

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011218\
 Data File : BG032029.D
 Acq On : 13 Jan 2018 8:17
 Operator : SJ/JU
 Sample : J1098-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OWS-3

Quant Time: Jan 15 09:57:13 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	60513	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	248675	20.00	ng	0.00
38) Acenaphthene-d10	15.40	164	168161	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	415416	20.00	ng	0.00
75) Chrysene-d12	22.48	240	491257	20.00	ng	0.00
86) Perylene-d12	26.20	264	509617	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	405951	122.69	ng	0.00
7) Phenol-d6	7.88	99	465109	111.62	ng	0.00
23) Nitrobenzene-d5	9.97	82	322623	87.77	ng	0.00
41) 2,4,6-Tribromophenol	16.88	330	366691	131.78	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	1140548	84.10	ng	0.00
78) Terphenyl-d14	20.67	244	1970403	88.56	ng	0.00
Target Compounds						
17) 2-Methylphenol	9.53	107	88899	28.338	ng	# 73
19) n-Nitroso-di-n-propylamine	9.97	70	43919	16.987	ng	# 68
20) 3+4-Methylphenols	9.53	107	88899	20.456	ng	94
32) Benzoic acid	10.89	122	361	5.372	ng	# 7
50) 2,6-Dinitrotoluene	15.40	165	21185	6.936	ng	# 19
56) 2,4-Dinitrotoluene	15.40	165	21185	5.152	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.40	198	54	4.903	ng	# 29
66) 4-Bromophenyl-phenylether	16.88	248	29302	4.958	ng	# 1
76) Benzidine	20.67	184	27257	2.219	ng	# 96

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

```
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011218\
Data File : BG032029.D
Acq On    : 13 Jan 2018    8:17
Operator  : SJ/JU
Sample    : J1098-03
Misc      :
ALS Vial  : 24    Sample Multiplier: 1
```

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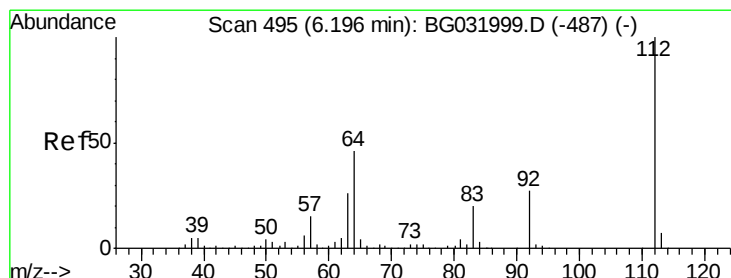
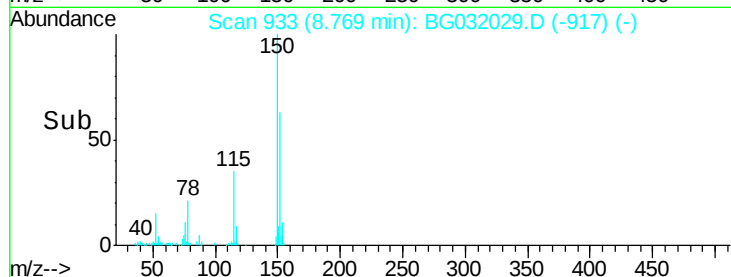
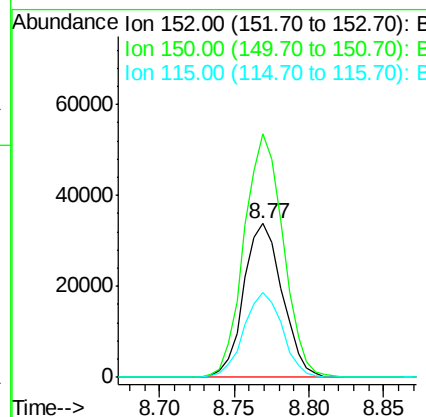
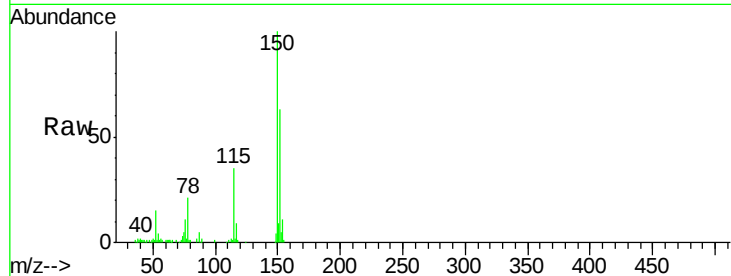


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.77 min Scan# 933
Delta R.T. -0.01 min
Lab File: BG032029.D
Acq: 13 Jan 2018 8:17

Instrument :
BNA_G
ClientSampleId :
OWS-3

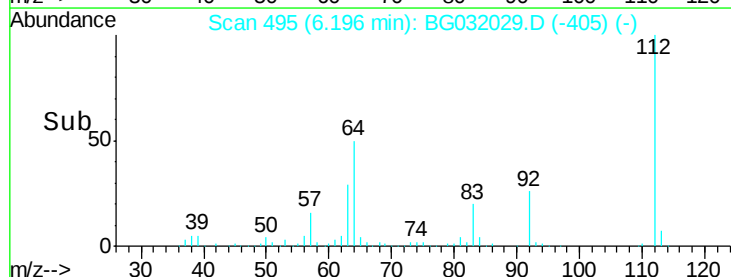
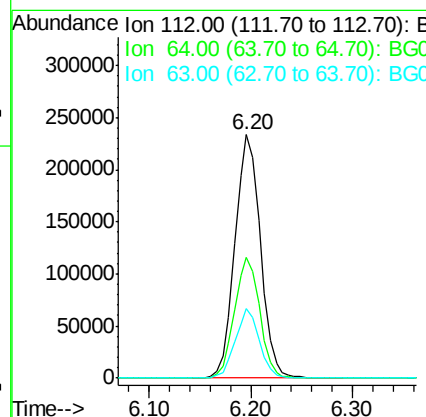
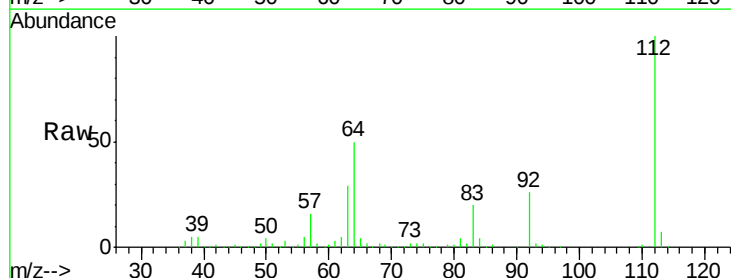
Tgt Ion:152 Resp: 60513
Ion Ratio Lower Upper
152 100
150 158.6 126.6 189.8
115 55.5 53.0 79.4

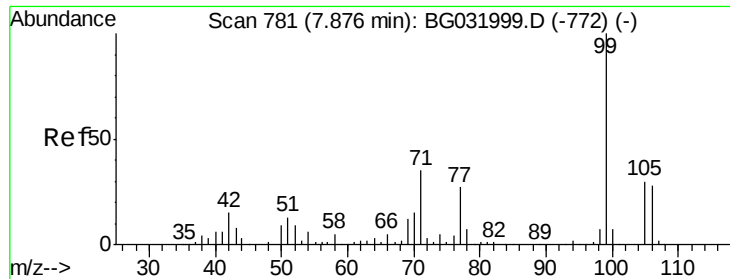


#5

2-Fluorophenol
Concen: 122.694 ng
RT: 6.20 min Scan# 495
Delta R.T. 0.00 min
Lab File: BG032029.D
Acq: 13 Jan 2018 8:17

