

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031518\
 Data File : BG033185.D
 Acq On : 15 Mar 2018 20:24
 Operator : SJ/JU
 Sample : J1913-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 16 04:54:20 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

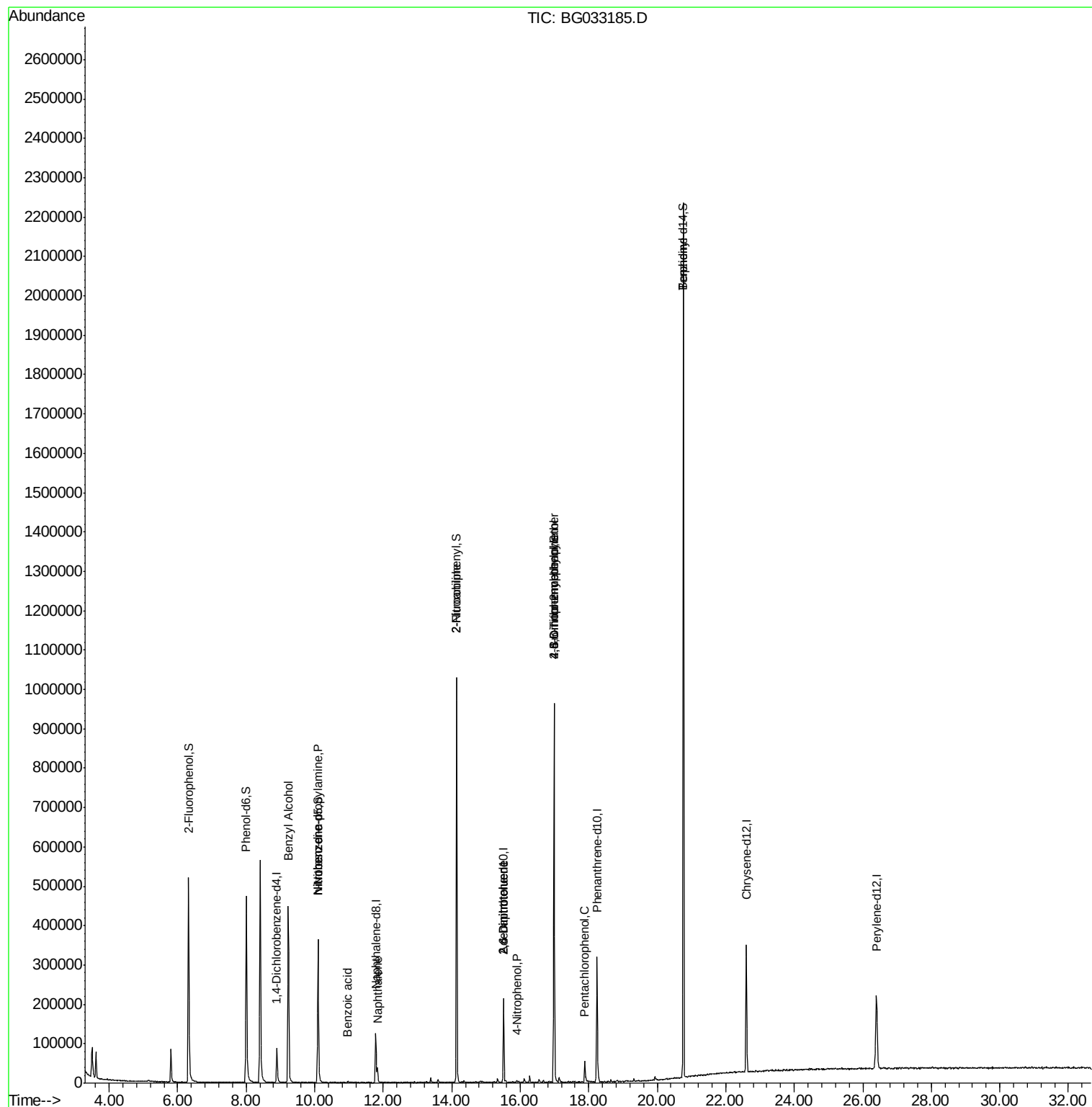
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	29257	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	127777	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	76795	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	200135	20.00	ng	0.00
75) Chrysene-d12	22.60	240	209083	20.00	ng	0.00
86) Perylene-d12	26.40	264	225539	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	275295	150.54	ng	0.00
7) Phenol-d6	8.00	99	328419	128.84	ng	0.00
23) Nitrobenzene-d5	10.10	82	249419	129.57	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	205578	254.59	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	570216	107.09	ng	0.00
78) Terphenyl-d14	20.76	244	1061614	114.08	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.22	79	4039	2.155	ng	# 45
19) n-Nitroso-di-n-propylamine	10.10	70	34251	19.033	ng	# 82
24) Nitrobenzene	10.10	77	765	6.706	ng	# 42
31) Naphthalene	11.84	128	36129	5.411	ng	# 96
32) Benzoic acid	10.96	122	828	6.645	ng	# 88
47) 2-Nitroaniline	14.15	65	1131	10.547	ng	# 7
50) 2,6-Dinitrotoluene	15.52	165	9721	16.235	ng	# 18
55) 4-Nitrophenol	15.91	139	1647	8.486	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	9721	14.432	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.98	198	446	5.895	ng	# 1
66) 4-Bromophenyl-phenylether	16.98	248	13500	6.379	ng	# 1
69) Pentachlorophenol	17.89	266	12130	8.421	ng	# 96
76) Benzidine	20.76	184	17672	2.480	ng	# 92

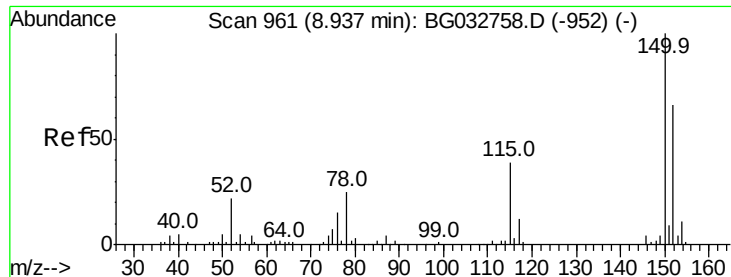
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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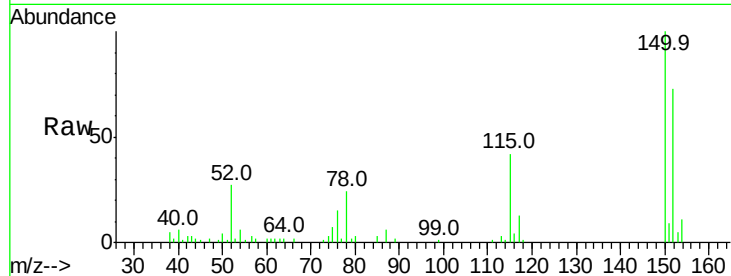


#1

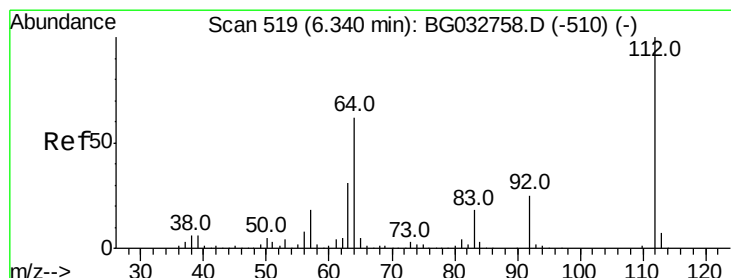
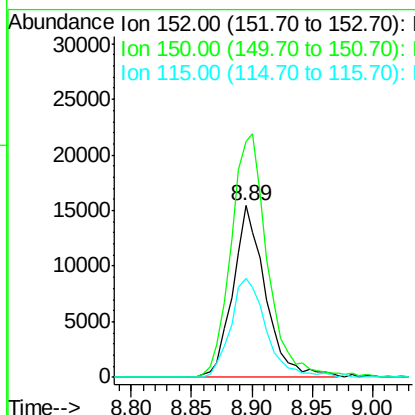
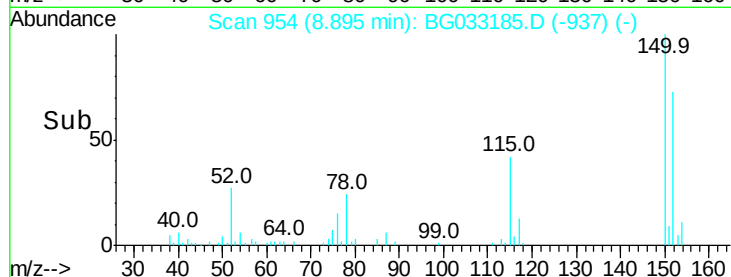
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033185.D
Acq: 15 Mar 2018 20:24

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 29257
Ion Ratio Lower Upper
152 100
150 137.6 126.6 189.8
115 57.8 53.0 79.4



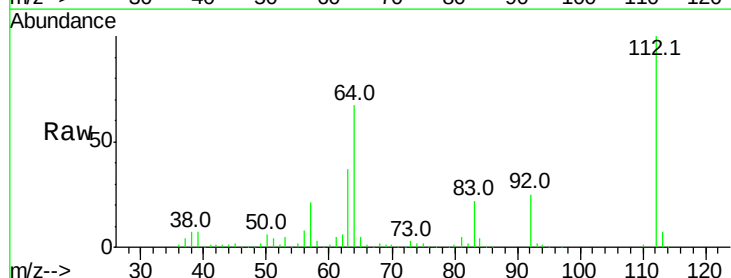
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



