

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011218\
 Data File : BG032028.D
 Acq On : 13 Jan 2018 7:40
 Operator : SJ/JU
 Sample : J1098-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OWS-2

Quant Time: Jan 15 09:56:57 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	62054	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	245536	20.00	ng	0.00
38) Acenaphthene-d10	15.40	164	163846	20.00	ng	0.00
63) Phenanthrene-d10	18.14	188	408095	20.00	ng	0.00
75) Chrysene-d12	22.47	240	469309	20.00	ng	-0.01
86) Perylene-d12	26.20	264	490662	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.20	112	398344	117.40	ng	0.00
7) Phenol-d6	7.88	99	452178	105.82	ng	0.00
23) Nitrobenzene-d5	9.97	82	321450	88.57	ng	0.00
41) 2,4,6-Tribromophenol	16.88	330	354957	130.92	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	1119546	84.72	ng	0.00
78) Terphenyl-d14	20.67	244	1849936	87.04	ng	0.00

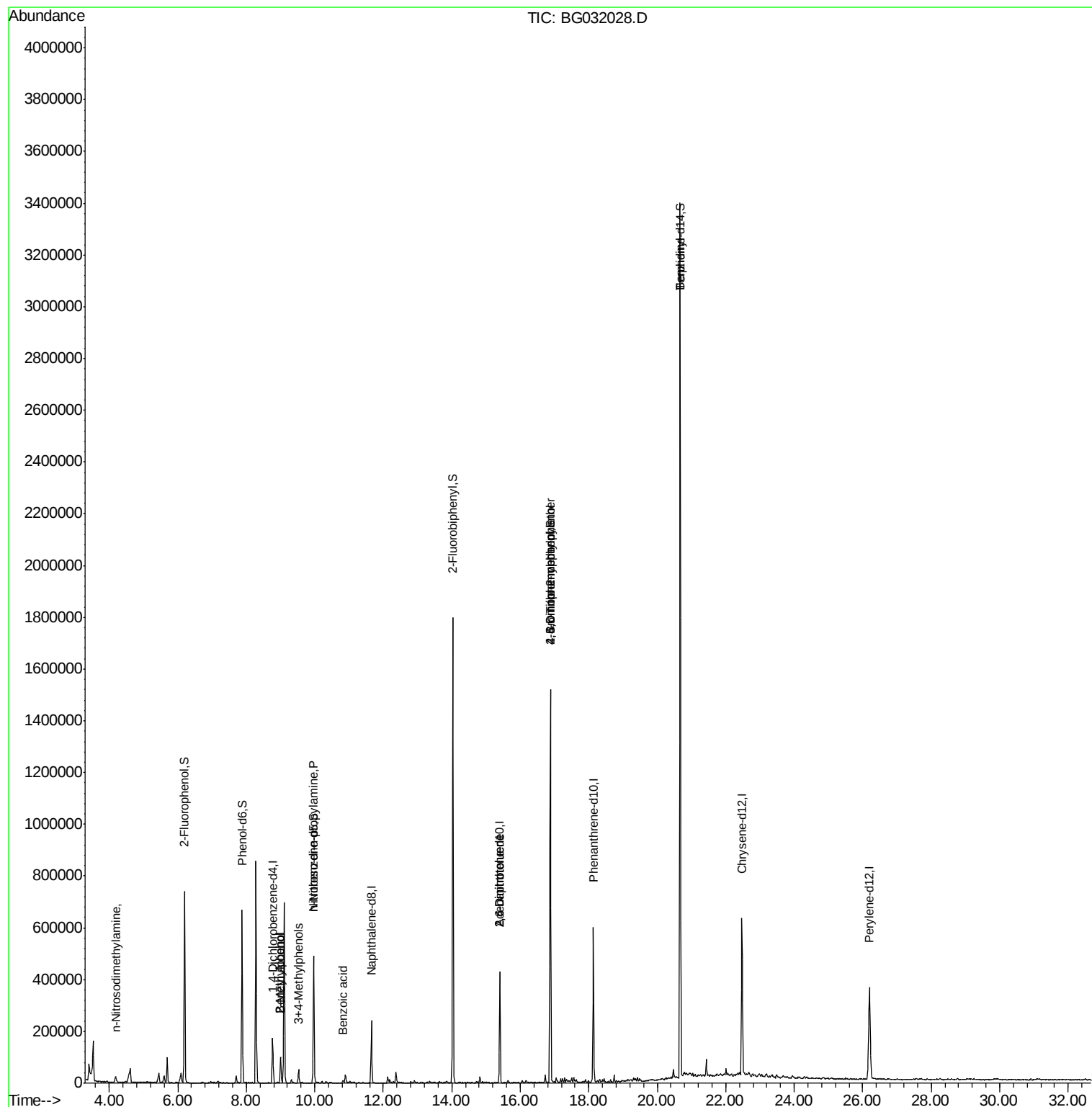
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	4.18	42	3977	3.254	ng	# 1
15) Benzyl Alcohol	9.00	79	37794	12.175	ng	# 94
17) 2-Methylphenol	9.00	107	22004	6.840	ng	# 19
19) n-Nitroso-di-n-propylamine	9.97	70	42880	16.173	ng	# 72
20) 3+4-Methylphenols	9.53	107	27880	6.256	ng	# 93
32) Benzoic acid	10.83	122	5085	6.914	ng	# 69
50) 2,6-Dinitrotoluene	15.40	165	21414	7.195	ng	# 20
56) 2,4-Dinitrotoluene	15.40	165	21414	5.345	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.87	198	829	5.169	ng	# 50
66) 4-Bromophenyl-phenylether	16.88	248	28331	4.879	ng	# 1
76) Benzidine	20.67	184	24400	2.079	ng	# 94

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

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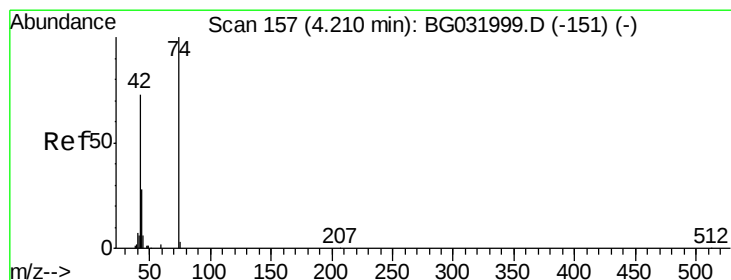
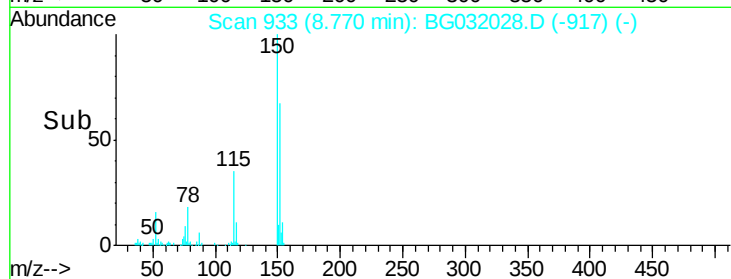
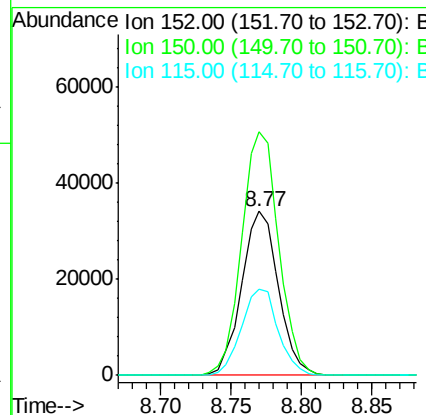
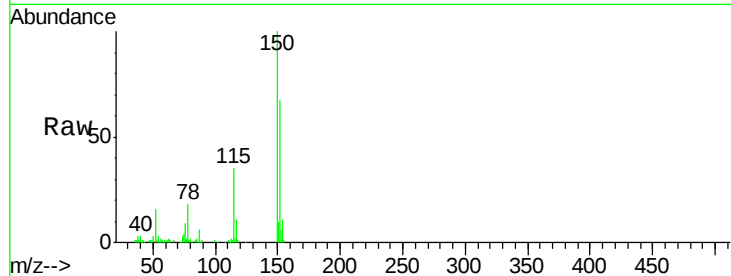


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: BG032028.D
 Acq: 13 Jan 2018 7:40

