

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011218\
 Data File : BG032030.D
 Acq On : 13 Jan 2018 8:55
 Operator : SJ/JU
 Sample : J1098-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OWS-4

Quant Time: Jan 15 09:57:27 2018
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 12 17:27:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	60790	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	247940	20.00	ng	0.00
38) Acenaphthene-d10	15.40	164	166765	20.00	ng	0.00
63) Phenanthrene-d10	18.14	188	409647	20.00	ng	0.00
75) Chrysene-d12	22.47	240	474698	20.00	ng	0.00
86) Perylene-d12	26.20	264	496100	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.20	112	445925	134.16	ng	0.00
7) Phenol-d6	7.88	99	512203	122.36	ng	0.00
23) Nitrobenzene-d5	9.97	82	352550	96.20	ng	0.00
41) 2,4,6-Tribromophenol	16.88	330	397607	144.08	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	1231519	91.57	ng	0.00
78) Terphenyl-d14	20.67	244	1814340	84.39	ng	0.00

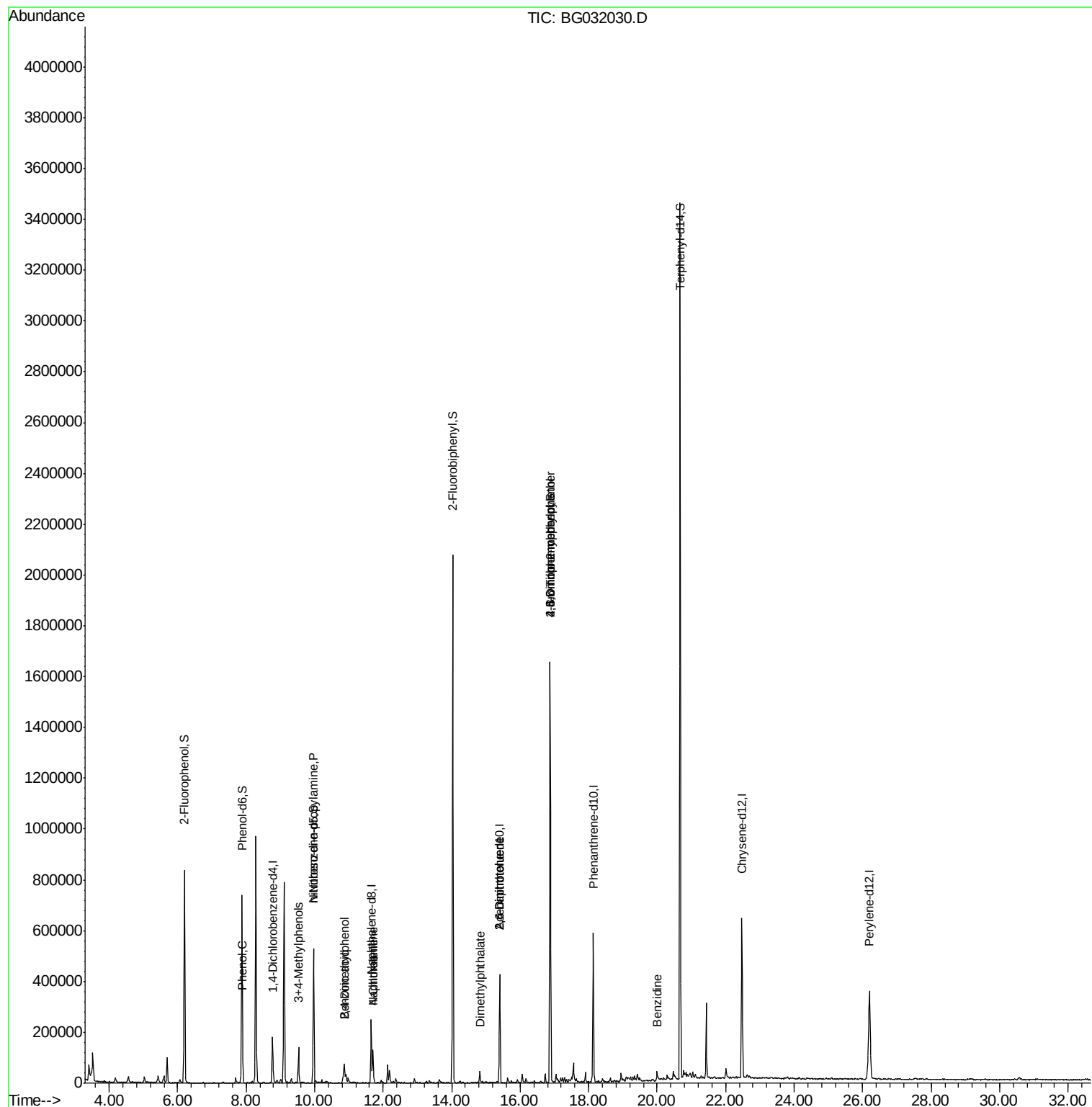
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.90	94	10475	2.540	ng	# 76
19) n-Nitroso-di-n-propylamine	9.97	70	46534	17.916	ng	# 73
20) 3+4-Methylphenols	9.53	107	76115	17.435	ng	# 89
27) 2,4-Dimethylphenol	10.86	122	49850	14.503	ng	# 1
31) Naphthalene	11.70	128	121959	9.930	ng	# 97
32) Benzoic acid	10.86	122	49850	21.355	ng	# 81
33) 4-Chloroaniline	11.70	127	17668	3.354	ng	# 25
49) Dimethylphthalate	14.82	163	33005	2.262	ng	# 93
50) 2,6-Dinitrotoluene	15.40	165	22324	7.370	ng	# 21
56) 2,4-Dinitrotoluene	15.40	165	22324	5.474	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.88	198	988	5.223	ng	# 3
66) 4-Bromophenyl-phenylether	16.88	248	31450	5.396	ng	# 1
76) Benzidine	20.00	184	49956	4.208	ng	# 80

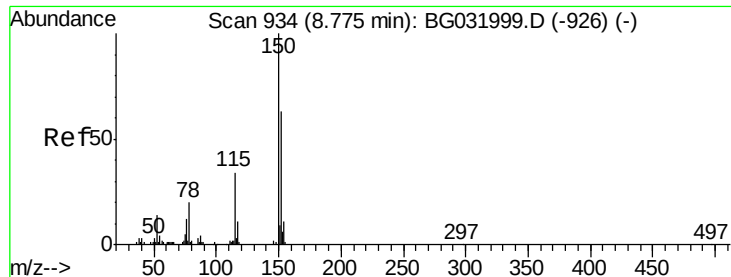
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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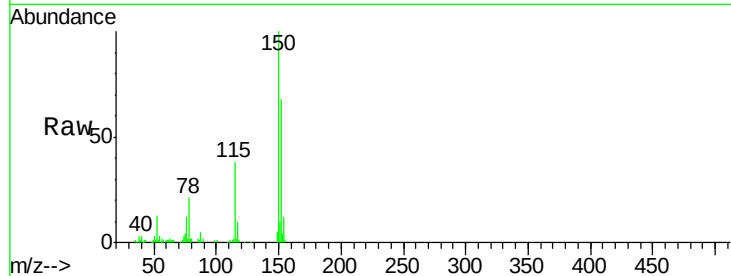


#1

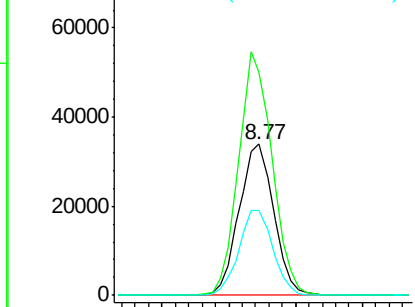
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: BG032030.D
Acq: 13 Jan 2018 8:55

Instrument :
BNA_G
ClientSampleId :
OWS-4

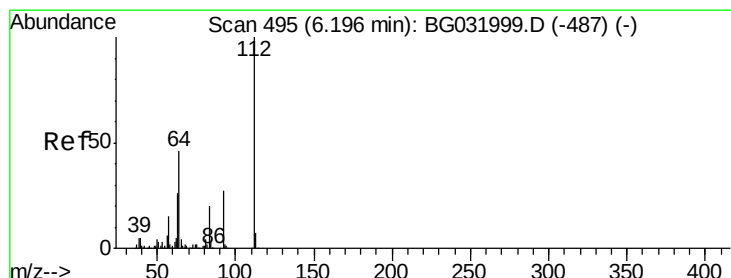
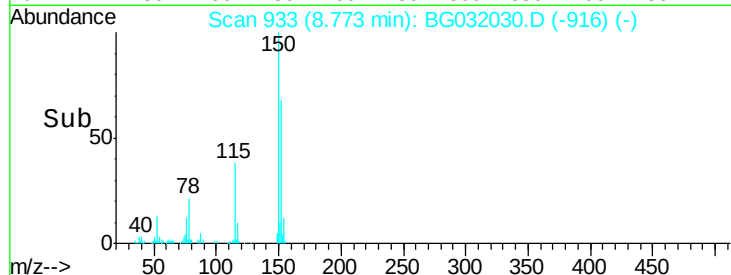
Tgt Ion:152 Resp: 60790
Ion Ratio Lower Upper
152 100
150 147.9 126.6 189.8
115 56.5 53.0 79.4