Tgt Ion:112 Resp: 405951
Ion Ratio Lower Upper
112 100
64 49.6 56.3 84.5#
63 28.6 30.1 45.1#





#7

Phenol-d6

Concen: 111.616 ng

RT: 7.88 min Scan# 781

Delta R.T. 0.00 min

Lab File: BG032029.D

Acq: 13 Jan 2018 8:17

Instrument :

BNA_G

ClientSampleId :

OWS-3

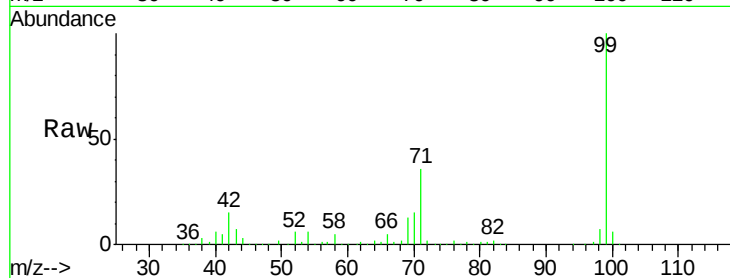
Tgt Ion: 99 Resp: 465109

Ion Ratio Lower Upper

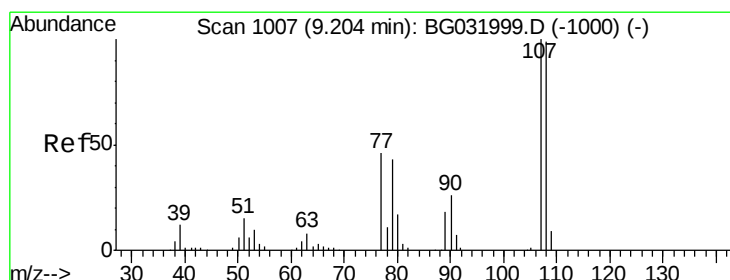
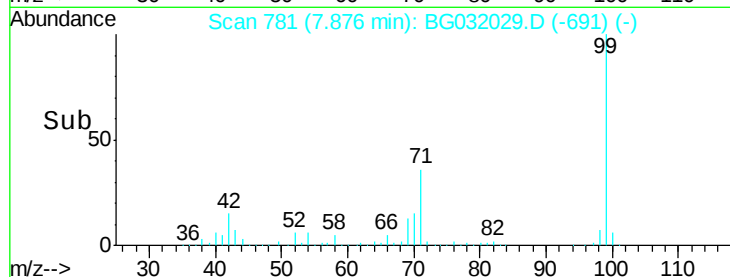
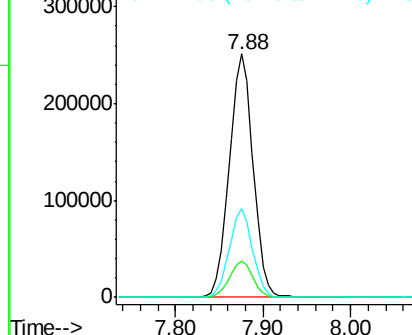
99 100

42 15.2 14.1 21.1

71 36.5 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: 28.338 ng

RT: 9.53 min Scan# 1062

Delta R.T. 0.32 min

Lab File: BG032029.D

Acq: 13 Jan 2018 8:17

Tgt Ion: 107 Resp: 88899

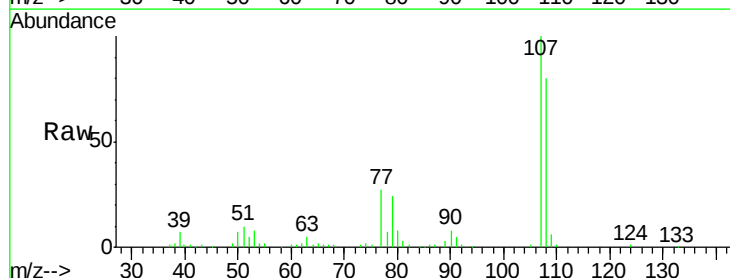
Ion Ratio Lower Upper

107 100

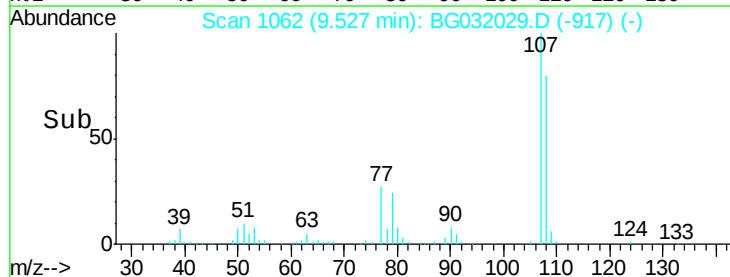
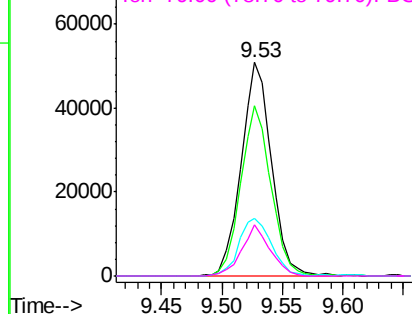
108 79.7 83.9 125.9#

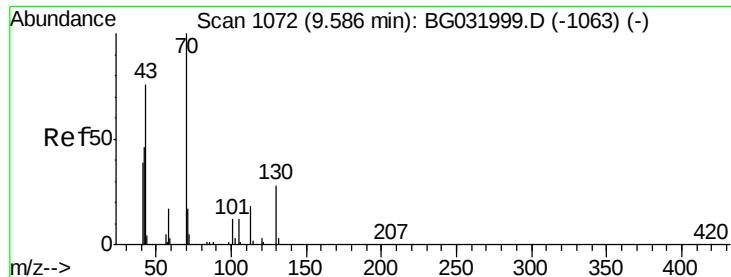
77 27.2 37.2 55.8#

79 24.1 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

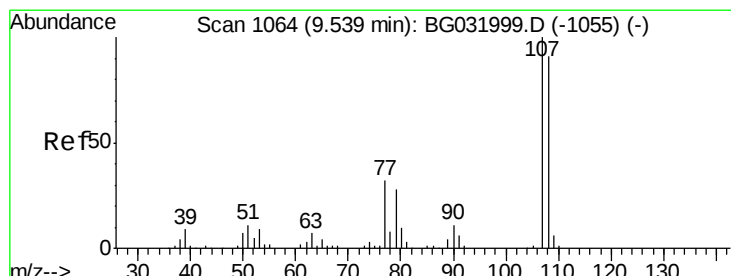
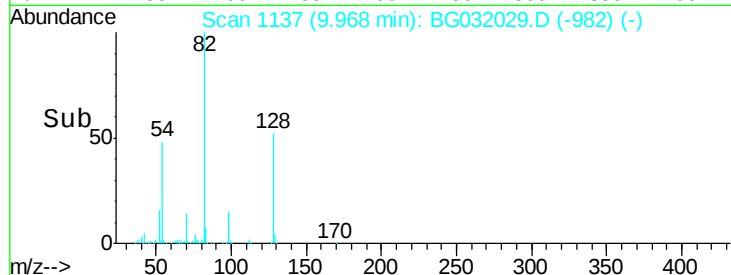
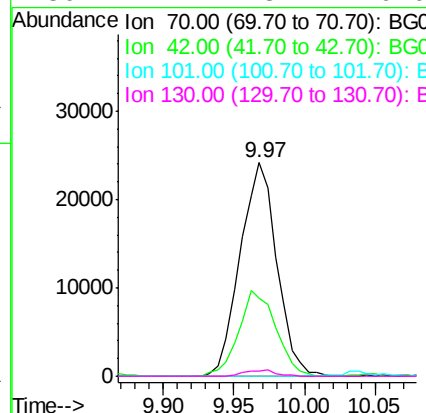
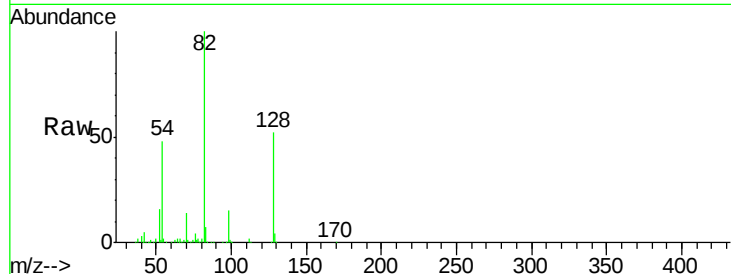