Instrument :
 BNA_G
 ClientSampleId :
 OWS-2

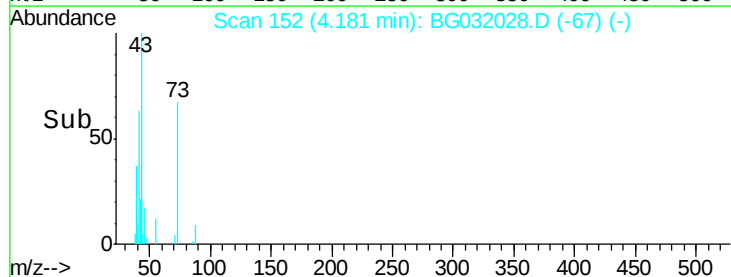
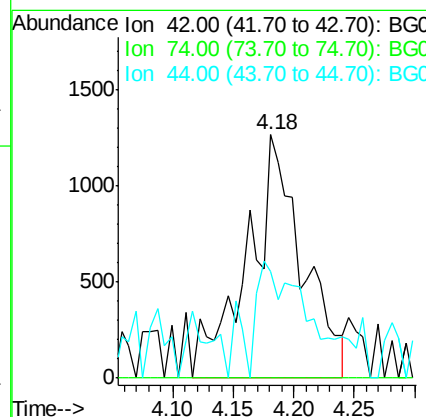
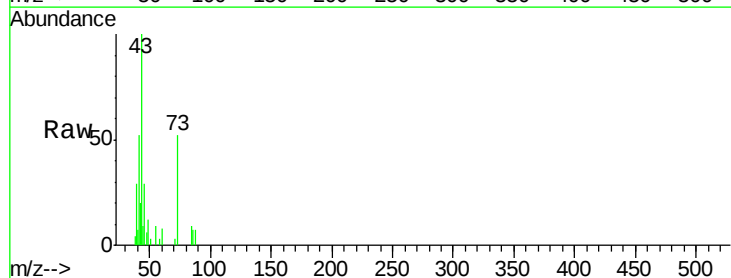
Tgt Ion:152 Resp: 62054
 Ion Ratio Lower Upper
 152 100
 150 148.6 126.6 189.8
 115 52.5 53.0 79.4#

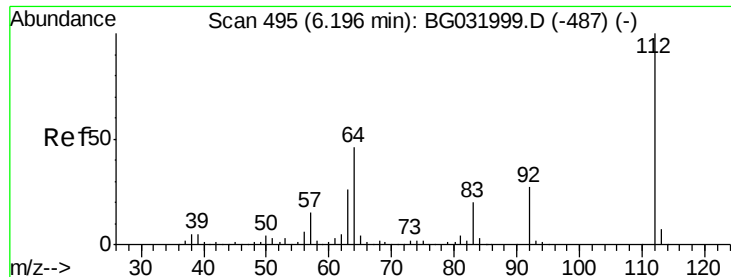


#4

n-Nitrosodimethylamine
 Concen: 3.254 ng
 RT: 4.18 min Scan# 152
 Delta R.T. -0.03 min
 Lab File: BG032028.D
 Acq: 13 Jan 2018 7:40

Tgt Ion: 42 Resp: 3977
 Ion Ratio Lower Upper
 42 100
 74 0.0 102.5 153.7#
 44 43.9 18.9 28.3#





#5

2-Fluorophenol

Concen: 117.405 ng

RT: 6.20 min Scan# 495

Delta R.T. 0.00 min

Lab File: BG032028.D

Acq: 13 Jan 2018 7:40

Instrument :

BNA_G

ClientSampleId :

OWS-2

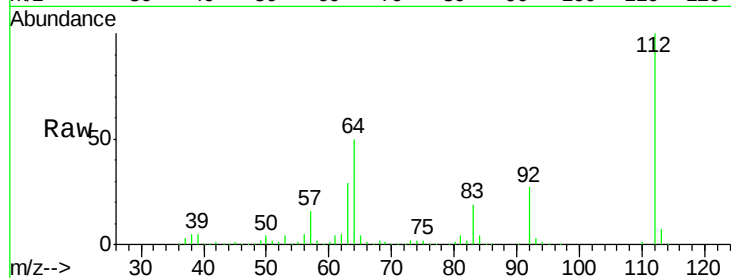
Tgt Ion: 112 Resp: 398344

Ion Ratio Lower Upper

112 100

64 50.3 56.3 84.5#

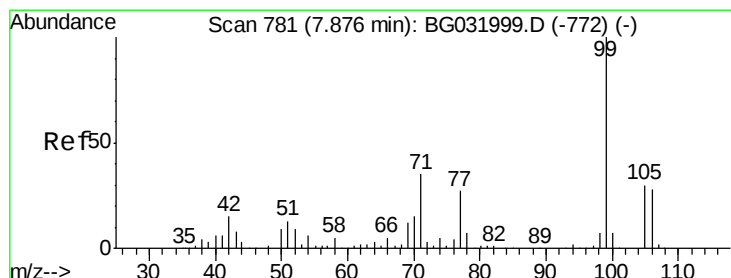
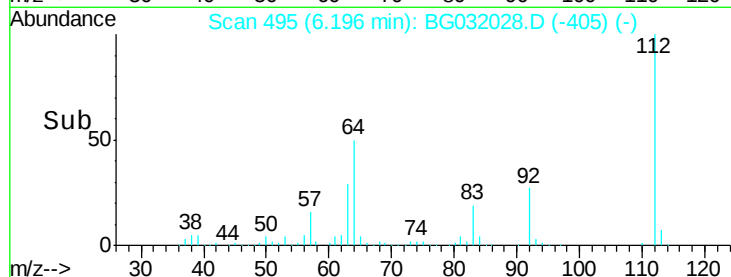
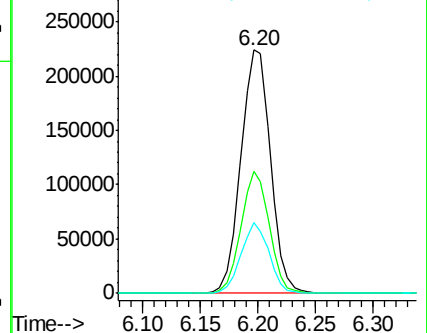
63 29.3 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 105.818 ng

RT: 7.88 min Scan# 781

Delta R.T. 0.00 min

Lab File: BG032028.D

Acq: 13 Jan 2018 7:40

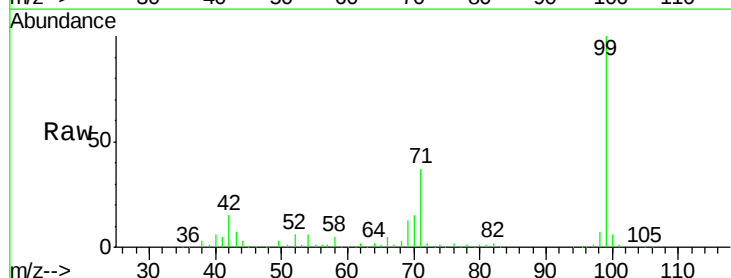
Tgt Ion: 99 Resp: 452178

Ion Ratio Lower Upper

99 100

42 15.1 14.1 21.1

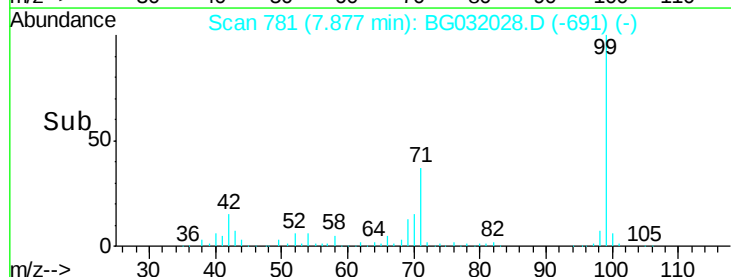
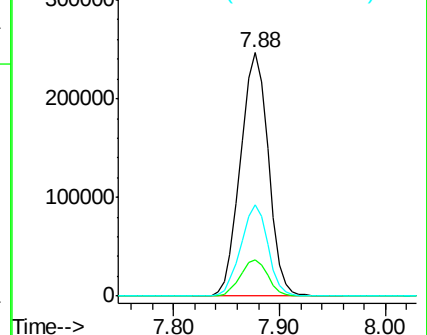
71 37.2 26.1 39.1

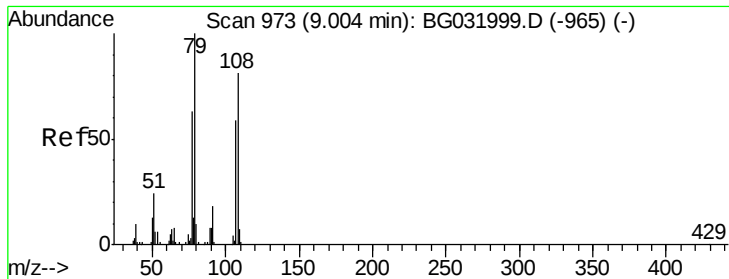


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 12.175 ng

RT: 9.00 min Scan# 972

Delta R.T. -0.01 min

Lab File: BG032028.D

Acq: 13 Jan 2018 7:40

Instrument :