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



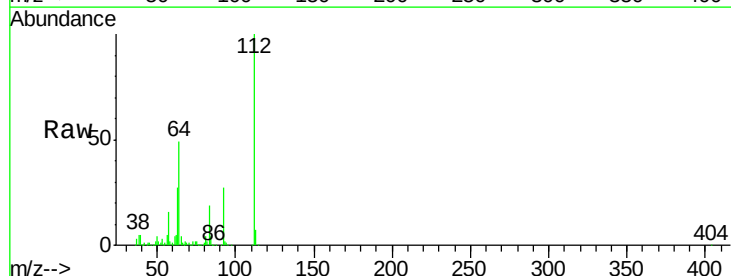
Time-->



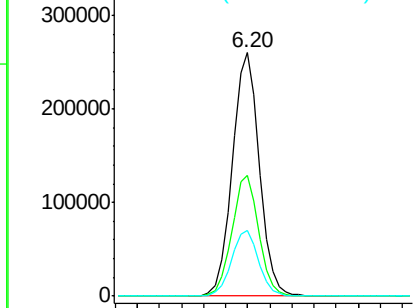
#5

2-Fluorophenol
Concen: 134.161 ng
RT: 6.20 min Scan# 495
Delta R.T. 0.00 min
Lab File: BG032030.D
Acq: 13 Jan 2018 8:55

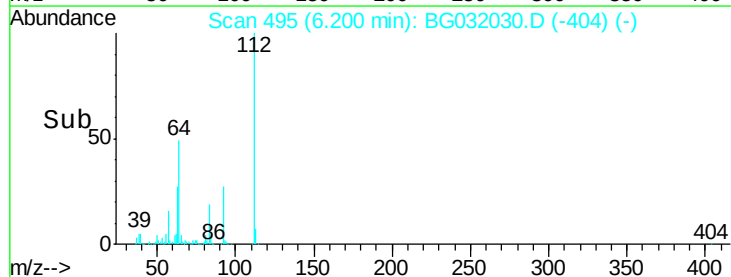
Tgt Ion:112 Resp: 445925
Ion Ratio Lower Upper
112 100
64 49.3 56.3 84.5#
63 27.2 30.1 45.1#

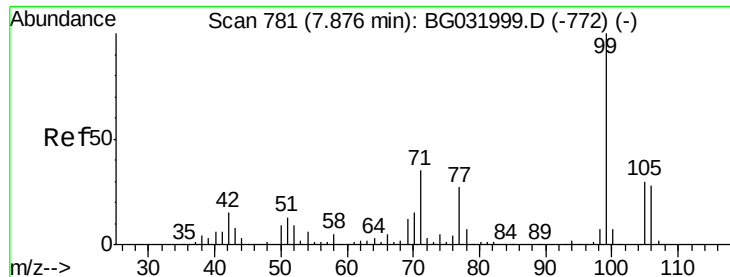


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



Time-->





#7

Phenol-d6

Concen: 122.358 ng

RT: 7.88 min Scan# 781

Delta R.T. 0.00 min

Lab File: BG032030.D

Acq: 13 Jan 2018 8:55

Instrument :

BNA_G

ClientSampled :

OWS-4

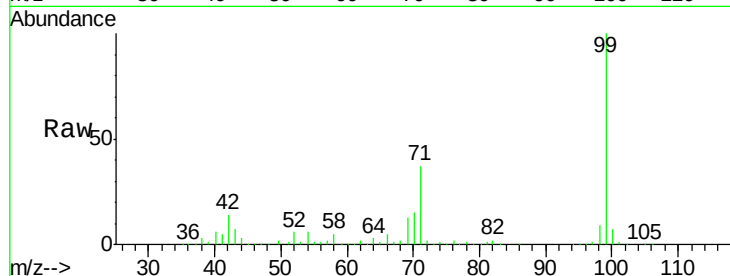
Tgt Ion: 99 Resp: 512203

Ion Ratio Lower Upper

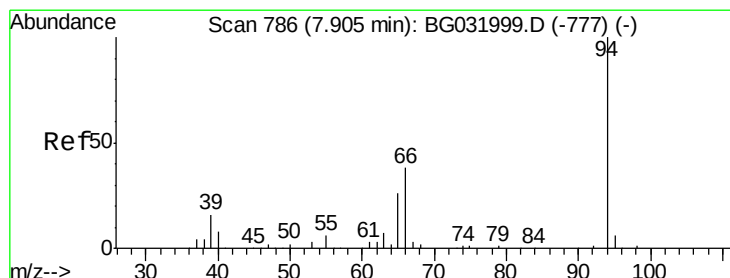
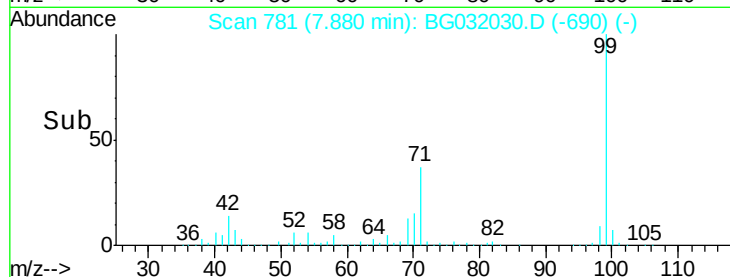
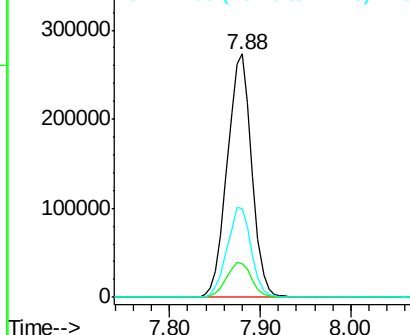
99 100

42 13.7 14.1 21.1#

71 36.7 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



#10

Phenol

Concen: 2.540 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.00 min

Lab File: BG032030.D

Acq: 13 Jan 2018 8:55

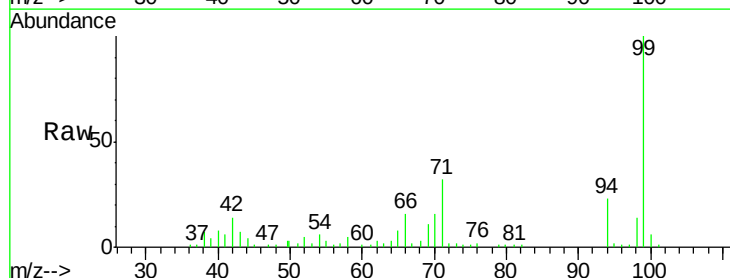
Tgt Ion: 94 Resp: 10475

Ion Ratio Lower Upper

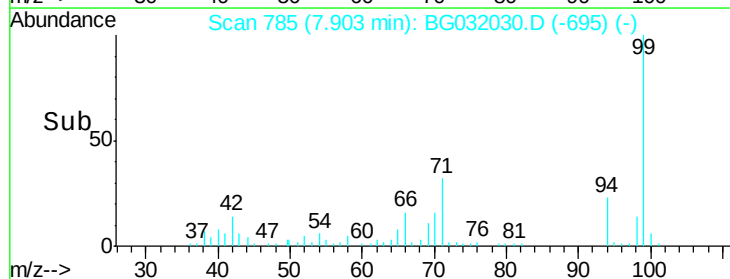
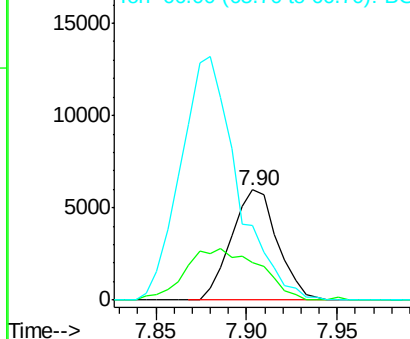
94 100

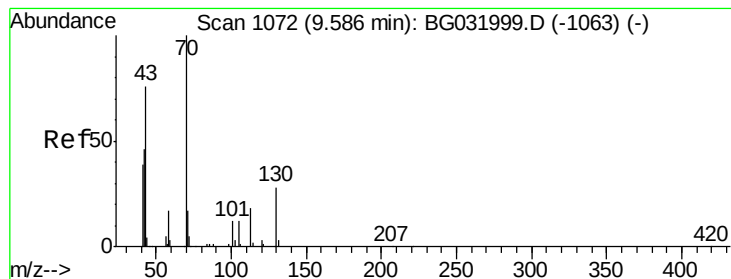
65 33.7 11.9 51.9

66 67.3 22.2 62.2#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

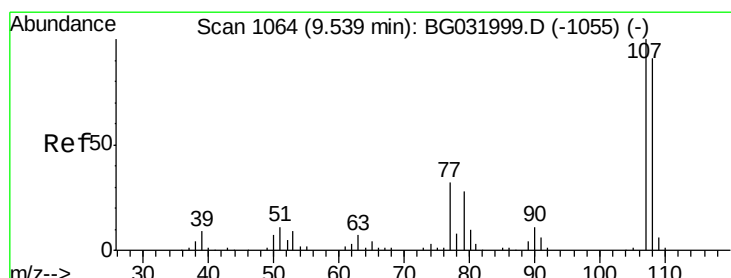
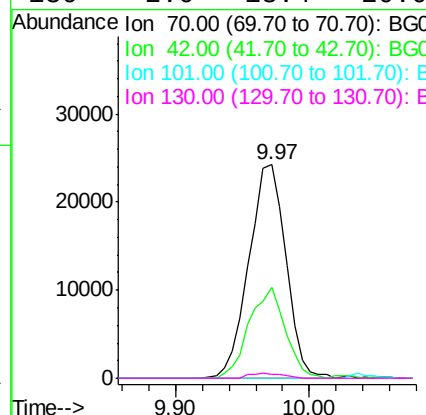
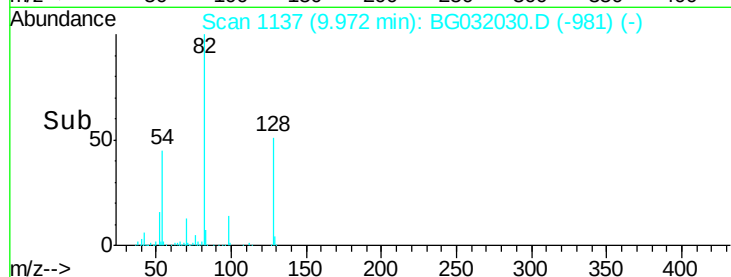
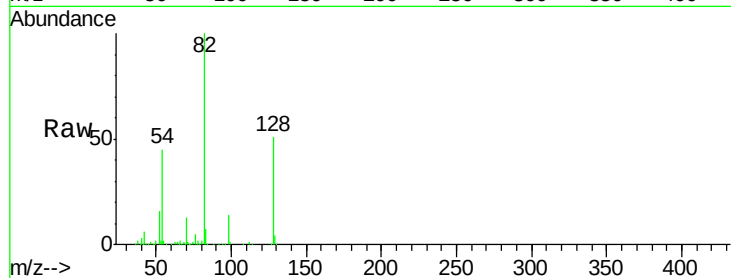




