

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042018\
 Data File : BG033889.D
 Acq On : 20 Apr 2018 16:58
 Operator : SJ/JU
 Sample : J2480-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EPE-118-1(10-12)

Quant Time: Apr 21 05:15:02 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

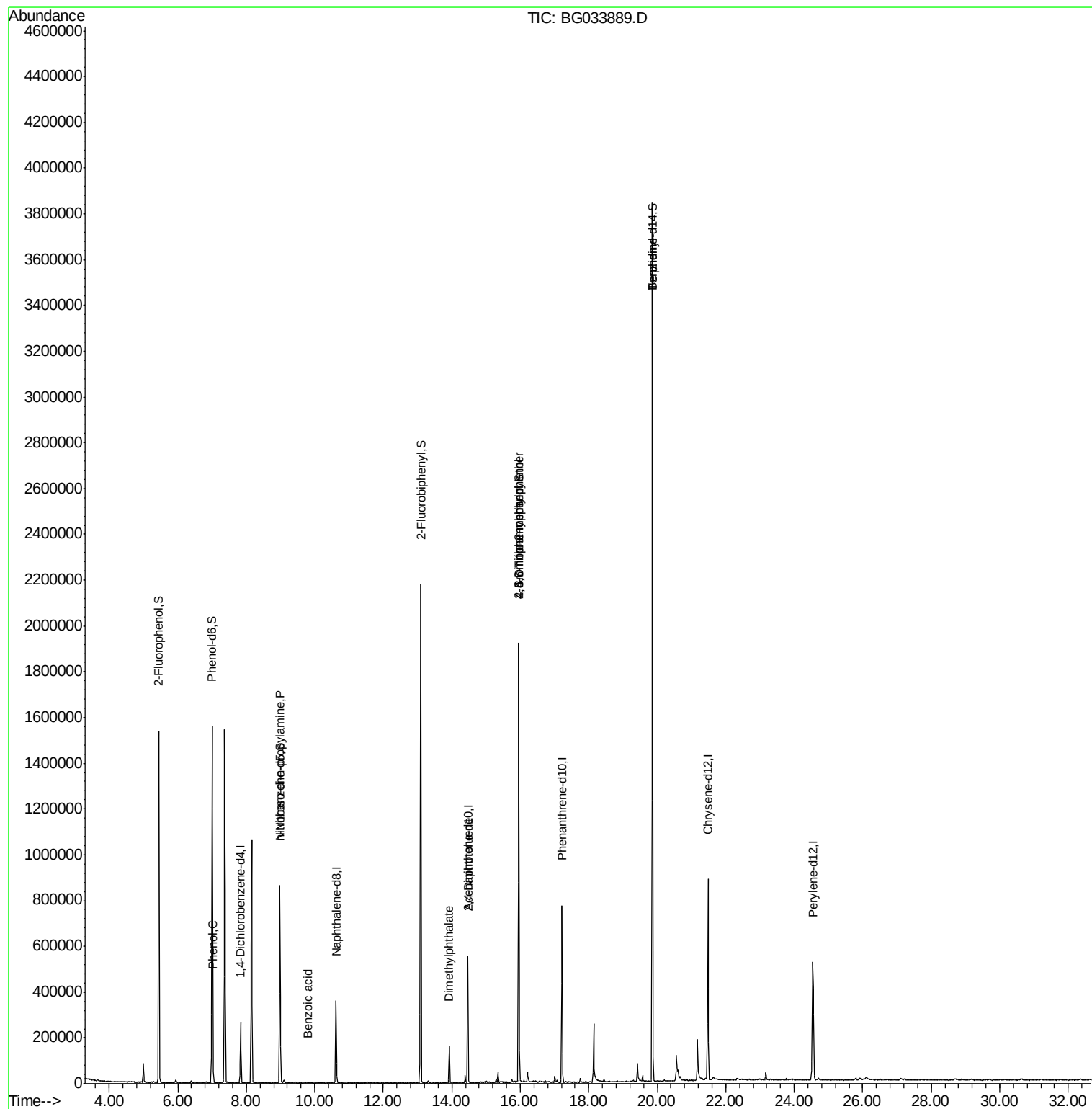
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	72692	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	304504	20.00	ng	0.00
38) Acenaphthene-d10	14.47	164	191252	20.00	ng	0.00
63) Phenanthrene-d10	17.22	188	467433	20.00	ng	0.00
75) Chrysene-d12	21.48	240	498803	20.00	ng	-0.01
86) Perylene-d12	24.55	264	506200	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	650687	142.91	ng	0.00
7) Phenol-d6	7.01	99	857254	129.09	ng	0.00
23) Nitrobenzene-d5	8.98	82	517288	96.68	ng	0.00
41) 2,4,6-Tribromophenol	15.96	330	340145	152.45	ng	-0.01
44) 2-Fluorobiphenyl	13.09	172	1163089	89.34	ng	0.00
78) Terphenyl-d14	19.86	244	1768230	79.64	ng	0.00
Target Compounds						
9) Benzaldehyde	7.01	77	1739	Below Cal		Qvalue
10) Phenol	7.03	94	17027	2.503 ng	#	5
19) n-Nitroso-di-n-propylamine	8.99	70	71979	12.715 ng	#	99
32) Benzoic acid	9.79	122	54	5.095 ng	#	79
49) Dimethylphthalate	13.93	163	104604	6.218 ng		1
56) 2,4-Dinitrotoluene	14.47	165	24978	5.892 ng	#	100
64) 4,6-Dinitro-2-methylphenol	15.96	198	3963	8.012 ng	#	18
66) 4-Bromophenyl-phenylether	15.96	248	24342	4.742 ng	#	76
76) Benzidine	19.86	184	27748	2.060 ng	#	1
					#	86

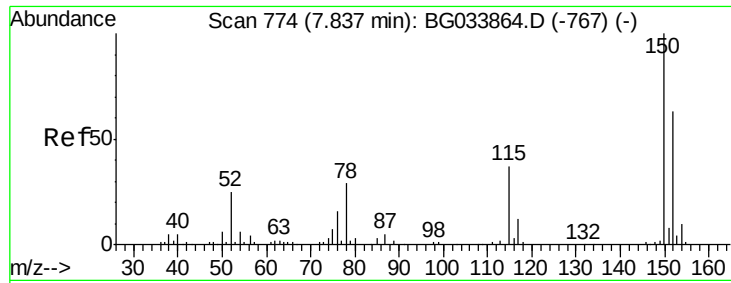
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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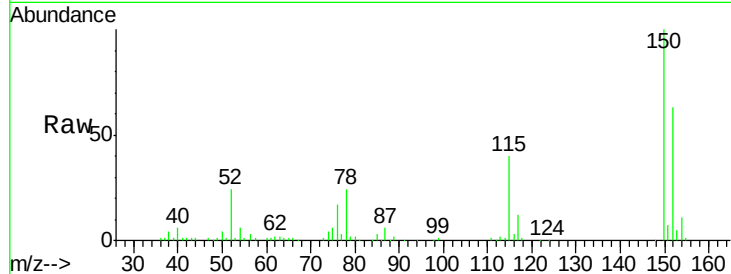