BNA_G

ClientSampled :

OWS-2

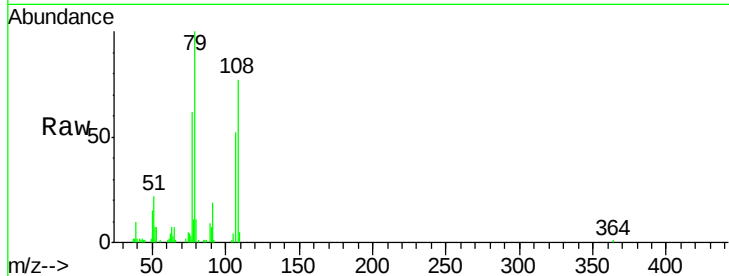
Tgt Ion: 79 Resp: 37794

Ion Ratio Lower Upper

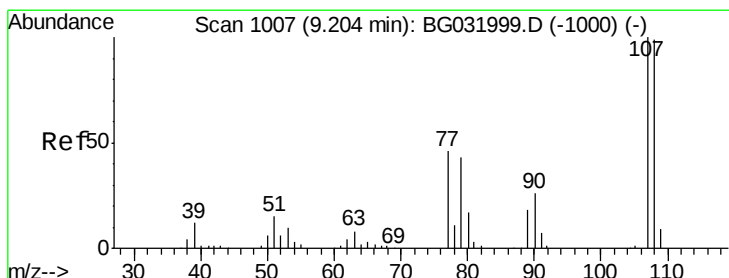
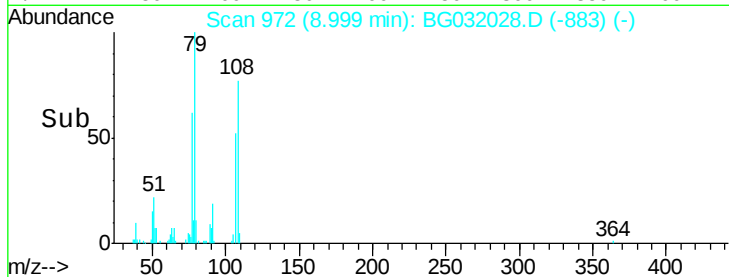
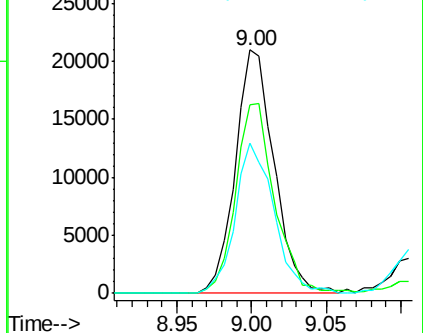
79 100

108 77.4 57.2 85.8

77 61.7 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



#17

2-Methylphenol

Concen: 6.840 ng

RT: 9.00 min Scan# 973

Delta R.T. -0.20 min

Lab File: BG032028.D

Acq: 13 Jan 2018 7:40

Tgt Ion: 107 Resp: 22004

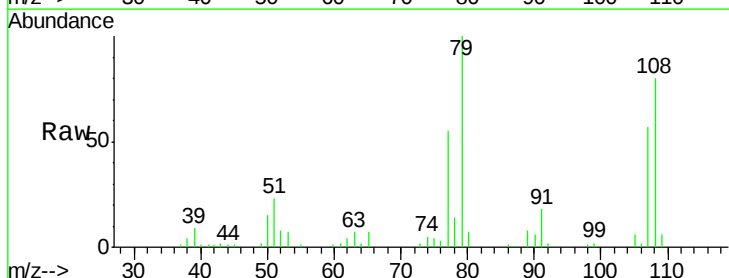
Ion Ratio Lower Upper

107 100

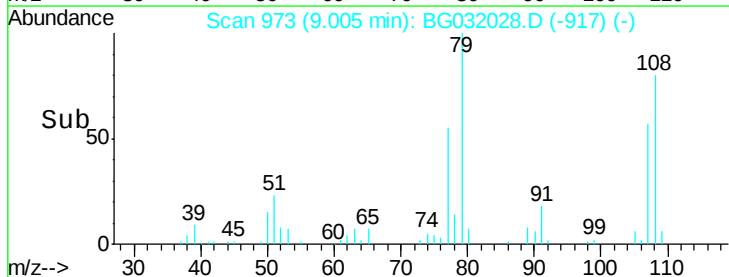
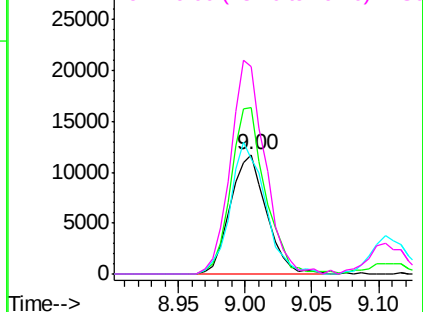
108 139.9 83.9 125.9#

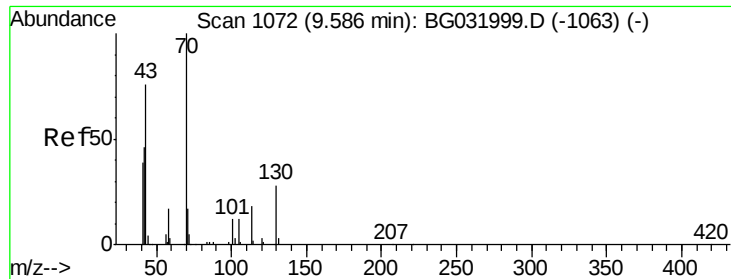
77 96.1 37.2 55.8#

79 174.4 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

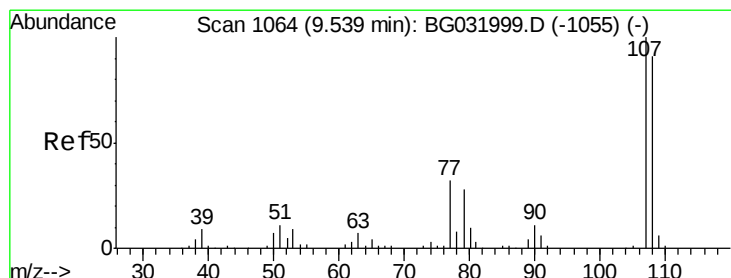
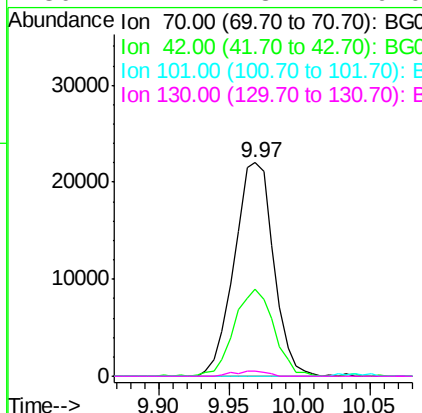
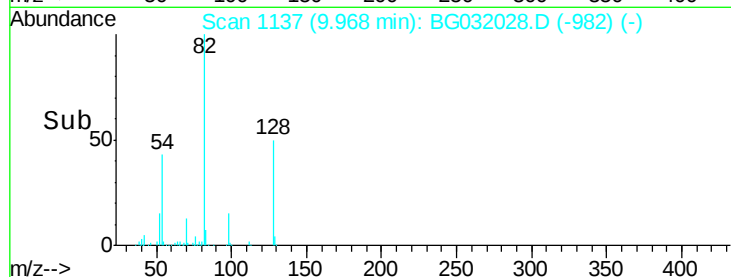
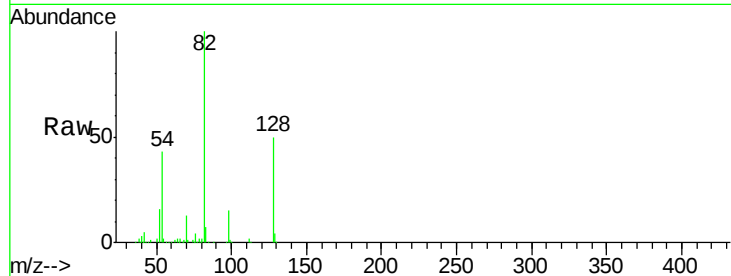




#19
n-Nitroso-di-n-propylamine
Concen: 16.173 ng
RT: 9.97 min Scan# 1137
Delta R.T. 0.38 min
Lab File: BG032028.D
Acq: 13 Jan 2018 7:40

