

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122217\
 Data File : BG031717.D
 Acq On : 22 Dec 2017 18:47
 Operator : SJ/JU
 Sample : I7002-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EPE-106-3DS(60-62)

Quant Time: Dec 23 01:09:37 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

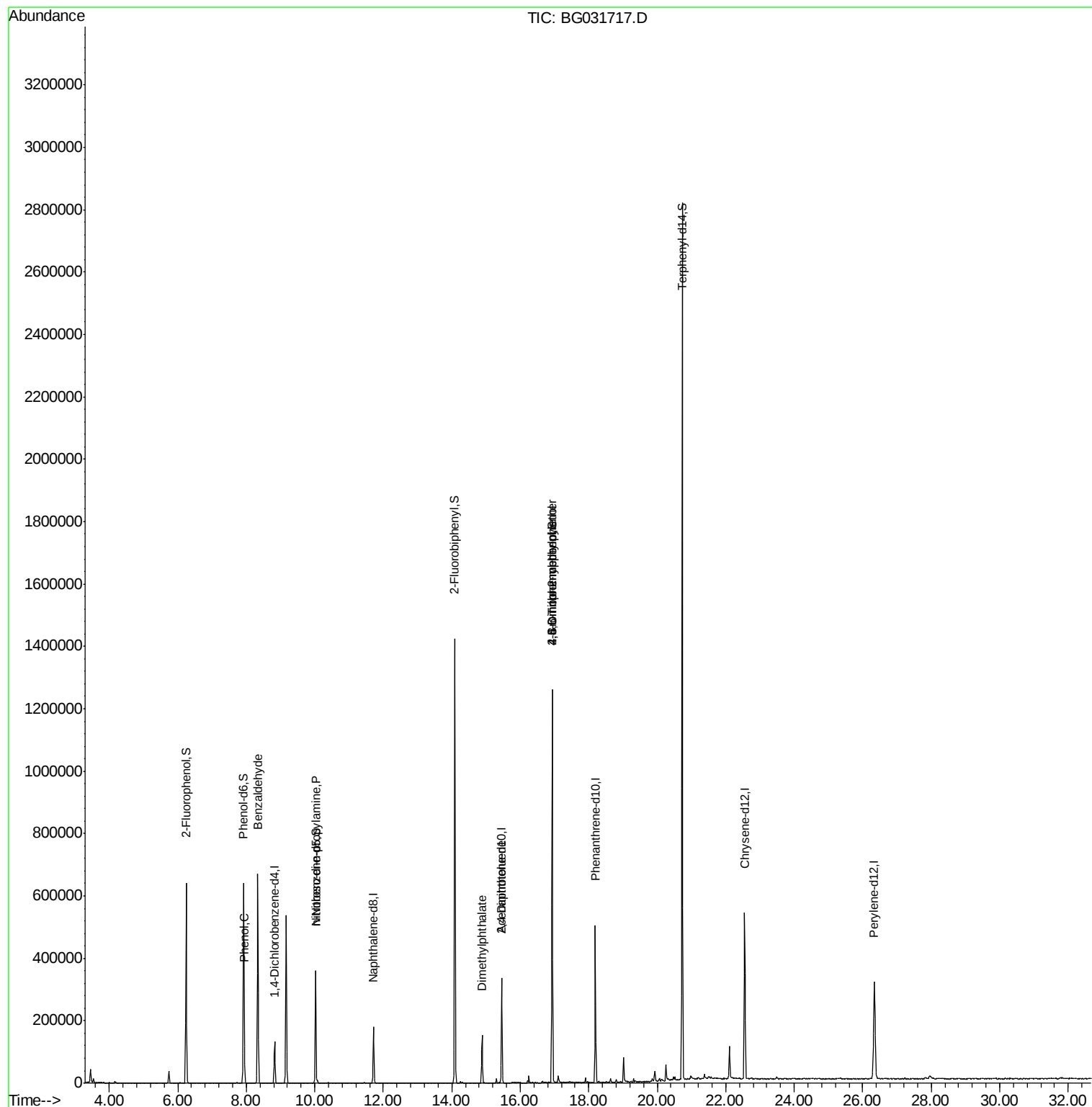
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	46277	20.00	ng	-0.01
21) Naphthalene-d8	11.71	136	183269	20.00	ng	-0.01
38) Acenaphthene-d10	15.46	164	129629	20.00	ng	-0.01
63) Phenanthrene-d10	18.19	188	340307	20.00	ng	-0.01
75) Chrysene-d12	22.55	240	399830	20.00	ng	-0.02
86) Perylene-d12	26.34	264	425332	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	351216	138.23	ng	0.00
7) Phenol-d6	7.92	99	449417	136.24	ng	0.00
23) Nitrobenzene-d5	10.03	82	231441	95.36	ng	-0.01
41) 2,4,6-Tribromophenol	16.94	330	308461	155.95	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	874893	84.71	ng	-0.01
78) Terphenyl-d14	20.73	244	1528621	87.35	ng	-0.01
Target Compounds						
9) Benzaldehyde	8.33	77	8070	4.063	ng	96
10) Phenol	7.95	94	14506	4.356	ng	90
19) n-Nitroso-di-n-propylamine	10.03	70	31017	13.768	ng	# 67
49) Dimethylphthalate	14.89	163	124223	10.878	ng	# 98
56) 2,4-Dinitrotoluene	15.46	165	16925	6.265	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.93	198	652	8.631	ng	# 7
66) 4-Bromophenyl-phenylether	16.93	248	24564	4.992	ng	# 1

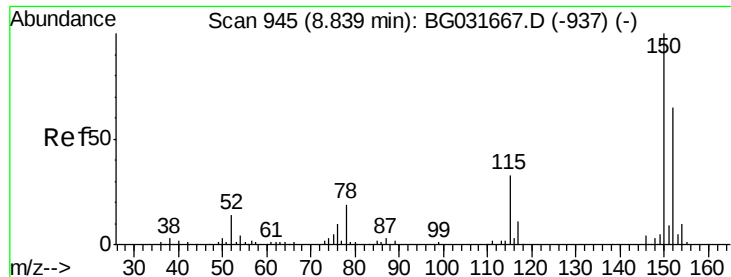
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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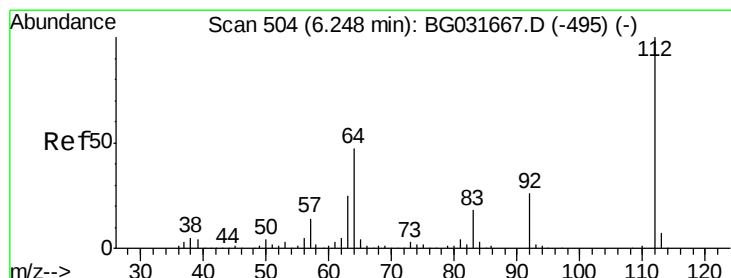
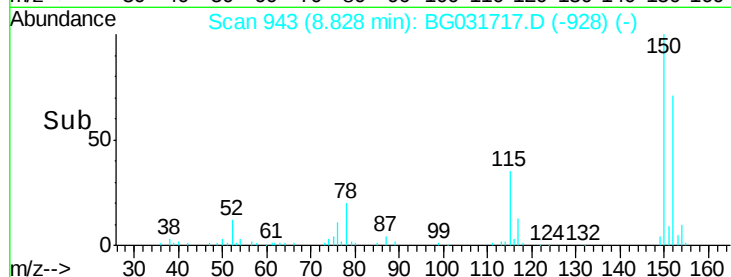
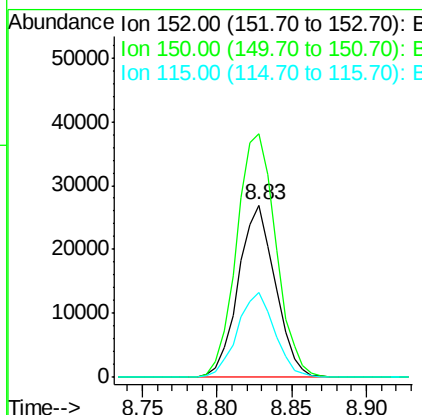
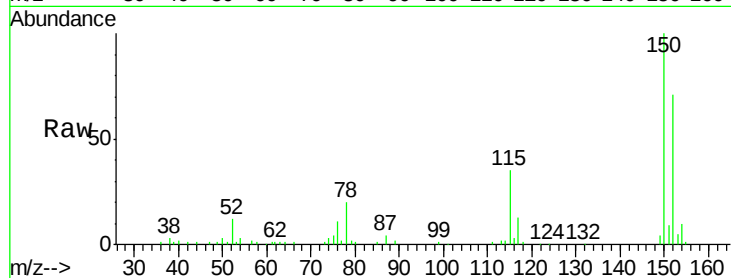