#1

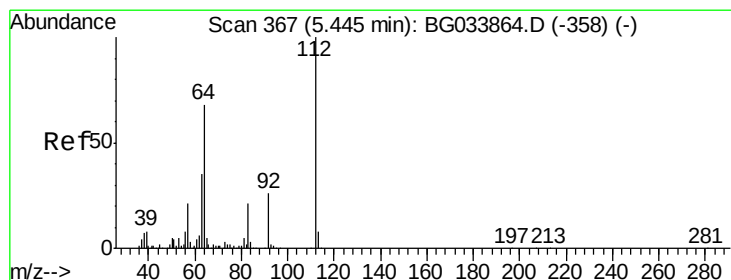
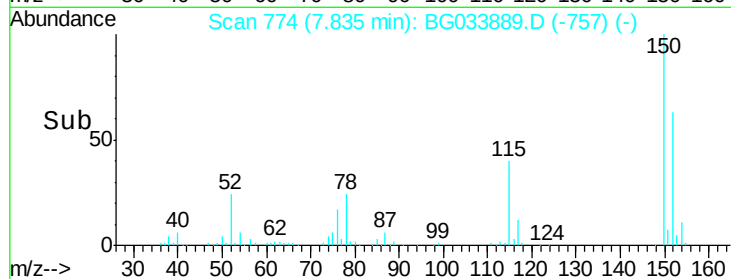
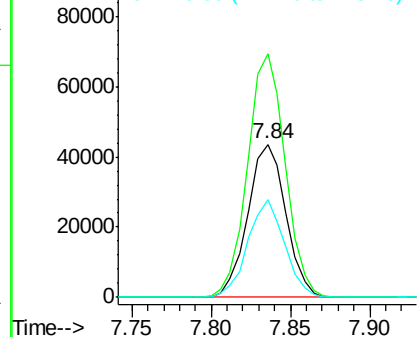
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.84 min Scan# 774
Delta R.T. -0.00 min
Lab File: BG033889.D
Acq: 20 Apr 2018 16:58

Instrument :
BNA_G
ClientSampleId :
EPE-118-1(10-12)

Tot Ion:152 Resp: 72692
Ion Ratio Lower Upper
152 100
150 159.3 126.6 189.8
115 63.9 53.0 79.4



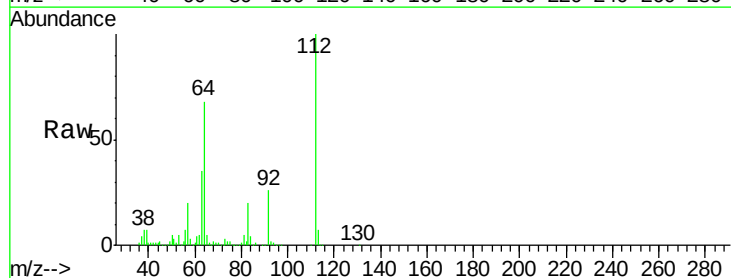
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



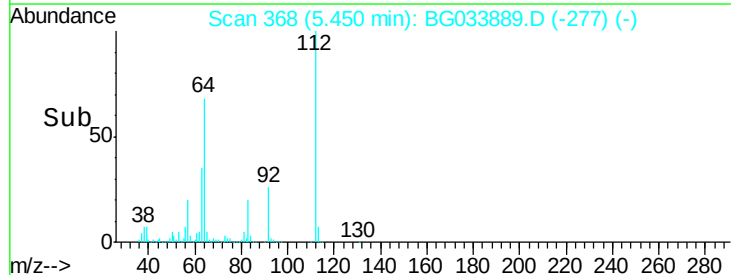
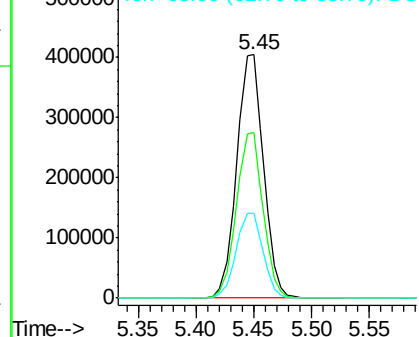
#5

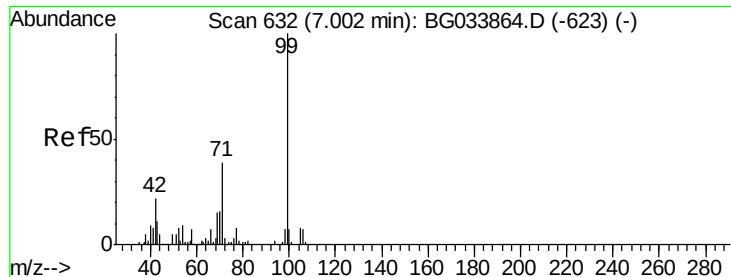
2-Fluorophenol
Concen: 142.910 ng
RT: 5.45 min Scan# 368
Delta R.T. 0.00 min
Lab File: BG033889.D
Acq: 20 Apr 2018 16:58

Tgt Ion:112 Resp: 650687
Ion Ratio Lower Upper
112 100
64 68.1 56.3 84.5
63 34.8 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: 129.085 ng

RT: 7.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: BG033889.D

Acq: 20 Apr 2018 16:58

Instrument :

BNA_G

ClientSampleId :

EPE-118-1(10-12)

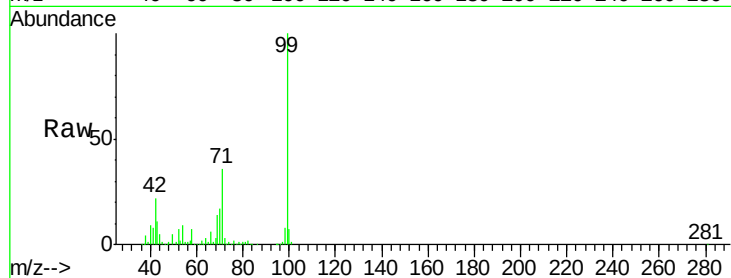
Tot Ion: 99 Resp: 857254

Ion Ratio Lower Upper

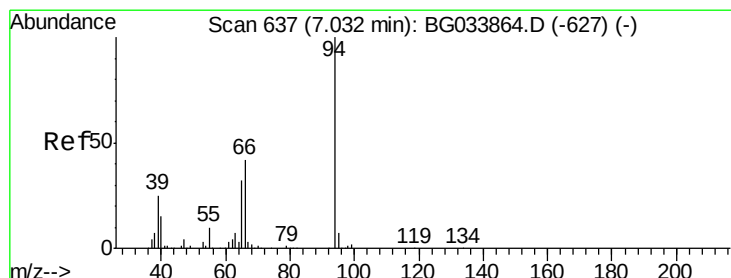
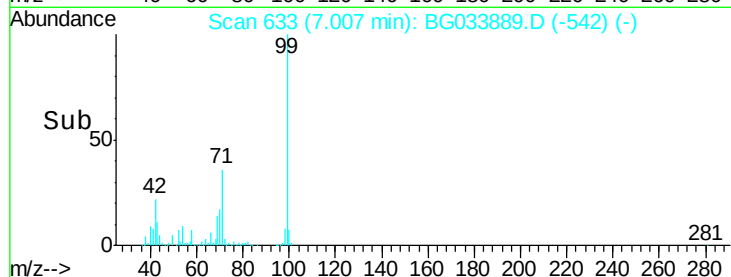
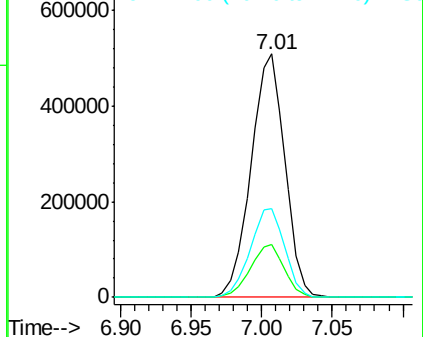
99 100

