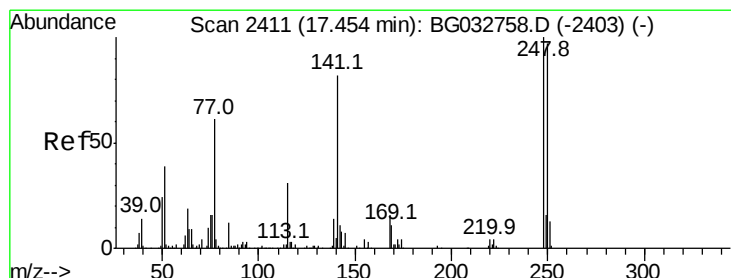
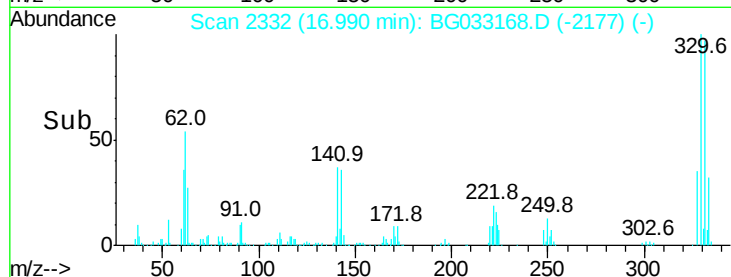
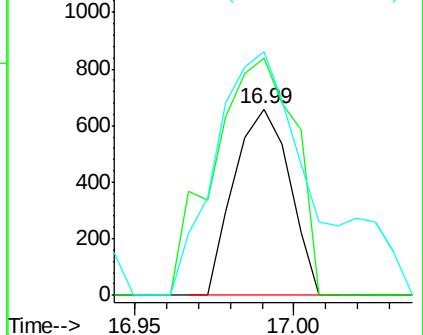
105 130.9 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 6.905 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.43 min

Lab File: BG033168.D

Acq: 15 Mar 2018 6:23

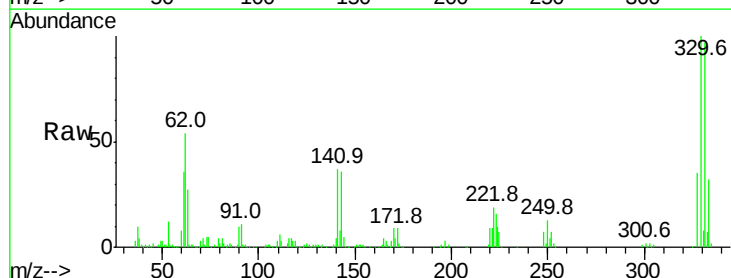
Tgt Ion:248 Resp: 17683

Ion Ratio Lower Upper

248 100

250 183.7 77.1 115.7#

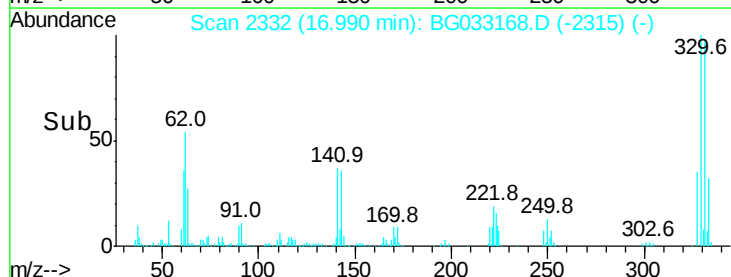
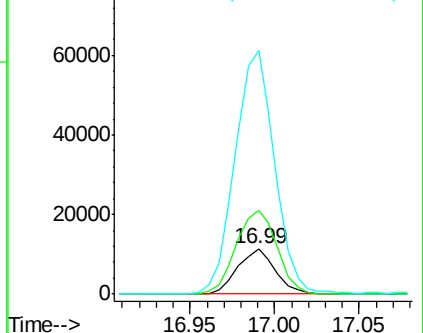
141 532.3 50.8 76.2#

