

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030518\
 Data File : BG033009.D
 Acq On : 6 Mar 2018 4:38
 Operator : SJ/JU
 Sample : J1783-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 06 06:56:58 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	60194	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	272960	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	157766	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	336401	20.00	ng	0.00
75) Chrysene-d12	22.61	240	301613	20.00	ng	0.00
86) Perylene-d12	26.41	264	313802	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	361746	96.15	ng	0.00
7) Phenol-d6	8.01	99	587772	112.08	ng	0.00
23) Nitrobenzene-d5	10.11	82	464473	114.23	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	234087	141.11	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1042005	95.26	ng	0.00
78) Terphenyl-d14	20.77	244	1386505	103.28	ng	0.00

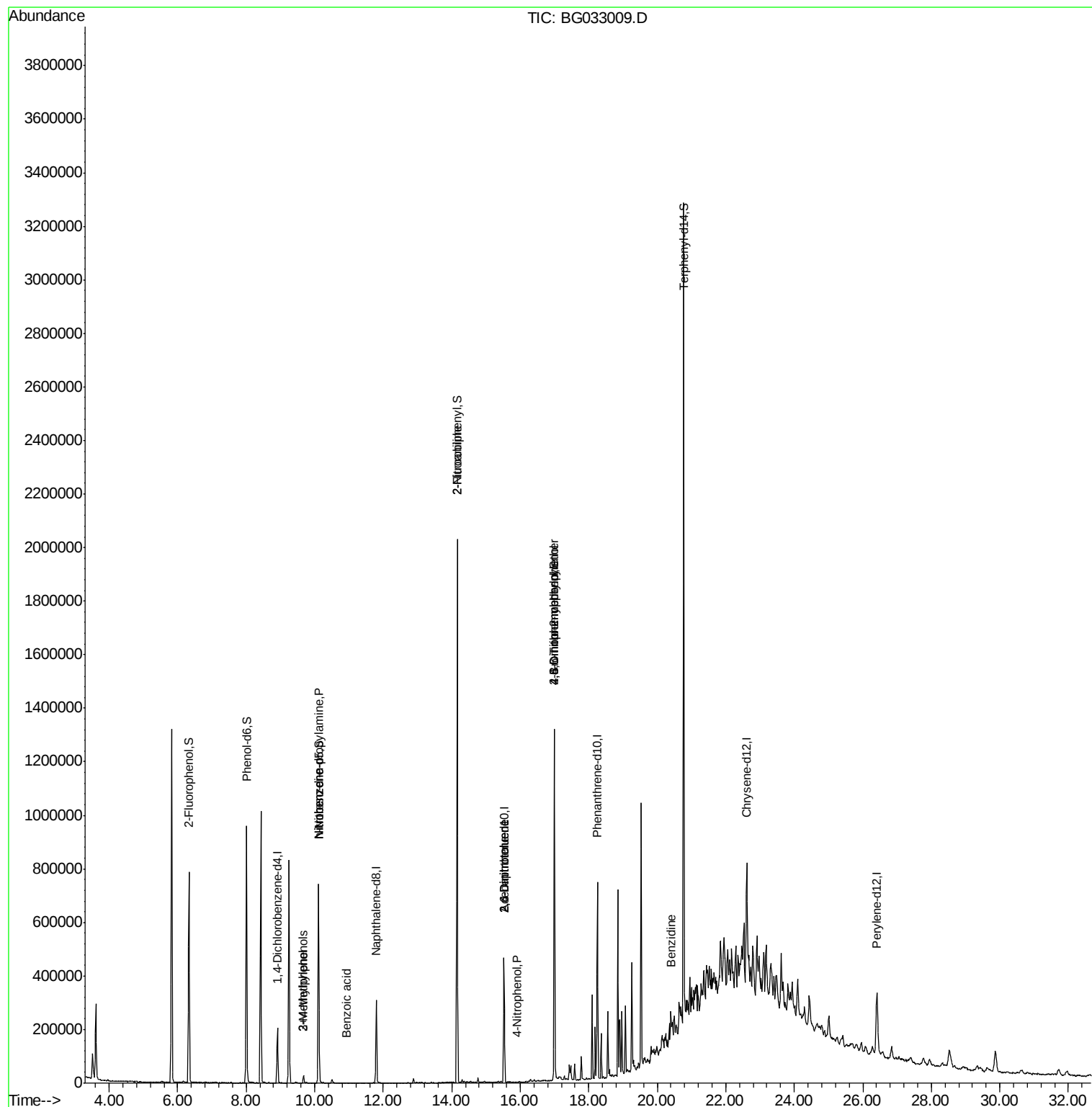
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) 2-Methylphenol	9.67	107	13009	3.337	ng	# 75
19) n-Nitroso-di-n-propylamine	10.11	70	60449	16.327	ng	# 86
20) 3+4-Methylphenols	9.67	107	13009	2.400	ng	95
24) Nitrobenzene	10.10	77	1307	6.641	ng	# 30
32) Benzoic acid	10.92	122	79	5.852	ng	# 1
47) 2-Nitroaniline	14.16	65	2182	10.504	ng	# 8
50) 2,6-Dinitrotoluene	15.53	165	19945	16.226	ng	# 20
55) 4-Nitrophenol	15.91	139	252	7.185	ng	# 34
56) 2,4-Dinitrotoluene	15.53	165	19945	14.423	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	646	5.764	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	17139	4.818	ng	# 1
76) Benzidine	20.40	184	53114	5.166	ng	97

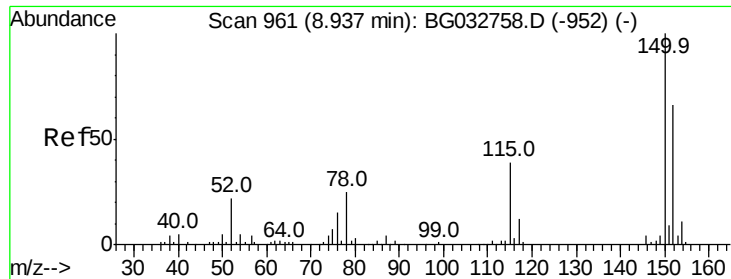
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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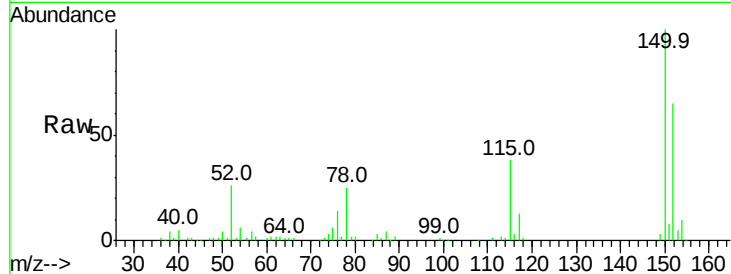


#1

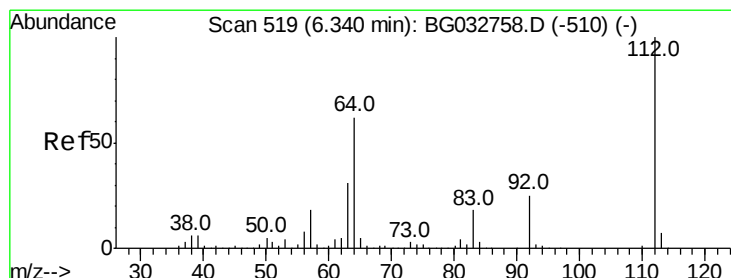
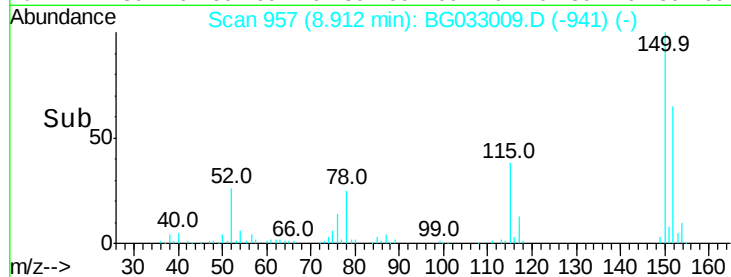
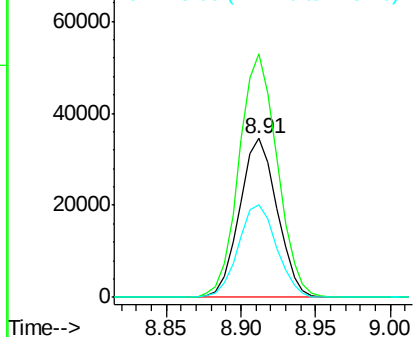
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.01 min
Lab File: BG033009.D
Acq: 6 Mar 2018 4:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 60194
Ion Ratio Lower Upper
152 100
150 153.4 126.6 189.8
115 58.5 53.0 79.4



