

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022618\
 Data File : BG032833.D
 Acq On : 26 Feb 2018 22:48
 Operator : SJ/JU
 Sample : J1675-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 27 01:23:02 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	69243	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	302417	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	167171	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	391622	20.00	ng	0.00
75) Chrysene-d12	22.62	240	374676	20.00	ng	0.00
86) Perylene-d12	26.44	264	391181	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	542824	125.42	ng	0.00
7) Phenol-d6	8.02	99	659431	109.31	ng	0.00
23) Nitrobenzene-d5	10.12	82	450285	101.19	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	254950	145.04	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	994544	85.80	ng	0.00
78) Terphenyl-d14	20.78	244	1537003	92.17	ng	0.00

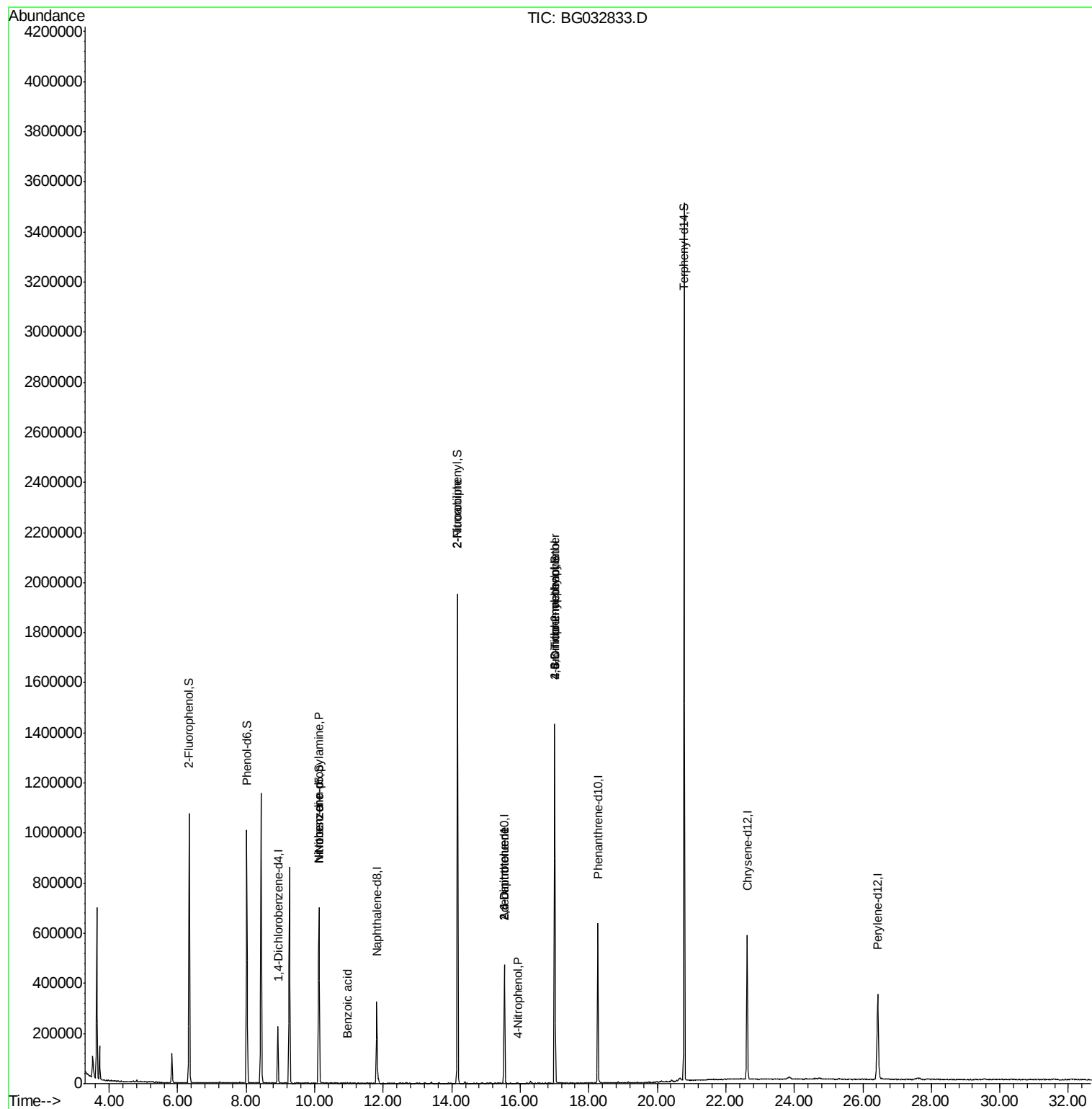
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	57525	13.51	ng	# 78
24) Nitrobenzene	10.12	77	1169	6.59	ng	# 45
32) Benzoic acid	10.96	122	841	6.17	ng	# 84
47) 2-Nitroaniline	14.17	65	1821	10.36	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	21344	16.30	ng	# 20
55) 4-Nitrophenol	15.93	139	350	7.22	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	21344	14.50	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.01	198	540	5.54	ng	# 9
66) 4-Bromophenyl-phenylether	17.01	248	18950	4.58	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.92 min Scan# 959

Delta R.T. -0.00 min

Lab File: BG032833.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_G

ClientSampleId :

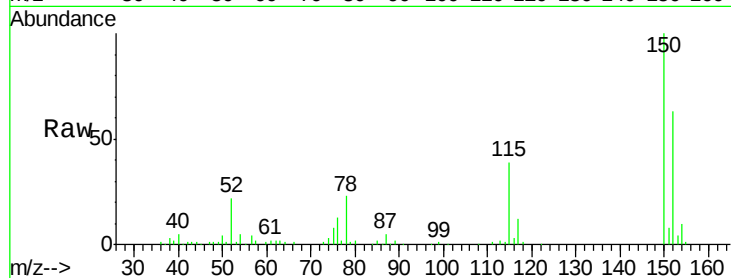
Tot Ion:152 Resp: 69243

Ion Ratio Lower Upper

152 100

150 158.3 126.6 189.8

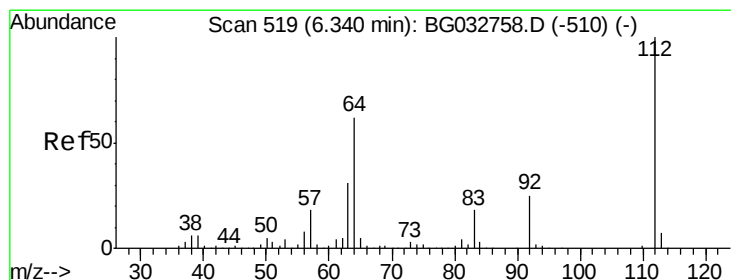
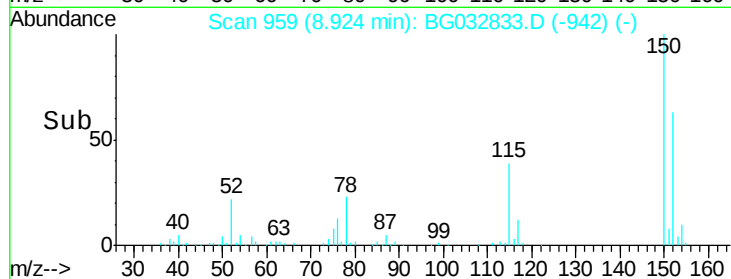
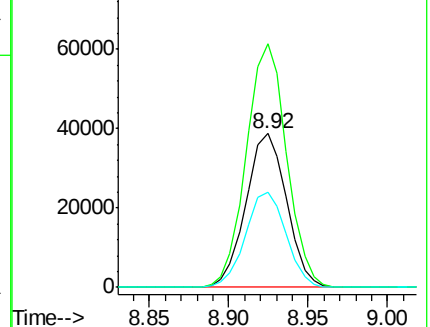
115 61.7 53.0 79.4



