

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031318\
 Data File : BG033132.D
 Acq On : 14 Mar 2018 2:13
 Operator : SJ/JU
 Sample : J1874-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 04:11:24 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	50090	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	218715	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	119754	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	255428	20.00	ng	0.00
75) Chrysene-d12	22.61	240	242227	20.00	ng	0.00
86) Perylene-d12	26.42	264	215152	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	437976	139.89	ng	0.01
7) Phenol-d6	8.02	99	530968	121.67	ng	0.02
23) Nitrobenzene-d5	10.12	82	409948	124.81	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	197800	157.09	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	845343	101.81	ng	0.00
78) Terphenyl-d14	20.77	244	1157190	107.33	ng	0.00

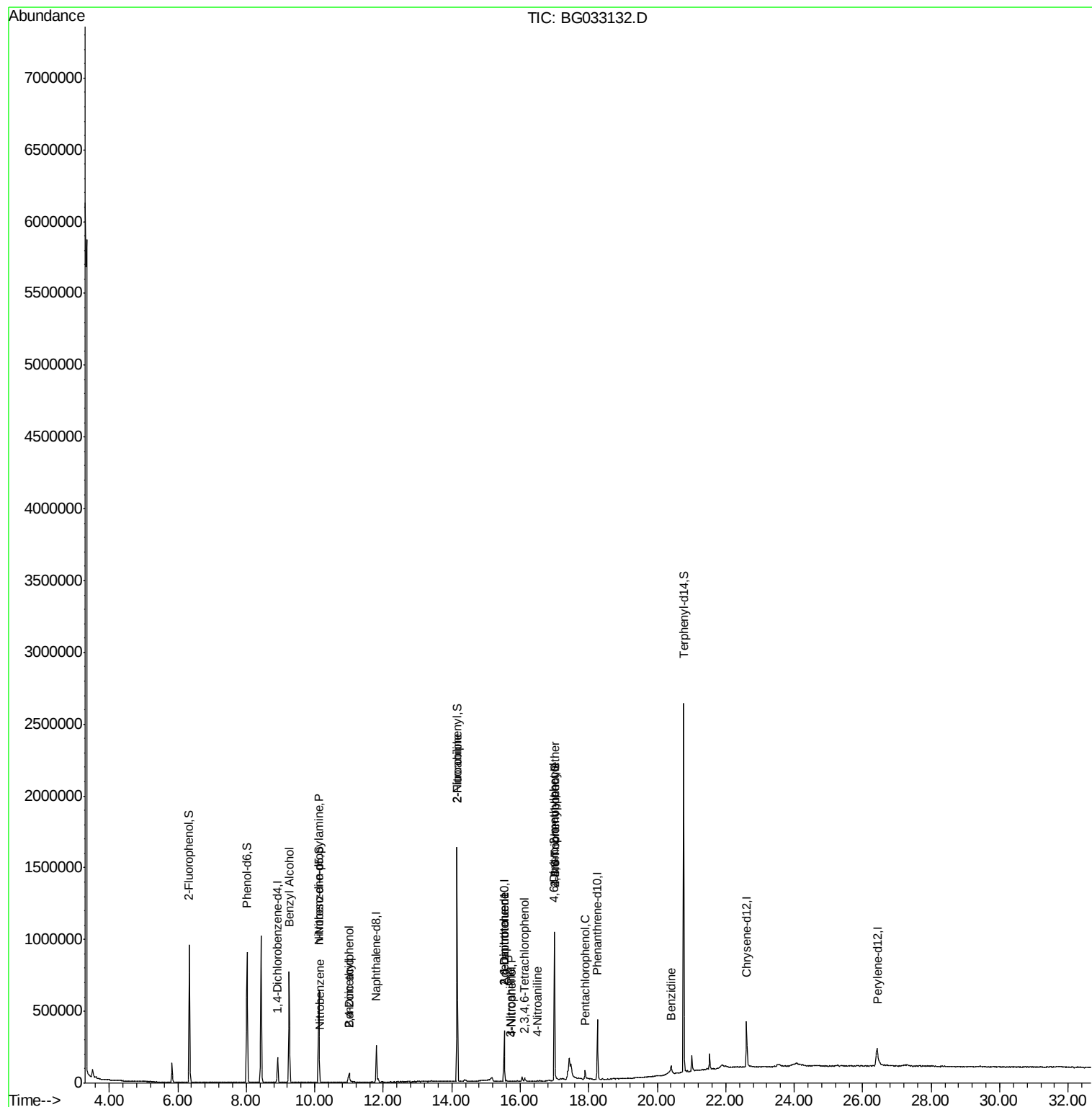
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.25	79	6834	2.130	ng	# 45
19) n-Nitroso-di-n-propylamine	10.12	70	55166	17.906	ng	# 83
24) Nitrobenzene	10.15	77	63	6.396	ng	# 42
27) 2,4-Dimethylphenol	11.01	122	35403	10.616	ng	# 1
32) Benzoic acid	11.01	122	35403	23.711	ng	90
47) 2-Nitroaniline	14.16	65	1502	10.441	ng	# 4
50) 2,6-Dinitrotoluene	15.52	165	15700	16.497	ng	# 21
52) 3-Nitroaniline	15.72	138	54	7.565	ng	# 1
55) 4-Nitrophenol	15.75	139	150	7.163	ng	# 36
56) 2,4-Dinitrotoluene	15.52	165	15700	14.696	ng	# 19
58) 2,3,4,6-Tetrachlorophenol	16.13	232	5116	2.540	ng	# 86
61) 4-Nitroaniline	16.51	138	62	5.325	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.99	198	700	6.110	ng	93
66) 4-Bromophenyl-phenylether	17.00	248	13430	4.972	ng	# 1
69) Pentachlorophenol	17.90	266	17032	9.264	ng	89
76) Benzidine	20.41	184	35533	4.304	ng	97

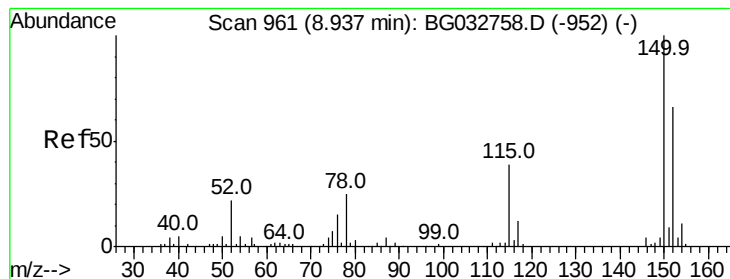
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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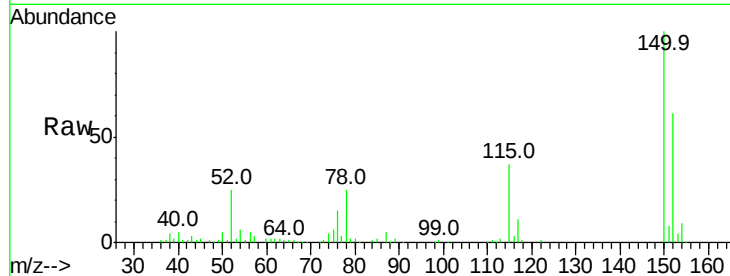


#1

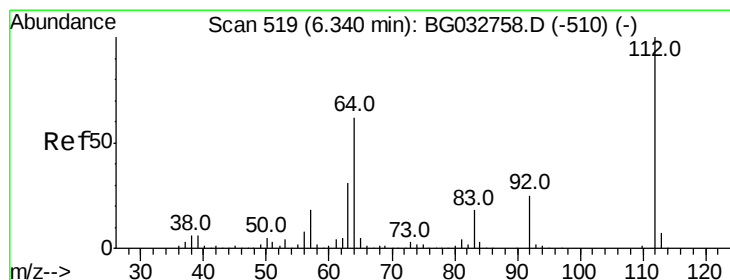
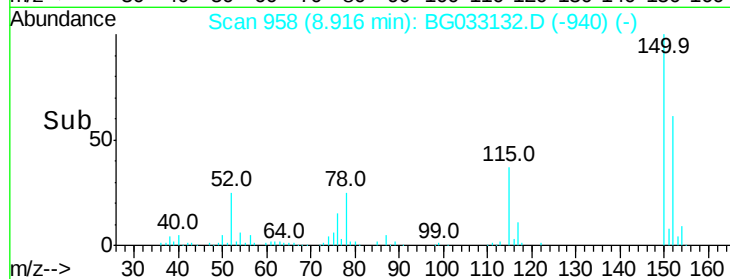
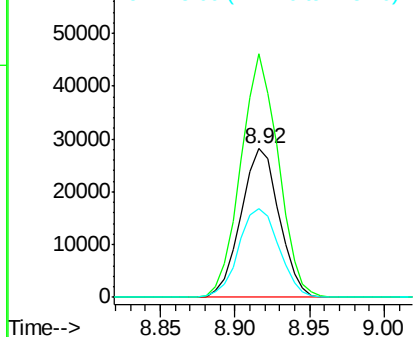
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. 0.01 min
Lab File: BG033132.D
Acq: 14 Mar 2018 2:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 50090
Ion Ratio Lower Upper
152 100
150 163.7 126.6 189.8
115 60.0 53.0 79.4



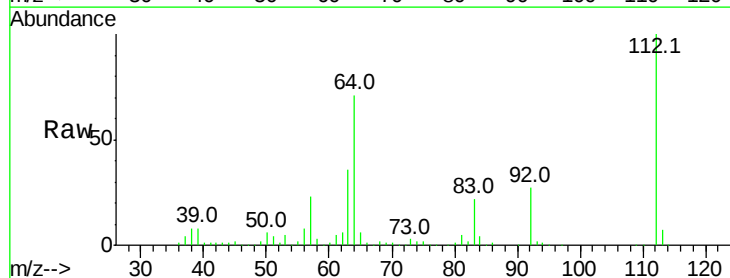
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