#19
n-Nitroso-di-n-propylamine
Concen: 16.987 ng
RT: 9.97 min Scan# 1137
Delta R.T. 0.38 min
Lab File: BG032029.D
Acq: 13 Jan 2018 8:17

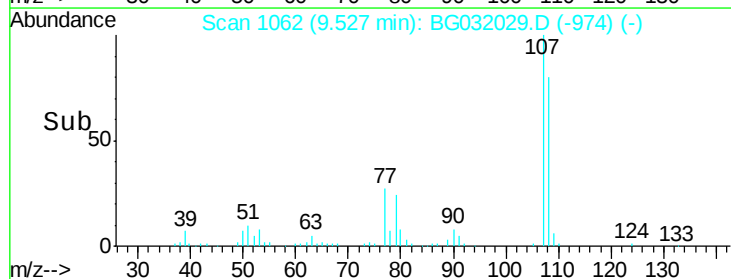
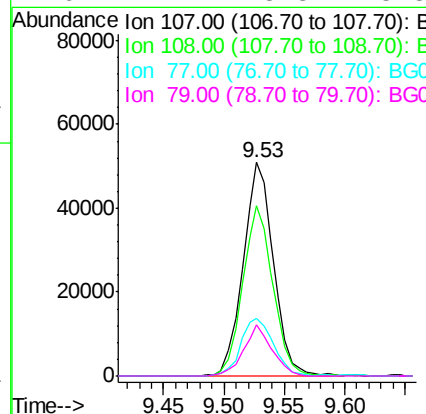
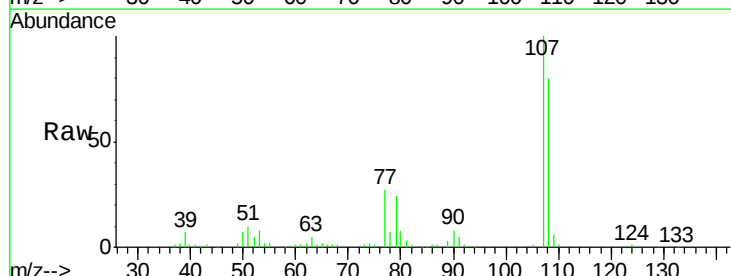
Instrument :
BNA_G
ClientSampleId :
OWS-3

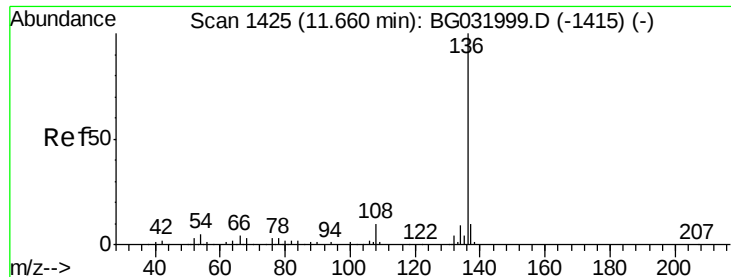
Tgt Ion: 70 Resp: 43919
Ion Ratio Lower Upper
70 100
42 36.7 49.1 73.7#
101 0.0 8.5 12.7#
130 2.1 13.4 20.0#



#20
3+4-Methylphenols
Concen: 20.456 ng
RT: 9.53 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BG032029.D
Acq: 13 Jan 2018 8:17

Tgt Ion: 107 Resp: 88899
Ion Ratio Lower Upper
107 100
108 79.7 61.6 101.6
77 27.2 13.9 53.9
79 24.1 8.8 48.8

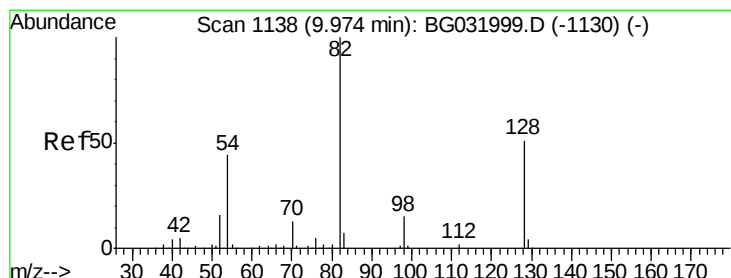
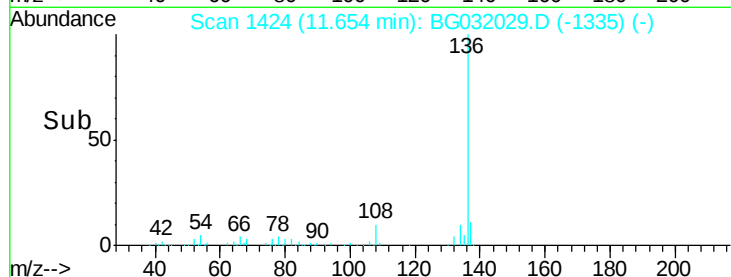
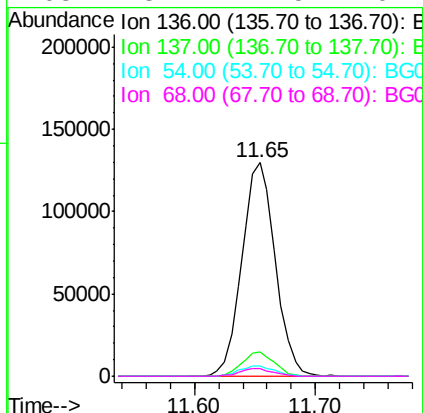
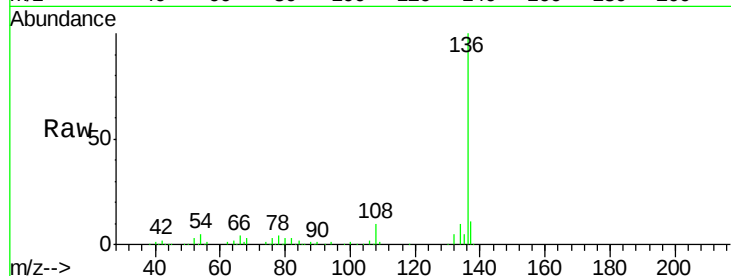




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BG032029.D
Acq: 13 Jan 2018 8:17