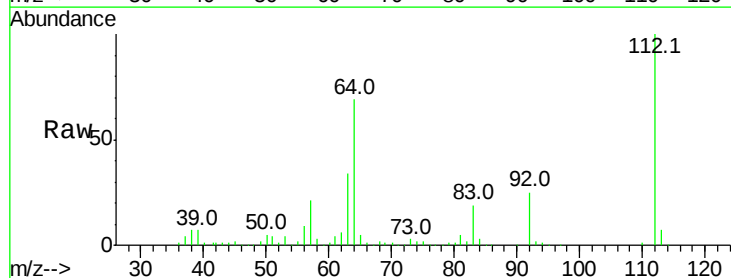
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



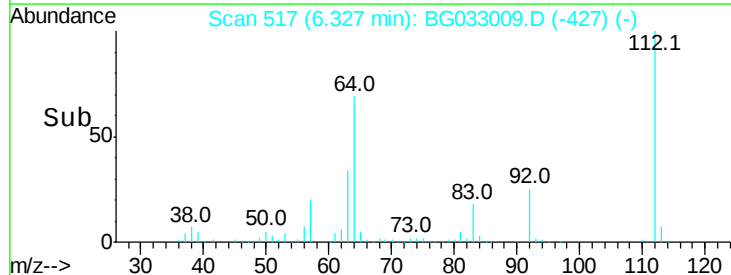
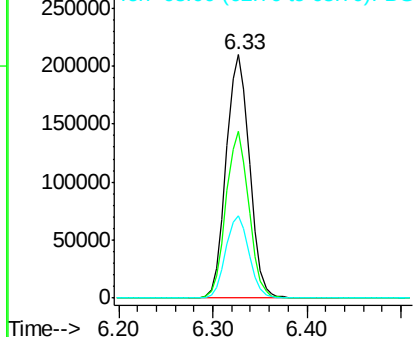
#5

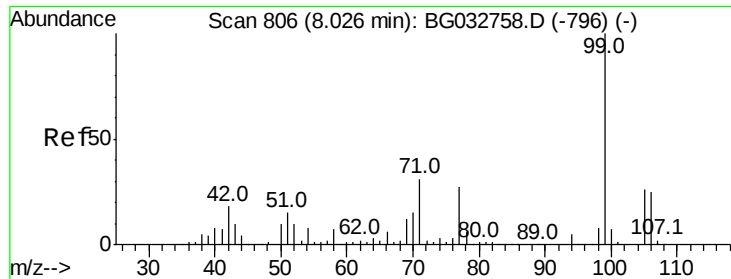
2-Fluorophenol
Concen: 96.146 ng
RT: 6.33 min Scan# 517
Delta R.T. -0.00 min
Lab File: BG033009.D
Acq: 6 Mar 2018 4:38

Tgt Ion:112 Resp: 361746
Ion Ratio Lower Upper
112 100
64 68.7 56.3 84.5
63 34.0 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: 112.077 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG033009.D

Acq: 6 Mar 2018 4:38

Instrument :

BNA_G

ClientSampleId :

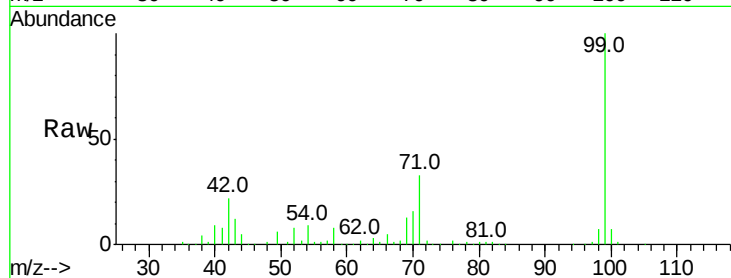
Tot Ion: 99 Resp: 587772

Ion Ratio Lower Upper

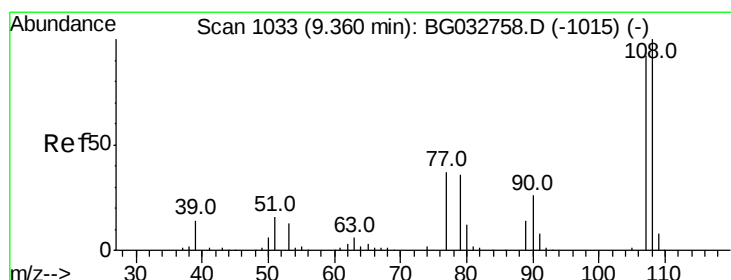
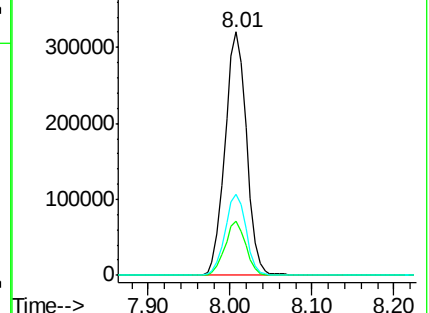
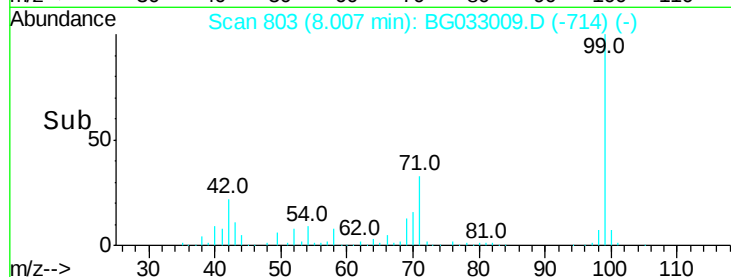
99 100

42 22.1 14.1 21.1#

71 33.1 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



#17

2-Methylphenol

Concen: 3.337 ng

RT: 9.67 min Scan# 1086

Delta R.T. 0.33 min

Lab File: BG033009.D

Acq: 6 Mar 2018 4:38

Tgt Ion:107 Resp: 13009

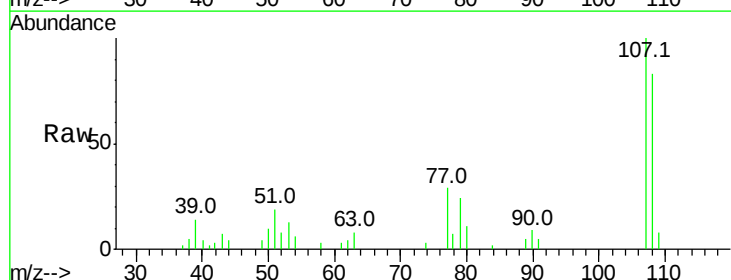
Ion Ratio Lower Upper

107 100

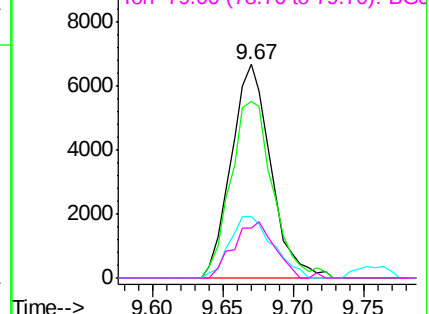
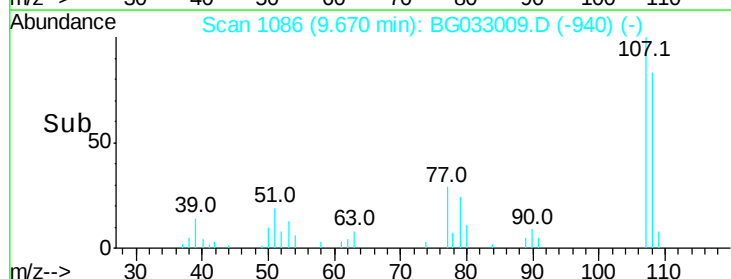
108 82.8 83.9 125.9#

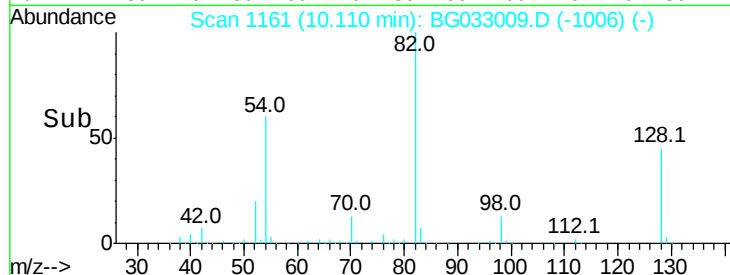
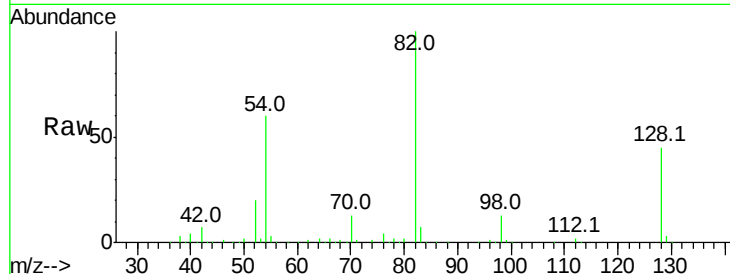
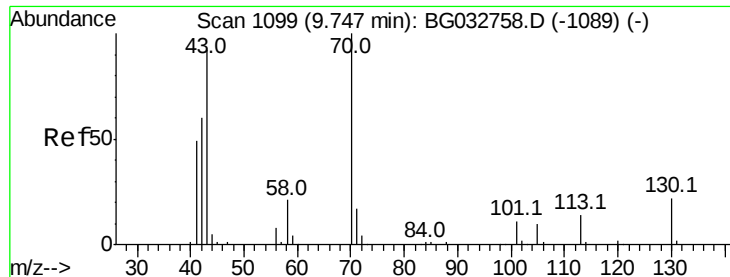
77 28.7 37.2 55.8#

