

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042018\
 Data File : BG033886.D
 Acq On : 20 Apr 2018 15:02
 Operator : SJ/JU
 Sample : J2448-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EPE-118-1(5-10)

Quant Time: Apr 21 05:14:07 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

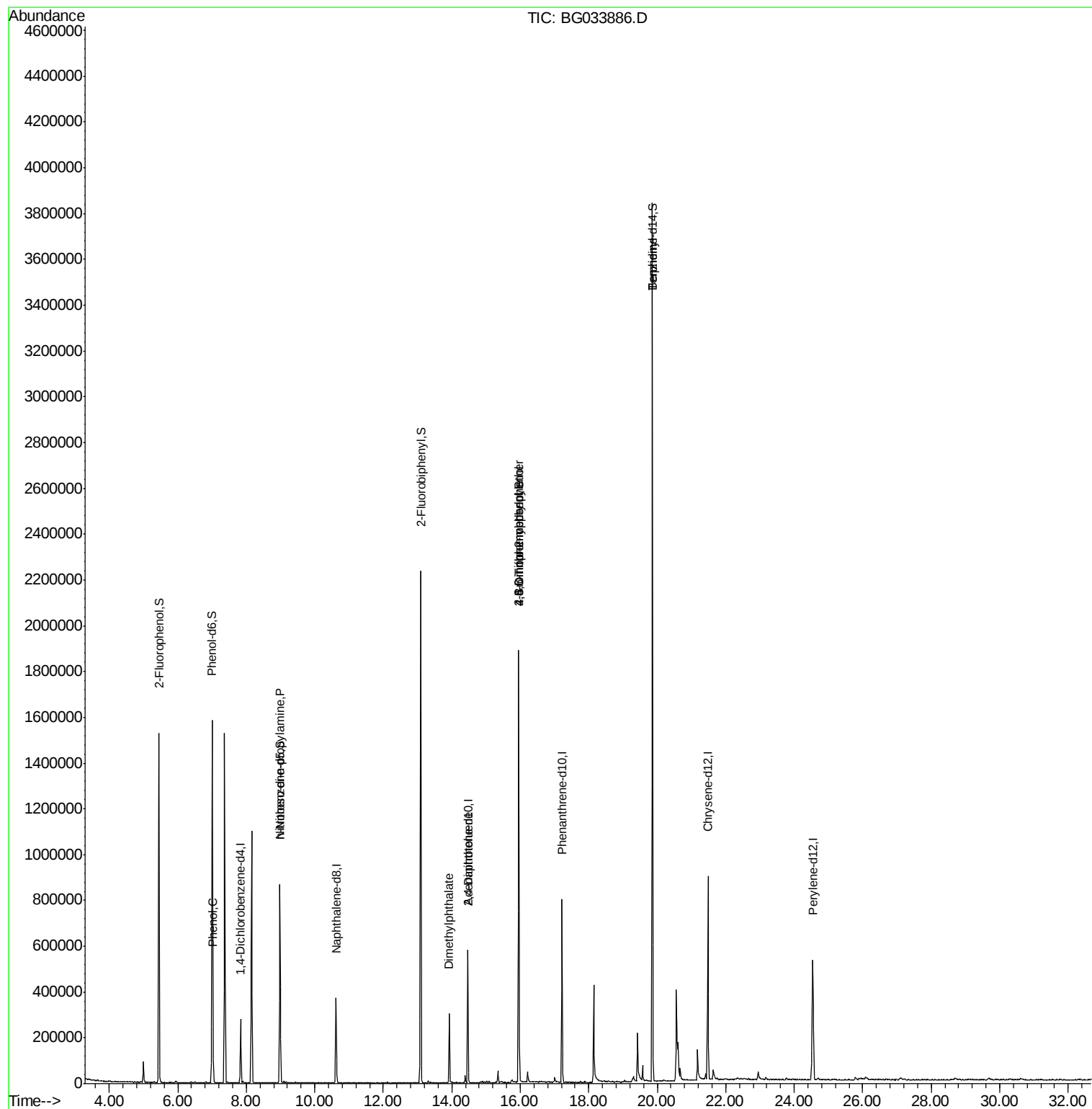
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	73945	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	311644	20.00	ng	0.00
38) Acenaphthene-d10	14.47	164	196868	20.00	ng	0.00
63) Phenanthrene-d10	17.22	188	481094	20.00	ng	0.00
75) Chrysene-d12	21.48	240	519814	20.00	ng	-0.01
86) Perylene-d12	24.54	264	527961	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	643338	138.90	ng	0.00
7) Phenol-d6	7.01	99	851517	126.05	ng	0.00
23) Nitrobenzene-d5	8.99	82	513298	93.73	ng	0.00
41) 2,4,6-Tribromophenol	15.96	330	337124	146.78	ng	0.00
44) 2-Fluorobiphenyl	13.09	172	1148315	85.69	ng	0.00
78) Terphenyl-d14	19.86	244	1798610	77.74	ng	0.00
Target Compounds						
9) Benzaldehyde	7.01	77	2282	Below Cal		Qvalue
10) Phenol	7.03	94	44503	6.431 ng	#	5
19) n-Nitroso-di-n-propylamine	8.99	70	71821	12.472 ng	#	79
49) Dimethylphthalate	13.93	163	192766	11.131 ng		100
56) 2,4-Dinitrotoluene	14.47	165	26289	6.024 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.95	198	1770	7.150 ng		98
66) 4-Bromophenyl-phenylether	15.95	248	25123	4.755 ng	#	1
76) Benzydine	19.86	184	28801	2.052 ng	#	94

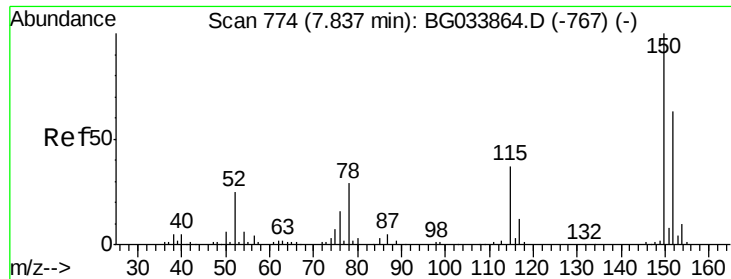
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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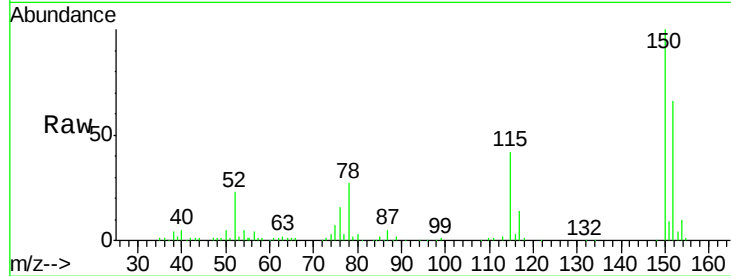