#19
n-Nitroso-di-n-propylamine
Concen: 17.916 ng
RT: 9.97 min Scan# 1137
Delta R.T. 0.39 min
Lab File: BG032030.D
Acq: 13 Jan 2018 8:55

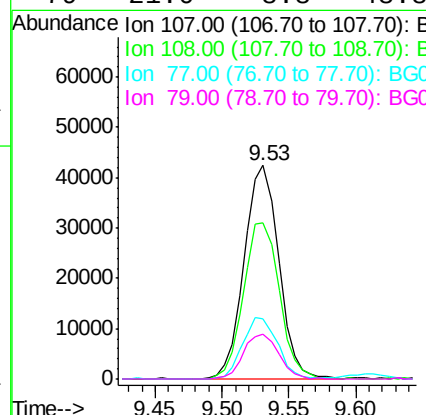
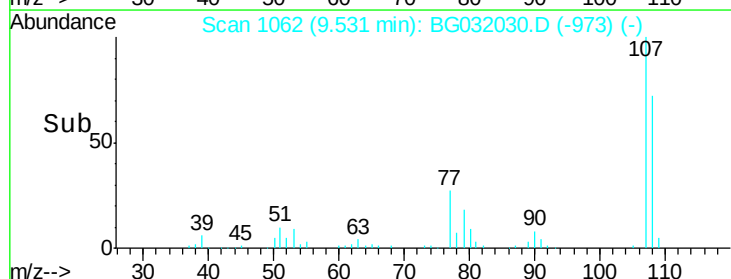
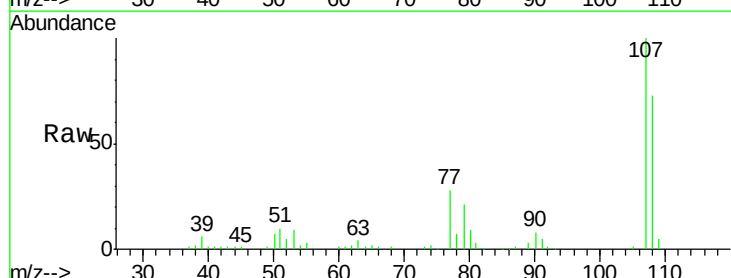
Instrument :
BNA_G
ClientSampleId :
OWS-4

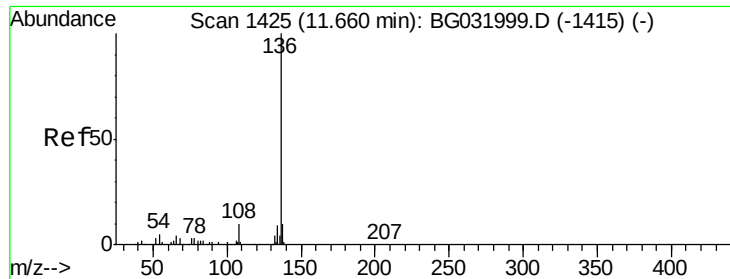
Tgt Ion: 70 Resp: 46534
Ion Ratio Lower Upper
70 100
42 42.8 49.1 73.7#
101 0.0 8.5 12.7#
130 2.0 13.4 20.0#



#20
3+4-Methylphenols
Concen: 17.435 ng
RT: 9.53 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BG032030.D
Acq: 13 Jan 2018 8:55

Tgt Ion: 107 Resp: 76115
Ion Ratio Lower Upper
107 100
108 73.3 61.6 101.6
77 27.9 13.9 53.9
79 21.0 8.8 48.8

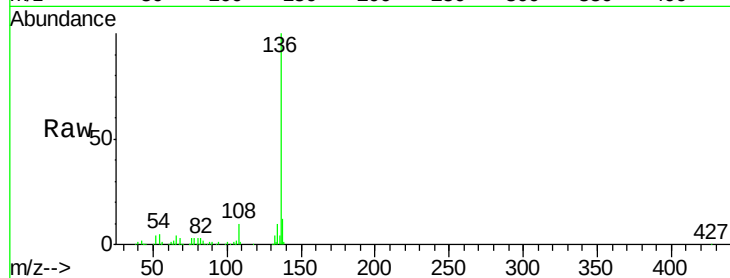




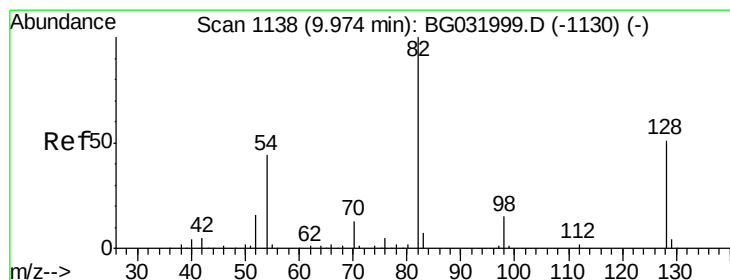
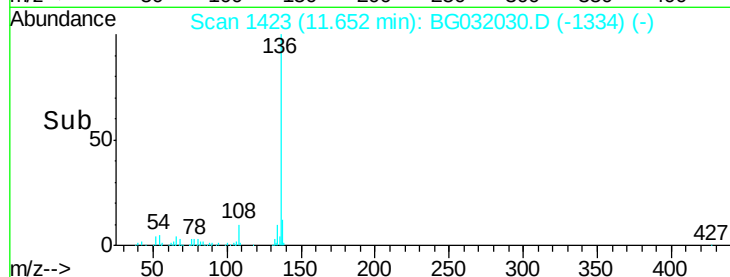
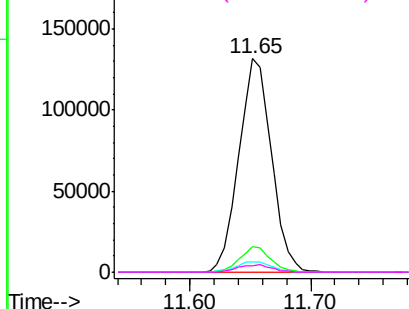
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032030.D
Acq: 13 Jan 2018 8:55

Instrument :
BNA_G
ClientSampleId :
OWS-4

Tgt Ion:	136	Resp:	247940
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.2	13.8
54	5.1	10.3	15.5#
68	3.2	4.5	6.7#

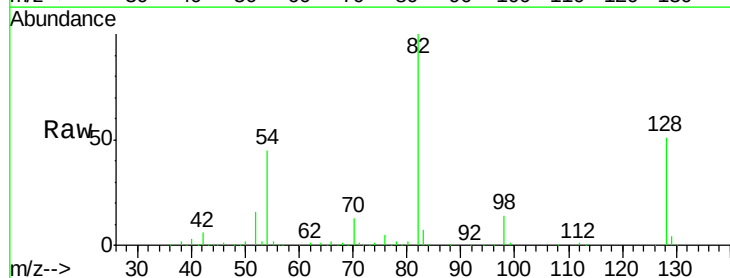


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

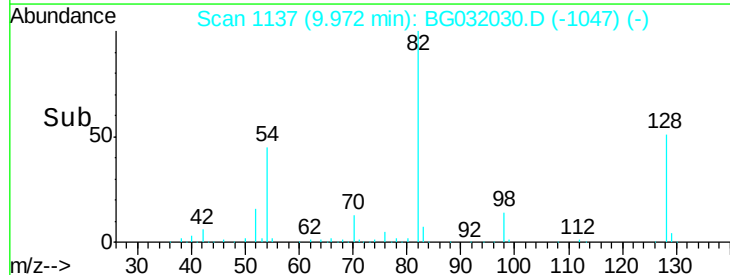
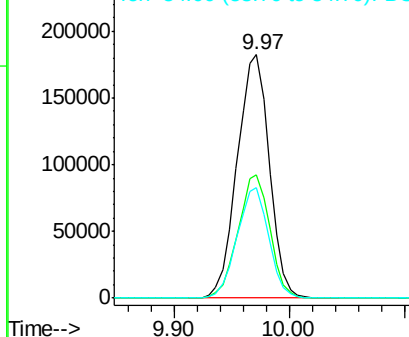


