

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG012418\
 Data File : BG032260.D
 Acq On : 24 Jan 2018 14:39
 Operator : SJ/JU
 Sample : J1241-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EPE-108-4(5-10)

Quant Time: Jan 24 16:13:45 2018
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

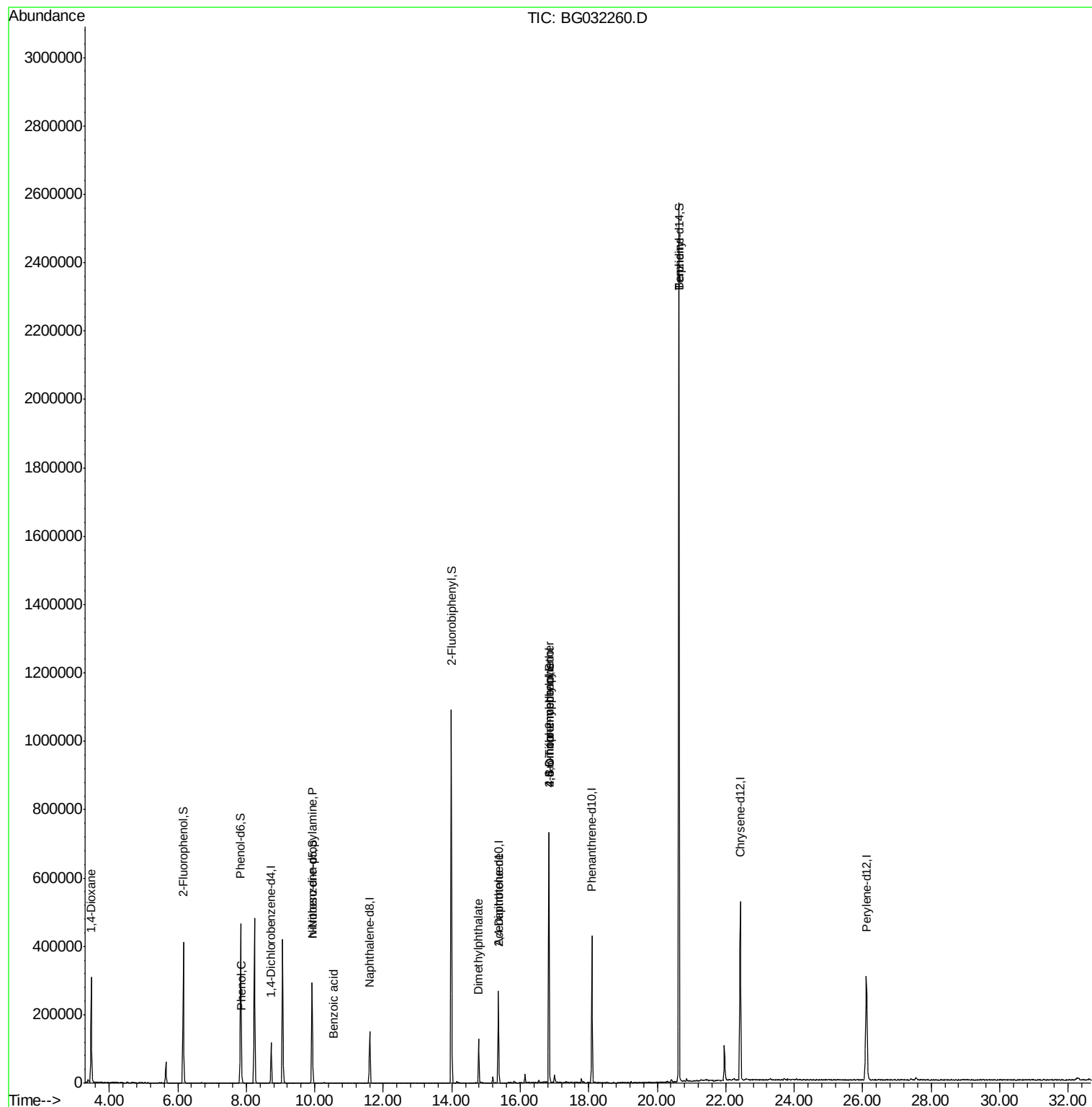
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.73	152	39821	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	148579	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	103138	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	293150	20.00	ng	0.00
75) Chrysene-d12	22.42	240	394281	20.00	ng	0.00
86) Perylene-d12	26.11	264	409101	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	205310	94.30	ng	0.00
7) Phenol-d6	7.84	99	277467	101.19	ng	0.00
23) Nitrobenzene-d5	9.92	82	183520	83.56	ng	0.00
41) 2,4,6-Tribromophenol	16.84	330	168770	98.89	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	635713	76.43	ng	0.00
78) Terphenyl-d14	20.63	244	1400514	78.43	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.47	88	3408	4.074	ng	Qvalue
10) Phenol	7.86	94	7399	2.739	ng	# 1
19) n-Nitroso-di-n-propylamine	9.92	70	25711	15.112	ng	# 82
32) Benzoic acid	10.54	122	66	5.292	ng	# 74
49) Dimethylphthalate	14.79	163	96551	10.698	ng	# 1
56) 2,4-Dinitrotoluene	15.36	165	13627	5.403	ng	# 99
64) 4,6-Dinitro-2-methylphenol	16.84	198	462	5.106	ng	# 18
66) 4-Bromophenyl-phenylether	16.84	248	13991	3.354	ng	# 33
76) Benzidine	20.63	184	19764	2.005	ng	# 1
						# 91

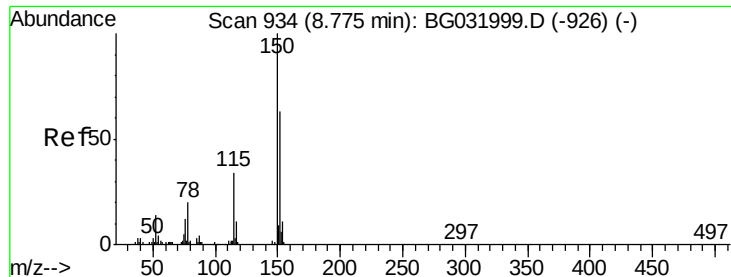
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.73 min Scan# 926

Delta R.T. 0.01 min

Lab File: BG032260.D

Acq: 24 Jan 2018 14:39

Instrument :

BNA_G

ClientSampleId :

EPE-108-4(5-10)

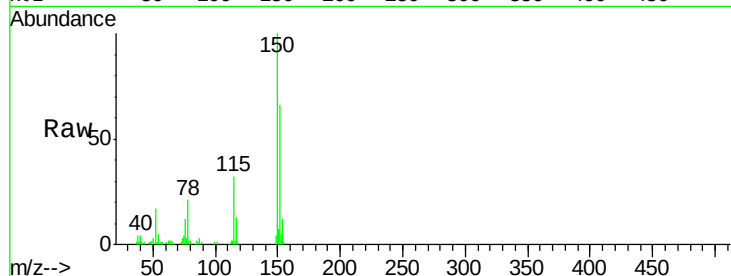
Tgt Ion:152 Resp: 39821

Ion Ratio Lower Upper

152 100

150 151.1 126.6 189.8

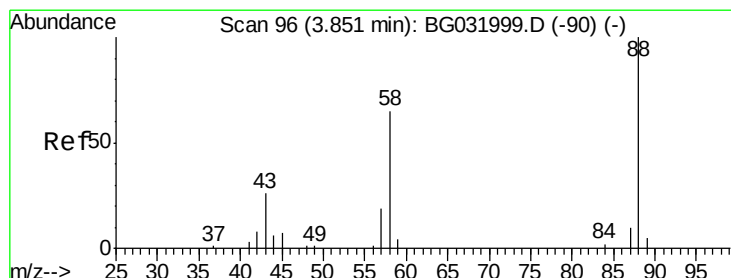
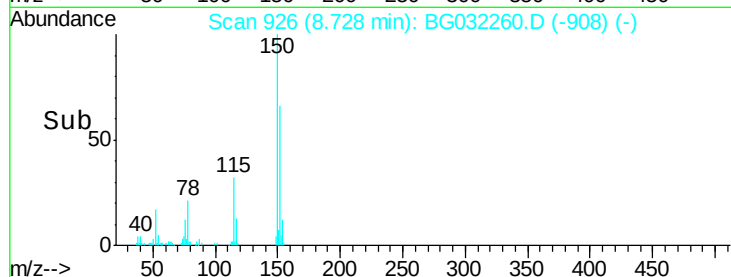
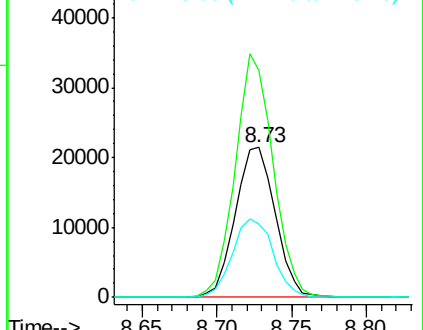
115 49.0 53.0 79.4#



