

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122217\
 Data File : BG031718.D
 Acq On : 22 Dec 2017 19:25
 Operator : SJ/JU
 Sample : I7002-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EPE-106-3DS(65-67)

Quant Time: Dec 23 01:09:57 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

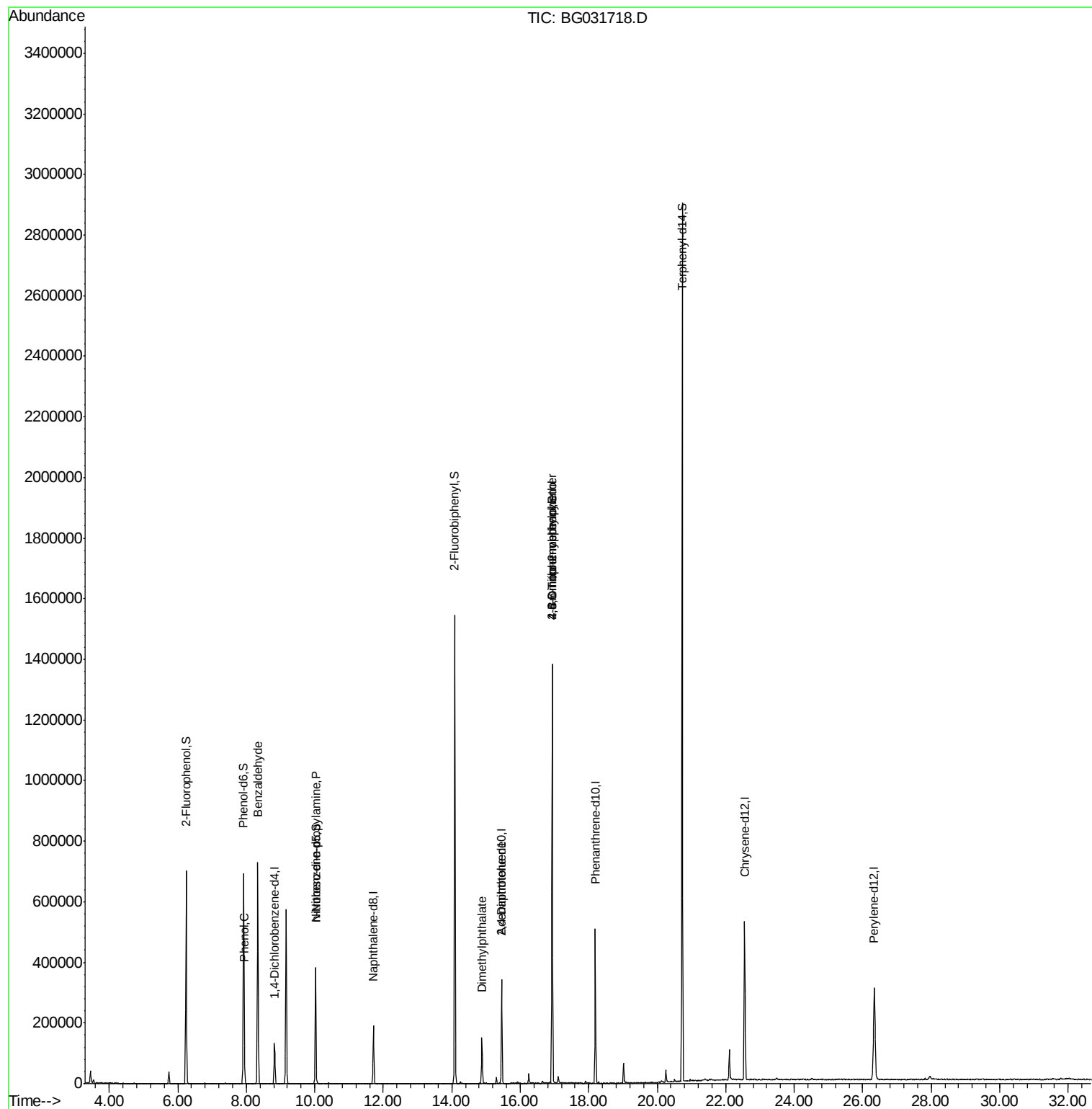
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.82	152	46667	20.00	ng	-0.02
21) Naphthalene-d8	11.71	136	192080	20.00	ng	-0.01
38) Acenaphthene-d10	15.46	164	136590	20.00	ng	-0.01
63) Phenanthrene-d10	18.19	188	352700	20.00	ng	-0.01
75) Chrysene-d12	22.55	240	414875	20.00	ng	-0.02
86) Perylene-d12	26.34	264	437546	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	384921	150.23	ng	0.00
7) Phenol-d6	7.92	99	493945	148.49	ng	0.00
23) Nitrobenzene-d5	10.03	82	254153	99.91	ng	-0.01
41) 2,4,6-Tribromophenol	16.94	330	337032	161.71	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	922654	84.78	ng	-0.01
78) Terphenyl-d14	20.73	244	1623843	89.42	ng	-0.01
Target Compounds						
9) Benzaldehyde	8.33	77	8729	4.358	ng	98
10) Phenol	7.95	94	15994	4.762	ng	88
19) n-Nitroso-di-n-propylamine	10.03	70	33366	14.687	ng	# 65
49) Dimethylphthalate	14.88	163	120806	10.040	ng	99
56) 2,4-Dinitrotoluene	15.46	165	16918	5.944	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.93	198	575	8.583	ng	# 1
66) 4-Bromophenyl-phenylether	16.94	248	26793	5.253	ng	# 1

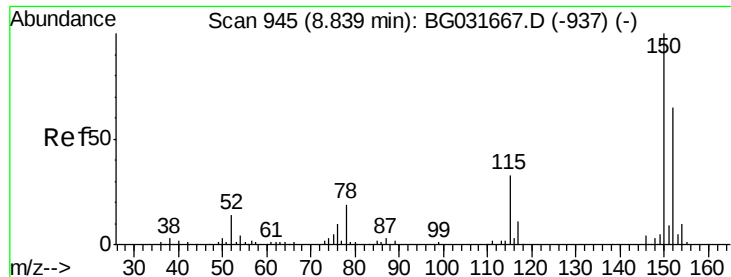
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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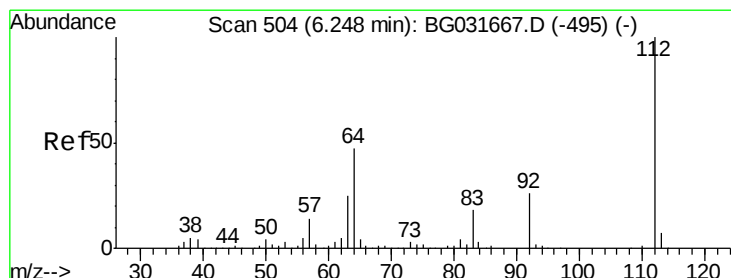
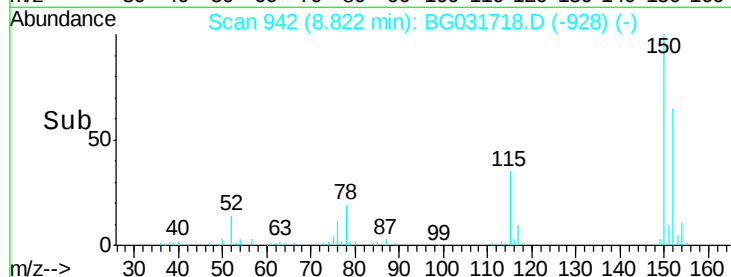
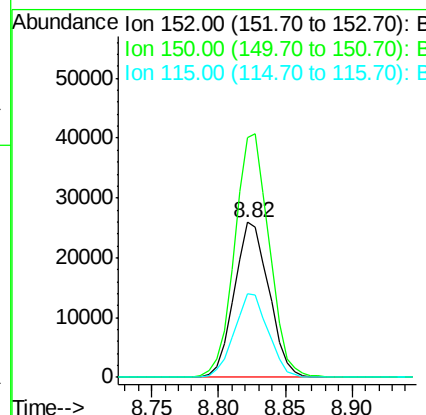
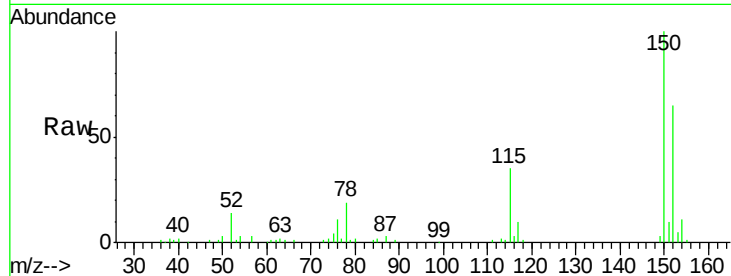