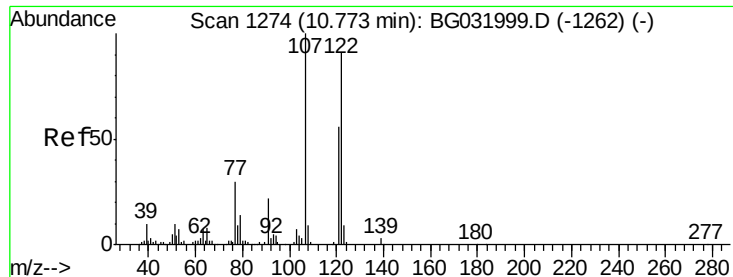
#23
Nitrobenzene-d5
Concen: 96.199 ng
RT: 9.97 min Scan# 1137
Delta R.T. -0.00 min
Lab File: BG032030.D
Acq: 13 Jan 2018 8:55

Tgt Ion:	82	Resp:	352550
Ion	Ratio	Lower	Upper
82	100		
128	50.8	29.7	44.5#
54	45.4	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

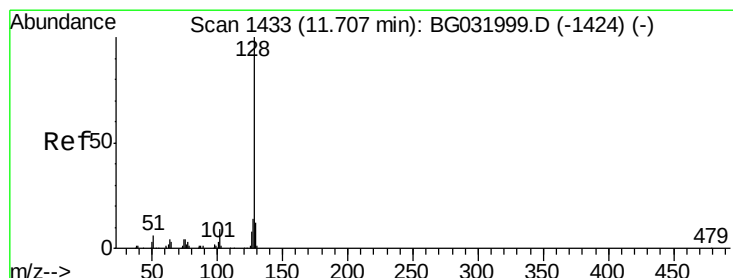
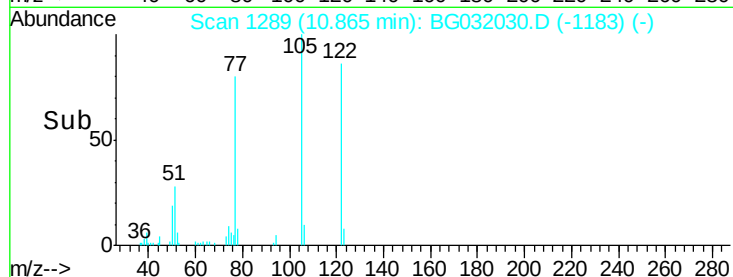
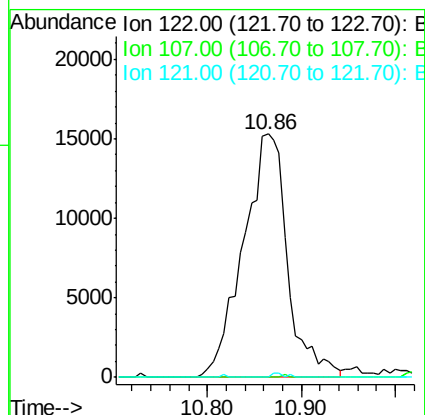
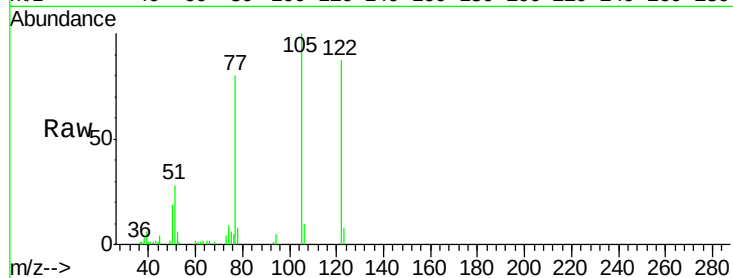




#27
2,4-Dimethylphenol
Concen: 14.503 ng
RT: 10.86 min Scan# 1289
Delta R.T. 0.09 min
Lab File: BG032030.D
Acq: 13 Jan 2018 8:55

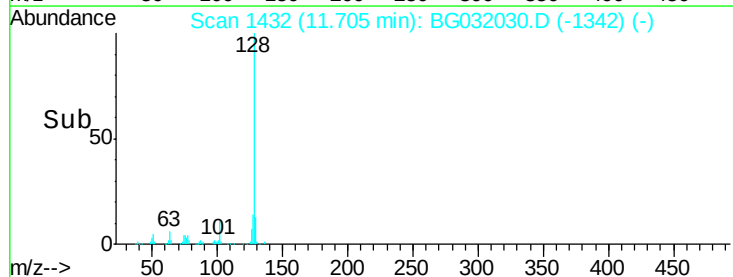
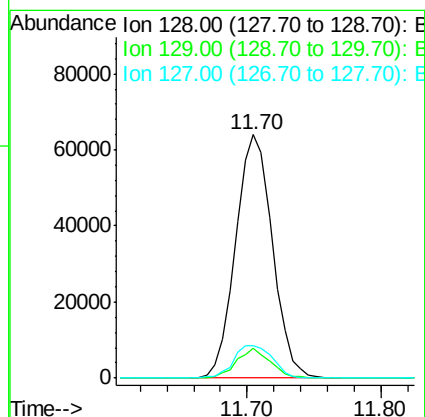
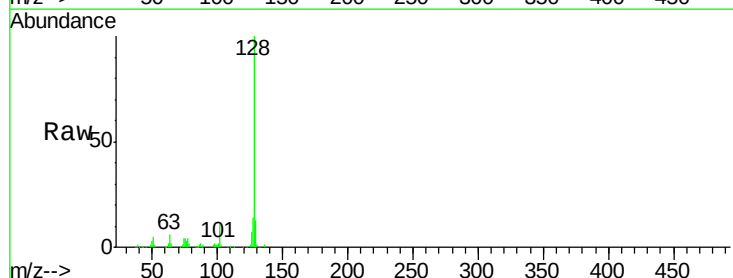
Instrument :
BNA_G
ClientSampleId :
OWS-4

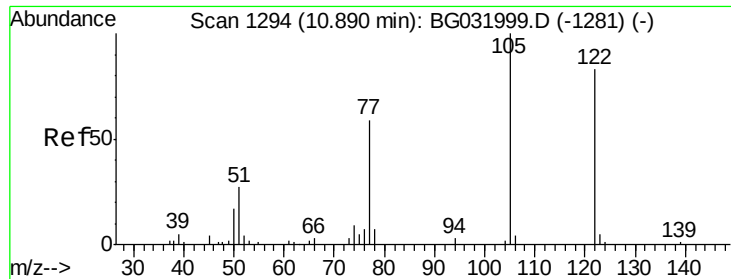
Tgt Ion:122 Resp: 49850
Ion Ratio Lower Upper
122 100
107 0.0 100.2 150.2#
121 0.0 44.4 66.6#



#31
Naphthalene
Concen: 9.930 ng
RT: 11.70 min Scan# 1432
Delta R.T. -0.00 min
Lab File: BG032030.D
Acq: 13 Jan 2018 8:55

Tgt Ion:128 Resp: 121959
Ion Ratio Lower Upper
128 100
129 12.5 8.6 12.8
127 13.5 11.6 17.4





#32

Benzoic acid

Concen: 21.355 ng

RT: 10.86 min Scan# 1289

Delta R.T. -0.03 min

Lab File: BG032030.D

Acq: 13 Jan 2018 8:55

Instrument :

BNA_G

ClientSampleId :

OWS-4

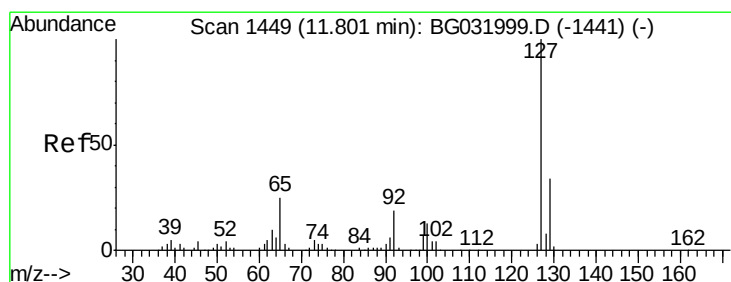
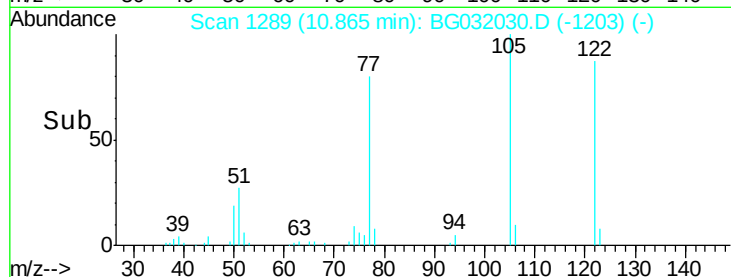
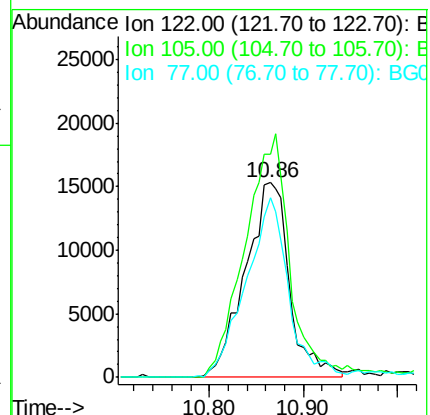
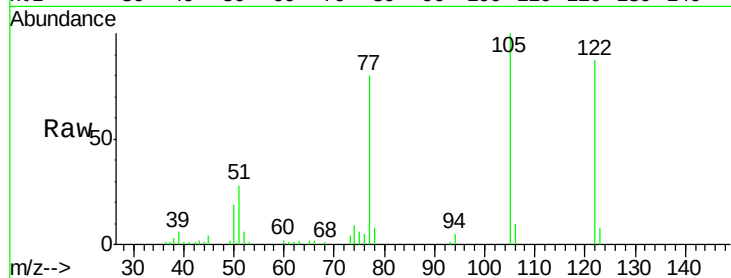
Tgt Ion:122 Resp: 49850