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



#2

1,4-Dioxane

Concen: 4.074 ng

RT: 3.47 min Scan# 31

Delta R.T. -0.35 min

Lab File: BG032260.D

Acq: 24 Jan 2018 14:39

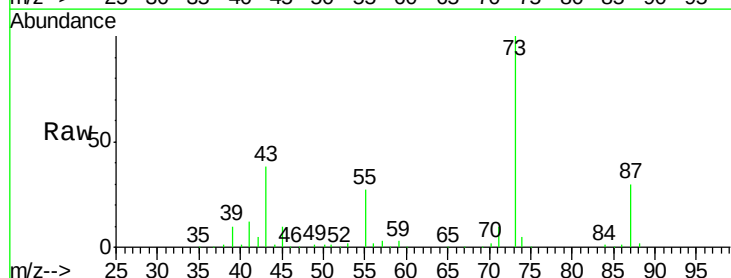
Tgt Ion: 88 Resp: 3408

Ion Ratio Lower Upper

88 100

58 31.3 79.6 119.4#

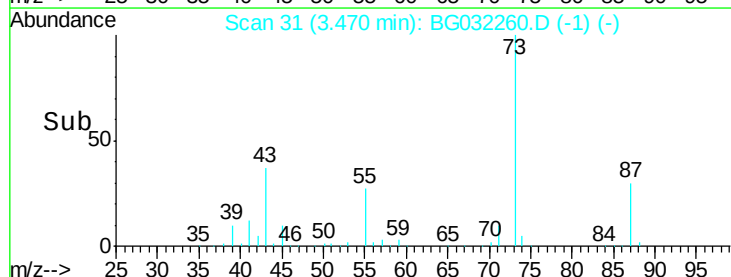
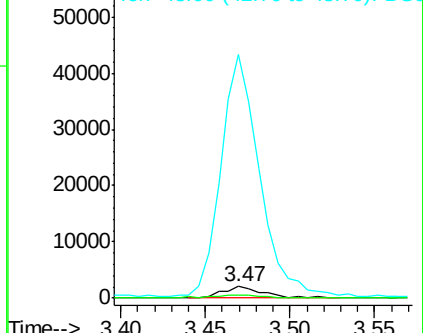
43 2014.3 27.4 41.0#

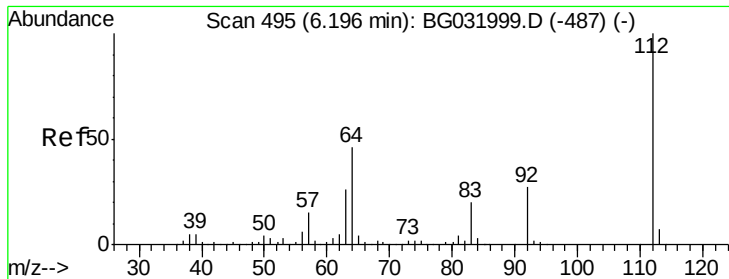


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 94.297 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.00 min

Lab File: BG032260.D

Acq: 24 Jan 2018 14:39

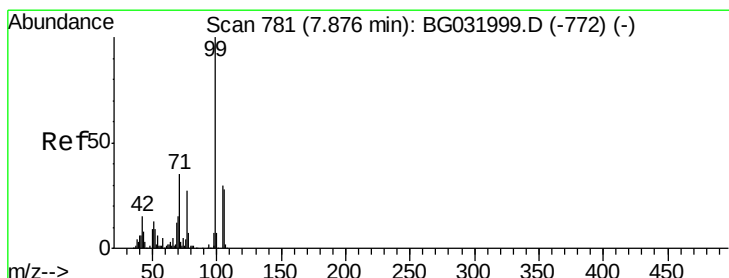
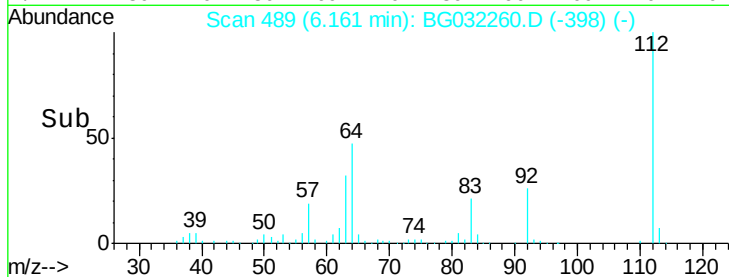
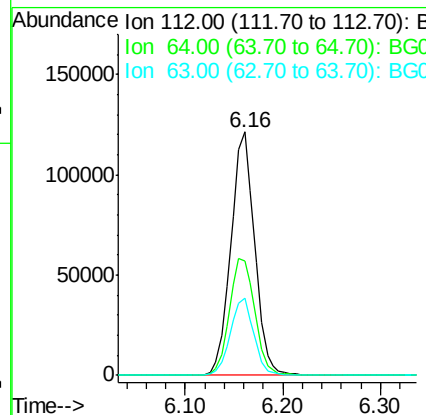
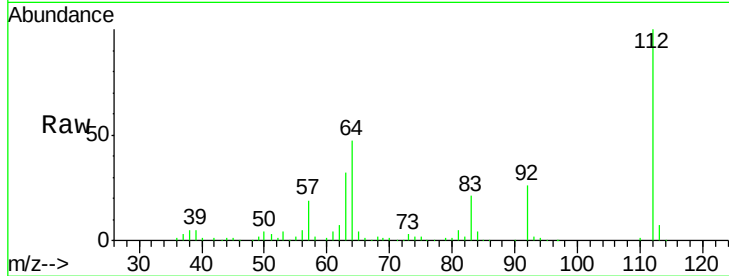
Instrument :

BNA_G

ClientSampleId :

EPE-108-4(5-10)

Tgt Ion:	112	Resp:	205310
Ion Ratio	Lower	Upper	
112	100		
64	47.1	56.3	84.5#
63	31.5	30.1	45.1



#7

Phenol-d6

Concen: 101.186 ng

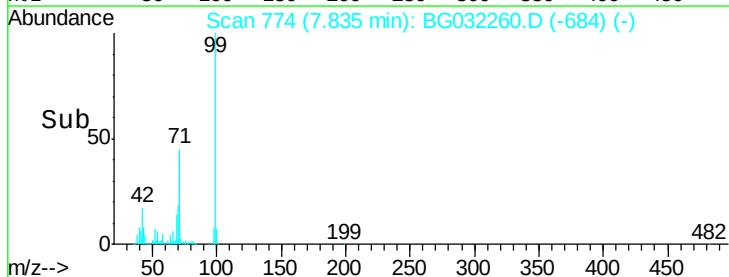
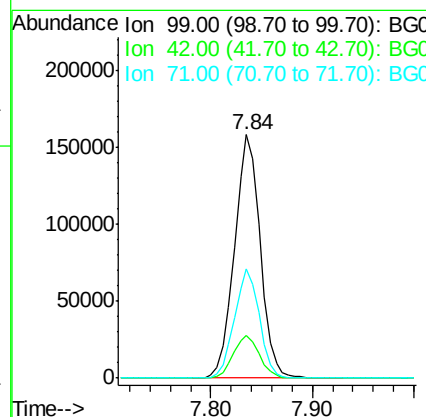
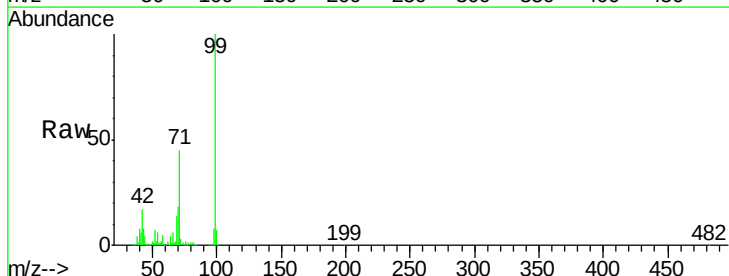
RT: 7.84 min Scan# 774