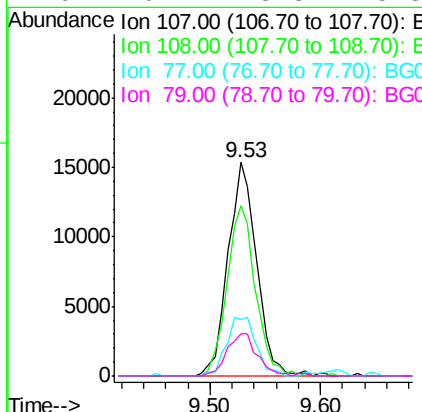
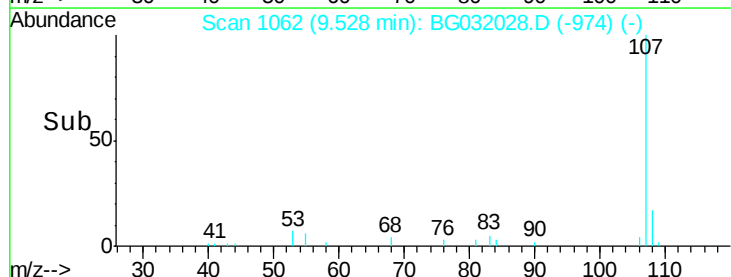
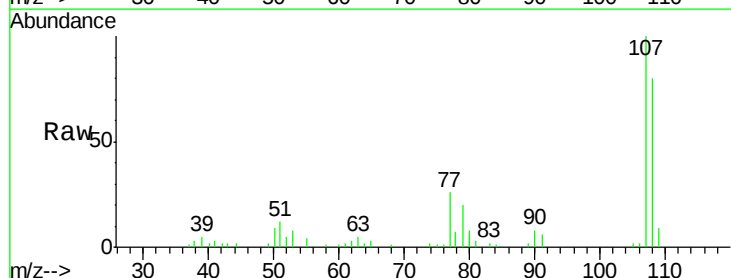
Instrument :
BNA_G
ClientSampleId :
OWS-2

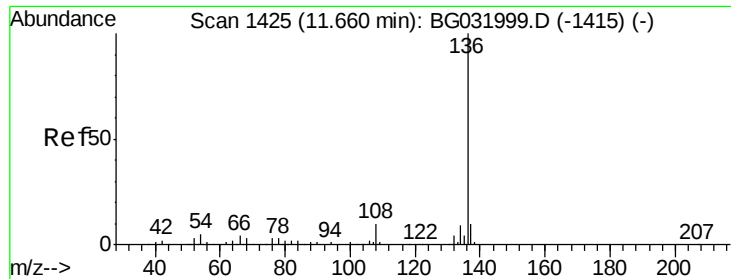
Tgt Ion: 70 Resp: 42880
Ion Ratio Lower Upper
70 100
42 40.7 49.1 73.7#
101 0.0 8.5 12.7#
130 2.4 13.4 20.0#



#20
3+4-Methylphenols
Concen: 6.256 ng
RT: 9.53 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BG032028.D
Acq: 13 Jan 2018 7:40

Tgt Ion: 107 Resp: 27880
Ion Ratio Lower Upper
107 100
108 79.8 61.6 101.6
77 26.5 13.9 53.9
79 20.1 8.8 48.8

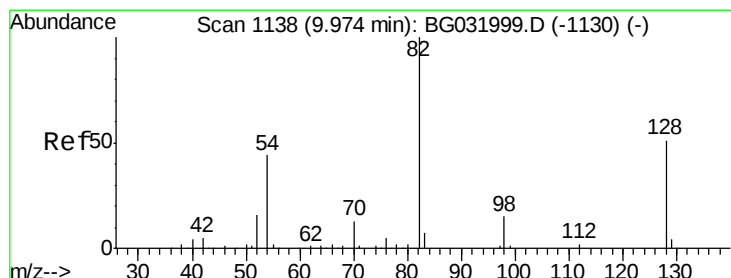
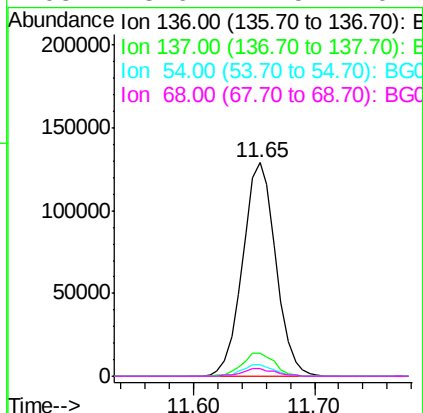
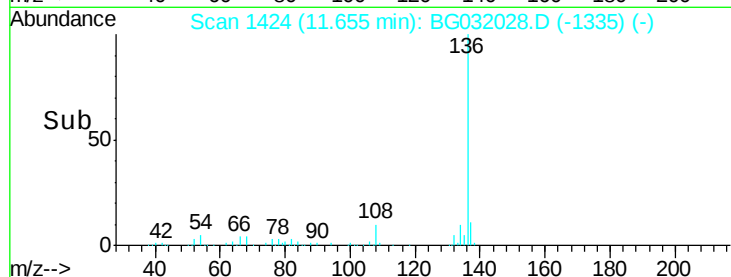
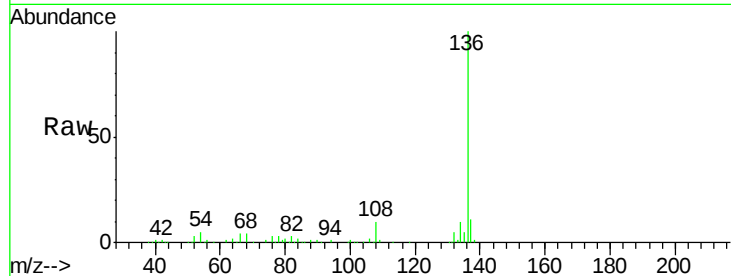




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BG032028.D
Acq: 13 Jan 2018 7:40

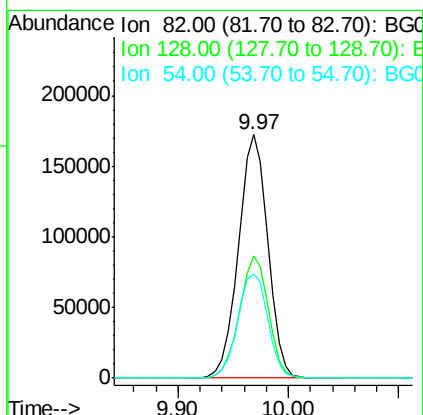
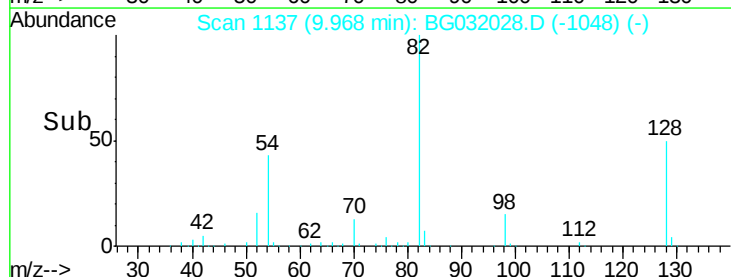
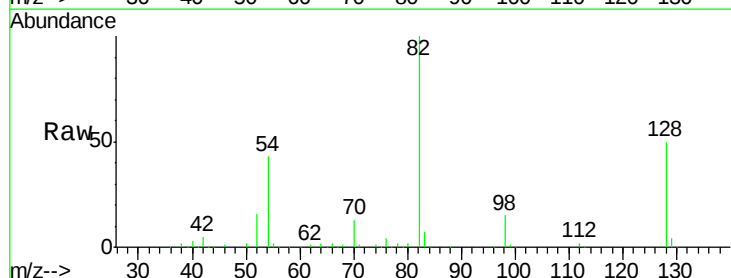
Instrument :
BNA_G
ClientSampleId :
OWS-2

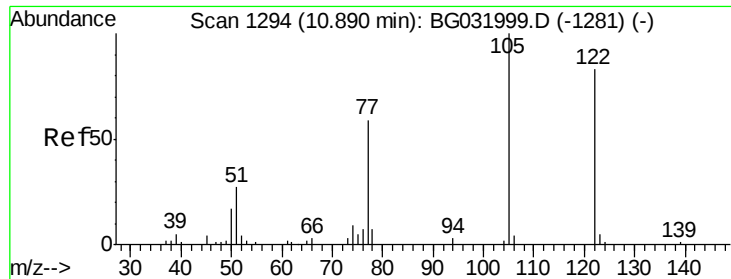
Tgt Ion:	136	Resp:	245536
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	5.3	10.3	15.5#
68	3.6	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 88.571 ng
RT: 9.97 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BG032028.D
Acq: 13 Jan 2018 7:40