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.82 min Scan# 942
Delta R.T. -0.02 min
Lab File: BG031718.D
Acq: 22 Dec 2017 19:25

Instrument :
BNA_G
ClientSampleId :
EPE-106-3DS(65-67)

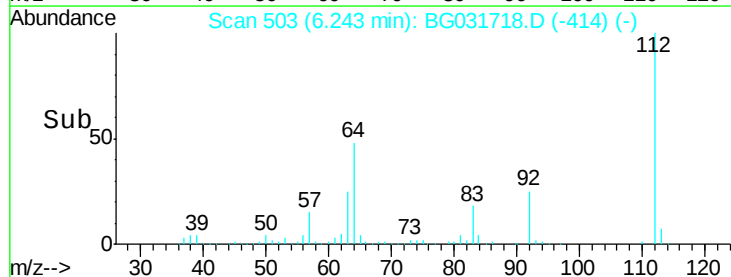
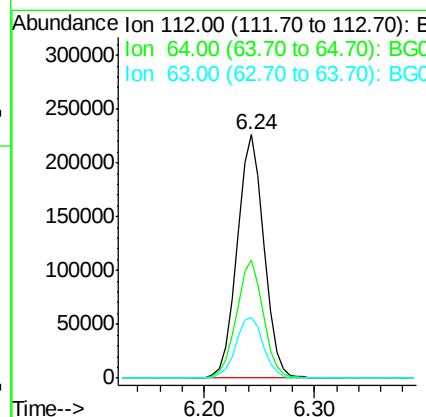
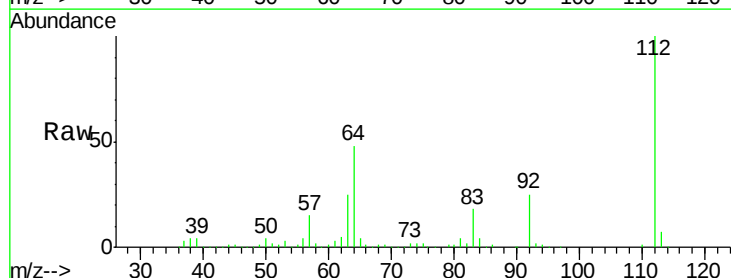
Tot Ion:152 Resp: 46667
Ion Ratio Lower Upper
152 100
150 154.9 126.6 189.8
115 54.4 53.0 79.4

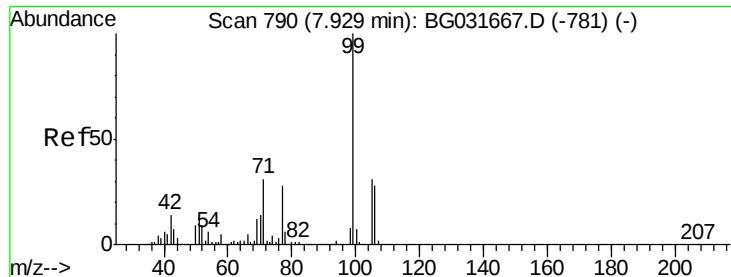


#5

2-Fluorophenol
Concen: 150.232 ng
RT: 6.24 min Scan# 503
Delta R.T. -0.01 min
Lab File: BG031718.D
Acq: 22 Dec 2017 19:25

Tgt Ion:112 Resp: 384921
Ion Ratio Lower Upper
112 100
64 48.4 56.3 84.5#
63 24.8 30.1 45.1#





#7

Phenol-d6

Concen: 148.486 ng

RT: 7.92 min Scan# 789

Delta R.T. -0.01 min

Lab File: BG031718.D

Acq: 22 Dec 2017 19:25

Instrument :

BNA_G

ClientSampleId :

EPE-106-3DS(65-67)

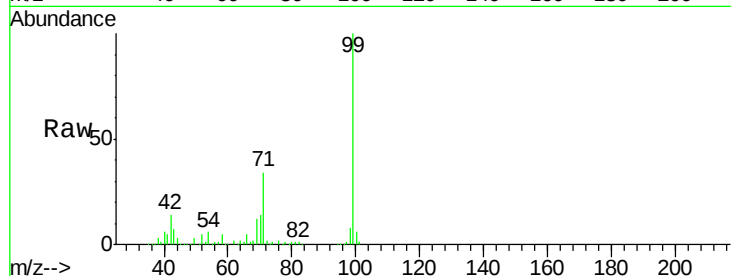
Tot Ion: 99 Resp: 493945

Ion Ratio Lower Upper

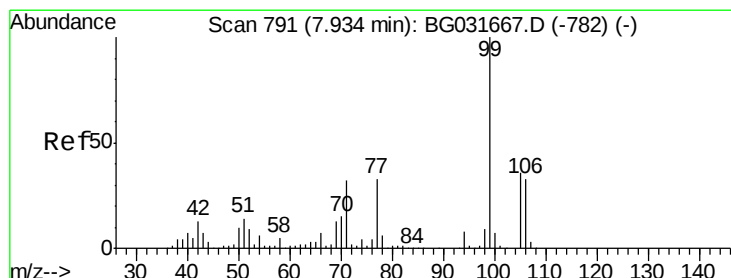
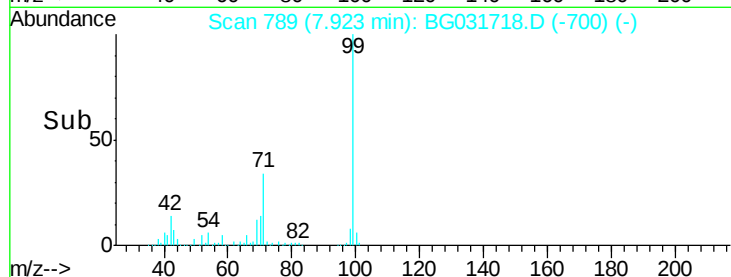
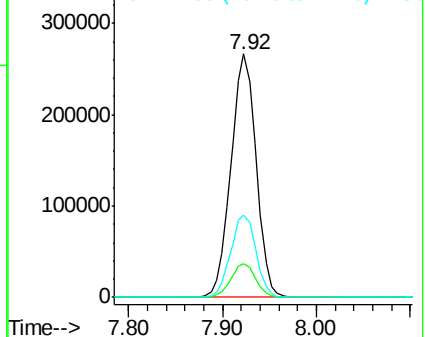
99 100