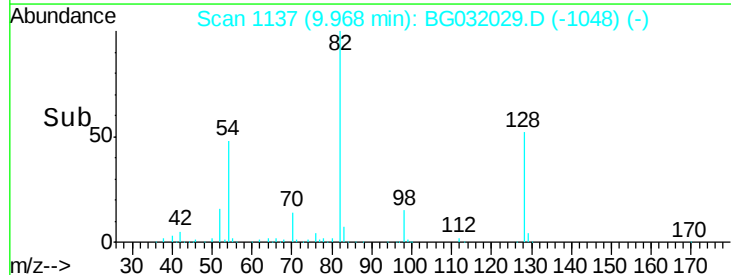
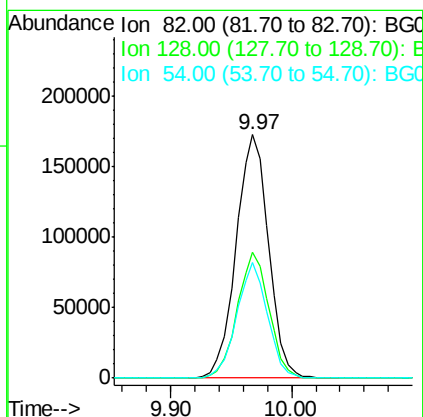
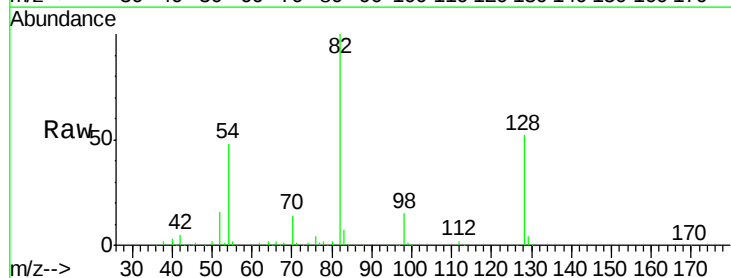
Instrument :
BNA_G
ClientSampleId :
OWS-3

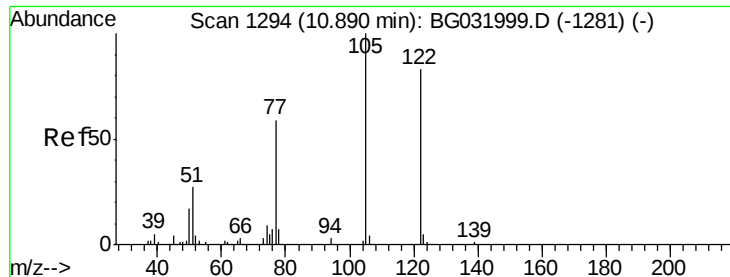
Tgt Ion:	136	Resp:	248675
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	5.0	10.3	15.5#
68	3.4	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 87.772 ng
RT: 9.97 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BG032029.D
Acq: 13 Jan 2018 8:17

Tgt Ion:	82	Resp:	322623
Ion	Ratio	Lower	Upper
82	100		
128	51.8	29.7	44.5#
54	47.6	43.1	64.7

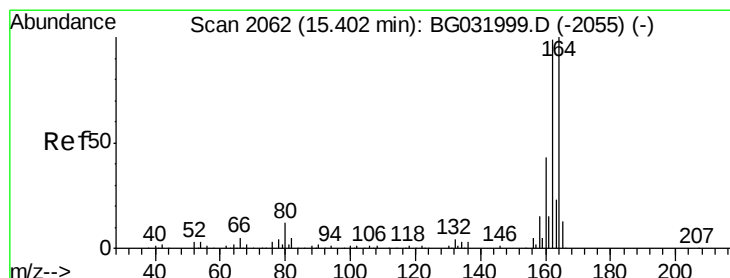
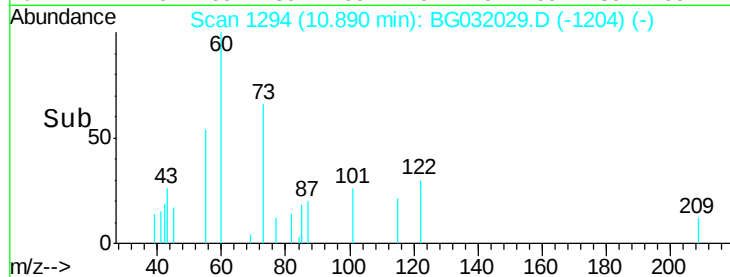
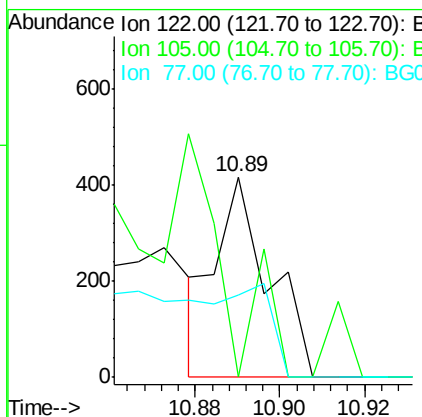
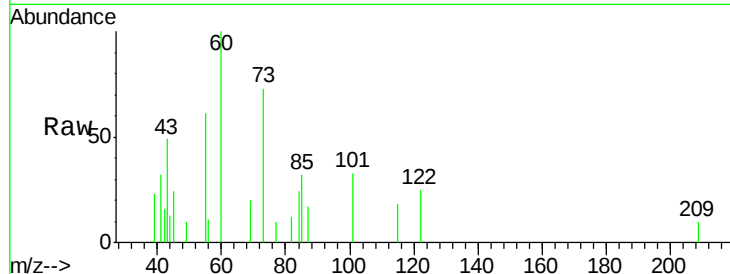




#32
Benzoic acid
Concen: 5.372 ng
RT: 10.89 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BG032029.D
Acq: 13 Jan 2018 8:17

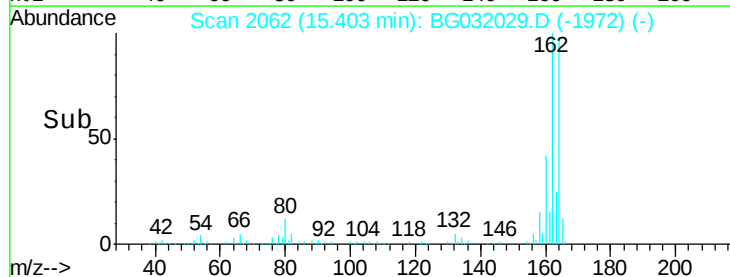
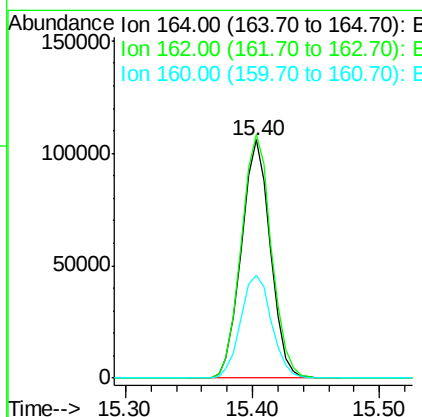
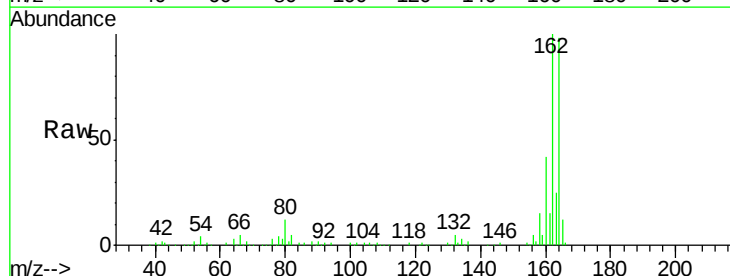
Instrument :
BNA_G
ClientSampleId :
OWS-3

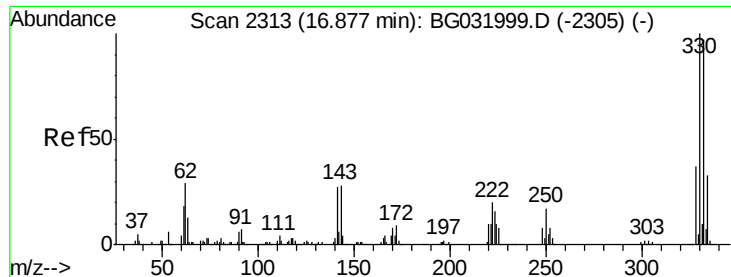
Tgt Ion:122 Resp: 361
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 41.3 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.40 min Scan# 2062
Delta R.T. 0.00 min
Lab File: BG032029.D
Acq: 13 Jan 2018 8:17