42 21.6 14.1 21.1#

71 36.3 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 2.503 ng

RT: 7.03 min Scan# 637

Delta R.T. -0.00 min

Lab File: BG033889.D

Acq: 20 Apr 2018 16:58

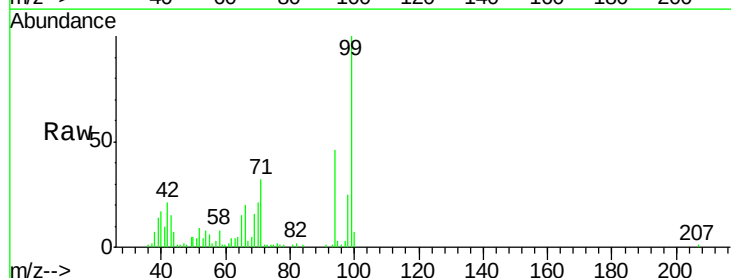
Tgt Ion: 94 Resp: 17027

Ion Ratio Lower Upper

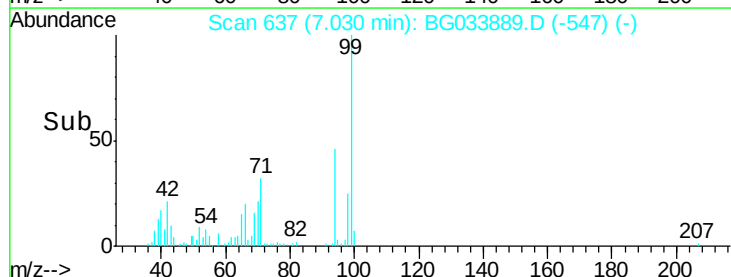
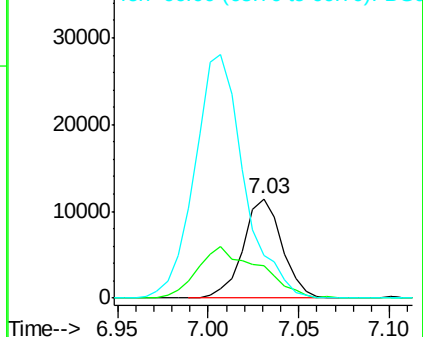
94 100

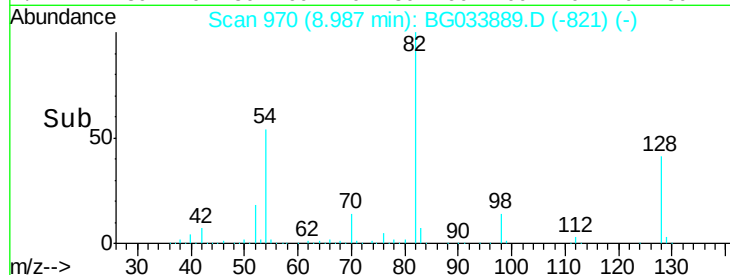
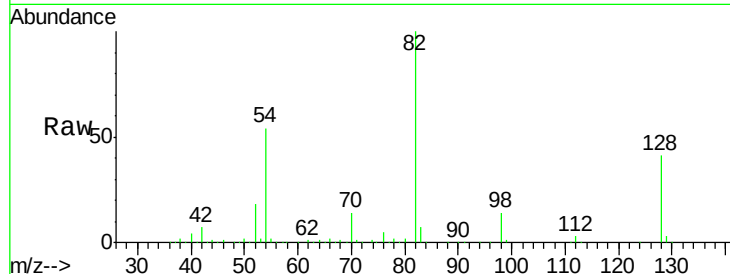
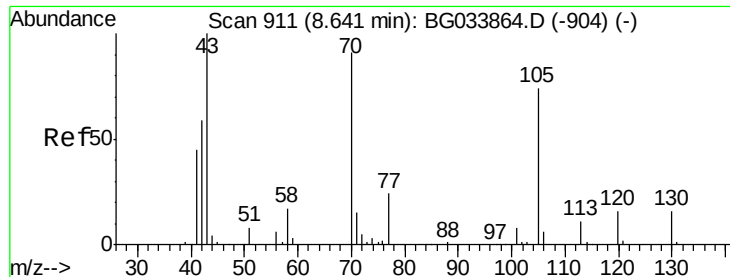
65 32.2 11.9 51.9

66 43.1 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

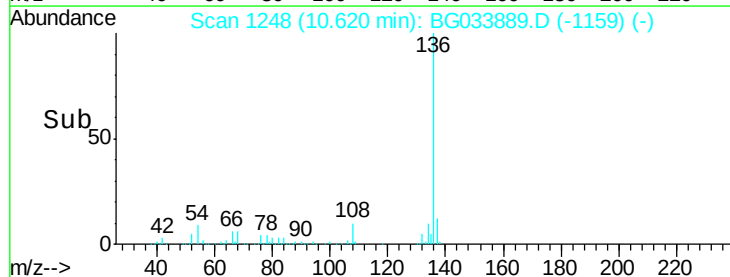
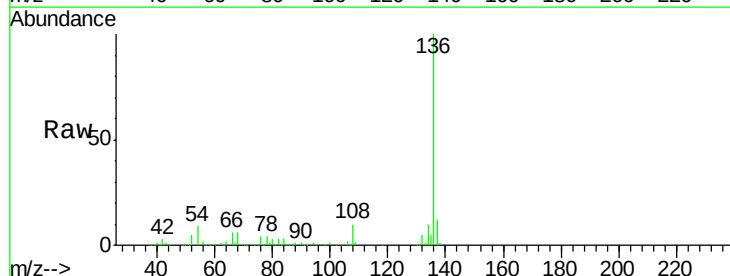
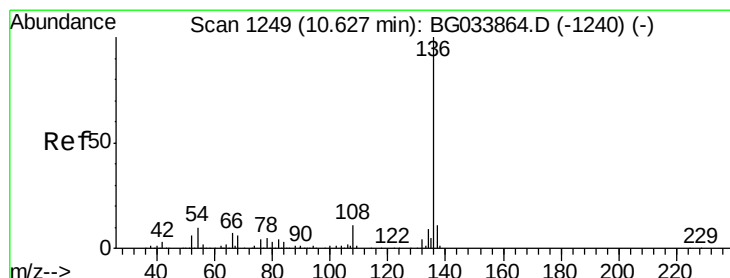
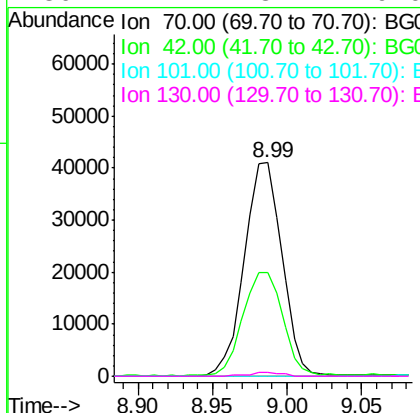




#19
n-Nitroso-di-n-propylamine
Concen: 12.715 ng
RT: 8.99 min Scan# 970
Delta R.T. 0.35 min
Lab File: BG033889.D
Acq: 20 Apr 2018 16:58

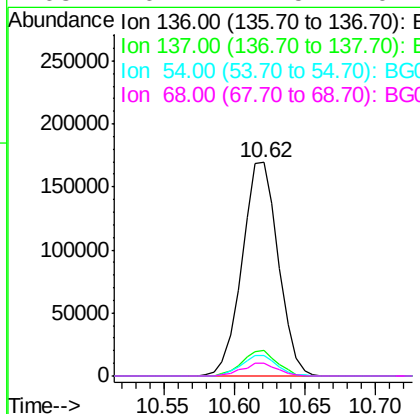
Instrument :
BNA_G
ClientSampleId :
EPE-118-1(10-12)

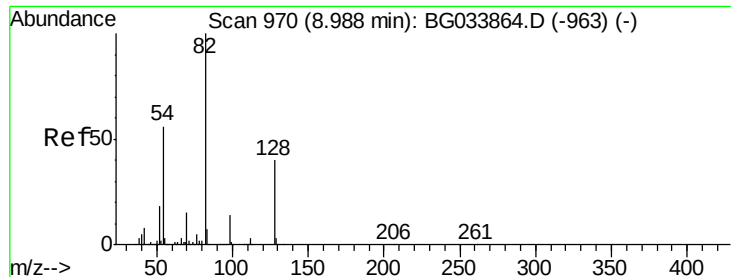
Tot Ion: 70 Resp: 71979
Ion Ratio Lower Upper
70 100
42 48.5 49.1 73.7#
101 0.0 8.5 12.7#
130 2.1 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.62 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BG033889.D
Acq: 20 Apr 2018 16:58