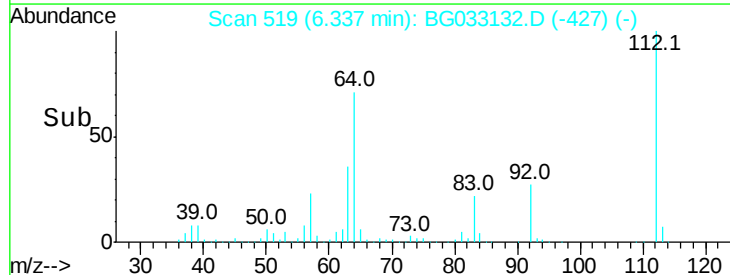
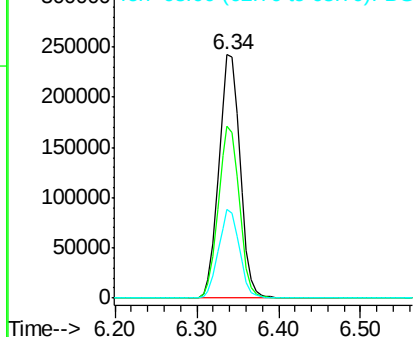
#5

2-Fluorophenol
Concen: 139.888 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.01 min
Lab File: BG033132.D
Acq: 14 Mar 2018 2:13

Tgt Ion:112 Resp: 437976
Ion Ratio Lower Upper
112 100
64 70.8 56.3 84.5
63 36.5 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: 121.669 ng

RT: 8.02 min Scan# 806

Delta R.T. 0.02 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

Instrument :

BNA_G

ClientSampleId :

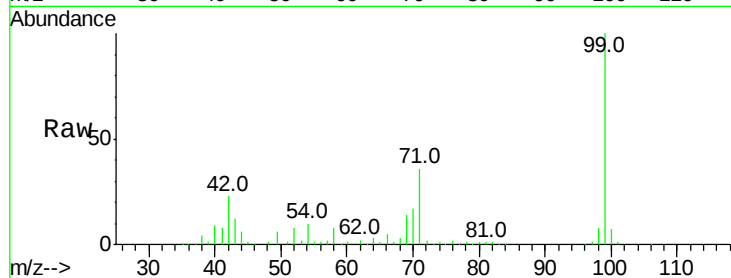
Tot Ion: 99 Resp: 530968

Ion Ratio Lower Upper

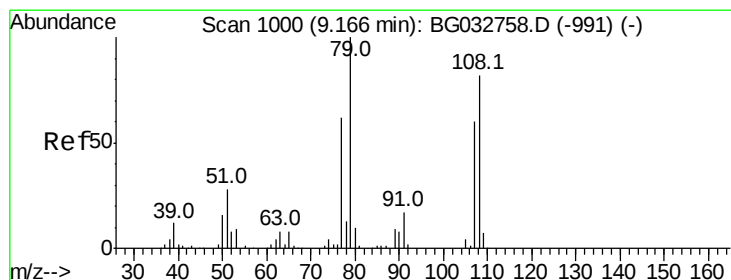
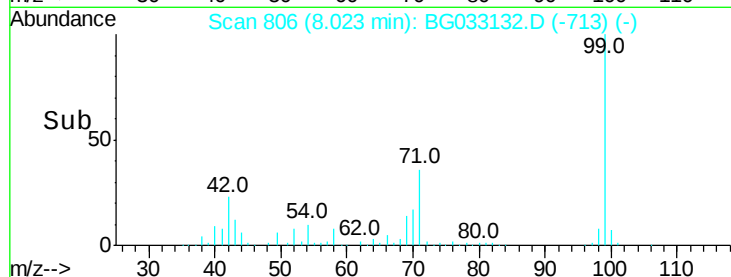
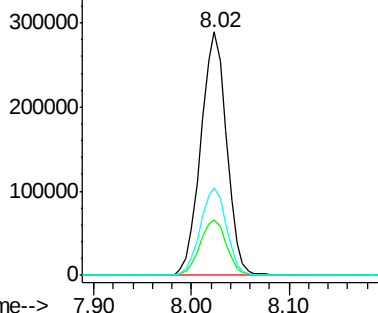
99 100

42 23.0 14.1 21.1#

71 36.1 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: 2.130 ng

RT: 9.25 min Scan# 1015

Delta R.T. 0.11 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

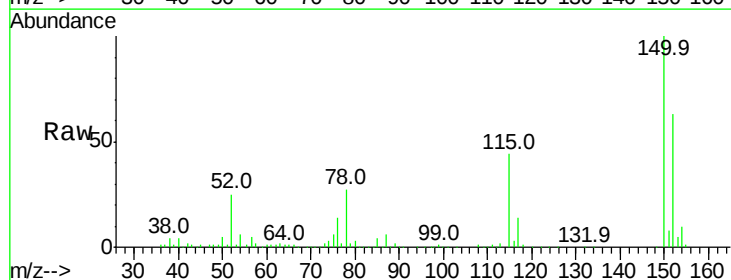
Tgt Ion: 79 Resp: 6834

Ion Ratio Lower Upper

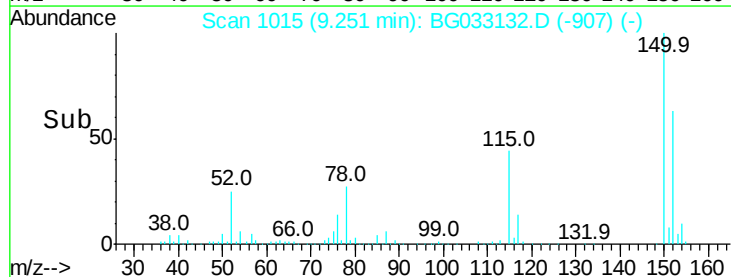
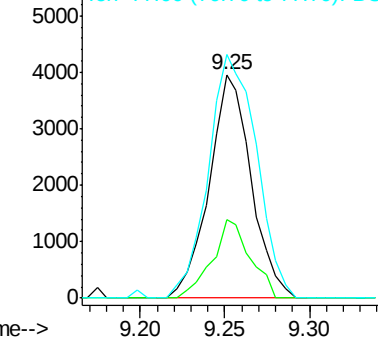
79 100

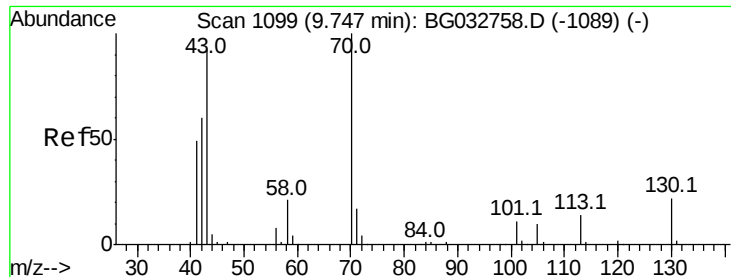
108 35.1 57.2 85.8#

77 109.0 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

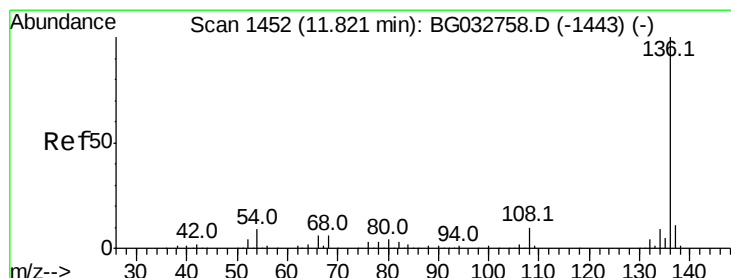
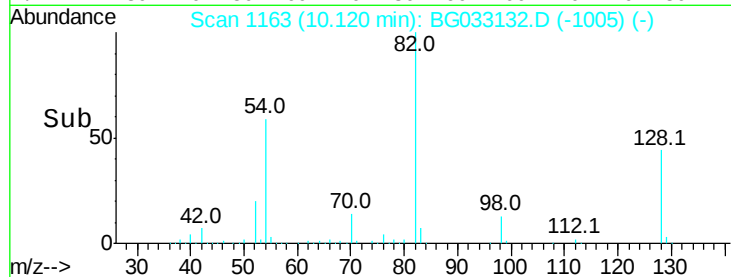
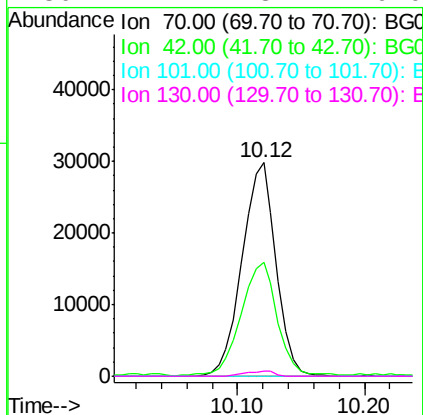
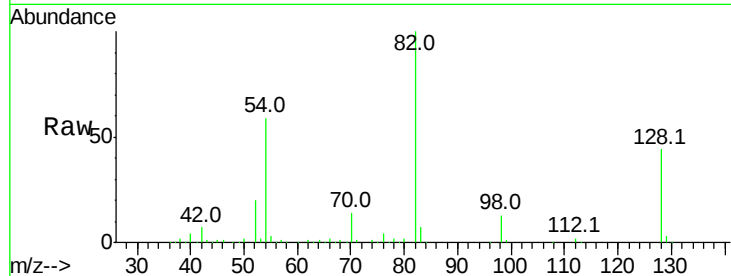




#19
n-Nitroso-di-n-propylamine
Concen: 17.906 ng
RT: 10.12 min Scan# 1163
Delta R.T. 0.40 min
Lab File: BG033132.D
Acq: 14 Mar 2018 2:13