79 23.5 36.2 54.2#



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

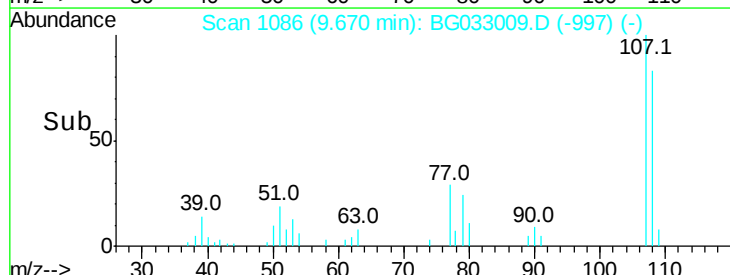
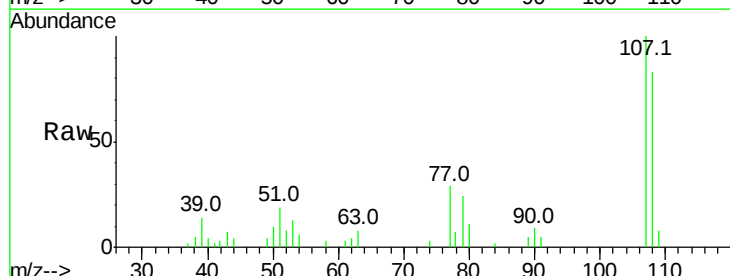
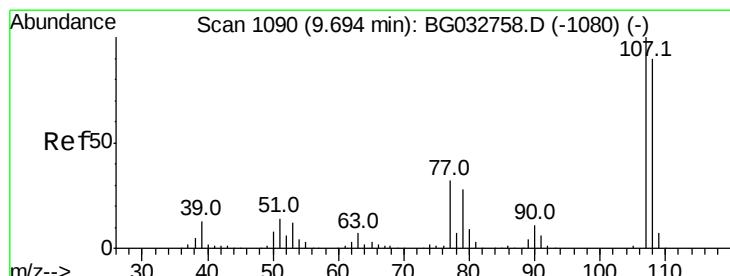
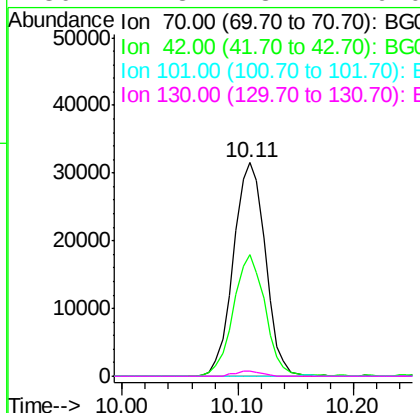




#19
n-Nitroso-di-n-propylamine
Concen: 16.327 ng
RT: 10.11 min Scan# 1161
Delta R.T. 0.38 min
Lab File: BG033009.D
Acq: 6 Mar 2018 4:38

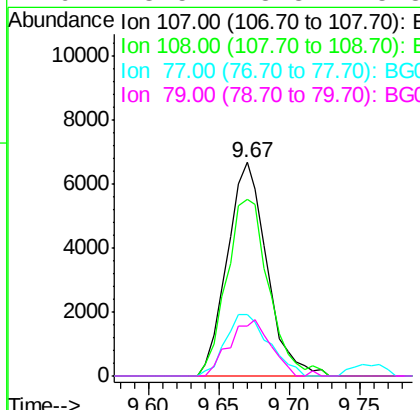
Instrument :
BNA_G
ClientSampled :

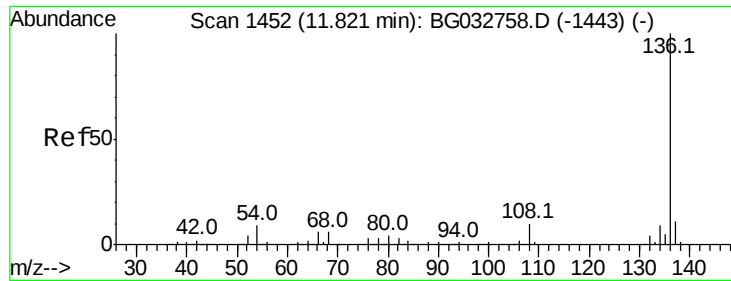
Tot Ion: 70 Resp: 60449
Ion Ratio Lower Upper
70 100
42 56.7 49.1 73.7
101 0.0 8.5 12.7#
130 2.3 13.4 20.0#



#20
3+4-Methylphenols
Concen: 2.400 ng
RT: 9.67 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BG033009.D
Acq: 6 Mar 2018 4:38

Tgt Ion: 107 Resp: 13009
Ion Ratio Lower Upper
107 100
108 82.8 61.6 101.6
77 28.7 13.9 53.9
79 23.5 8.8 48.8

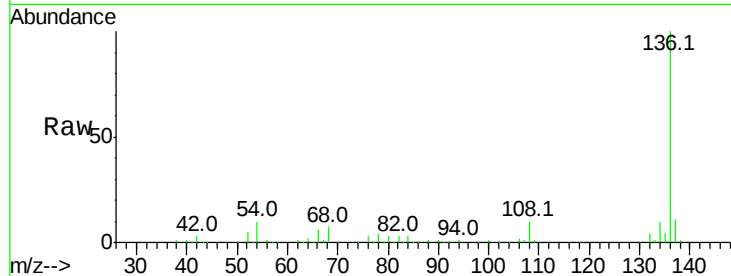




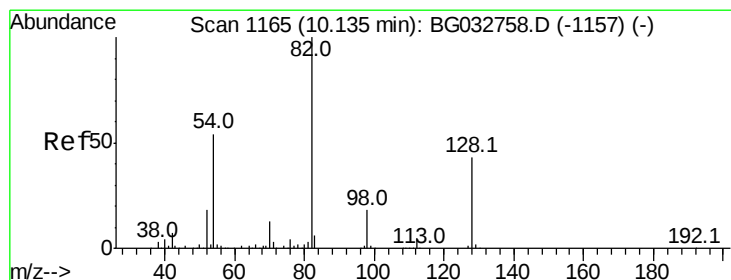
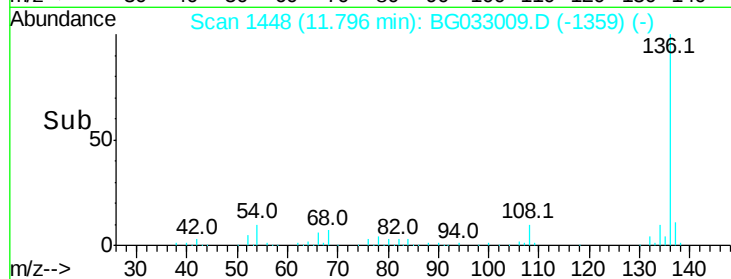
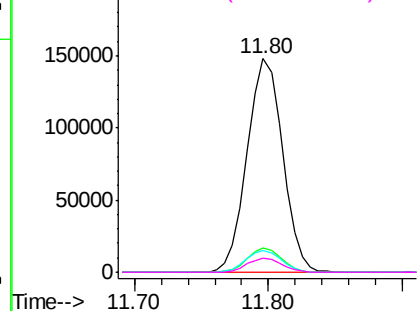
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG033009.D
Acq: 6 Mar 2018 4:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	272960
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	10.4	10.3	15.5
68	6.7	4.5	6.7

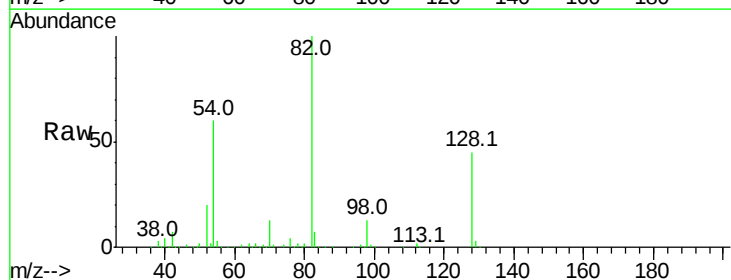


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

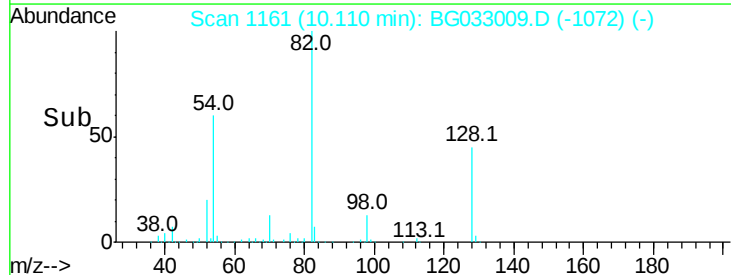
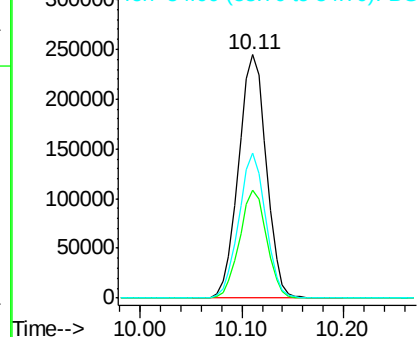