Tgt Ion:	82	Resp:	321450
Ion	Ratio	Lower	Upper
82	100		
128	49.9	29.7	44.5#
54	42.9	43.1	64.7#

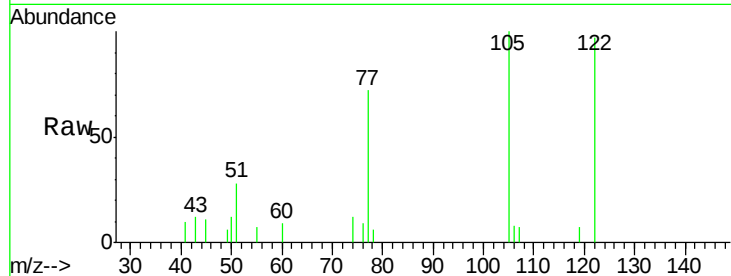




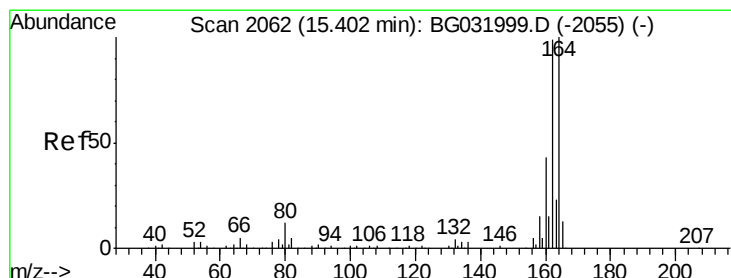
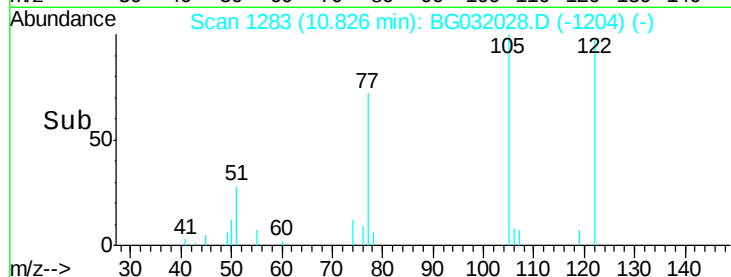
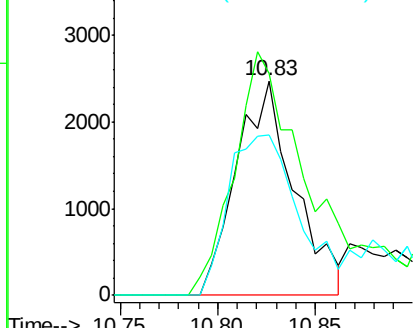
#32
Benzoic acid
Concen: 6.914 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.06 min
Lab File: BG032028.D
Acq: 13 Jan 2018 7:40

Instrument :
BNA_G
ClientSampleId :
OWS-2

Tgt Ion:122 Resp: 5085
Ion Ratio Lower Upper
122 100
105 103.5 123.5 163.5#
77 74.7 85.7 125.7#

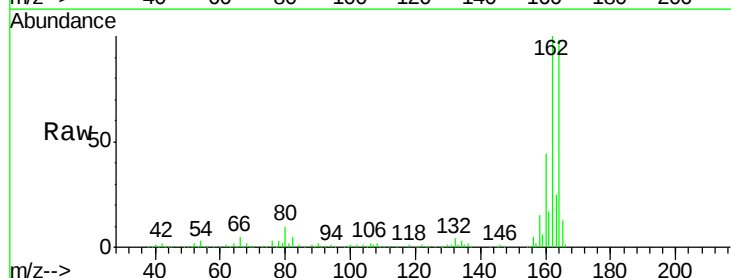


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

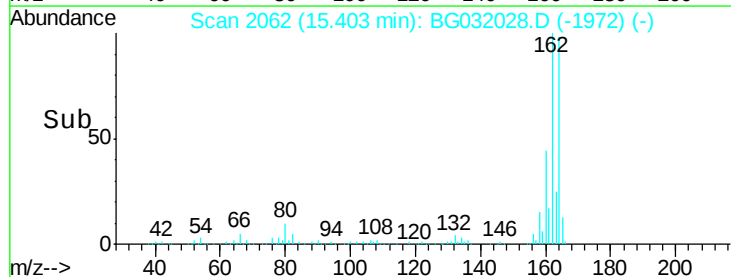
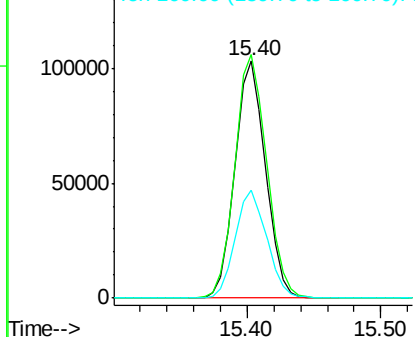


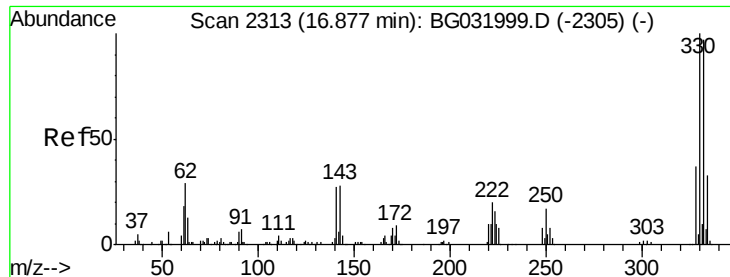
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.40 min Scan# 2062
Delta R.T. 0.00 min
Lab File: BG032028.D
Acq: 13 Jan 2018 7:40

Tgt Ion:164 Resp: 163846
Ion Ratio Lower Upper
164 100
162 102.4 78.8 118.2
160 45.2 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

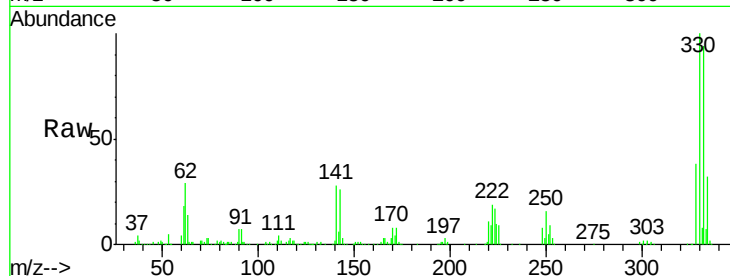




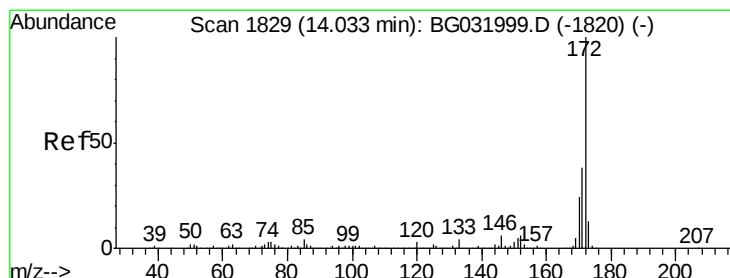
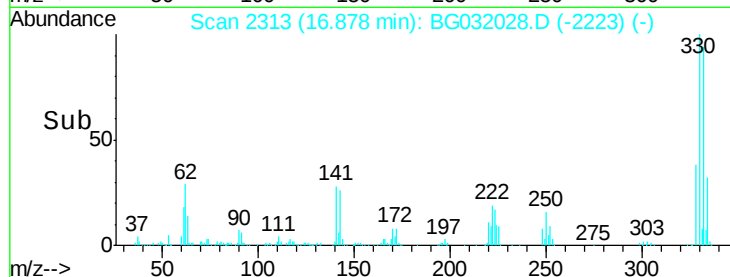
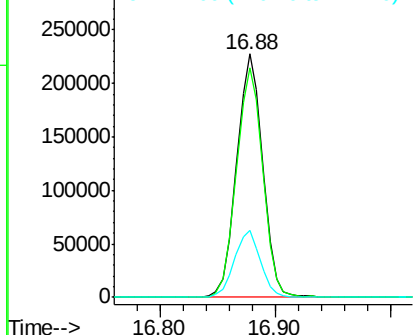
#41
 2,4,6-Tribromophenol
 Concen: 130.919 ng
 RT: 16.88 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: BG032028.D
 Acq: 13 Jan 2018 7:40

Instrument :
 BNA_G
 ClientSampleId :
 OWS-2

Tgt Ion:330 Resp: 354957
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 27.6 25.2 37.8