Tgt Ion: 136 Resp: 304504
Ion Ratio Lower Upper
136 100
137 11.8 9.2 13.8
54 9.3 10.3 15.5#
68 6.1 4.5 6.7





#23

Nitrobenzene-d5

Concen: 96.677 ng

RT: 8.98 min Scan# 969

Delta R.T. -0.01 min

Lab File: BG033889.D

Acq: 20 Apr 2018 16:58

Instrument :

BNA_G

ClientSampleId :

EPE-118-1(10-12)

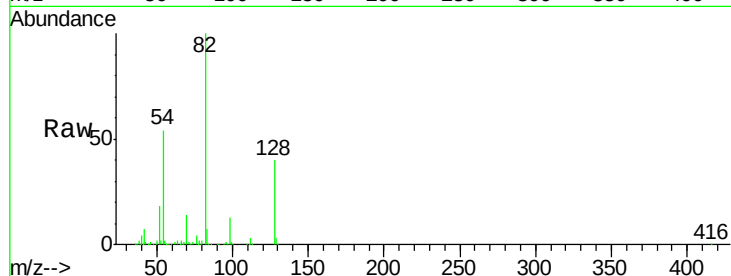
Tot Ion: 82 Resp: 517288

Ion Ratio Lower Upper

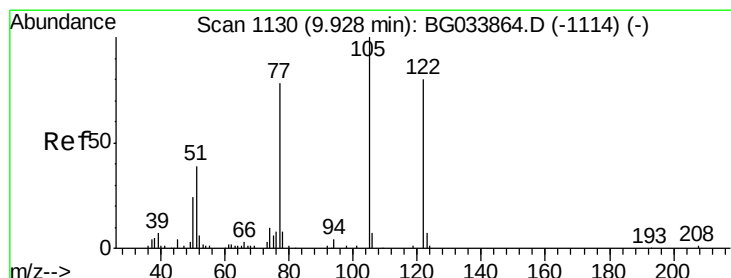
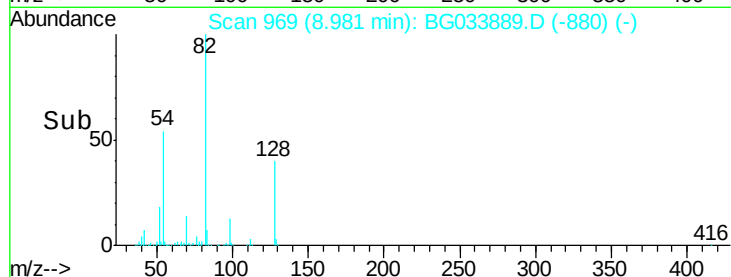
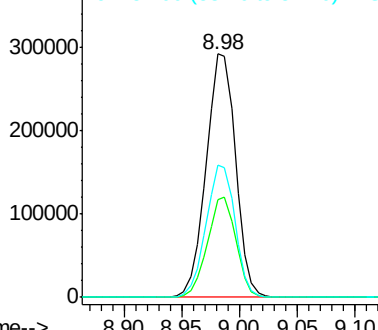
82 100

128 40.0 29.7 44.5

54 54.4 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



#32

Benzoic acid

Concen: 5.095 ng

RT: 9.79 min Scan# 1106

Delta R.T. -0.14 min

Lab File: BG033889.D

Acq: 20 Apr 2018 16:58

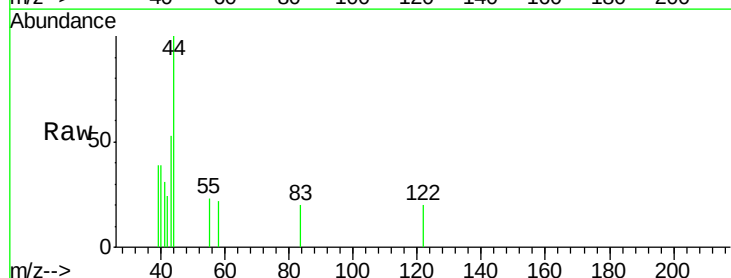
Tgt Ion: 122 Resp: 54

Ion Ratio Lower Upper

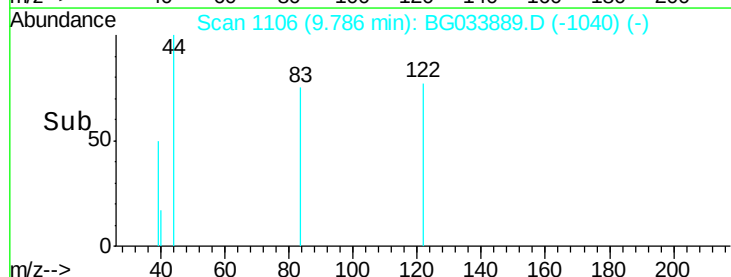
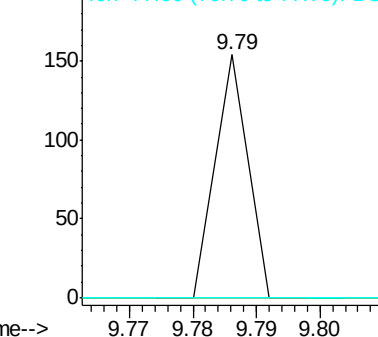
122 100

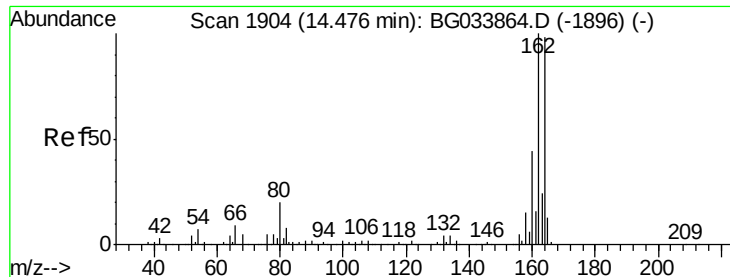
105 0.0 123.5 163.5#

77 0.0 85.7 125.7#



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.47 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BG033889.D

Acq: 20 Apr 2018 16:58

Instrument :

BNA_G

ClientSampleId :

EPE-118-1(10-12)