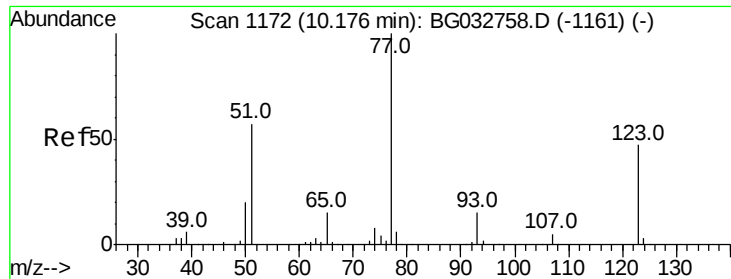
#23
Nitrobenzene-d5
Concen: 114.226 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG033009.D
Acq: 6 Mar 2018 4:38

Tgt Ion:	82	Resp:	464473
Ion	Ratio	Lower	Upper
82	100		
128	44.5	29.7	44.5#
54	59.6	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: 6.641 ng

RT: 10.10 min Scan# 1160

Delta R.T. -0.06 min

Lab File: BG033009.D

Acq: 6 Mar 2018 4:38

Instrument :

BNA_G

ClientSampleId :

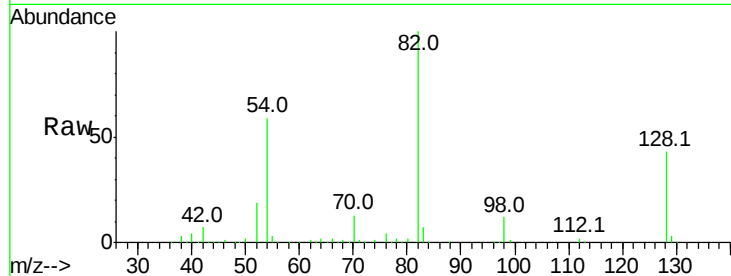
Tot Ion: 77 Resp: 1307

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

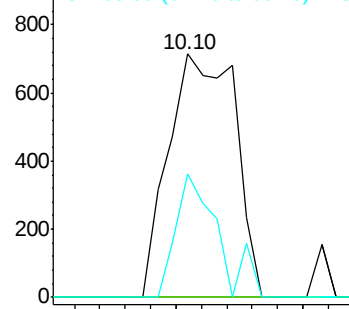
65 50.6 13.0 19.6#



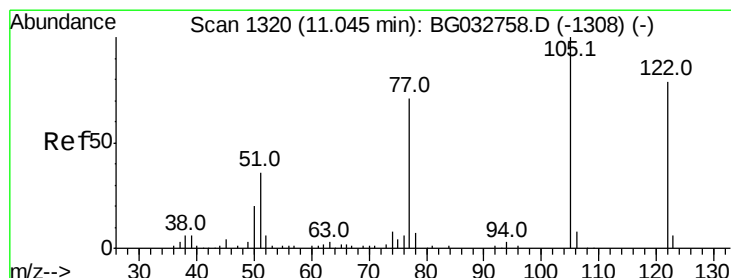
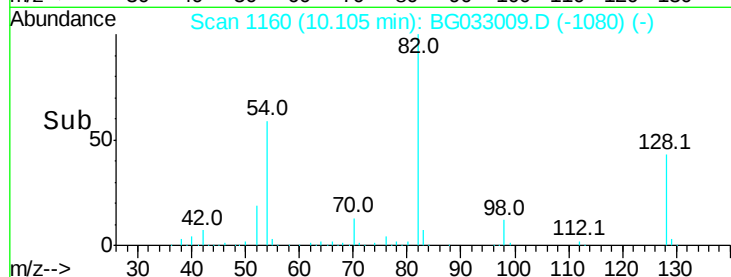
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



Time-->



#32

Benzoic acid

Concen: 5.852 ng

RT: 10.92 min Scan# 1299

Delta R.T. -0.10 min

Lab File: BG033009.D

Acq: 6 Mar 2018 4:38

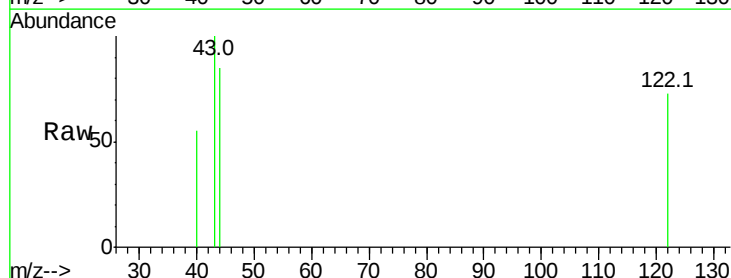
Tgt Ion: 122 Resp: 79

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

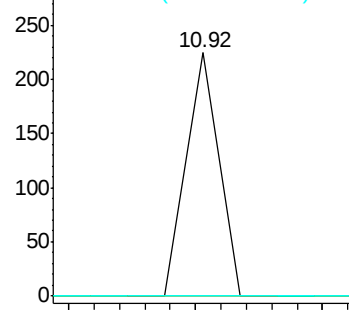
77 0.0 85.7 125.7#



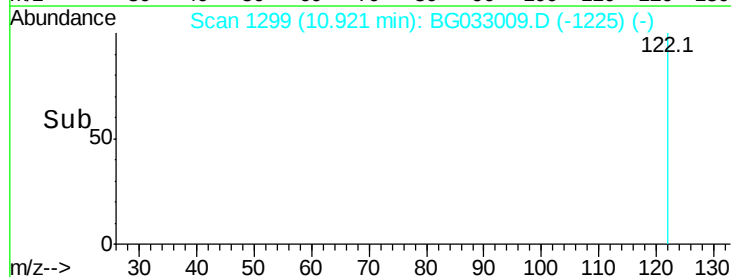
Abundance Ion 122.00 (121.70 to 122.70): BGC

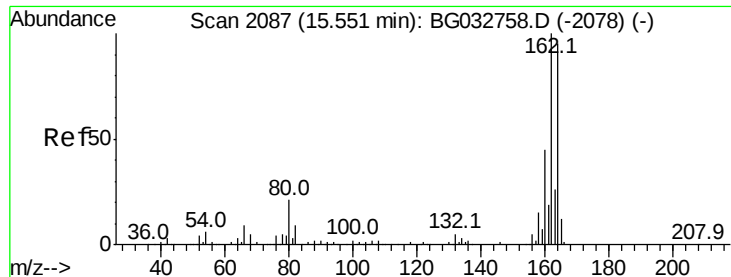
Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



Time-->





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG033009.D

Acq: 6 Mar 2018 4:38

Instrument :

BNA_G

ClientSampleId :

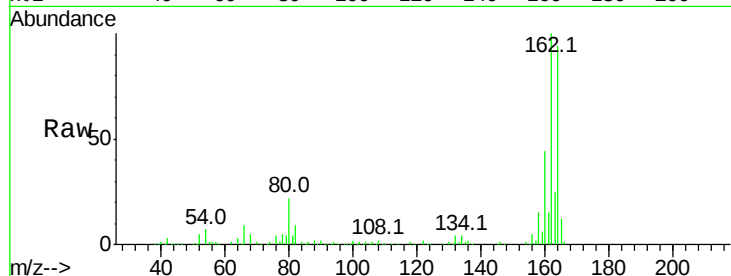
Tot Ion:164 Resp: 157766

Ion Ratio Lower Upper

164 100

162 106.7 78.8 118.2

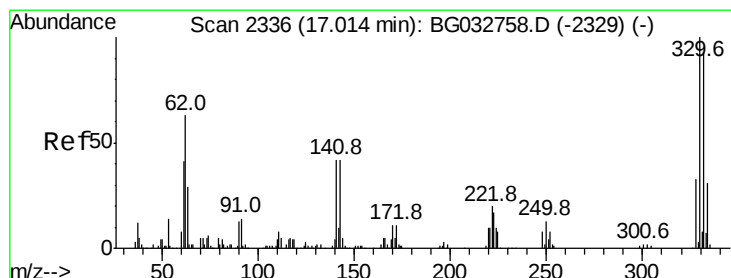
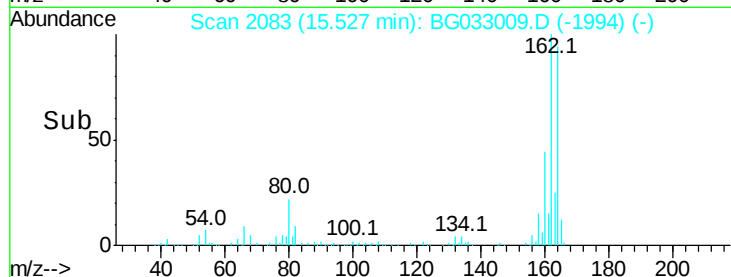
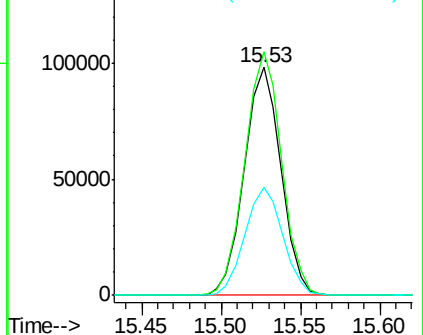
160 47.1 35.4 53.0