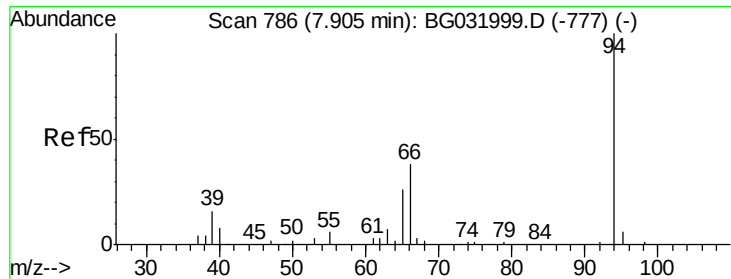
Delta R.T. -0.00 min

Lab File: BG032260.D

Acq: 24 Jan 2018 14:39

Tgt Ion:	99	Resp:	277467
Ion Ratio	Lower	Upper	
99	100		
42	17.3	14.1	21.1
71	45.0	26.1	39.1#





#10

Phenol

Concen: 2.739 ng

RT: 7.86 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG032260.D

Acq: 24 Jan 2018 14:39

Instrument :

BNA_G

ClientSampleId :

EPE-108-4(5-10)

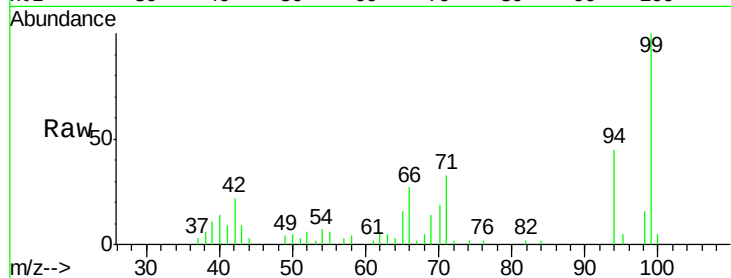
Tgt Ion: 94 Resp: 7399

Ion Ratio Lower Upper

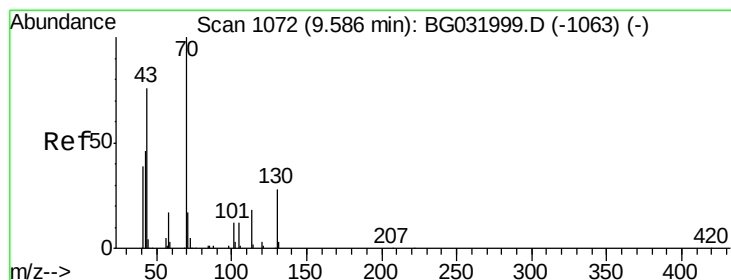
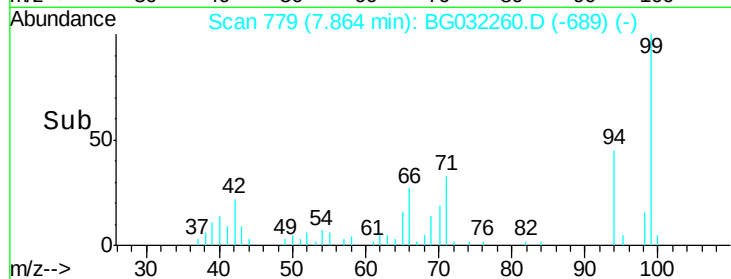
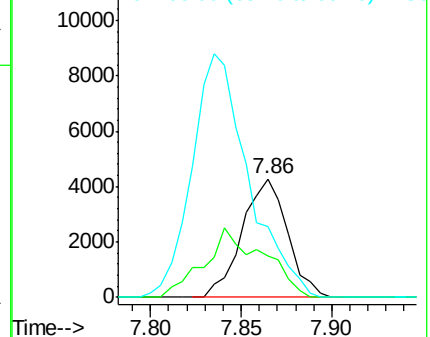
94 100

65 34.6 11.9 51.9

66 59.9 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: 15.112 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032260.D

Acq: 24 Jan 2018 14:39

Tgt Ion: 70 Resp: 25711

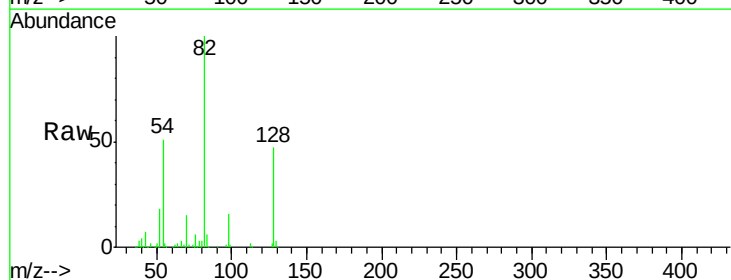
Ion Ratio Lower Upper

70 100

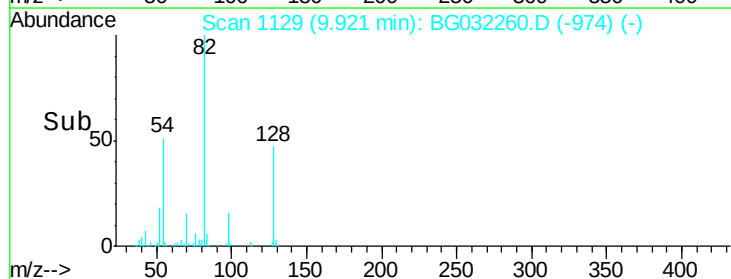
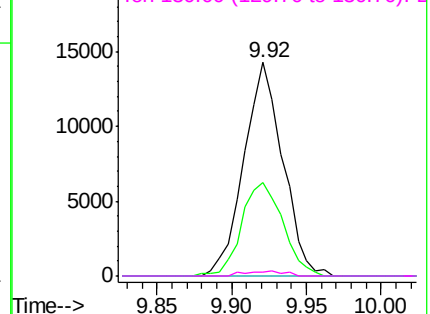
42 43.5 49.1 73.7#

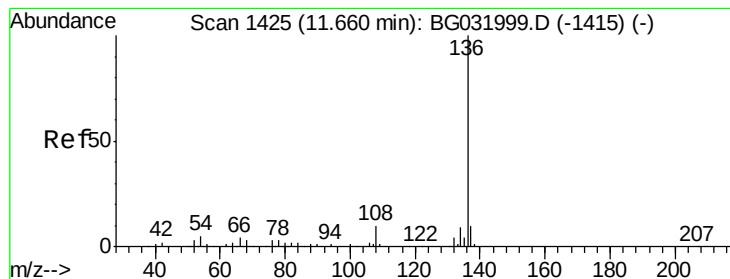
101 0.0 8.5 12.7#

130 1.8 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.60 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BG032260.D

Acq: 24 Jan 2018 14:39

Instrument :

BNA_G

ClientSampleId :

EPE-108-4(5-10)