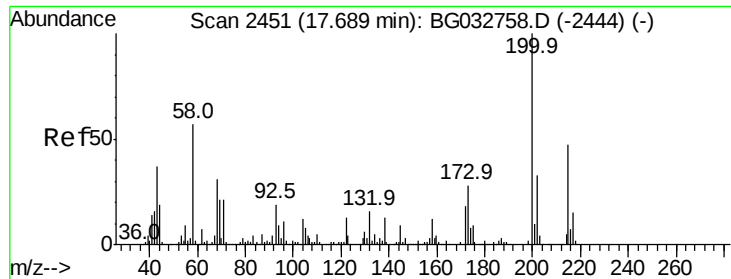


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

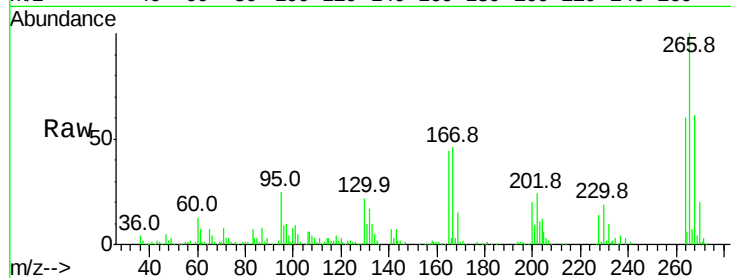




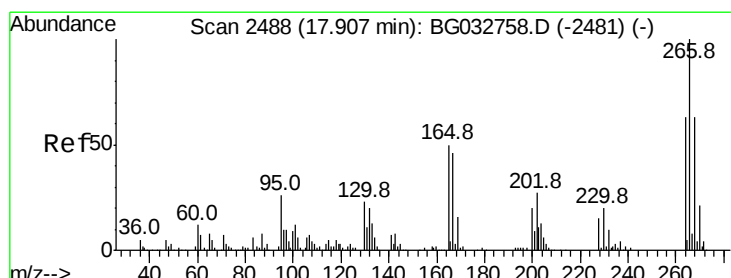
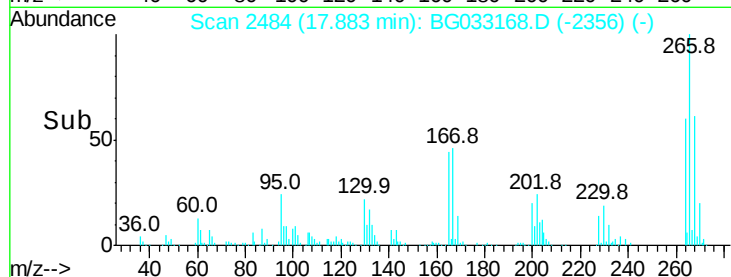
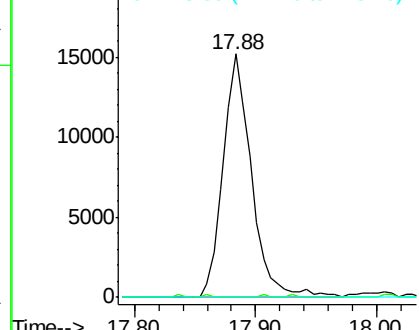
#68
Atrazine
Concen: 9.508 ng
RT: 17.88 min Scan# 2484
Delta R.T. 0.22 min
Lab File: BG033168.D
Acq: 15 Mar 2018 6:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
200	100		
173	0.0	5.2	45.2#
215	0.0	30.4	70.4#