42 13.7 14.1 21.1#

71 33.8 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



#9

Benzaldehyde

Concen: 4.358 ng

RT: 8.33 min Scan# 859

Delta R.T. 0.40 min

Lab File: BG031718.D

Acq: 22 Dec 2017 19:25

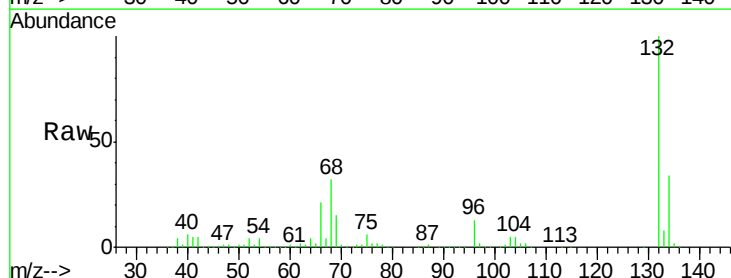
Tgt Ion: 77 Resp: 8729

Ion Ratio Lower Upper

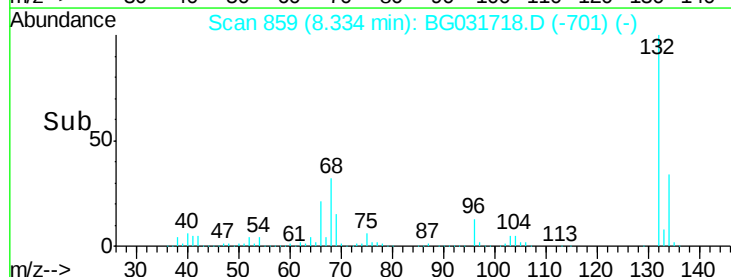
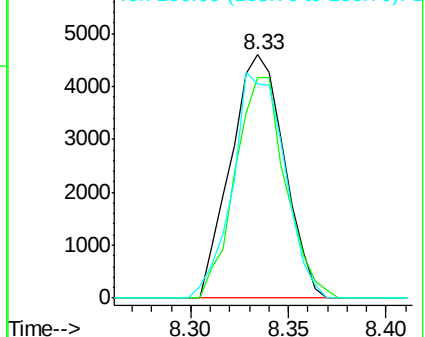
77 100

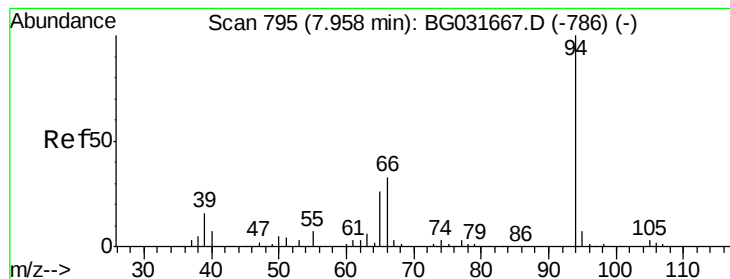
105 90.8 71.3 111.3

106 87.8 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 4.762 ng

RT: 7.95 min Scan# 793

Delta R.T. -0.01 min

Lab File: BG031718.D

Acq: 22 Dec 2017 19:25

Instrument :

BNA_G

ClientSampleId :

EPE-106-3DS(65-67)

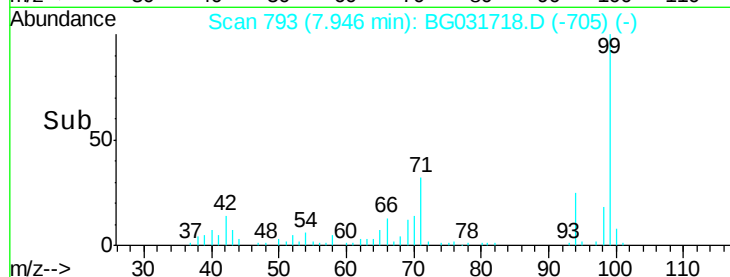
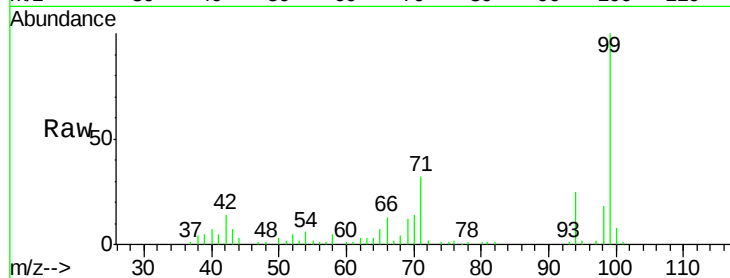
Tot Ion: 94 Resp: 15994

Ion Ratio Lower Upper

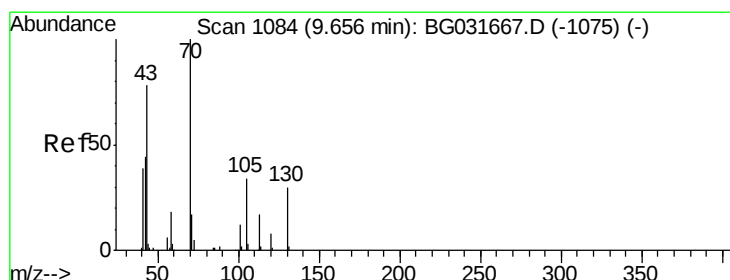
94 100

65 28.6 11.9 51.9

66 52.4 22.2 62.2



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 14.687 ng

RT: 10.03 min Scan# 1147

Delta R.T. 0.37 min

Lab File: BG031718.D

Acq: 22 Dec 2017 19:25

Tgt Ion: 70 Resp: 33366

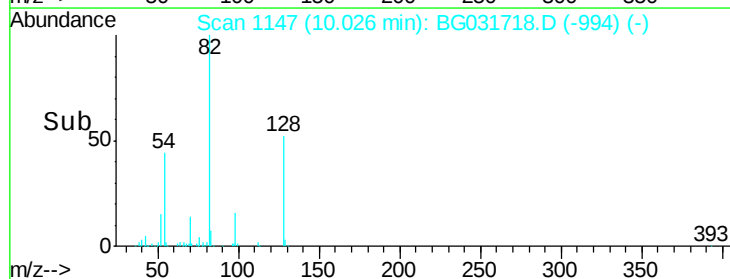
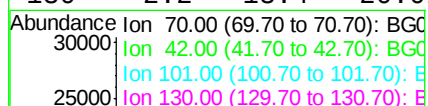
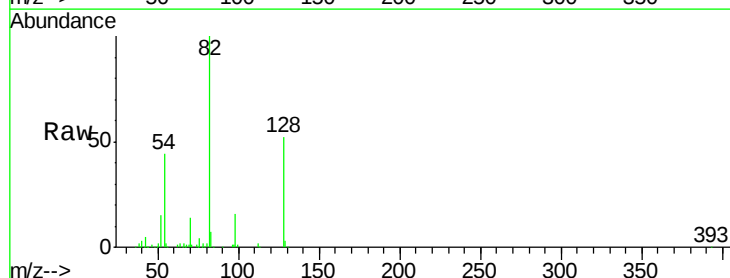
Ion Ratio Lower Upper