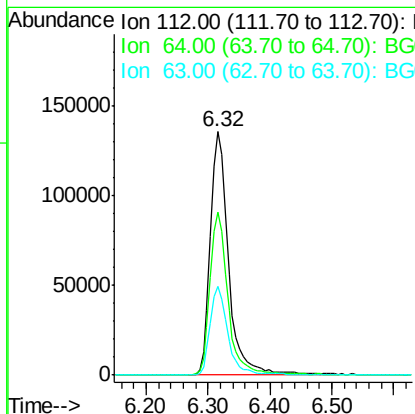
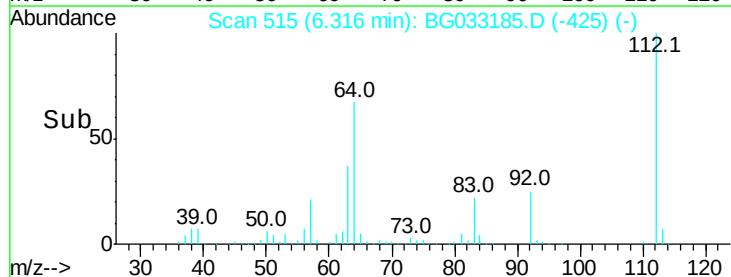
#5

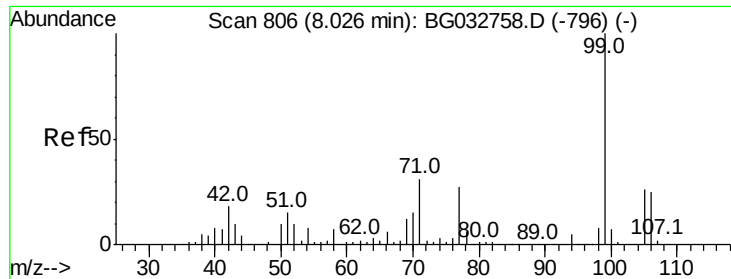
2-Fluorophenol
Concen: 150.539 ng
RT: 6.32 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033185.D
Acq: 15 Mar 2018 20:24

Tgt Ion:112 Resp: 275295
Ion Ratio Lower Upper
112 100
64 66.7 56.3 84.5
63 36.6 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 128.843 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033185.D

Acq: 15 Mar 2018 20:24

Instrument :

BNA_G

ClientSampleId :

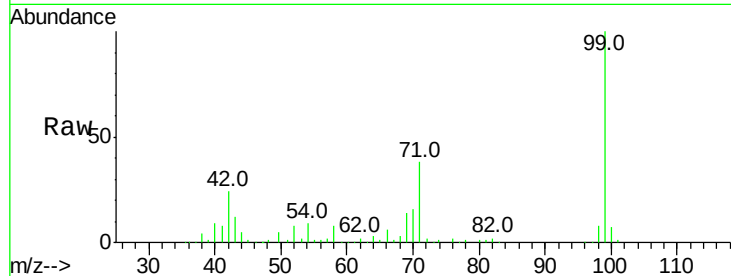
Tot Ion: 99 Resp: 328419

Ion Ratio Lower Upper

99 100

42 24.0 14.1 21.1#

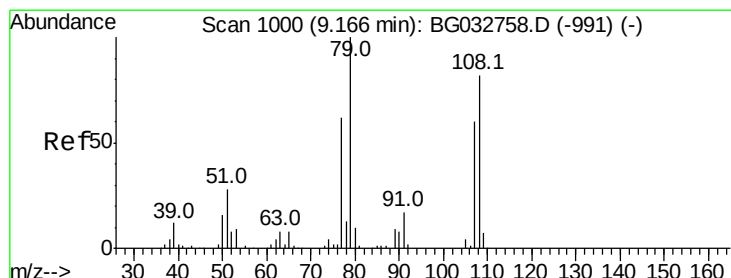
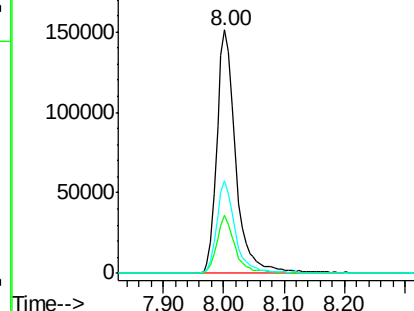
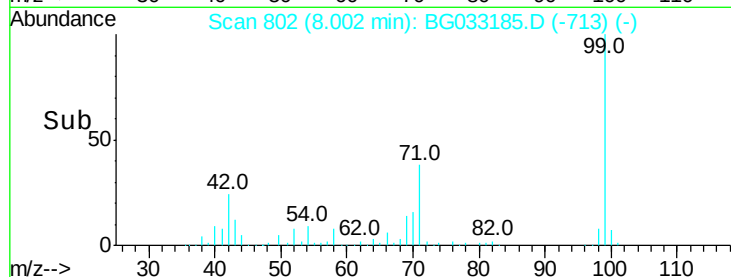
71 37.8 26.1 39.1



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: 2.155 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.09 min

Lab File: BG033185.D

Acq: 15 Mar 2018 20:24

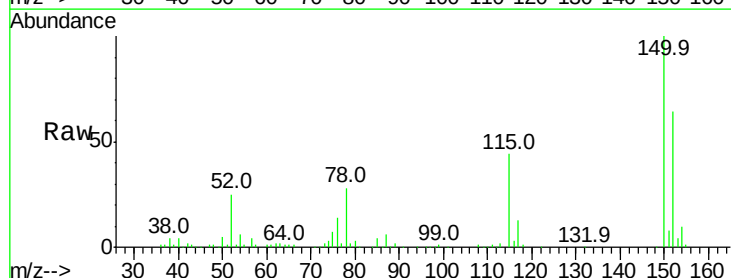
Tgt Ion: 79 Resp: 4039

Ion Ratio Lower Upper

79 100

108 29.8 57.2 85.8#

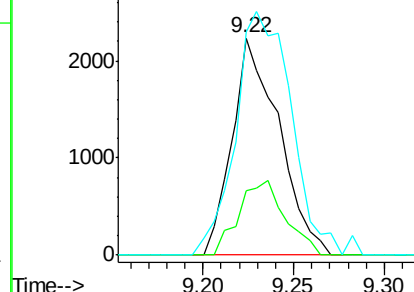
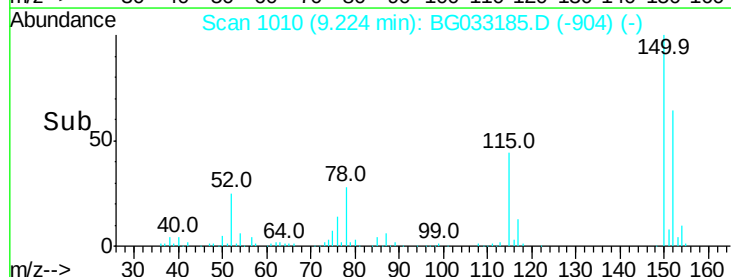
77 102.9 46.1 69.1#

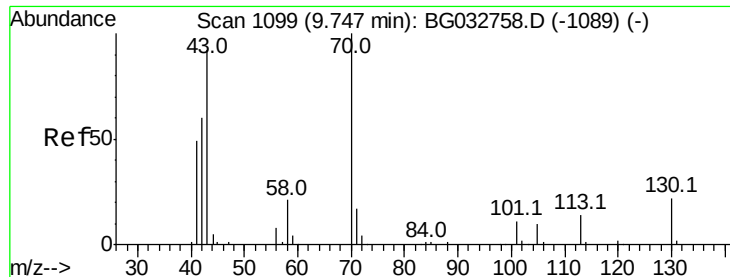


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

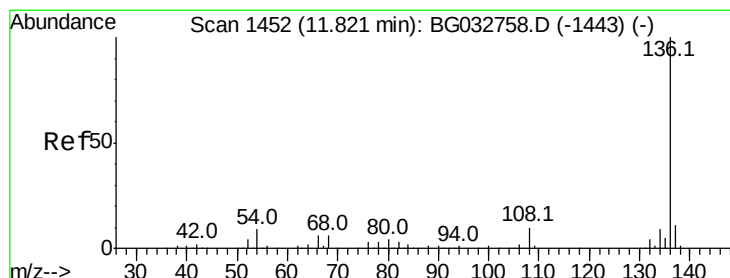
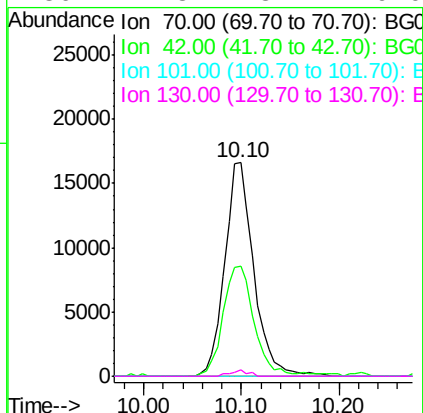
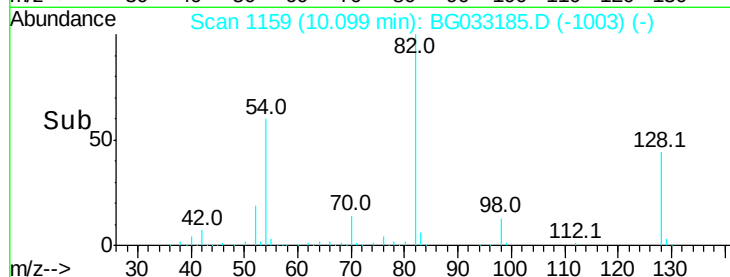
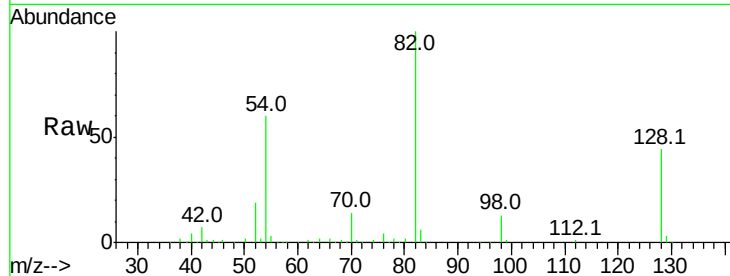