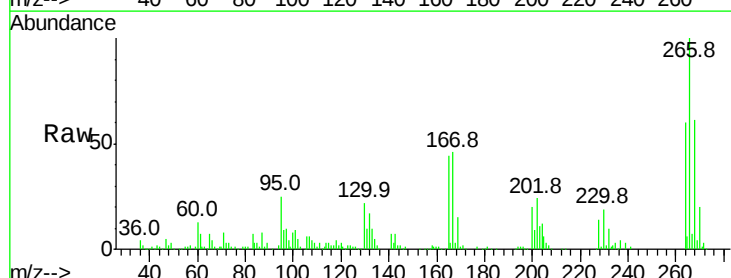


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

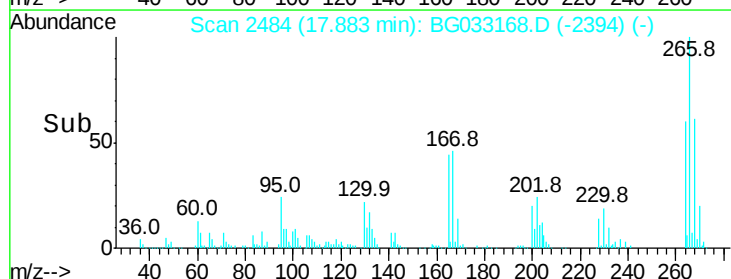
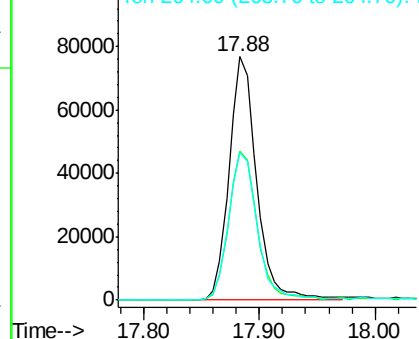


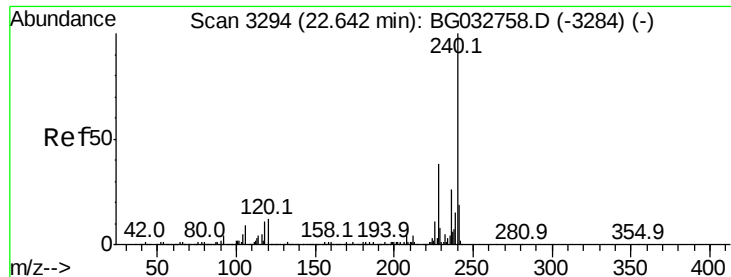
#69
Pentachlorophenol
Concen: 72.903 ng
RT: 17.88 min Scan# 2484
Delta R.T. -0.00 min
Lab File: BG033168.D
Acq: 15 Mar 2018 6:23

Tgt Ion	Ratio	Lower	Upper
266	100		
268	61.0	51.1	76.7
264	60.4	49.6	74.4



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3287

Delta R.T. -0.01 min

Lab File: BG033168.D

Acq: 15 Mar 2018 6:23

Instrument :

BNA_F

ClientSampleId :