Tgt Ion:164 Resp: 168161
Ion Ratio Lower Upper
164 100
162 102.2 78.8 118.2
160 43.3 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 131.777 ng

RT: 16.88 min Scan# 2313

Delta R.T. 0.00 min

Lab File: BG032029.D

Acq: 13 Jan 2018 8:17

Instrument :

BNA_G

ClientSampleId :

OWS-3

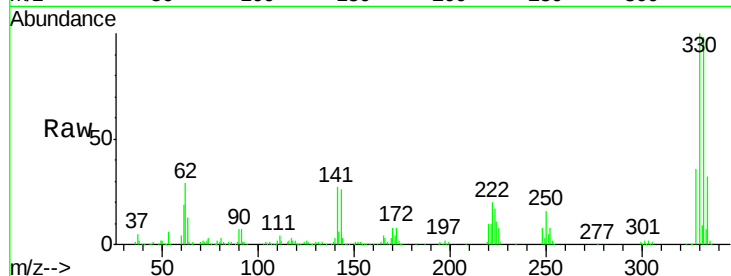
Tgt Ion:330 Resp: 366691

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

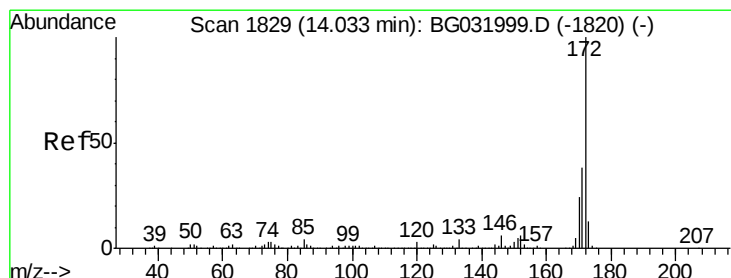
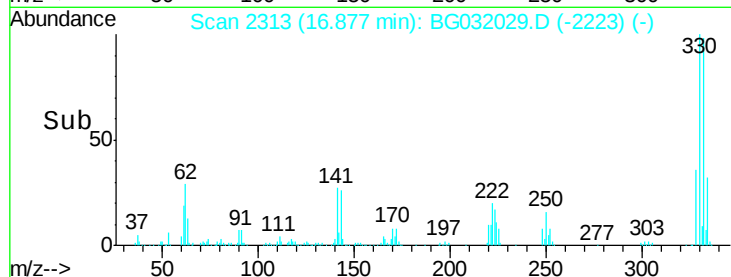
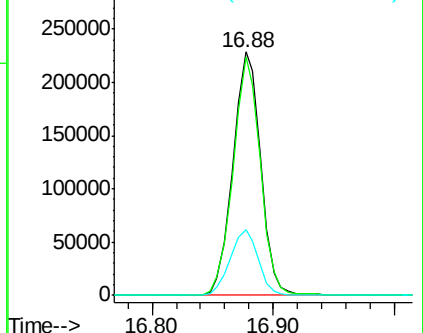
141 27.3 25.2 37.8



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: 84.099 ng

RT: 14.03 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BG032029.D

Acq: 13 Jan 2018 8:17

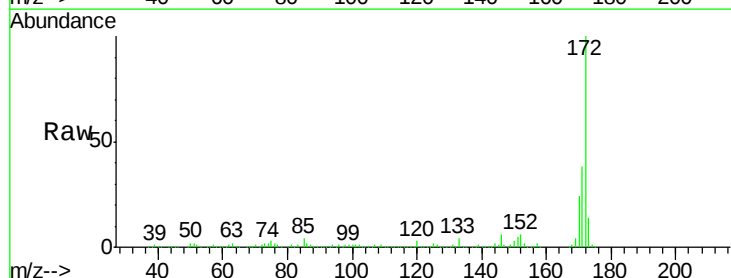
Tgt Ion:172 Resp: 1140548

Ion Ratio Lower Upper

172 100

171 37.9 30.0 45.0

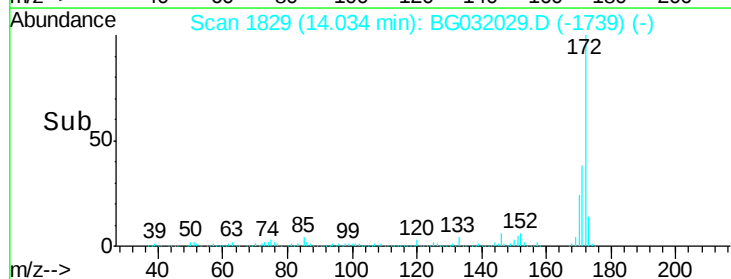
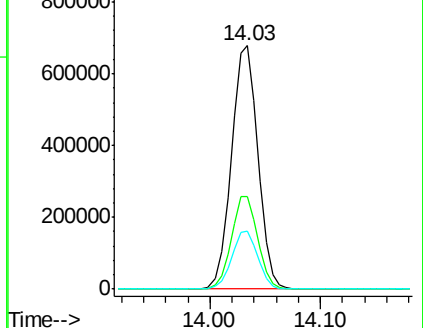
170 24.0 19.5 29.3

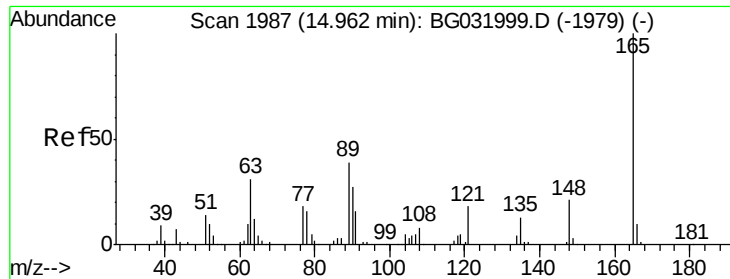


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

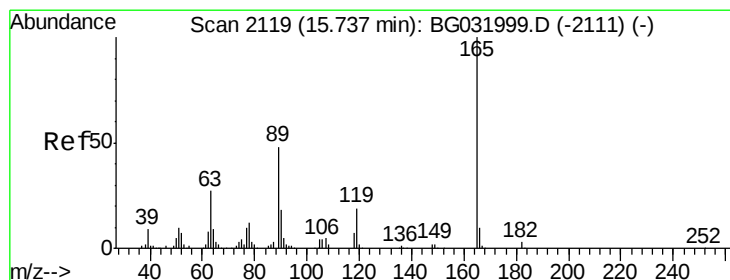
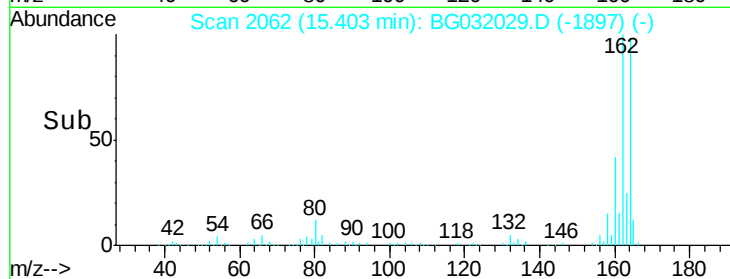
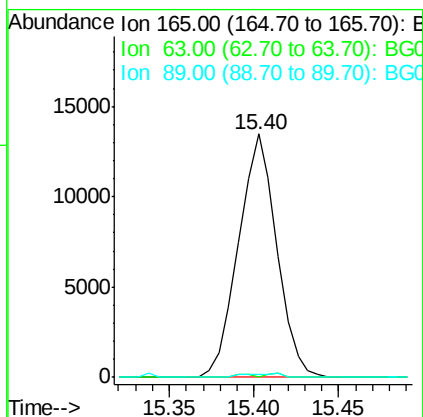
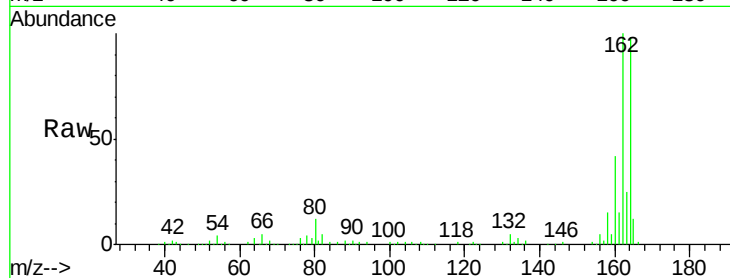




