

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033215.D
 Acq On : 17 Mar 2018 3:07
 Operator : SJ/JU
 Sample : J1926-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 4527-28

Quant Time: Mar 17 05:23:42 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	8.91	152	35791	20.00	ng	0.01
21) Naphthalene-d8	11.80	136	140327	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	100387	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	294646	20.00	ng	0.00
75) Chrysene-d12	22.61	240	310207	20.00	ng	0.00
86) Perylene-d12	26.41	264	328305	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	6.33	112	327673	146.47	ng	0.01
7) Phenol-d6	8.02	99	421643	135.22	ng	0.00
23) Nitrobenzene-d5	10.11	82	336194	156.78	ng	0.01
41) 2,4,6-Tribromophenol	17.00	330	268636	254.50	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	761826	109.45	ng	0.00
78) Terphenyl-d14	20.77	244	1587254	114.96	ng	0.00

Target Compounds

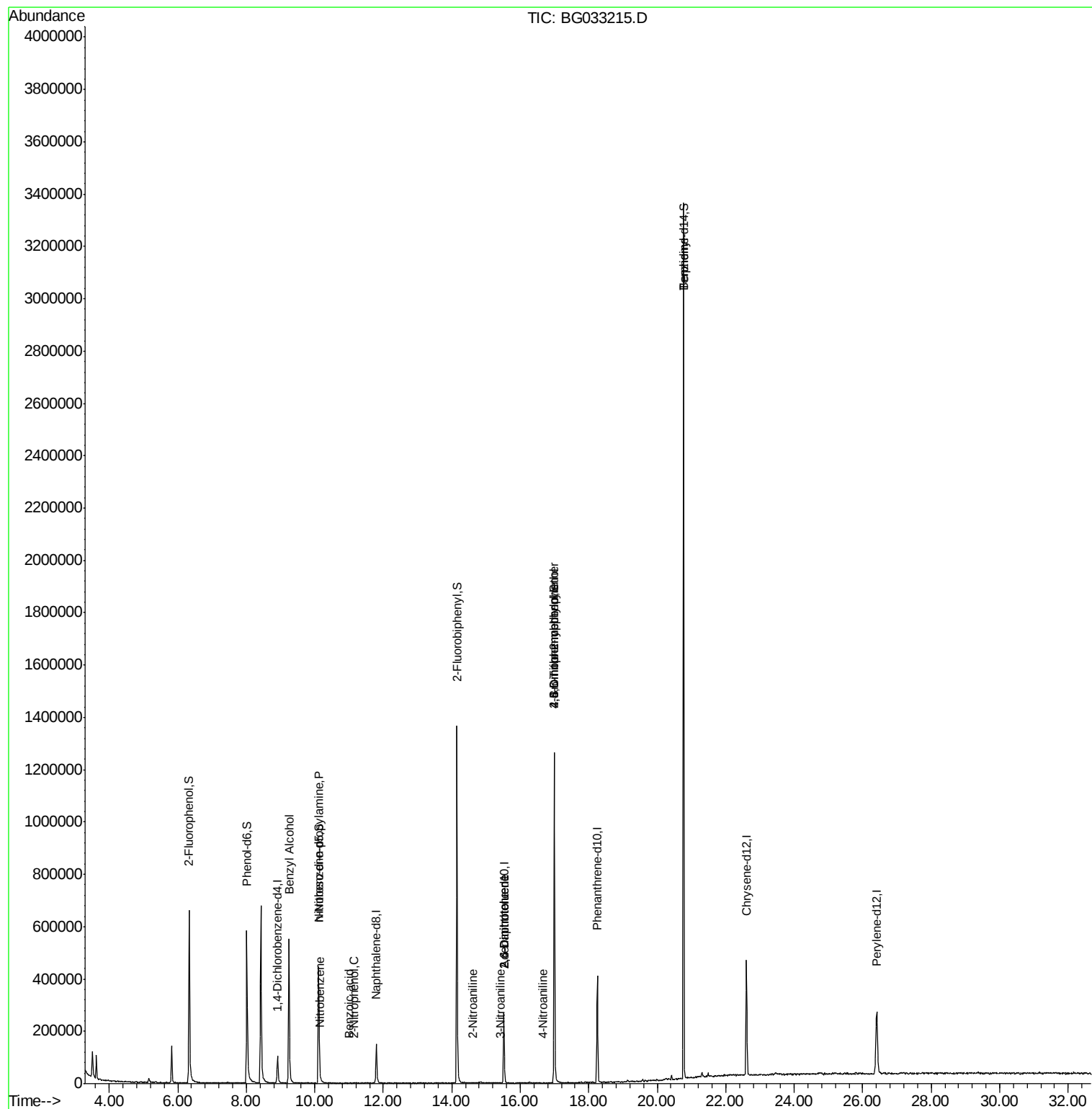
						Qvalue
15) Benzyl Alcohol	9.25	79	6264	2.732	ng	# 57
19) n-Nitroso-di-n-propylamine	10.11	70	45322	20.588	ng	# 75
24) Nitrobenzene	10.16	77	86	6.414	ng	# 42
26) 2-Nitrophenol	11.15	139	89	5.560	ng	# 29
32) Benzoic acid	11.02	122	82	5.890	ng	# 28
47) 2-Nitroaniline	14.63	65	55	9.862	ng	# 9
50) 2,6-Dinitrotoluene	15.52	165	13167	16.501	ng	# 21
52) 3-Nitroaniline	15.43	138	53	7.569	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	13167	14.699	ng	# 19
61) 4-Nitroaniline	16.65	138	67	5.332	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.99	198	761	6.044	ng	# 2
66) 4-Bromophenyl-phenylether	17.00	248	21249	6.820	ng	# 1
76) Benzidine	20.77	184	25917	2.451	ng	# 93

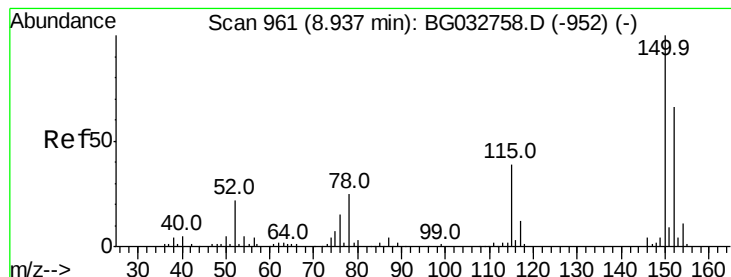
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.91 min Scan# 957

Delta R.T. 0.01 min

Lab File: BG033215.D

Acq: 17 Mar 2018 3:07

Instrument :

BNA_G

ClientSampleId :

4527-28

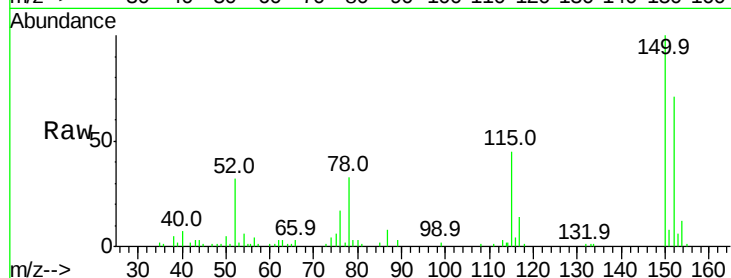
Tot Ion:152 Resp: 35791

Ion Ratio Lower Upper

152 100

150 141.2 126.6 189.8

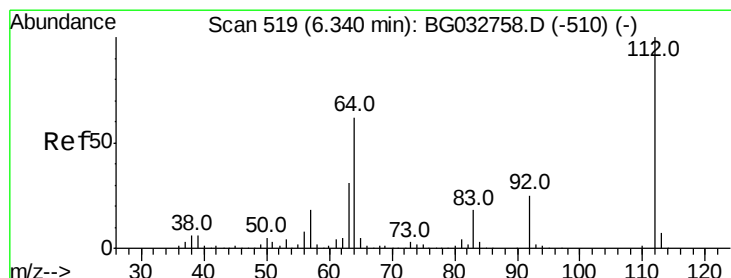
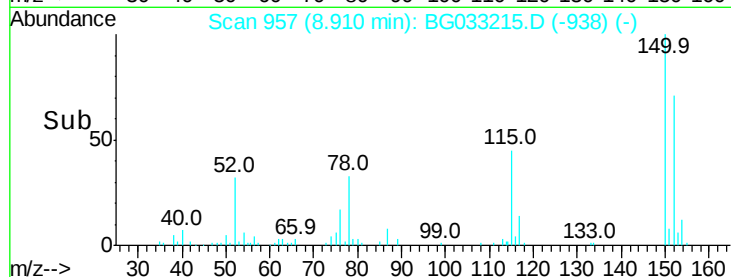
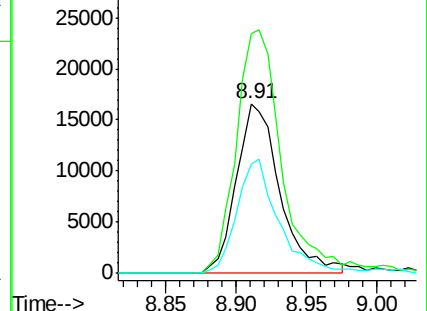
115 64.0 53.0 79.4