Ion Ratio Lower Upper

122 100

105 114.7 123.5 163.5#

77 92.1 85.7 125.7



#33

4-Chloroaniline

Concen: 3.354 ng

RT: 11.70 min Scan# 1432

Delta R.T. -0.10 min

Lab File: BG032030.D

Acq: 13 Jan 2018 8:55

Tgt Ion:127 Resp: 17668

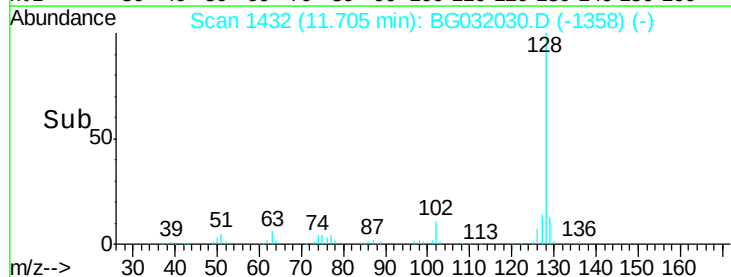
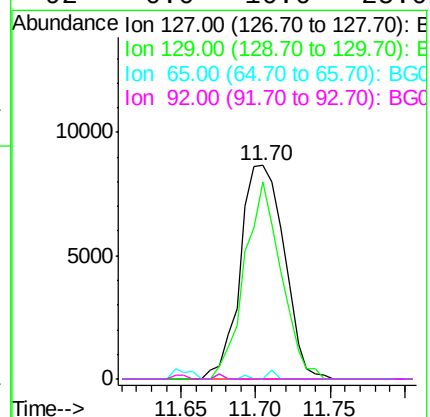
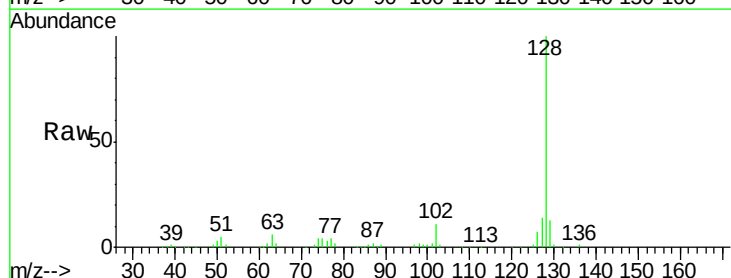
Ion Ratio Lower Upper

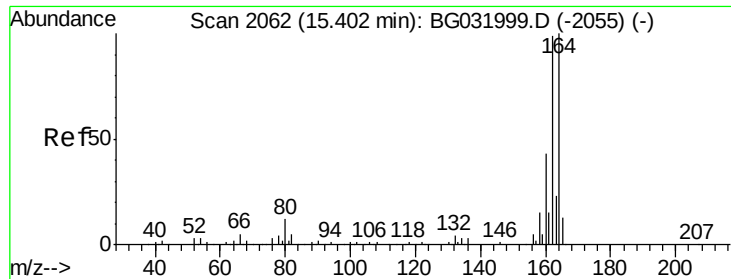
127 100

129 92.5 24.0 36.0#

65 0.0 27.0 40.4#

92 0.0 16.6 25.0#

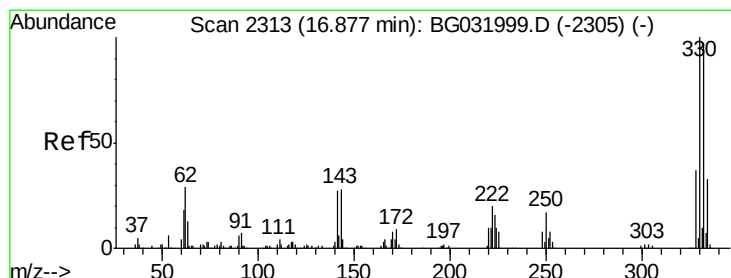
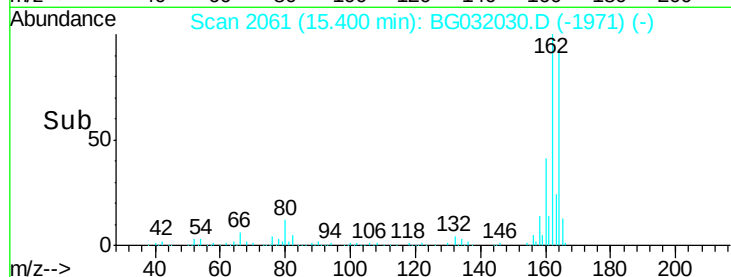
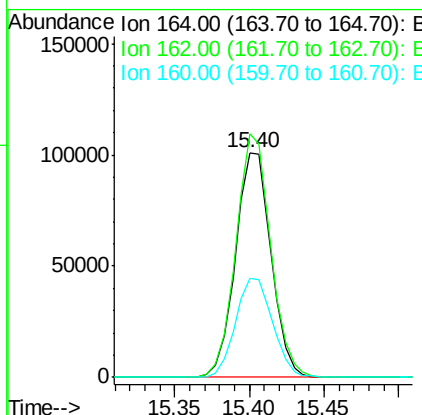
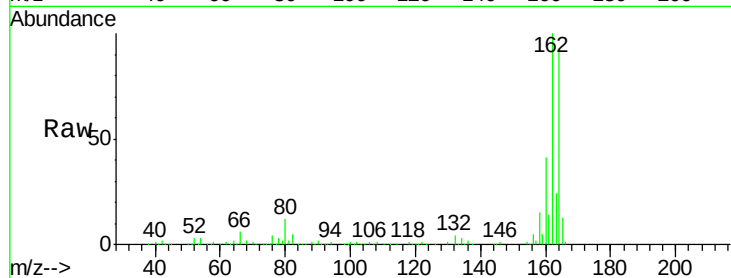




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.00 min
Lab File: BG032030.D
Acq: 13 Jan 2018 8:55

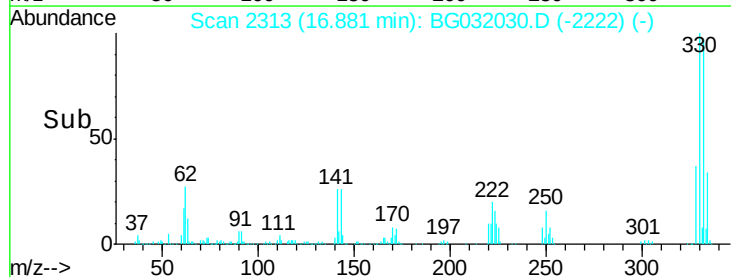
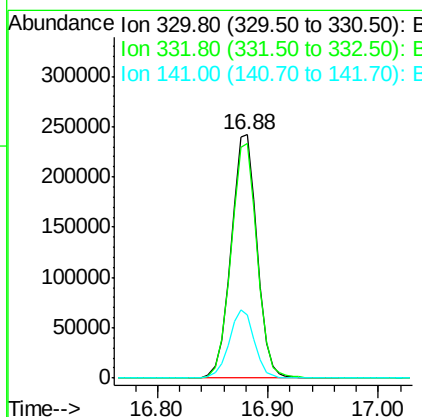
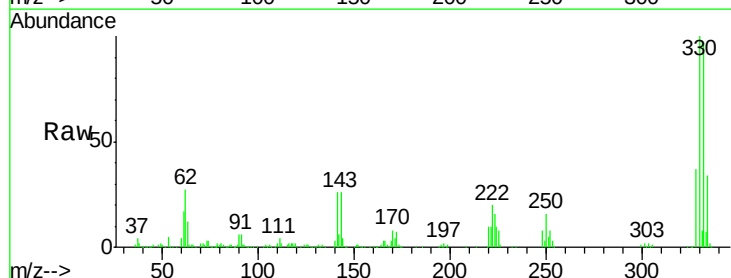
Instrument :
BNA_G
ClientSampleId :
OWS-4

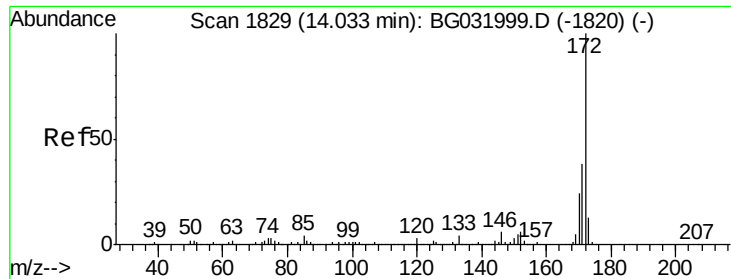
Tgt Ion:164 Resp: 166765
Ion Ratio Lower Upper
164 100
162 108.4 78.8 118.2
160 44.2 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 144.083 ng
RT: 16.88 min Scan# 2313
Delta R.T. 0.00 min
Lab File: BG032030.D
Acq: 13 Jan 2018 8:55

Tgt Ion:330 Resp: 397607
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.6
141 27.5 25.2 37.8