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: 125.42 ng

RT: 6.34 min Scan# 519

Delta R.T. 0.00 min

Lab File: BG032833.D

Acq: 26 Feb 2018 22:48

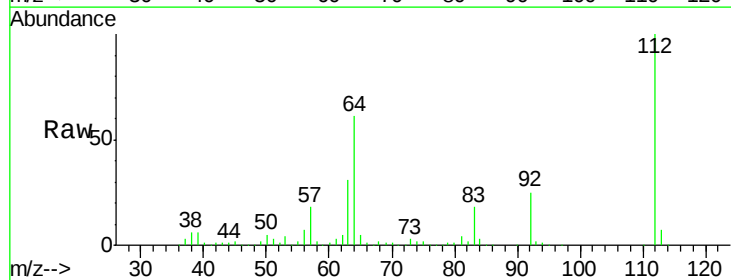
Tgt Ion:112 Resp: 542824

Ion Ratio Lower Upper

112 100

64 60.7 56.3 84.5

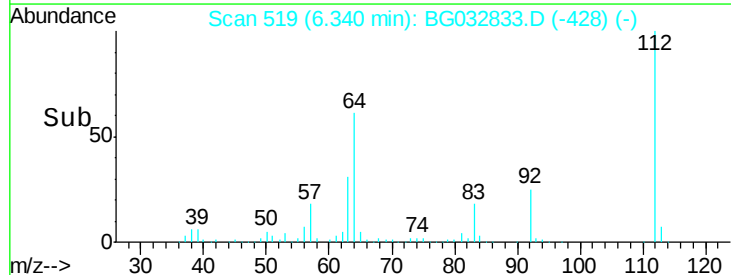
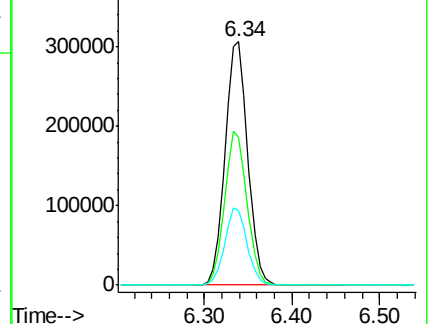
63 30.8 30.1 45.1



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: 109.31 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032833.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_G

ClientSampled :

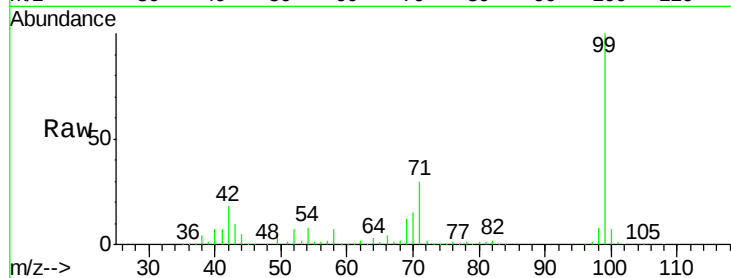
Tot Ion: 99 Resp: 659431

Ion Ratio Lower Upper

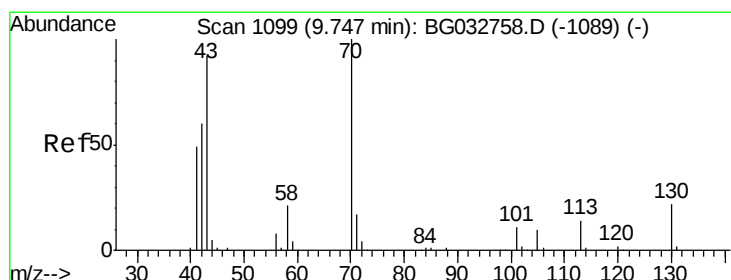
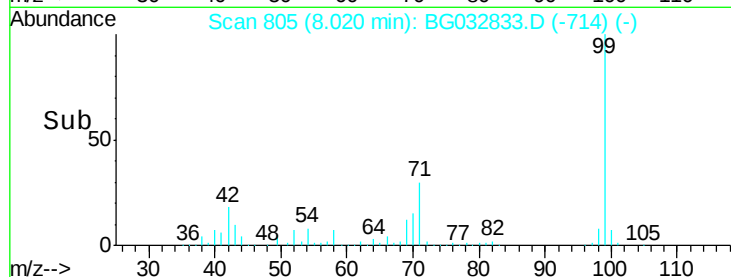
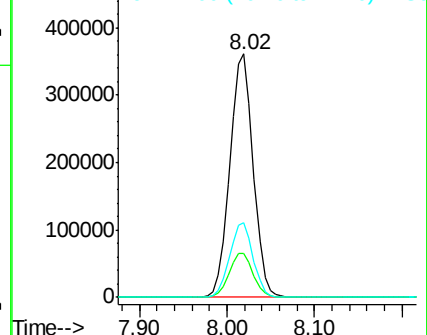
99 100

42 18.2 14.1 21.1

71 30.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.51 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.39 min

Lab File: BG032833.D

Acq: 26 Feb 2018 22:48

Tgt Ion: 70 Resp: 57525

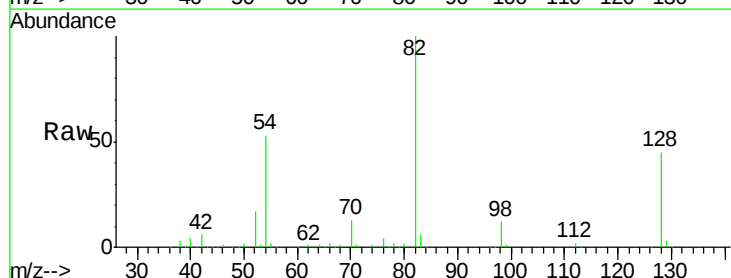
Ion Ratio Lower Upper

70 100

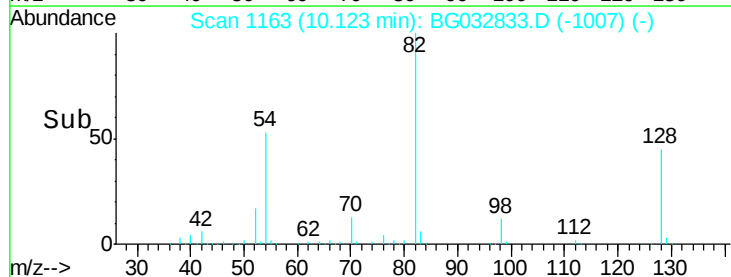
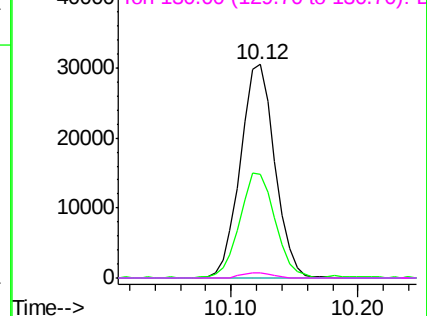
42 48.3 49.1 73.7#