#50
 2,6-Dinitrotoluene
 Concen: 6.936 ng
 RT: 15.40 min Scan# 2062
 Delta R.T. 0.44 min
 Lab File: BG032029.D
 Acq: 13 Jan 2018 8:17

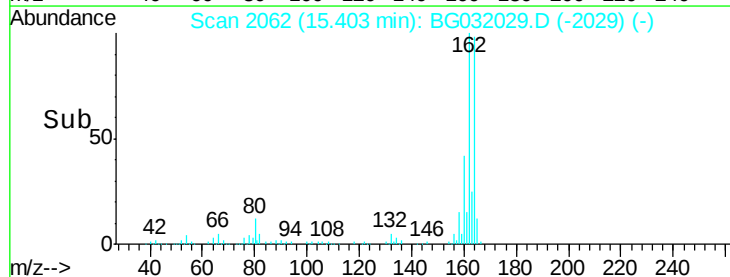
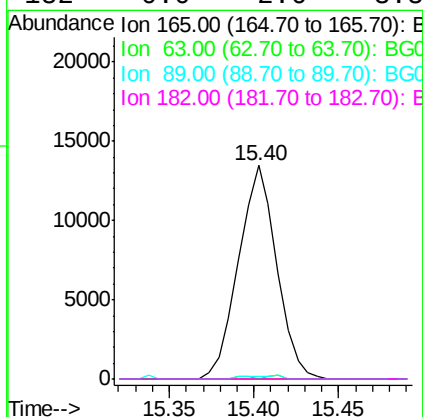
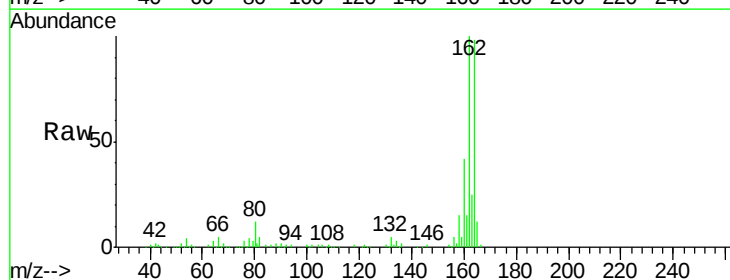
Instrument :
 BNA_G
 ClientSampleId :
 OWS-3

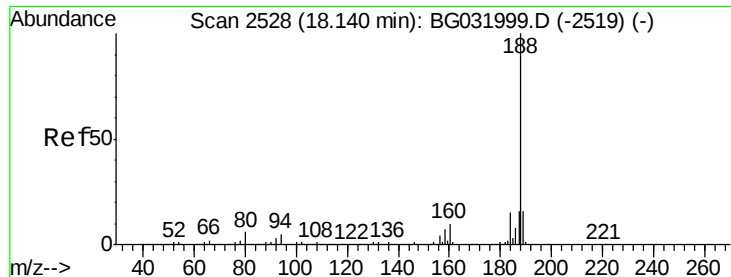
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	1.2	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.152 ng
 RT: 15.40 min Scan# 2062
 Delta R.T. -0.33 min
 Lab File: BG032029.D
 Acq: 13 Jan 2018 8:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.2	66.9	100.3#
182	0.0	2.6	3.8#

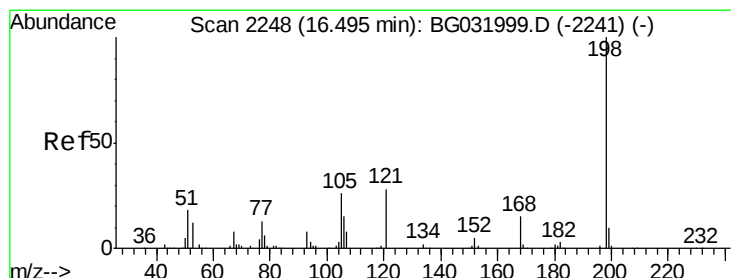
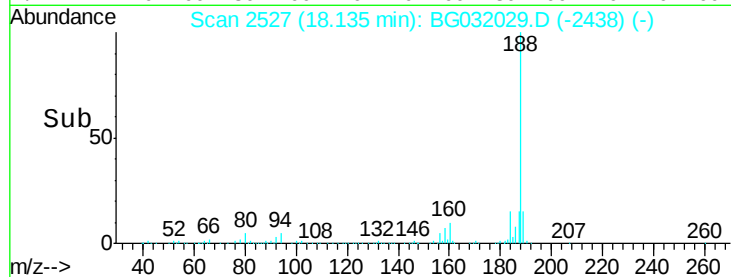
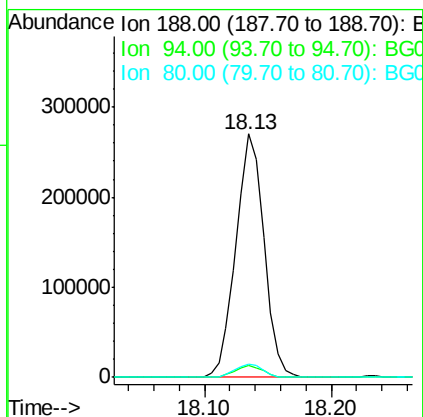
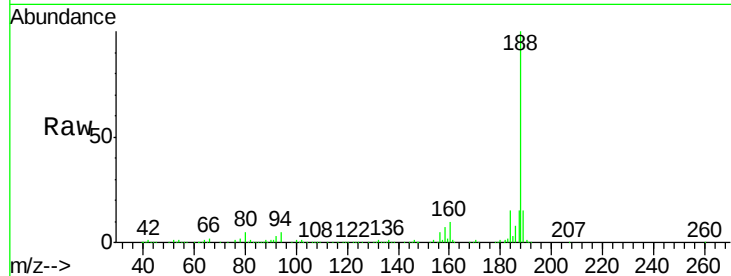




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.13 min Scan# 2527
 Delta R.T. -0.01 min
 Lab File: BG032029.D
 Acq: 13 Jan 2018 8:17