Tgt Ion:136 Resp: 148579

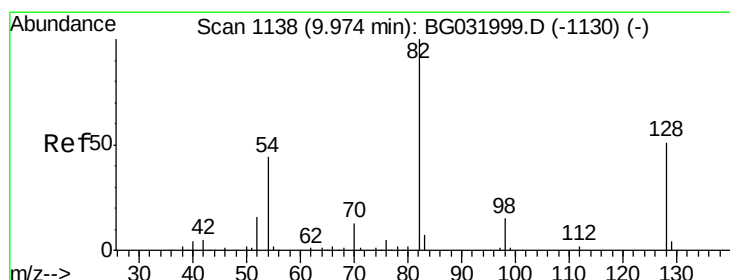
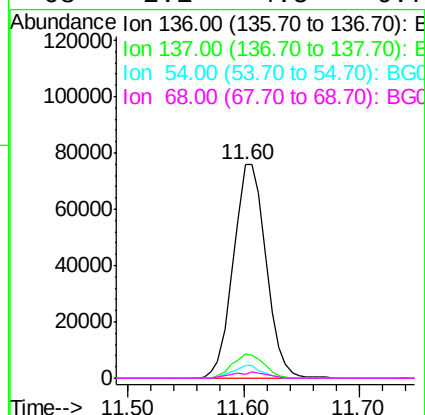
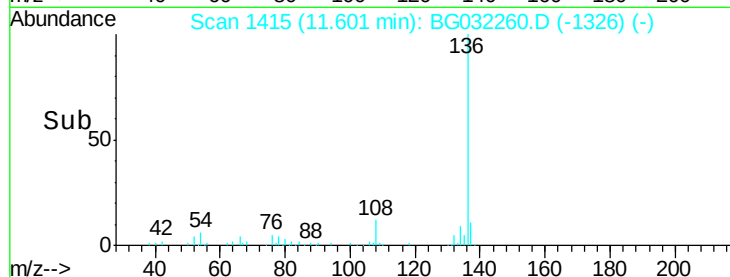
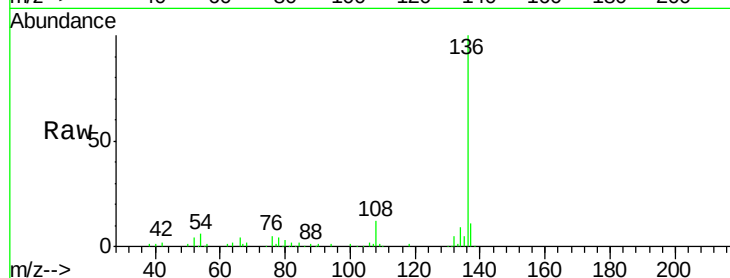
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 5.8 10.3 15.5#

68 2.1 4.5 6.7#



#23

Nitrobenzene-d5

Concen: 83.564 ng

RT: 9.92 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BG032260.D

Acq: 24 Jan 2018 14:39

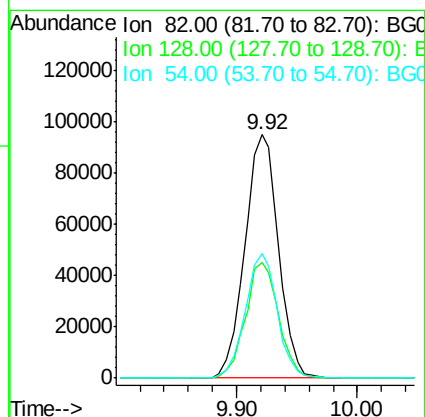
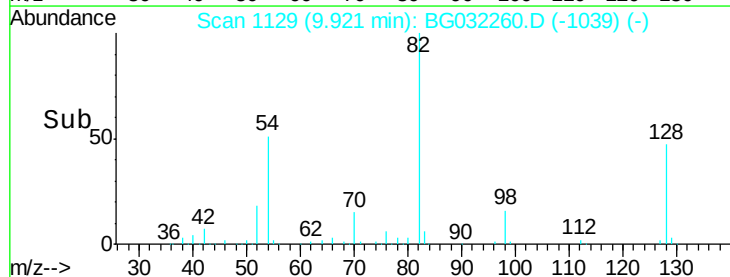
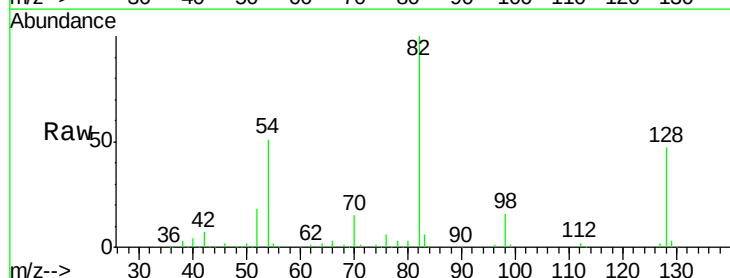
Tgt Ion: 82 Resp: 183520

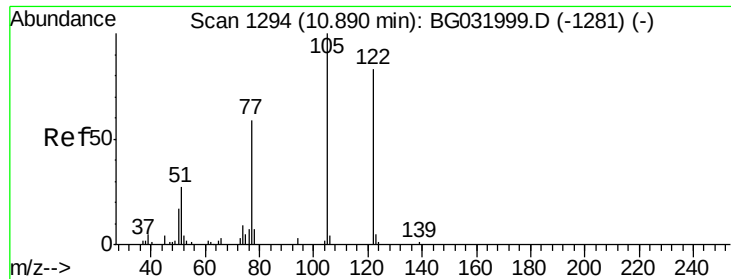
Ion Ratio Lower Upper

82 100

128 47.3 29.7 44.5#

54 51.0 43.1 64.7

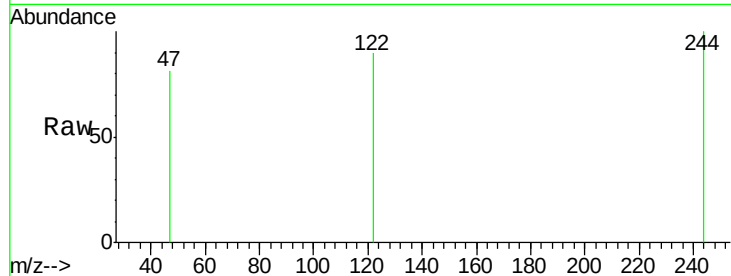




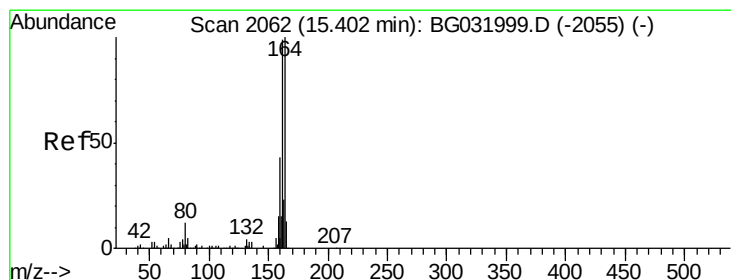
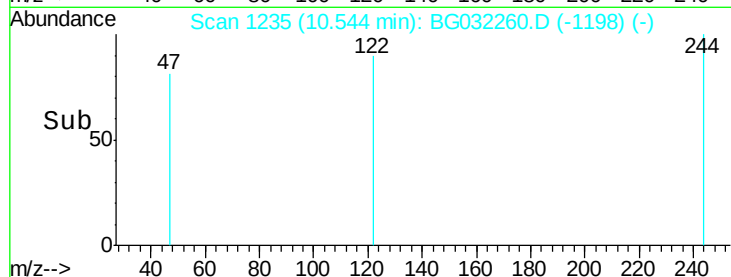
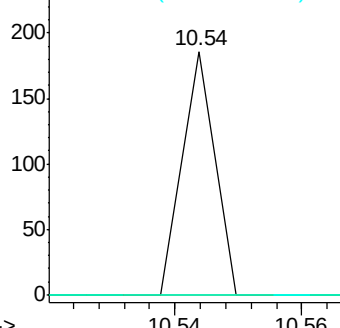
#32
Benzoic acid
Concen: 5.292 ng
RT: 10.54 min Scan# 1235
Delta R.T. -0.31 min
Lab File: BG032260.D
Acq: 24 Jan 2018 14:39