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: 146.470 ng

RT: 6.33 min Scan# 518

Delta R.T. 0.01 min

Lab File: BG033215.D

Acq: 17 Mar 2018 3:07

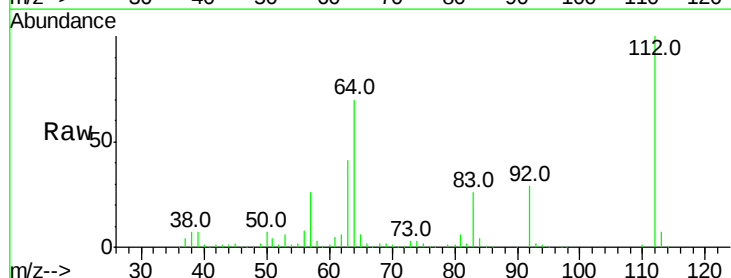
Tgt Ion:112 Resp: 327673

Ion Ratio Lower Upper

112 100

64 70.2 56.3 84.5

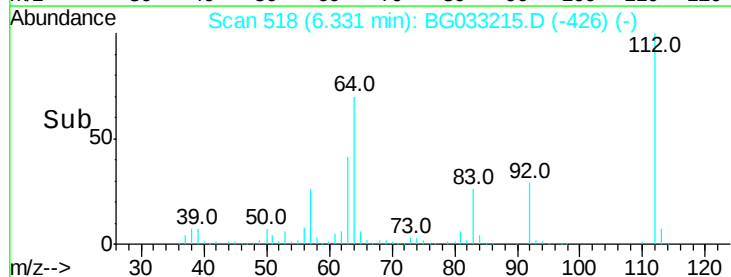
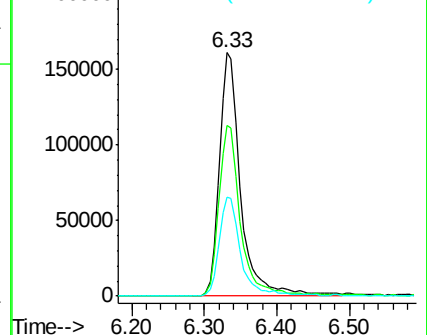
63 40.9 30.1 45.1



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: 135.217 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.01 min

Lab File: BG033215.D

Acq: 17 Mar 2018 3:07

Instrument :

BNA_G

ClientSampleId :

4527-28

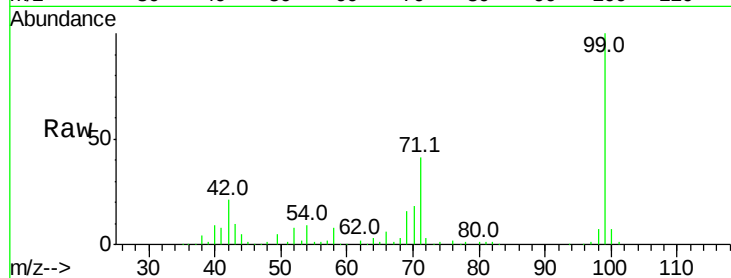
Tot Ion: 99 Resp: 421643

Ion Ratio Lower Upper

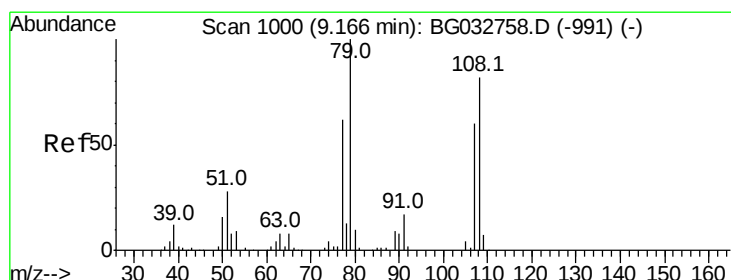
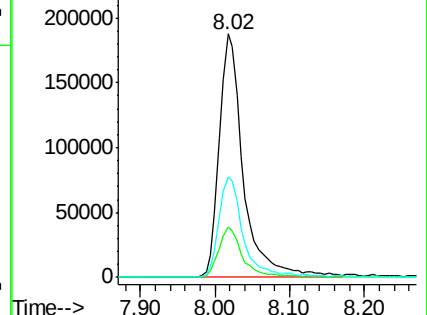
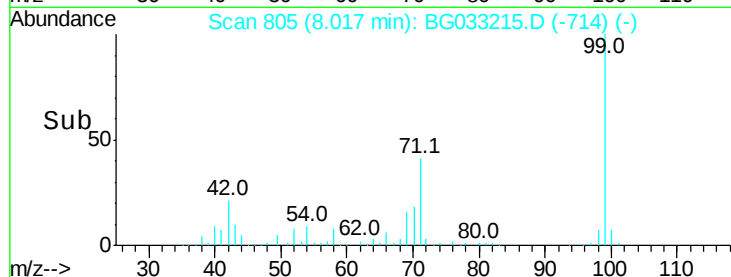
99 100

42 20.8 14.1 21.1

71 41.3 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



#15

Benzyl Alcohol

Concen: 2.732 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.11 min

Lab File: BG033215.D

Acq: 17 Mar 2018 3:07

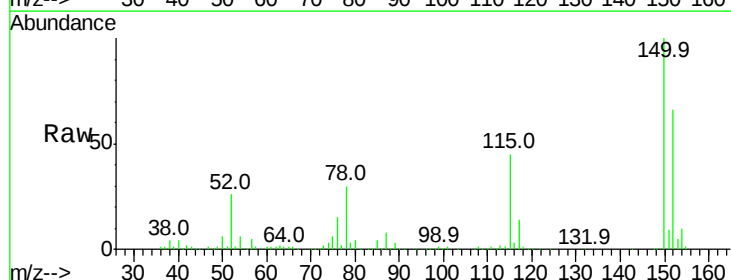
Tgt Ion: 79 Resp: 6264

Ion Ratio Lower Upper

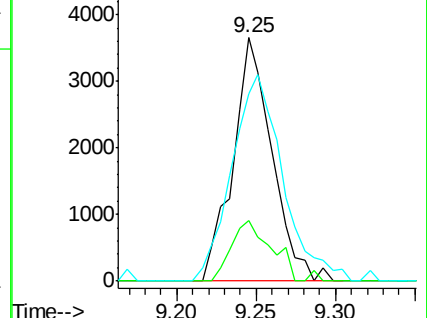
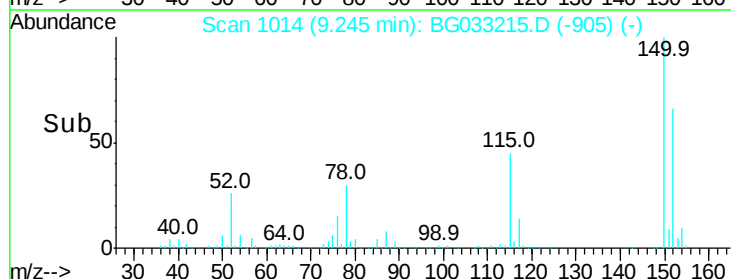
79 100

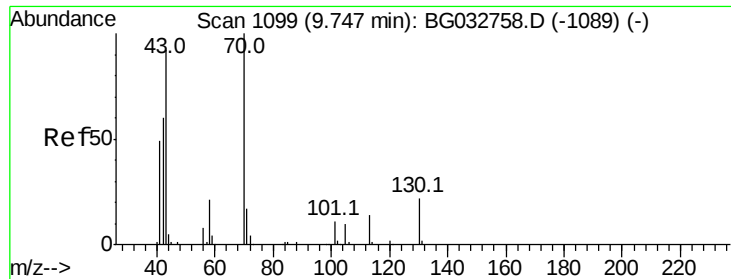
108 24.7 57.2 85.8#

77 77.0 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

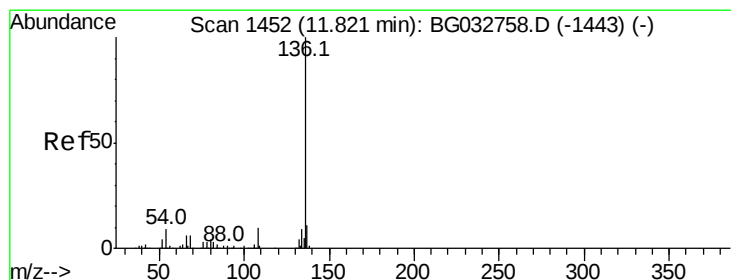
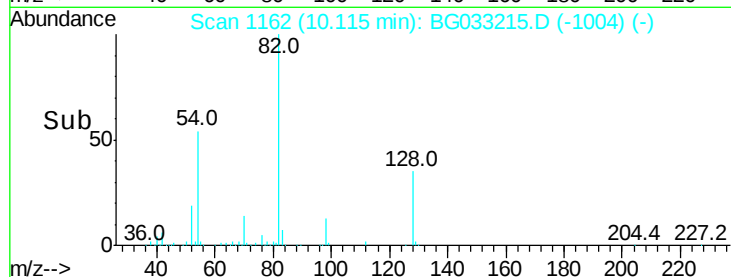
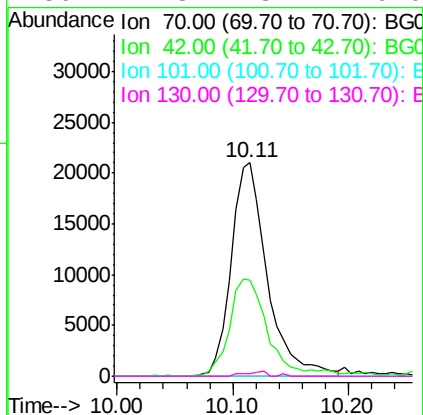
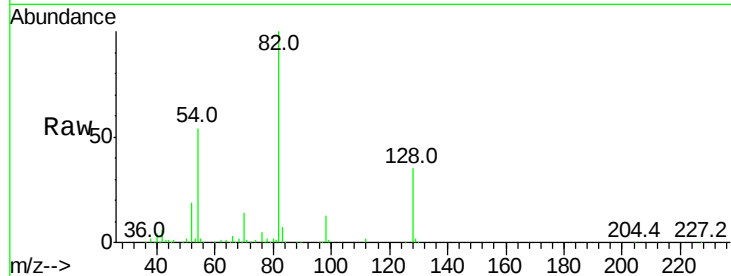