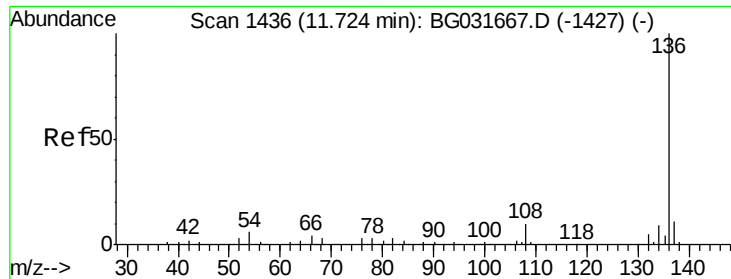
70 100

42 34.0 49.1 73.7#

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#

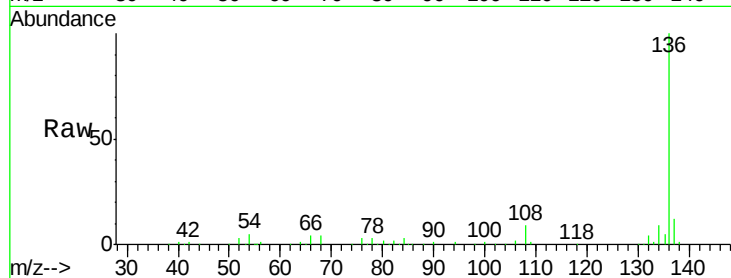




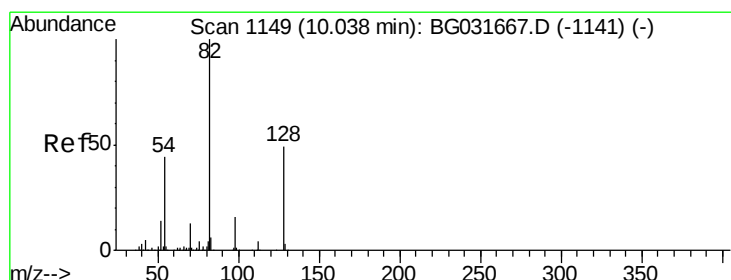
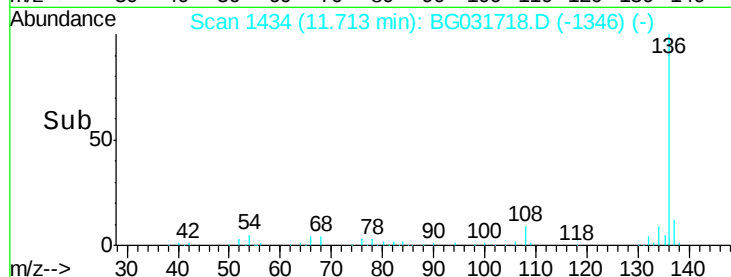
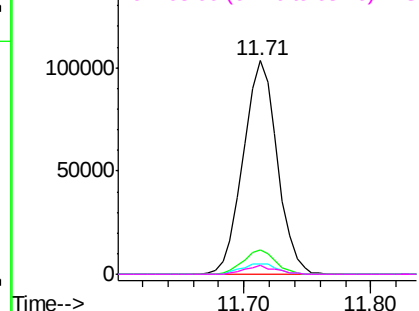
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.71 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BG031718.D
Acq: 22 Dec 2017 19:25

Instrument :
BNA_G
ClientSampleId :
EPE-106-3DS(65-67)

Tot Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.5	9.2	13.8	
54	4.6	10.3	15.5#	
68	4.3	4.5	6.7#	

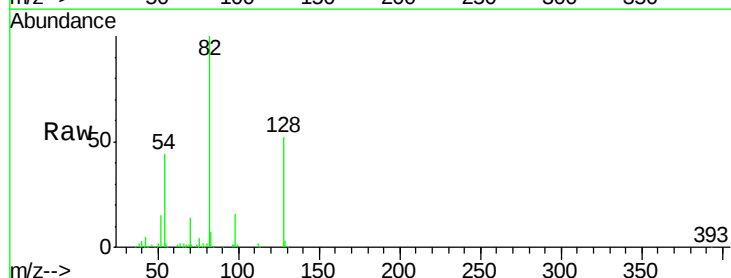


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

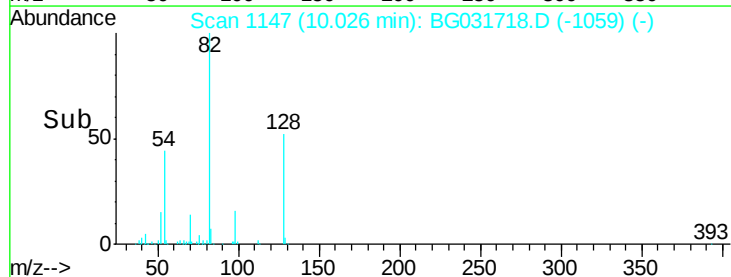
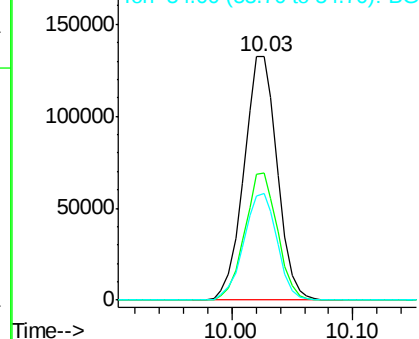


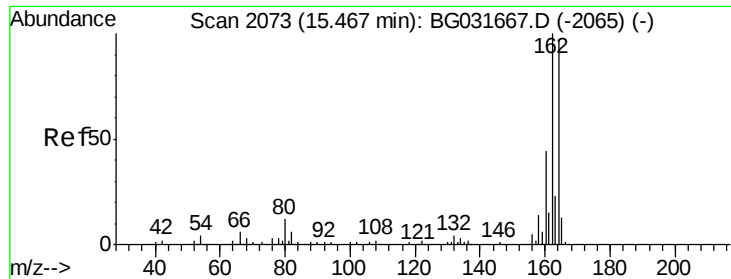
#23
Nitrobenzene-d5
Concen: 99.915 ng
RT: 10.03 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BG031718.D
Acq: 22 Dec 2017 19:25