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: 141.114 ng

RT: 17.00 min Scan# 2333

Delta R.T. -0.01 min

Lab File: BG033009.D

Acq: 6 Mar 2018 4:38

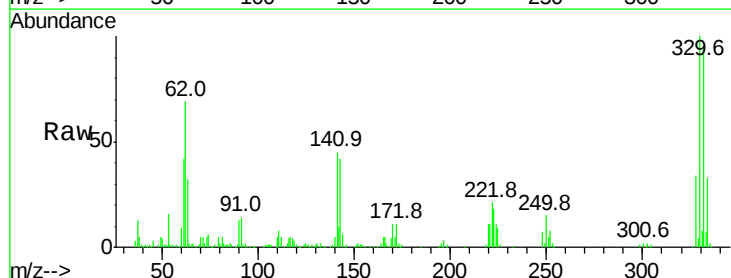
Tgt Ion:330 Resp: 234087

Ion Ratio Lower Upper

330 100

332 94.4 77.0 115.6

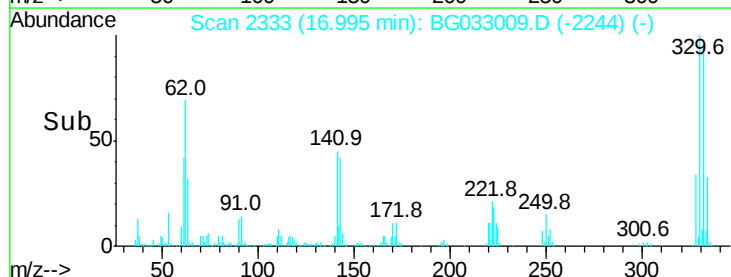
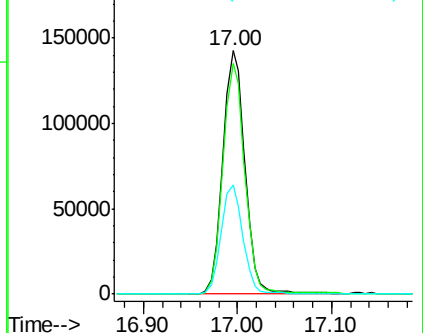
141 44.3 25.2 37.8#

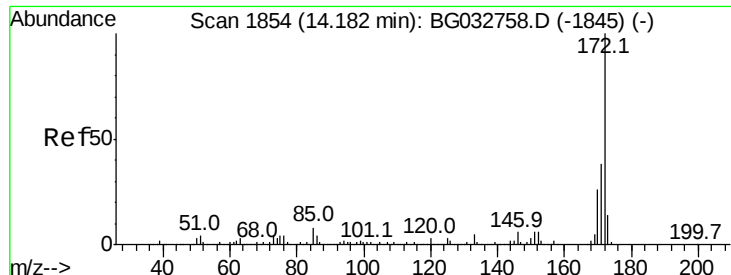


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

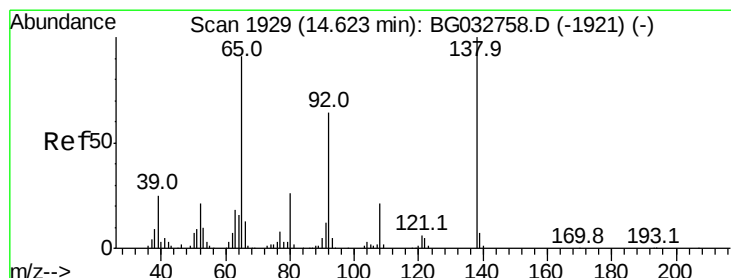
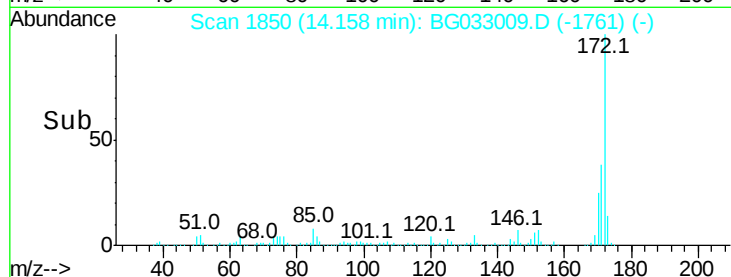
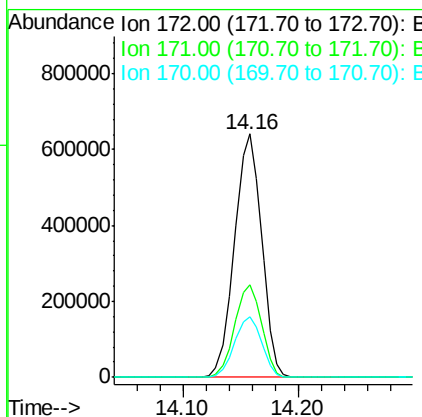
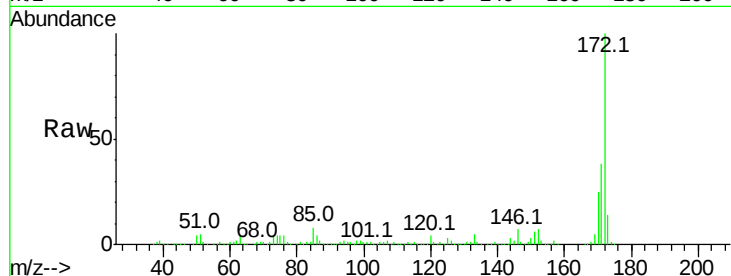




#44
2-Fluorobiphenyl
Concen: 95.257 ng
RT: 14.16 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BG033009.D
Acq: 6 Mar 2018 4:38

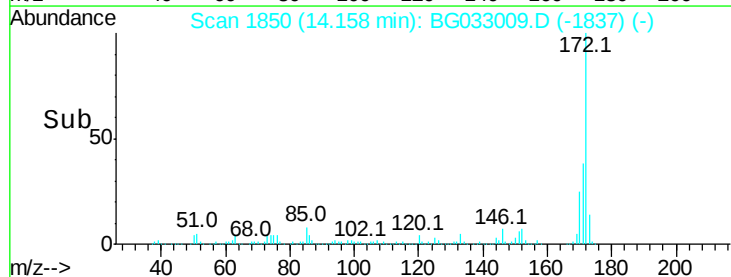
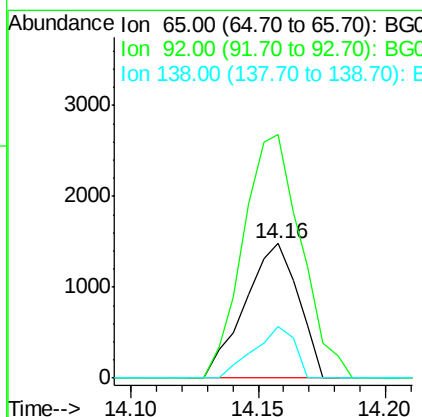
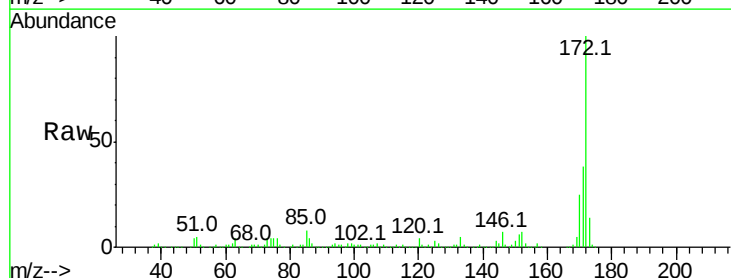
Instrument :
BNA_G
ClientSampleId :

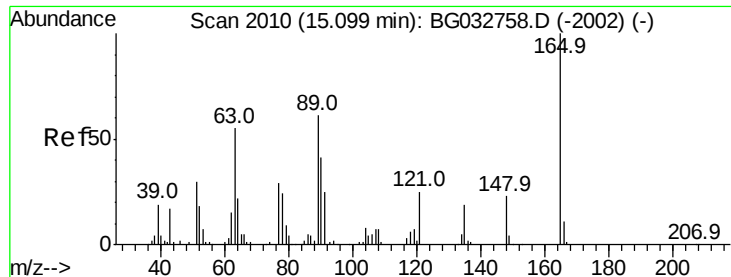
Tot Ion:172 Resp: 1042005
Ion Ratio Lower Upper
172 100
171 38.3 30.0 45.0
170 24.7 19.5 29.3