#19
n-Nitroso-di-n-propylamine
Concen: 19.033 ng
RT: 10.10 min Scan# 1159
Delta R.T. 0.39 min
Lab File: BG033185.D
Acq: 15 Mar 2018 20:24

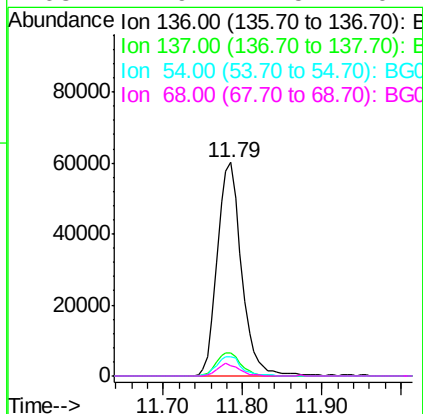
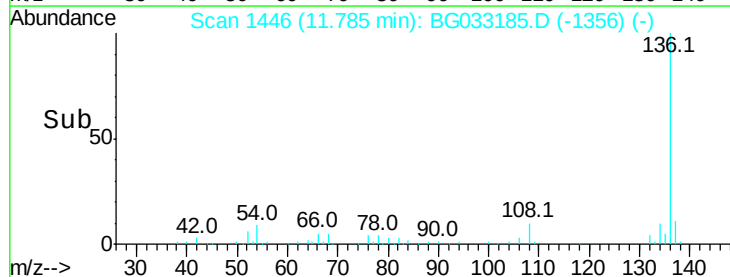
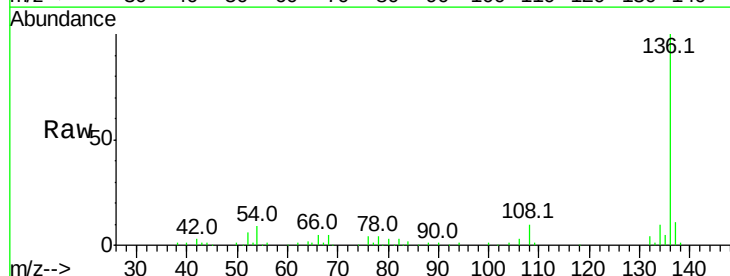
Instrument :
BNA_G
ClientSampled :

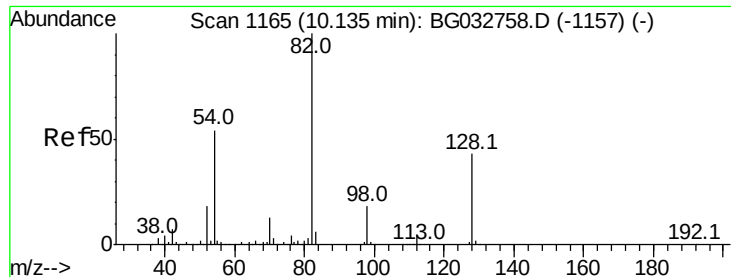
Tot Ion: 70 Resp: 34251
Ion Ratio Lower Upper
70 100
42 51.7 49.1 73.7
101 0.0 8.5 12.7#
130 2.8 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033185.D
Acq: 15 Mar 2018 20:24

Tgt Ion: 136 Resp: 127777
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 8.9 10.3 15.5#
68 4.9 4.5 6.7

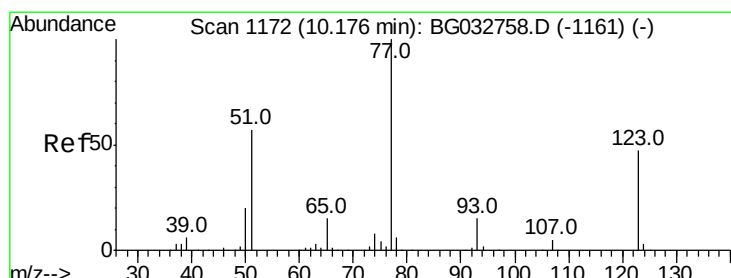
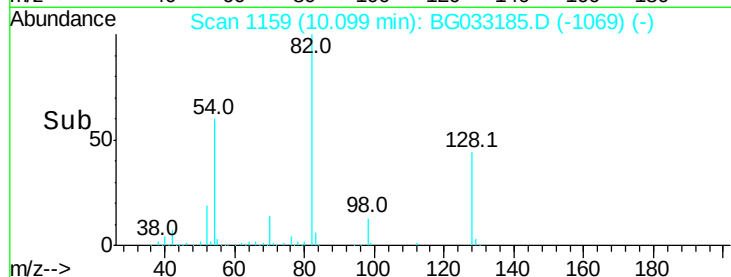
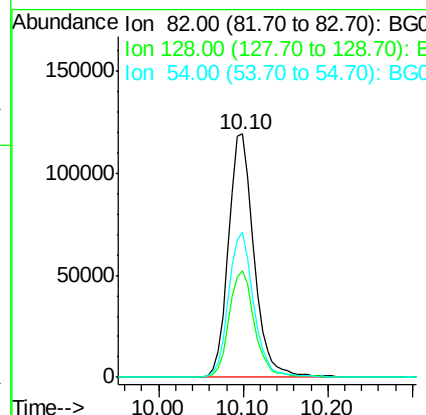
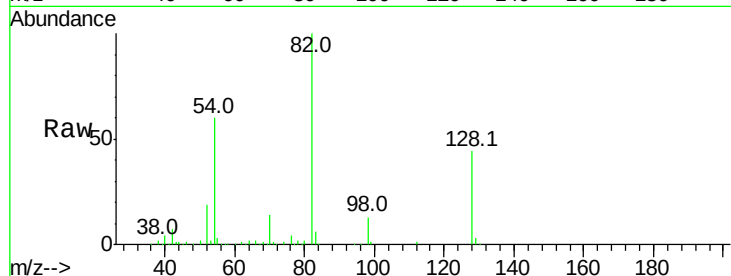




#23
 Nitrobenzene-d5
 Concen: 129.574 ng
 RT: 10.10 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: BG033185.D
 Acq: 15 Mar 2018 20:24

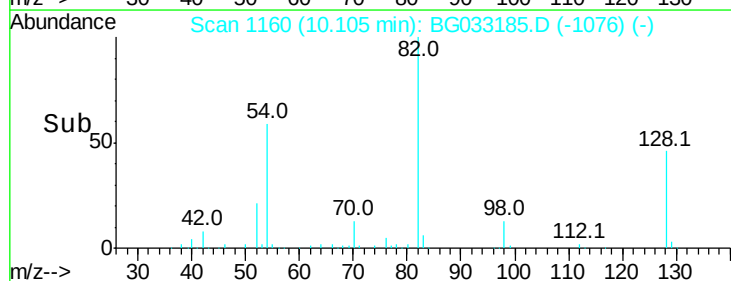
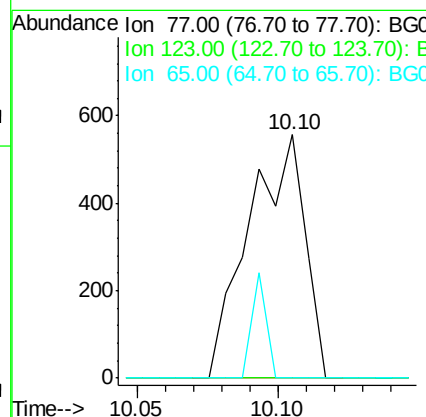
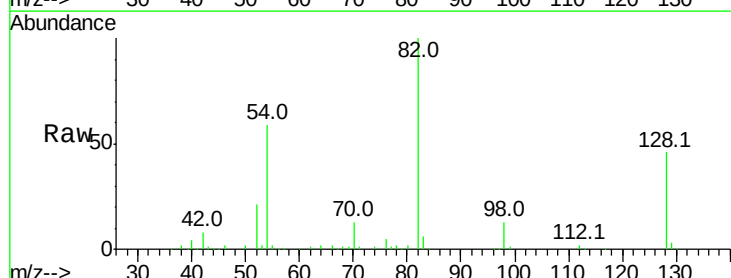
Instrument :
 BNA_G
 ClientSampleId :