#19
n-Nitroso-di-n-propylamine
Concen: 20.588 ng
RT: 10.11 min Scan# 1162
Delta R.T. 0.40 min
Lab File: BG033215.D
Acq: 17 Mar 2018 3:07

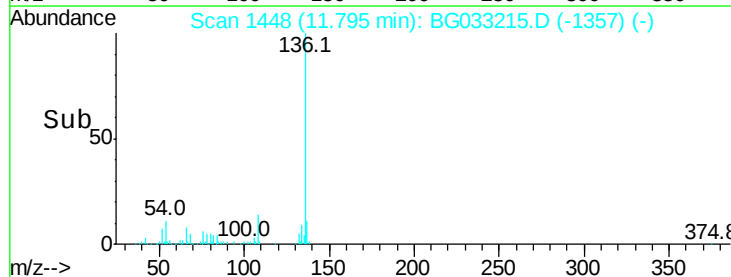
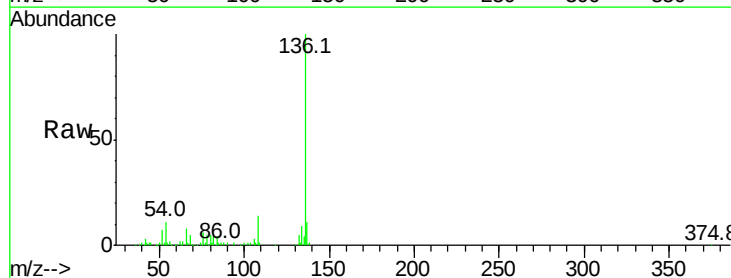
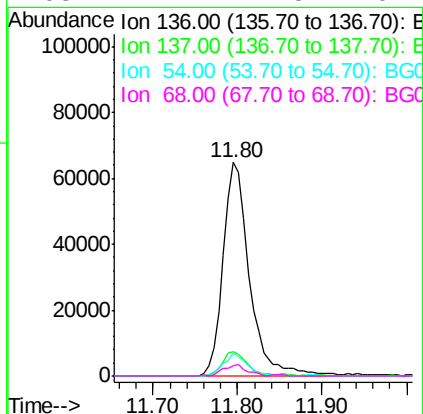
Instrument :
BNA_G
ClientSampleId :
4527-28

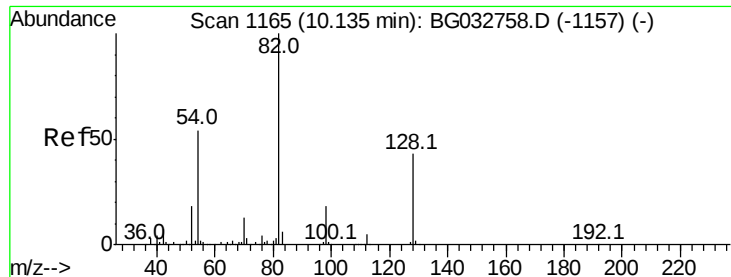
Tot Ion: 70 Resp: 45322
Ion Ratio Lower Upper
70 100
42 45.0 49.1 73.7#
101 0.0 8.5 12.7#
130 1.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. 0.01 min
Lab File: BG033215.D
Acq: 17 Mar 2018 3:07

Tgt Ion: 136 Resp: 140327
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 10.9 10.3 15.5
68 4.7 4.5 6.7





#23

Nitrobenzene-d5

Concen: 156.780 ng

RT: 10.11 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BG033215.D

Acq: 17 Mar 2018 3:07

Instrument :

BNA_G

ClientSampleId :

4527-28

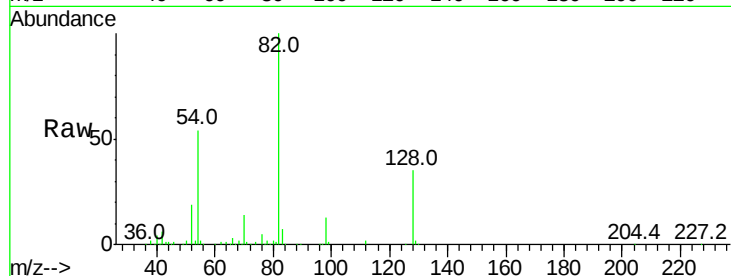
Tot Ion: 82 Resp: 336194

Ion Ratio Lower Upper

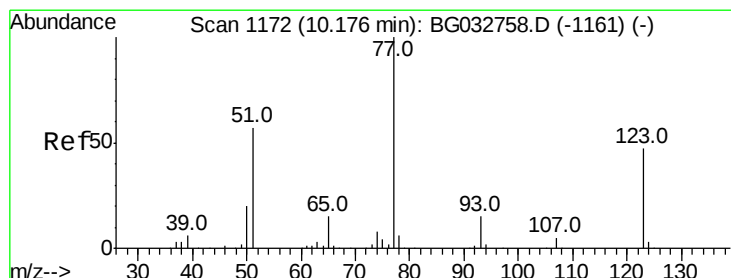
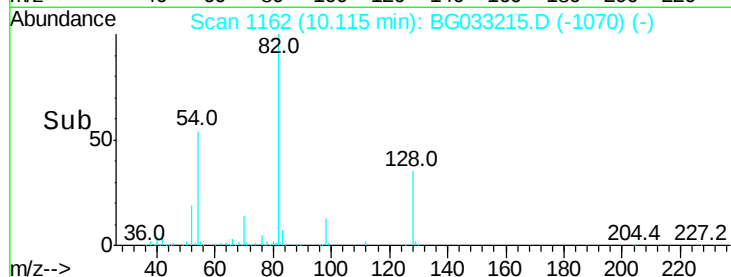
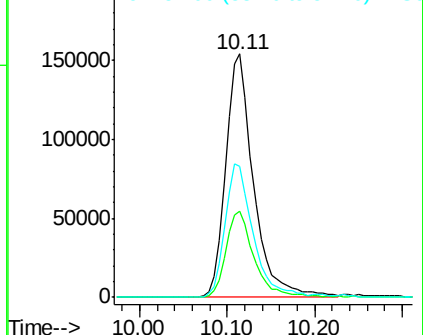
82 100

128 35.4 29.7 44.5

54 53.9 43.1 64.7



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: 6.414 ng

RT: 10.16 min Scan# 1169

Delta R.T. 0.01 min

Lab File: BG033215.D

Acq: 17 Mar 2018 3:07

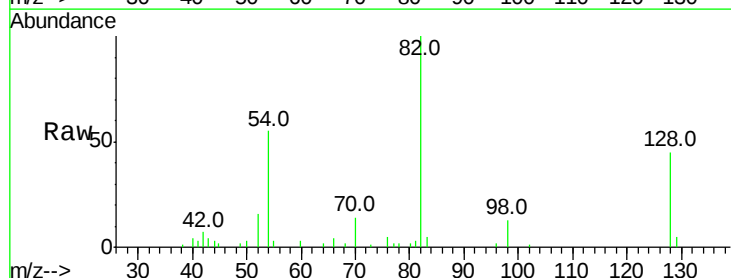
Tgt Ion: 77 Resp: 86

Ion Ratio Lower Upper

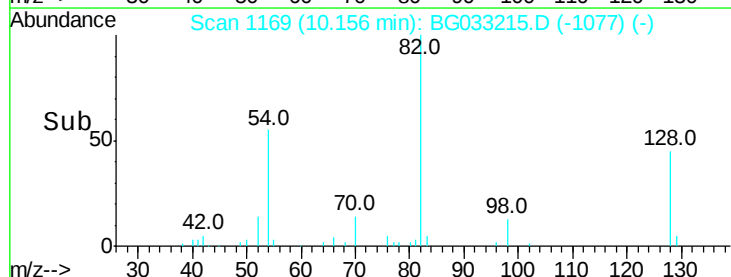
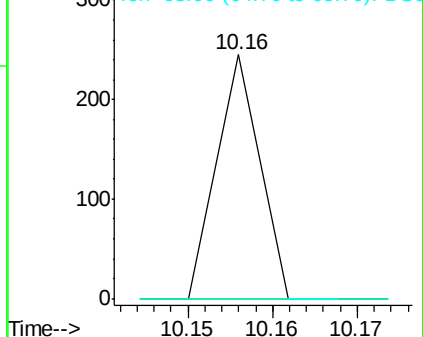
77 100