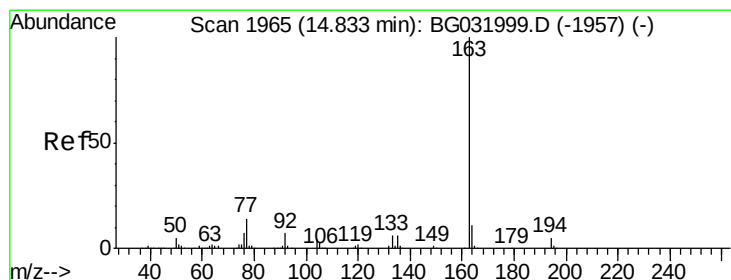
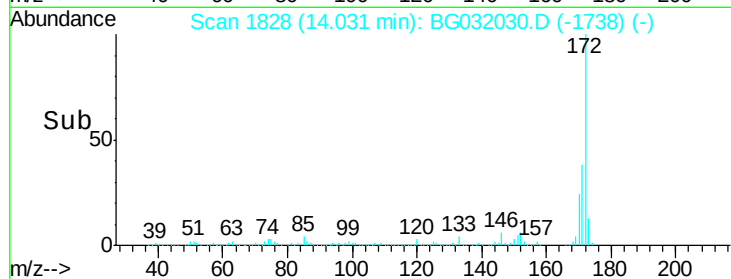
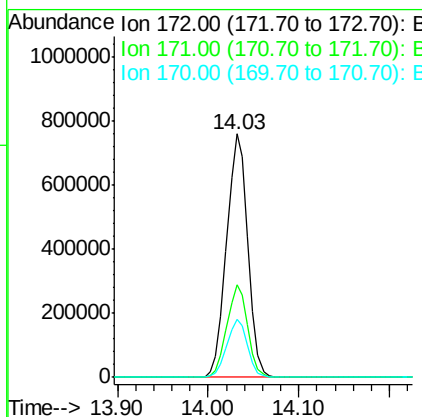
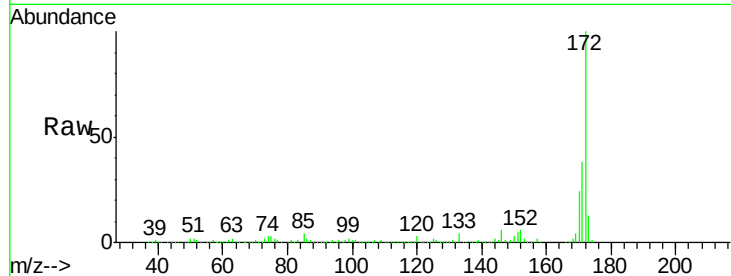




#44
2-Fluorobiphenyl
Concen: 91.567 ng
RT: 14.03 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BG032030.D
Acq: 13 Jan 2018 8:55

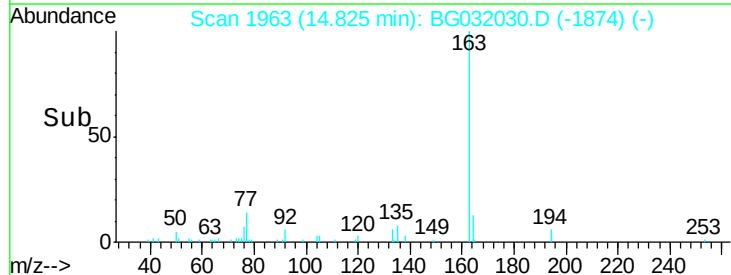
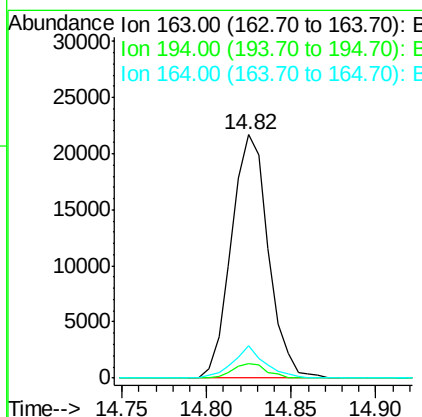
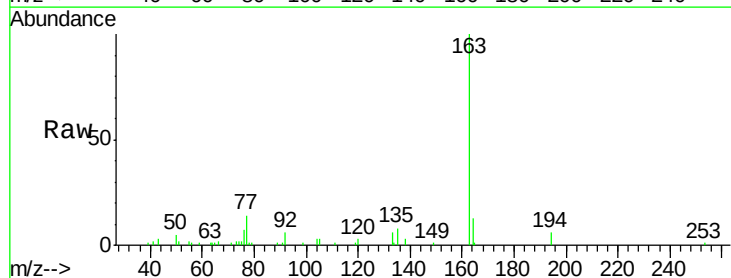
Instrument :
BNA_G
ClientSampleId :
OWS-4

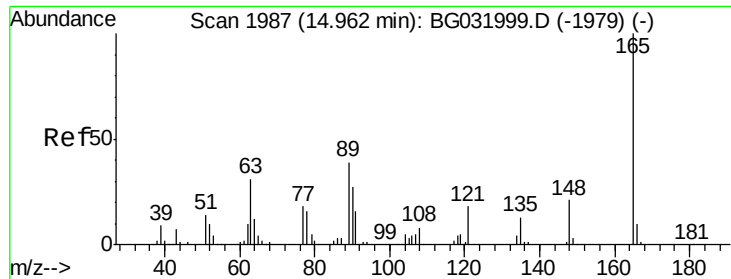
Tgt Ion:172 Resp: 1231519
Ion Ratio Lower Upper
172 100
171 38.0 30.0 45.0
170 23.7 19.5 29.3



#49
Dimethylphthalate
Concen: 2.262 ng
RT: 14.82 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BG032030.D
Acq: 13 Jan 2018 8:55

Tgt Ion:163 Resp: 33005
Ion Ratio Lower Upper
163 100
194 6.0 3.4 5.2#
164 13.1 8.2 12.4#

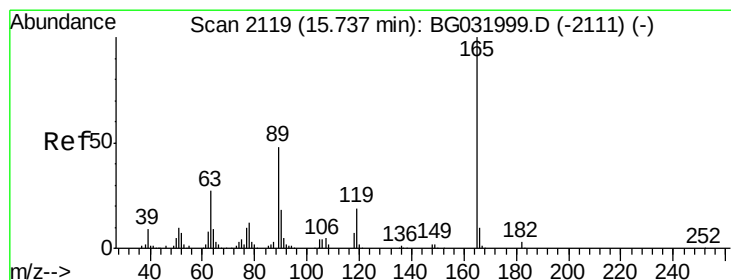
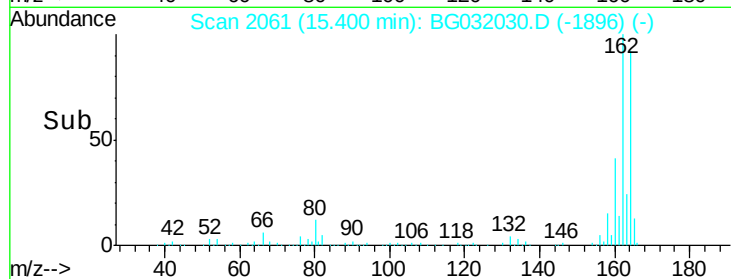
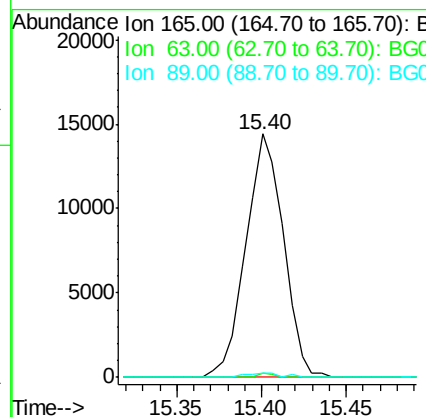
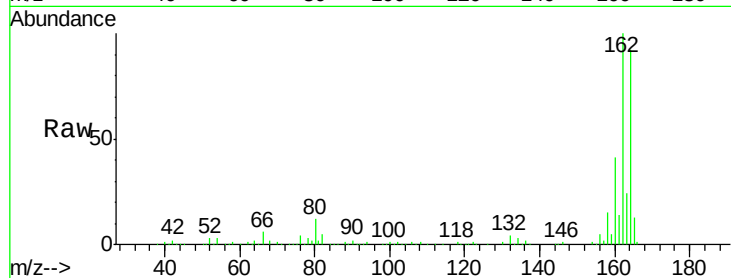




#50
 2,6-Dinitrotoluene
 Concen: 7.370 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. 0.44 min
 Lab File: BG032030.D
 Acq: 13 Jan 2018 8:55

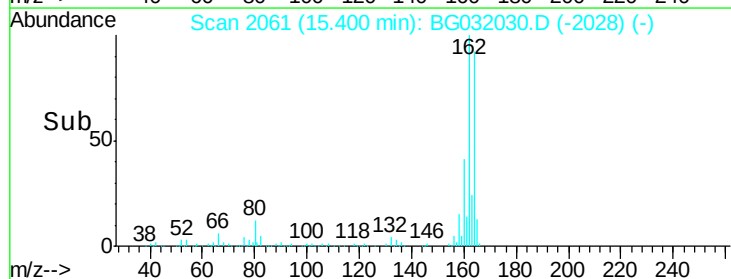
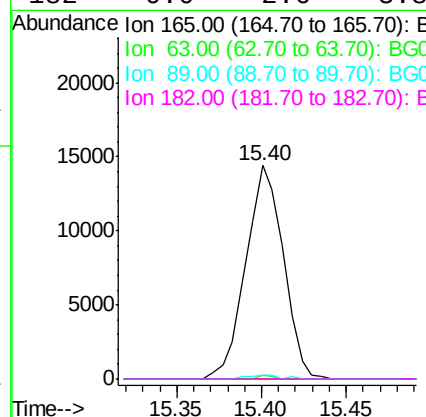
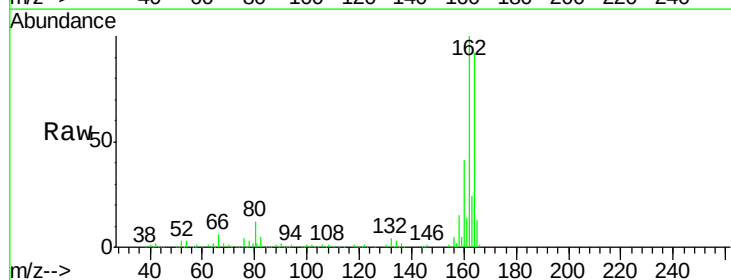
Instrument :
 BNA_G
 ClientSampleId :
 OWS-4