Instrument :
BNA_G
ClientSampleId :
EPE-108-4(5-10)

Tgt Ion:122 Resp: 66
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

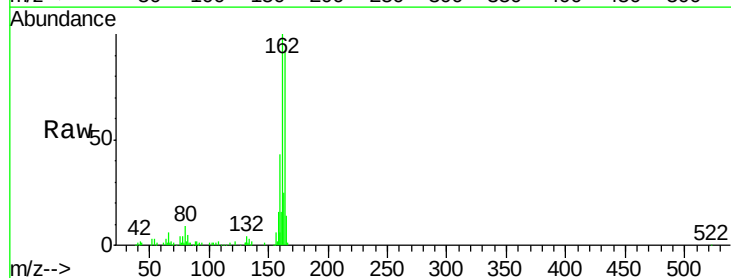


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

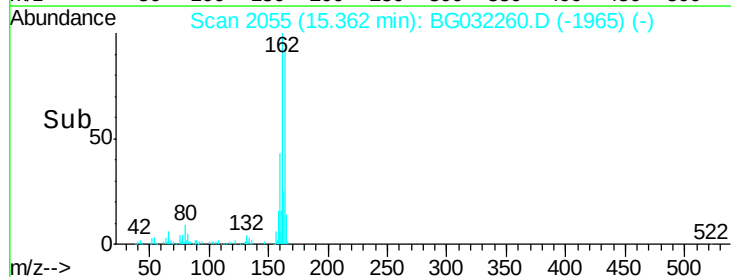
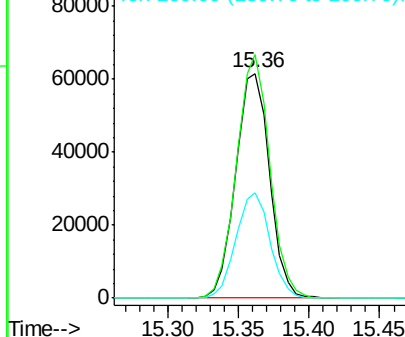


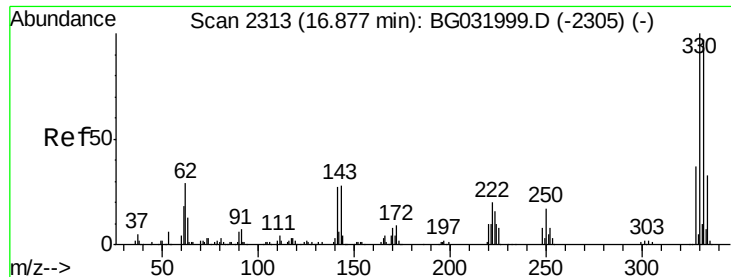
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.36 min Scan# 2055
Delta R.T. -0.00 min
Lab File: BG032260.D
Acq: 24 Jan 2018 14:39

Tgt Ion:164 Resp: 103138
Ion Ratio Lower Upper
164 100
162 108.2 78.8 118.2
160 46.7 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

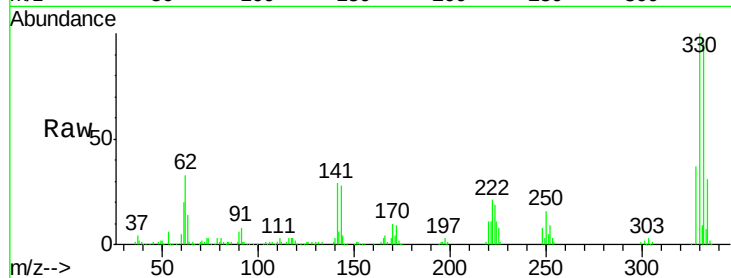




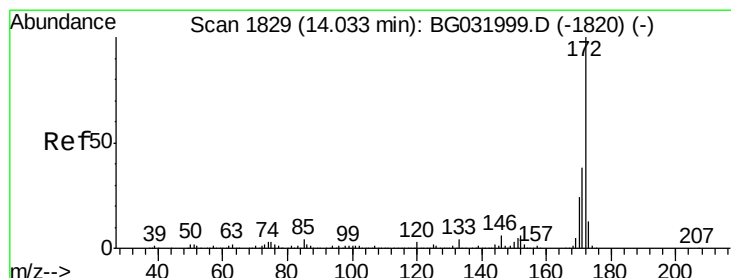
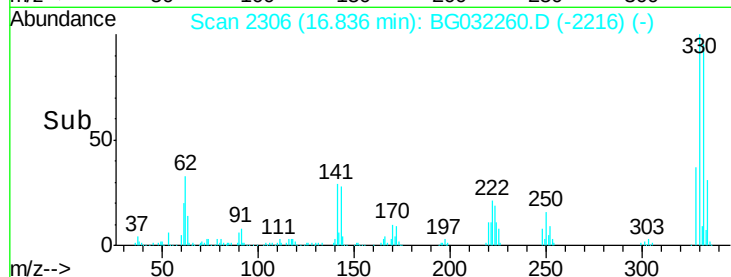
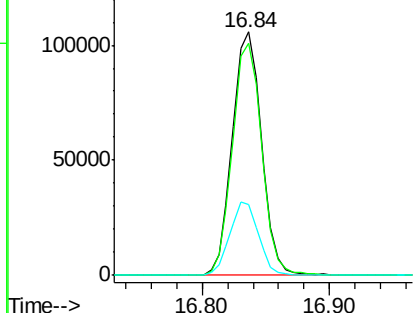
#41
 2,4,6-Tribromophenol
 Concen: 98.887 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: BG032260.D
 Acq: 24 Jan 2018 14:39

Instrument :
 BNA_G
 ClientSampleId :
 EPE-108-4(5-10)

Tgt Ion:330 Resp: 168770
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 29.7 25.2 37.8

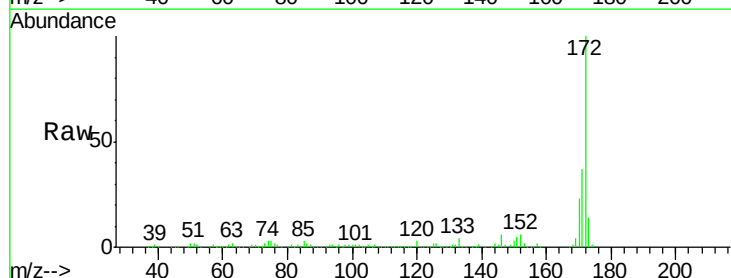


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

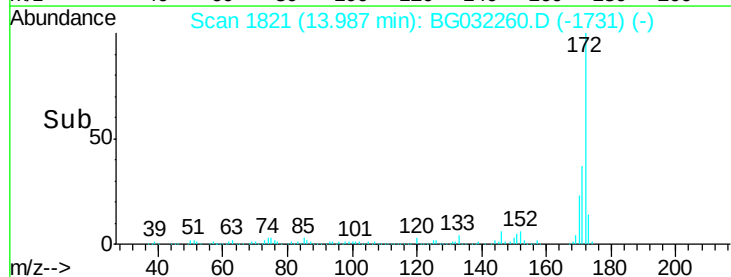
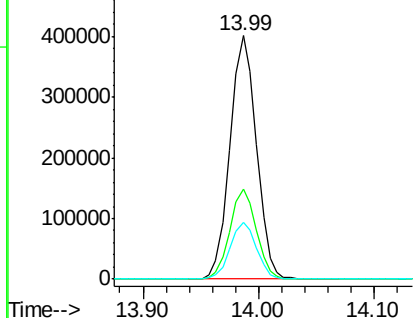