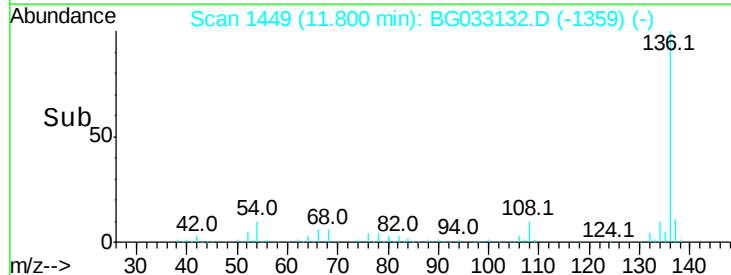
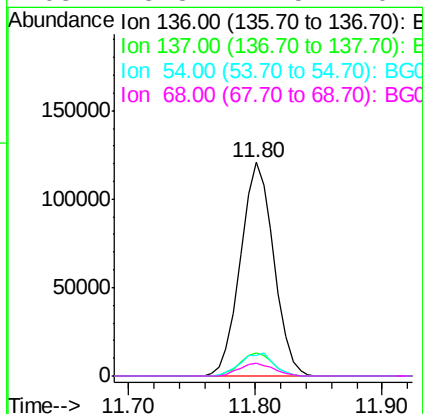
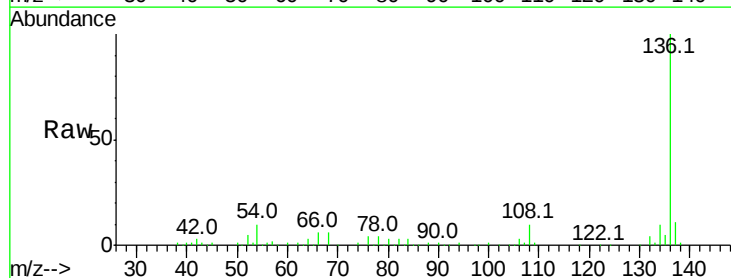
Instrument :
BNA_G
ClientSampled :

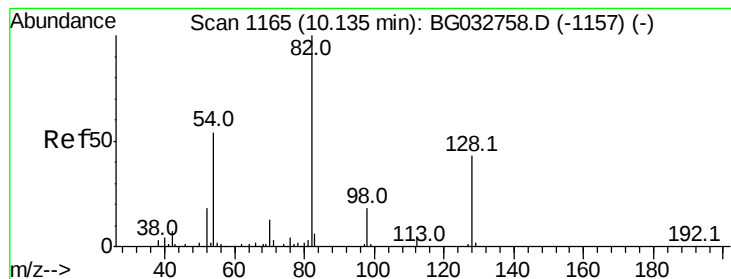
Tot Ion: 70 Resp: 55166
Ion Ratio Lower Upper
70 100
42 53.2 49.1 73.7
101 0.0 8.5 12.7#
130 2.4 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BG033132.D
Acq: 14 Mar 2018 2:13

Tgt Ion:136 Resp: 218715
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 9.9 10.3 15.5#
68 5.8 4.5 6.7





#23

Nitrobenzene-d5

Concen: 124.815 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.01 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

Instrument :

BNA_G

ClientSampleId :

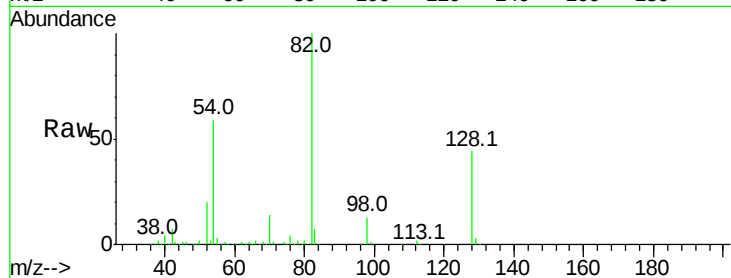
Tot Ion: 82 Resp: 409948

Ion Ratio Lower Upper

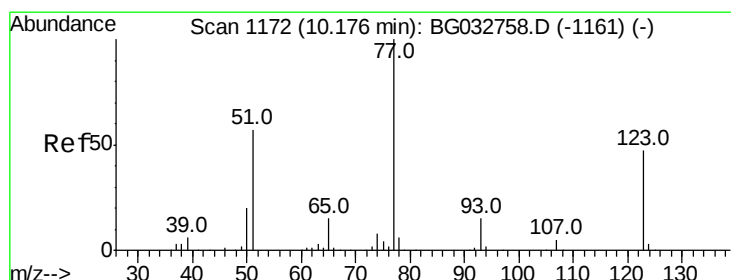
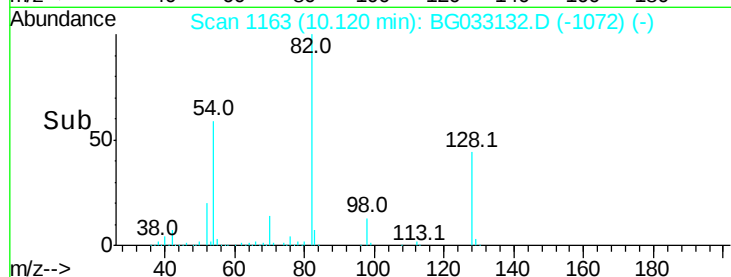
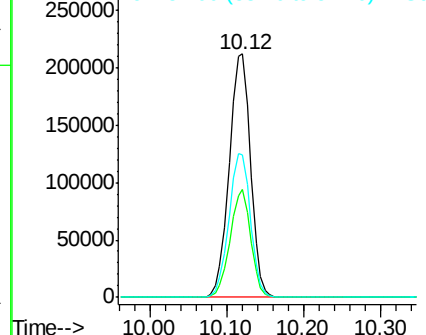
82 100

128 44.4 29.7 44.5

54 58.6 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: 6.396 ng

RT: 10.15 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

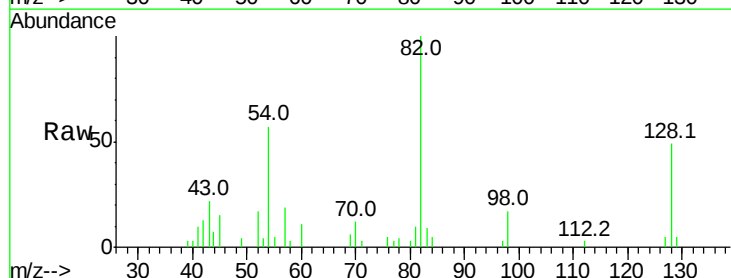
Tgt Ion: 77 Resp: 63

Ion Ratio Lower Upper

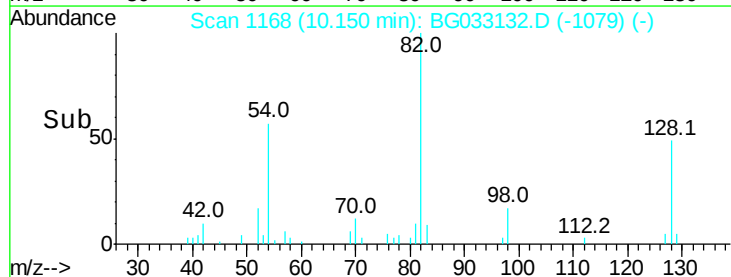
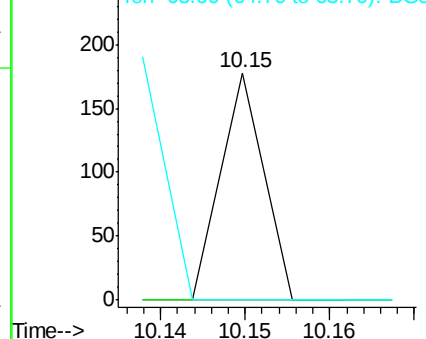
77 100

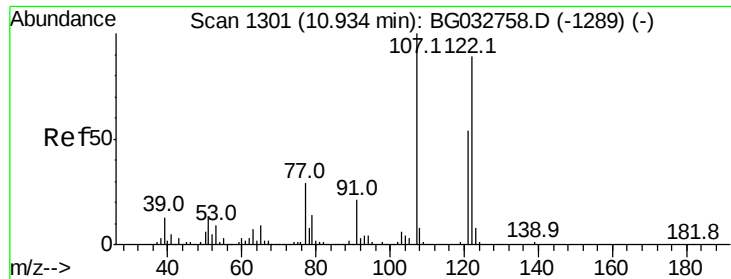
123 0.0 33.0 49.6#

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

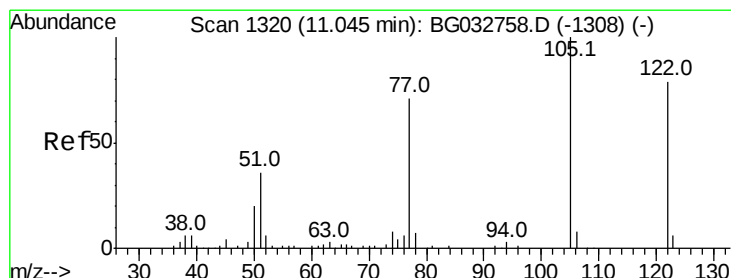
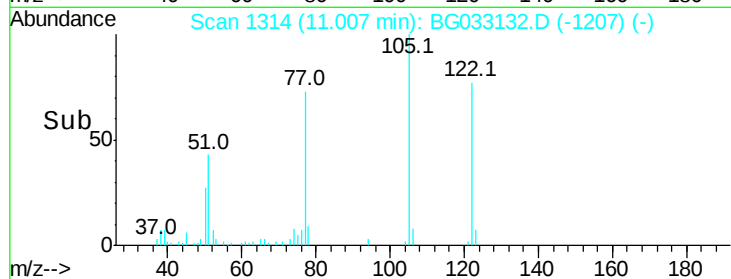
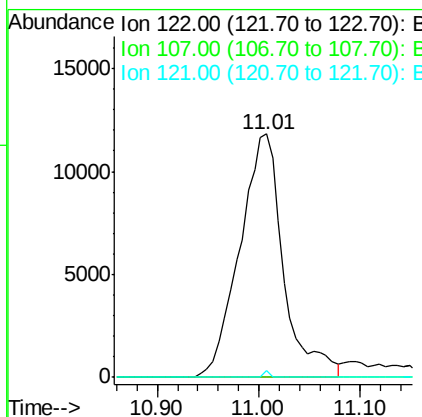
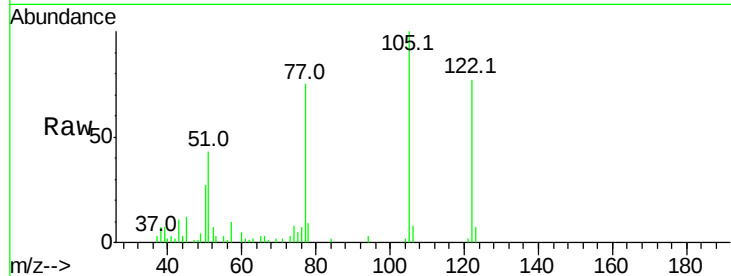