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.83 min Scan# 943
Delta R.T. -0.01 min
Lab File: BG031717.D
Acq: 22 Dec 2017 18:47

Instrument :
BNA_G
ClientSampleId :
EPE-106-3DS(60-62)

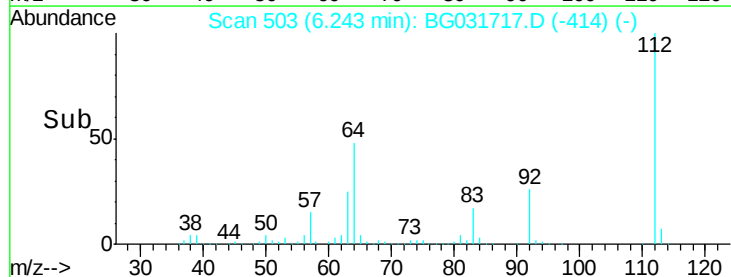
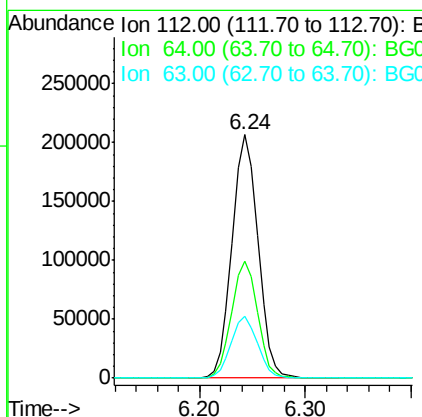
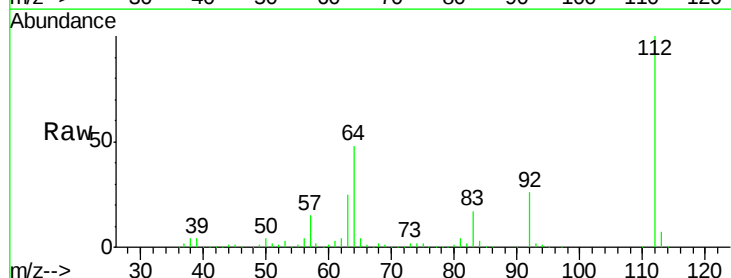
Tot Ion:152 Resp: 46277
Ion Ratio Lower Upper
152 100
150 141.5 126.6 189.8
115 49.7 53.0 79.4#

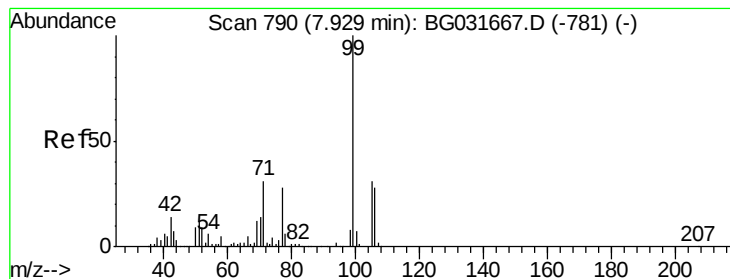


#5

2-Fluorophenol
Concen: 138.233 ng
RT: 6.24 min Scan# 503
Delta R.T. -0.01 min
Lab File: BG031717.D
Acq: 22 Dec 2017 18:47

Tgt Ion:112 Resp: 351216
Ion Ratio Lower Upper
112 100
64 48.0 56.3 84.5#
63 25.3 30.1 45.1#





#7

Phenol-d6

Concen: 136.239 ng

RT: 7.92 min Scan# 789

Delta R.T. -0.01 min

Lab File: BG031717.D

Acq: 22 Dec 2017 18:47

Instrument :

BNA_G

ClientSampleId :

EPE-106-3DS(60-62)

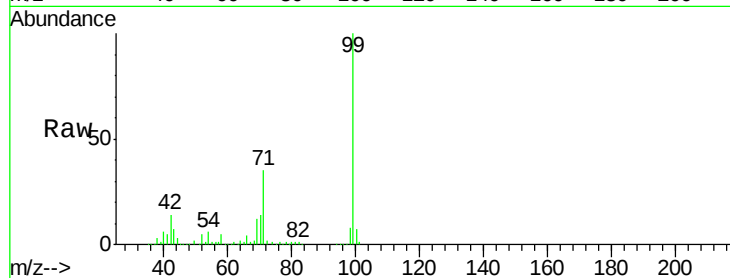
Tot Ion: 99 Resp: 449417

Ion Ratio Lower Upper

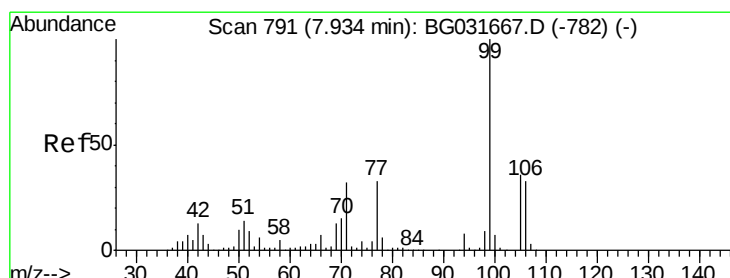
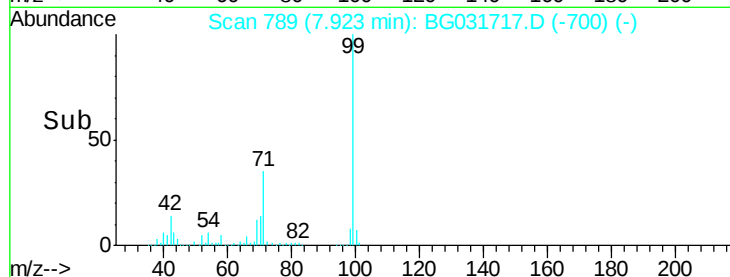
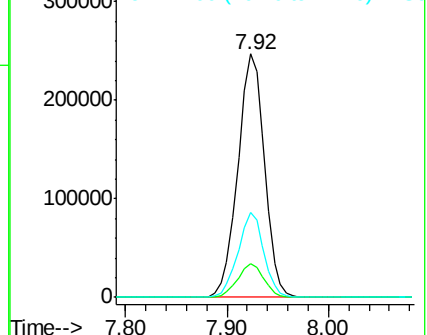
99 100