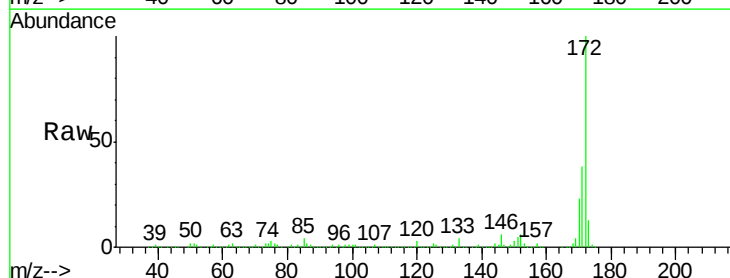


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

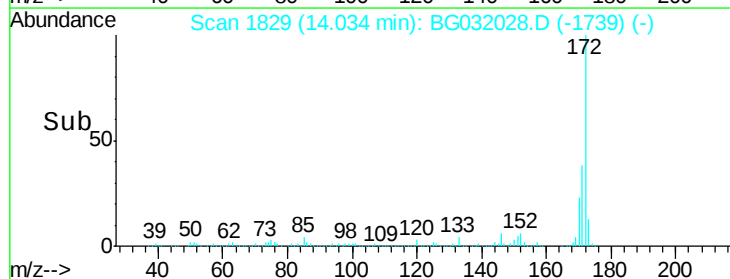
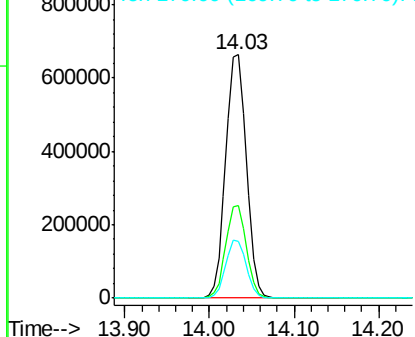


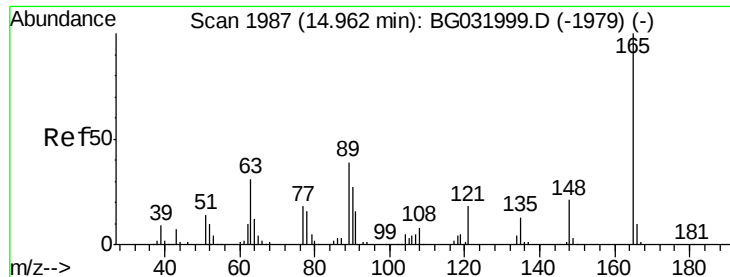
#44
 2-Fluorobiphenyl
 Concen: 84.725 ng
 RT: 14.03 min Scan# 1829
 Delta R.T. 0.00 min
 Lab File: BG032028.D
 Acq: 13 Jan 2018 7:40

Tgt Ion:172 Resp: 1119546
 Ion Ratio Lower Upper
 172 100
 171 38.2 30.0 45.0
 170 23.5 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

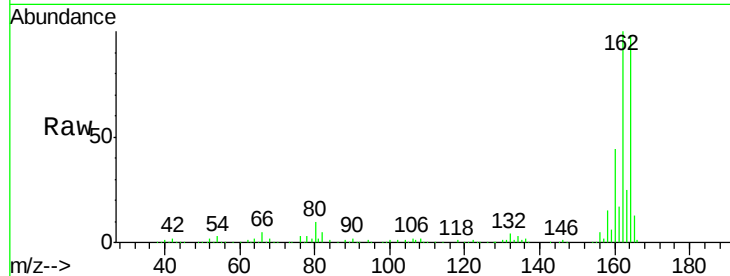




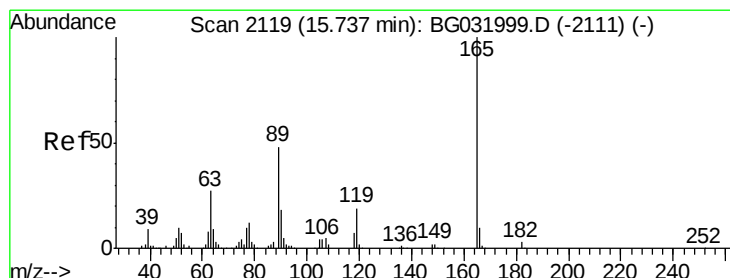
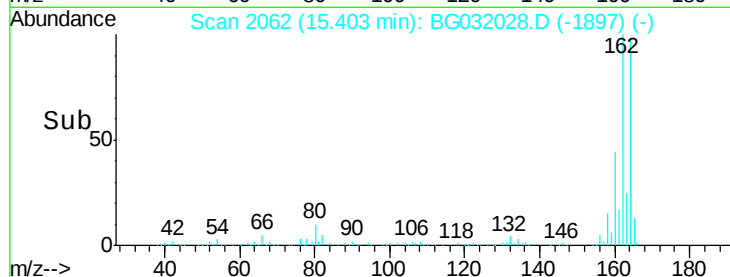
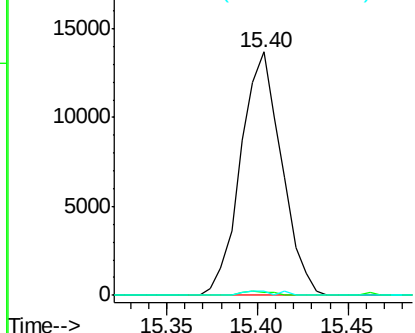
#50
 2,6-Dinitrotoluene
 Concen: 7.195 ng
 RT: 15.40 min Scan# 2062
 Delta R.T. 0.44 min
 Lab File: BG032028.D
 Acq: 13 Jan 2018 7:40

Instrument :
 BNA_G
 ClientSampleId :
 OWS-2

Tgt Ion:165 Resp: 21414
 Ion Ratio Lower Upper
 165 100
 63 1.3 52.7 79.1#
 89 1.9 49.2 73.8#

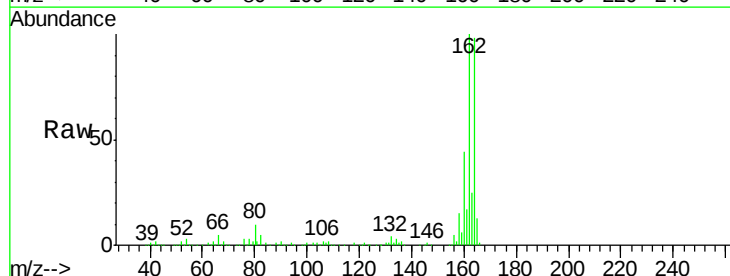


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

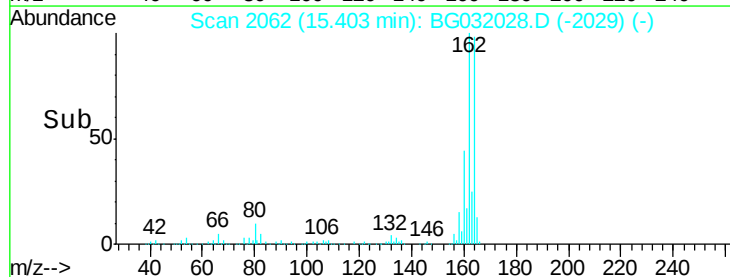
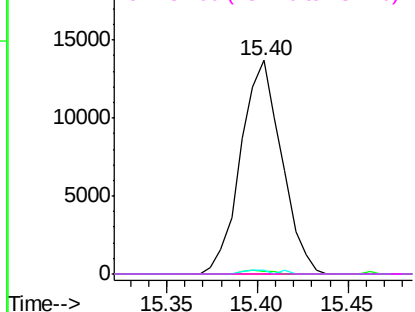


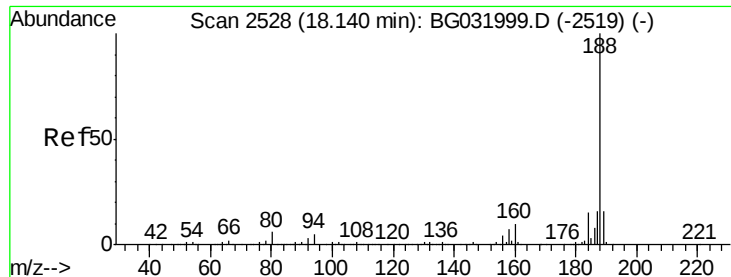
#56
 2,4-Dinitrotoluene
 Concen: 5.345 ng
 RT: 15.40 min Scan# 2062
 Delta R.T. -0.33 min
 Lab File: BG032028.D
 Acq: 13 Jan 2018 7:40

Tgt Ion:165 Resp: 21414
 Ion Ratio Lower Upper
 165 100
 63 1.3 42.0 63.0#
 89 1.9 66.9 100.3#
 182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.14 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BG032028.D

Acq: 13 Jan 2018 7:40

Instrument :

BNA_G

ClientSampleId :