#27
2,4-Dimethylphenol
Concen: 10.616 ng
RT: 11.01 min Scan# 1314
Delta R.T. 0.10 min
Lab File: BG033132.D
Acq: 14 Mar 2018 2:13

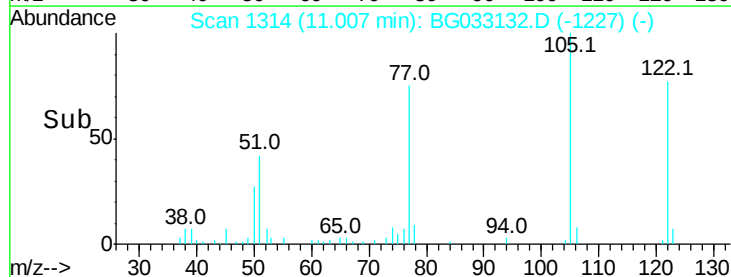
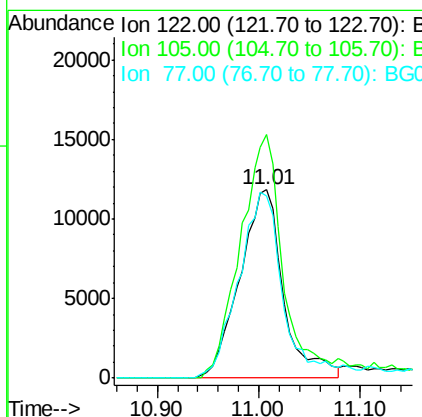
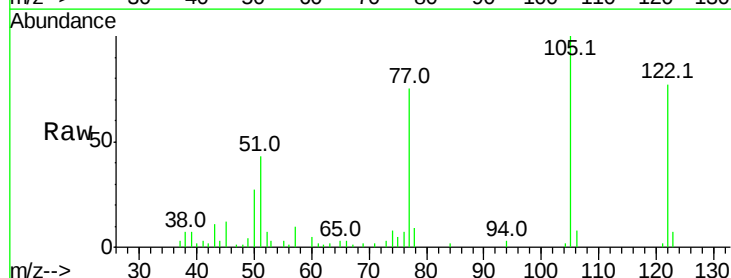
Instrument :
BNA_G
ClientSampleId :

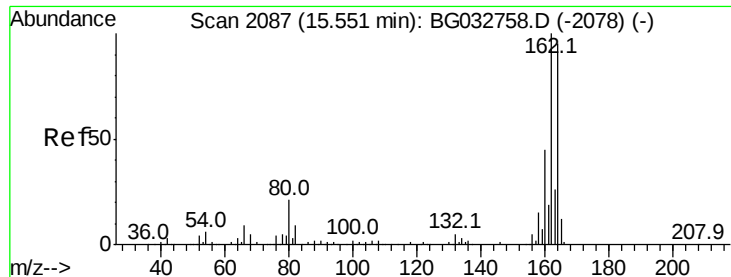
Tot Ion:122 Resp: 35403
Ion Ratio Lower Upper
122 100
107 0.0 100.2 150.2#
121 2.6 44.4 66.6#



#32
Benzoic acid
Concen: 23.711 ng
RT: 11.01 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BG033132.D
Acq: 14 Mar 2018 2:13

Tgt Ion:122 Resp: 35403
Ion Ratio Lower Upper
122 100
105 129.3 123.5 163.5
77 96.6 85.7 125.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.00 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

Instrument :

BNA_G

ClientSampleId :

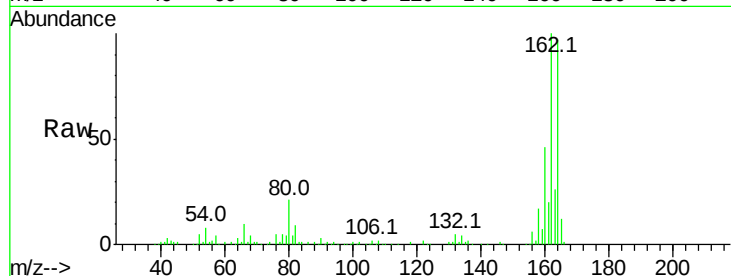
Tot Ion:164 Resp: 119754

Ion Ratio Lower Upper

164 100

162 103.1 78.8 118.2

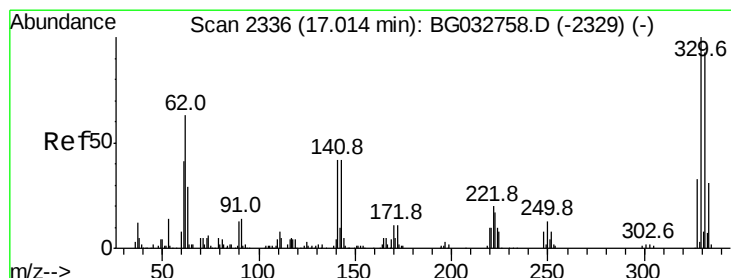
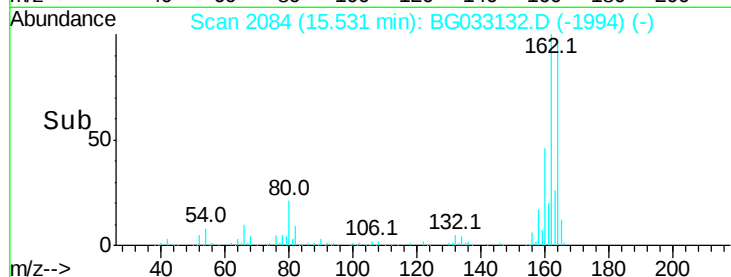
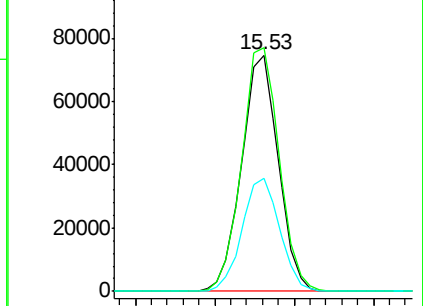
160 47.7 35.4 53.0



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: 157.087 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.00 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

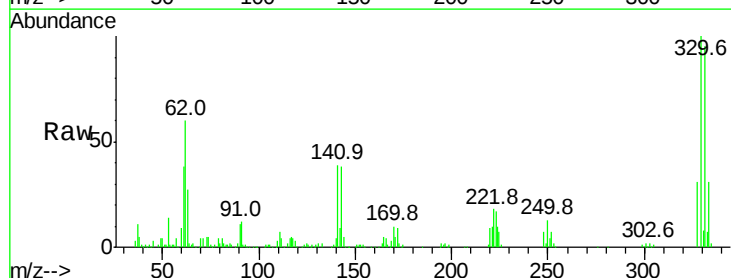
Tgt Ion:330 Resp: 197800

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

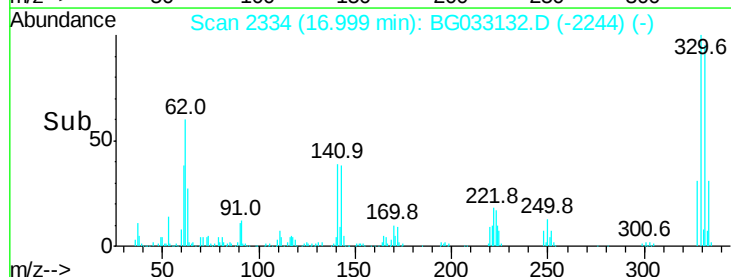
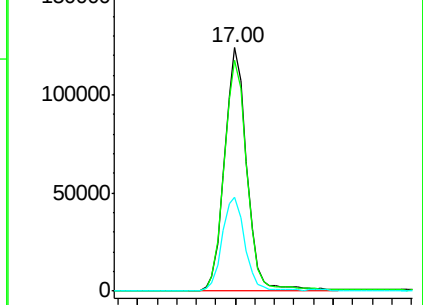
141 39.4 25.2 37.8#

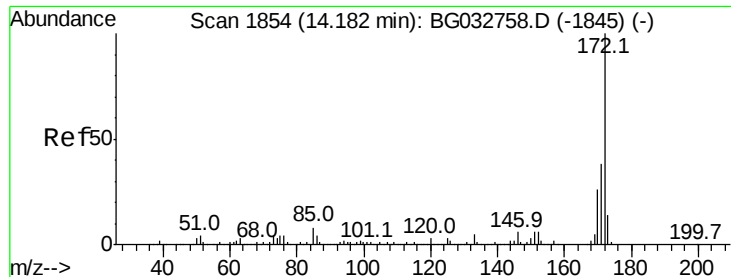


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

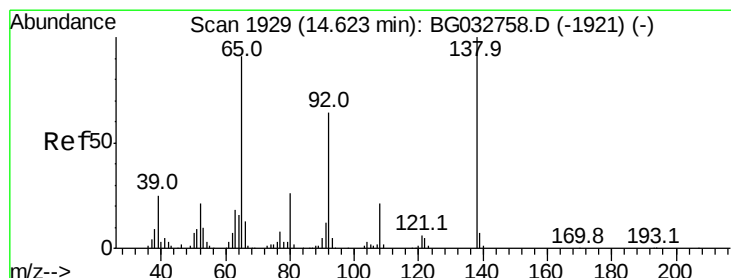
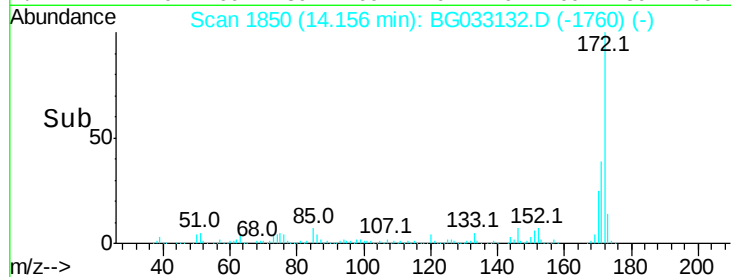
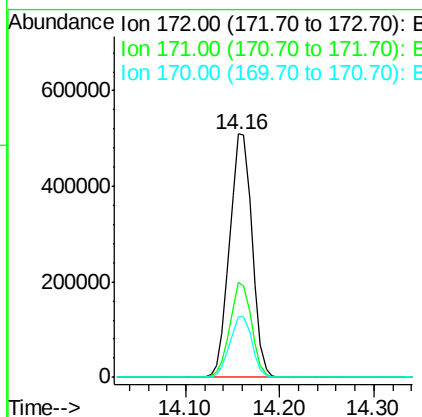
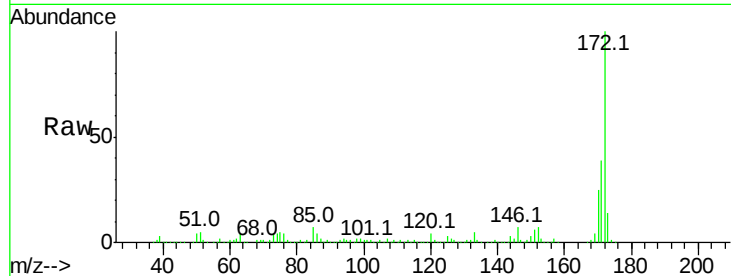