101 0.0 8.5 12.7#

130 2.4 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

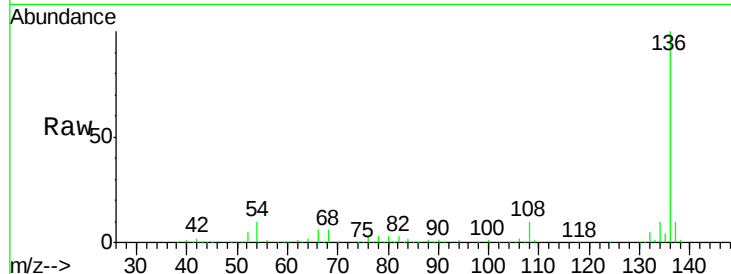




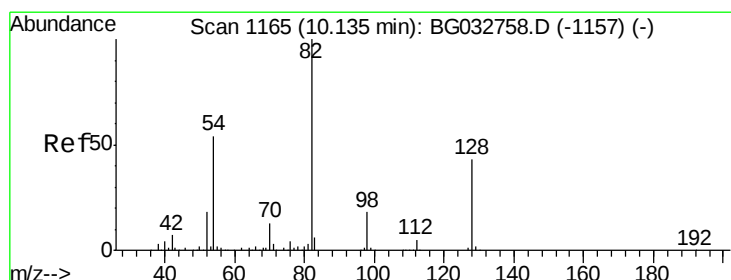
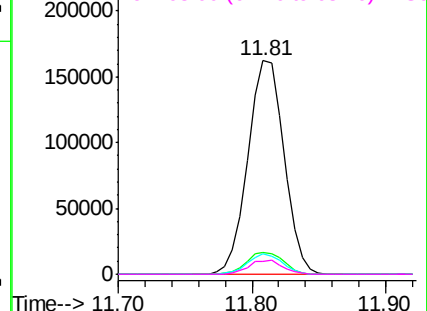
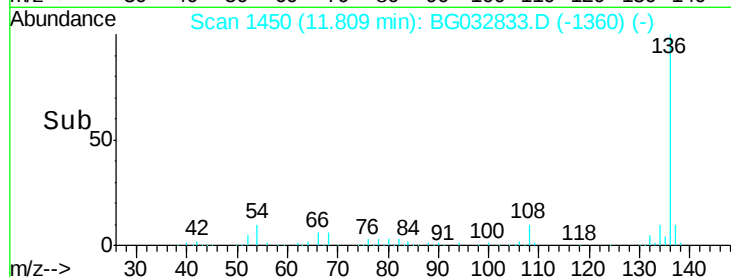
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032833.D
Acq: 26 Feb 2018 22:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	302417
Ion Ratio	Lower	Upper
136	100	
137	10.3	9.2 13.8
54	9.7	10.3 15.5#
68	6.1	4.5 6.7

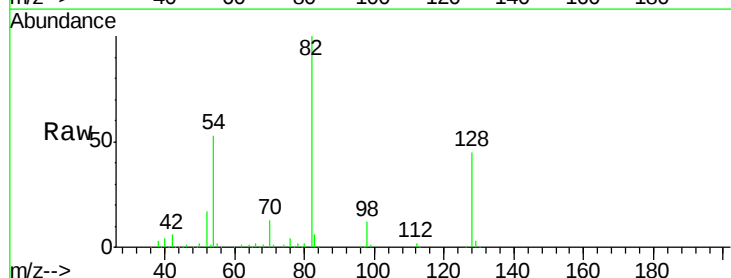


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

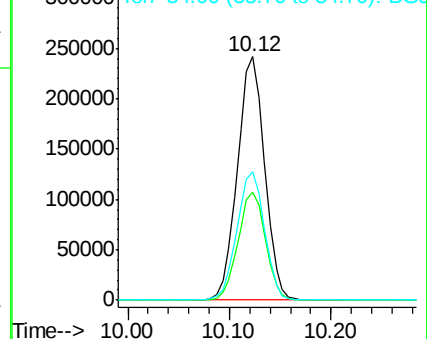
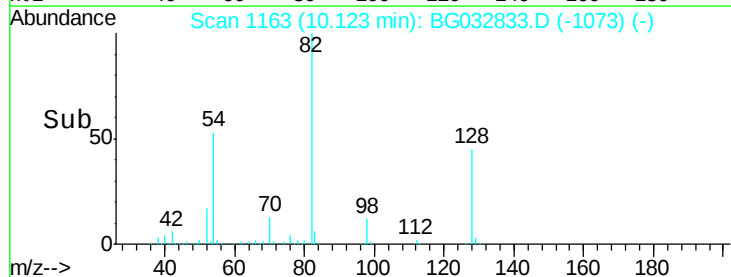


#23
Nitrobenzene-d5
Concen: 101.19 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032833.D
Acq: 26 Feb 2018 22:48

Tgt Ion: 82	Resp:	450285
Ion Ratio	Lower	Upper
82	100	
128	44.6	29.7 44.5#
54	52.9	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: 6.59 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.04 min

Lab File: BG032833.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_G

ClientSampleId :

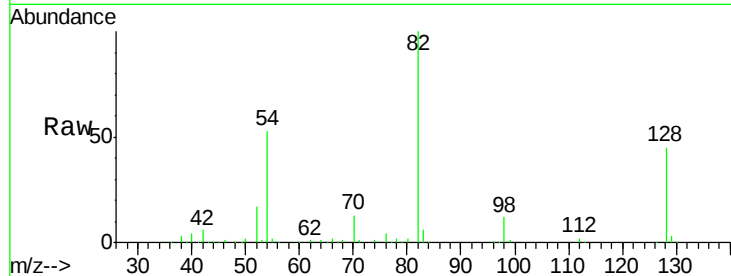
Tot Ion: 77 Resp: 1169

Ion Ratio Lower Upper

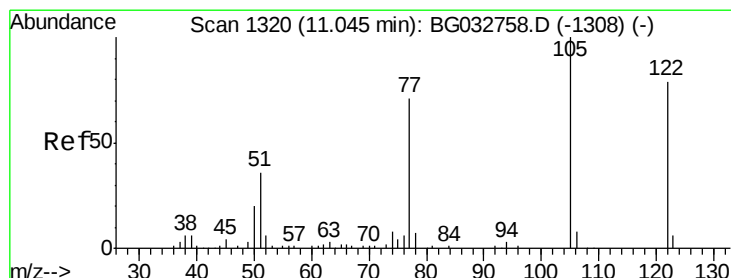
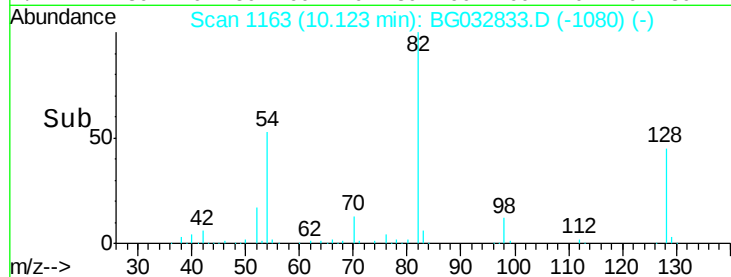
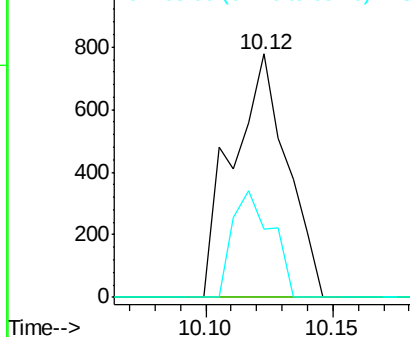
77 100