OWS-2

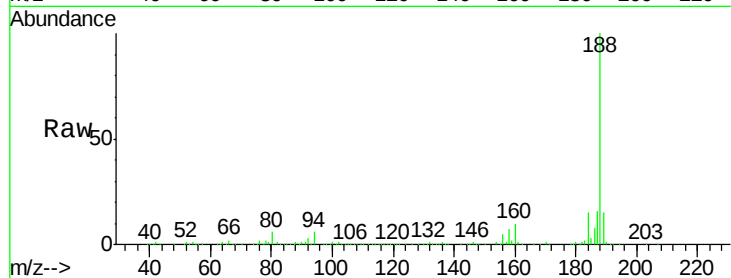
Tgt Ion:188 Resp: 408095

Ion Ratio Lower Upper

188 100

94 5.6 6.9 10.3#

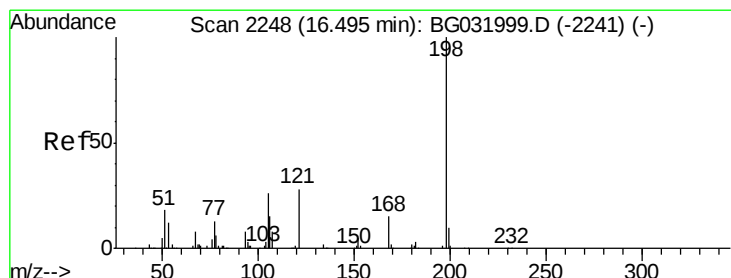
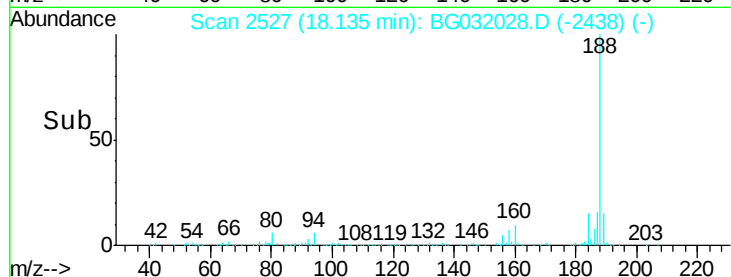
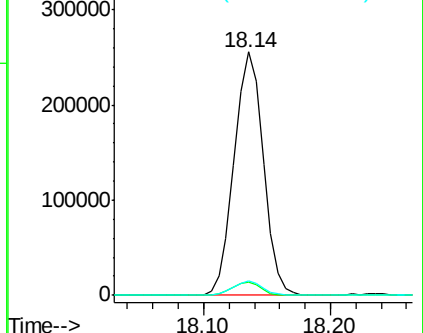
80 5.7 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 5.169 ng

RT: 16.87 min Scan# 2312

Delta R.T. 0.38 min

Lab File: BG032028.D

Acq: 13 Jan 2018 7:40

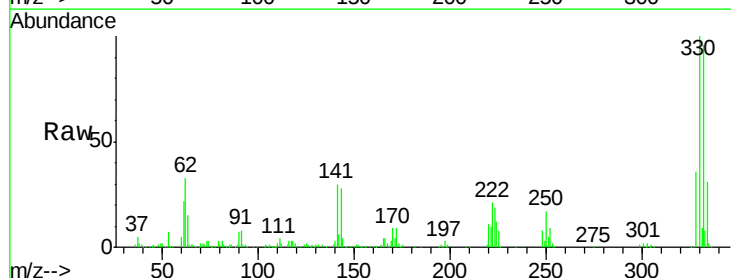
Tgt Ion:198 Resp: 829

Ion Ratio Lower Upper

198 100

51 62.3 30.6 70.6

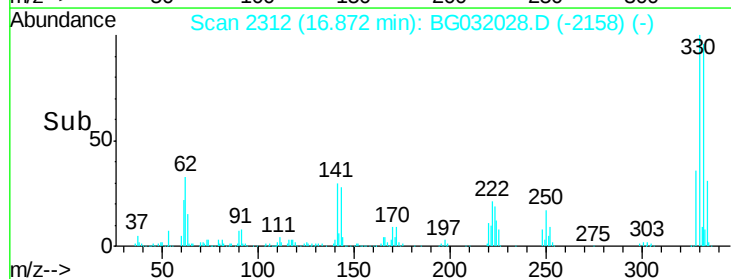
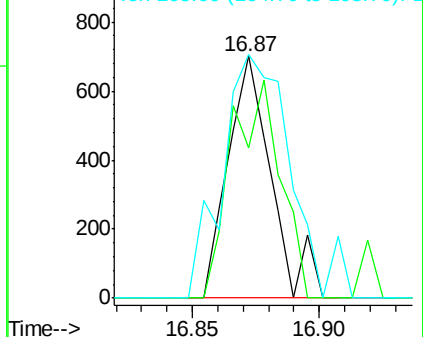
105 100.7 23.8 63.8#

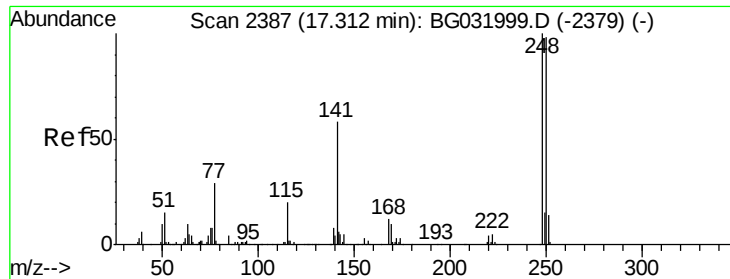


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

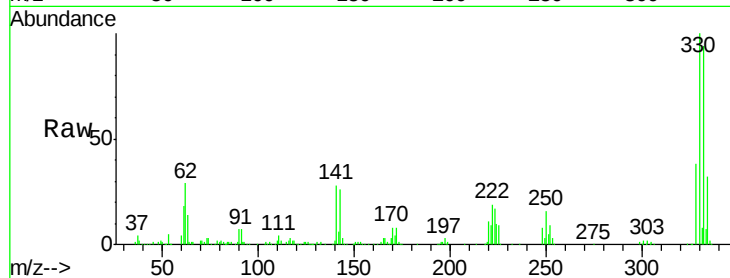




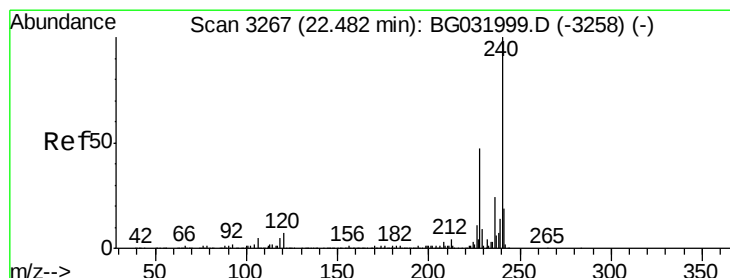
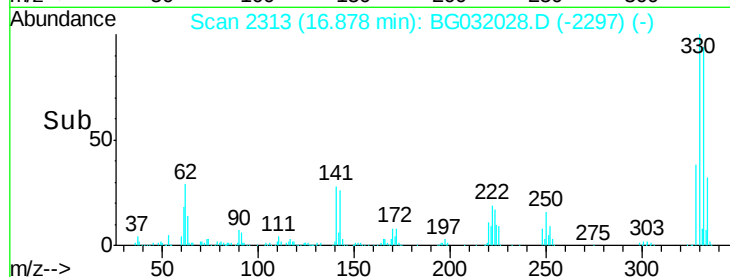
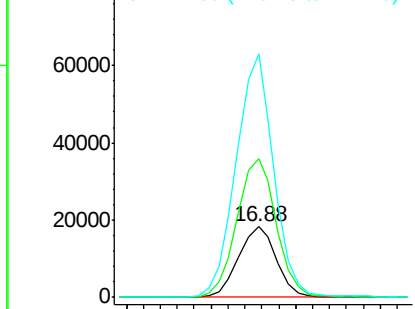
#66
 4-Bromophenyl-phenylether
 Concen: 4.879 ng
 RT: 16.88 min Scan# 2313
 Delta R.T. -0.43 min
 Lab File: BG032028.D
 Acq: 13 Jan 2018 7:40

Instrument :
 BNA_G
 ClientSampleId :
 OWS-2

Tgt Ion:248 Resp: 28331
 Ion Ratio Lower Upper
 248 100
 250 196.7 77.1 115.7#
 141 346.5 50.8 76.2#