Tgt Ion	Ion	Ratio	Lower	Upper
82	100			
128	52.3	29.7	44.5#	
54	44.1	43.1	64.7	



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

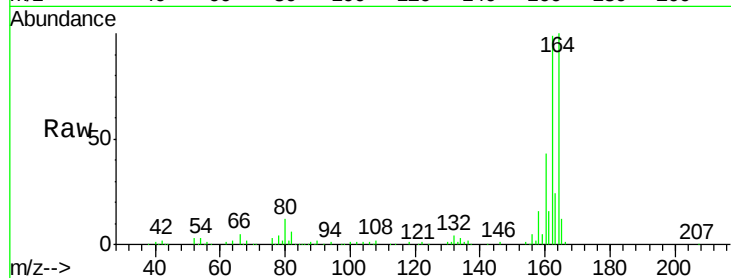




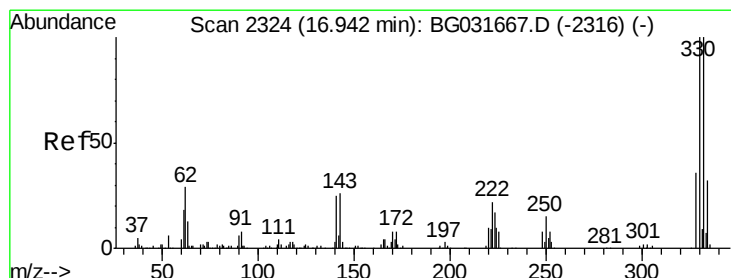
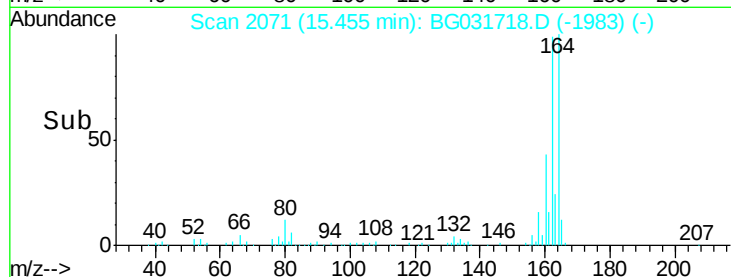
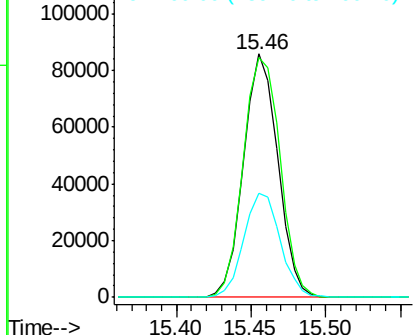
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BG031718.D
Acq: 22 Dec 2017 19:25

Instrument :
BNA_G
ClientSampleId :
EPE-106-3DS(65-67)

Tot Ion:164 Resp: 136590
Ion Ratio Lower Upper
164 100
162 98.7 78.8 118.2
160 42.8 35.4 53.0

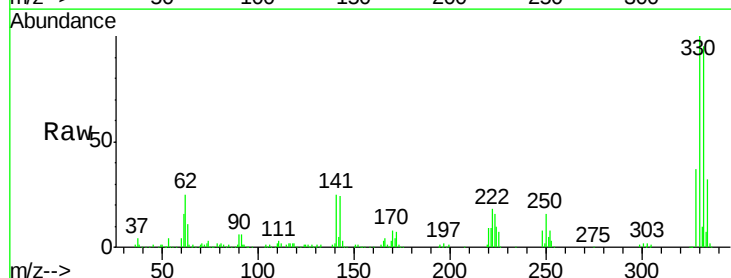


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

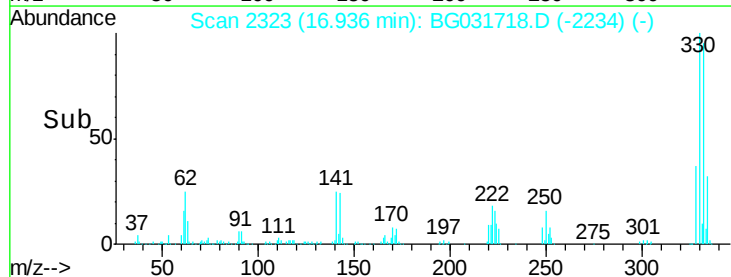
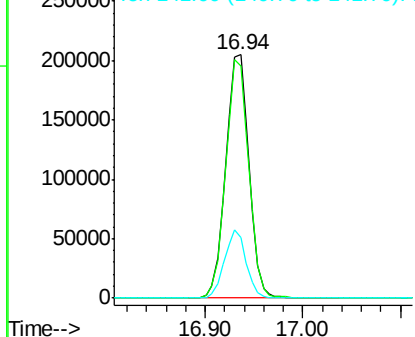


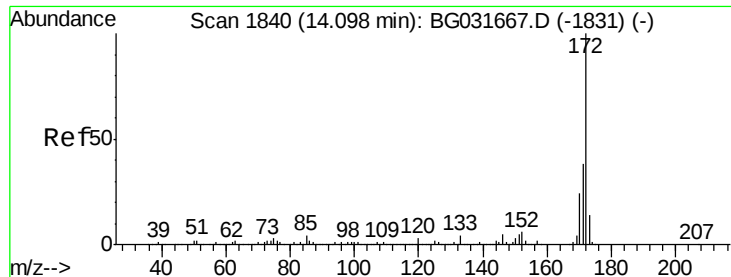
#41
2,4,6-Tribromophenol
Concen: 161.710 ng
RT: 16.94 min Scan# 2323
Delta R.T. -0.01 min
Lab File: BG031718.D
Acq: 22 Dec 2017 19:25

Tgt Ion:330 Resp: 337032
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.6
141 26.2 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

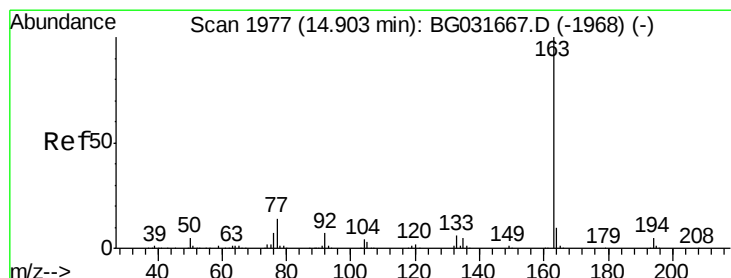
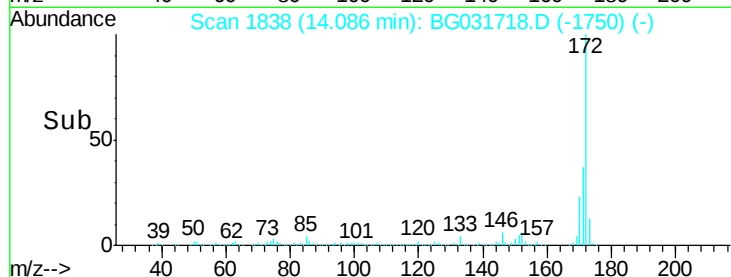
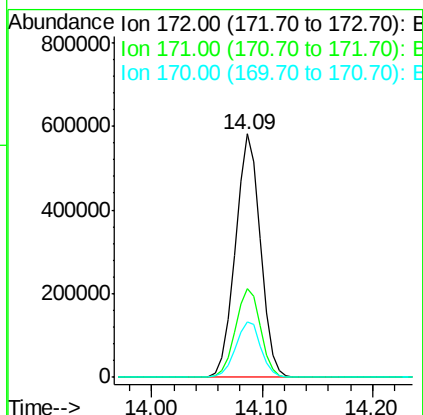
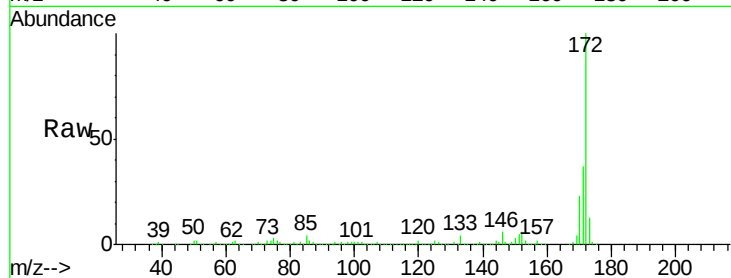