#44
 2-Fluorobiphenyl
 Concen: 101.809 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BG033132.D
 Acq: 14 Mar 2018 2:13

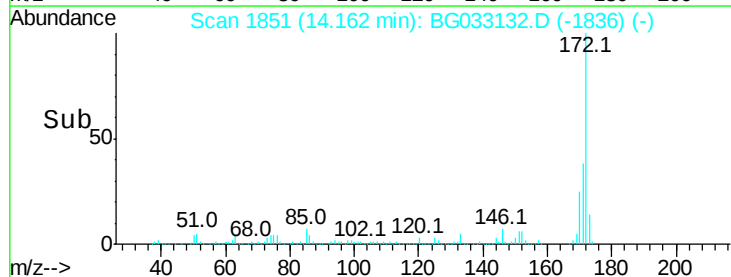
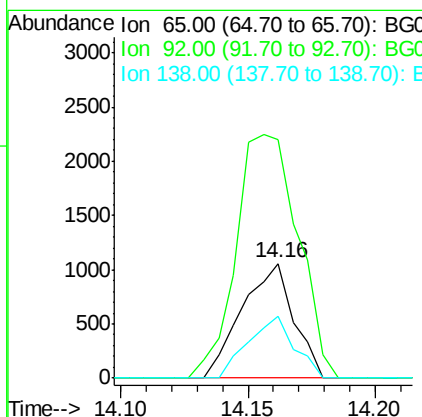
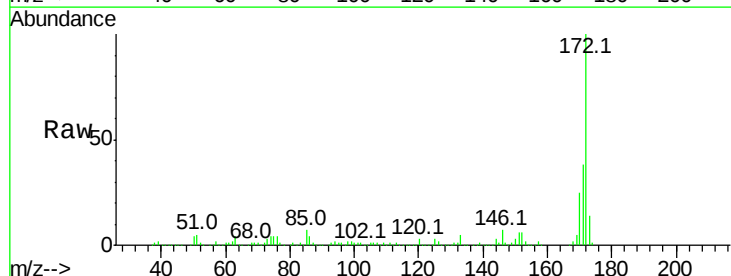
Instrument :
 BNA_G
 ClientSampleId :

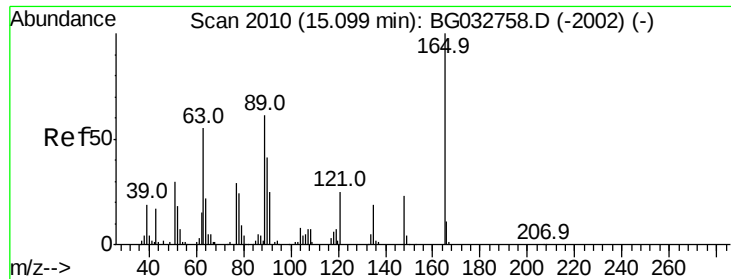
Tot Ion:172 Resp: 845343
 Ion Ratio Lower Upper
 172 100
 171 39.2 30.0 45.0
 170 25.1 19.5 29.3



#47
 2-Nitroaniline
 Concen: 10.441 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.44 min
 Lab File: BG033132.D
 Acq: 14 Mar 2018 2:13

Tgt Ion: 65 Resp: 1502
 Ion Ratio Lower Upper
 65 100
 92 207.6 54.6 82.0#
 138 53.5 72.9 109.3#





#50

2,6-Dinitrotoluene

Concen: 16.497 ng

RT: 15.52 min Scan# 2083

Delta R.T. 0.44 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

Instrument :

BNA_G

ClientSampleId :

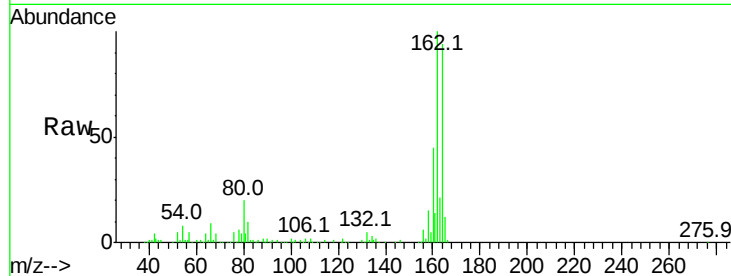
Tot Ion:165 Resp: 15700

Ion Ratio Lower Upper

165 100

63 2.0 52.7 79.1#

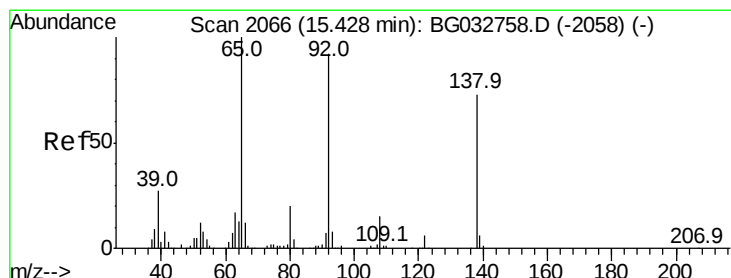
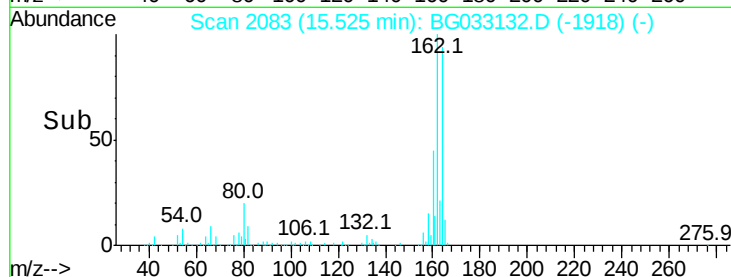
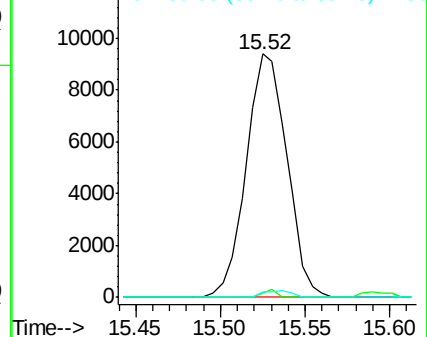
89 2.1 49.2 73.8#



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



#52

3-Nitroaniline

Concen: 7.565 ng

RT: 15.72 min Scan# 2117

Delta R.T. 0.31 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

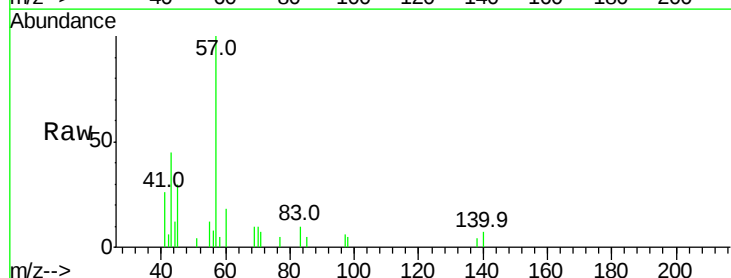
Tgt Ion:138 Resp: 54

Ion Ratio Lower Upper

138 100

108 0.0 17.5 26.3#

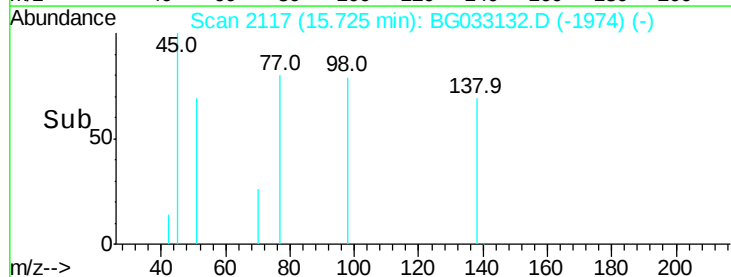
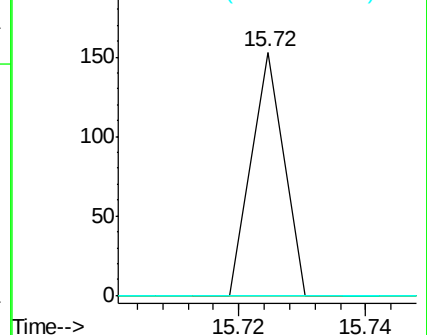
92 0.0 105.8 158.8#

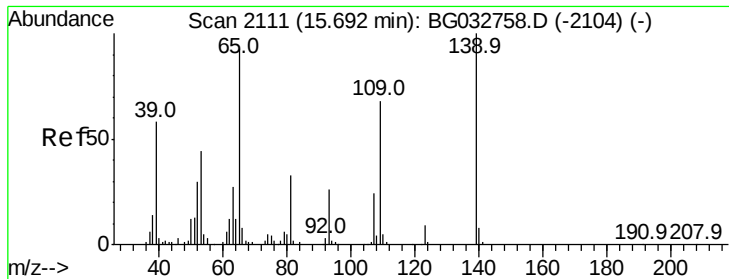


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





#55

4-Nitrophenol

Concen: 7.163 ng

RT: 15.75 min Scan# 2121

Delta R.T. 0.07 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

Instrument :

BNA_G

ClientSampleId :