#1

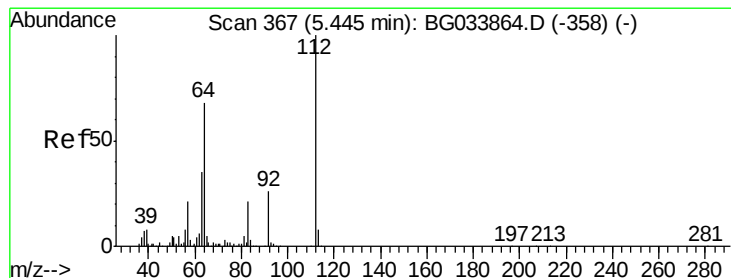
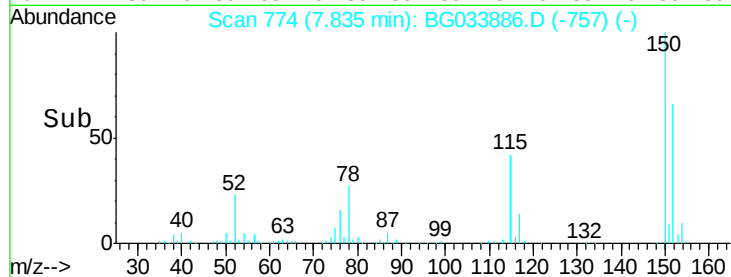
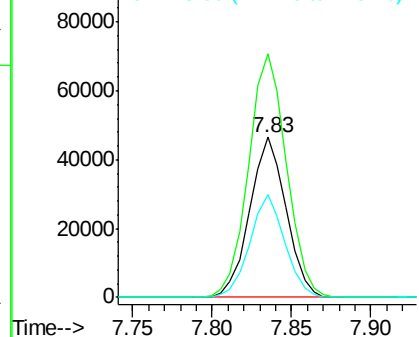
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 774
Delta R.T. -0.00 min
Lab File: BG033886.D
Acq: 20 Apr 2018 15:02

Instrument :
BNA_G
ClientSampleId :
EPE-118-1(5-10)

Tot Ion:152 Resp: 73945
Ion Ratio Lower Upper
152 100
150 152.0 126.6 189.8
115 64.2 53.0 79.4



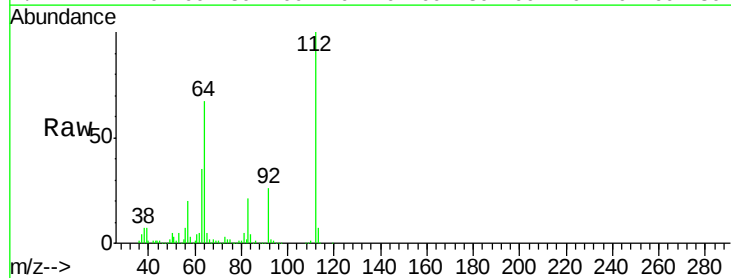
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



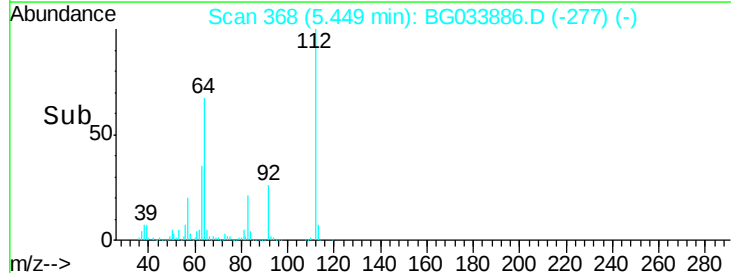
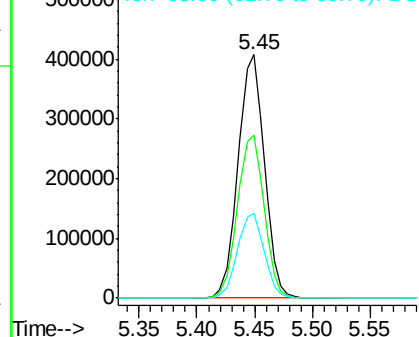
#5

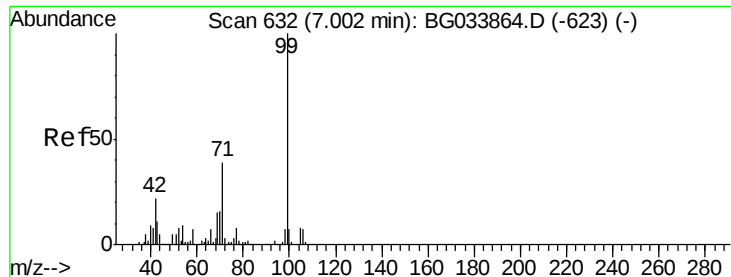
2-Fluorophenol
Concen: 138.902 ng
RT: 5.45 min Scan# 368
Delta R.T. 0.00 min
Lab File: BG033886.D
Acq: 20 Apr 2018 15:02

Tgt Ion:112 Resp: 643338
Ion Ratio Lower Upper
112 100
64 67.1 56.3 84.5
63 34.7 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





#7

Phenol-d6

Concen: 126.049 ng

RT: 7.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: BG033886.D

Acq: 20 Apr 2018 15:02

Instrument :

BNA_G

ClientSampleId :

EPE-118-1(5-10)

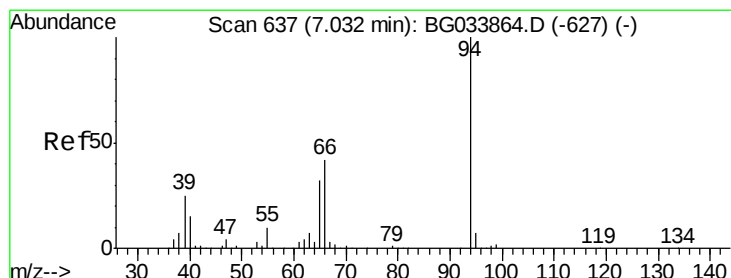
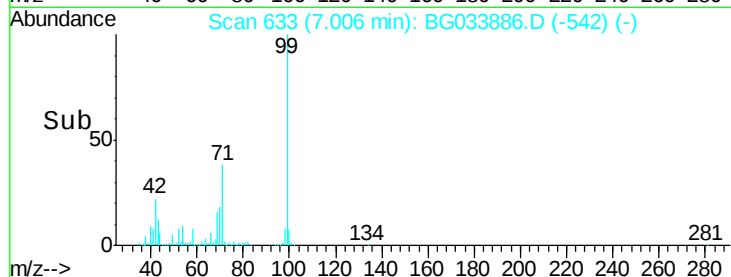
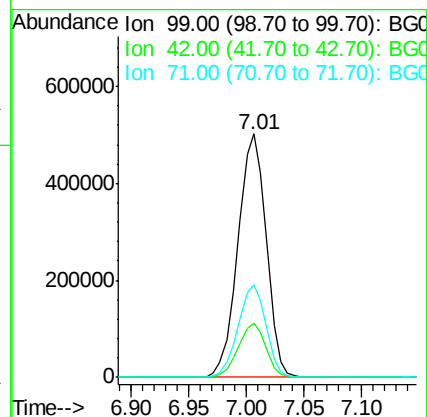
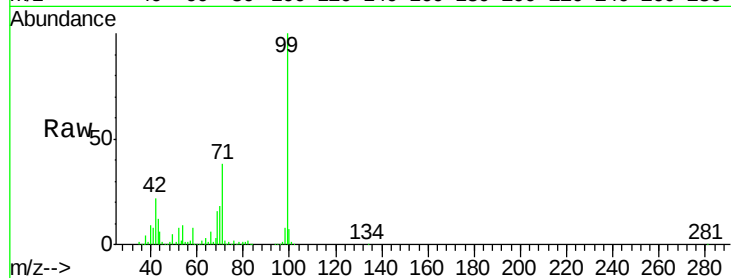
Tot Ion: 99 Resp: 851517