123 0.0 33.0 49.6#

65 28.0 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



#32

Benzoic acid

Concen: 6.17 ng

RT: 10.96 min Scan# 1305

Delta R.T. -0.08 min

Lab File: BG032833.D

Acq: 26 Feb 2018 22:48

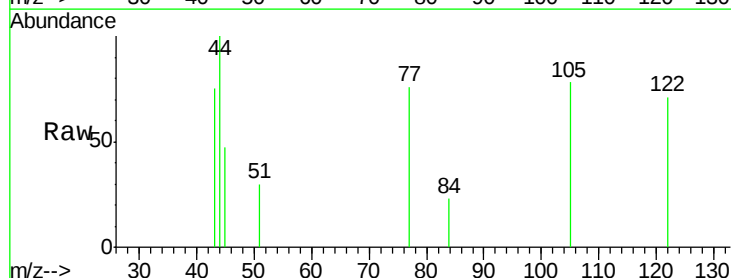
Tgt Ion: 122 Resp: 841

Ion Ratio Lower Upper

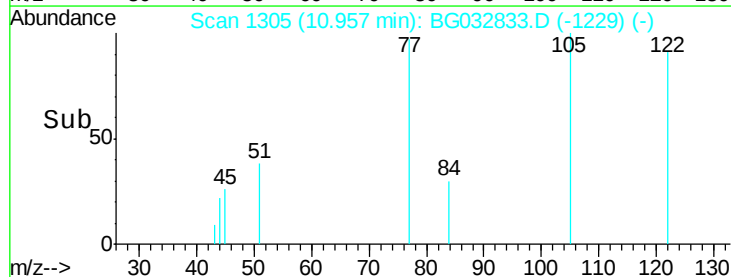
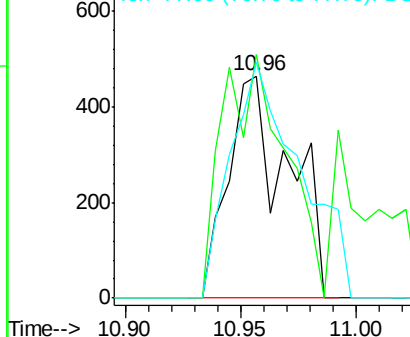
122 100

105 109.5 123.5 163.5#

77 106.2 85.7 125.7



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.00 min

Lab File: BG032833.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_G

ClientSampleId :

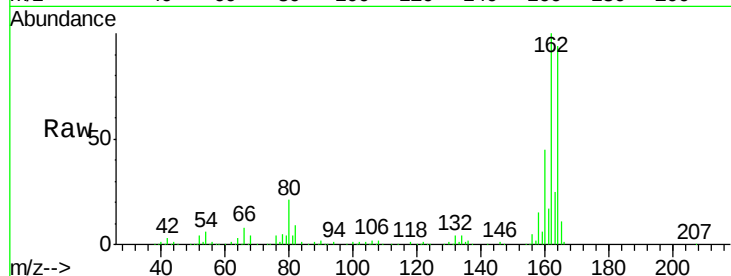
Tot Ion:164 Resp: 167171

Ion Ratio Lower Upper

164 100

162 106.5 78.8 118.2

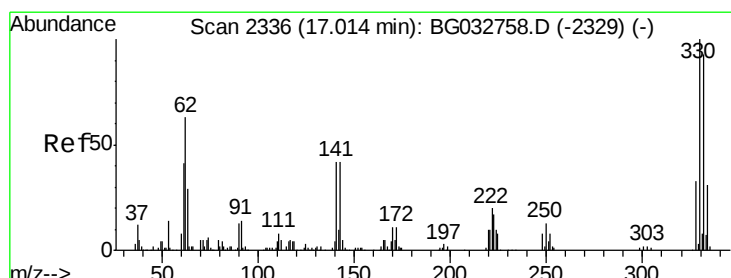
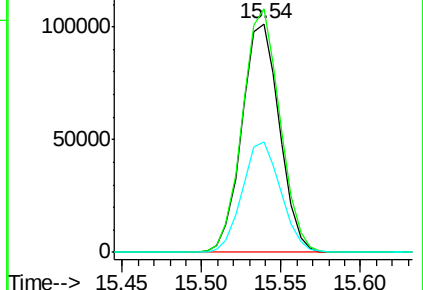
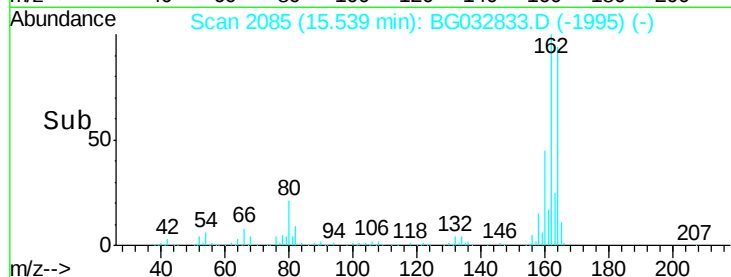
160 48.3 35.4 53.0



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: 145.04 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.00 min

Lab File: BG032833.D

Acq: 26 Feb 2018 22:48

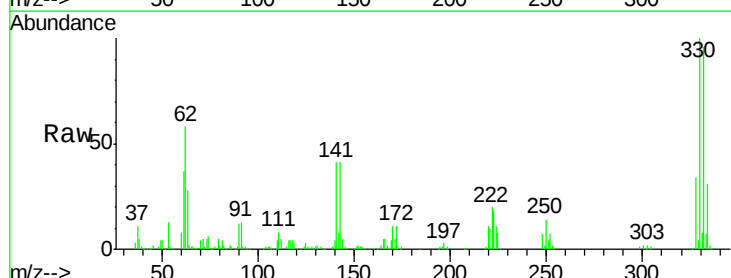
Tgt Ion:330 Resp: 254950

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

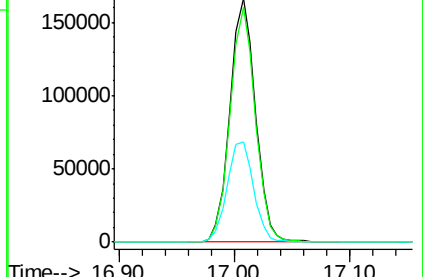
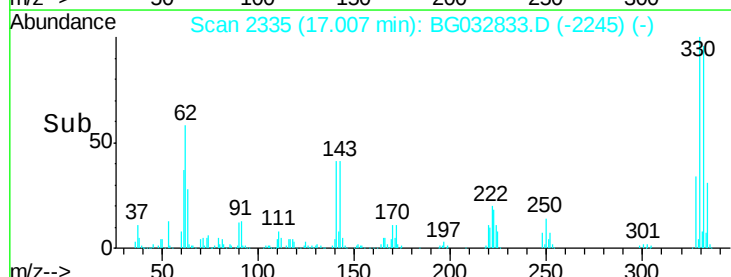
141 42.6 25.2 37.8#