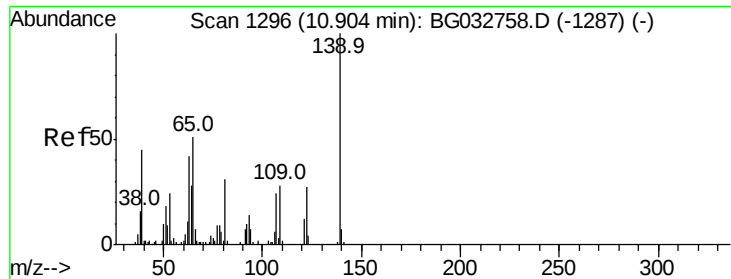
123 0.0 33.0 49.6#

65 0.0 13.0 19.6#



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





#26

2-Nitrophenol

Concen: 5.560 ng

RT: 11.15 min Scan# 1339

Delta R.T. 0.28 min

Lab File: BG033215.D

Acq: 17 Mar 2018 3:07

Instrument :

BNA_G

ClientSampleId :

4527-28

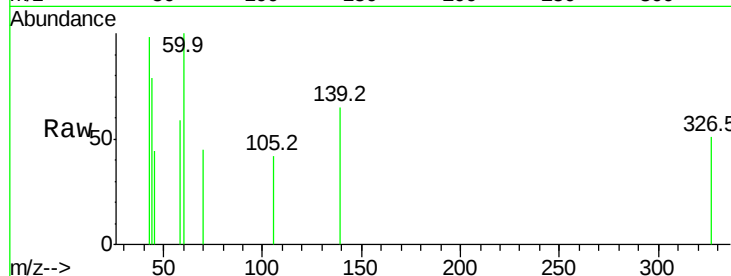
Tot Ion:139 Resp: 89

Ion Ratio Lower Upper

139 100

109 0.0 24.2 36.2#

65 0.0 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): BGC

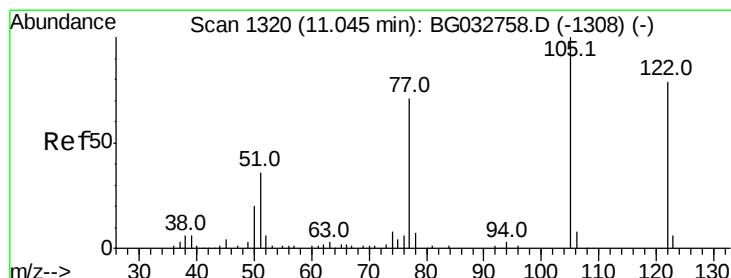
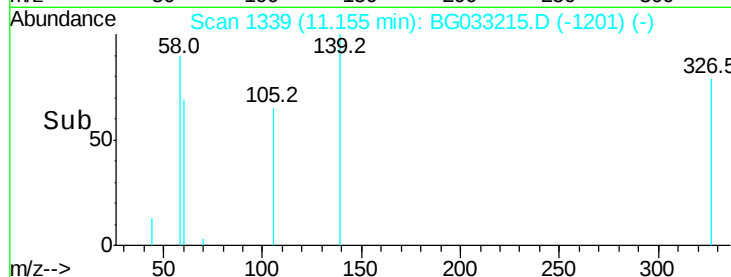
11.15

200

100

0

Time-->



#32

Benzoic acid

Concen: 5.890 ng

RT: 11.02 min Scan# 1316

Delta R.T. 0.05 min

Lab File: BG033215.D

Acq: 17 Mar 2018 3:07

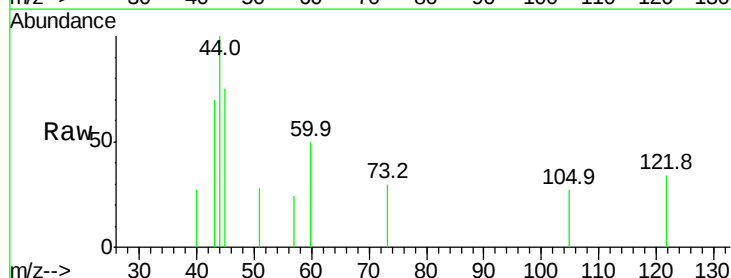
Tgt Ion:122 Resp: 82

Ion Ratio Lower Upper

122 100

105 81.5 123.5 163.5#

77 0.0 85.7 125.7#



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): BGC

11.02

250

200

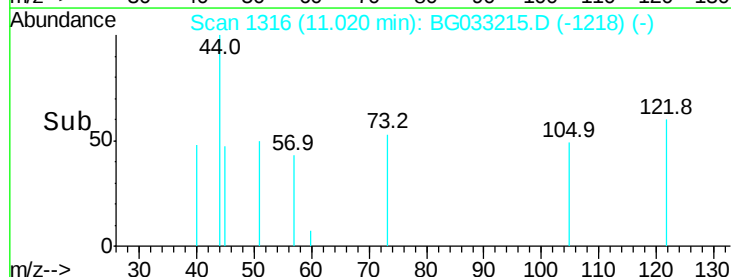
150

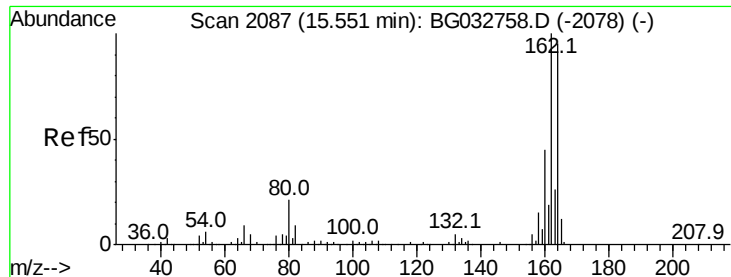
100

50

0

Time-->





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BG033215.D

Acq: 17 Mar 2018 3:07

Instrument :

BNA_G

ClientSampleId :

4527-28

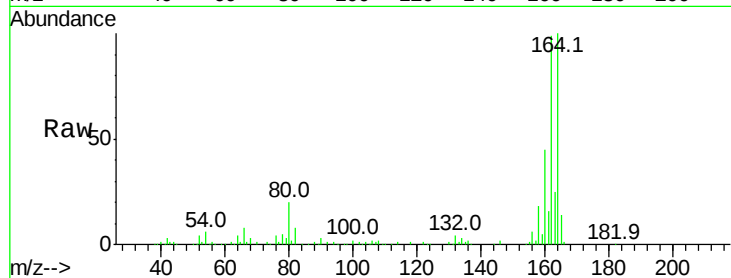
Tot Ion:164 Resp: 100387

Ion Ratio Lower Upper

164 100

162 99.2 78.8 118.2

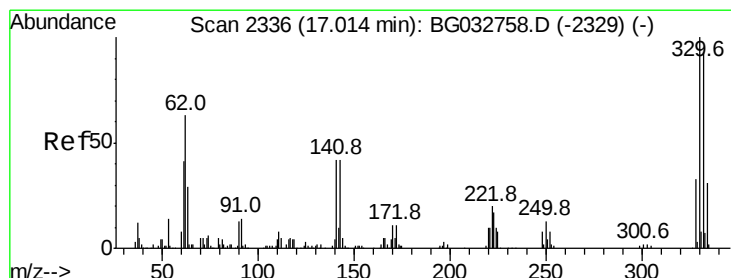
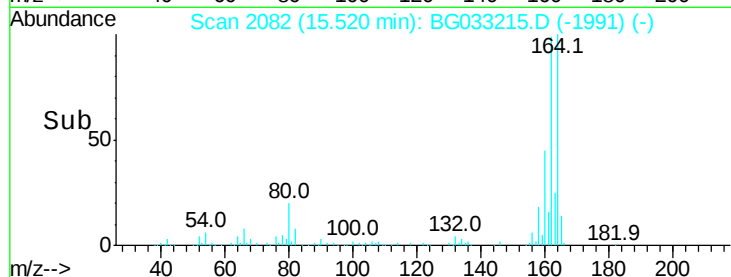
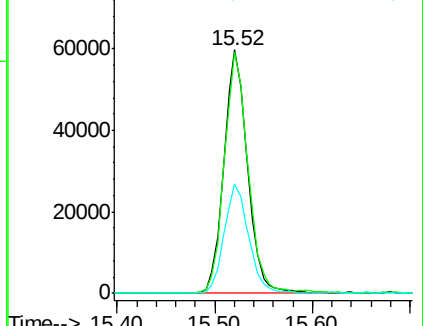
160 44.6 35.4 53.0