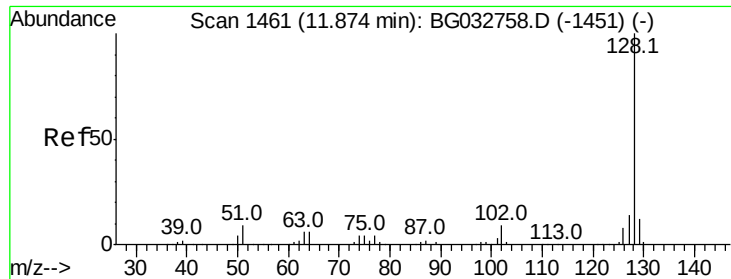
Tot Ion: 82 Resp: 249419
 Ion Ratio Lower Upper
 82 100
 128 43.9 29.7 44.5
 54 59.8 43.1 64.7



#24
 Nitrobenzene
 Concen: 6.706 ng
 RT: 10.10 min Scan# 1160
 Delta R.T. -0.04 min
 Lab File: BG033185.D
 Acq: 15 Mar 2018 20:24

Tgt Ion: 77 Resp: 765
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 0.0 13.0 19.6#

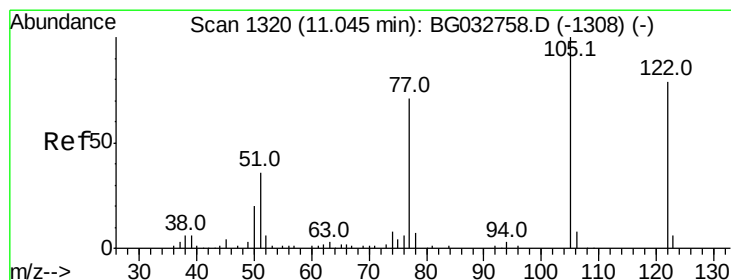
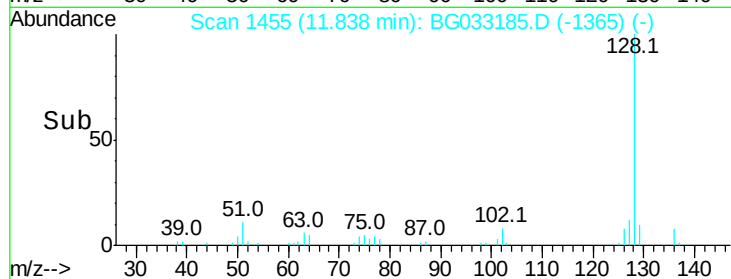
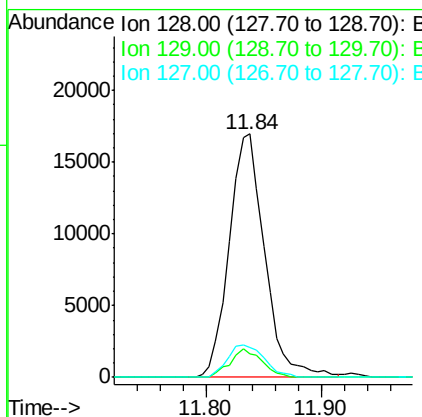
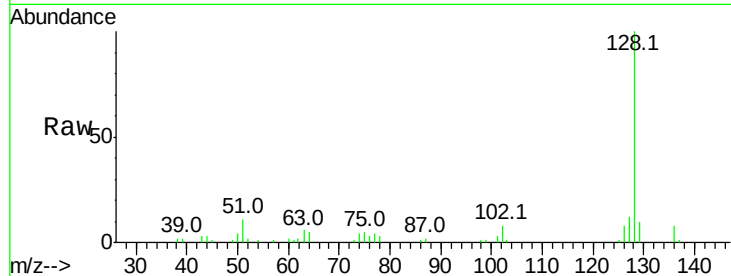




#31
Naphthalene
Concen: 5.411 ng
RT: 11.84 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BG033185.D
Acq: 15 Mar 2018 20:24

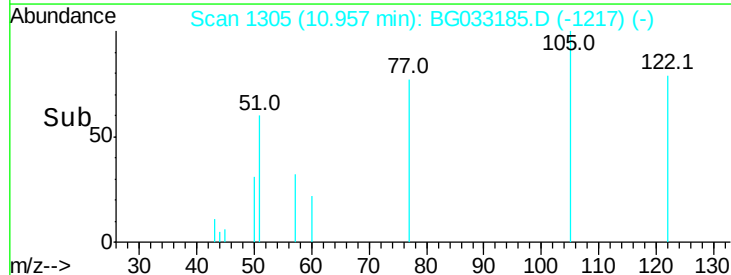
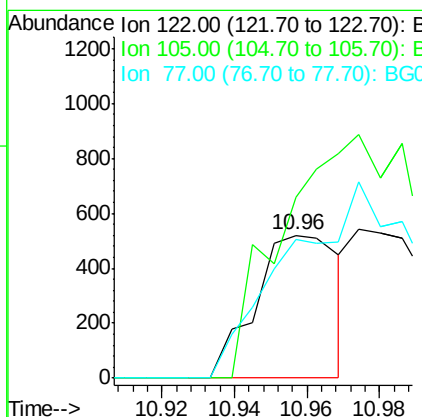
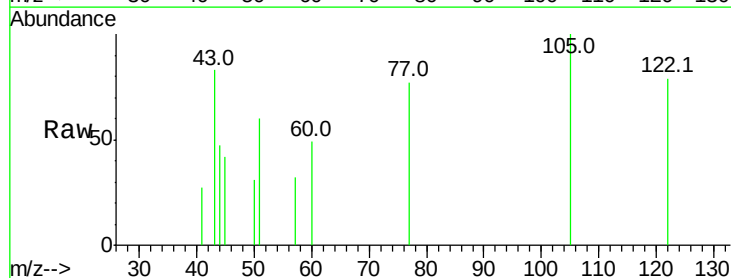
Instrument :
BNA_G
ClientSampled :

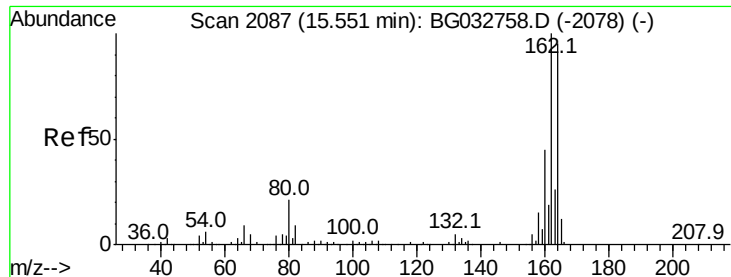
Tot Ion:128 Resp: 36129
Ion Ratio Lower Upper
128 100
129 9.7 8.6 12.8
127 12.1 11.6 17.4



#32
Benzoic acid
Concen: 6.645 ng
RT: 10.96 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG033185.D
Acq: 15 Mar 2018 20:24

Tgt Ion:122 Resp: 828
Ion Ratio Lower Upper
122 100
105 126.1 123.5 163.5
77 97.3 85.7 125.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033185.D

Acq: 15 Mar 2018 20:24

Instrument :

BNA_G

ClientSampleId :

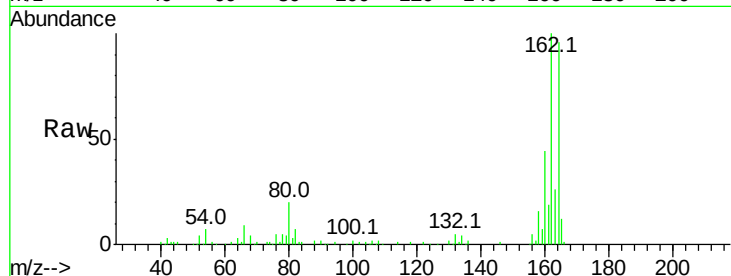
Tot Ion:164 Resp: 76795

Ion Ratio Lower Upper

164 100

162 103.8 78.8 118.2

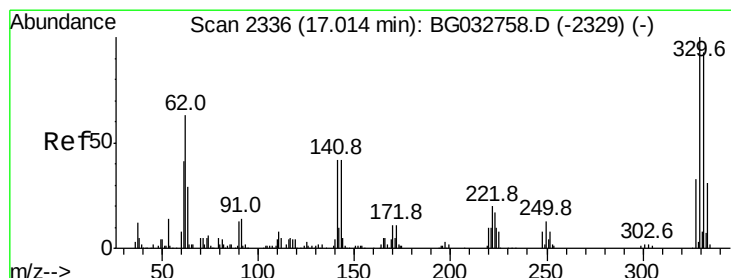
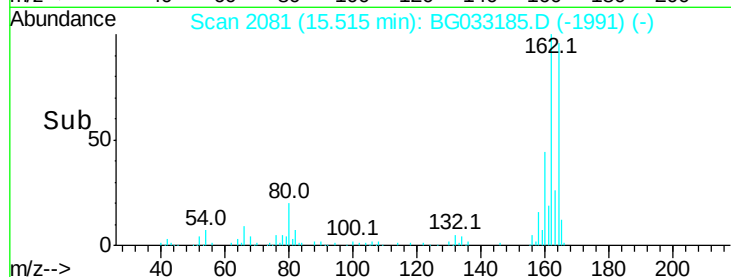
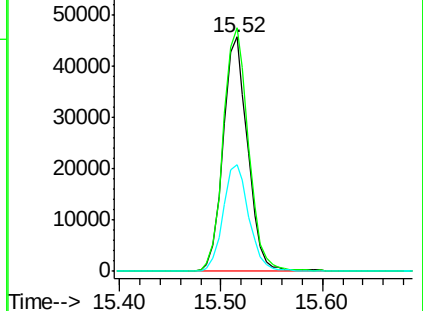
160 45.6 35.4 53.0