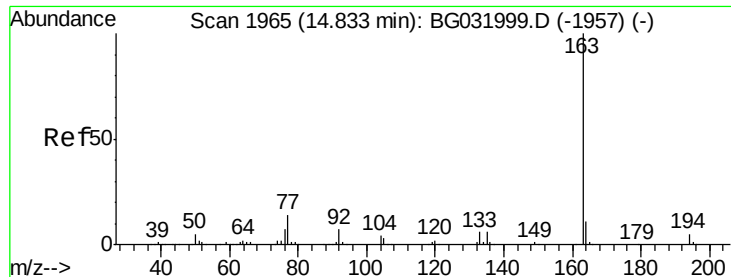
#44
 2-Fluorobiphenyl
 Concen: 76.427 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: BG032260.D
 Acq: 24 Jan 2018 14:39

Tgt Ion:172 Resp: 635713
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.0 45.0
 170 23.4 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





#49

Dimethylphthalate

Concen: 10.698 ng

RT: 14.79 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BG032260.D

Acq: 24 Jan 2018 14:39

Instrument :

BNA_G

ClientSampleId :

EPE-108-4(5-10)

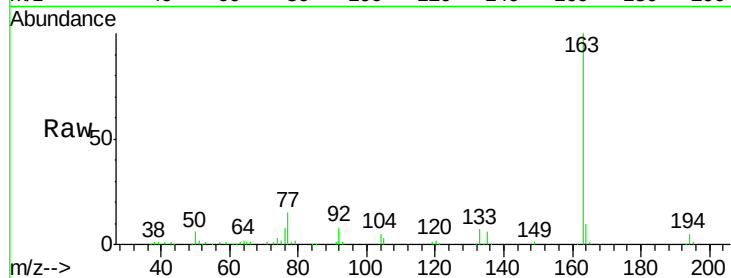
Tgt Ion:163 Resp: 96551

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

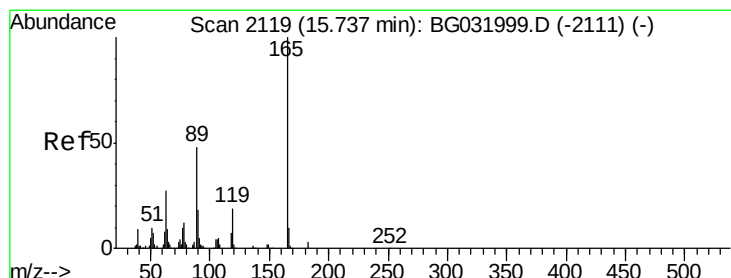
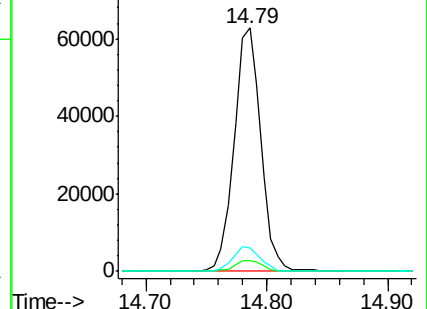
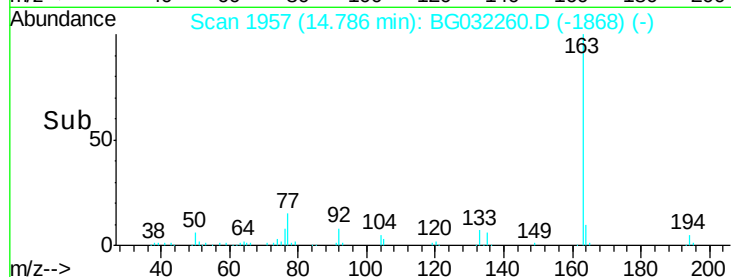
164 9.8 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.403 ng

RT: 15.36 min Scan# 2055

Delta R.T. -0.34 min

Lab File: BG032260.D

Acq: 24 Jan 2018 14:39

Tgt Ion:165 Resp: 13627

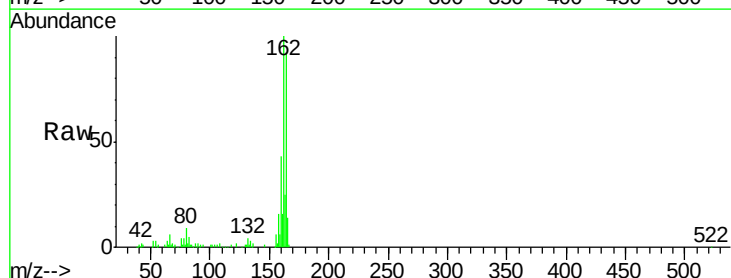
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 1.9 66.9 100.3#

182 0.0 2.6 3.8#

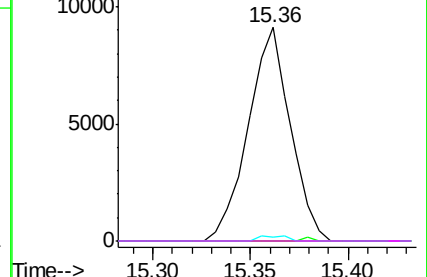
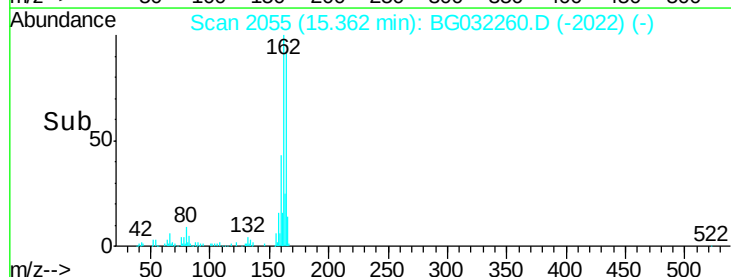


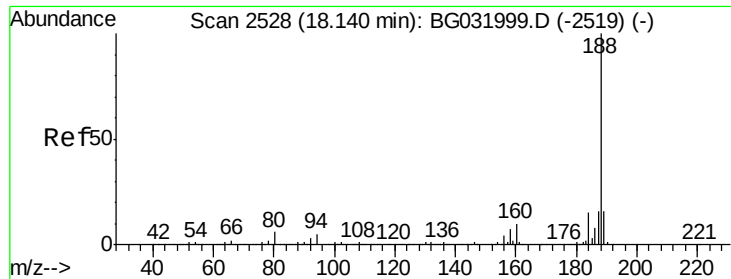
Abundance Ion 165.00 (164.70 to 165.70): E

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

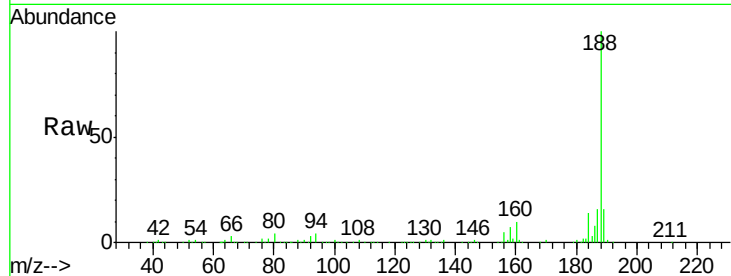




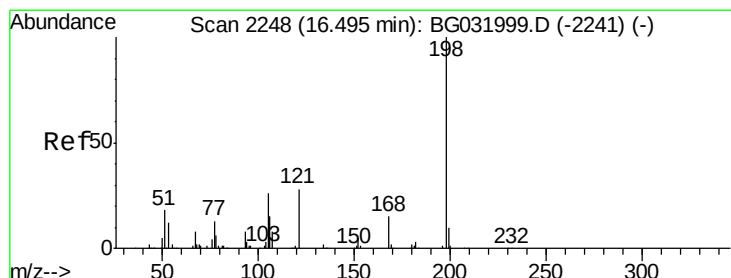
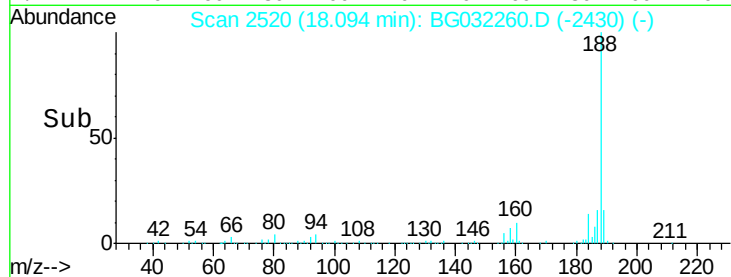
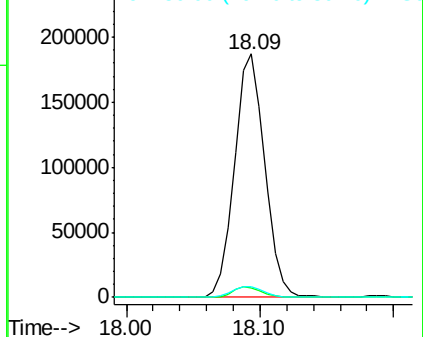
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2520
Delta R.T. -0.00 min
Lab File: BG032260.D
Acq: 24 Jan 2018 14:39