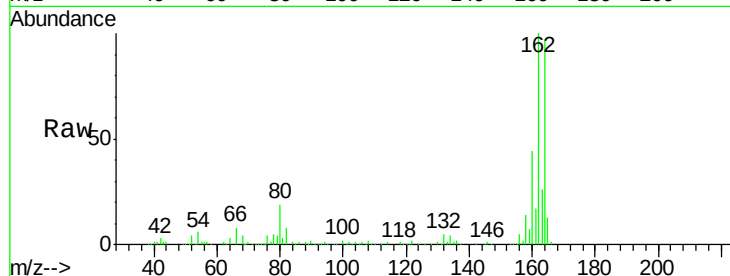
Tot Ion:164 Resp: 191252

Ion Ratio Lower Upper

164 100

162 103.1 78.8 118.2

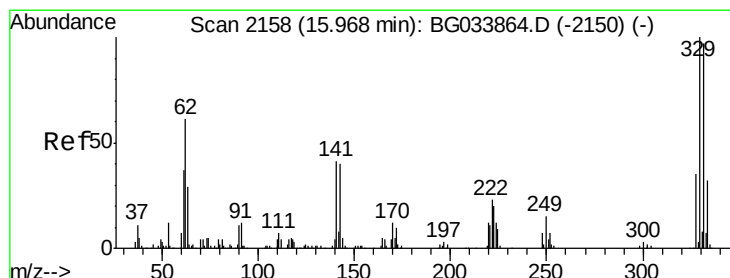
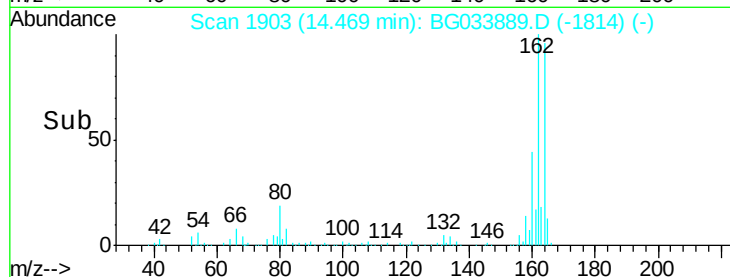
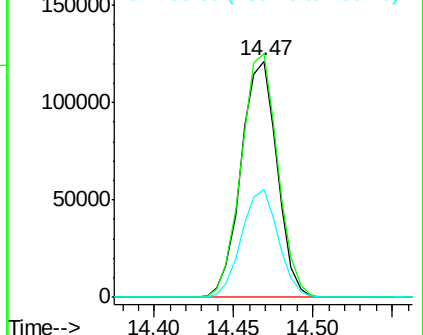
160 45.6 35.4 53.0



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: 152.445 ng

RT: 15.96 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BG033889.D

Acq: 20 Apr 2018 16:58

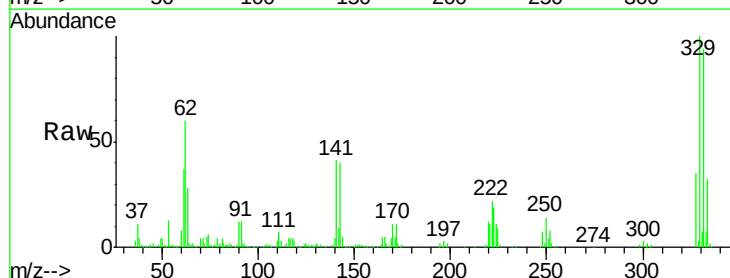
Tgt Ion:330 Resp: 340145

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

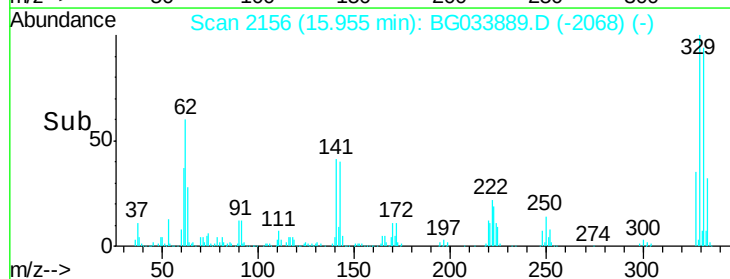
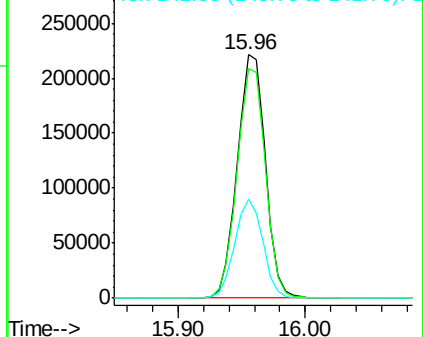
141 40.3 25.2 37.8#

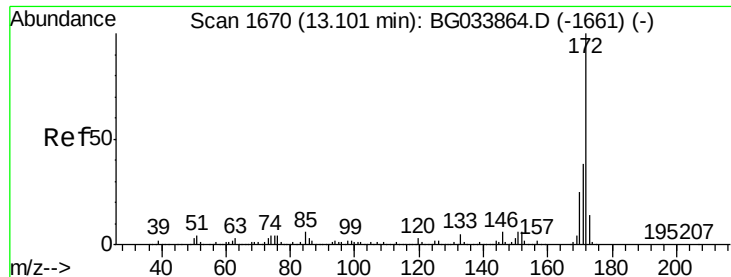


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

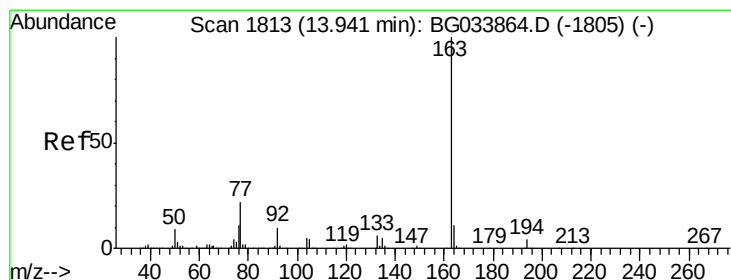
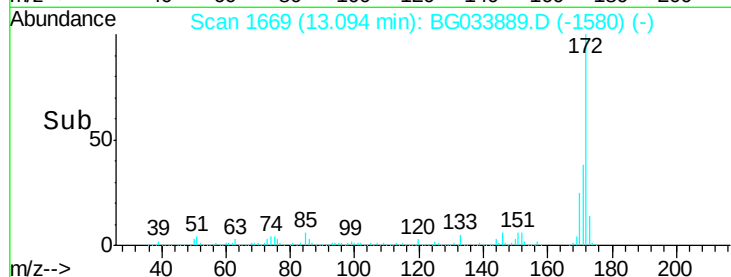
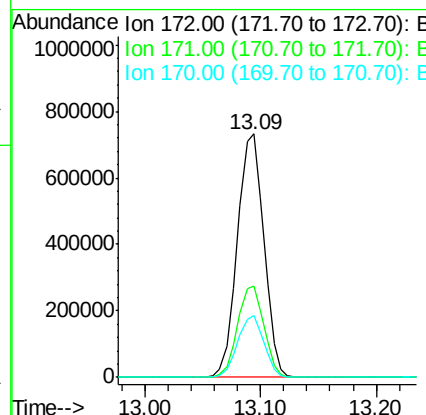
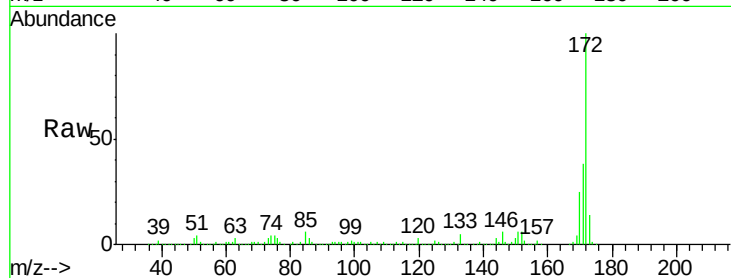




#44
2-Fluorobiphenyl
Concen: 89.338 ng
RT: 13.09 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BG033889.D
Acq: 20 Apr 2018 16:58