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: 254.502 ng

RT: 17.00 min Scan# 2333

Delta R.T. 0.00 min

Lab File: BG033215.D

Acq: 17 Mar 2018 3:07

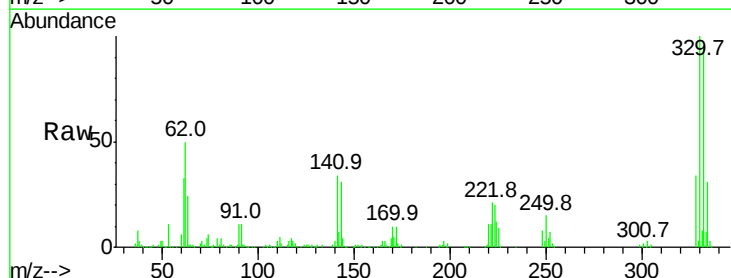
Tgt Ion:330 Resp: 268636

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

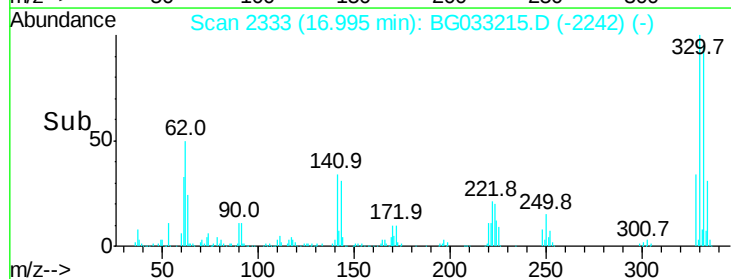
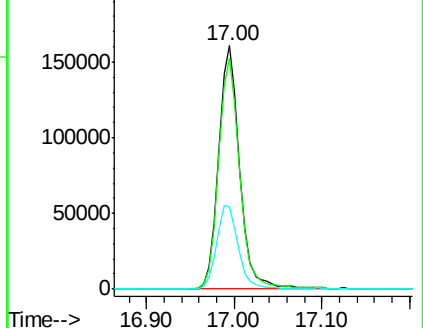
141 35.5 25.2 37.8

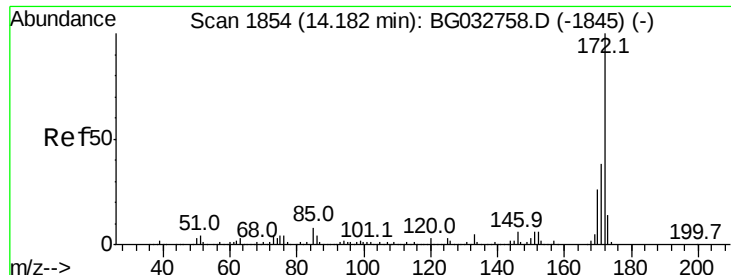


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

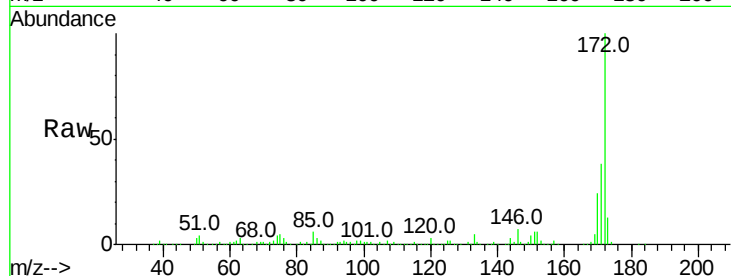




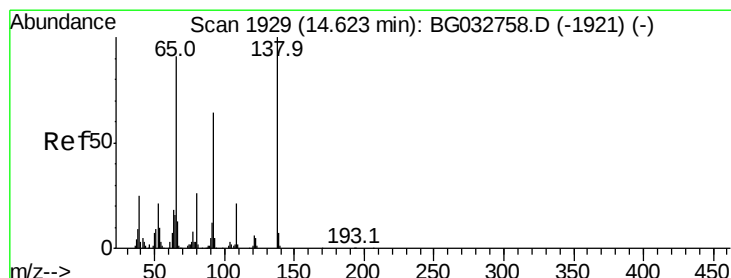
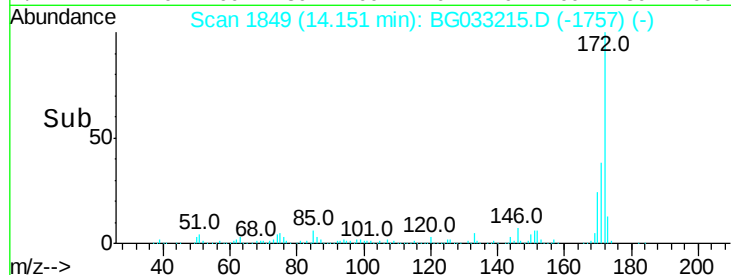
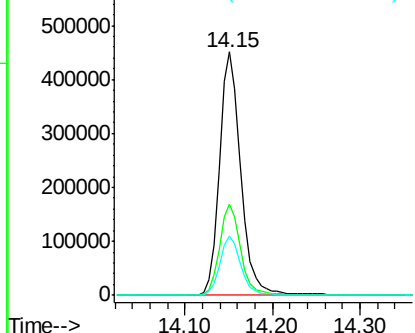
#44
 2-Fluorobiphenyl
 Concen: 109.451 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. 0.01 min
 Lab File: BG033215.D
 Acq: 17 Mar 2018 3:07

Instrument :
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 ClientSampleId :
 4527-28

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.0	45.0
170	24.4	19.5	29.3

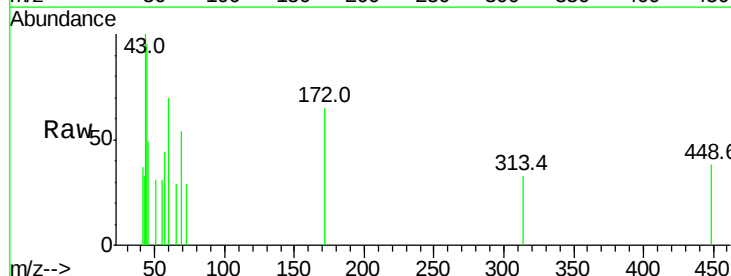


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

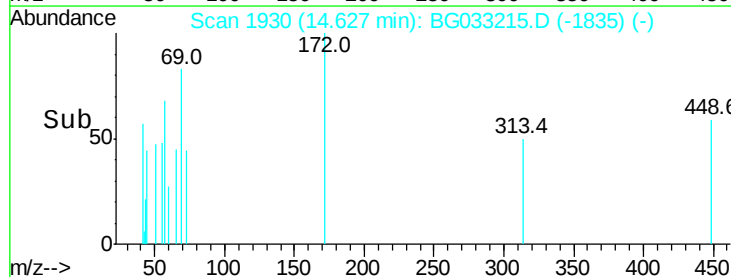
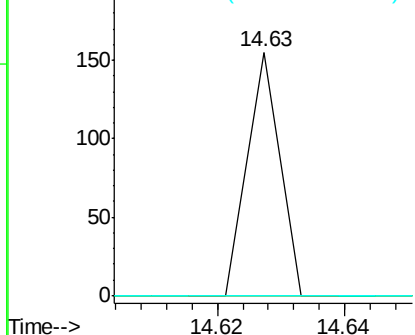


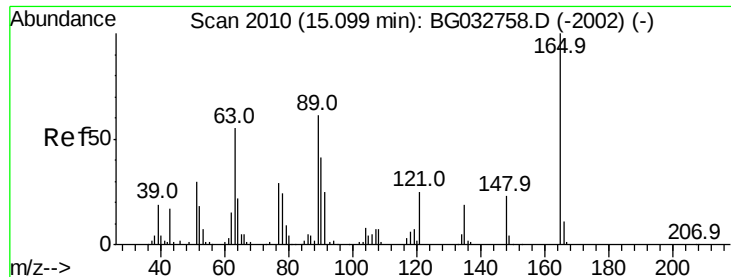
#47
 2-Nitroaniline
 Concen: 9.862 ng
 RT: 14.63 min Scan# 1930
 Delta R.T. 0.03 min
 Lab File: BG033215.D
 Acq: 17 Mar 2018 3:07

Tgt Ion	Ratio	Lower	Upper
65	100		
92	0.0	54.6	82.0#
138	0.0	72.9	109.3#



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

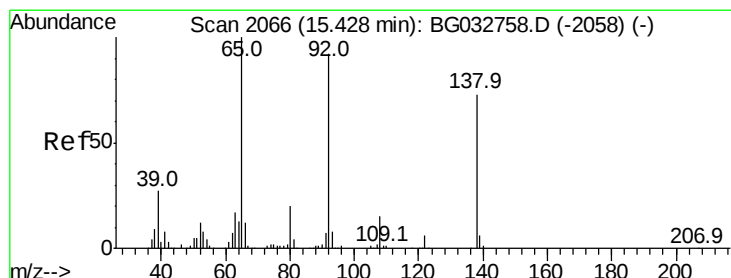
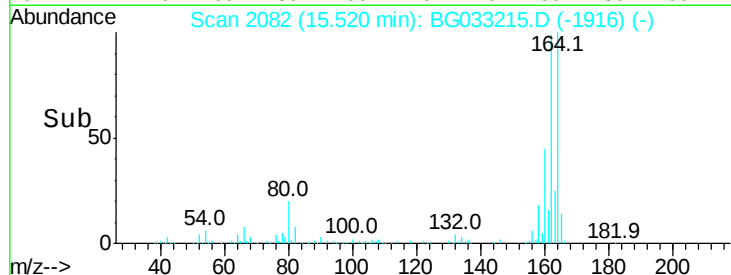
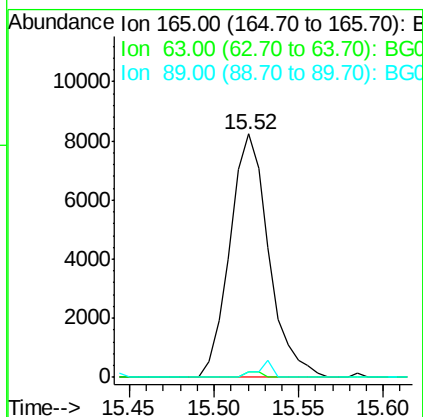
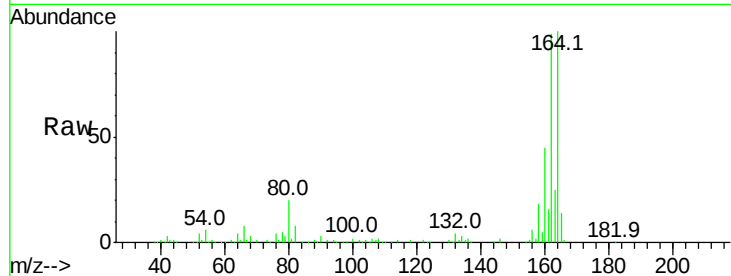