Instrument :
BNA_G
ClientSampleId :
EPE-108-4(5-10)

Tgt Ion:188 Resp: 293150
Ion Ratio Lower Upper
188 100
94 3.8 6.9 10.3#
80 4.5 7.7 11.5#

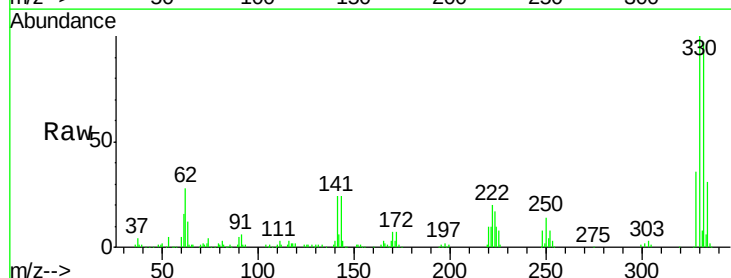


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

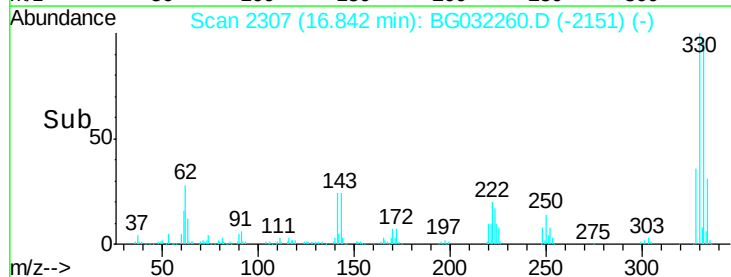
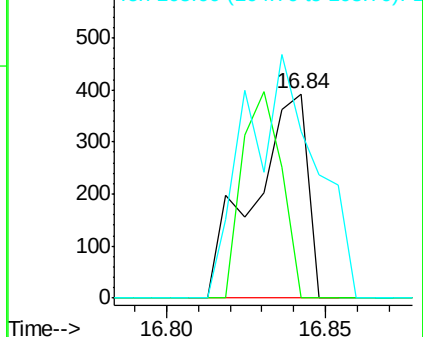


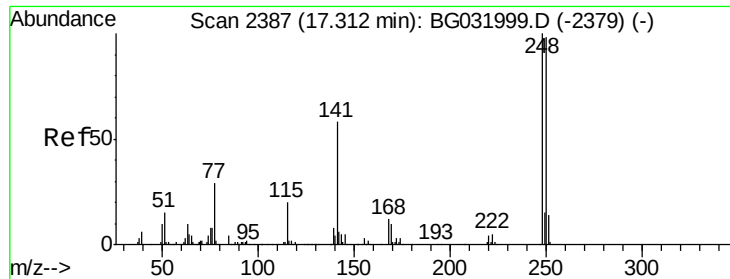
#64
4,6-Dinitro-2-methylphenol
Concen: 5.106 ng
RT: 16.84 min Scan# 2307
Delta R.T. 0.39 min
Lab File: BG032260.D
Acq: 24 Jan 2018 14:39

Tgt Ion:198 Resp: 462
Ion Ratio Lower Upper
198 100
51 0.0 30.6 70.6#
105 81.9 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

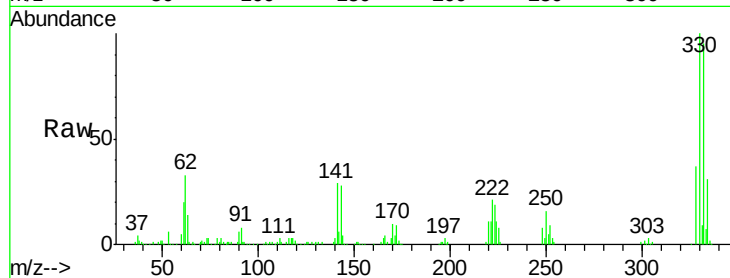




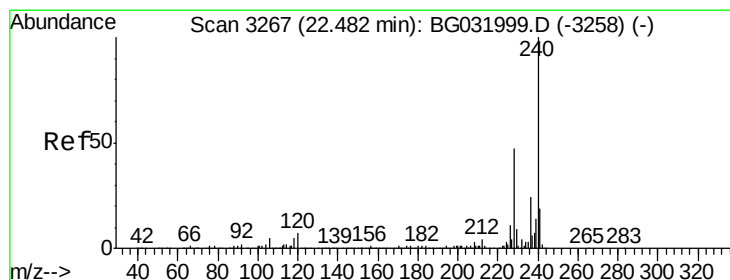
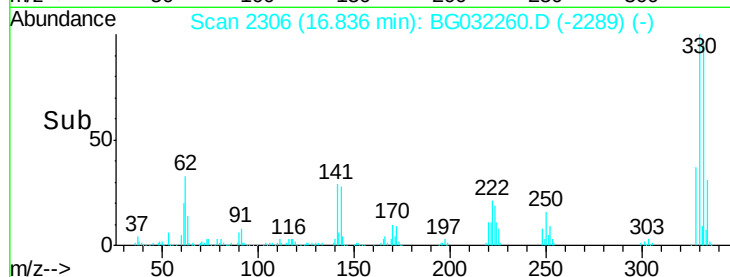
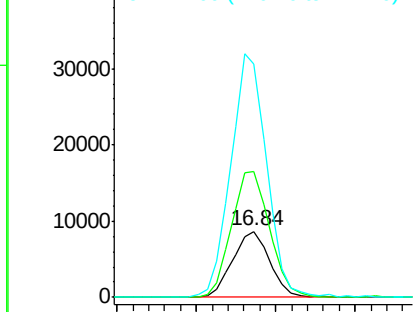
#66
4-Bromophenyl-phenylether
Concen: 3.354 ng
RT: 16.84 min Scan# 2306
Delta R.T. -0.43 min
Lab File: BG032260.D
Acq: 24 Jan 2018 14:39

Instrument :
BNA_G
ClientSampleId :
EPE-108-4(5-10)

Tgt Ion:248 Resp: 13991
Ion Ratio Lower Upper
248 100
250 189.5 77.1 115.7#
141 352.8 50.8 76.2#

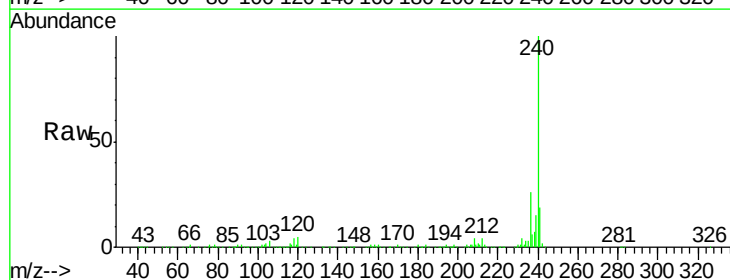


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

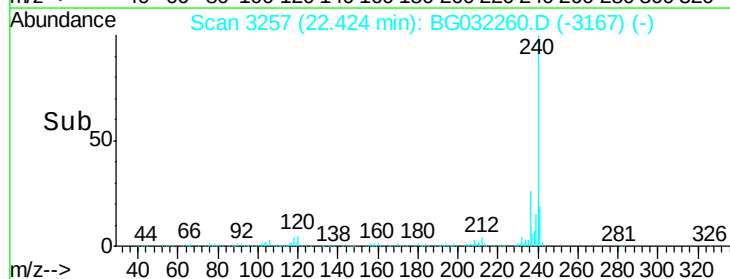
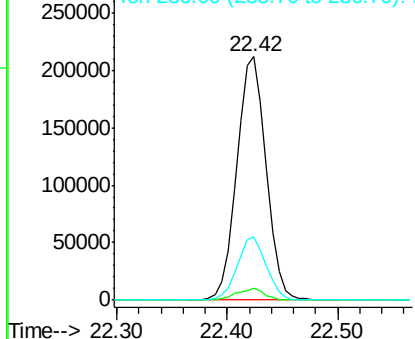