42 14.1 14.1 21.1

71 34.7 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: 4.063 ng

RT: 8.33 min Scan# 859

Delta R.T. 0.40 min

Lab File: BG031717.D

Acq: 22 Dec 2017 18:47

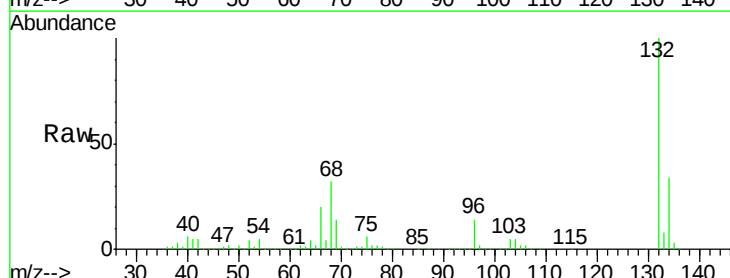
Tgt Ion: 77 Resp: 8070

Ion Ratio Lower Upper

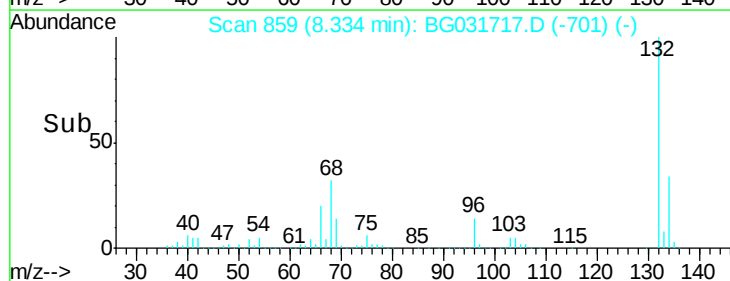
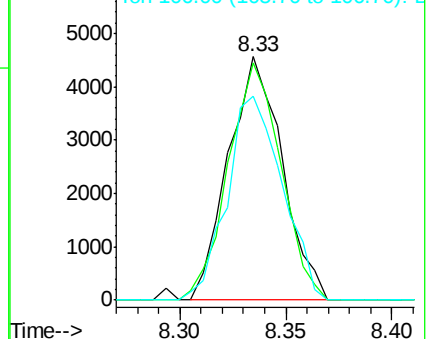
77 100

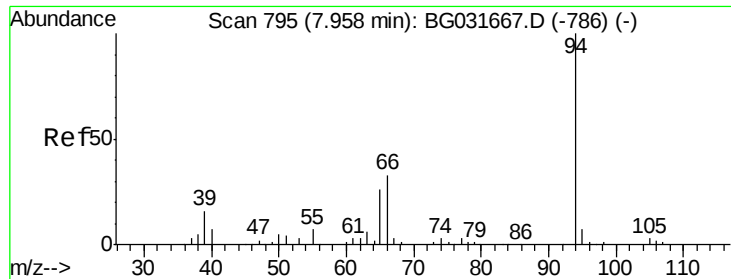
105 97.6 71.3 111.3

106 83.6 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: 4.356 ng

RT: 7.95 min Scan# 793

Delta R.T. -0.01 min

Lab File: BG031717.D

Acq: 22 Dec 2017 18:47

Instrument :

BNA_G

ClientSampleId :

EPE-106-3DS(60-62)

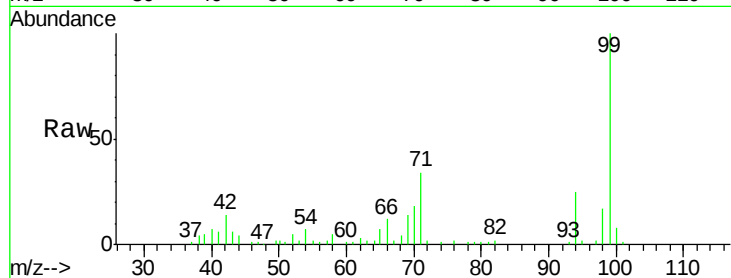
Tot Ion: 94 Resp: 14506

Ion Ratio Lower Upper

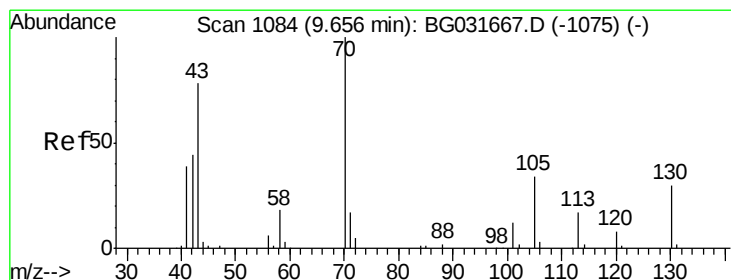
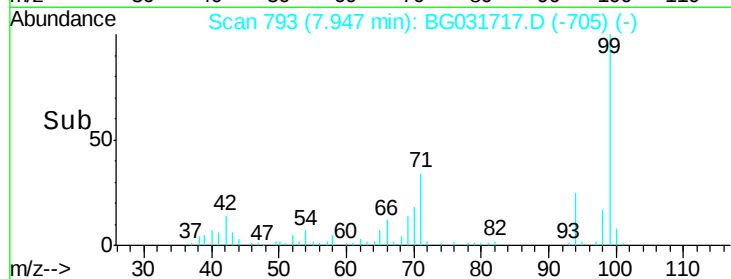
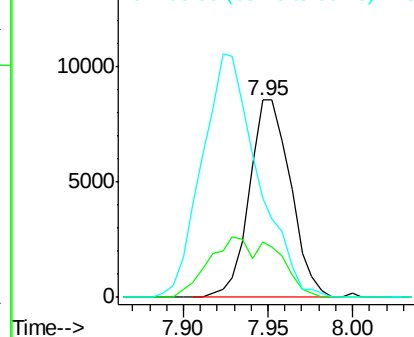
94 100

65 27.9 11.9 51.9

66 50.3 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: 13.768 ng

RT: 10.03 min Scan# 1147

Delta R.T. 0.37 min

Lab File: BG031717.D

Acq: 22 Dec 2017 18:47

Tgt Ion: 70 Resp: 31017

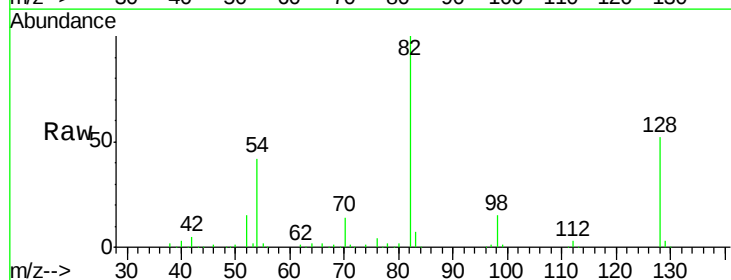
Ion Ratio Lower Upper

70 100

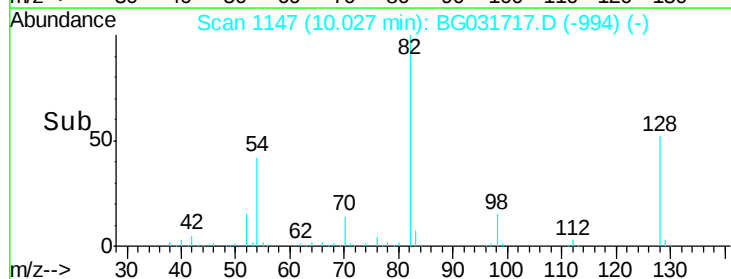
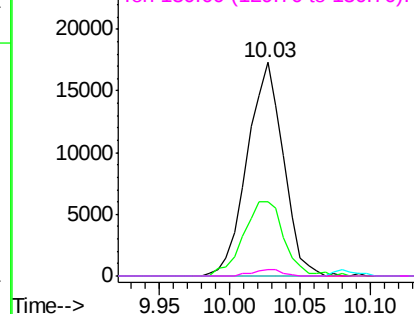
42 34.8 49.1 73.7#