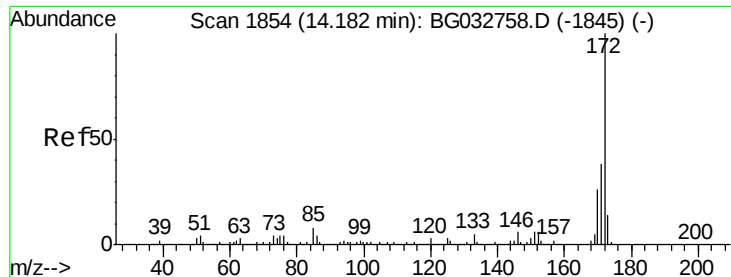


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

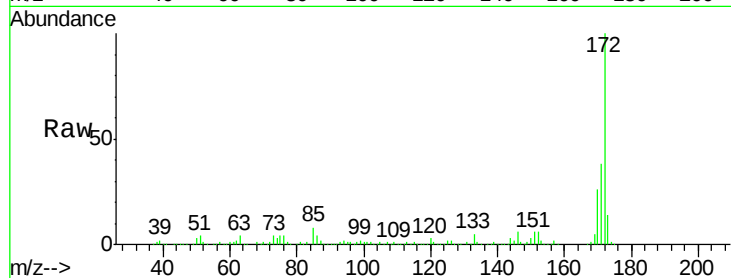




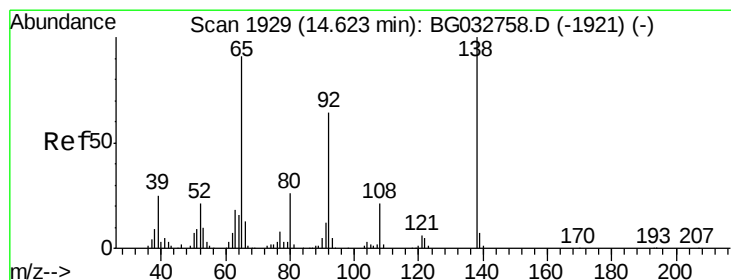
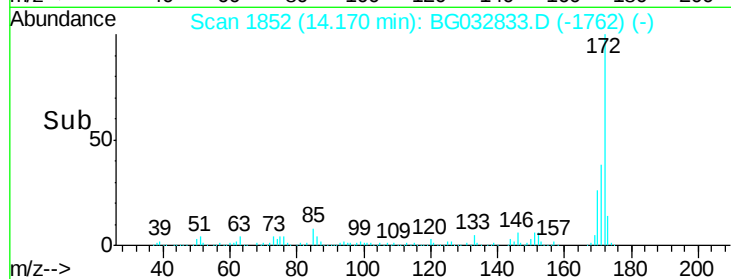
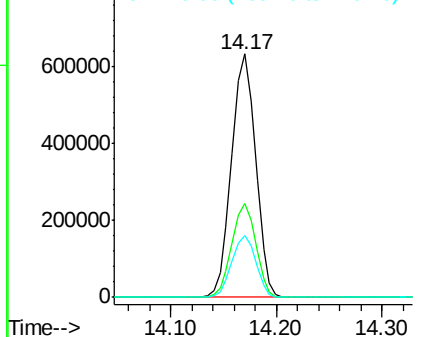
#44
 2-Fluorobiphenyl
 Concen: 85.80 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BG032833.D
 Acq: 26 Feb 2018 22:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 994544
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.0 45.0
 170 25.6 19.5 29.3

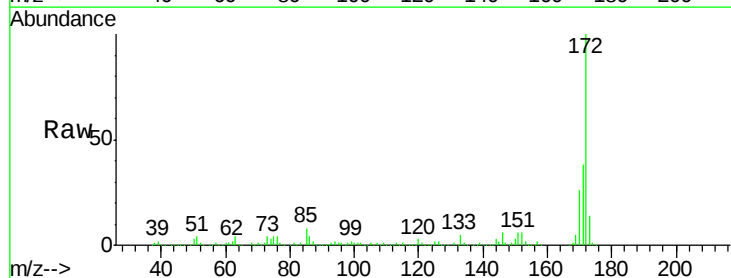


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

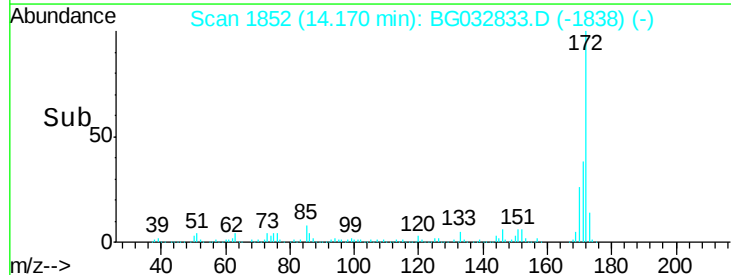
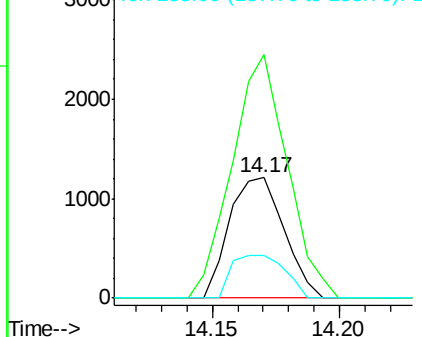


#47
 2-Nitroaniline
 Concen: 10.36 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.45 min
 Lab File: BG032833.D
 Acq: 26 Feb 2018 22:48

Tgt Ion: 65 Resp: 1821
 Ion Ratio Lower Upper
 65 100
 92 202.6 54.6 82.0#
 138 36.0 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: 16.30 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.44 min

Lab File: BG032833.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_G

ClientSampleId :

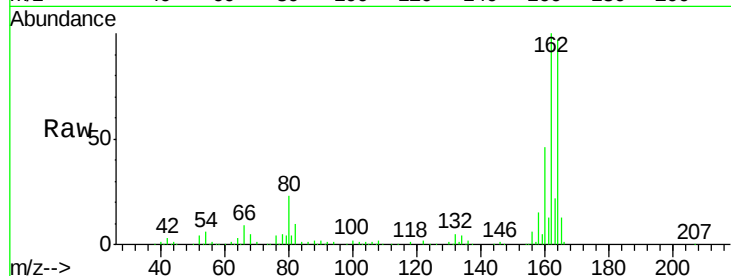
Tot Ion:165 Resp: 21344

Ion Ratio Lower Upper

165 100

63 1.8 52.7 79.1#

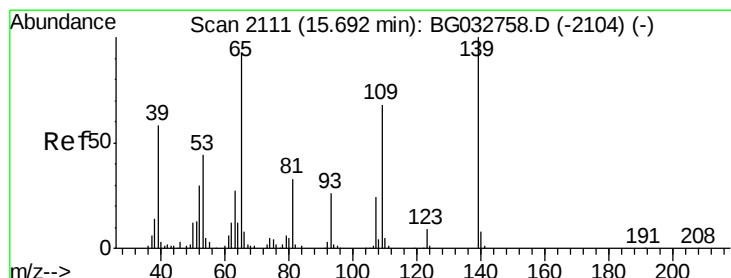
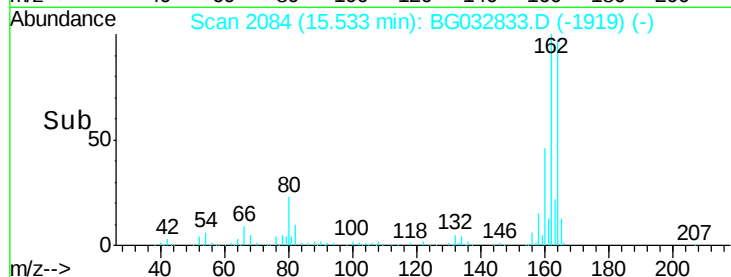
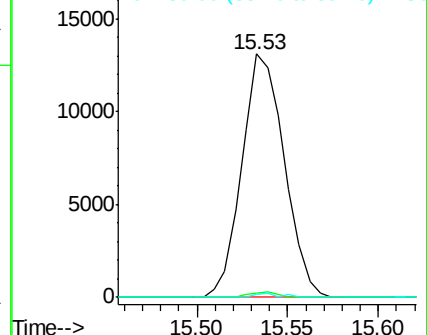
89 1.4 49.2 73.8#