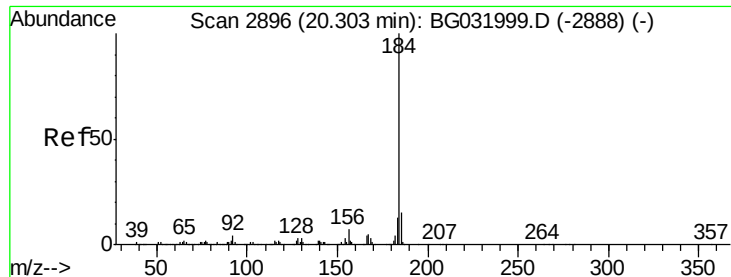
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.42 min Scan# 3257
Delta R.T. -0.00 min
Lab File: BG032260.D
Acq: 24 Jan 2018 14:39

Tgt Ion:240 Resp: 394281
Ion Ratio Lower Upper
240 100
120 4.8 6.8 10.2#
236 26.1 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

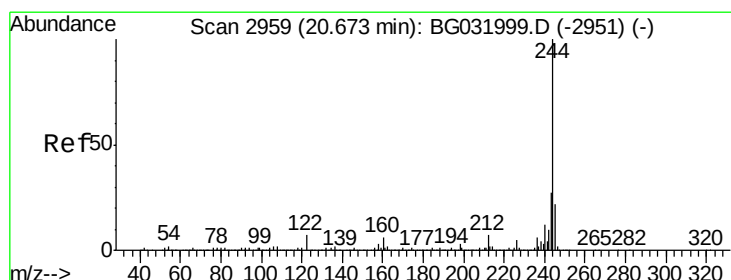
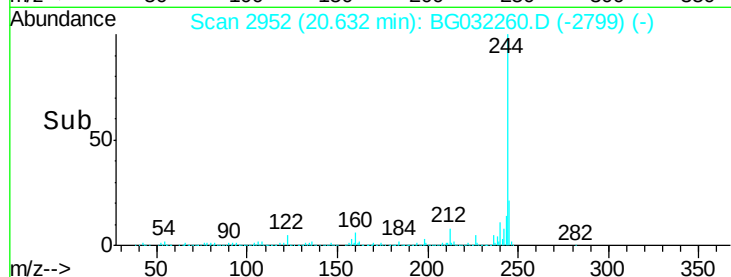
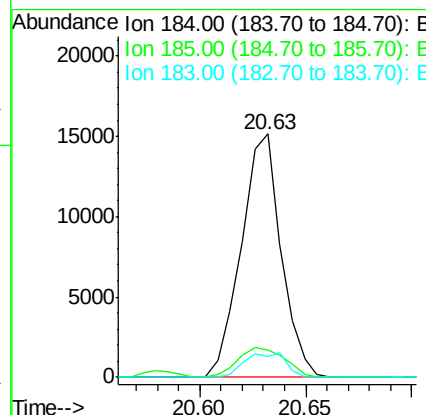
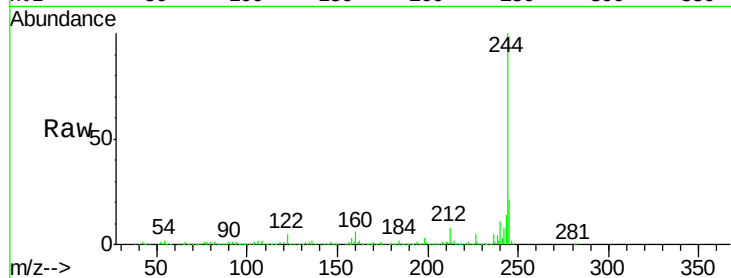




#76
Benzidine
Concen: 2.005 ng
RT: 20.63 min Scan# 2952
Delta R.T. 0.37 min
Lab File: BG032260.D
Acq: 24 Jan 2018 14:39

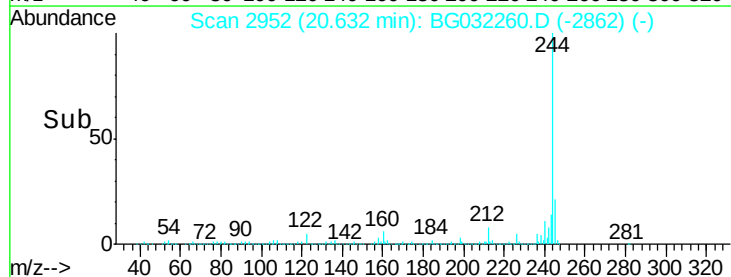
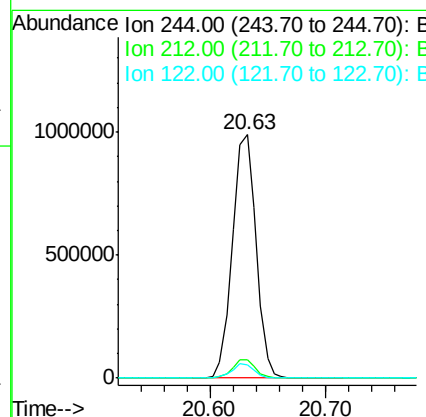
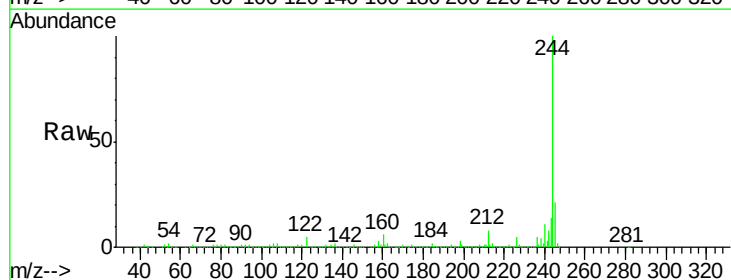
Instrument :
BNA_G
ClientSampleId :
EPE-108-4(5-10)

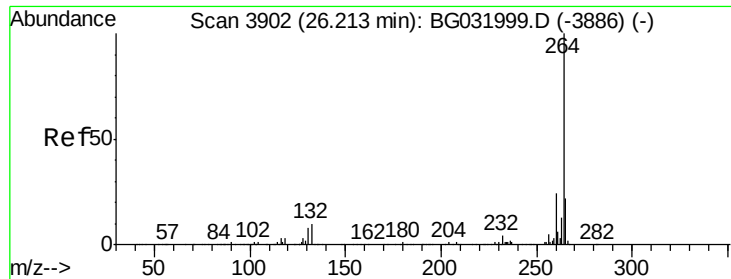
Tgt Ion:184 Resp: 19764
Ion Ratio Lower Upper
184 100
185 11.0 11.1 16.7#
183 8.6 10.6 16.0#



#78
Terphenyl-d14
Concen: 78.431 ng
RT: 20.63 min Scan# 2952
Delta R.T. -0.00 min
Lab File: BG032260.D
Acq: 24 Jan 2018 14:39

Tgt Ion:244 Resp: 1400514
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.8
122 5.5 7.0 10.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 26.11 min Scan# 3884
Delta R.T. -0.00 min
Lab File: BG032260.D
Acq: 24 Jan 2018 14:39

Instrument :
BNA_G
ClientSampleId :
EPE-108-4(5-10)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	21.8	17.7	26.5