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: 254.594 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.00 min

Lab File: BG033185.D

Acq: 15 Mar 2018 20:24

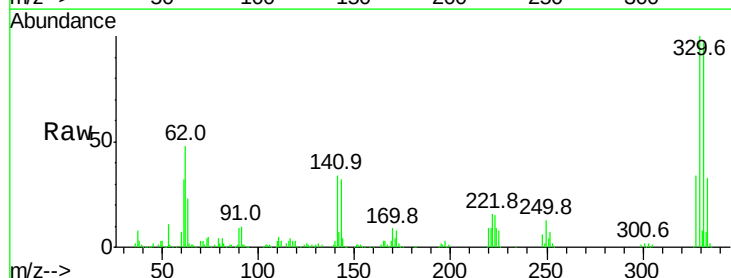
Tgt Ion:330 Resp: 205578

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

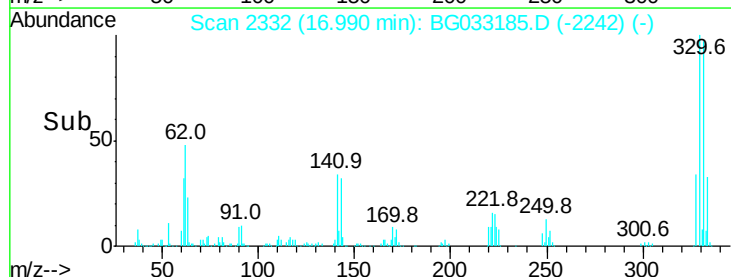
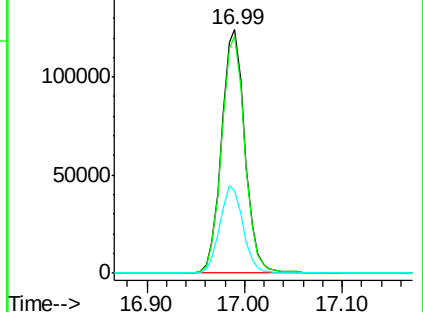
141 35.7 25.2 37.8

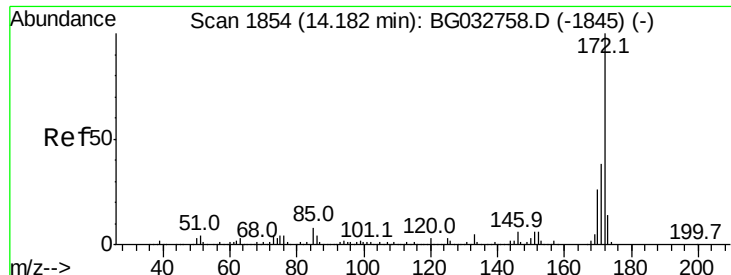


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

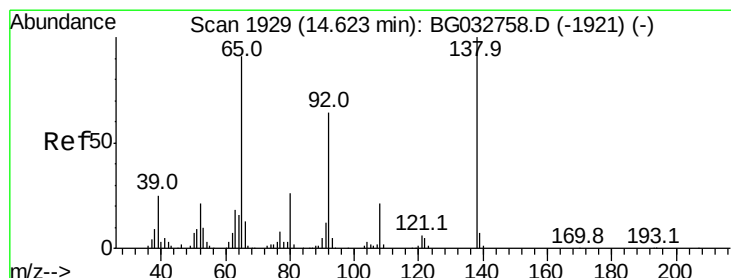
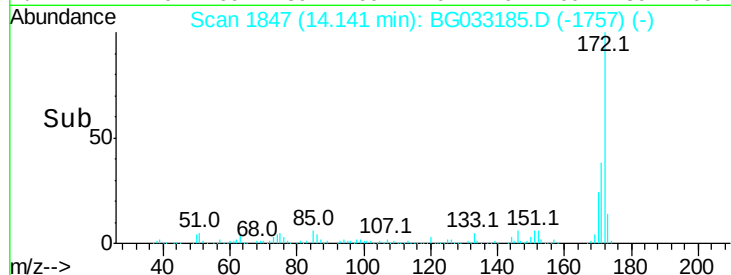
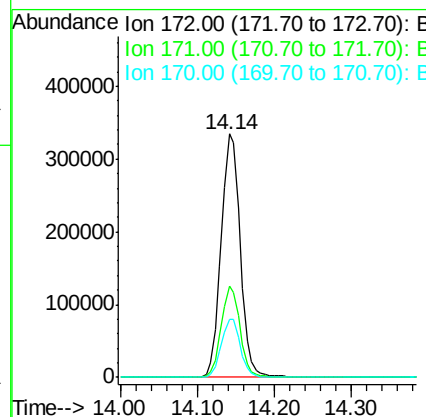
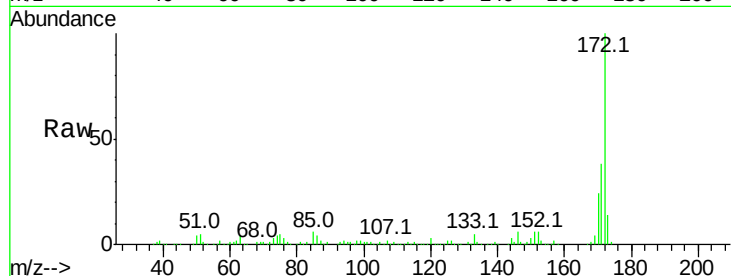




#44
 2-Fluorobiphenyl
 Concen: 107.090 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG033185.D
 Acq: 15 Mar 2018 20:24

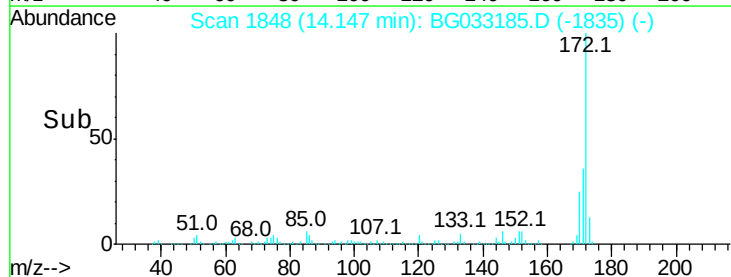
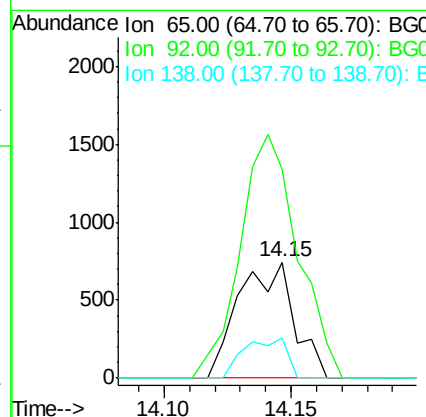
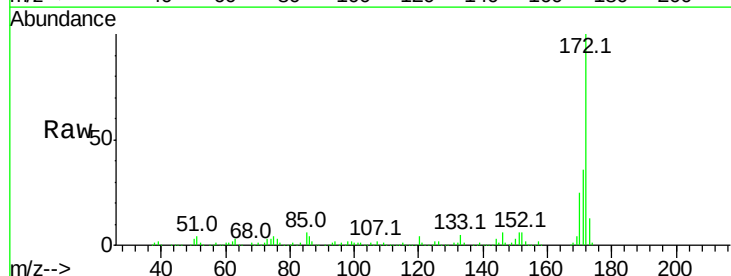
Instrument :
 BNA_G
 ClientSampleId :

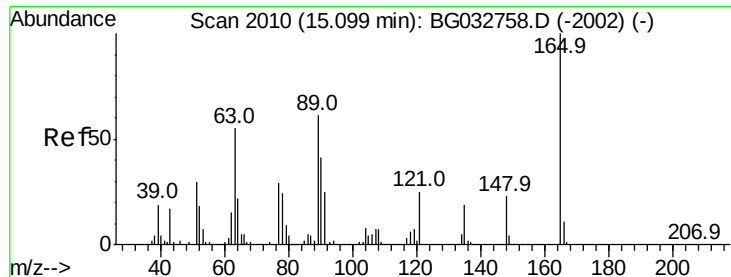
Tot Ion:172 Resp: 570216
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.0 45.0
 170 23.6 19.5 29.3



#47
 2-Nitroaniline
 Concen: 10.547 ng
 RT: 14.15 min Scan# 1848
 Delta R.T. -0.45 min
 Lab File: BG033185.D
 Acq: 15 Mar 2018 20:24

Tgt Ion: 65 Resp: 1131
 Ion Ratio Lower Upper
 65 100
 92 180.1 54.6 82.0#
 138 34.8 72.9 109.3#