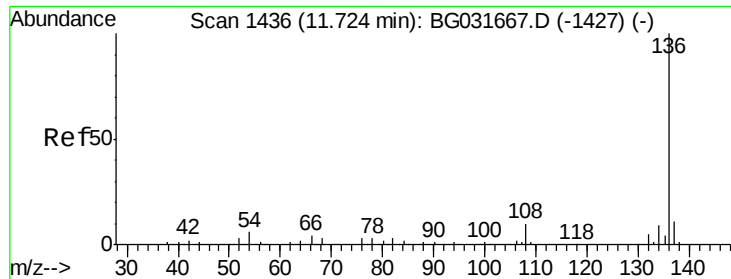
101 0.0 8.5 12.7#

130 2.9 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

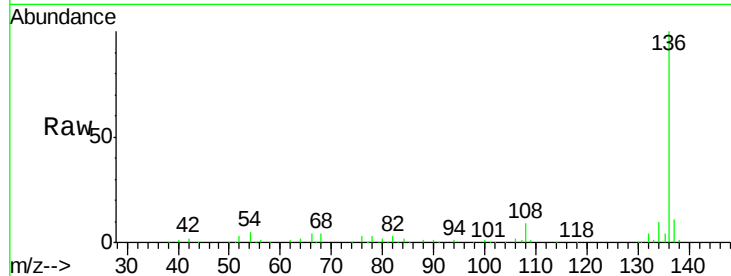




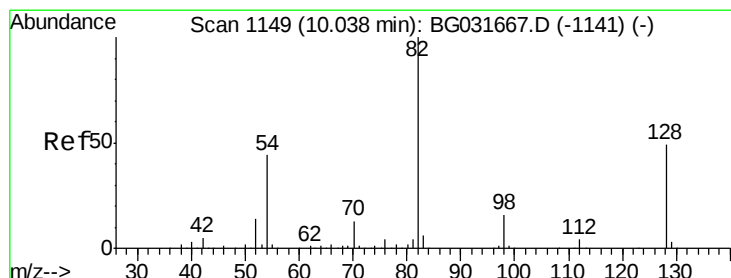
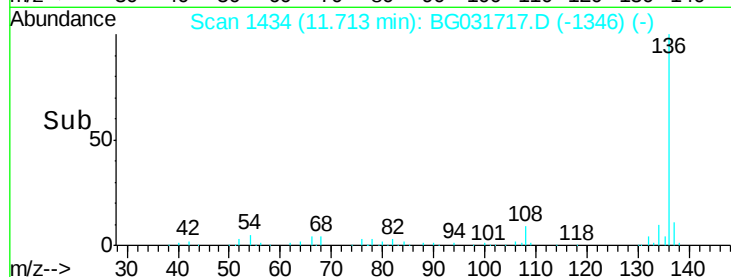
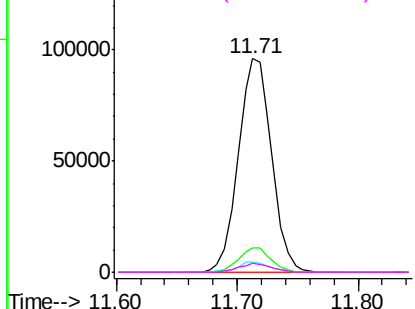
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.71 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BG031717.D
Acq: 22 Dec 2017 18:47

Instrument :
BNA_G
ClientSampleId :
EPE-106-3DS(60-62)

Tot Ion:136 Resp: 183269
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 4.7 10.3 15.5#
68 4.4 4.5 6.7#

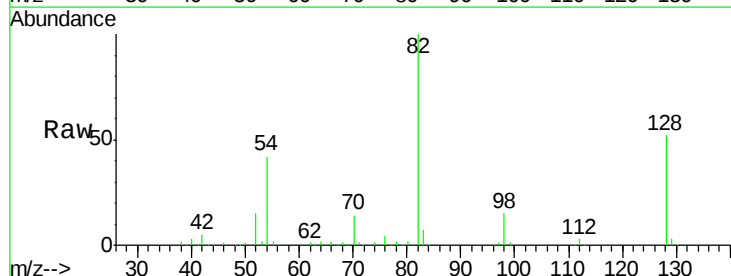


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

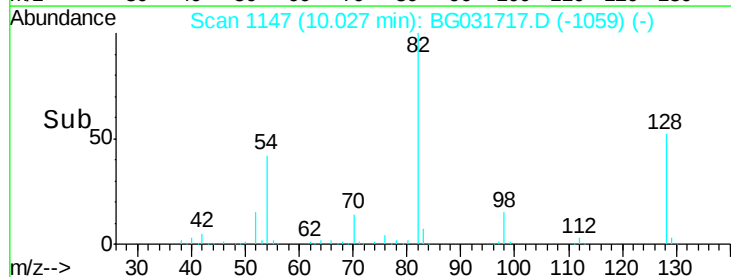
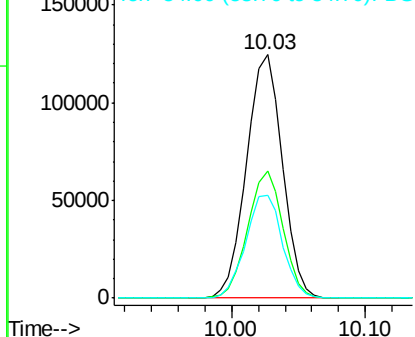


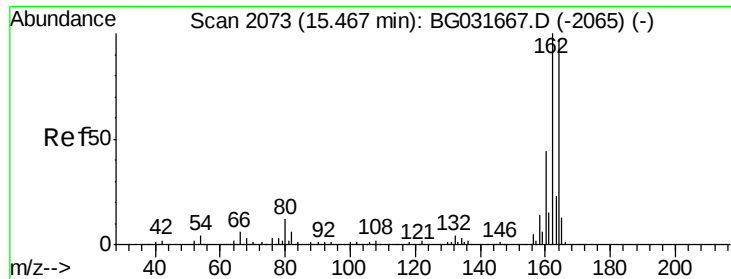
#23
Nitrobenzene-d5
Concen: 95.360 ng
RT: 10.03 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BG031717.D
Acq: 22 Dec 2017 18:47

Tgt Ion: 82 Resp: 231441
Ion Ratio Lower Upper
82 100
128 52.1 29.7 44.5#
54 42.4 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