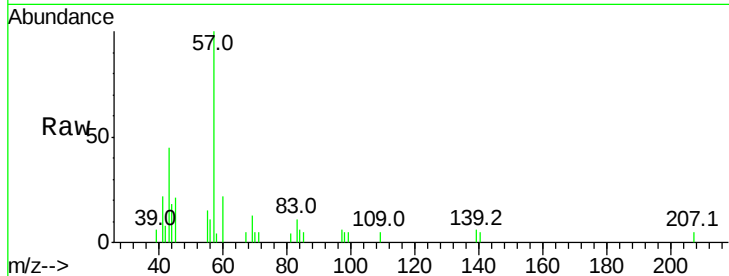
Tot Ion:139 Resp: 150

Ion Ratio Lower Upper

139 100

109 80.3 62.2 102.2

65 0.0 97.2 137.2#



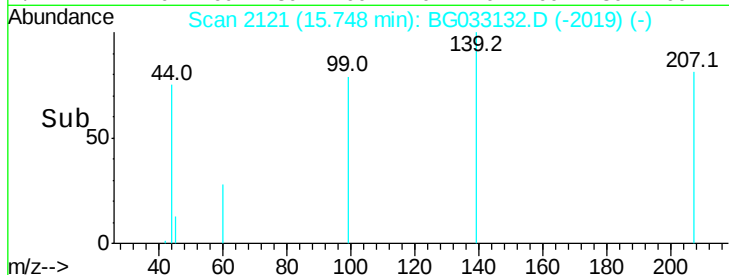
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

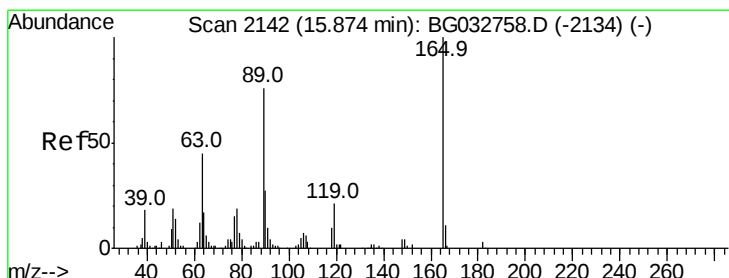
Ion 65.00 (64.70 to 65.70): BGC

15.75

15.72 15.74 15.76



Time-->



#56

2,4-Dinitrotoluene

Concen: 14.696 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.33 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

Tgt Ion:165 Resp: 15700

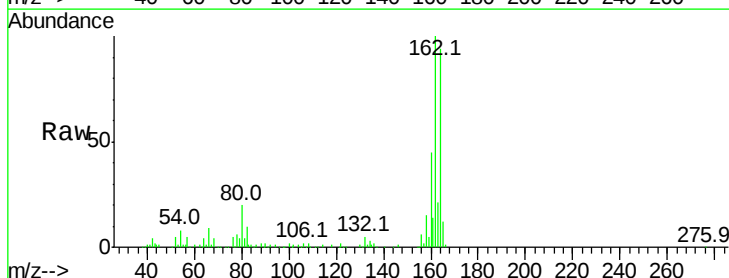
Ion Ratio Lower Upper

165 100

63 2.0 42.0 63.0#

89 2.1 66.9 100.3#

182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E

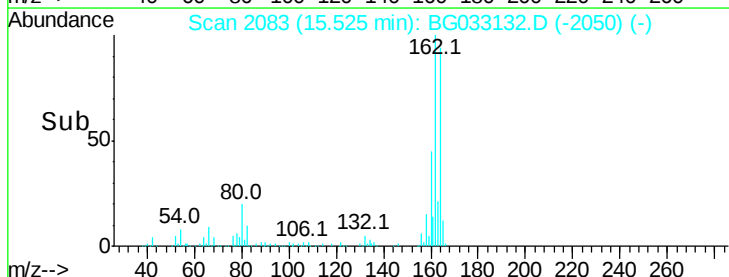
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

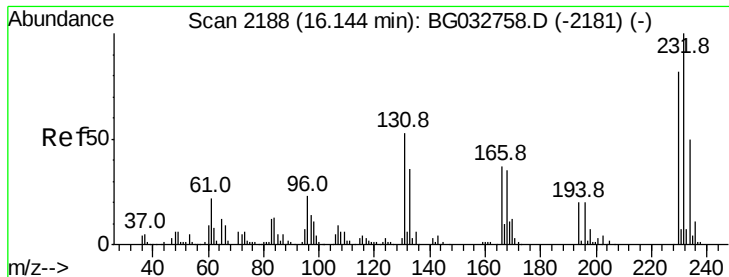
Ion 182.00 (181.70 to 182.70): E

15.52

15.45 15.50 15.55 15.60



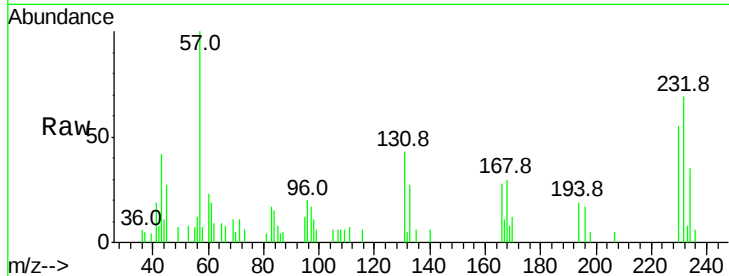
Time-->



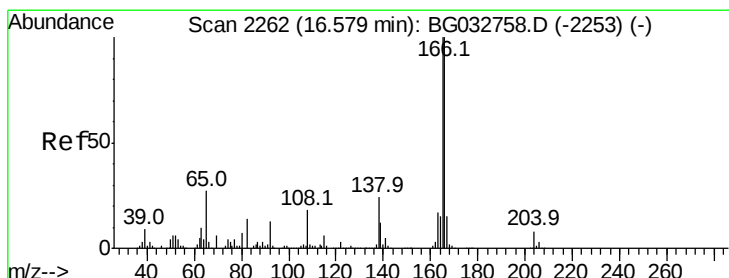
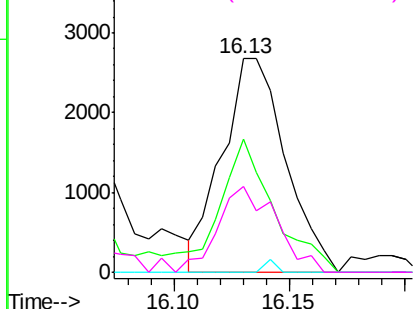
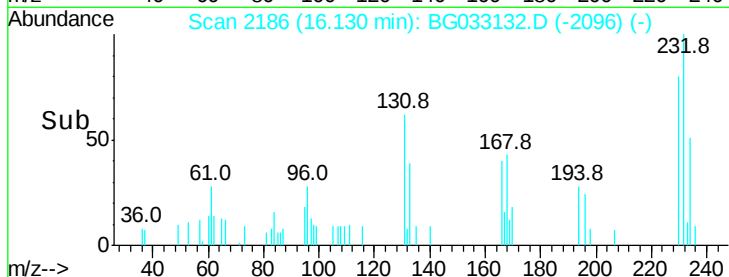
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 2.540 ng
 RT: 16.13 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: BG033132.D
 Acq: 14 Mar 2018 2:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:232 Resp: 5116
 Ion Ratio Lower Upper
 232 100
 131 52.8 33.5 50.3#
 130 1.1 2.2 3.2#
 166 36.9 24.8 37.2

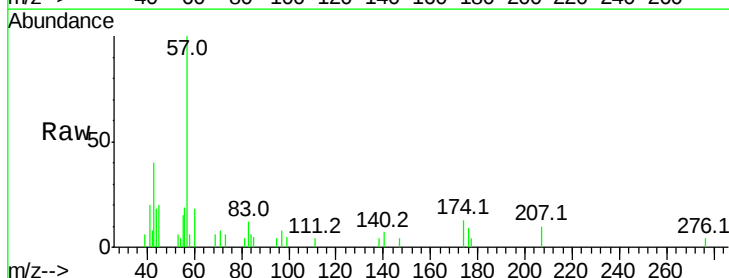


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

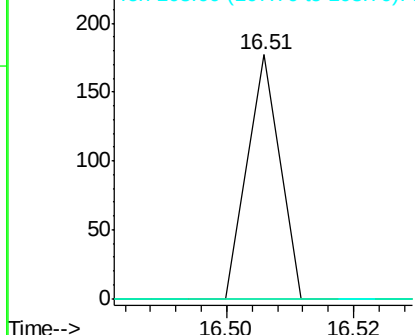
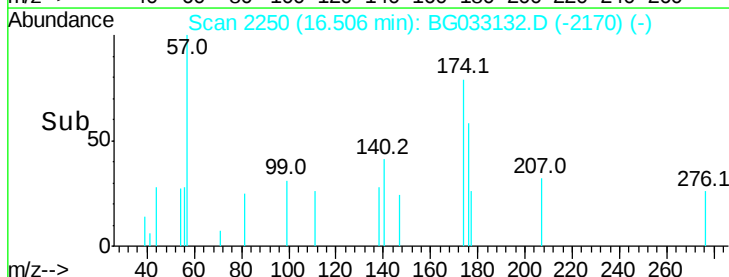


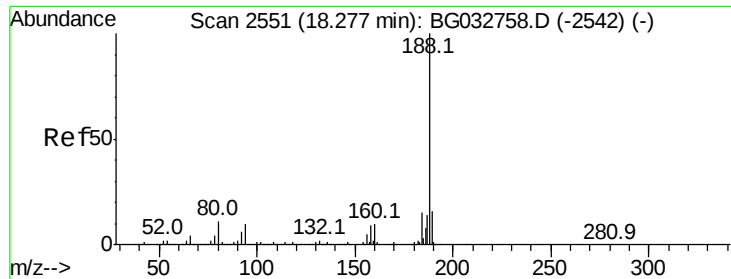
#61
 4-Nitroaniline
 Concen: 5.325 ng
 RT: 16.51 min Scan# 2250
 Delta R.T. -0.06 min
 Lab File: BG033132.D
 Acq: 14 Mar 2018 2:13

Tgt Ion:138 Resp: 62
 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): BG
 Ion 108.00 (107.70 to 108.70): E