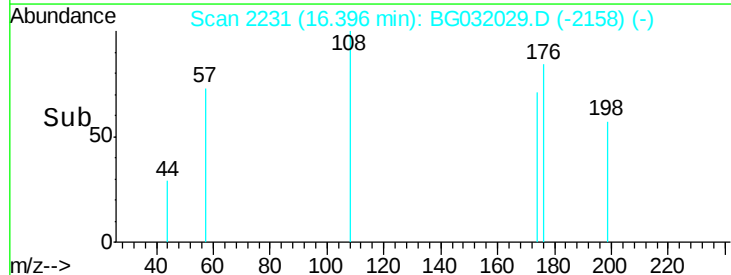
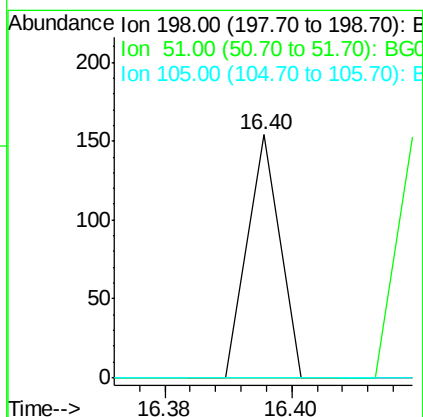
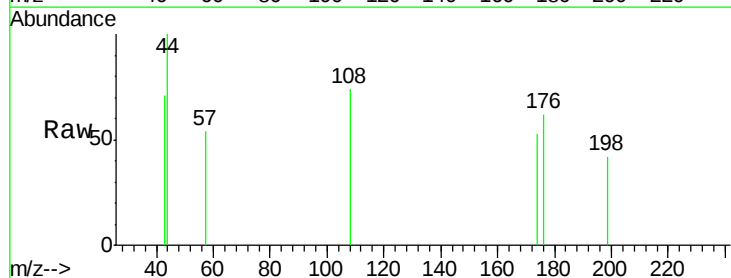
Instrument :
 BNA_G
 ClientSampleId :
 OWS-3

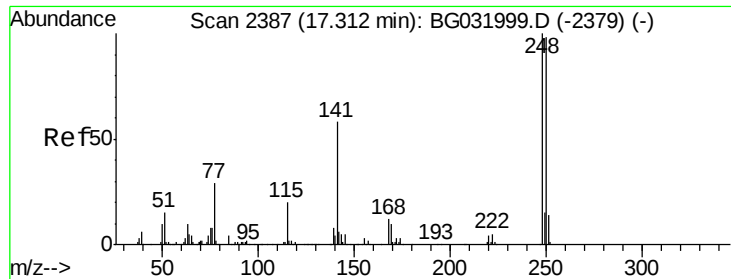
Tgt Ion:188 Resp: 415416
 Ion Ratio Lower Upper
 188 100
 94 5.2 6.9 10.3#
 80 5.5 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.903 ng
 RT: 16.40 min Scan# 2231
 Delta R.T. -0.10 min
 Lab File: BG032029.D
 Acq: 13 Jan 2018 8:17

Tgt Ion:198 Resp: 54
 Ion Ratio Lower Upper
 198 100
 51 0.0 30.6 70.6#
 105 0.0 23.8 63.8#

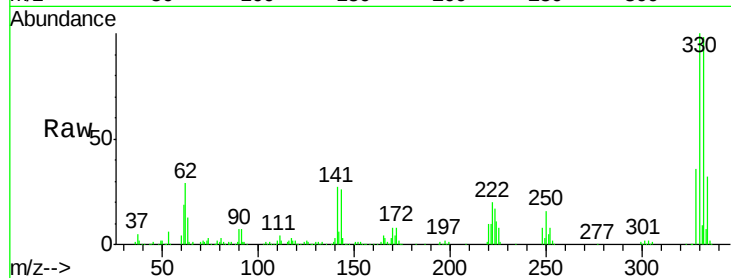




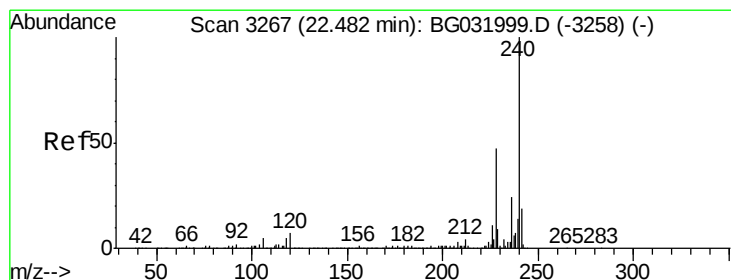
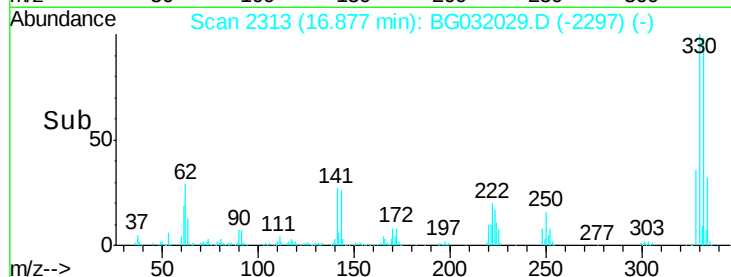
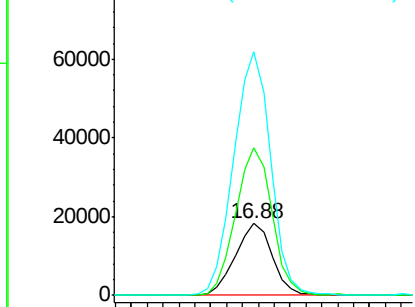
#66
 4-Bromophenyl-phenylether
 Concen: 4.958 ng
 RT: 16.88 min Scan# 2313
 Delta R.T. -0.43 min
 Lab File: BG032029.D
 Acq: 13 Jan 2018 8:17

Instrument :
 BNA_G
 ClientSampleId :
 OWS-3

Tgt Ion:248 Resp: 29302
 Ion Ratio Lower Upper
 248 100
 250 204.3 77.1 115.7#
 141 338.2 50.8 76.2#

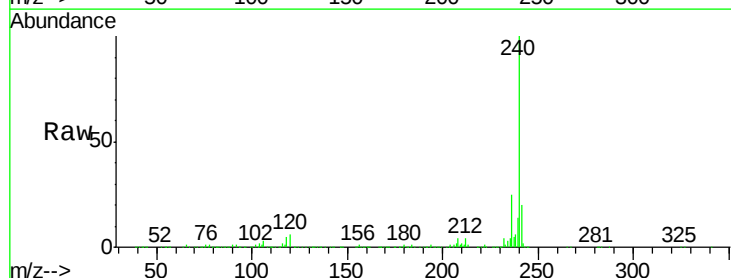


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

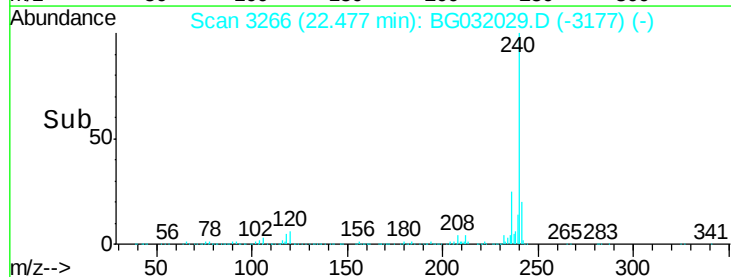
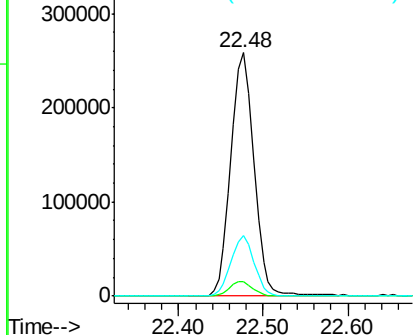