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



#55

4-Nitrophenol

Concen: 7.22 ng

RT: 15.93 min Scan# 2152

Delta R.T. 0.24 min

Lab File: BG032833.D

Acq: 26 Feb 2018 22:48

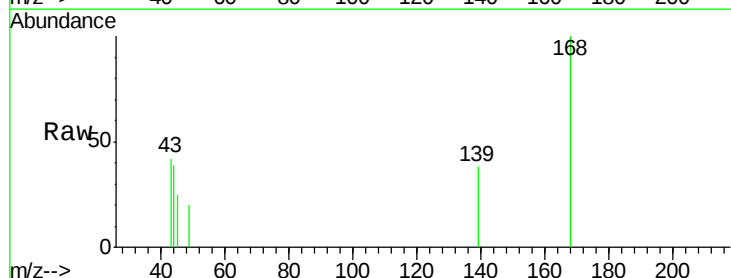
Tgt Ion:139 Resp: 350

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

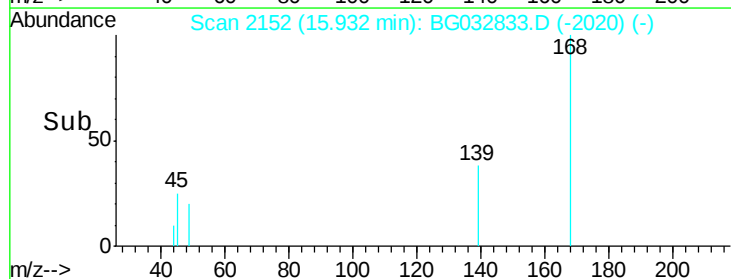
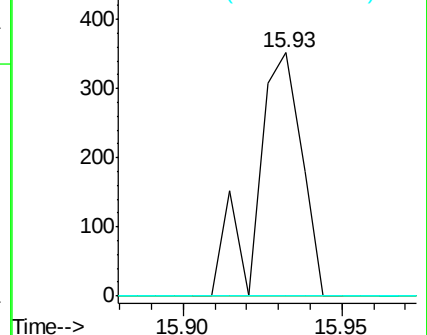
65 0.0 97.2 137.2#

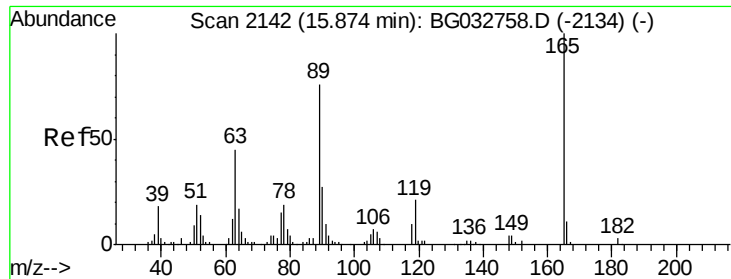


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

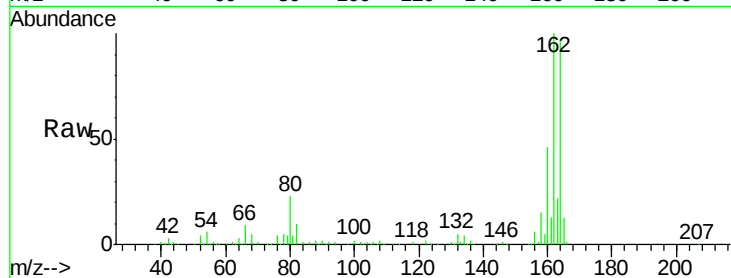




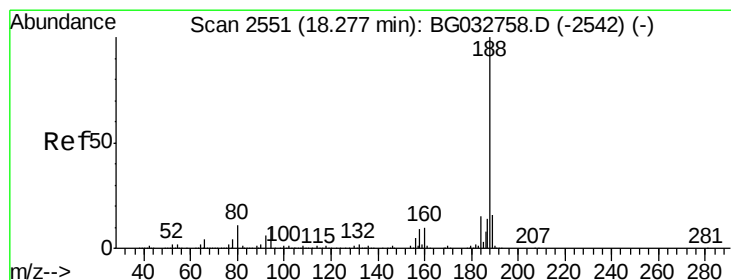
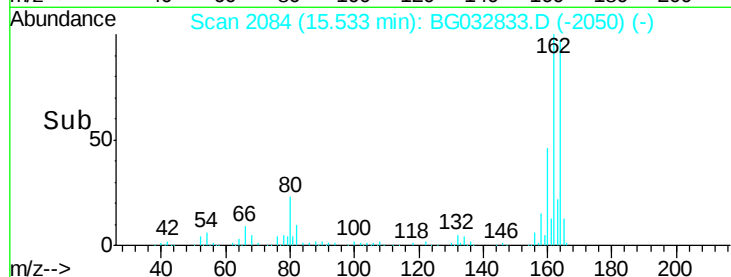
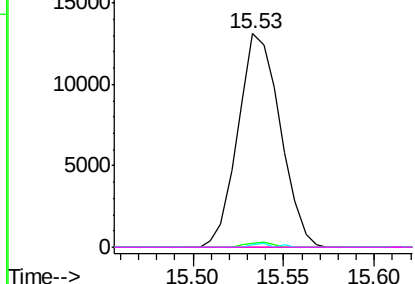
#56
2,4-Dinitrotoluene
Concen: 14.50 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.33 min
Lab File: BG032833.D
Acq: 26 Feb 2018 22:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 21344
Ion Ratio Lower Upper
165 100
63 1.8 42.0 63.0#
89 1.4 66.9 100.3#
182 0.0 2.6 3.8#

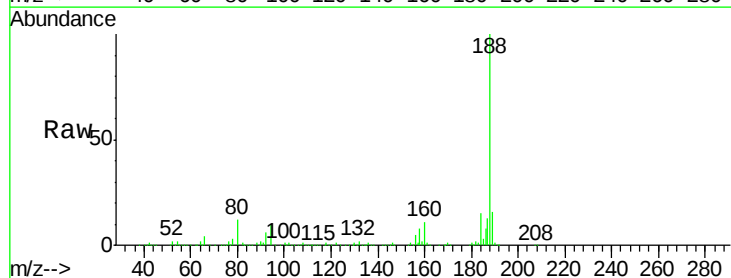


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

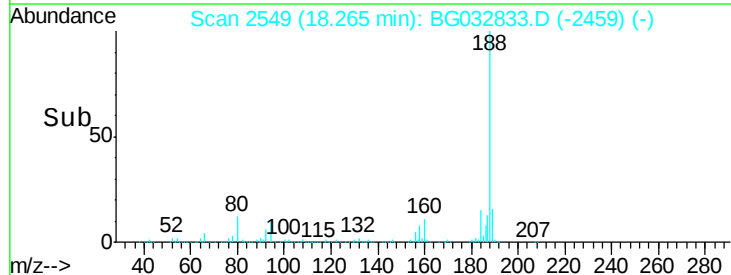
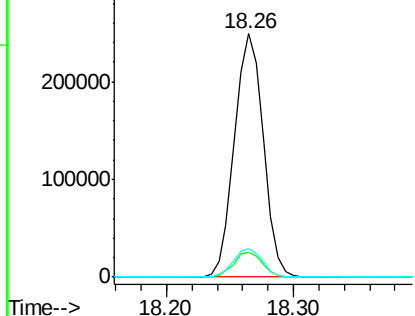