Ion Ratio Lower Upper

99 100

42 22.3 14.1 21.1#

71 38.0 26.1 39.1



#10

Phenol

Concen: 6.431 ng

RT: 7.03 min Scan# 637

Delta R.T. -0.00 min

Lab File: BG033886.D

Acq: 20 Apr 2018 15:02

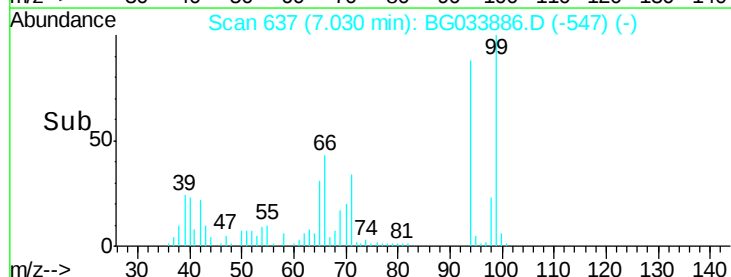
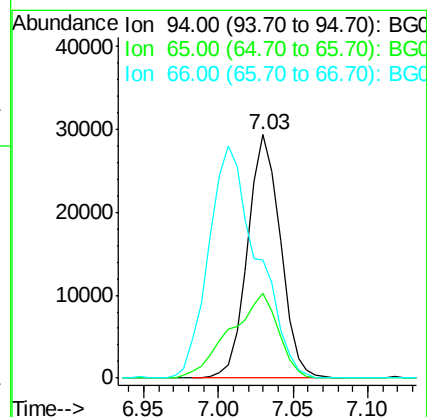
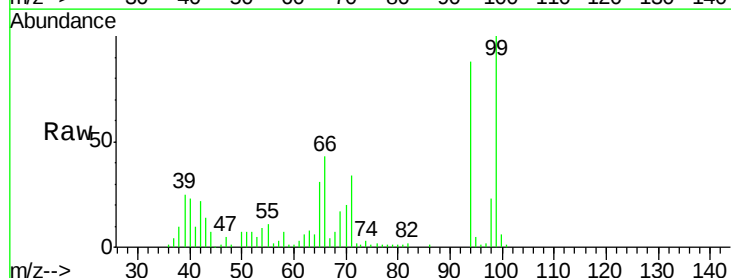
Tgt Ion: 94 Resp: 44503

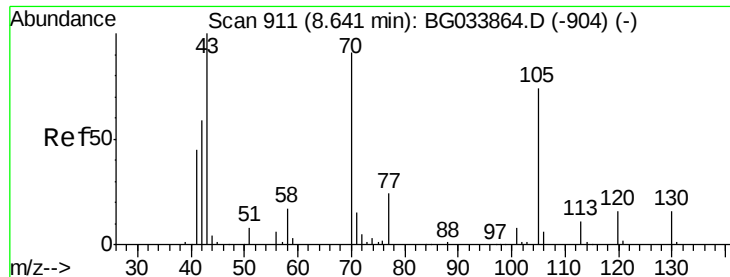
Ion Ratio Lower Upper

94 100

65 34.8 11.9 51.9

66 48.6 22.2 62.2





#19

n-Nitroso-di-n-propylamine

Concen: 12.472 ng

RT: 8.99 min Scan# 970

Delta R.T. 0.34 min

Lab File: BG033886.D

Acq: 20 Apr 2018 15:02

Instrument :

BNA_G

ClientSampleId :

EPE-118-1(5-10)

Tot Ion: 70 Resp: 71821

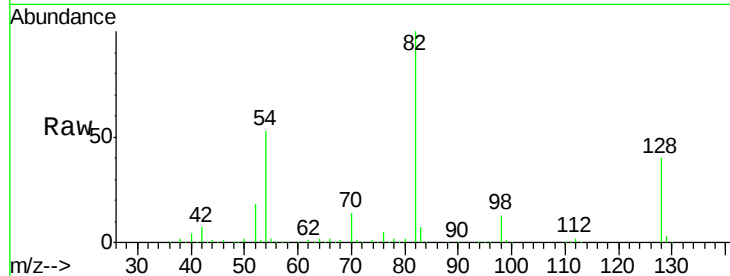
Ion Ratio Lower Upper

70 100

42 48.6 49.1 73.7#

101 0.0 8.5 12.7#

130 2.7 13.4 20.0#

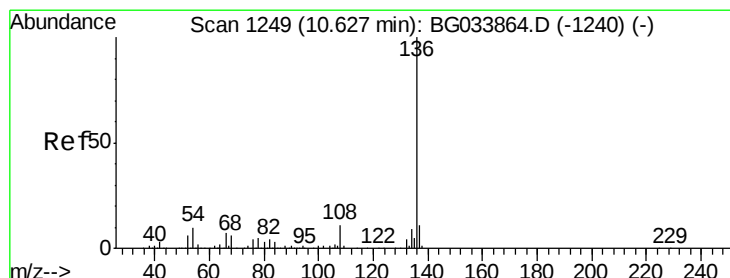
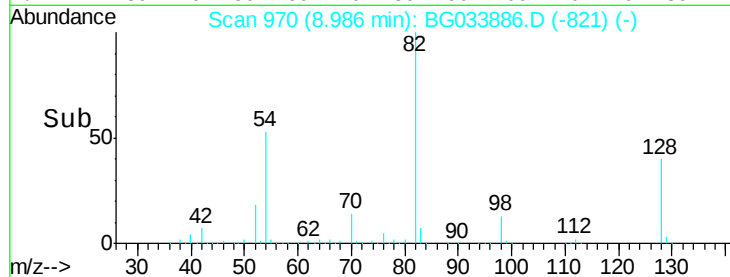
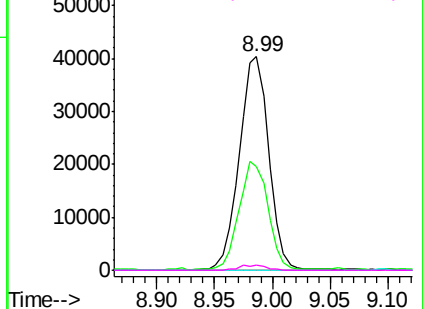


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.62 min Scan# 1248

Delta R.T. -0.01 min

Lab File: BG033886.D

Acq: 20 Apr 2018 15:02

Tgt Ion: 136 Resp: 311644

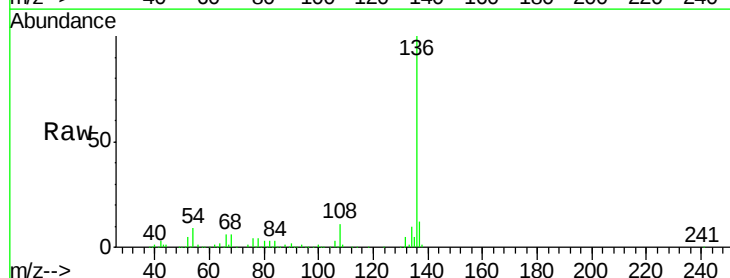
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 9.1 10.3 15.5#