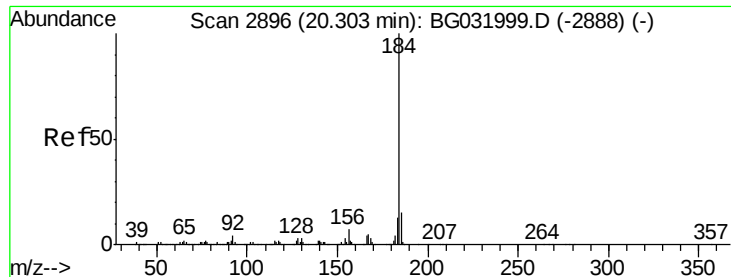
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.48 min Scan# 3266
 Delta R.T. -0.01 min
 Lab File: BG032029.D
 Acq: 13 Jan 2018 8:17

Tgt Ion:240 Resp: 491257
 Ion Ratio Lower Upper
 240 100
 120 5.8 6.8 10.2#
 236 24.9 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

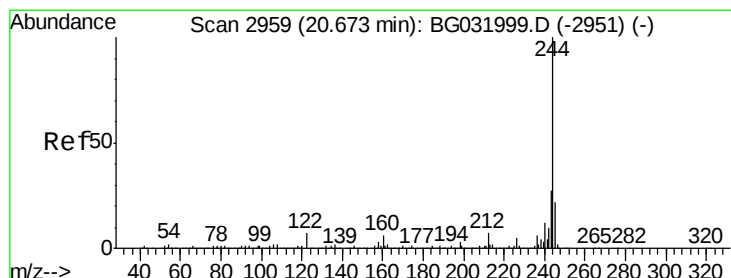
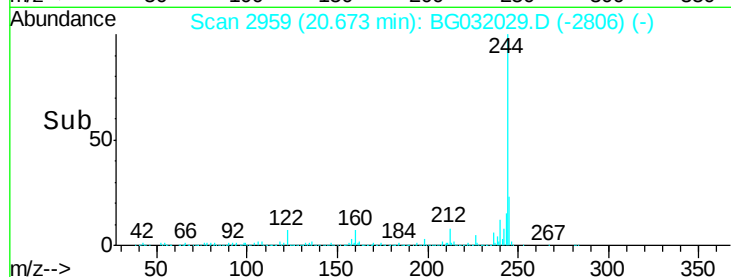
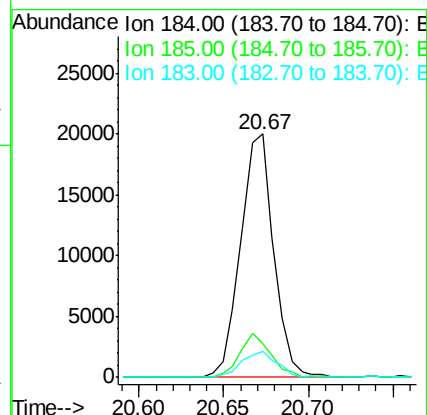
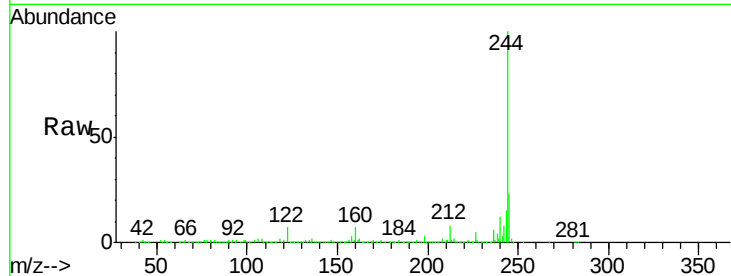




#76
Benzidine
Concen: 2.219 ng
RT: 20.67 min Scan# 2959
Delta R.T. 0.37 min
Lab File: BG032029.D
Acq: 13 Jan 2018 8:17

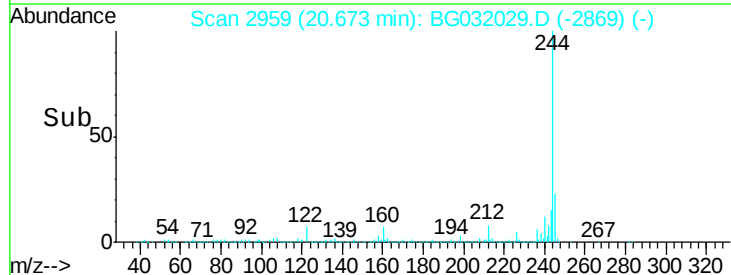
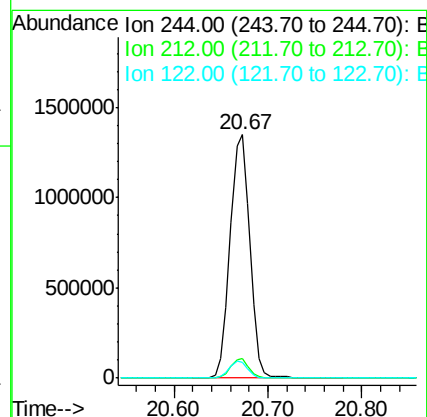
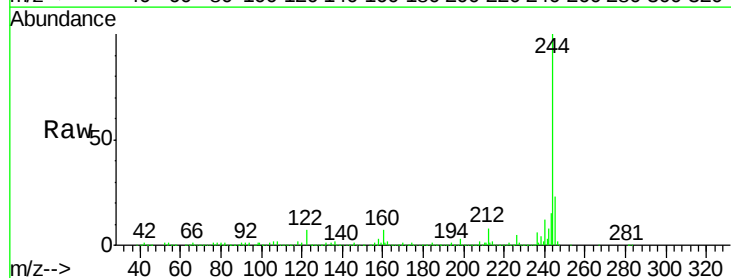
Instrument :
BNA_G
ClientSampled :
OWS-3

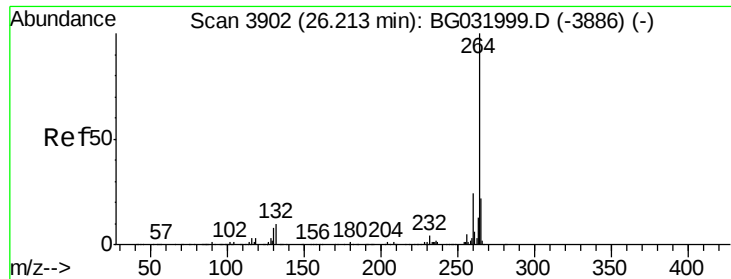
Tgt Ion:184 Resp: 27257
Ion Ratio Lower Upper
184 100
185 13.7 11.1 16.7
183 10.5 10.6 16.0#



#78
Terphenyl-d14
Concen: 88.563 ng
RT: 20.67 min Scan# 2959
Delta R.T. 0.00 min
Lab File: BG032029.D
Acq: 13 Jan 2018 8:17

Tgt Ion:244 Resp: 1970403
Ion Ratio Lower Upper
244 100
212 7.9 5.8 8.8
122 6.6 7.0 10.4#

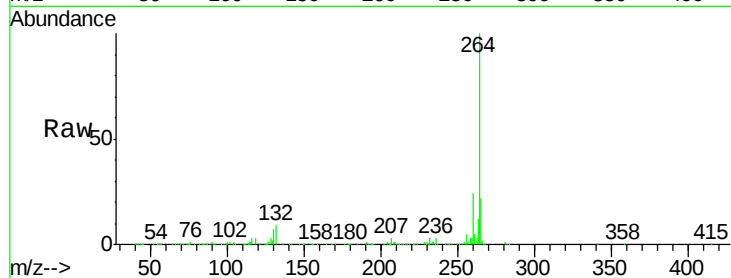




#86
Perylene-d12
Concen: 20.000 ng
RT: 26.20 min Scan# 3899
Delta R.T. -0.02 min
Lab File: BG032029.D
Acq: 13 Jan 2018 8:17

Instrument :
BNA_G
ClientSampleId :
OWS-3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	22.1	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