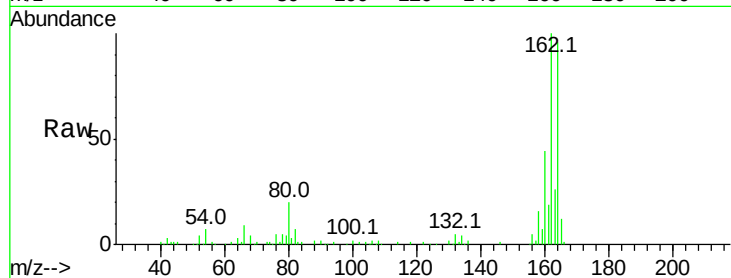




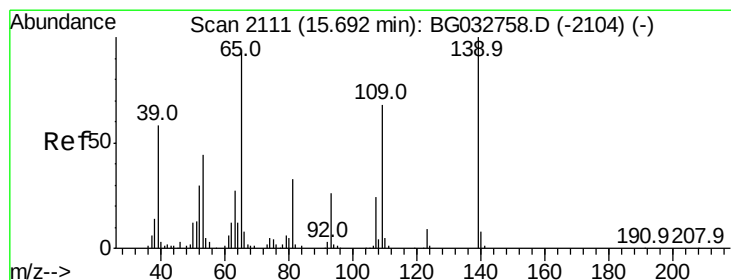
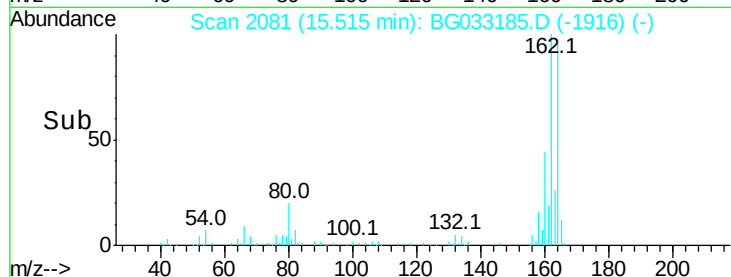
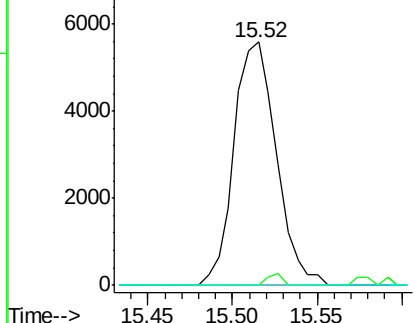
#50
2,6-Dinitrotoluene
Concen: 16.235 ng
RT: 15.52 min Scan# 2081
Delta R.T. 0.44 min
Lab File: BG033185.D
Acq: 15 Mar 2018 20:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 9721
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

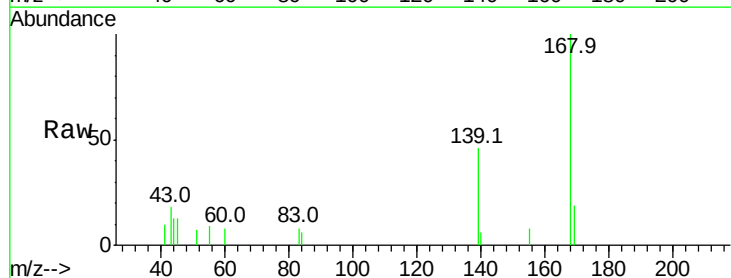


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

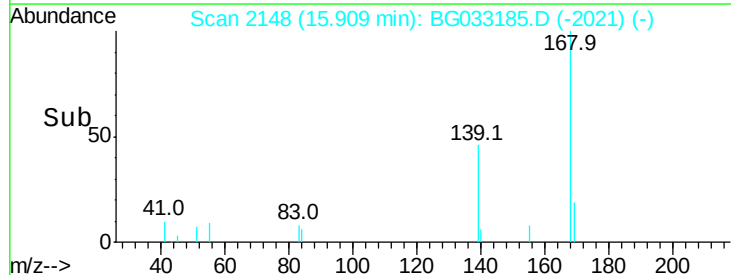
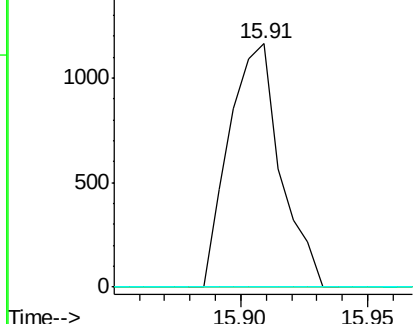


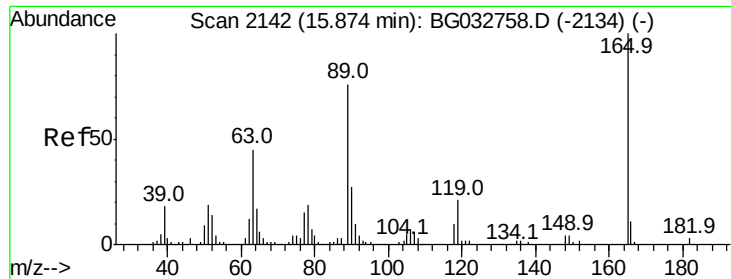
#55
4-Nitrophenol
Concen: 8.486 ng
RT: 15.91 min Scan# 2148
Delta R.T. 0.21 min
Lab File: BG033185.D
Acq: 15 Mar 2018 20:24

Tgt Ion:139 Resp: 1647
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

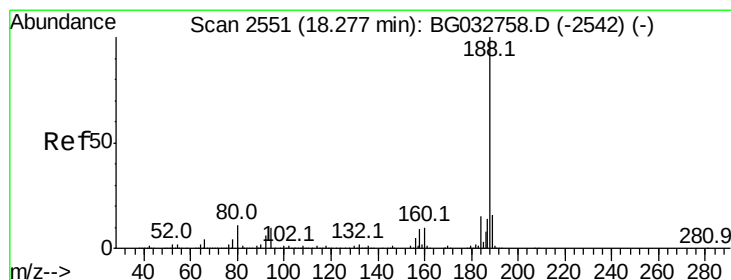
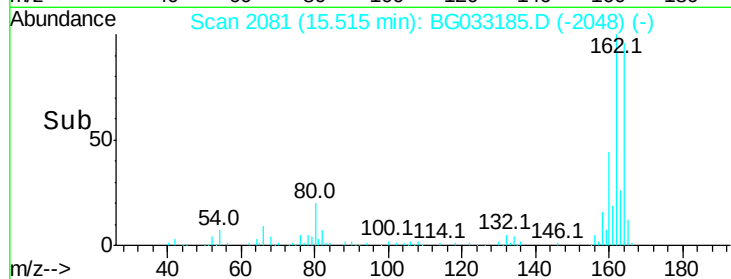
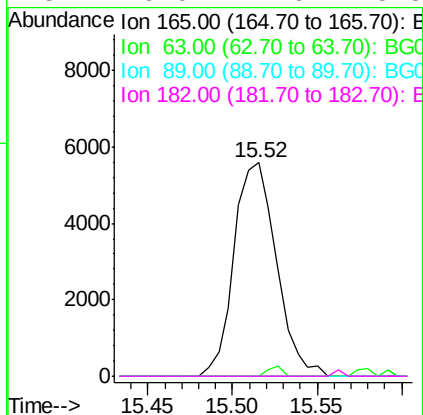
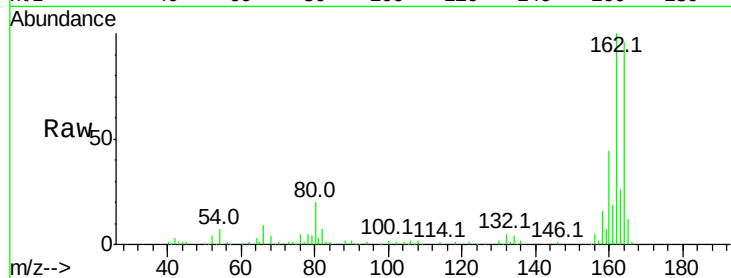




#56
 2,4-Dinitrotoluene
 Concen: 14.432 ng
 RT: 15.52 min Scan# 2081
 Delta R.T. -0.34 min
 Lab File: BG033185.D
 Acq: 15 Mar 2018 20:24

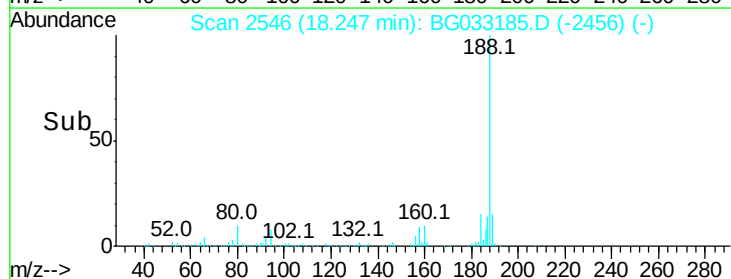
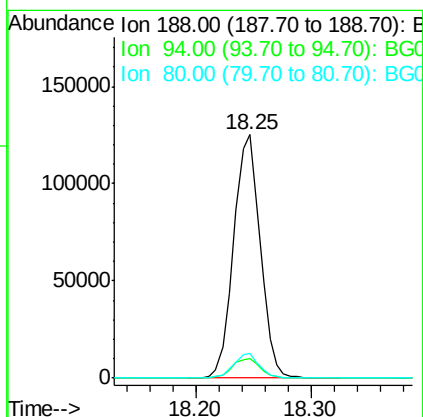
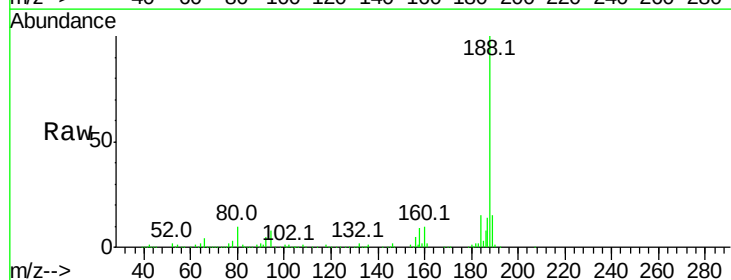
Instrument :
 BNA_G
 ClientSampleId :