#50
 2,6-Dinitrotoluene
 Concen: 16.501 ng
 RT: 15.52 min Scan# 2082
 Delta R.T. 0.44 min
 Lab File: BG033215.D
 Acq: 17 Mar 2018 3:07

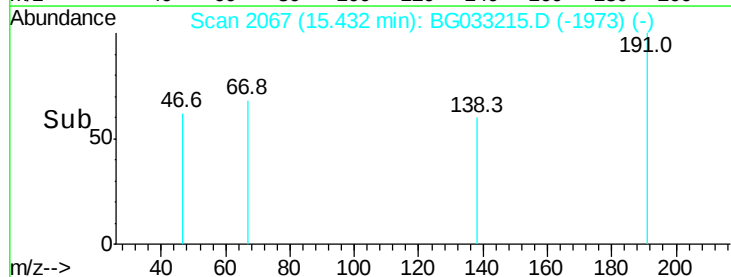
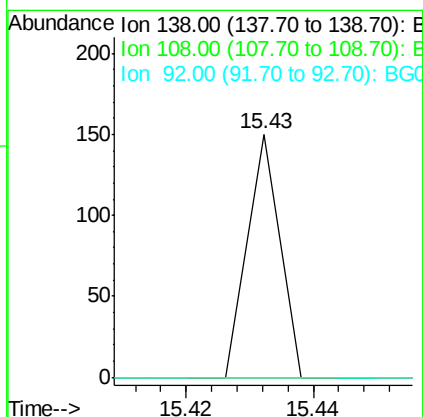
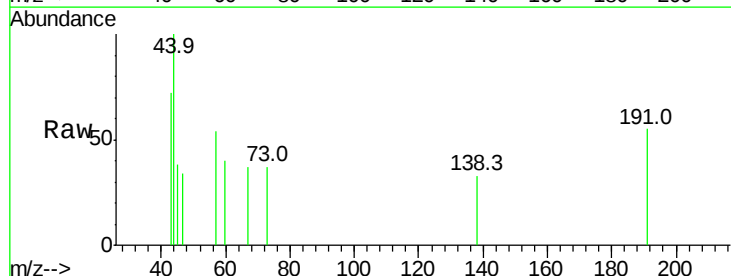
Instrument :
 BNA_G
 ClientSampled :
 4527-28

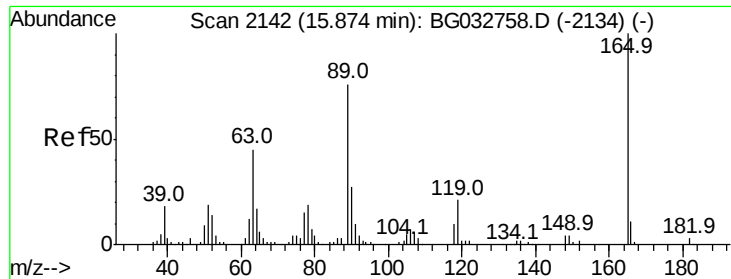
Tot Ion:165 Resp: 13167
 Ion Ratio Lower Upper
 165 100
 63 2.3 52.7 79.1#
 89 2.5 49.2 73.8#



#52
 3-Nitroaniline
 Concen: 7.569 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. 0.02 min
 Lab File: BG033215.D
 Acq: 17 Mar 2018 3:07

Tgt Ion:138 Resp: 53
 Ion Ratio Lower Upper
 138 100
 108 0.0 17.5 26.3#
 92 0.0 105.8 158.8#

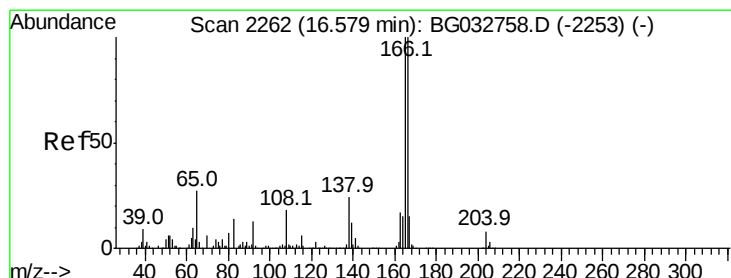
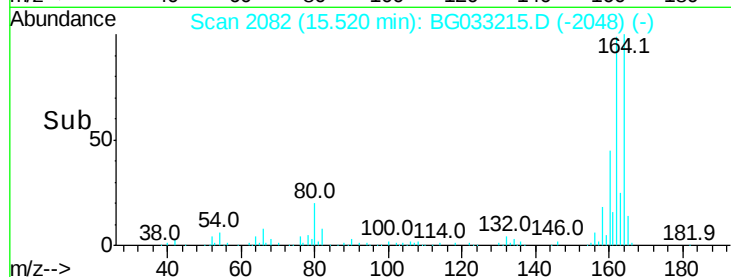
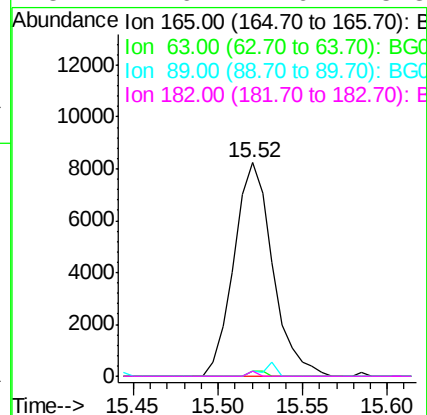
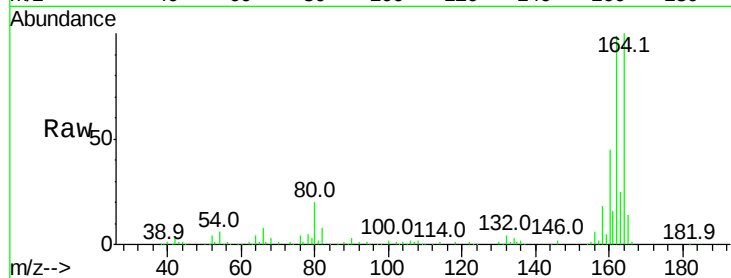




#56
 2,4-Dinitrotoluene
 Concen: 14.699 ng
 RT: 15.52 min Scan# 2082
 Delta R.T. -0.33 min
 Lab File: BG033215.D
 Acq: 17 Mar 2018 3:07

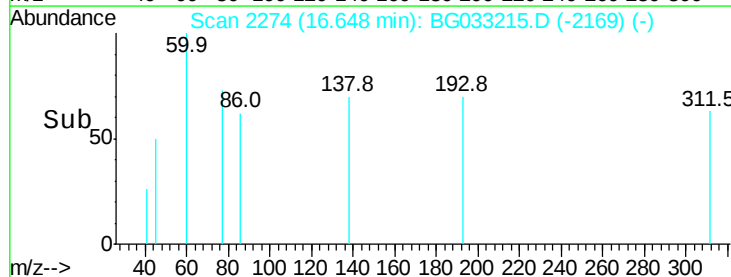
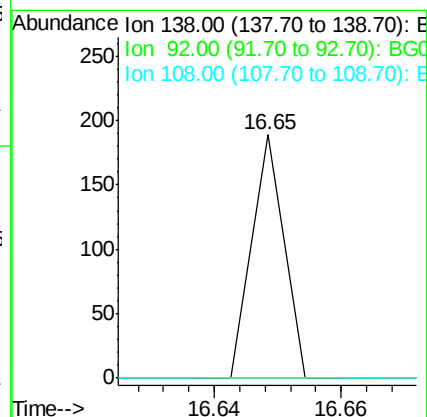
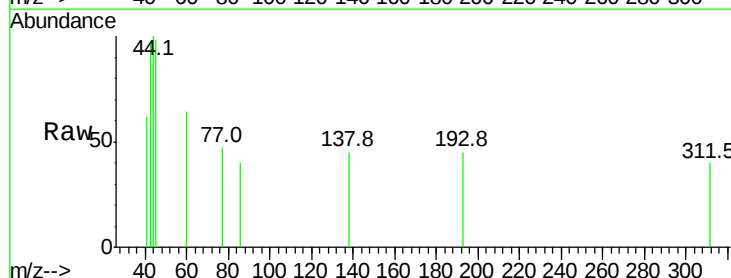
Instrument :
 BNA_G
 ClientSampleId :
 4527-28