#47
2-Nitroaniline
Concen: 10.504 ng
RT: 14.16 min Scan# 1850
Delta R.T. -0.46 min
Lab File: BG033009.D
Acq: 6 Mar 2018 4:38

Tgt Ion: 65 Resp: 2182
Ion Ratio Lower Upper
65 100
92 181.1 54.6 82.0#
138 38.1 72.9 109.3#

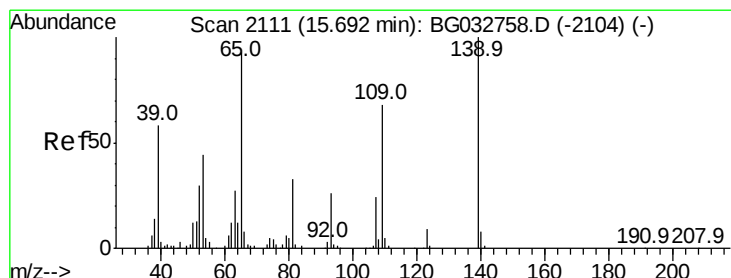
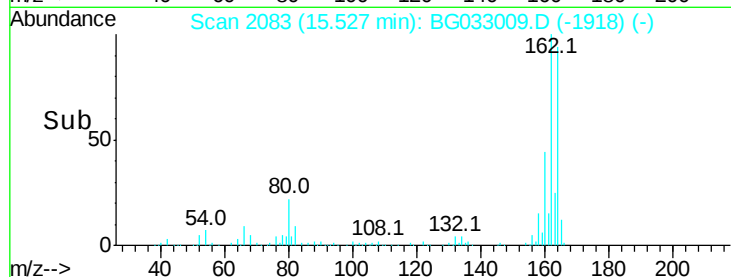
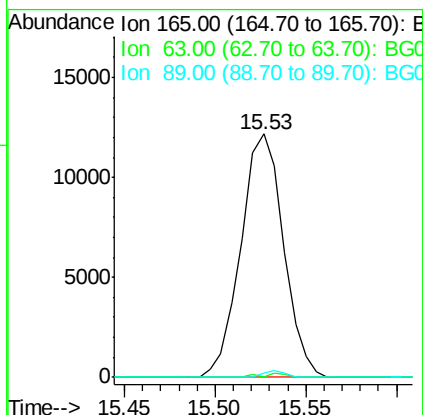
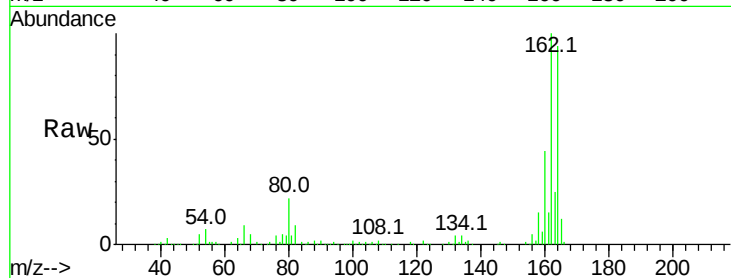




#50
2,6-Dinitrotoluene
Concen: 16.226 ng
RT: 15.53 min Scan# 2083
Delta R.T. 0.44 min
Lab File: BG033009.D
Acq: 6 Mar 2018 4:38

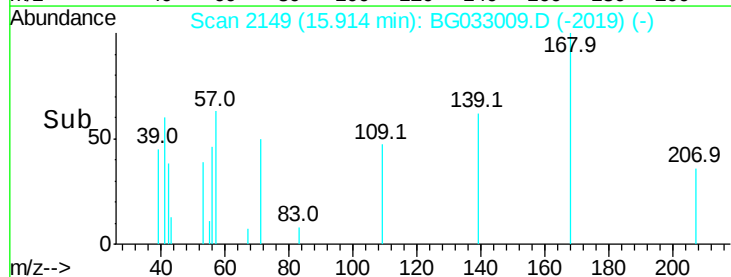
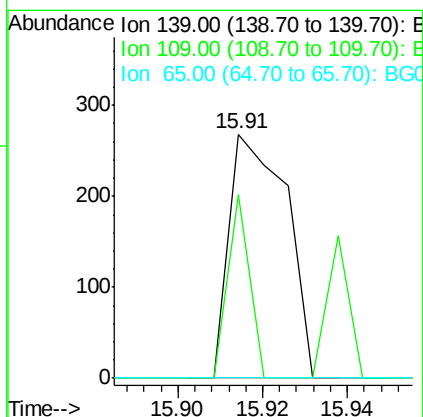
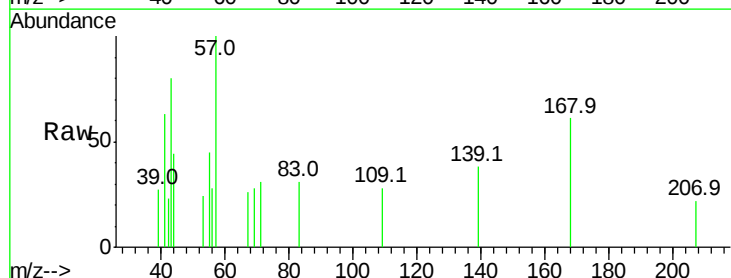
Instrument :
BNA_G
ClientSampleId :

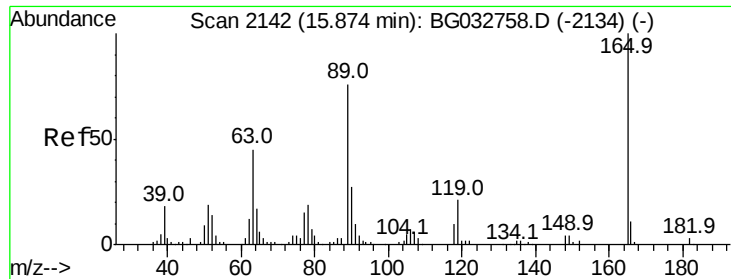
Tot Ion:165 Resp: 19945
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.0 49.2 73.8#



#55
4-Nitrophenol
Concen: 7.185 ng
RT: 15.91 min Scan# 2149
Delta R.T. 0.23 min
Lab File: BG033009.D
Acq: 6 Mar 2018 4:38

Tgt Ion:139 Resp: 252
Ion Ratio Lower Upper
139 100
109 75.4 62.2 102.2
65 0.0 97.2 137.2#

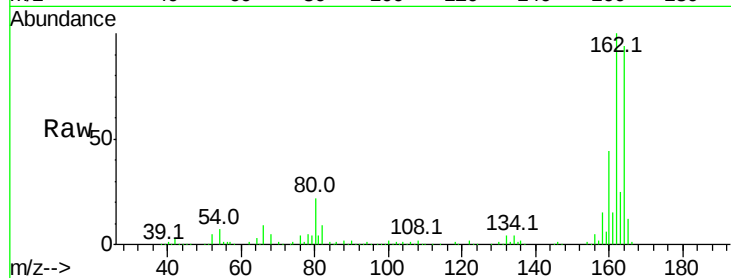




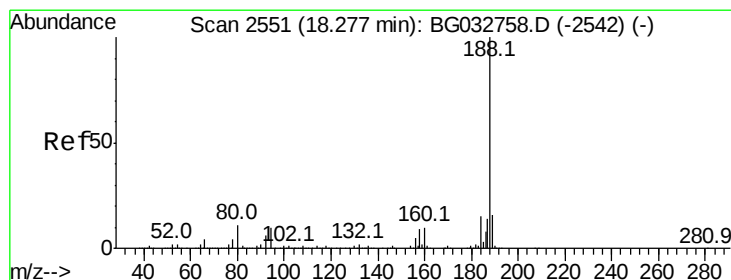
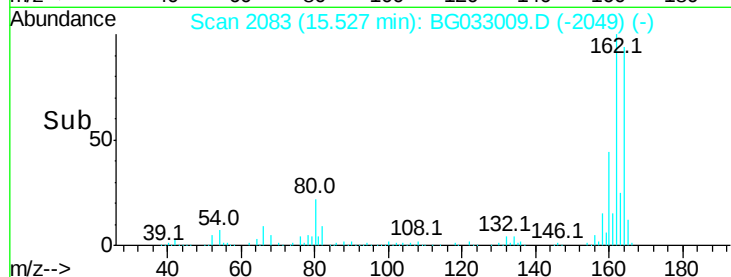
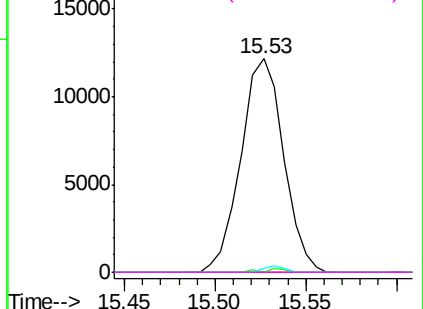
#56
2,4-Dinitrotoluene
Concen: 14.423 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG033009.D
Acq: 6 Mar 2018 4:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 19945
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 2.0 66.9 100.3#
182 0.0 2.6 3.8#