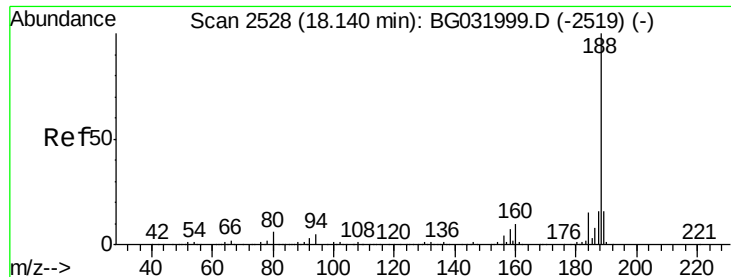
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	52.7	79.1#
89	1.8	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.474 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. -0.34 min
 Lab File: BG032030.D
 Acq: 13 Jan 2018 8:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.0	63.0#
89	1.8	66.9	100.3#
182	0.0	2.6	3.8#

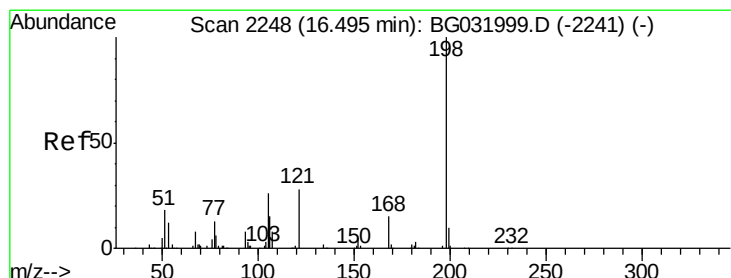
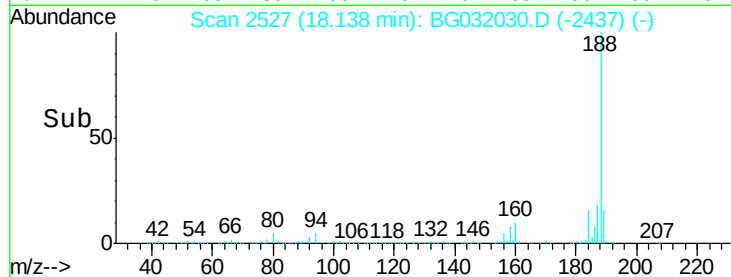
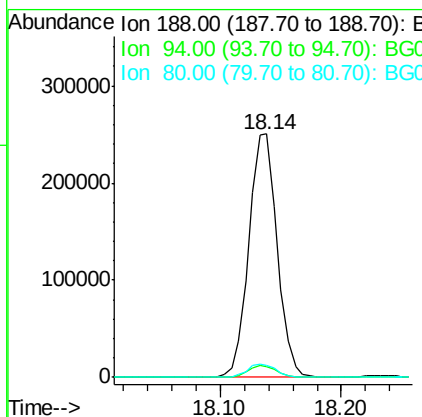
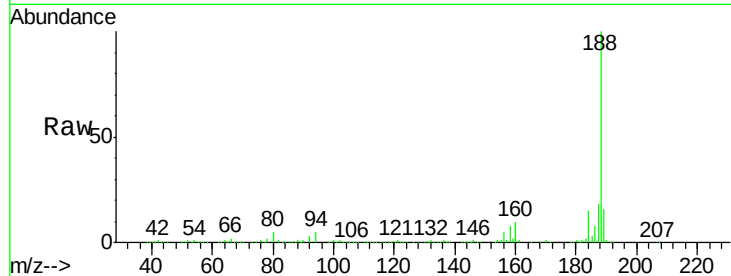




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.14 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: BG032030.D
 Acq: 13 Jan 2018 8:55

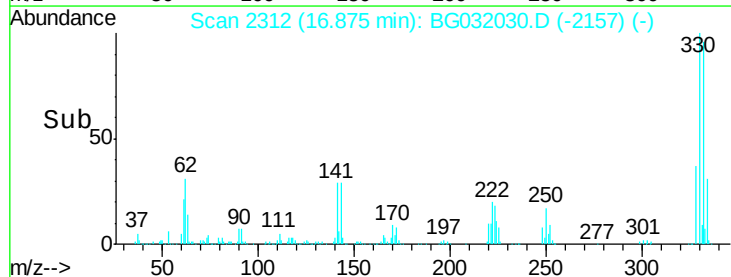
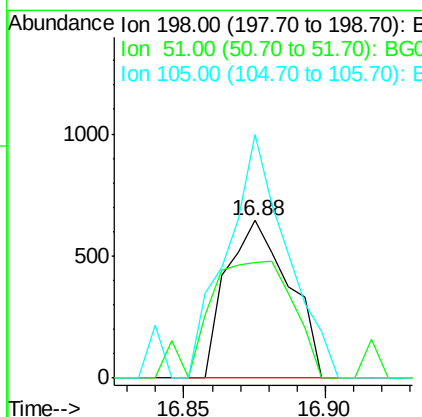
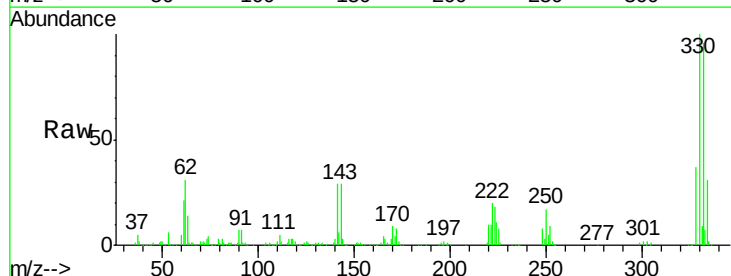
Instrument :
 BNA_G
 ClientSampleId :
 OWS-4

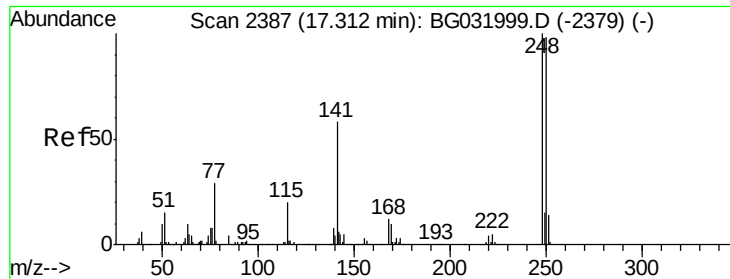
Tgt Ion:188 Resp: 409647
 Ion Ratio Lower Upper
 188 100
 94 4.6 6.9 10.3#
 80 5.1 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.223 ng
 RT: 16.88 min Scan# 2312
 Delta R.T. 0.38 min
 Lab File: BG032030.D
 Acq: 13 Jan 2018 8:55

Tgt Ion:198 Resp: 988
 Ion Ratio Lower Upper
 198 100
 51 73.7 30.6 70.6#
 105 154.3 23.8 63.8#

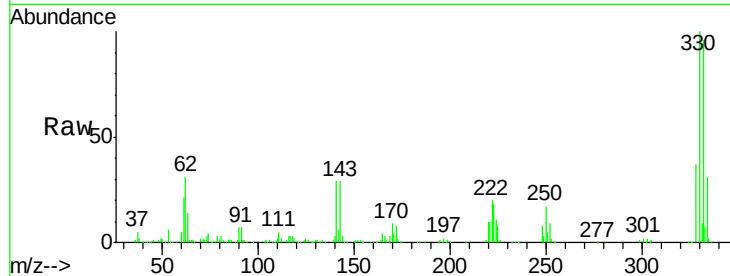




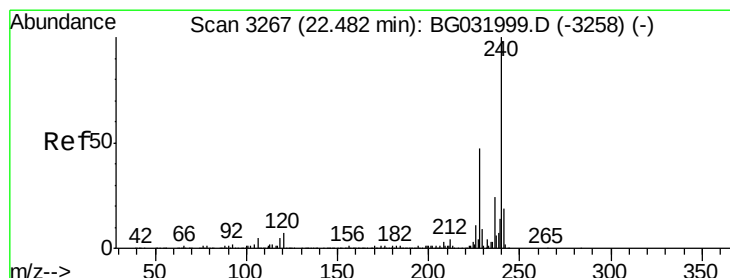
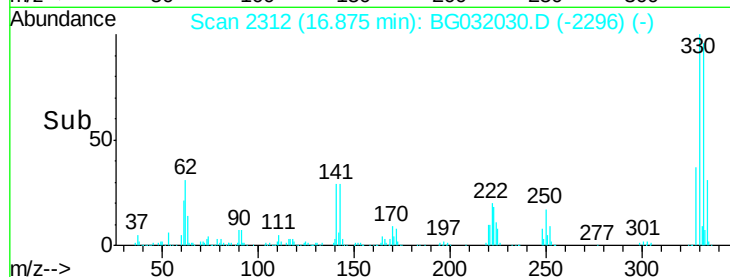
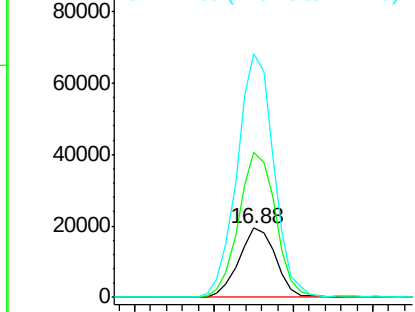
#66
4-Bromophenyl-phenylether
Concen: 5.396 ng
RT: 16.88 min Scan# 2312
Delta R.T. -0.44 min
Lab File: BG032030.D
Acq: 13 Jan 2018 8:55