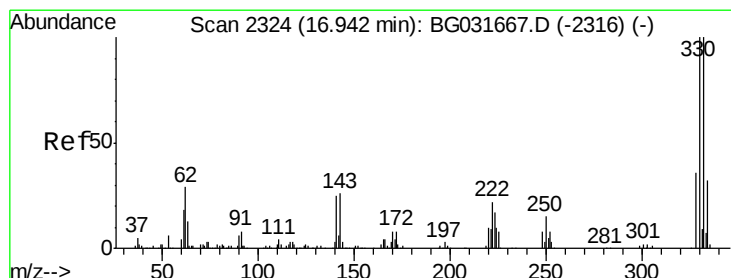
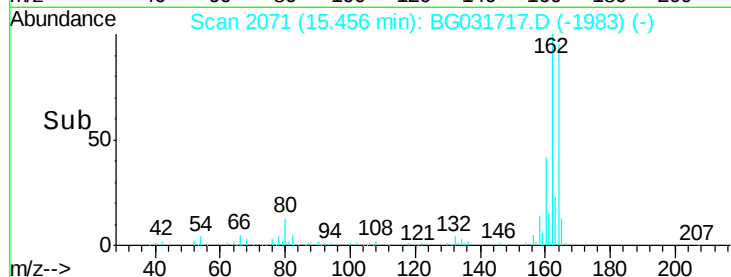
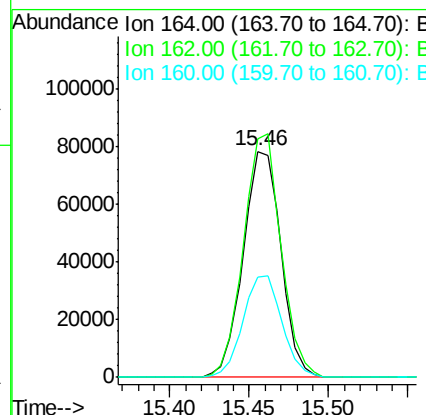
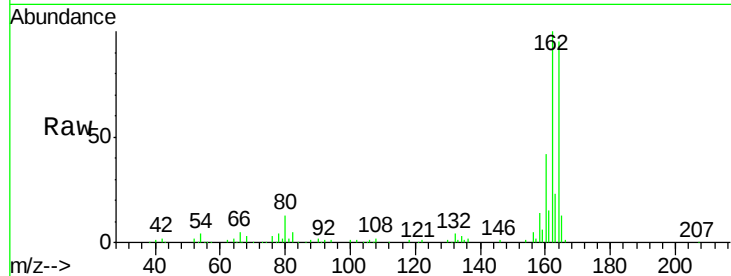




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BG031717.D
Acq: 22 Dec 2017 18:47

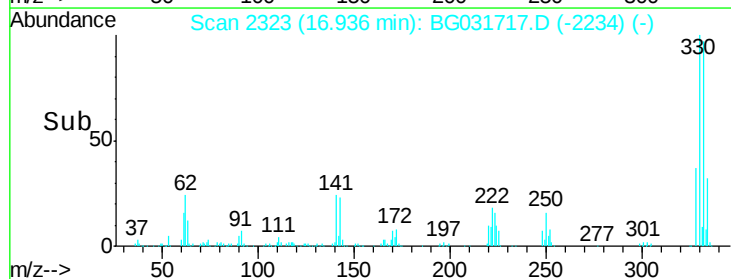
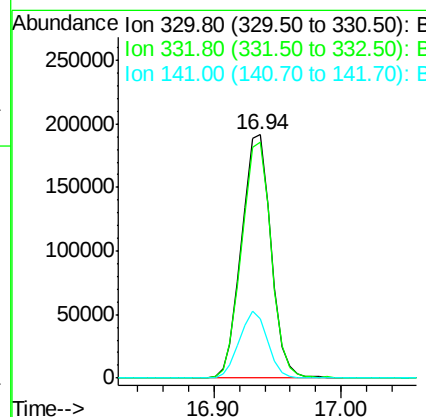
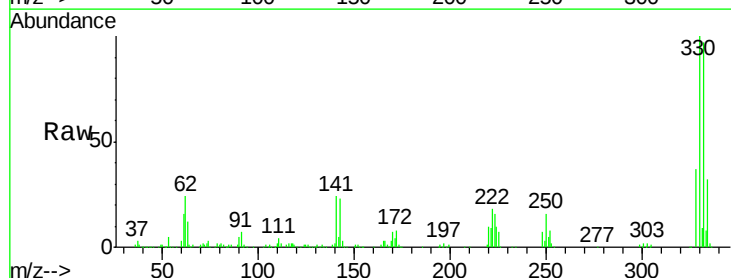
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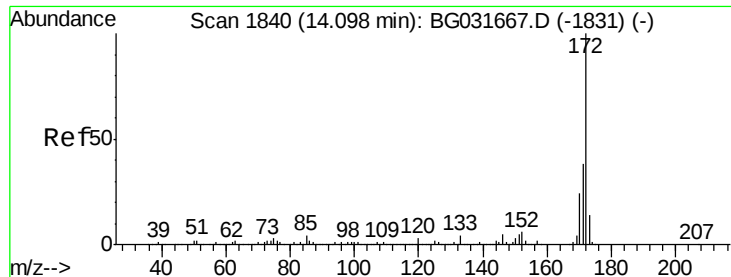
Tot Ion:164 Resp: 129629
Ion Ratio Lower Upper
164 100
162 105.4 78.8 118.2
160 44.6 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 155.949 ng
RT: 16.94 min Scan# 2323
Delta R.T. -0.01 min
Lab File: BG031717.D
Acq: 22 Dec 2017 18:47

Tgt Ion:330 Resp: 308461
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.6
141 26.4 25.2 37.8

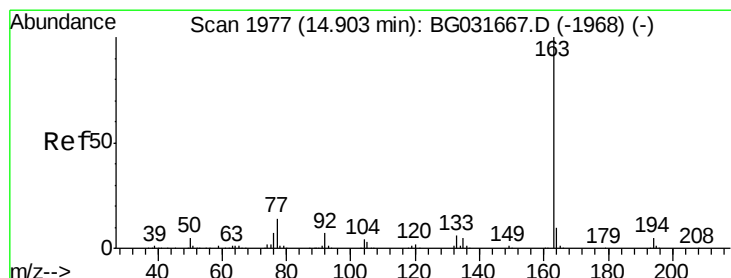
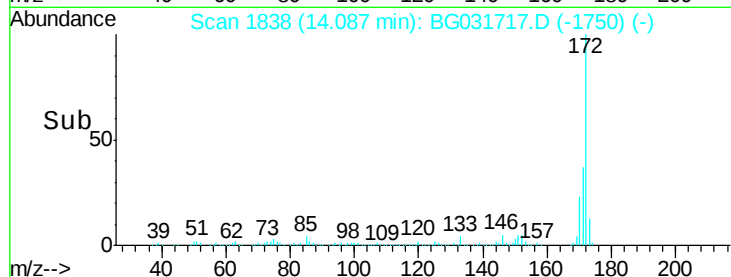
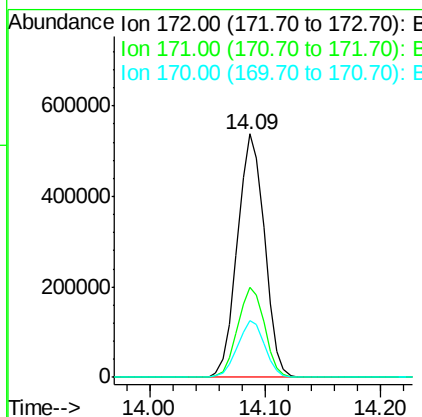
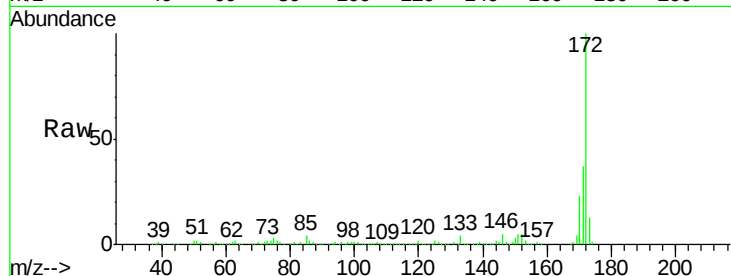