68 5.7 4.5 6.7

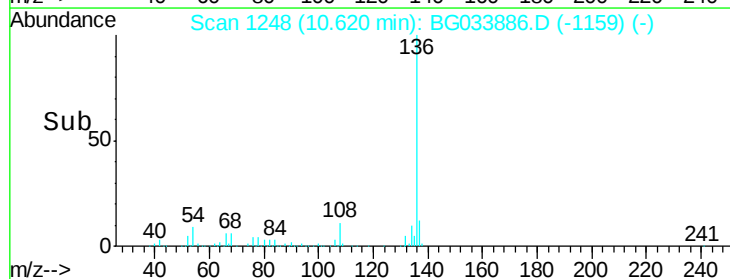
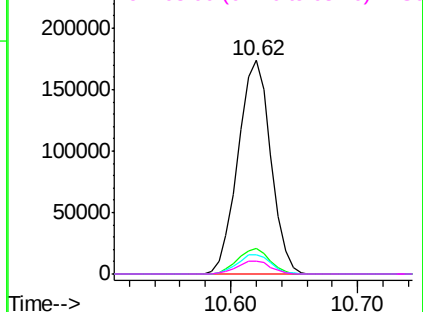


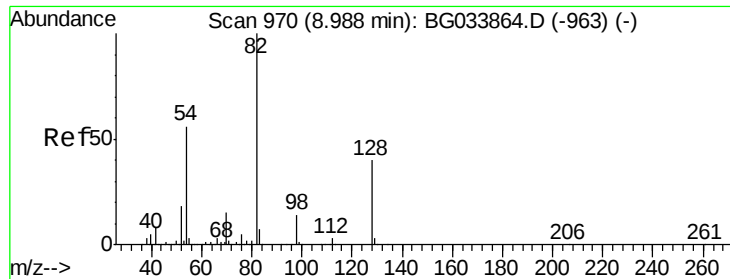
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 93.734 ng

RT: 8.99 min Scan# 970

Delta R.T. -0.00 min

Lab File: BG033886.D

Acq: 20 Apr 2018 15:02

Instrument :

BNA_G

ClientSampleId :

EPE-118-1(5-10)

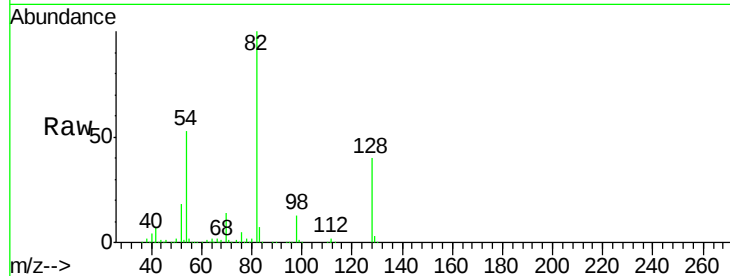
Tot Ion: 82 Resp: 513298

Ion Ratio Lower Upper

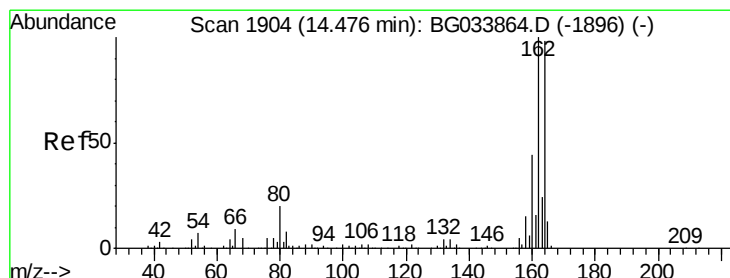
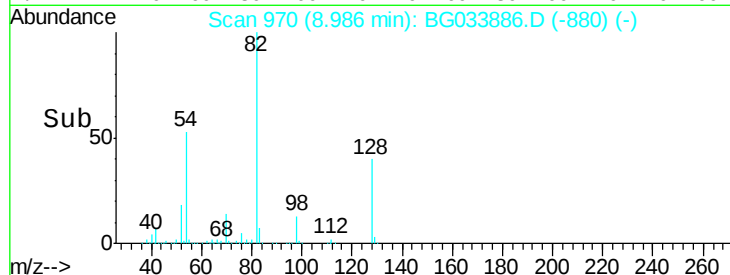
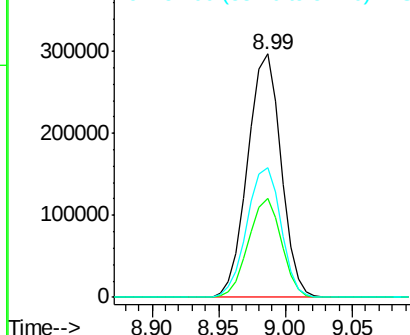
82 100

128 40.5 29.7 44.5

54 53.5 43.1 64.7



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.47 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BG033886.D

Acq: 20 Apr 2018 15:02

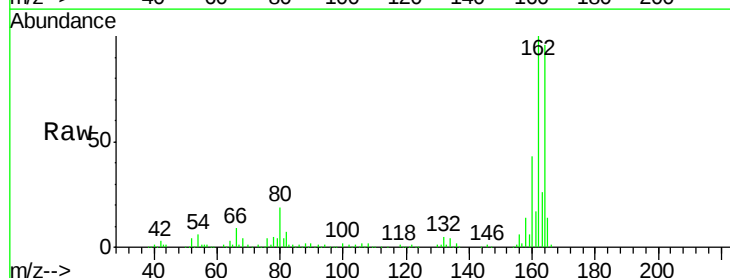
Tgt Ion:164 Resp: 196868

Ion Ratio Lower Upper

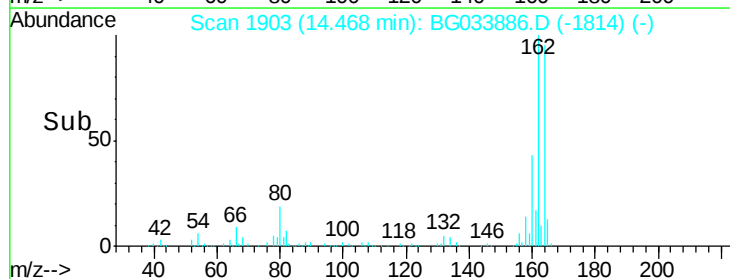
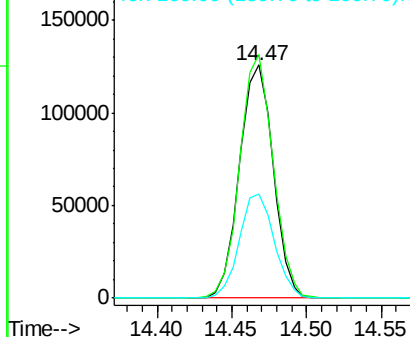
164 100