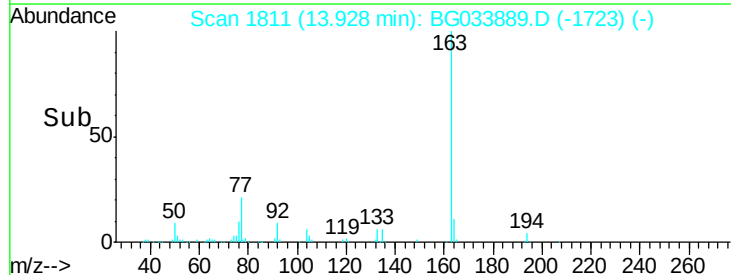
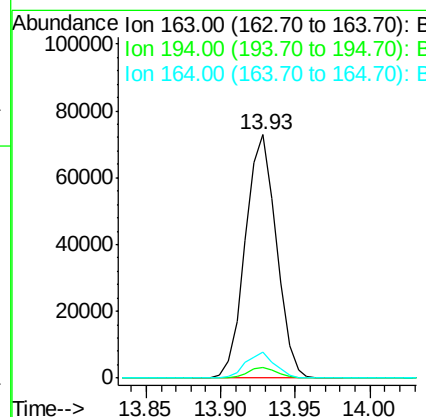
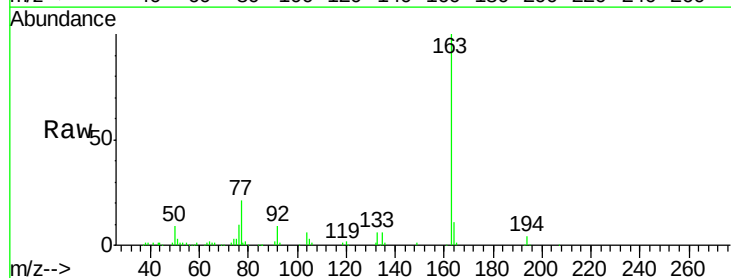
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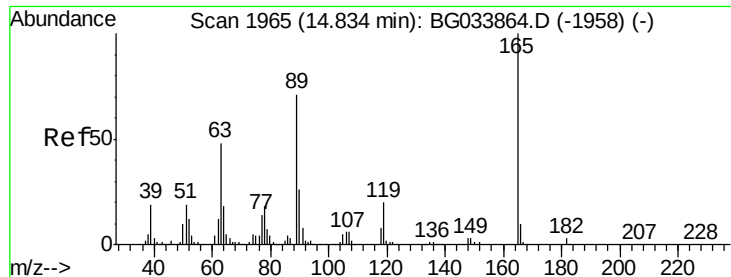
Tot Ion:172 Resp: 1163089
Ion Ratio Lower Upper
172 100
171 37.7 30.0 45.0
170 25.2 19.5 29.3



#49
Dimethylphthalate
Concen: 6.218 ng
RT: 13.93 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BG033889.D
Acq: 20 Apr 2018 16:58

Tgt Ion:163 Resp: 104604
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.5 8.2 12.4

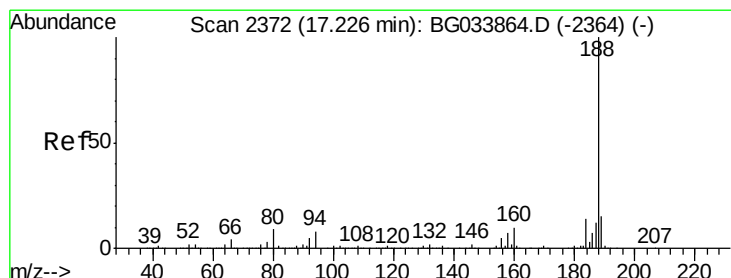
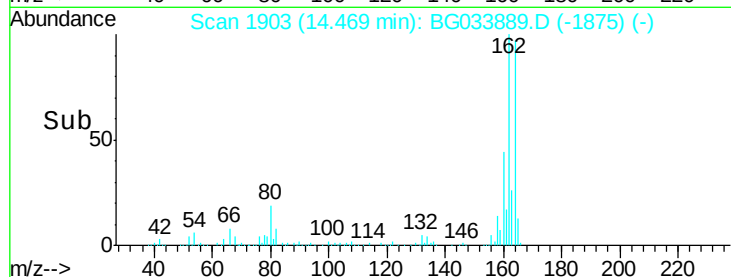
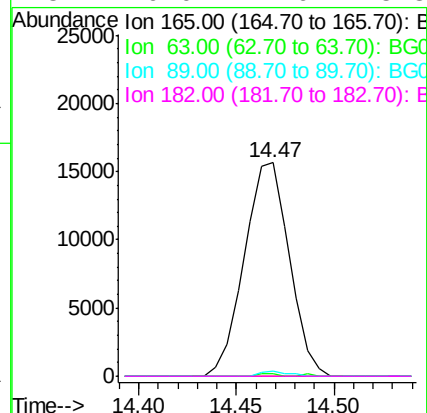
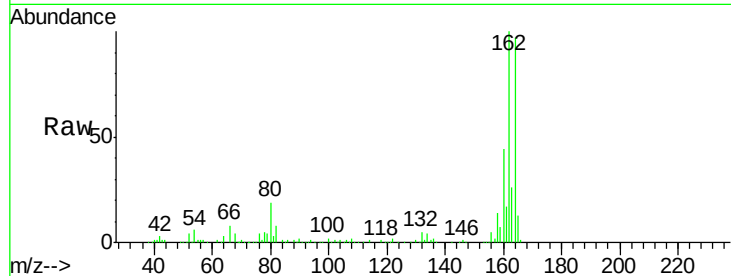




#56
 2,4-Dinitrotoluene
 Concen: 5.892 ng
 RT: 14.47 min Scan# 1903
 Delta R.T. -0.37 min
 Lab File: BG033889.D
 Acq: 20 Apr 2018 16:58

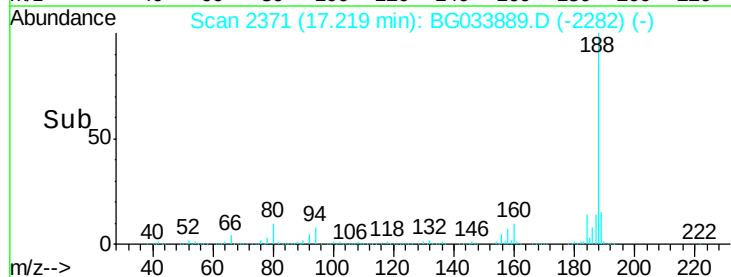
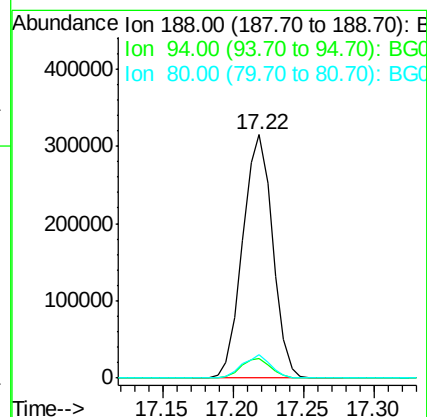
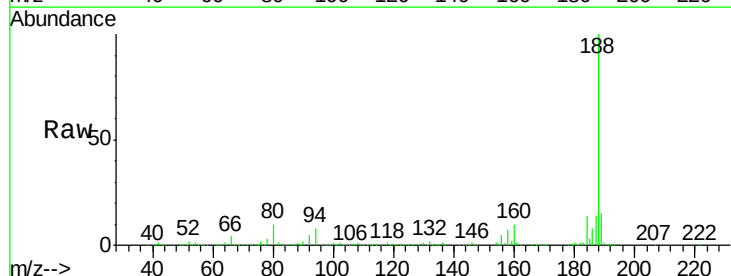
Instrument :
 BNA_G
 ClientSampleId :
 EPE-118-1(10-12)

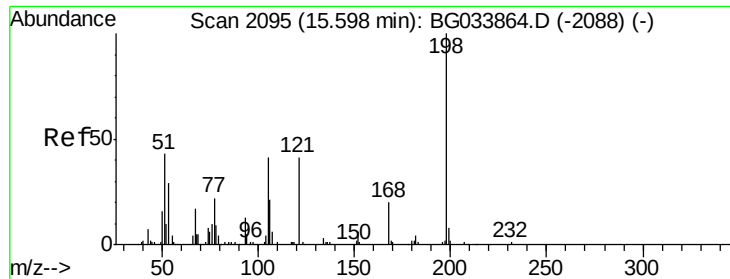
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.0	63.0#
89	2.1	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.22 min Scan# 2371
 Delta R.T. -0.01 min
 Lab File: BG033889.D
 Acq: 20 Apr 2018 16:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.9	10.3
80	9.5	7.7	11.5