#44
2-Fluorobiphenyl
Concen: 84.712 ng
RT: 14.09 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BG031717.D
Acq: 22 Dec 2017 18:47

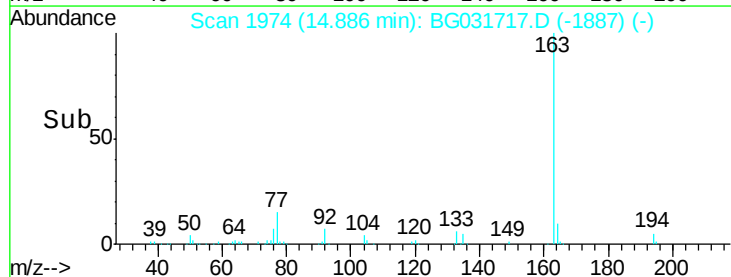
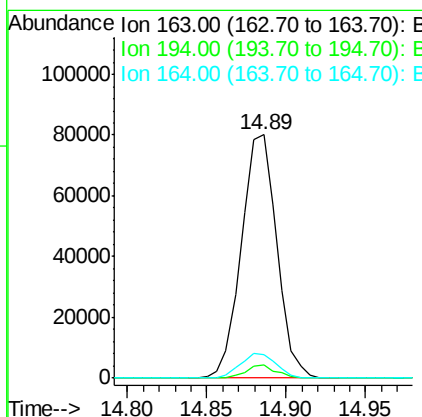
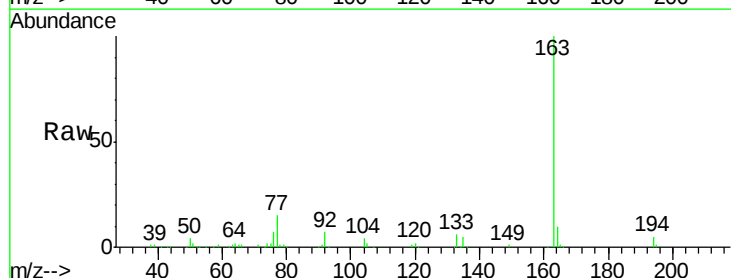
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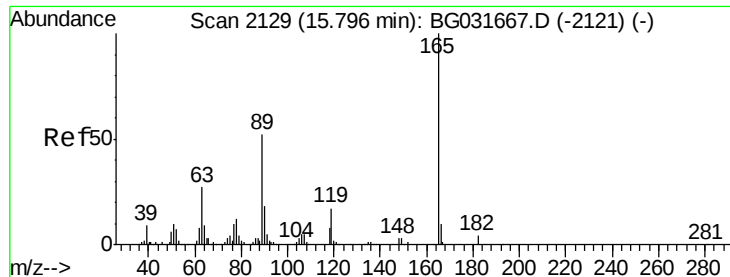
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.0	45.0
170	23.3	19.5	29.3



#49
Dimethylphthalate
Concen: 10.878 ng
RT: 14.89 min Scan# 1974
Delta R.T. -0.02 min
Lab File: BG031717.D
Acq: 22 Dec 2017 18:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.3	3.4	5.2#
164	9.6	8.2	12.4





#56

2,4-Dinitrotoluene

Concen: 6.265 ng

RT: 15.46 min Scan# 2071

Delta R.T. -0.34 min

Lab File: BG031717.D

Acq: 22 Dec 2017 18:47

Instrument :

BNA_G

ClientSampleId :

EPE-106-3DS(60-62)

Tot Ion:165 Resp: 16925

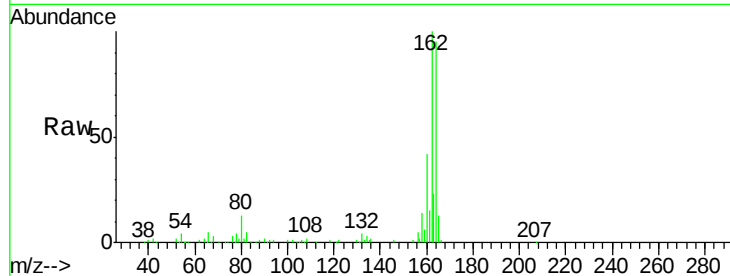
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

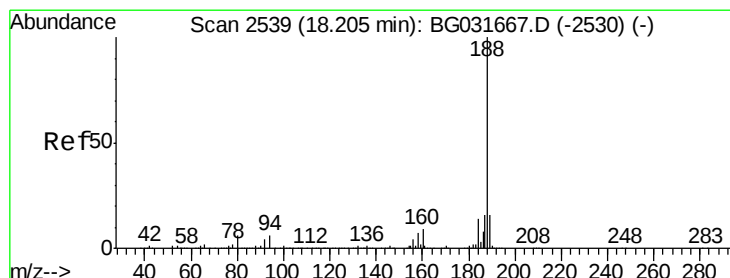
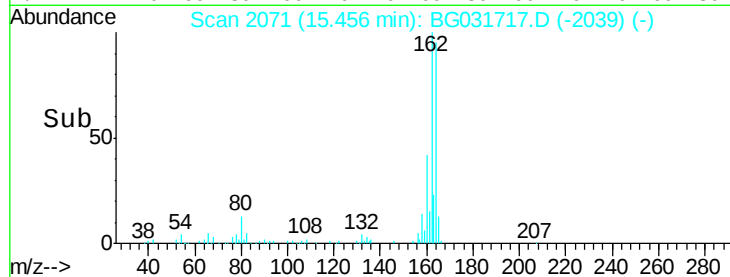
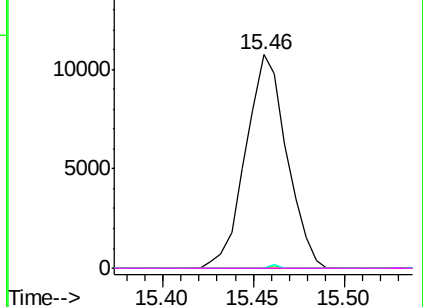


Abundance Ion 165.00 (164.70 to 165.70): E

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: 18.19 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BG031717.D