Instrument :
BNA_G
ClientSampleId :
OWS-4

Tgt Ion:248 Resp: 31450
Ion Ratio Lower Upper
248 100
250 209.8 77.1 115.7#
141 351.2 50.8 76.2#

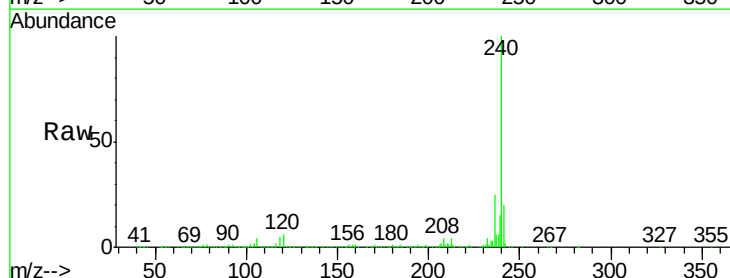


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

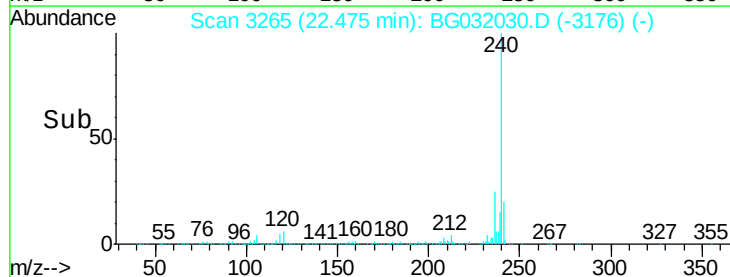
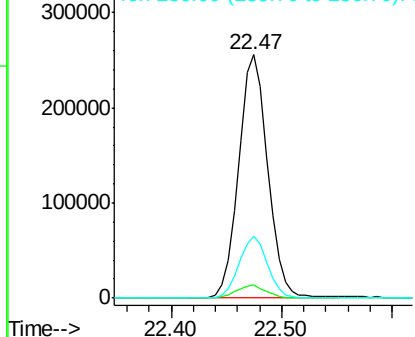


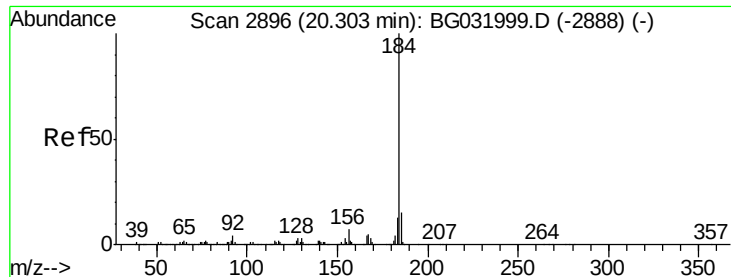
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.47 min Scan# 3265
Delta R.T. -0.01 min
Lab File: BG032030.D
Acq: 13 Jan 2018 8:55

Tgt Ion:240 Resp: 474698
Ion Ratio Lower Upper
240 100
120 5.6 6.8 10.2#
236 25.5 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





#76

Benzidine

Concen: 4.208 ng

RT: 20.00 min Scan# 2843

Delta R.T. -0.31 min

Lab File: BG032030.D

Acq: 13 Jan 2018 8:55

Instrument :

BNA_G

ClientSampleId :

OWS-4

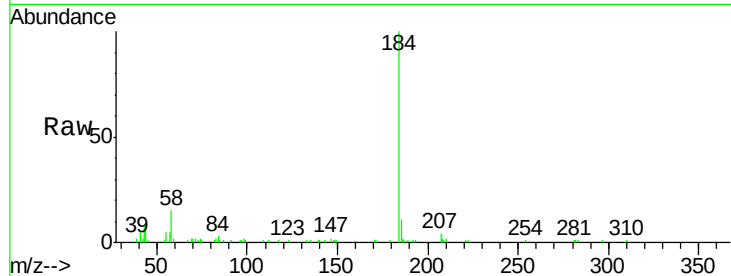
Tgt Ion:184 Resp: 49956

Ion Ratio Lower Upper

184 100

185 11.1 11.1 16.7#

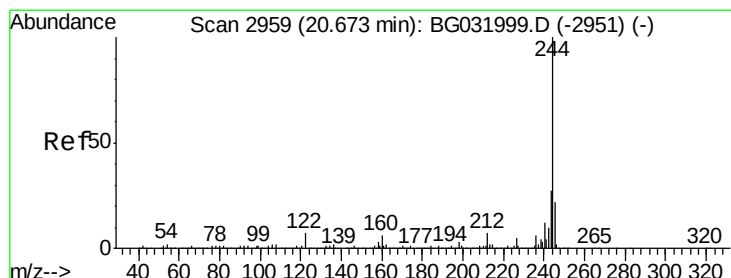
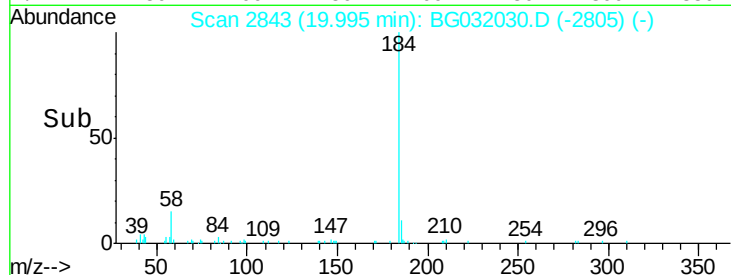
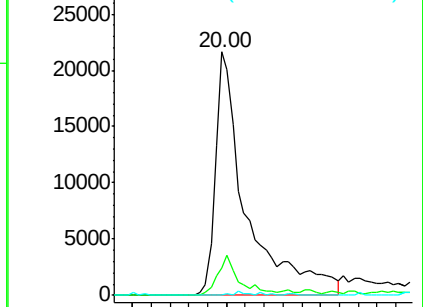
183 0.0 10.6 16.0#



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: 84.393 ng

RT: 20.67 min Scan# 2958

Delta R.T. -0.00 min

Lab File: BG032030.D

Acq: 13 Jan 2018 8:55

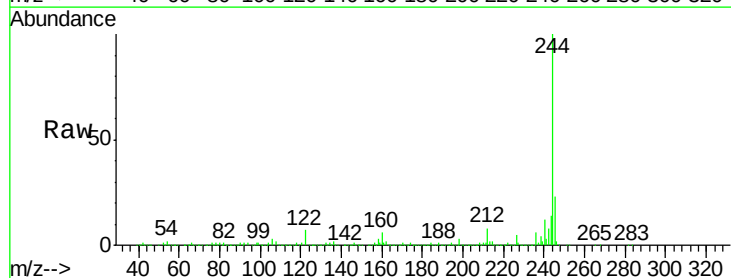
Tgt Ion:244 Resp: 1814340

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

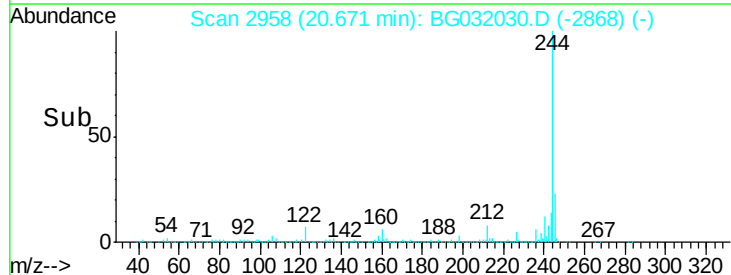
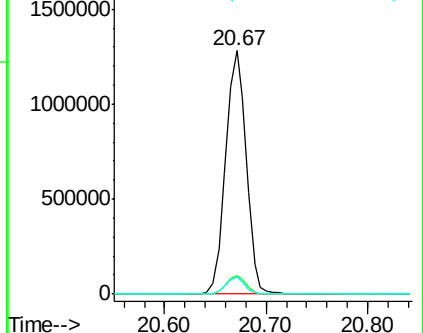
122 6.9 7.0 10.4#

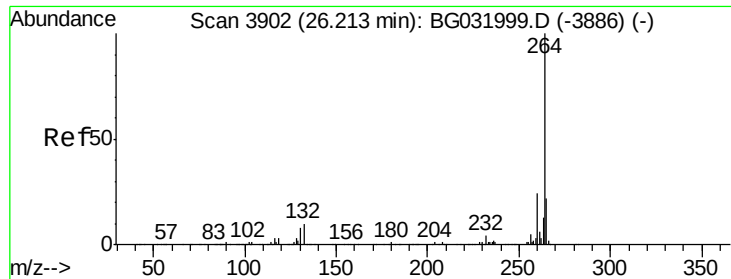


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.20 min Scan# 3899
Delta R.T. -0.01 min
Lab File: BG032030.D
Acq: 13 Jan 2018 8:55

Instrument :
BNA_G
ClientSampleId :
OWS-4

Tgt Ion: 264 Resp: 496100
Ion Ratio Lower Upper
264 100
260 24.3 17.4 26.0
265 22.4 17.7 26.5