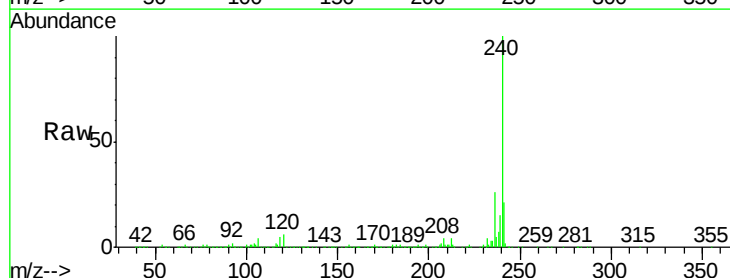


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

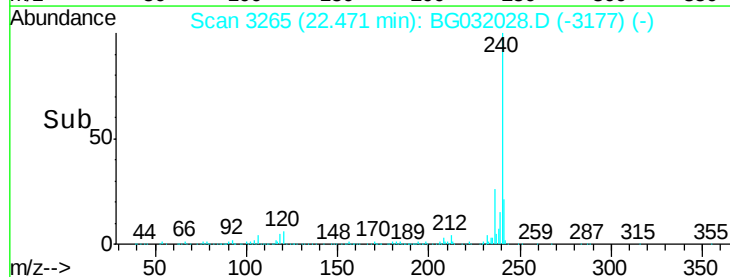
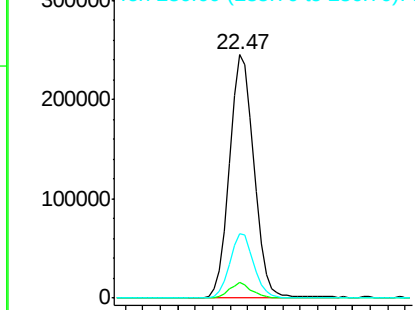


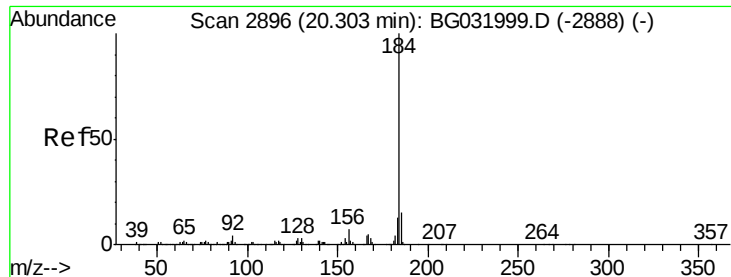
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.47 min Scan# 3265
 Delta R.T. -0.01 min
 Lab File: BG032028.D
 Acq: 13 Jan 2018 7:40

Tgt Ion:240 Resp: 469309
 Ion Ratio Lower Upper
 240 100
 120 6.4 6.8 10.2#
 236 26.2 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

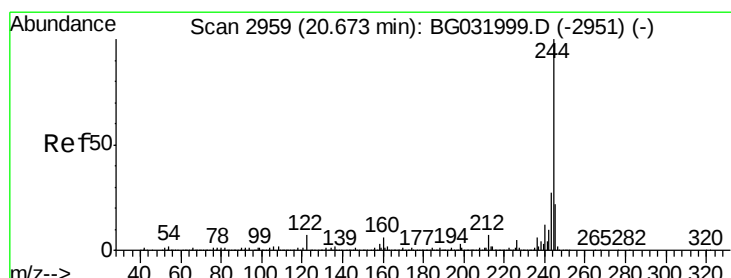
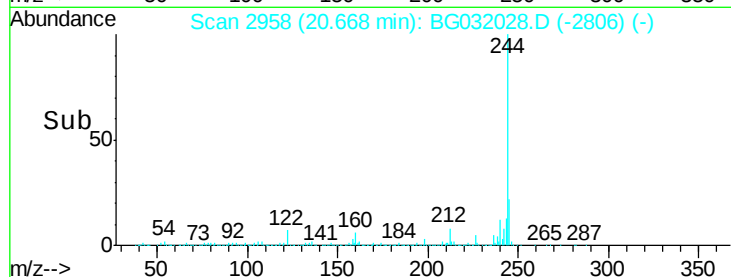
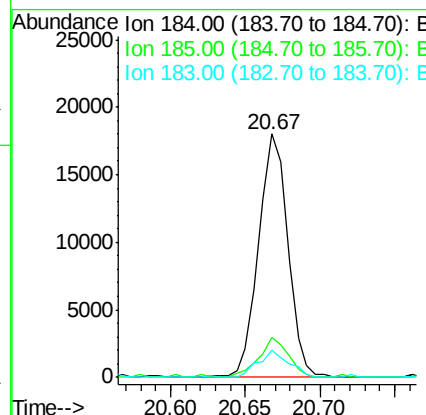
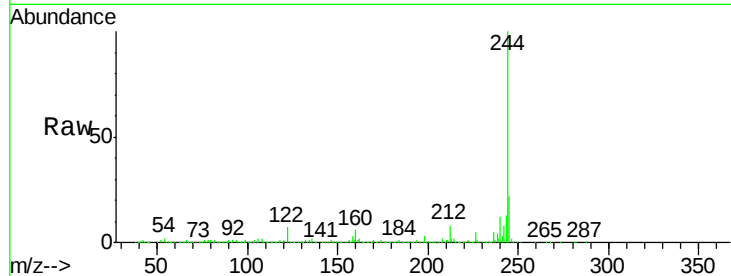




#76
Benzidine
Concen: 2.079 ng
RT: 20.67 min Scan# 2958
Delta R.T. 0.37 min
Lab File: BG032028.D
Acq: 13 Jan 2018 7:40

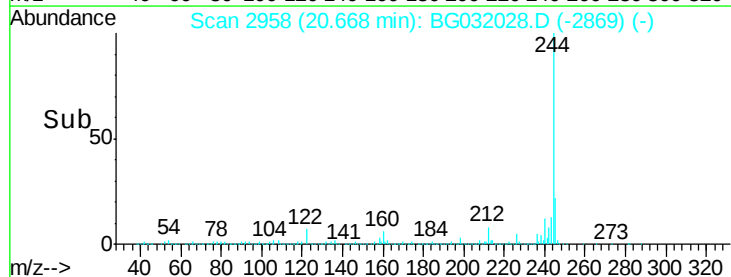
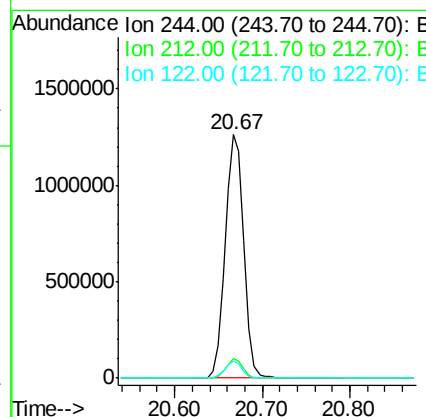
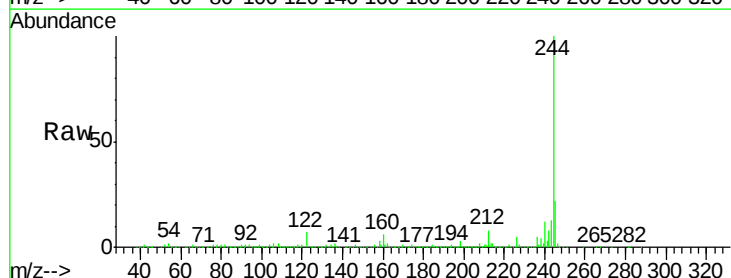
Instrument :
BNA_G
ClientSampleId :
OWS-2

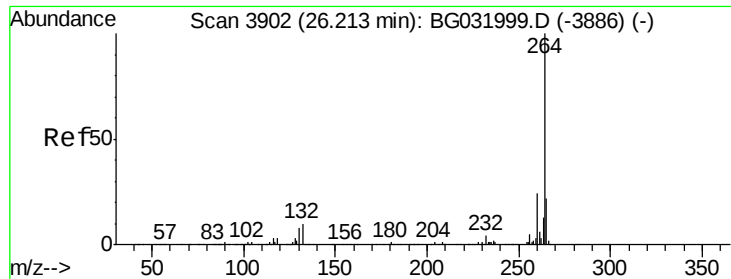
Tgt Ion:184 Resp: 24400
Ion Ratio Lower Upper
184 100
185 16.5 11.1 16.7
183 11.4 10.6 16.0



#78
Terphenyl-d14
Concen: 87.037 ng
RT: 20.67 min Scan# 2958
Delta R.T. -0.01 min
Lab File: BG032028.D
Acq: 13 Jan 2018 7:40

Tgt Ion:244 Resp: 1849936
Ion Ratio Lower Upper
244 100
212 8.0 5.8 8.8
122 6.9 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: BG032028.D
Acq: 13 Jan 2018 7:40

Instrument :
BNA_G
ClientSampleId :
OWS-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.4	26.0
265	23.4	17.7	26.5