Acq: 22 Dec 2017 18:47

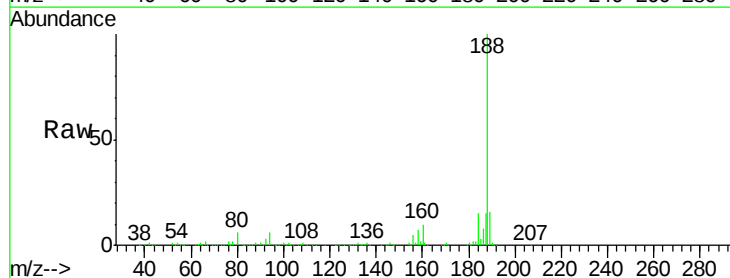
Tgt Ion:188 Resp: 340307

Ion Ratio Lower Upper

188 100

94 5.7 6.9 10.3#

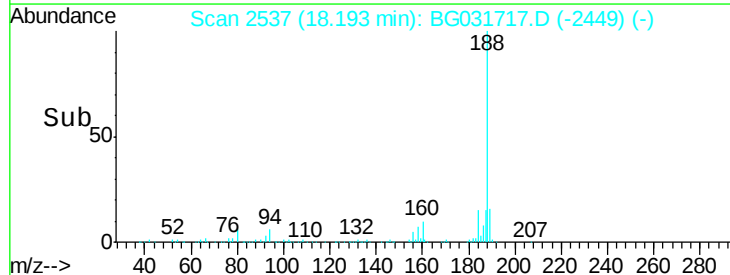
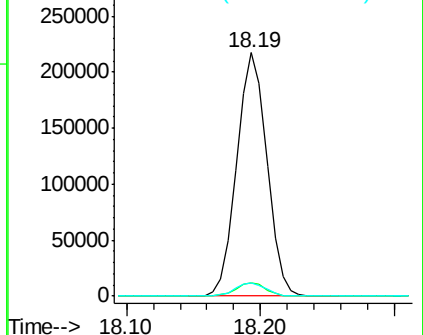
80 5.6 7.7 11.5#

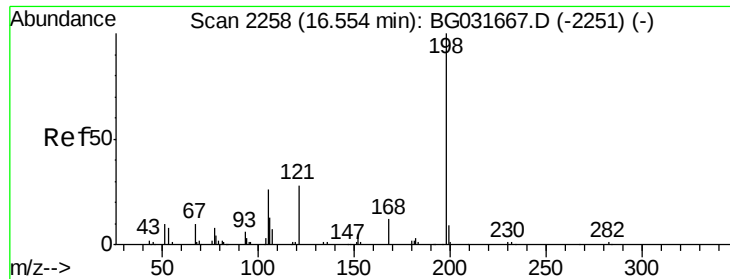


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

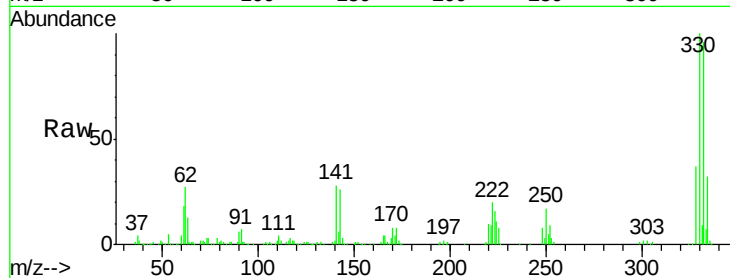




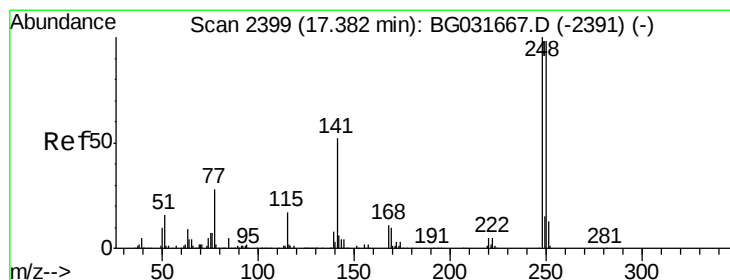
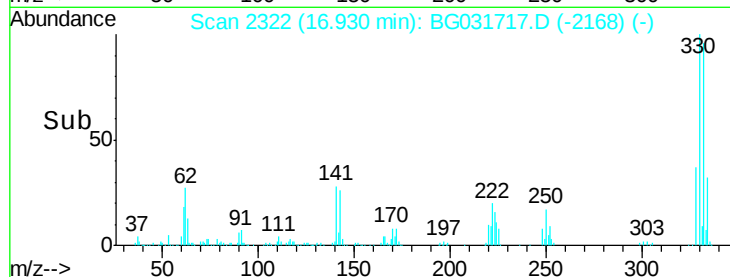
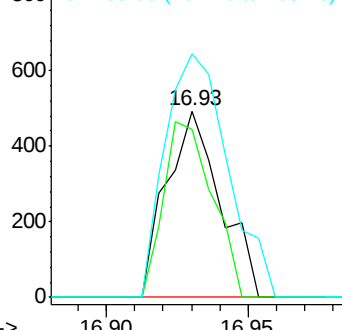
#64
4,6-Dinitro-2-methylphenol
Concen: 8.631 ng
RT: 16.93 min Scan# 2322
Delta R.T. 0.38 min
Lab File: BG031717.D
Acq: 22 Dec 2017 18:47

Instrument :
BNA_G
ClientSampleId :
EPE-106-3DS(60-62)

Tot Ion:198 Resp: 652
Ion Ratio Lower Upper
198 100
51 90.1 30.6 70.6#
105 130.6 23.8 63.8#

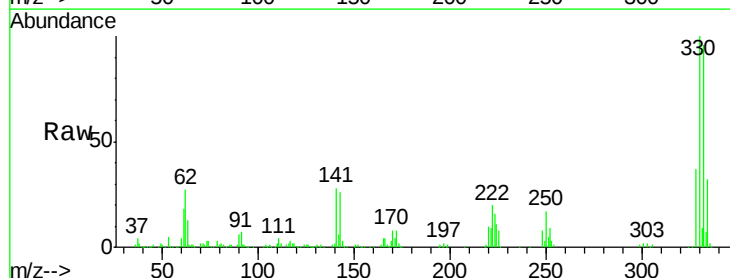


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

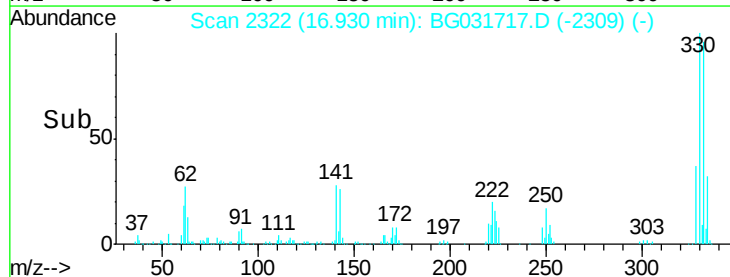
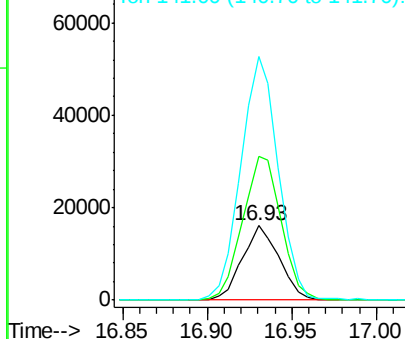