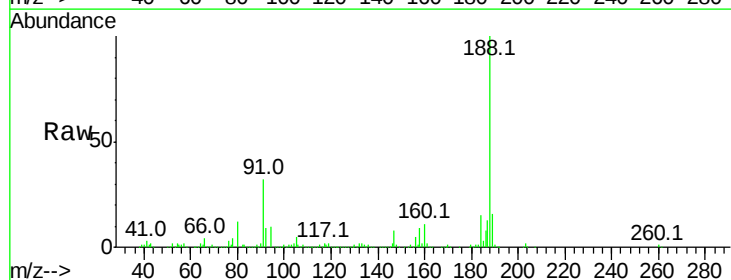


Abundance Ion 165.00 (164.70 to 165.70): E

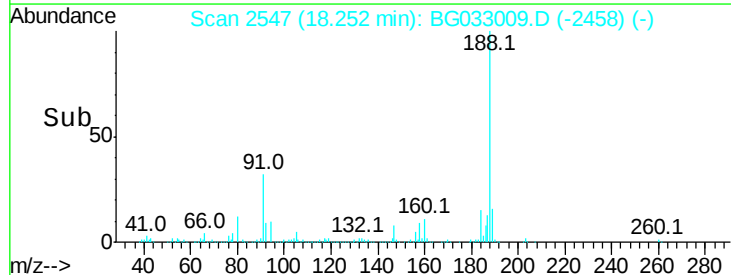
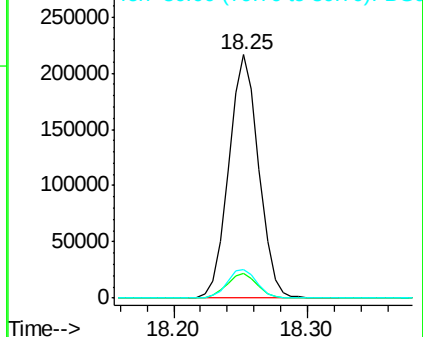


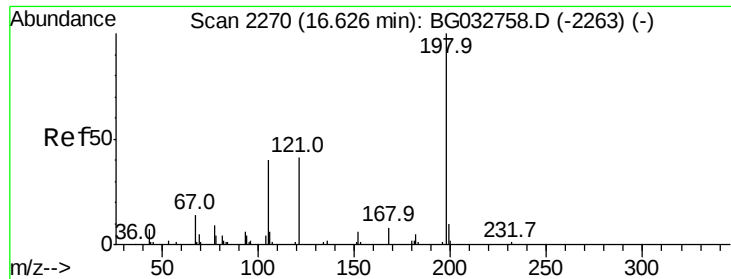
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BG033009.D
Acq: 6 Mar 2018 4:38

Tgt Ion:188 Resp: 336401
Ion Ratio Lower Upper
188 100
94 10.4 6.9 10.3#
80 11.8 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E





#64

4,6-Dinitro-2-methylphenol

Concen: 5.764 ng

RT: 17.00 min Scan# 2333

Delta R.T. 0.38 min

Lab File: BG033009.D

Acq: 6 Mar 2018 4:38

Instrument :

BNA_G

ClientSampled :

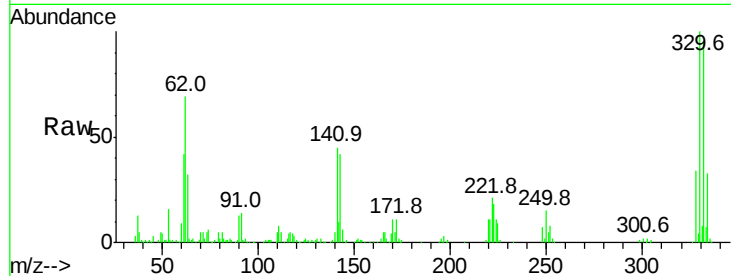
Tot Ion:198 Resp: 646

Ion Ratio Lower Upper

198 100

51 210.4 30.6 70.6#

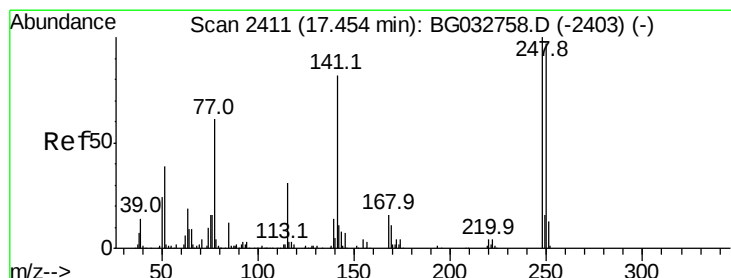
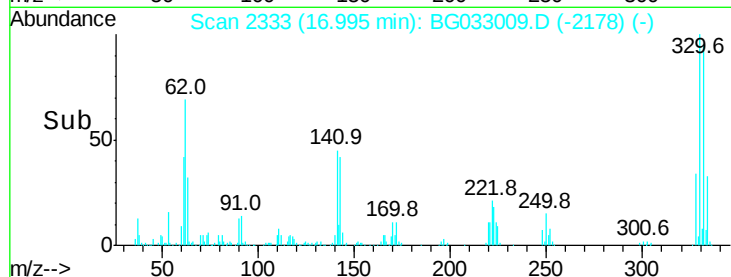
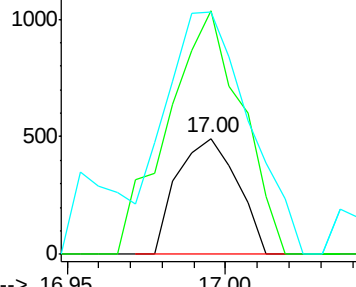
105 209.3 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG032758.D (-2263) (-)

Ion 105.00 (104.70 to 105.70): BG032758.D (-2263) (-)



#66

4-Bromophenyl-phenylether

Concen: 4.818 ng

RT: 17.00 min Scan# 2333

Delta R.T. -0.44 min

Lab File: BG033009.D

Acq: 6 Mar 2018 4:38

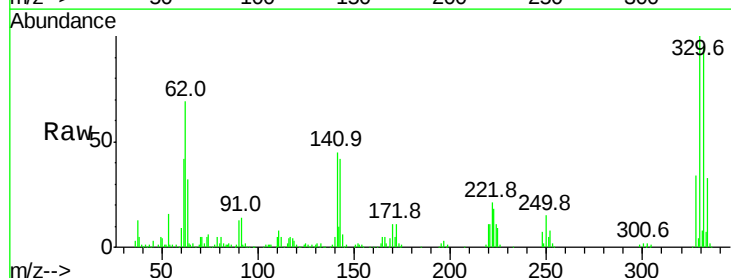
Tgt Ion:248 Resp: 17139

Ion Ratio Lower Upper

248 100

250 196.3 77.1 115.7#

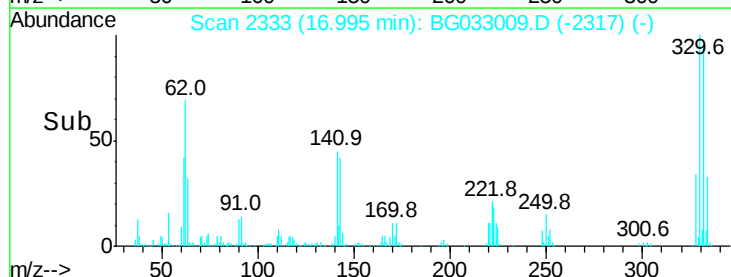
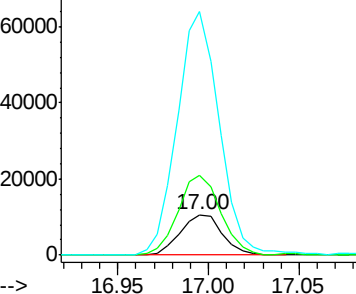
141 600.5 50.8 76.2#

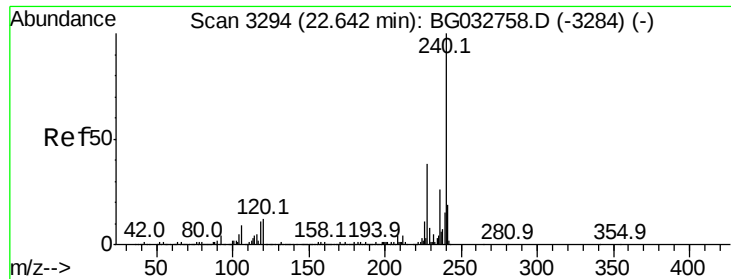


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): BG032758.D (-2403) (-)

Ion 141.00 (140.70 to 141.70): BG032758.D (-2403) (-)





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.61 min Scan# 3289

Delta R.T. -0.01 min

Lab File: BG033009.D

Acq: 6 Mar 2018 4:38

Instrument :

BNA_G

ClientSampleId :