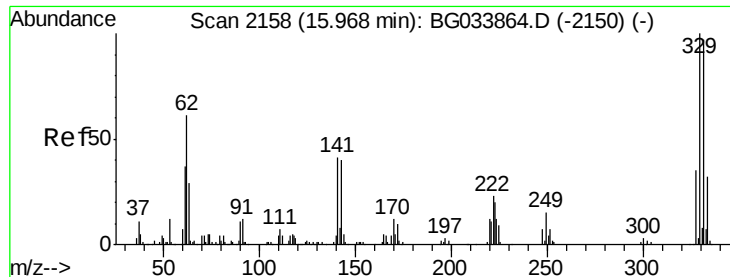
162 104.4 78.8 118.2

160 44.6 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

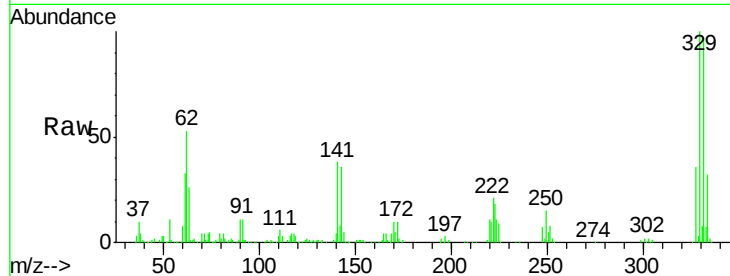




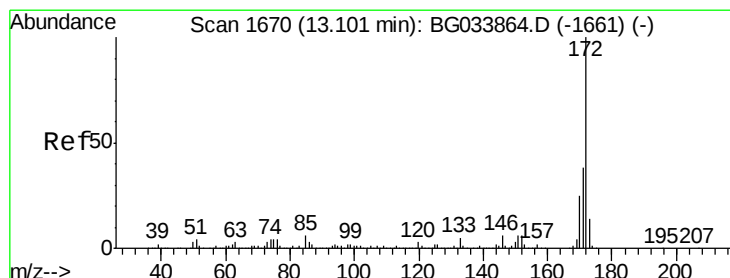
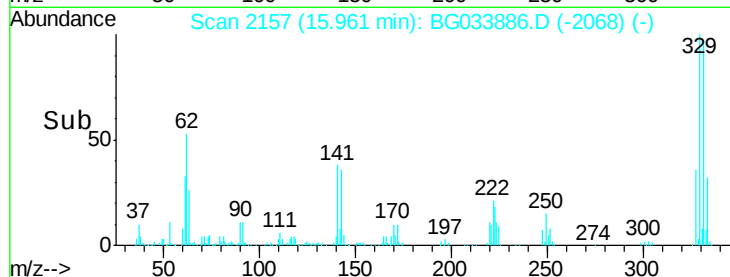
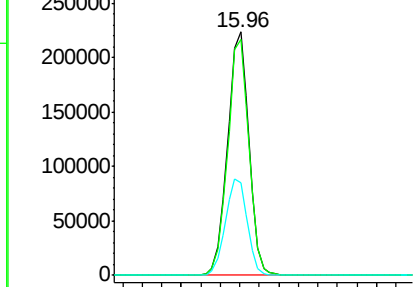
#41
 2,4,6-Tribromophenol
 Concen: 146.781 ng
 RT: 15.96 min Scan# 2157
 Delta R.T. -0.01 min
 Lab File: BG033886.D
 Acq: 20 Apr 2018 15:02

Instrument :
 BNA_G
 ClientSampleId :
 EPE-118-1(5-10)

Tot Ion:330 Resp: 337124
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 40.8 25.2 37.8#

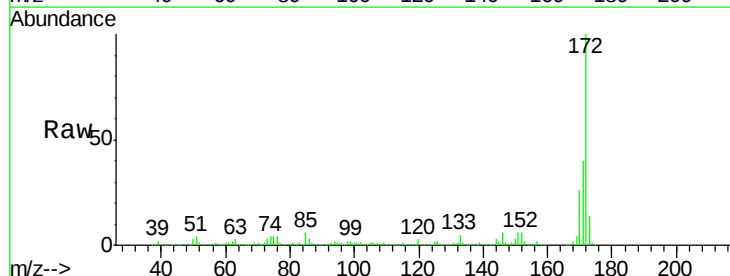


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

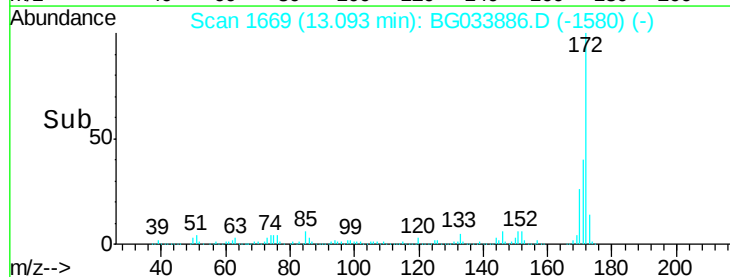
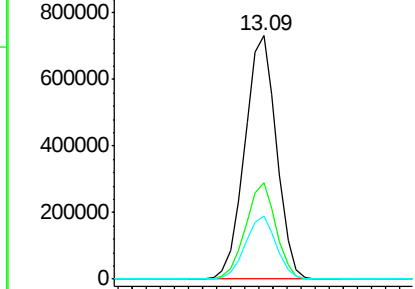


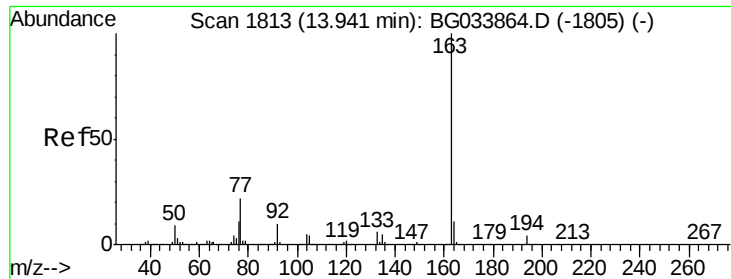
#44
 2-Fluorobiphenyl
 Concen: 85.687 ng
 RT: 13.09 min Scan# 1669
 Delta R.T. -0.01 min
 Lab File: BG033886.D
 Acq: 20 Apr 2018 15:02

Tgt Ion:172 Resp: 1148315
 Ion Ratio Lower Upper
 172 100
 171 39.6 30.0 45.0
 170 25.8 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: 11.131 ng

RT: 13.93 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BG033886.D

Acq: 20 Apr 2018 15:02

Instrument :

BNA_G

ClientSampleId :

EPE-118-1(5-10)