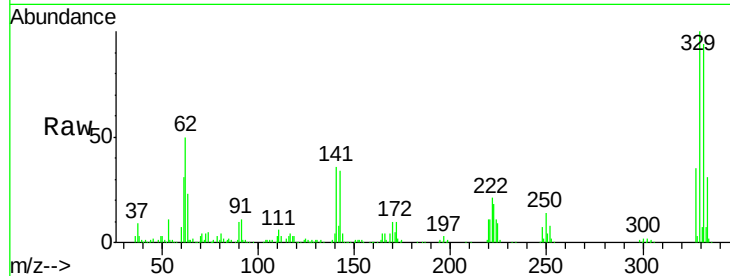




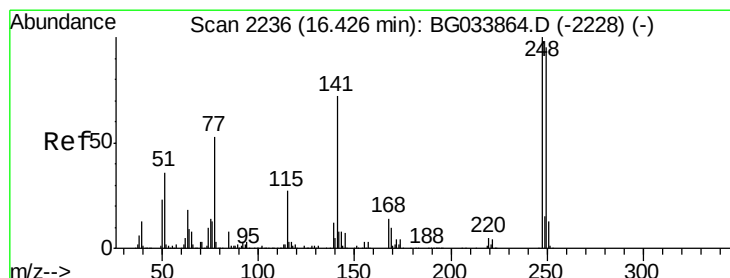
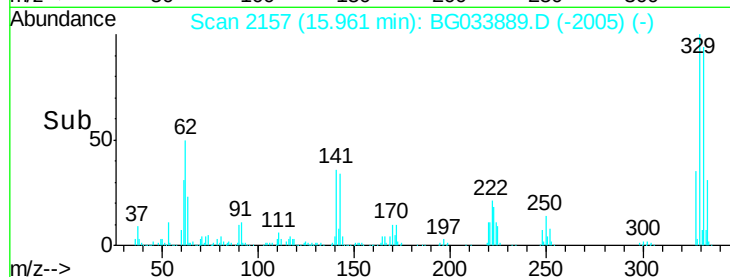
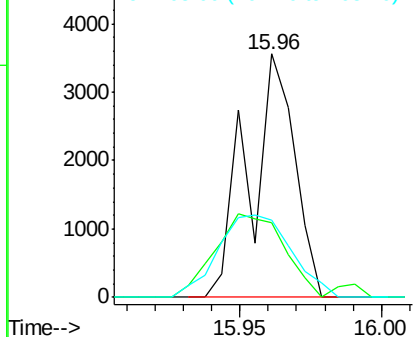
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.012 ng
 RT: 15.96 min Scan# 2157
 Delta R.T. 0.36 min
 Lab File: BG033889.D
 Acq: 20 Apr 2018 16:58

Instrument :
 BNA_G
 ClientSampleId :
 EPE-118-1(10-12)

Tot Ion:198 Resp: 3963
 Ion Ratio Lower Upper
 198 100
 51 30.5 30.6 70.6#
 105 31.6 23.8 63.8

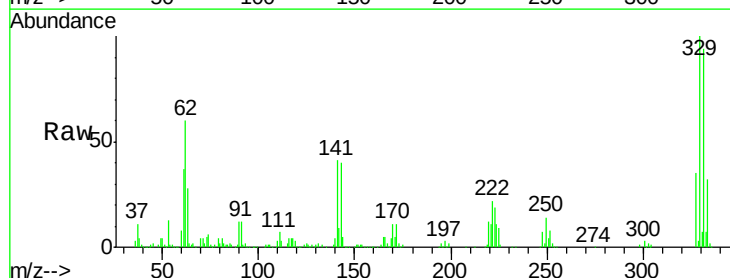


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

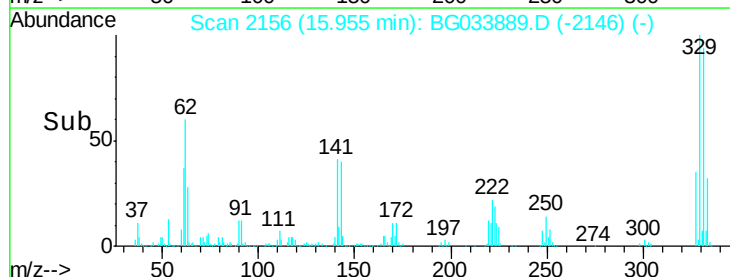
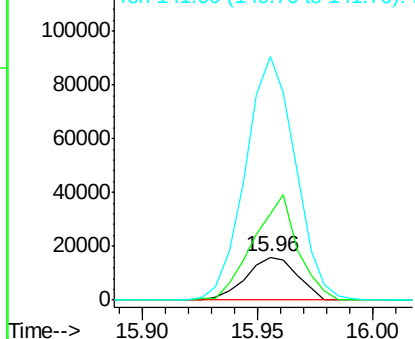


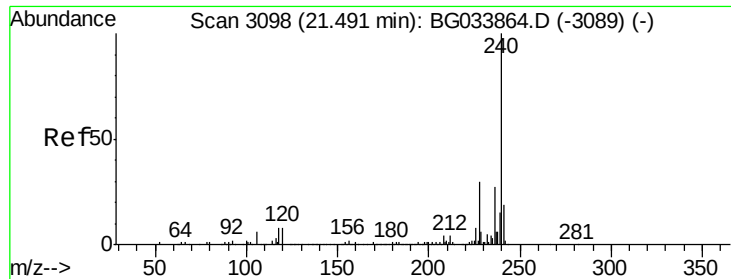
#66
 4-Bromophenyl-phenylether
 Concen: 4.742 ng
 RT: 15.96 min Scan# 2156
 Delta R.T. -0.47 min
 Lab File: BG033889.D
 Acq: 20 Apr 2018 16:58

Tgt Ion:248 Resp: 24342
 Ion Ratio Lower Upper
 248 100
 250 198.2 77.1 115.7#
 141 430.0 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: BG033889.D

Acq: 20 Apr 2018 16:58

Instrument :

BNA_G

ClientSampleId :

EPE-118-1(10-12)