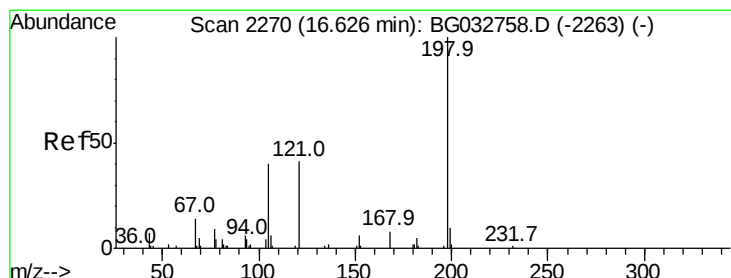
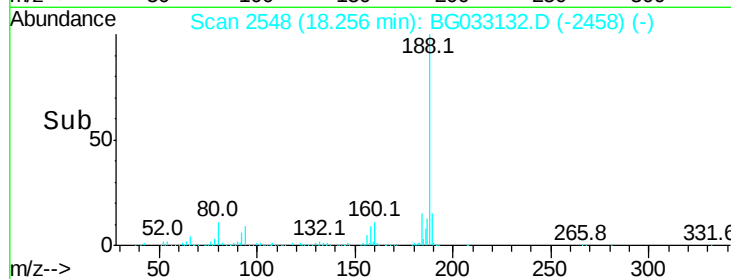
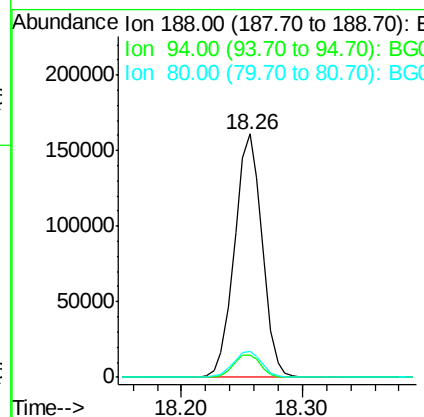
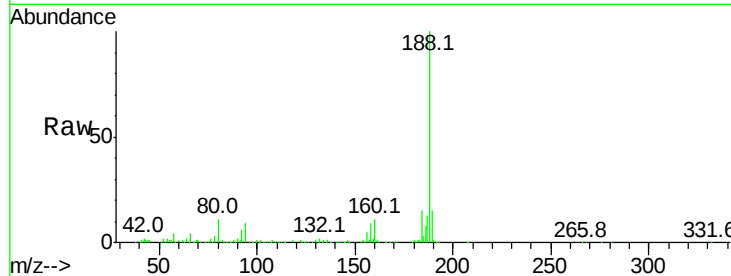




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: BG033132.D
 Acq: 14 Mar 2018 2:13

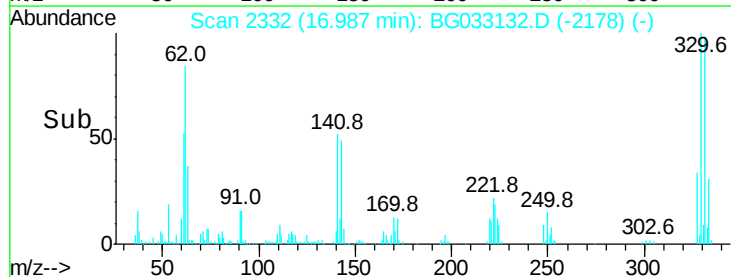
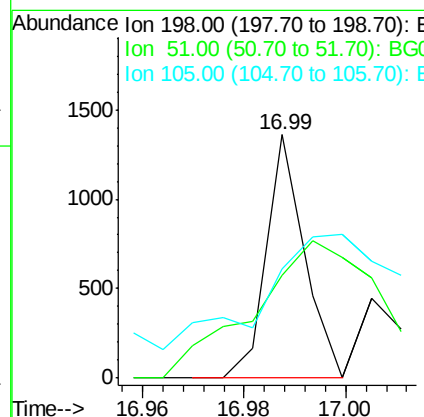
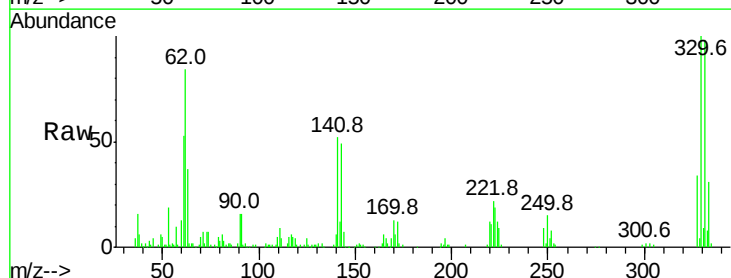
Instrument :
 BNA_G
 ClientSampleId :

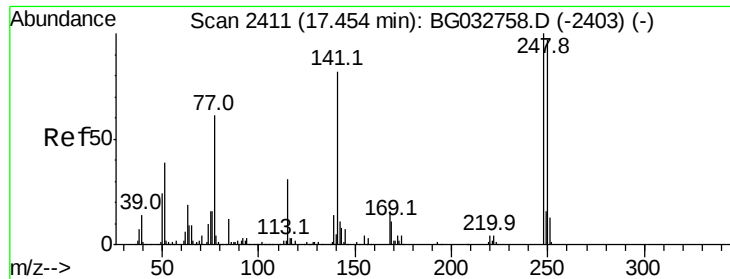
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.9	10.3
80	10.8	7.7	11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.110 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. 0.38 min
 Lab File: BG033132.D
 Acq: 14 Mar 2018 2:13

Tgt Ion	Ratio	Lower	Upper
198	100		
51	42.2	30.6	70.6
105	45.0	23.8	63.8

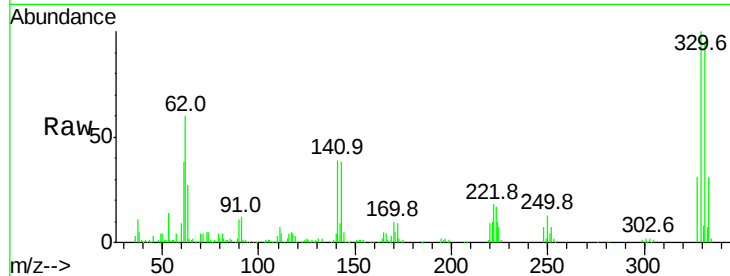




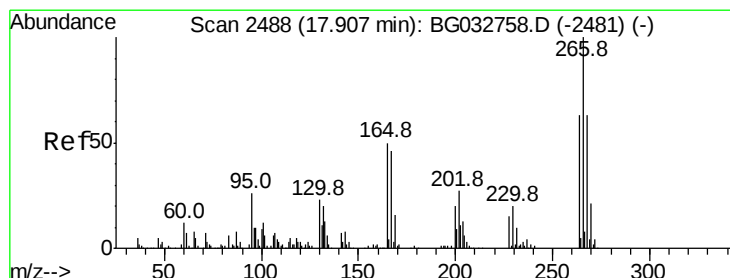
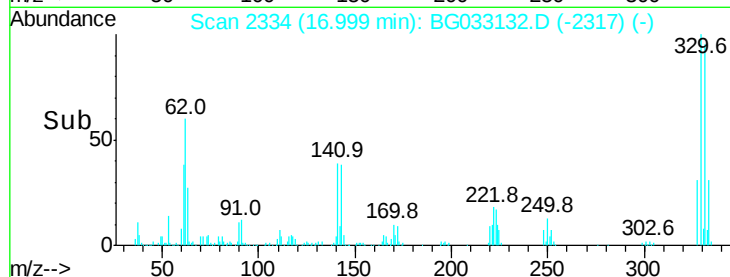
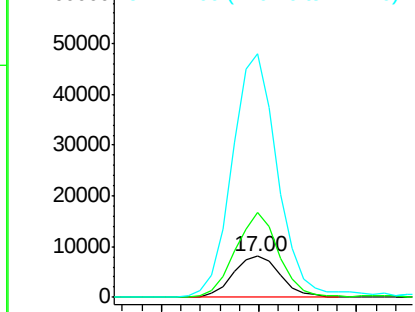
#66
4-Bromophenyl-phenylether
Concen: 4.972 ng
RT: 17.00 min Scan# 2334
Delta R.T. -0.43 min
Lab File: BG033132.D
Acq: 14 Mar 2018 2:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 13430
Ion Ratio Lower Upper
248 100
250 207.0 77.1 115.7#
141 594.9 50.8 76.2#

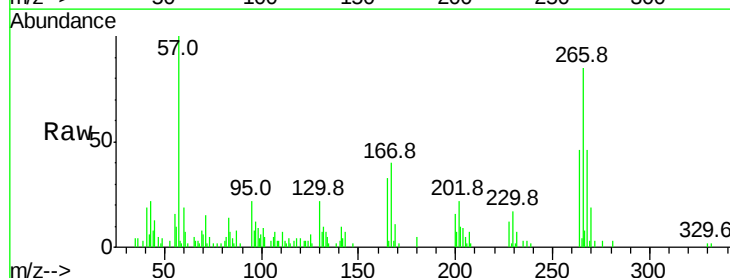


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

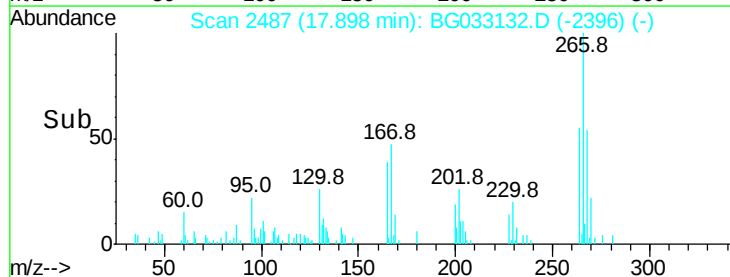
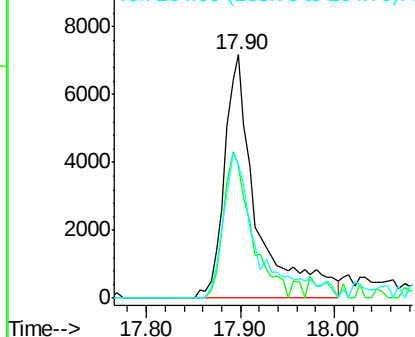