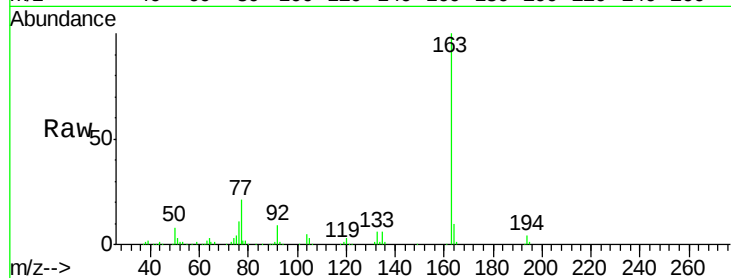
Tot Ion:163 Resp: 192766

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

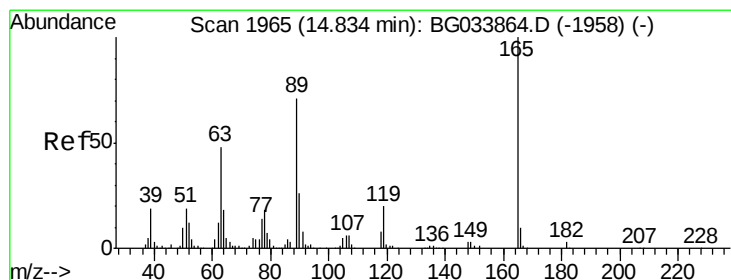
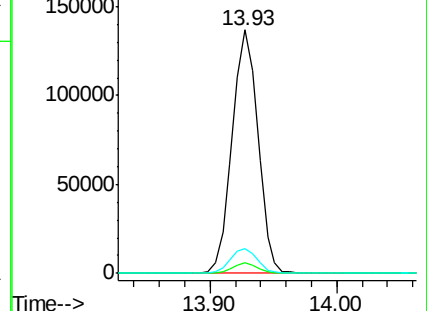
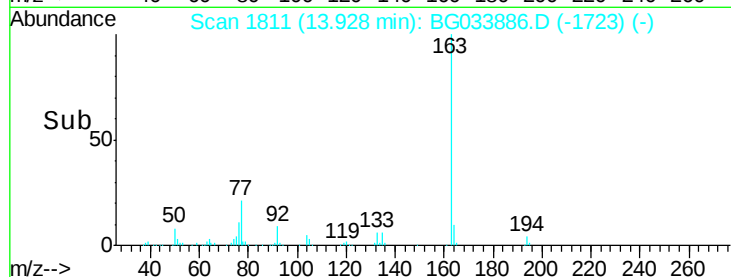
164 10.4 8.2 12.4



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: 6.024 ng

RT: 14.47 min Scan# 1903

Delta R.T. -0.37 min

Lab File: BG033886.D

Acq: 20 Apr 2018 15:02

Tgt Ion:165 Resp: 26289

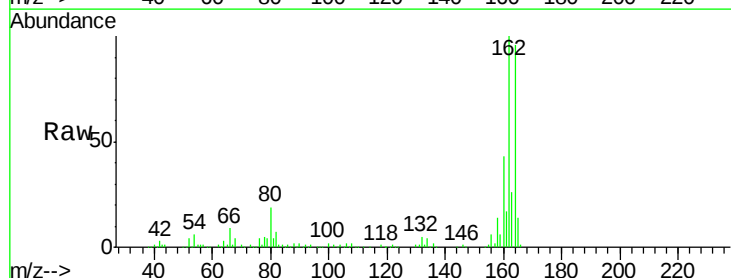
Ion Ratio Lower Upper

165 100

63 1.4 42.0 63.0#

89 1.5 66.9 100.3#

182 0.0 2.6 3.8#

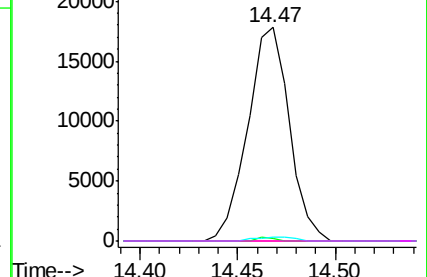
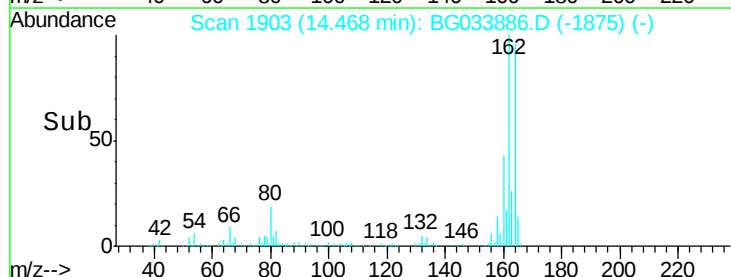


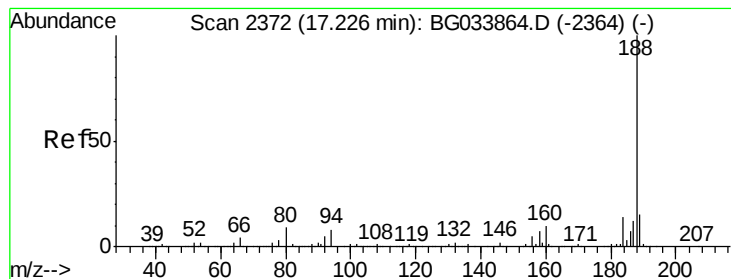
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.22 min Scan# 2371

Delta R.T. -0.01 min

Lab File: BG033886.D

Acq: 20 Apr 2018 15:02

Instrument :

BNA_G

ClientSampleId :

EPE-118-1(5-10)

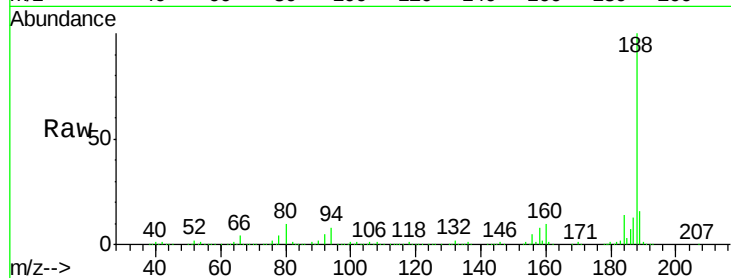
Tot Ion:188 Resp: 481094

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

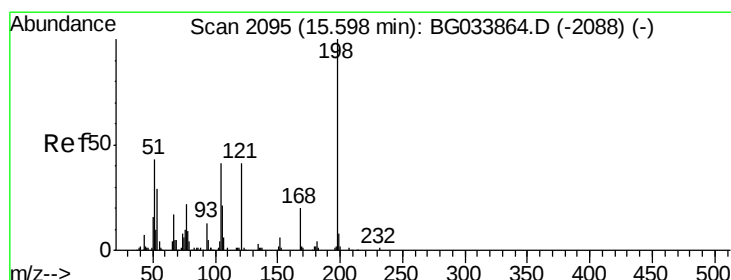
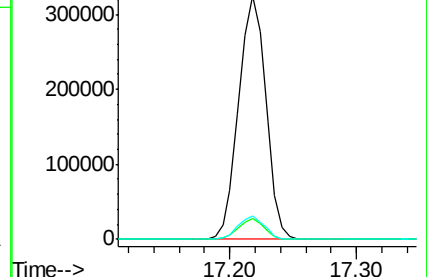
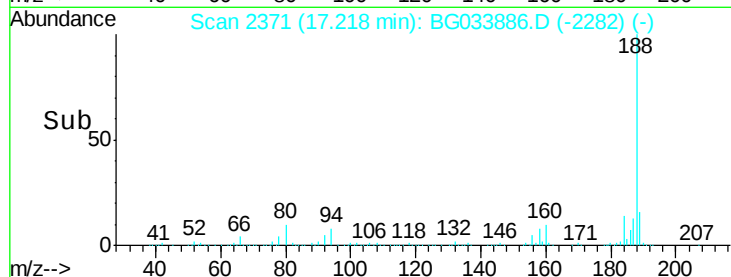
80 9.7 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#64