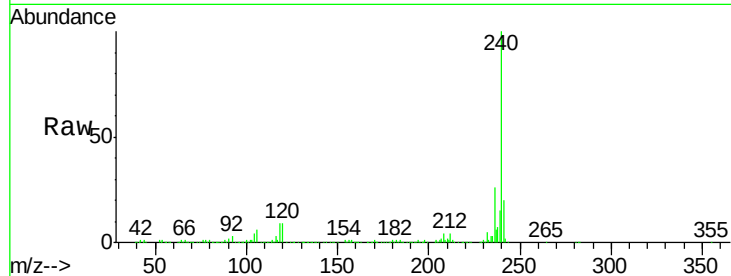
Tot Ion:240 Resp: 498803

Ion Ratio Lower Upper

240 100

120 8.6 6.8 10.2

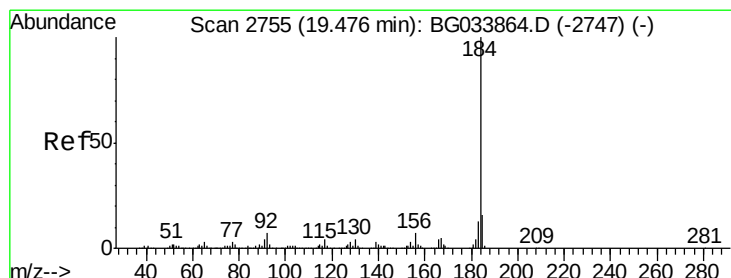
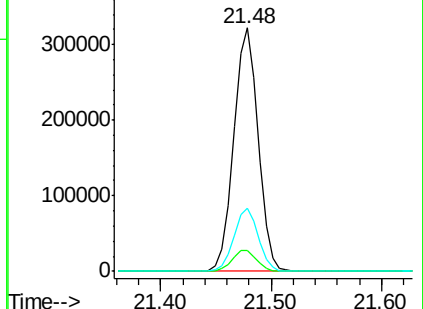
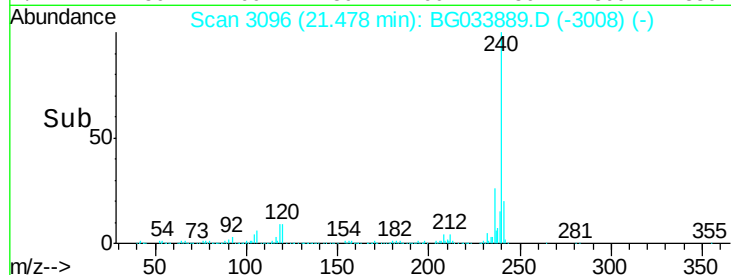
236 25.7 20.9 31.3



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: 2.060 ng

RT: 19.86 min Scan# 2820

Delta R.T. 0.38 min

Lab File: BG033889.D

Acq: 20 Apr 2018 16:58

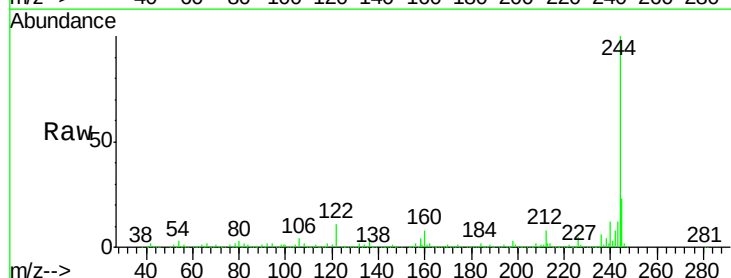
Tgt Ion:184 Resp: 27748

Ion Ratio Lower Upper

184 100

185 20.1 11.1 16.7#

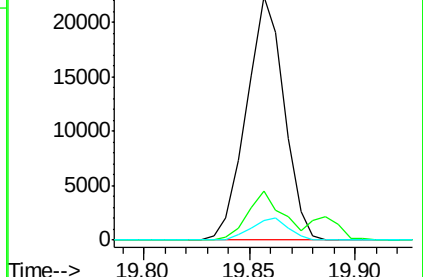
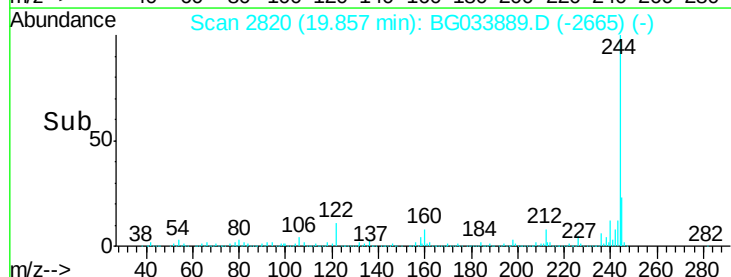
183 8.0 10.6 16.0#

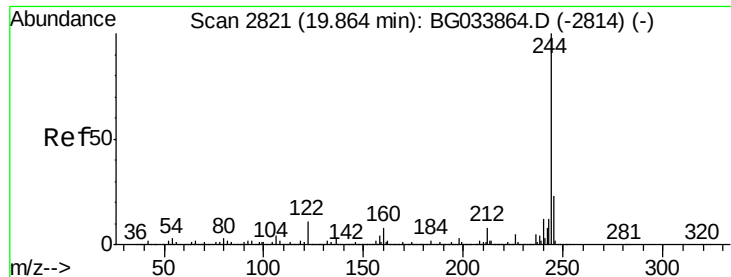


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 79.641 ng

RT: 19.86 min Scan# 2820

Delta R.T. -0.01 min

Lab File: BG033889.D

Acq: 20 Apr 2018 16:58

Instrument :

BNA_G

ClientSampleId :

EPE-118-1(10-12)

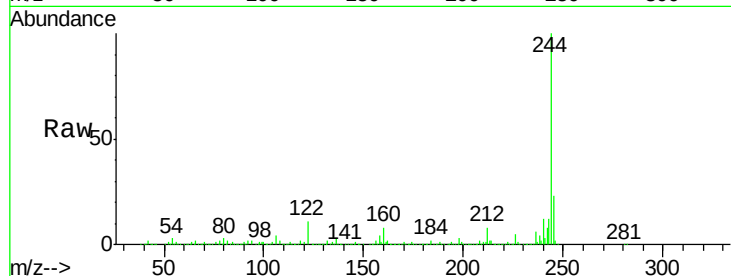
Tot Ion:244 Resp: 1768230

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

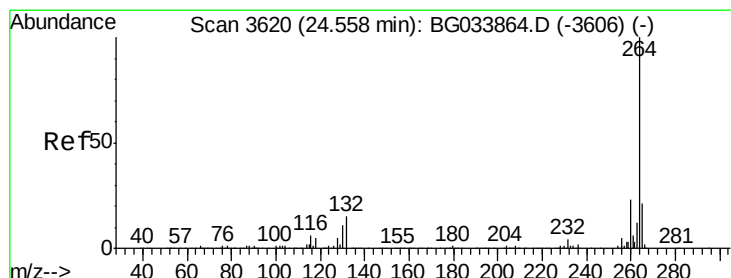
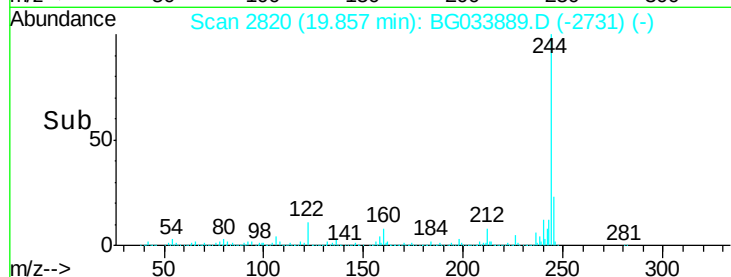
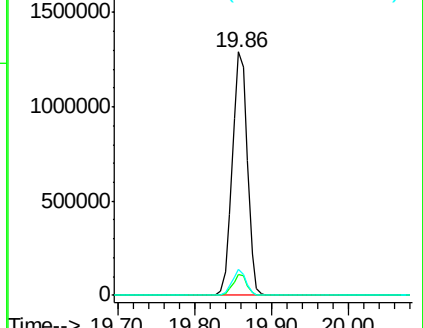
122 10.7 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.55 min Scan# 3618

Delta R.T. -0.01 min

Lab File: BG033889.D

Acq: 20 Apr 2018 16:58

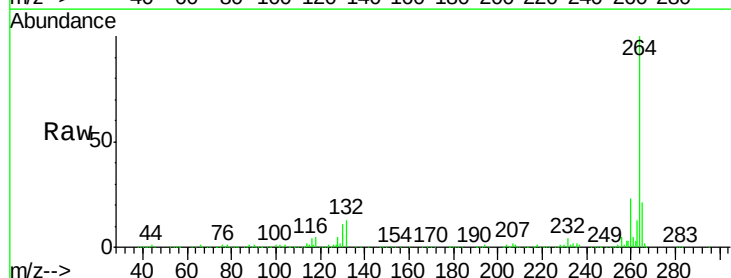
Tgt Ion:264 Resp: 506200

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 21.1 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