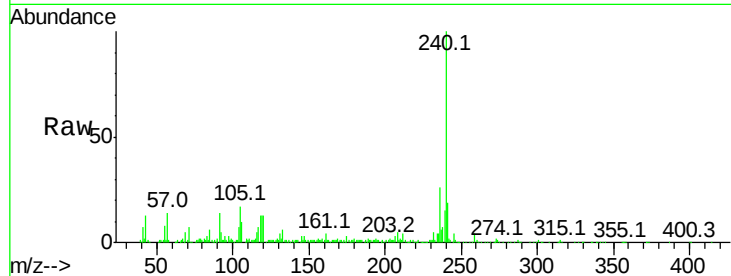
Tot Ion:240 Resp: 301613

Ion Ratio Lower Upper

240 100

120 12.8 6.8 10.2#

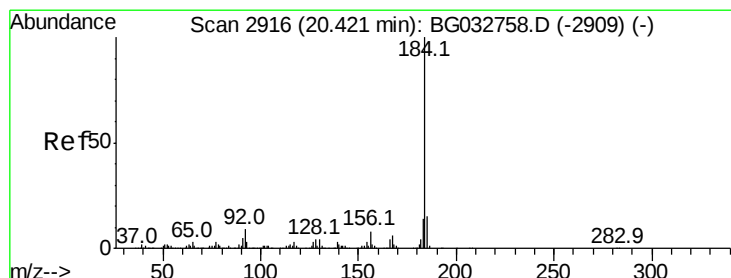
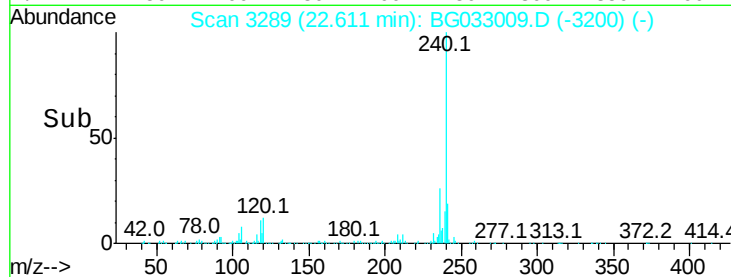
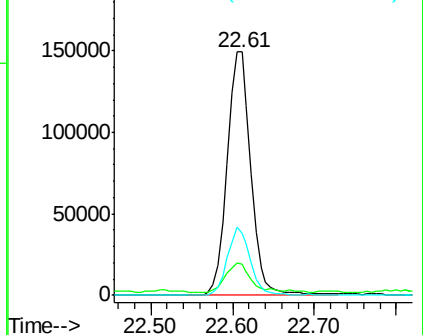
236 25.6 20.9 31.3



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: 5.166 ng

RT: 20.40 min Scan# 2913

Delta R.T. -0.01 min

Lab File: BG033009.D

Acq: 6 Mar 2018 4:38

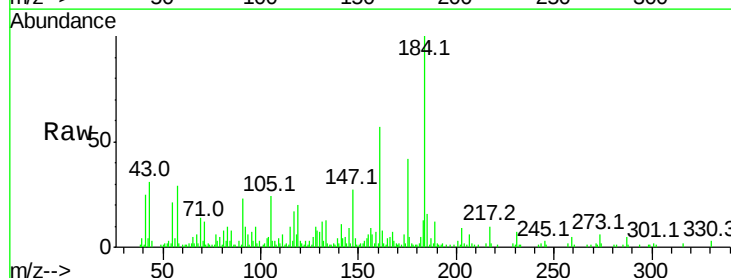
Tgt Ion:184 Resp: 53114

Ion Ratio Lower Upper

184 100

185 16.1 11.1 16.7

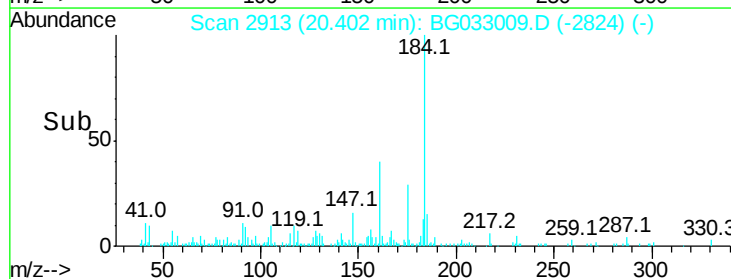
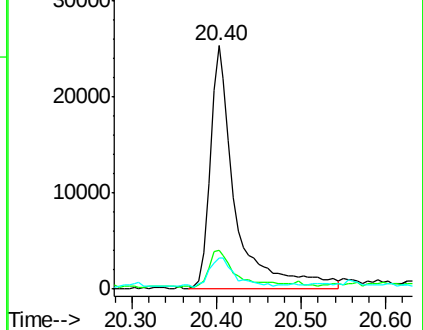
183 12.9 10.6 16.0

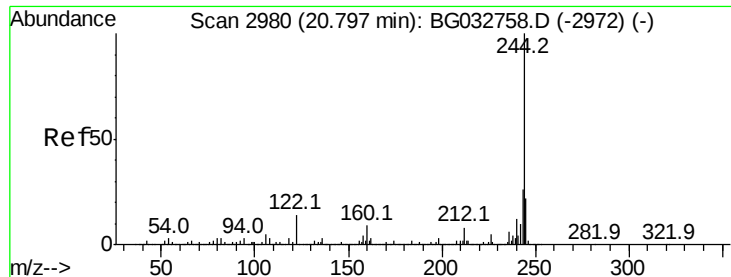


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 103.281 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG033009.D

Acq: 6 Mar 2018 4:38

Instrument :

BNA_G

ClientSampleId :

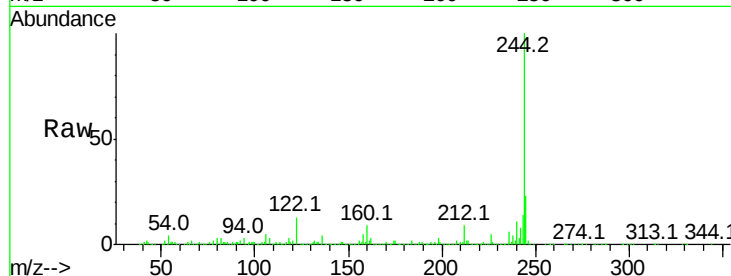
Tot Ion:244 Resp: 1386505

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8

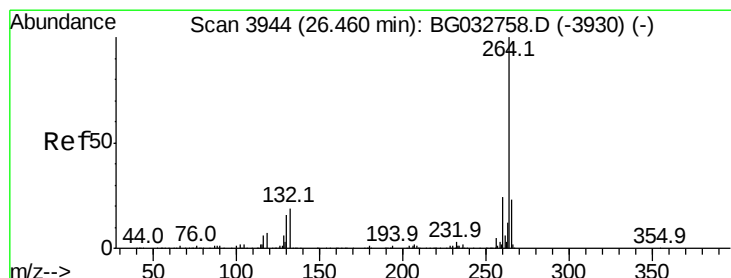
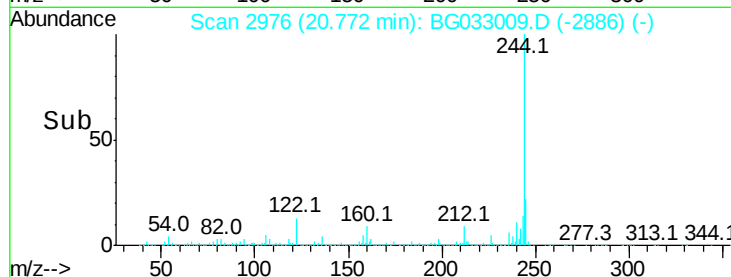
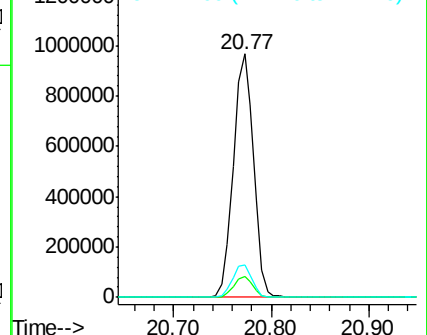
122 13.4 7.0 10.4#



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: 26.41 min Scan# 3936

Delta R.T. -0.01 min

Lab File: BG033009.D

Acq: 6 Mar 2018 4:38

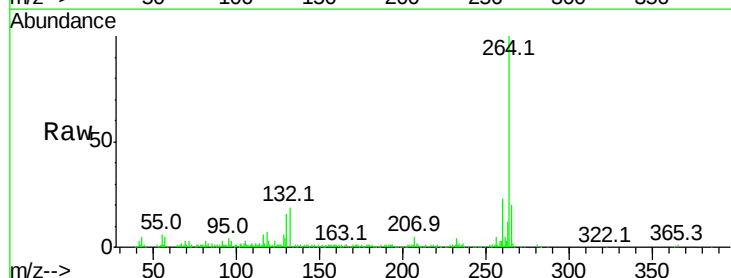
Tgt Ion:264 Resp: 313802

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.0

265 20.1 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