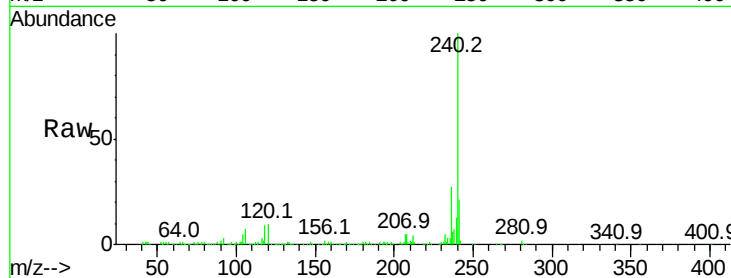
Tot Ion:240 Resp: 232836

Ion	Ratio	Lower	Upper
240	100		
120	9.9	6.8	10.2
236	26.7	20.9	31.3

240 100

120 9.9 6.8 10.2

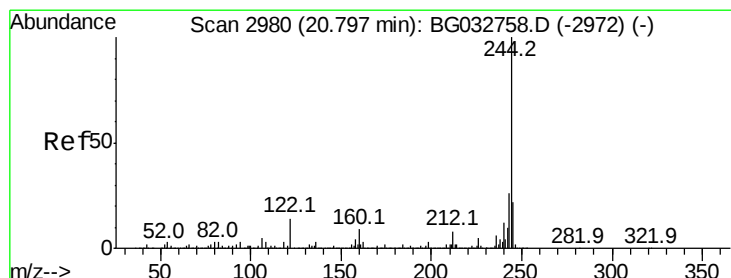
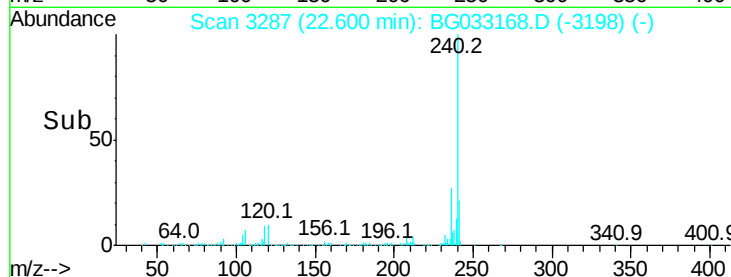
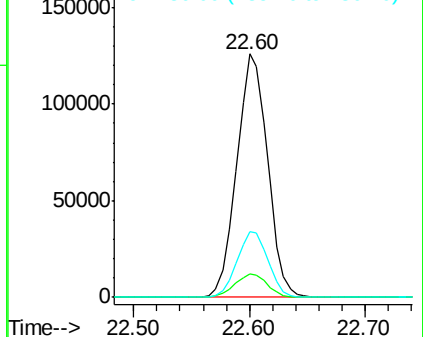
236 26.7 20.9 31.3



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: 131.712 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033168.D

Acq: 15 Mar 2018 6:23

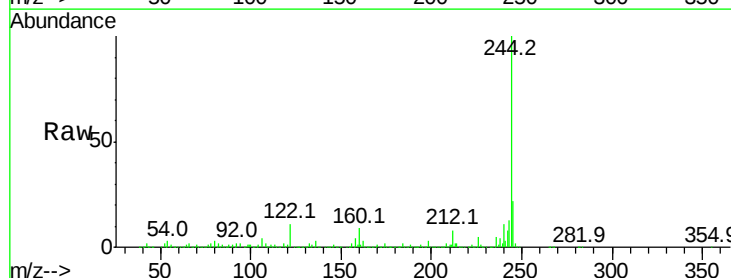
Tgt Ion:244 Resp: 1364974

Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.8	8.8
122	10.8	7.0	10.4

244 100

212 8.3 5.8 8.8

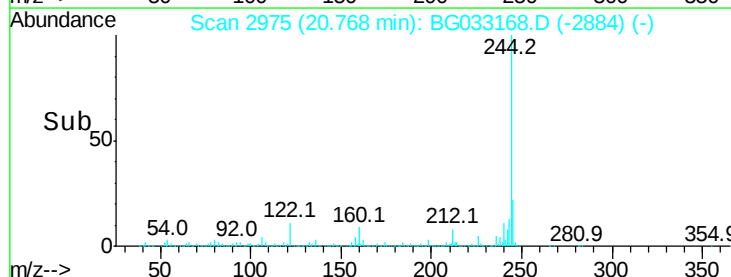
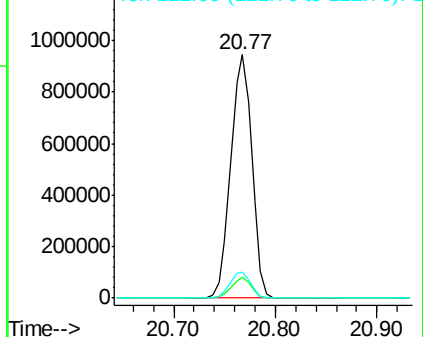
122 10.8 7.0 10.4#

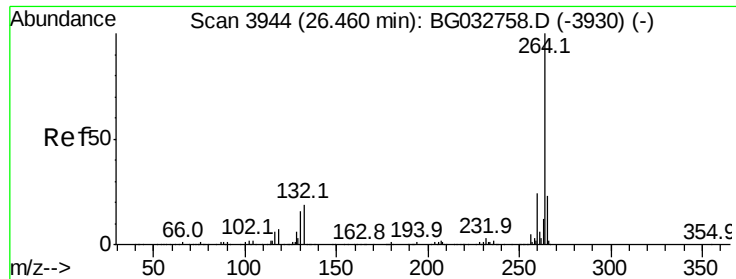


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.41 min Scan# 3936
Delta R.T. 0.00 min
Lab File: BG033168.D
Acq: 15 Mar 2018 6:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.4	26.0
265	20.4	17.7	26.5