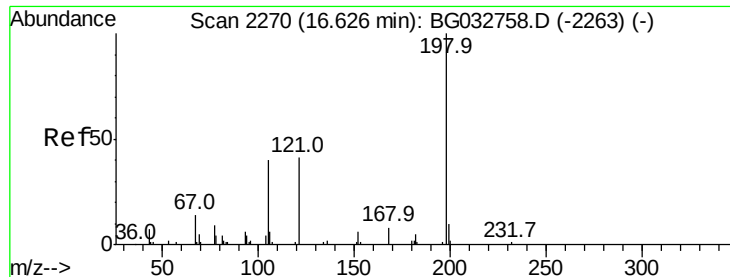
Tot Ion:	165	Resp:	9721
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2546
 Delta R.T. -0.00 min
 Lab File: BG033185.D
 Acq: 15 Mar 2018 20:24

Tgt Ion:	188	Resp:	200135
Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.9	10.3
80	9.9	7.7	11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 5.895 ng

RT: 16.98 min Scan# 2331

Delta R.T. 0.37 min

Lab File: BG033185.D

Acq: 15 Mar 2018 20:24

Instrument :

BNA_G

ClientSampled :

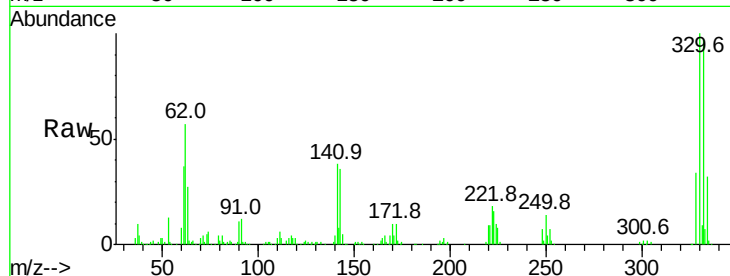
Tot Ion:198 Resp: 446

Ion Ratio Lower Upper

198 100

51 218.5 30.6 70.6#

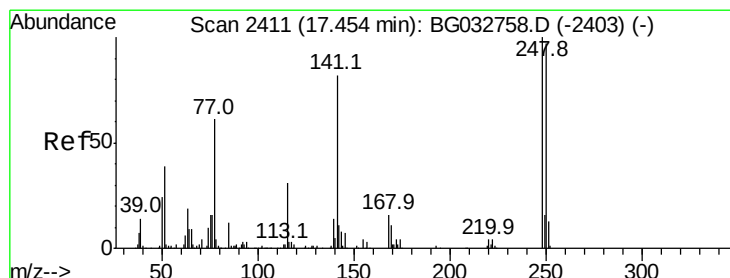
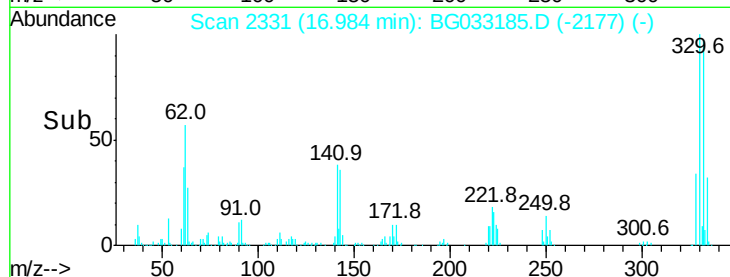
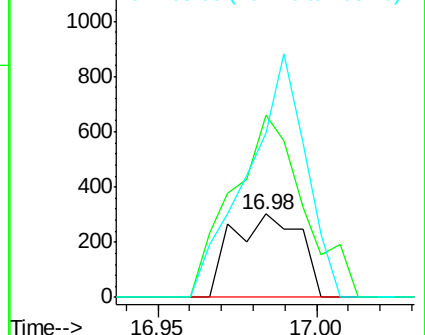
105 196.0 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 6.379 ng

RT: 16.98 min Scan# 2331

Delta R.T. -0.44 min

Lab File: BG033185.D

Acq: 15 Mar 2018 20:24

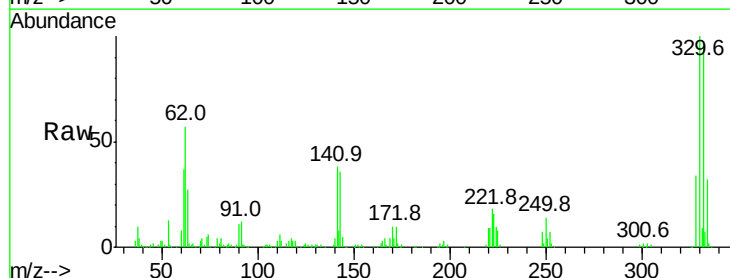
Tgt Ion:248 Resp: 13500

Ion Ratio Lower Upper

248 100

250 199.7 77.1 115.7#

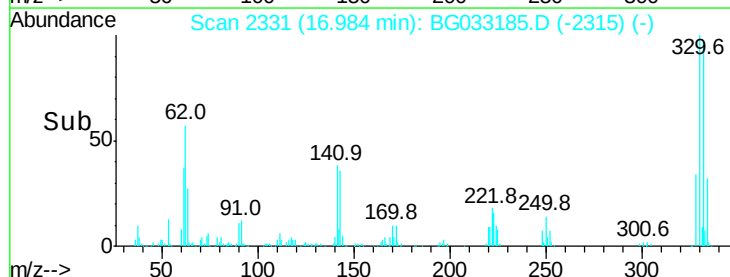
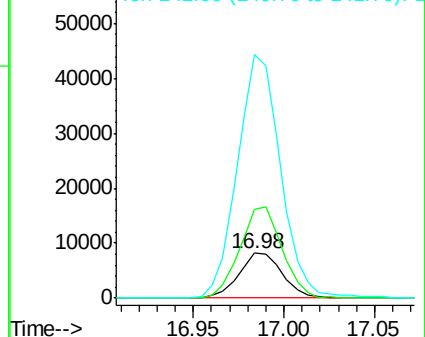
141 545.1 50.8 76.2#

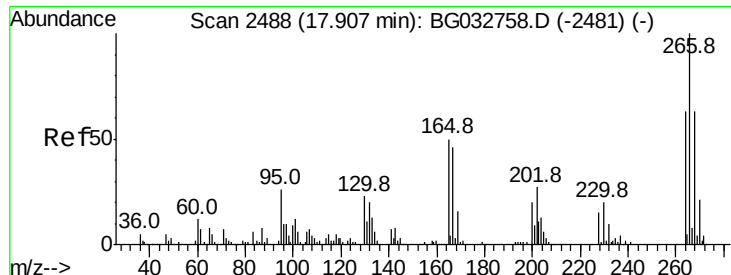


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Pentachlorophenol

Concen: 8.421 ng

RT: 17.89 min Scan# 2485

Delta R.T. 0.00 min

Lab File: BG033185.D

Acq: 15 Mar 2018 20:24

Instrument :

BNA_G

ClientSampleId :

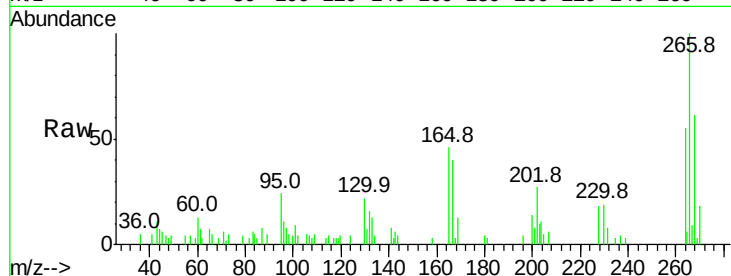
Tot Ion:266 Resp: 12130

Ion Ratio Lower Upper

266 100

268 64.0 51.1 76.7

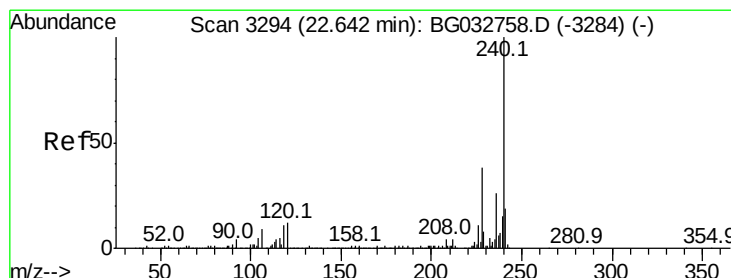
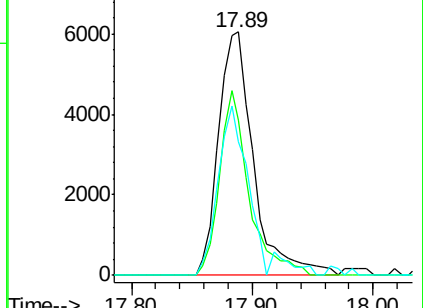
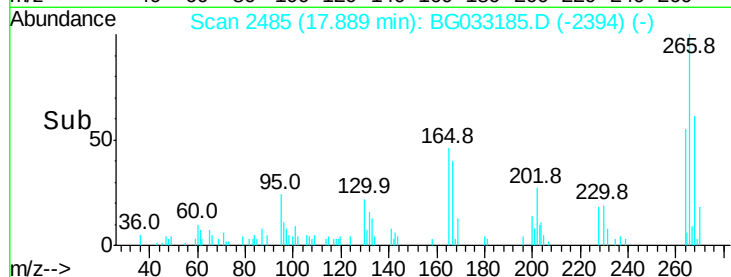
264 55.0 49.6 74.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3287