4,6-Dinitro-2-methylphenol

Concen: 7.150 ng

RT: 15.95 min Scan# 2155

Delta R.T. 0.35 min

Lab File: BG033886.D

Acq: 20 Apr 2018 15:02

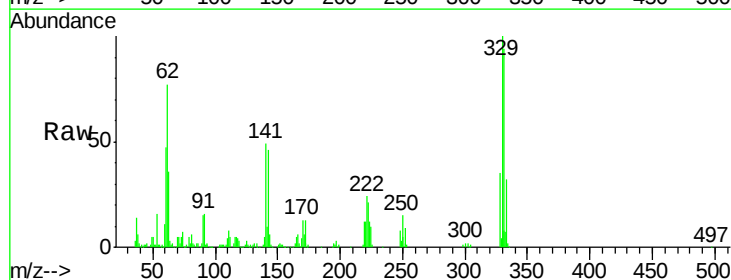
Tgt Ion:198 Resp: 1770

Ion Ratio Lower Upper

198 100

51 51.8 30.6 70.6

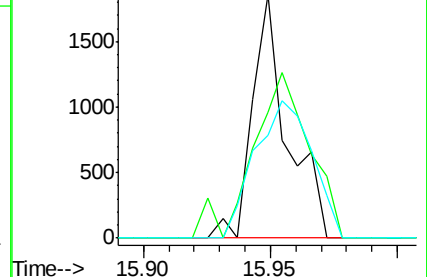
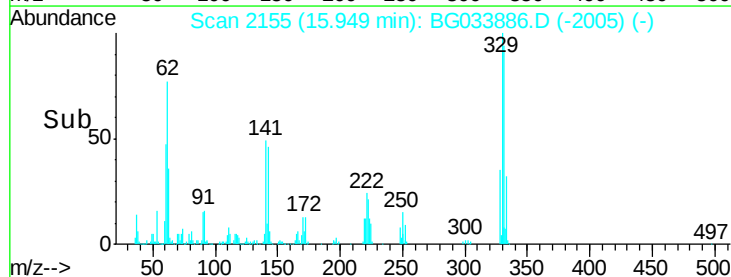
105 42.3 23.8 63.8

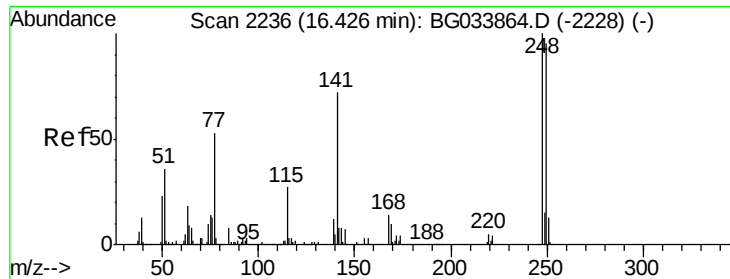


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

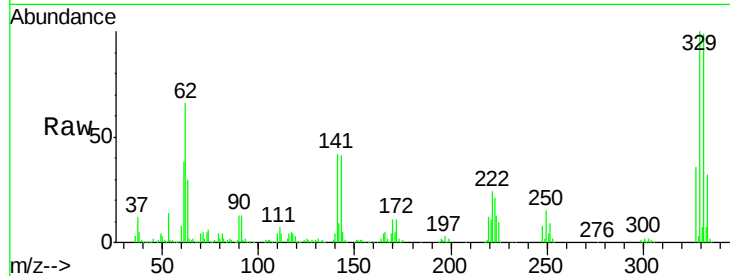




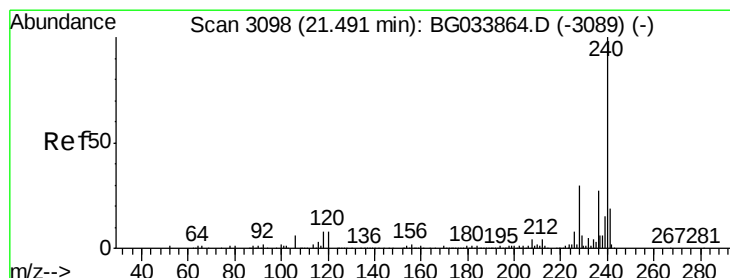
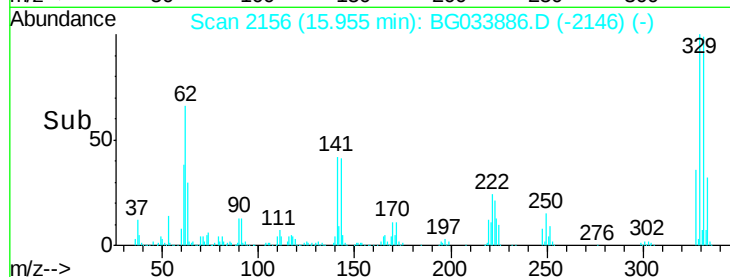
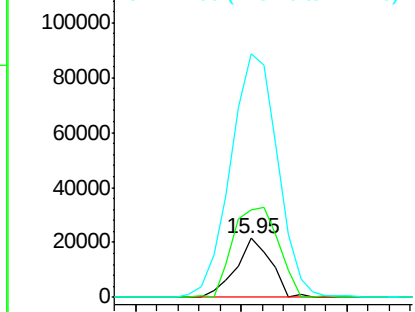
#66
4-Bromophenyl-phenylether
Concen: 4.755 ng
RT: 15.95 min Scan# 2156
Delta R.T. -0.47 min
Lab File: BG033886.D
Acq: 20 Apr 2018 15:02

Instrument :
BNA_G
ClientSampleId :
EPE-118-1(5-10)

Tot Ion:248 Resp: 25123
Ion Ratio Lower Upper
248 100
250 191.2 77.1 115.7#
141 411.3 50.8 76.2#

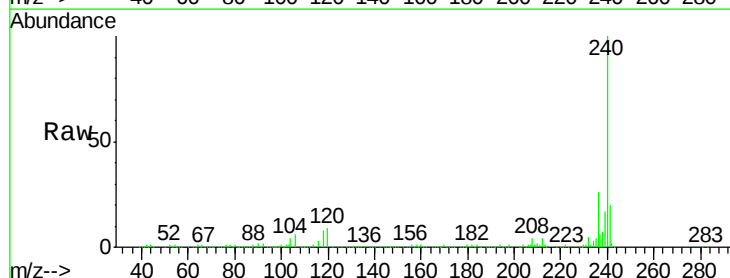


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

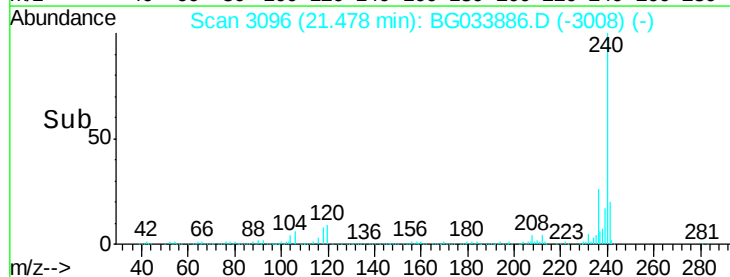
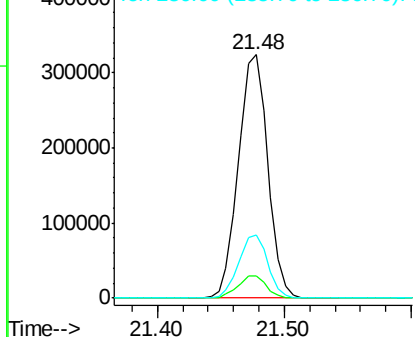