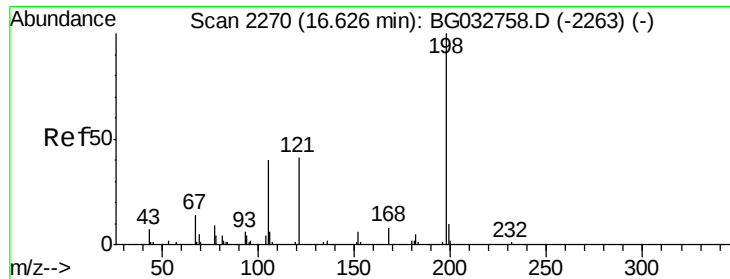
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.26 min Scan# 2549
Delta R.T. -0.00 min
Lab File: BG032833.D
Acq: 26 Feb 2018 22:48

Tgt Ion:188 Resp: 391622
Ion Ratio Lower Upper
188 100
94 9.9 6.9 10.3
80 11.7 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

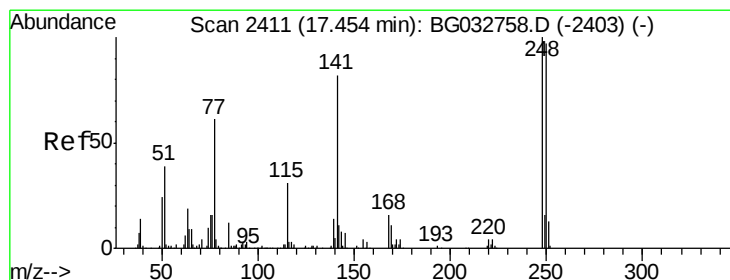
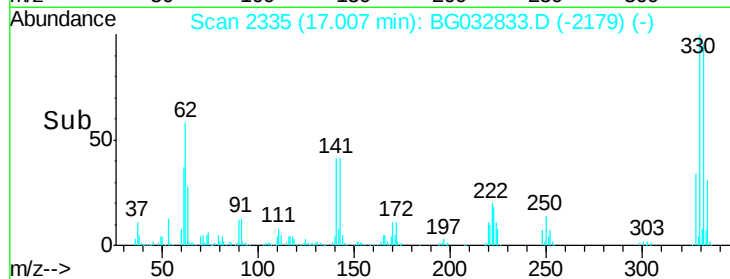
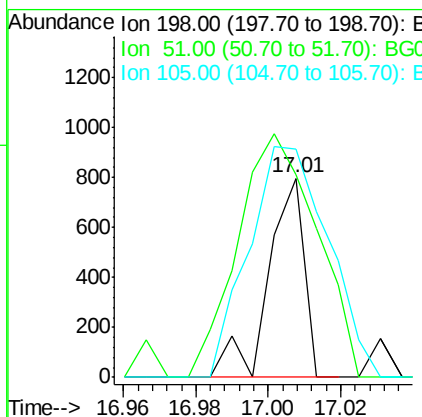
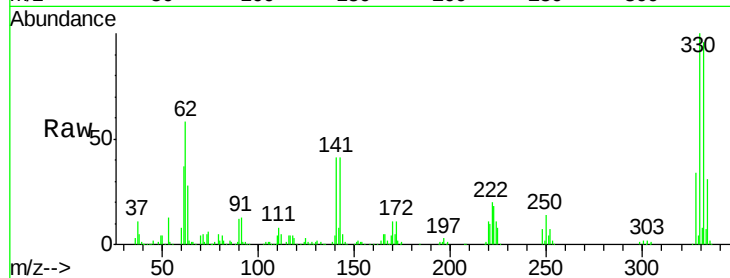




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.54 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. 0.39 min
 Lab File: BG032833.D
 Acq: 26 Feb 2018 22:48

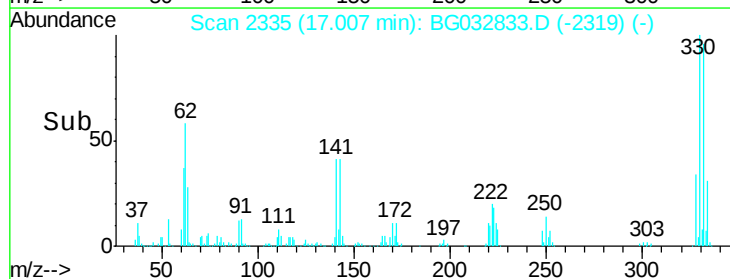
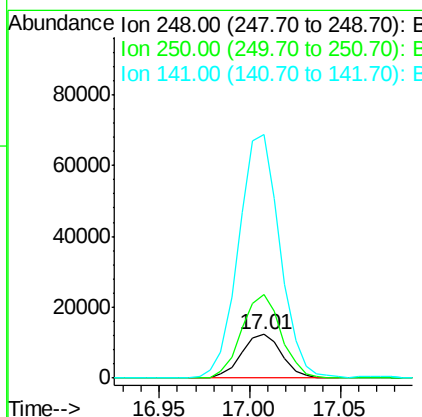
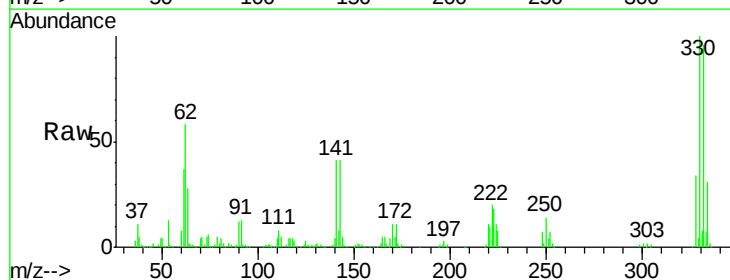
Instrument :
 BNA_G
 ClientSampleId :

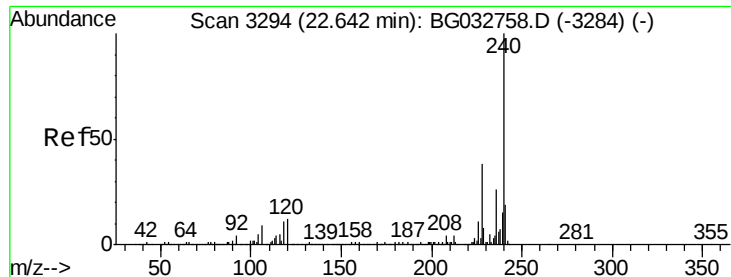
Tot Ion:198 Resp: 540
 Ion Ratio Lower Upper
 198 100
 51 102.0 30.6 70.6#
 105 114.6 23.8 63.8#