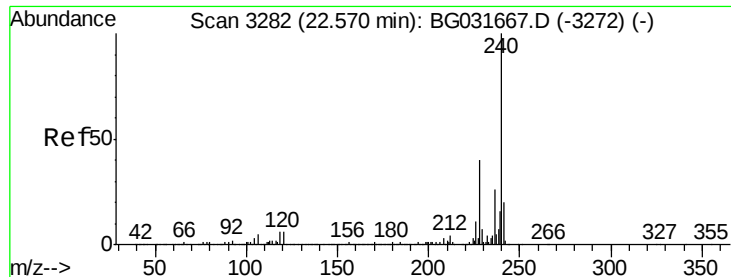
#66
4-Bromophenyl-phenylether
Concen: 4.992 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.45 min
Lab File: BG031717.D
Acq: 22 Dec 2017 18:47

Tgt Ion:248 Resp: 24564
Ion Ratio Lower Upper
248 100
250 194.6 77.1 115.7#
141 328.7 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: BG031717.D

Acq: 22 Dec 2017 18:47

Instrument :

BNA_G

ClientSampleId :

EPE-106-3DS(60-62)

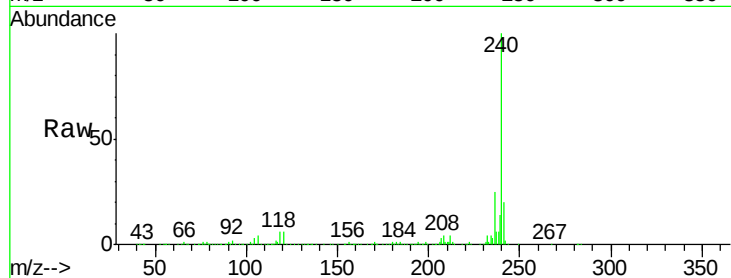
Tot Ion:240 Resp: 399830

Ion Ratio Lower Upper

240 100

120 5.8 6.8 10.2#

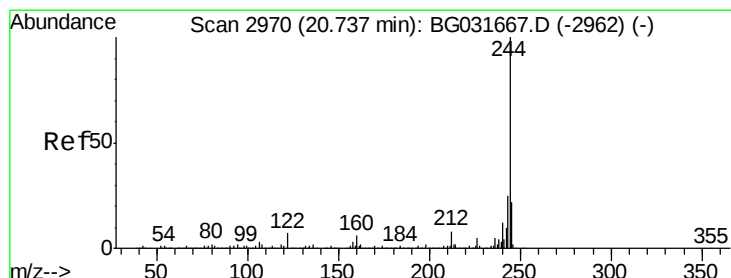
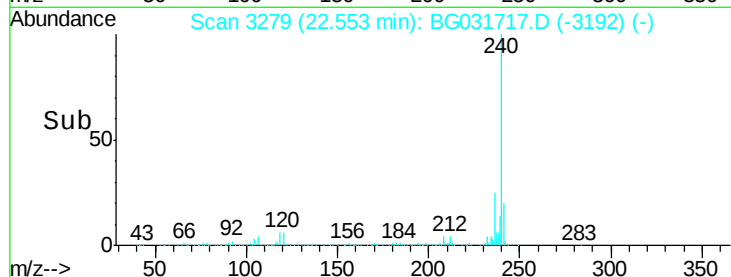
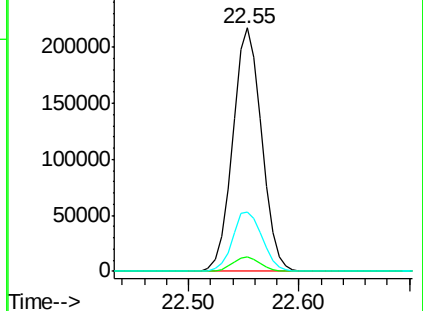
236 24.6 20.9 31.3



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: 87.346 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031717.D

Acq: 22 Dec 2017 18:47

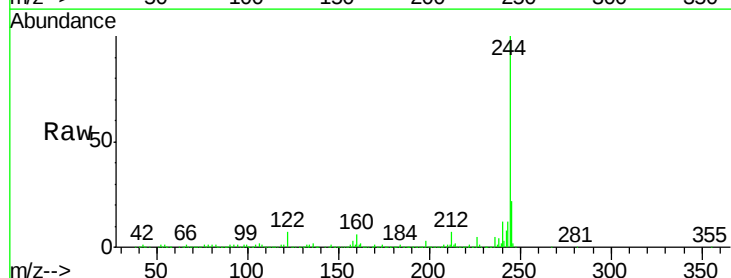
Tgt Ion:244 Resp: 1528621

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

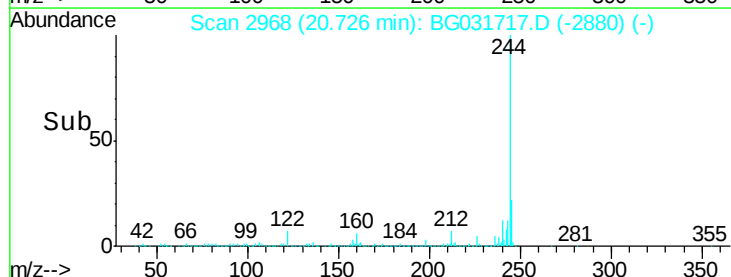
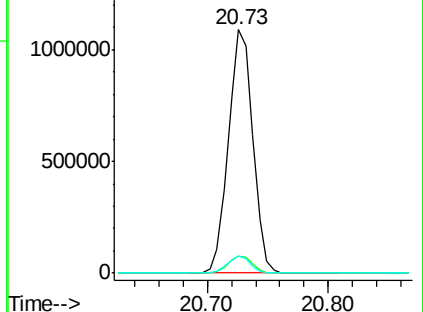
122 7.0 7.0 10.4#

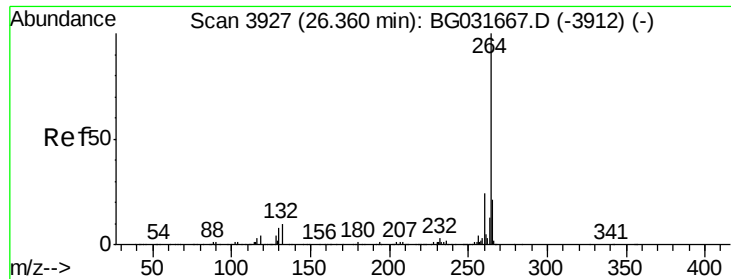


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

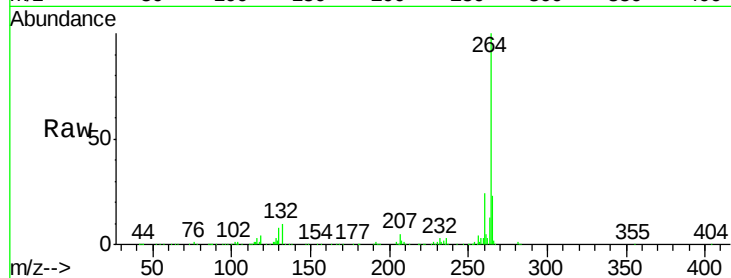




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.34 min Scan# 3923
 Delta R.T. -0.02 min
 Lab File: BG031717.D
 Acq: 22 Dec 2017 18:47

Instrument :
 BNA_G
 ClientSampleId :
 EPE-106-3DS(60-62)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	22.5	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