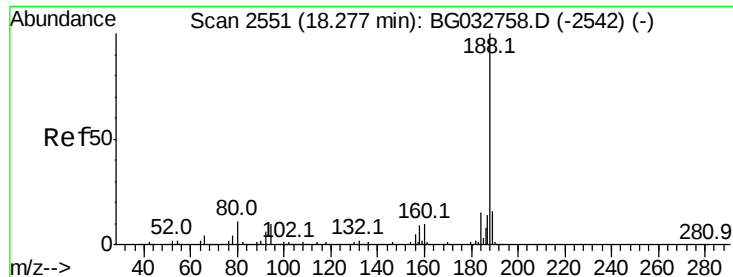
Tot Ion:	165	Resp:	13167
Ion	Ratio	Lower	Upper
165	100		
63	2.3	42.0	63.0#
89	2.5	66.9	100.3#
182	2.6	2.6	3.8



#61
 4-Nitroaniline
 Concen: 5.332 ng
 RT: 16.65 min Scan# 2274
 Delta R.T. 0.08 min
 Lab File: BG033215.D
 Acq: 17 Mar 2018 3:07

Tgt Ion:	138	Resp:	67
Ion	Ratio	Lower	Upper
138	100		
92	0.0	40.1	80.1#
108	0.0	65.4	105.4#

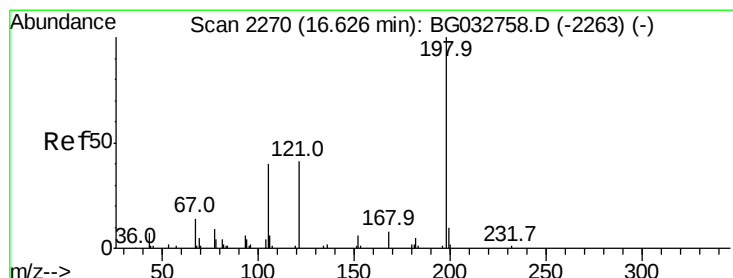
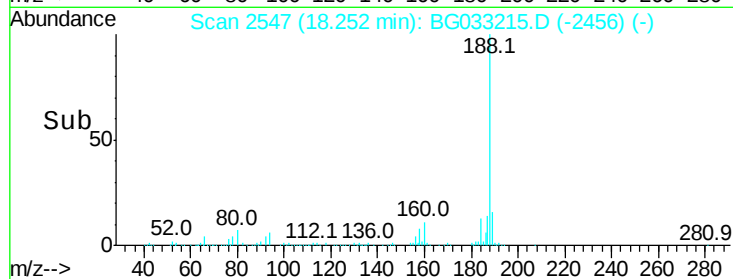
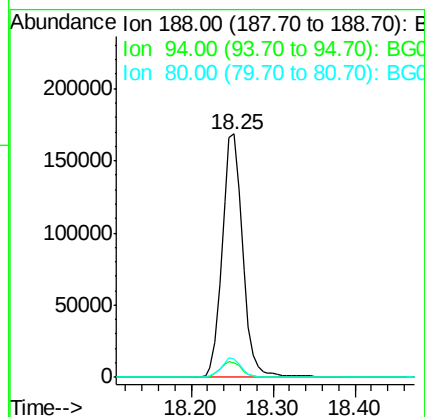
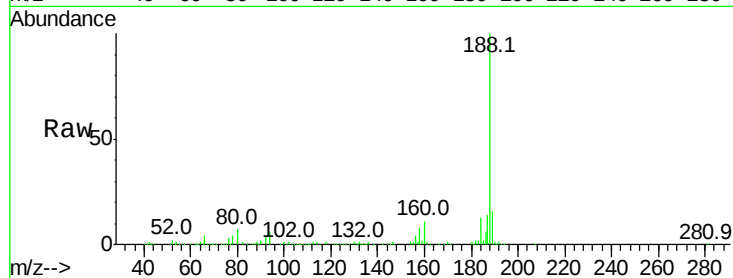




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. 0.00 min
 Lab File: BG033215.D
 Acq: 17 Mar 2018 3:07

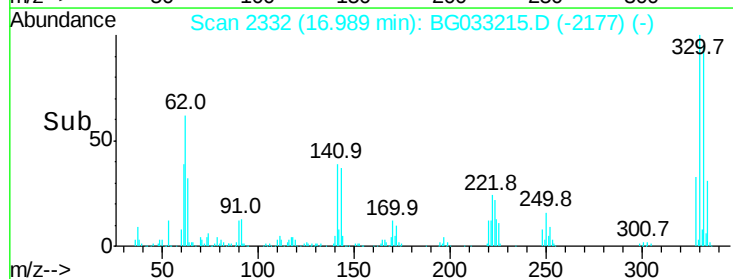
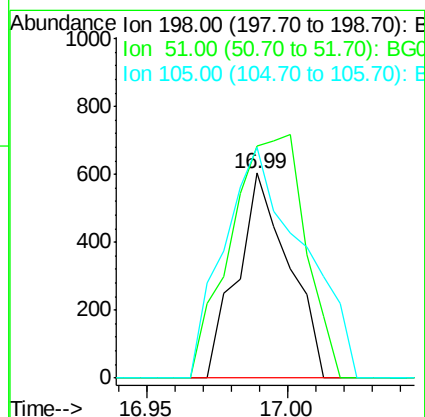
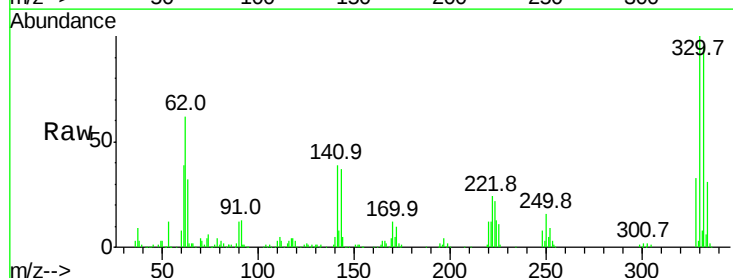
Instrument :
 BNA_G
 ClientSampleId :
 4527-28

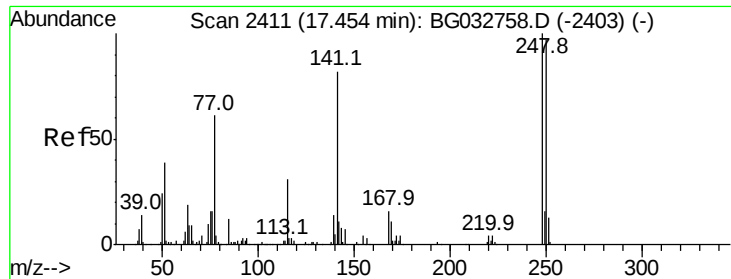
Tot Ion:188 Resp: 294646
 Ion Ratio Lower Upper
 188 100
 94 6.0 6.9 10.3#
 80 7.3 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.044 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. 0.38 min
 Lab File: BG033215.D
 Acq: 17 Mar 2018 3:07

Tgt Ion:198 Resp: 761
 Ion Ratio Lower Upper
 198 100
 51 113.1 30.6 70.6#
 105 112.4 23.8 63.8#

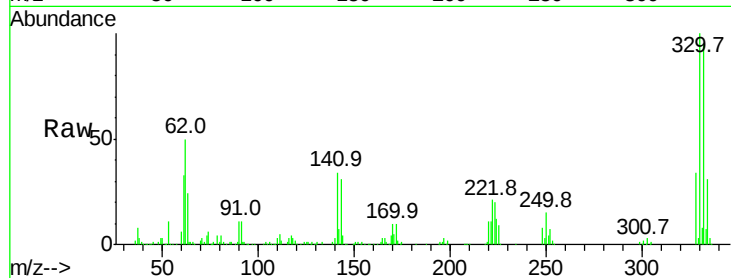




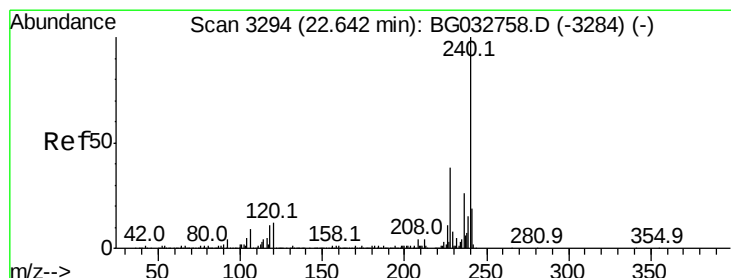
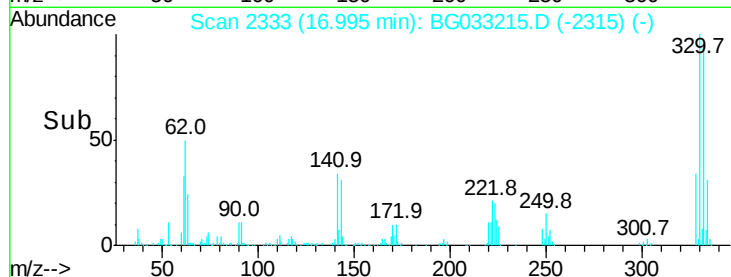
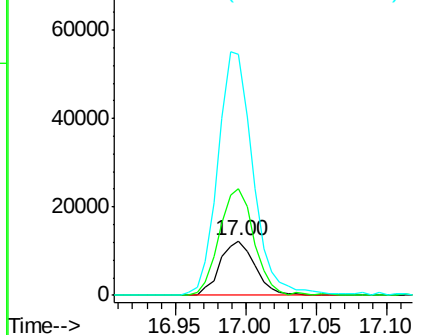
#66
4-Bromophenyl-phenylether
Concen: 6.820 ng
RT: 17.00 min Scan# 2333
Delta R.T. -0.43 min
Lab File: BG033215.D
Acq: 17 Mar 2018 3:07