#66
 4-Bromophenyl-phenylether
 Concen: 4.58 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. -0.44 min
 Lab File: BG032833.D
 Acq: 26 Feb 2018 22:48

Tgt Ion:248 Resp: 18950
 Ion Ratio Lower Upper
 248 100
 250 191.8 77.1 115.7#
 141 556.7 50.8 76.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.62 min Scan# 3291

Delta R.T. -0.01 min

Lab File: BG032833.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_G

ClientSampleId :

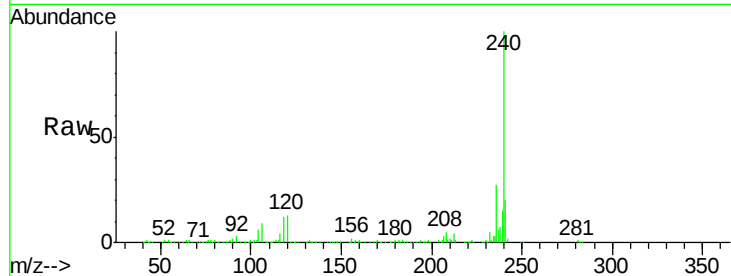
Tot Ion:240 Resp: 374676

Ion Ratio Lower Upper

240 100

120 13.3 6.8 10.2#

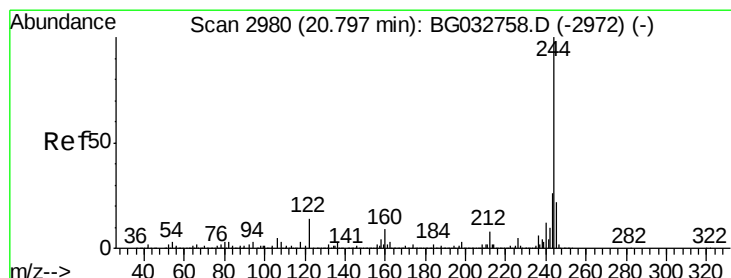
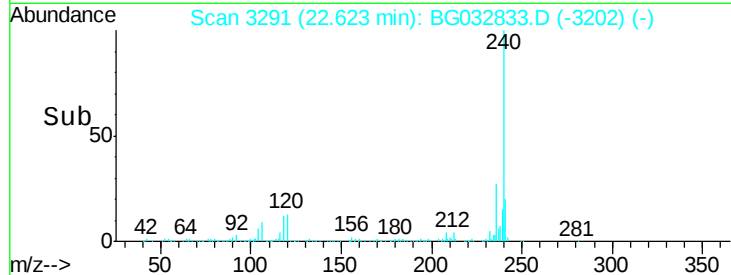
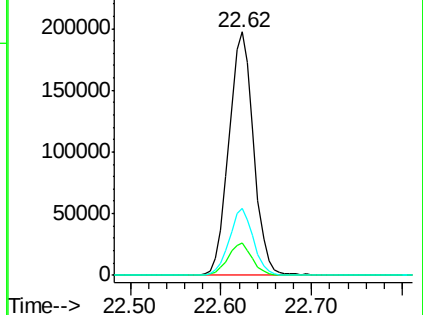
236 27.5 20.9 31.3



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: 92.17 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BG032833.D

Acq: 26 Feb 2018 22:48

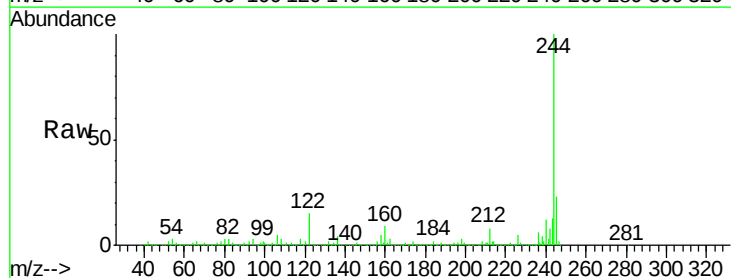
Tgt Ion:244 Resp: 1537003

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

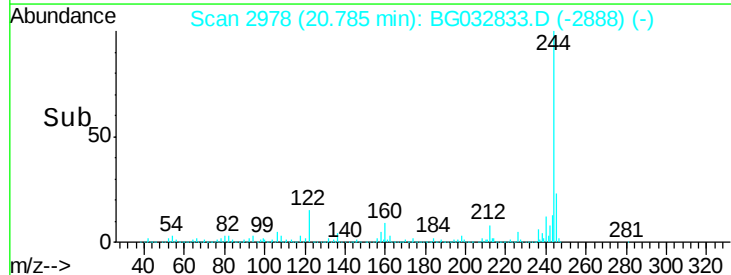
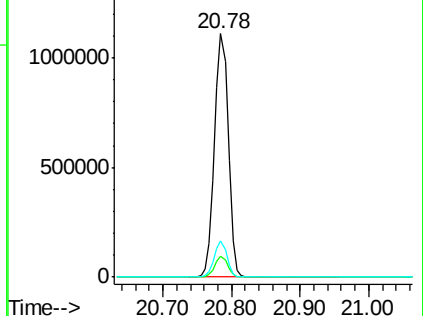
122 14.7 7.0 10.4#

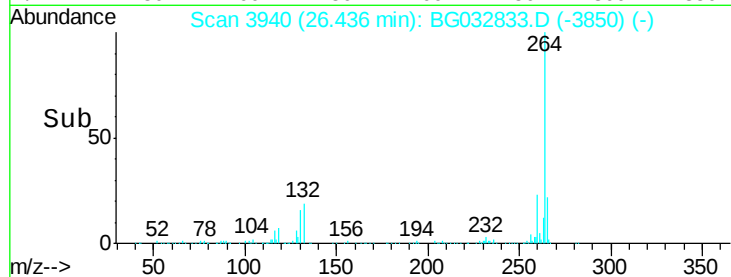
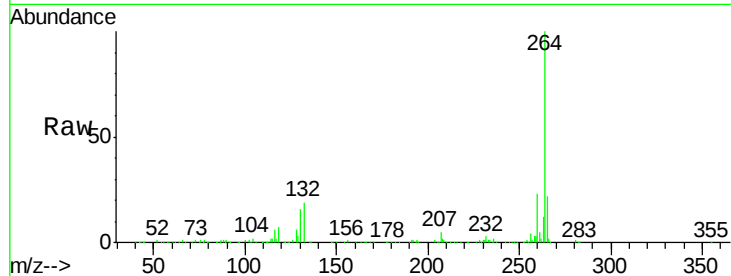
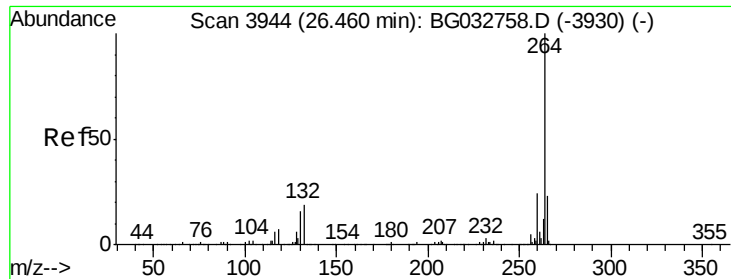


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 26.44 min Scan# 3940
Delta R.T. -0.00 min
Lab File: BG032833.D
Acq: 26 Feb 2018 22:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	22.1	17.7	26.5