Delta R.T. -0.01 min

Lab File: BG033185.D

Acq: 15 Mar 2018 20:24

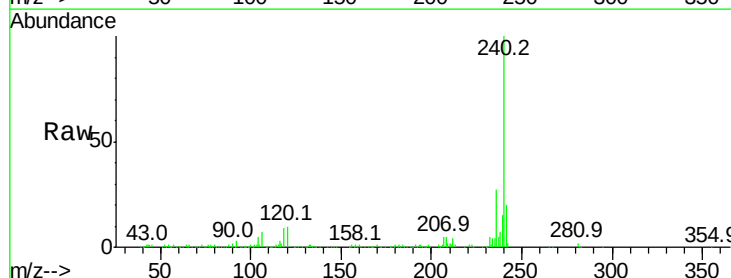
Tgt Ion:240 Resp: 209083

Ion Ratio Lower Upper

240 100

120 9.5 6.8 10.2

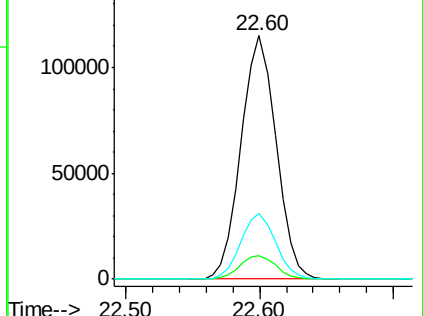
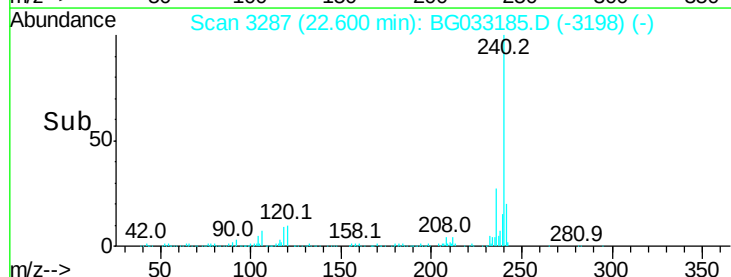
236 26.9 20.9 31.3

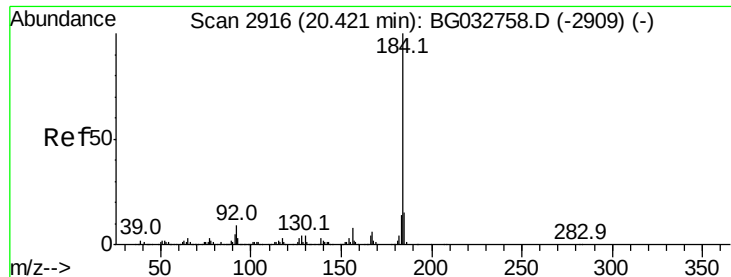


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

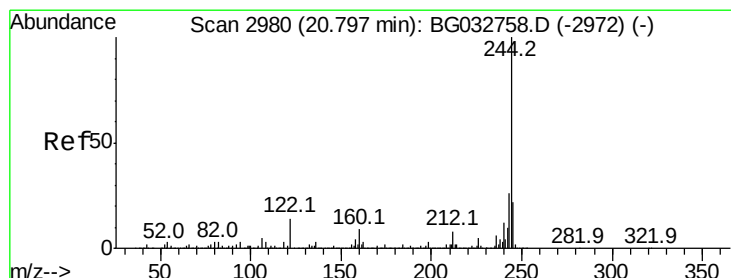
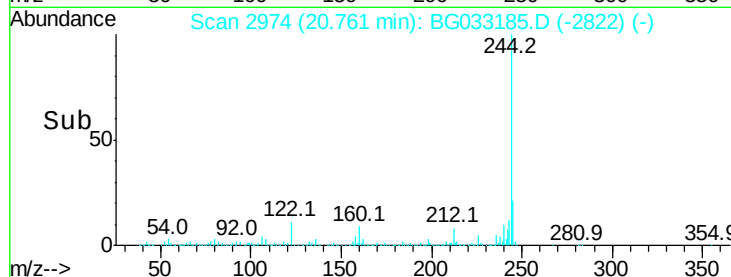
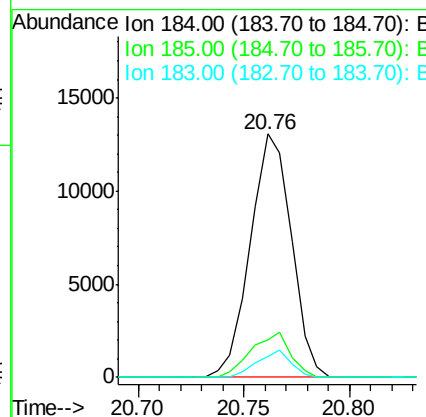
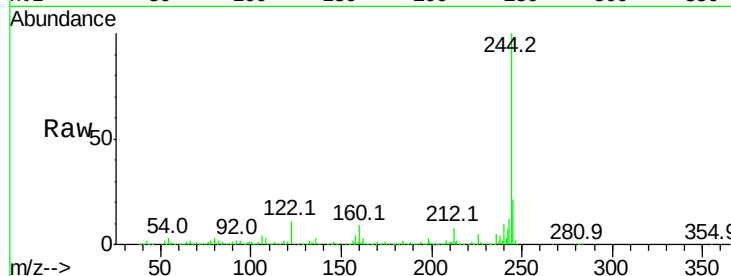




#76
Benzidine
Concen: 2.480 ng
RT: 20.76 min Scan# 2974
Delta R.T. 0.36 min
Lab File: BG033185.D
Acq: 15 Mar 2018 20:24

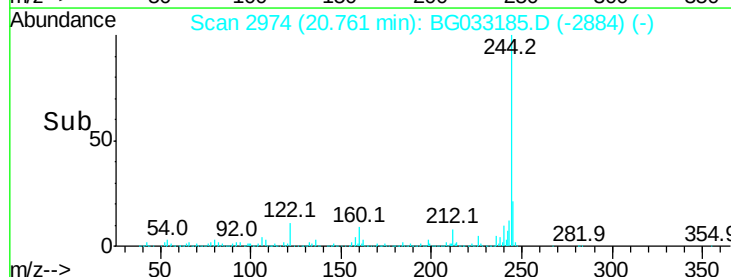
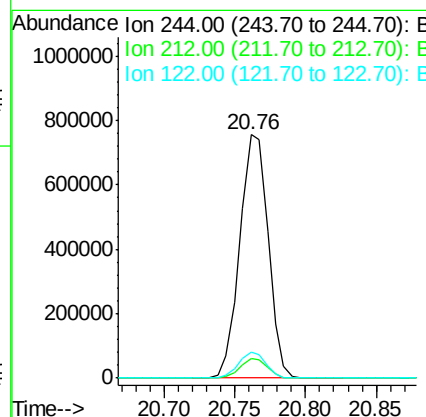
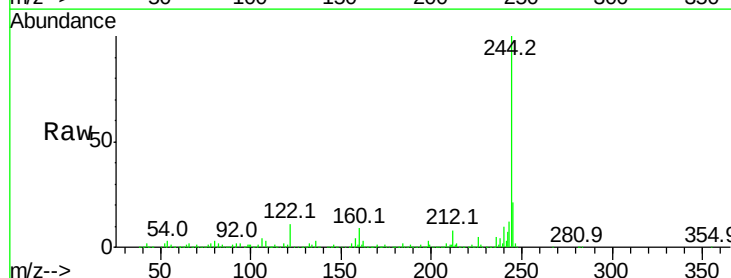
Instrument :
BNA_G
ClientSampleId :

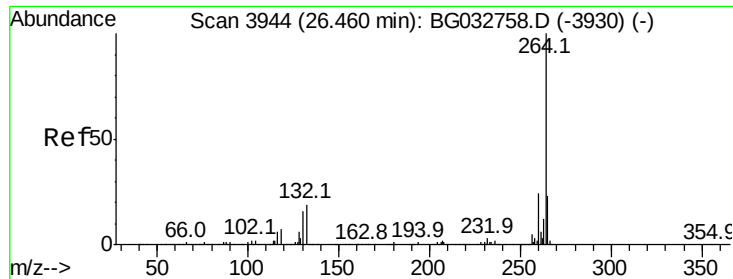
Tot Ion:184 Resp: 17672
Ion Ratio Lower Upper
184 100
185 15.5 11.1 16.7
183 8.6 10.6 16.0#



#78
Terphenyl-d14
Concen: 114.077 ng
RT: 20.76 min Scan# 2974
Delta R.T. -0.00 min
Lab File: BG033185.D
Acq: 15 Mar 2018 20:24

Tgt Ion:244 Resp: 1061614
Ion Ratio Lower Upper
244 100
212 8.0 5.8 8.8
122 10.7 7.0 10.4#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.40 min Scan# 3934
Delta R.T. -0.01 min
Lab File: BG033185.D
Acq: 15 Mar 2018 20:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	20.2	17.7	26.5