#44
2-Fluorobiphenyl
Concen: 84.783 ng
RT: 14.09 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BG031718.D
Acq: 22 Dec 2017 19:25

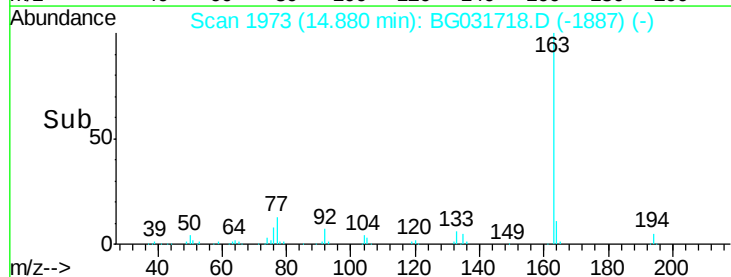
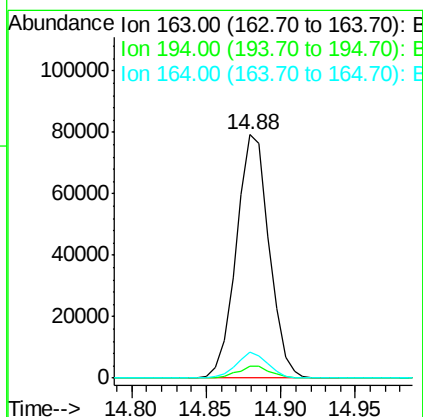
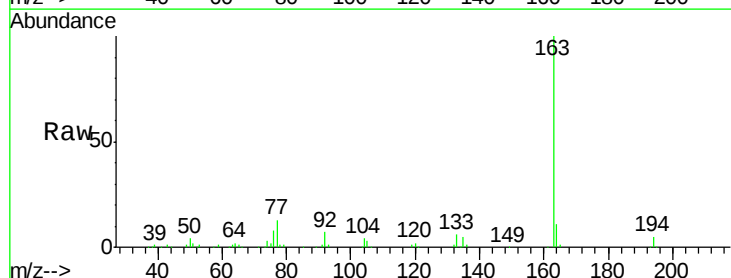
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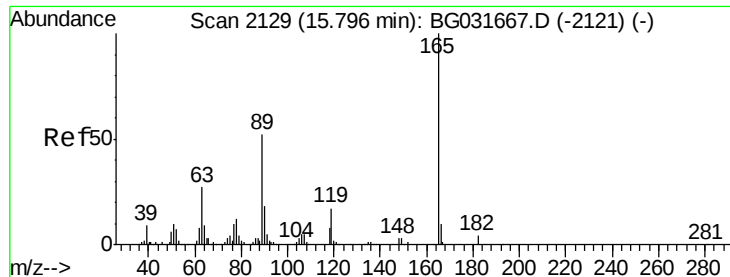
Tot Ion:172 Resp: 922654
Ion Ratio Lower Upper
172 100
171 36.7 30.0 45.0
170 22.7 19.5 29.3



#49
Dimethylphthalate
Concen: 10.040 ng
RT: 14.88 min Scan# 1973
Delta R.T. -0.02 min
Lab File: BG031718.D
Acq: 22 Dec 2017 19:25

Tgt Ion:163 Resp: 120806
Ion Ratio Lower Upper
163 100
194 5.1 3.4 5.2
164 10.6 8.2 12.4





#56

2,4-Dinitrotoluene

Concen: 5.944 ng

RT: 15.46 min Scan# 2071

Delta R.T. -0.34 min

Lab File: BG031718.D

Acq: 22 Dec 2017 19:25

Instrument :

BNA_G

ClientSampleId :

EPE-106-3DS(65-67)

Tot Ion:165 Resp: 16918

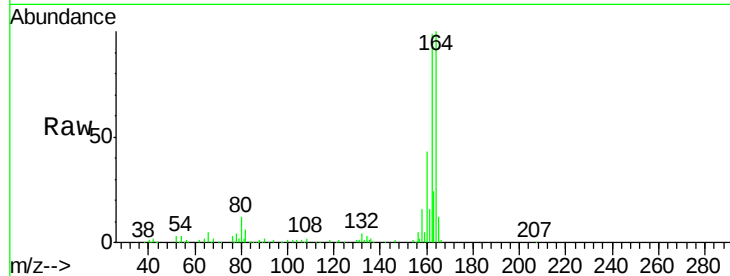
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.7 66.9 100.3#

182 0.0 2.6 3.8#



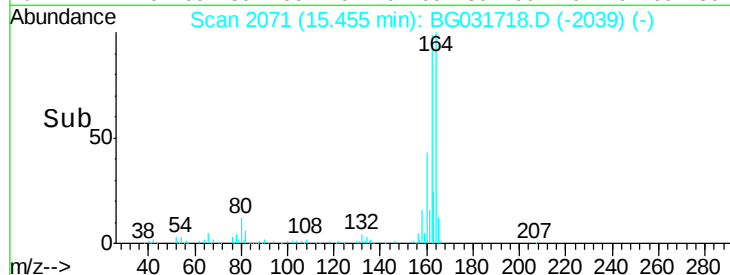
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

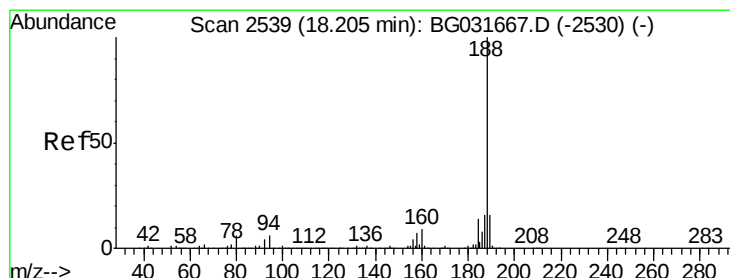
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

Time-->



Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.19 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BG031718.D