Instrument :
BNA_G
ClientSampleId :
4527-28

Tot Ion:248 Resp: 21249
Ion Ratio Lower Upper
248 100
250 196.8 77.1 115.7#
141 442.2 50.8 76.2#

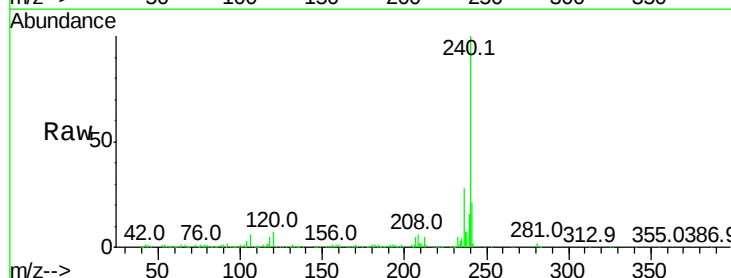


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

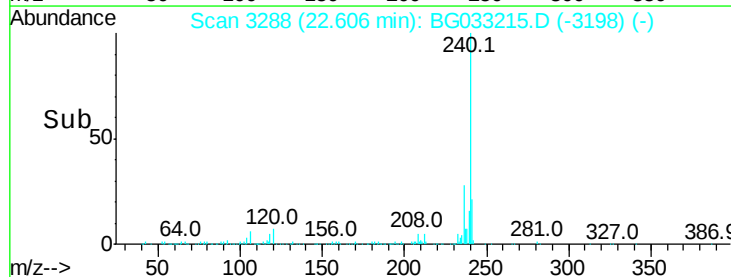
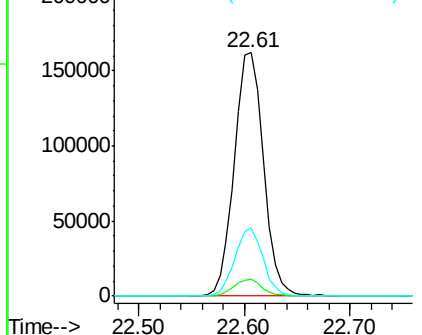


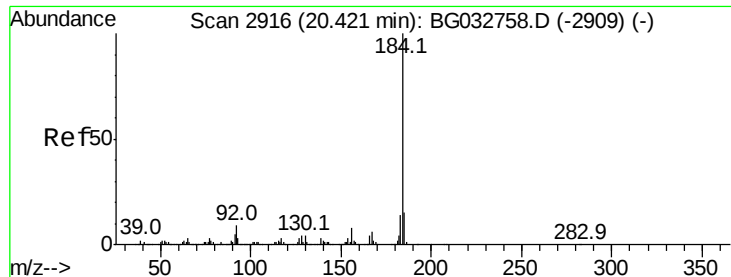
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.61 min Scan# 3288
Delta R.T. -0.00 min
Lab File: BG033215.D
Acq: 17 Mar 2018 3:07

Tgt Ion:240 Resp: 310207
Ion Ratio Lower Upper
240 100
120 6.9 6.8 10.2
236 28.2 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

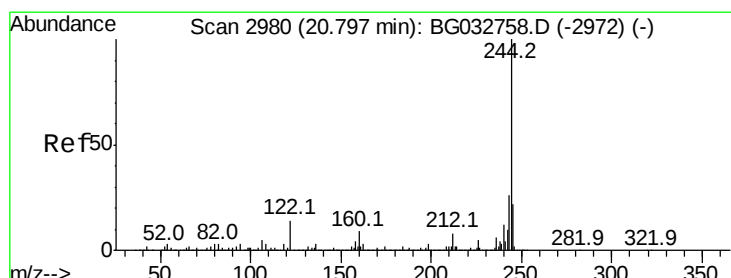
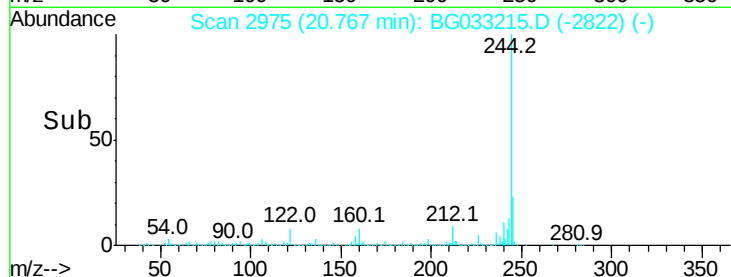
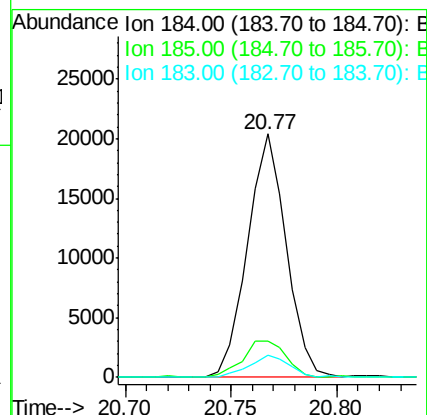
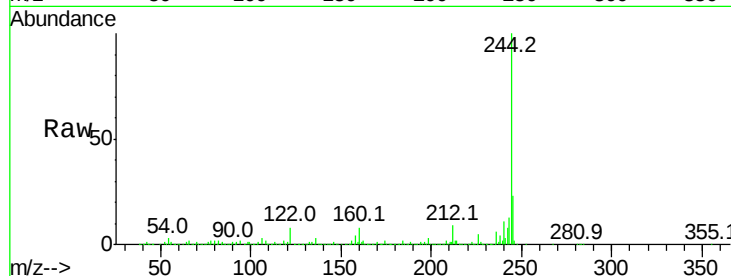




#76
Benzidine
Concen: 2.451 ng
RT: 20.77 min Scan# 2975
Delta R.T. 0.37 min
Lab File: BG033215.D
Acq: 17 Mar 2018 3:07

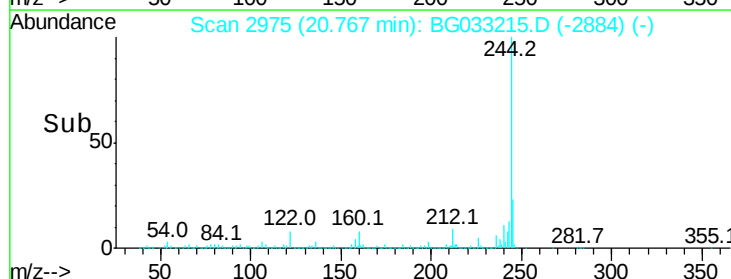
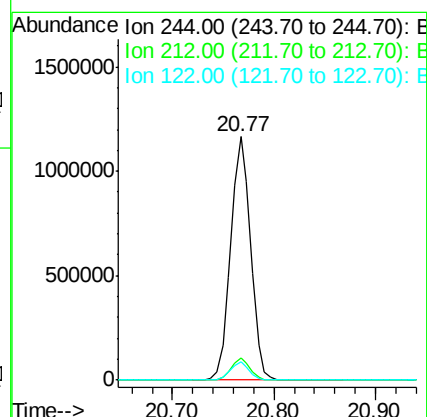
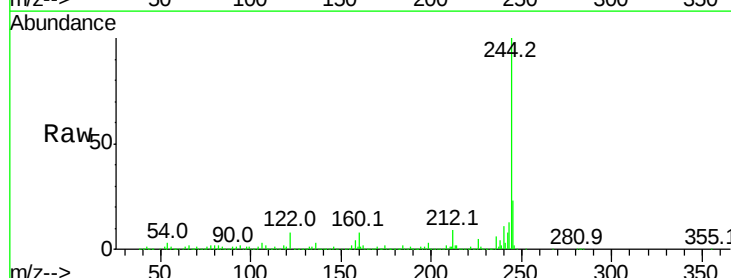
Instrument :
BNA_G
ClientSampleId :
4527-28

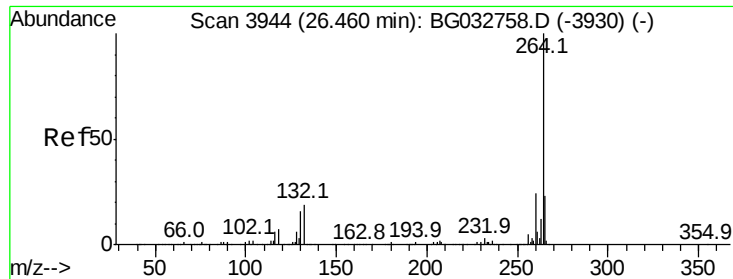
Tot Ion:184 Resp: 25917
Ion Ratio Lower Upper
184 100
185 15.1 11.1 16.7
183 8.9 10.6 16.0#



#78
Terphenyl-d14
Concen: 114.960 ng
RT: 20.77 min Scan# 2975
Delta R.T. 0.00 min
Lab File: BG033215.D
Acq: 17 Mar 2018 3:07

Tgt Ion:244 Resp: 1587254
Ion Ratio Lower Upper
244 100
212 9.2 5.8 8.8#
122 7.6 7.0 10.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.41 min Scan# 3935
Delta R.T. -0.00 min
Lab File: BG033215.D
Acq: 17 Mar 2018 3:07

Instrument :
BNA_G
ClientSampleId :
4527-28

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.4	26.0
265	23.0	17.7	26.5