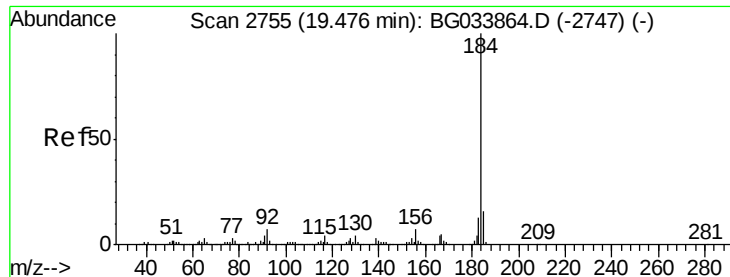
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.48 min Scan# 3096
Delta R.T. -0.01 min
Lab File: BG033886.D
Acq: 20 Apr 2018 15:02

Tgt Ion:240 Resp: 519814
Ion Ratio Lower Upper
240 100
120 9.0 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: 2.052 ng

RT: 19.86 min Scan# 2820

Delta R.T. 0.38 min

Lab File: BG033886.D

Acq: 20 Apr 2018 15:02

Instrument :

BNA_G

ClientSampleId :

EPE-118-1(5-10)

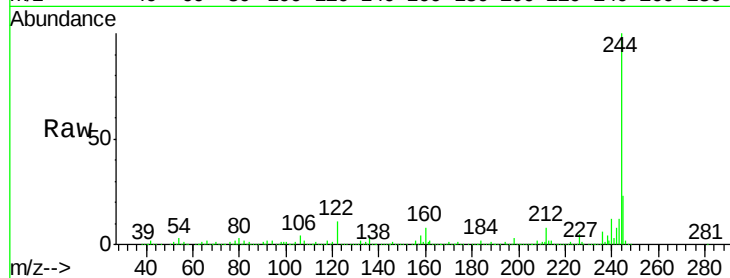
Tot Ion:184 Resp: 28801

Ion Ratio Lower Upper

184 100

185 15.7 11.1 16.7

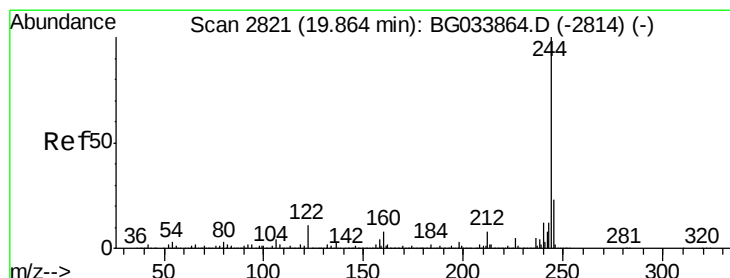
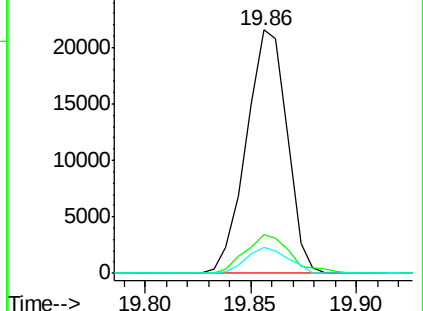
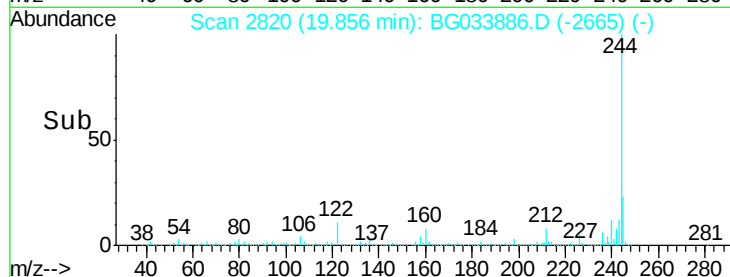
183 10.5 10.6 16.0#



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: 77.735 ng

RT: 19.86 min Scan# 2820

Delta R.T. -0.01 min

Lab File: BG033886.D

Acq: 20 Apr 2018 15:02

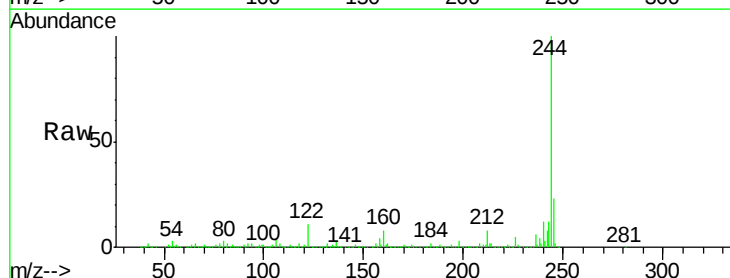
Tgt Ion:244 Resp: 1798610

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

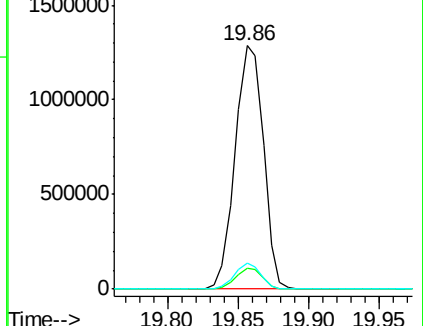
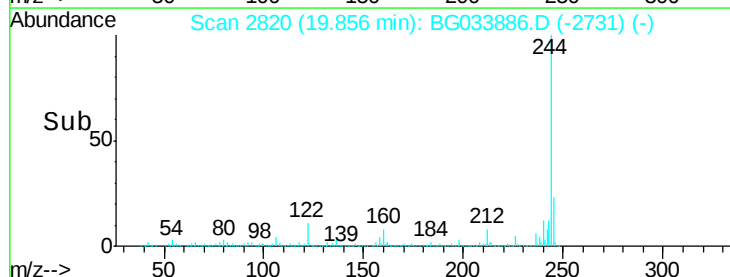
122 10.7 7.0 10.4#

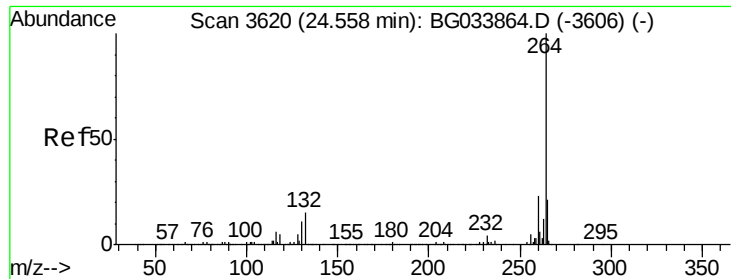


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

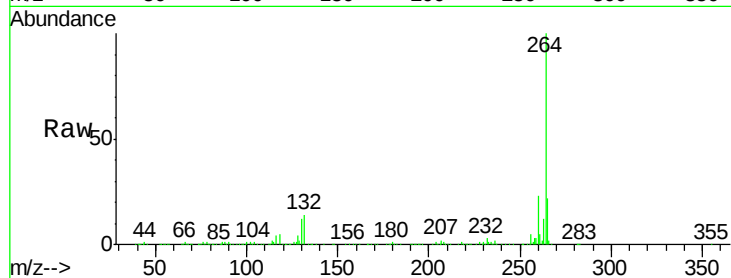




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.54 min Scan# 3617
Delta R.T. -0.02 min
Lab File: BG033886.D
Acq: 20 Apr 2018 15:02

Instrument :
BNA_G
ClientSampleId :
EPE-118-1(5-10)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.4	26.0
265	21.8	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