Acq: 22 Dec 2017 19:25

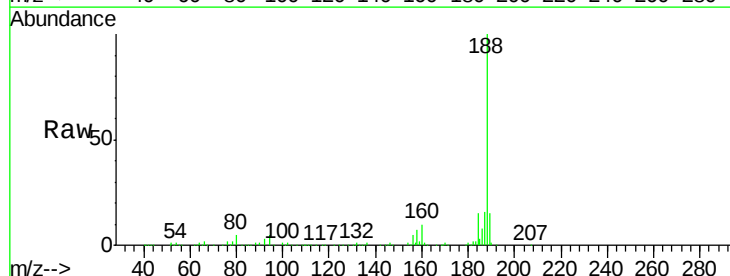
Tgt Ion:188 Resp: 352700

Ion Ratio Lower Upper

188 100

94 4.6 6.9 10.3#

80 5.5 7.7 11.5#

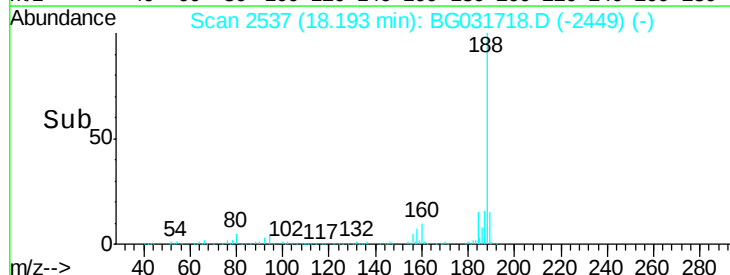


Abundance Ion 188.00 (187.70 to 188.70): E

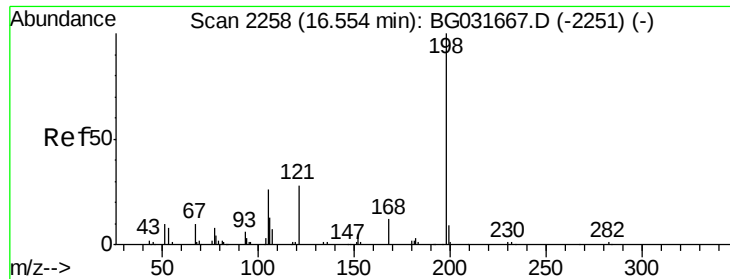
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->



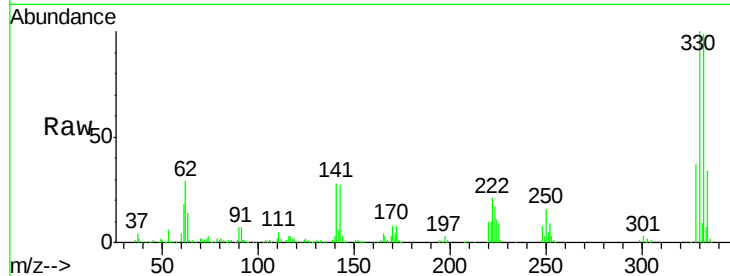
Time-->



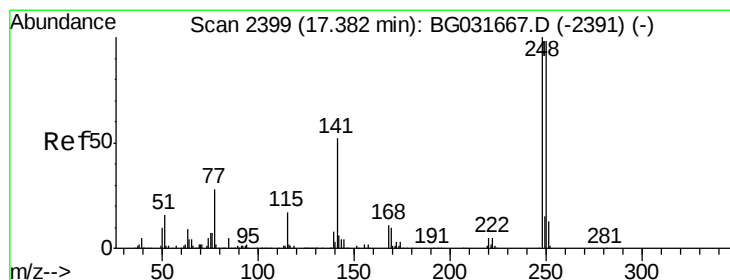
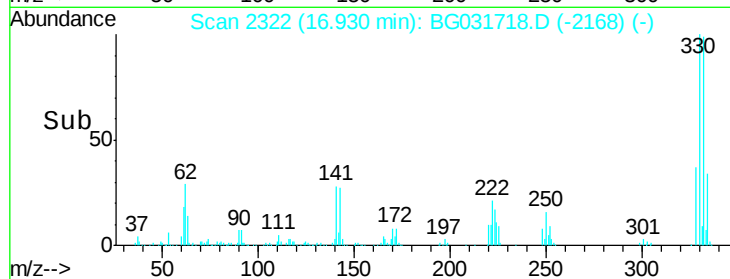
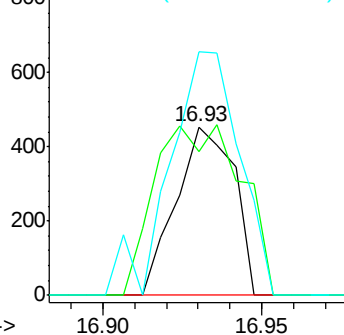
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.583 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. 0.38 min
 Lab File: BG031718.D
 Acq: 22 Dec 2017 19:25

Instrument :
 BNA_G
 ClientSampleId :
 EPE-106-3DS(65-67)

Tot Ion:198 Resp: 575
 Ion Ratio Lower Upper
 198 100
 51 85.2 30.6 70.6#
 105 144.8 23.8 63.8#

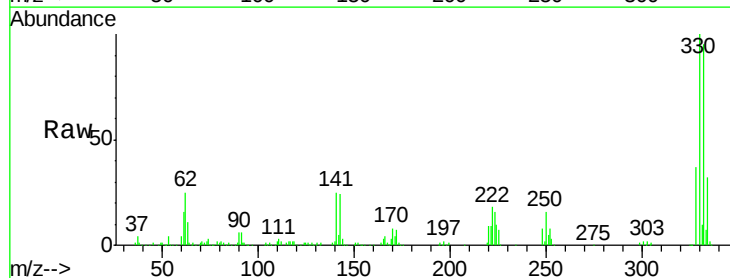


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

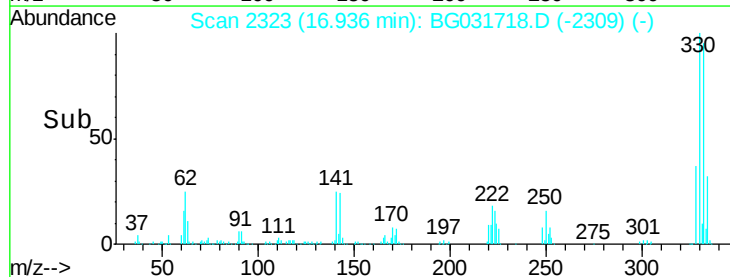
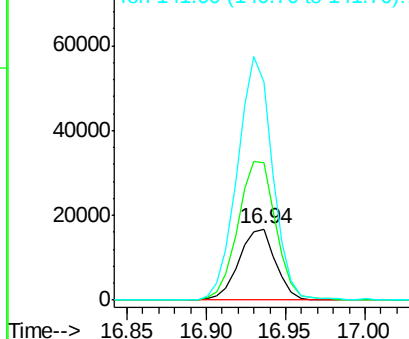


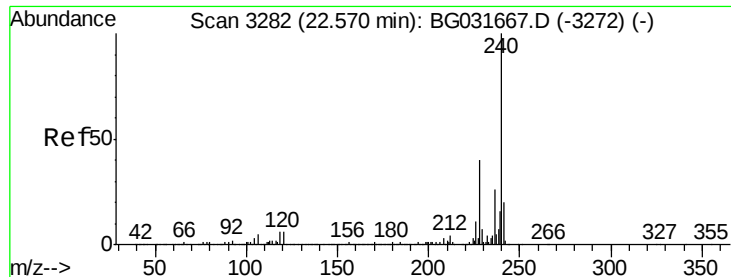
#66
 4-Bromophenyl-phenylether
 Concen: 5.253 ng
 RT: 16.94 min Scan# 2323
 Delta R.T. -0.45 min
 Lab File: BG031718.D
 Acq: 22 Dec 2017 19:25