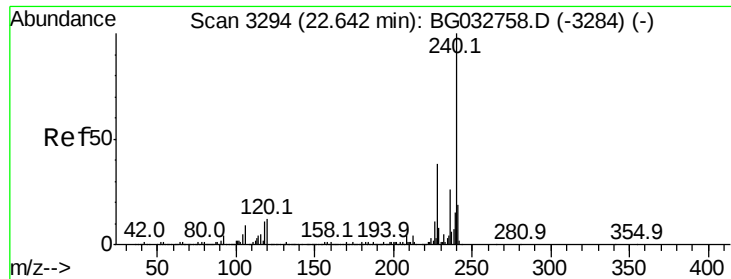
#69
Pentachlorophenol
Concen: 9.264 ng
RT: 17.90 min Scan# 2487
Delta R.T. 0.01 min
Lab File: BG033132.D
Acq: 14 Mar 2018 2:13

Tgt Ion:266 Resp: 17032
Ion Ratio Lower Upper
266 100
268 54.1 51.1 76.7
264 54.8 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: 22.61 min Scan# 3289

Delta R.T. 0.00 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

Instrument :

BNA_G

ClientSampled :

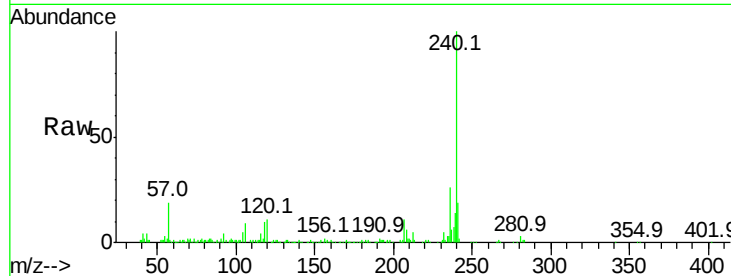
Tot Ion:240 Resp: 242227

Ion Ratio Lower Upper

240 100

120 11.1 6.8 10.2#

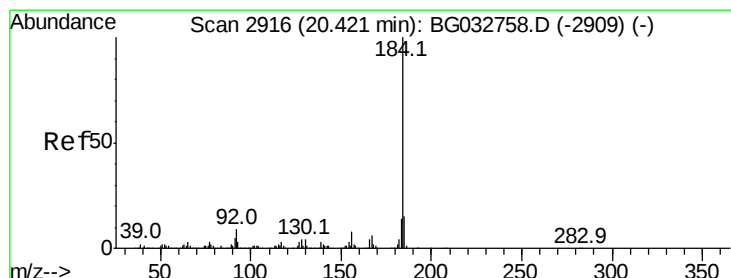
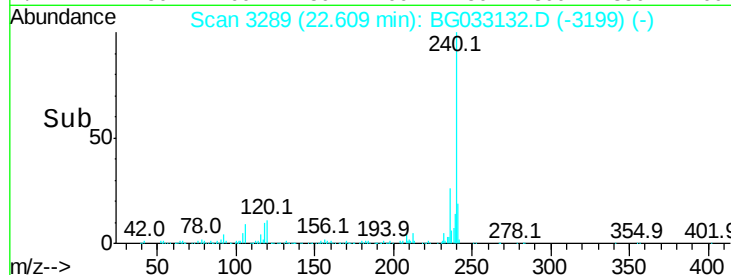
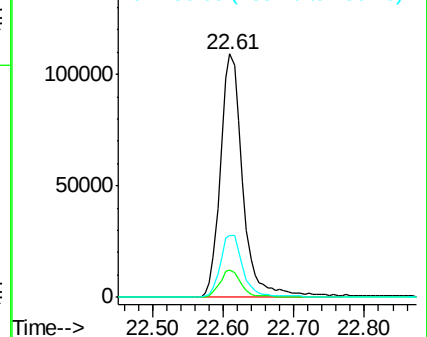
236 25.6 20.9 31.3



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: 4.304 ng

RT: 20.41 min Scan# 2914

Delta R.T. 0.00 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

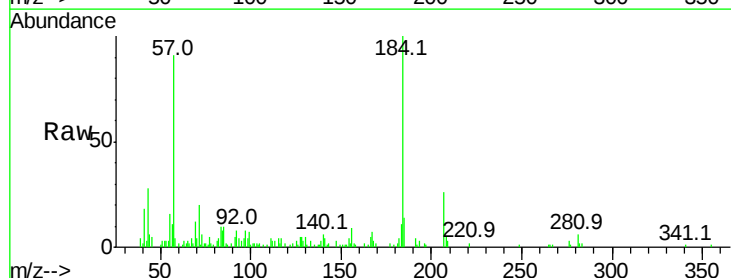
Tgt Ion:184 Resp: 35533

Ion Ratio Lower Upper

184 100

185 14.1 11.1 16.7

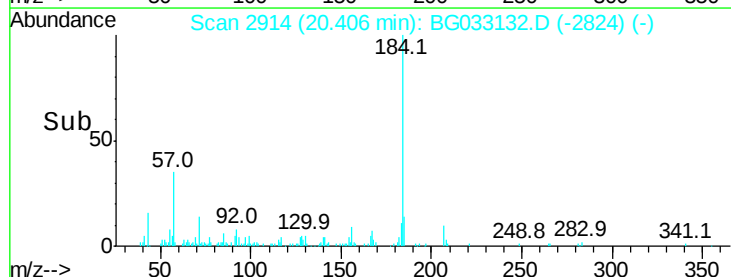
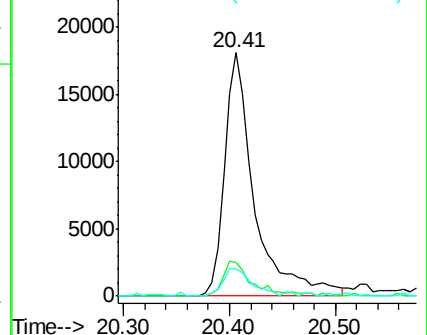
183 11.4 10.6 16.0

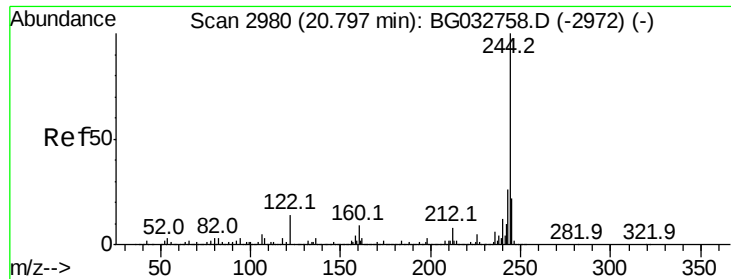


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 107.333 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

Instrument :

BNA_G

ClientSampleId :

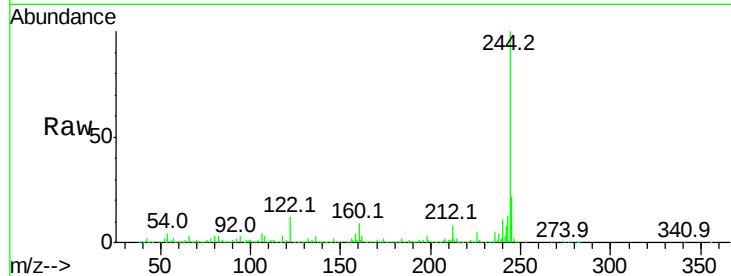
Tot Ion:244 Resp: 1157190

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

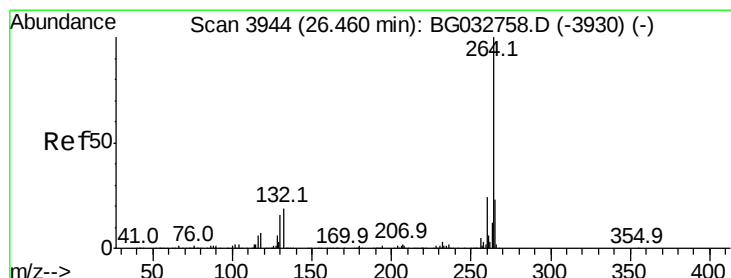
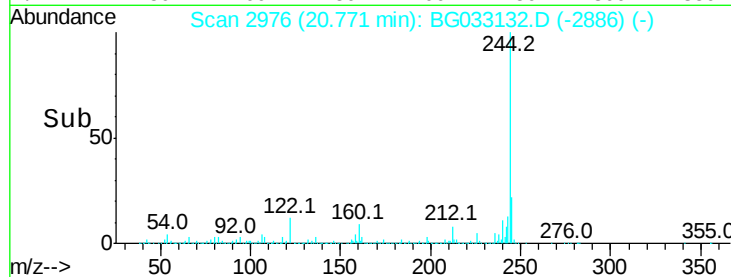
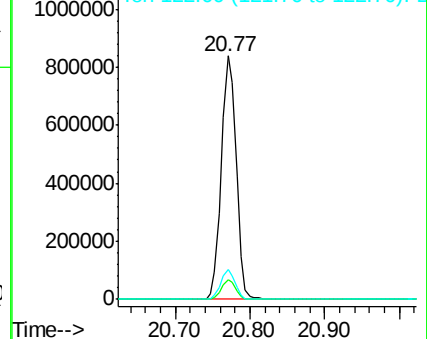
122 12.3 7.0 10.4#



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: 26.42 min Scan# 3938

Delta R.T. 0.01 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

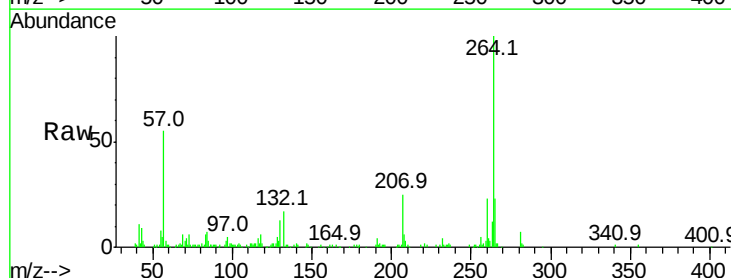
Tgt Ion:264 Resp: 215152

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 22.8 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