Tgt Ion:248 Resp: 26793
 Ion Ratio Lower Upper
 248 100
 250 193.4 77.1 115.7#
 141 307.8 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: 22.55 min Scan# 3279

Delta R.T. -0.02 min

Lab File: BG031718.D

Acq: 22 Dec 2017 19:25

Instrument :

BNA_G

ClientSampleId :

EPE-106-3DS(65-67)

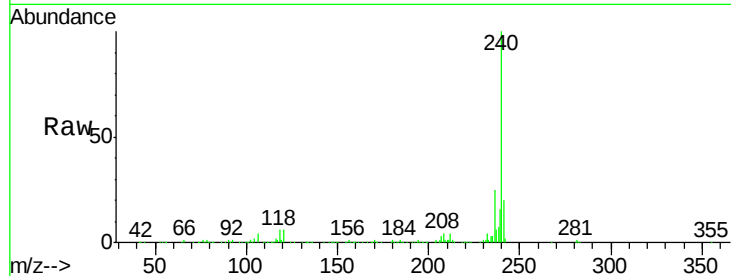
Tot Ion:240 Resp: 414875

Ion Ratio Lower Upper

240 100

120 5.5 6.8 10.2#

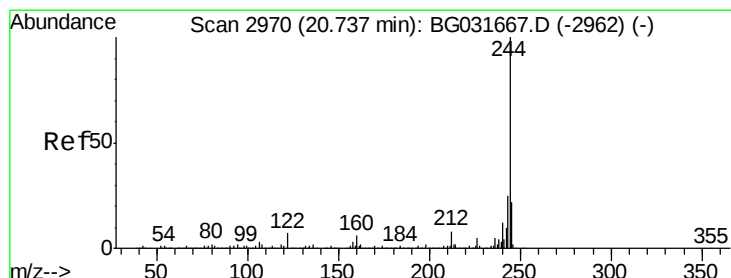
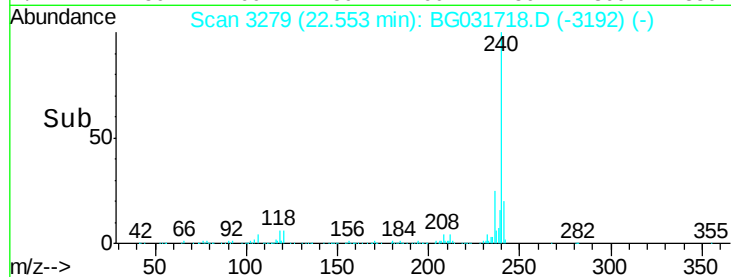
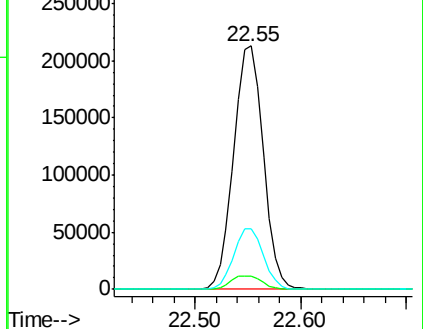
236 25.0 20.9 31.3



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



#78

Terphenyl-d14

Concen: 89.422 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031718.D

Acq: 22 Dec 2017 19:25

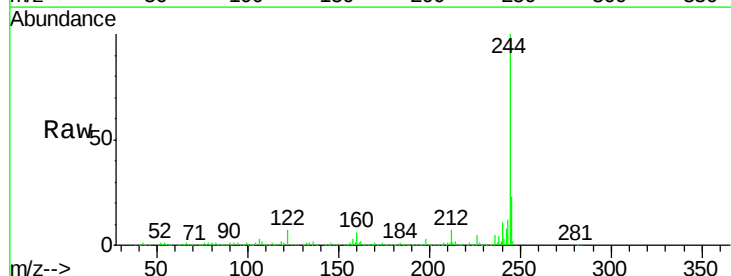
Tgt Ion:244 Resp: 1623843

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

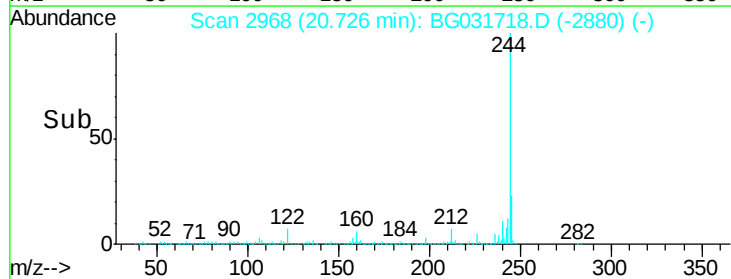
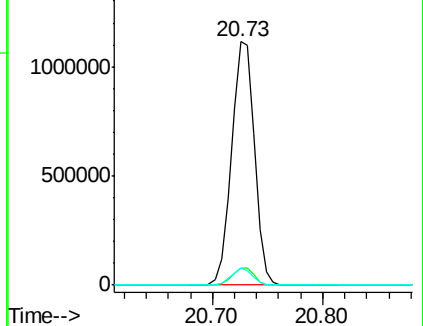
122 7.0 7.0 10.4

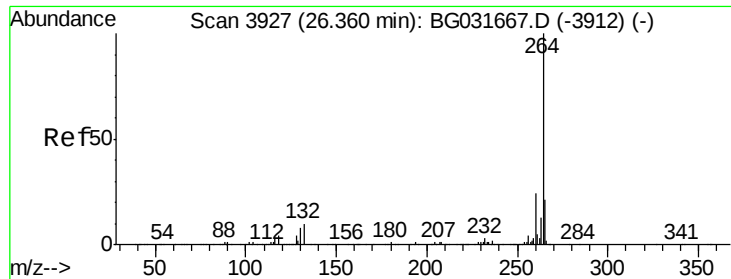


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

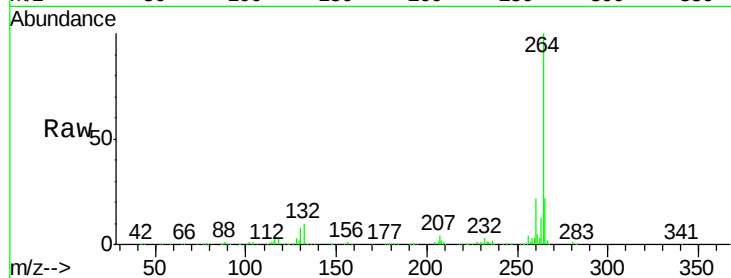




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.34 min Scan# 3923
 Delta R.T. -0.02 min
 Lab File: BG031718.D
 Acq: 22 Dec 2017 19:25

Instrument :
 BNA_G
 ClientSampleId :
 EPE-106-3DS(65-67)

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	22.4	17.4	26.0	
265	22.2	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

