

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122217\
 Data File : BG031719.D
 Acq On : 22 Dec 2017 20:03
 Operator : SJ/JU
 Sample : I7002-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EPE-106-3DS(72-74)

Quant Time: Dec 23 01:10:41 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

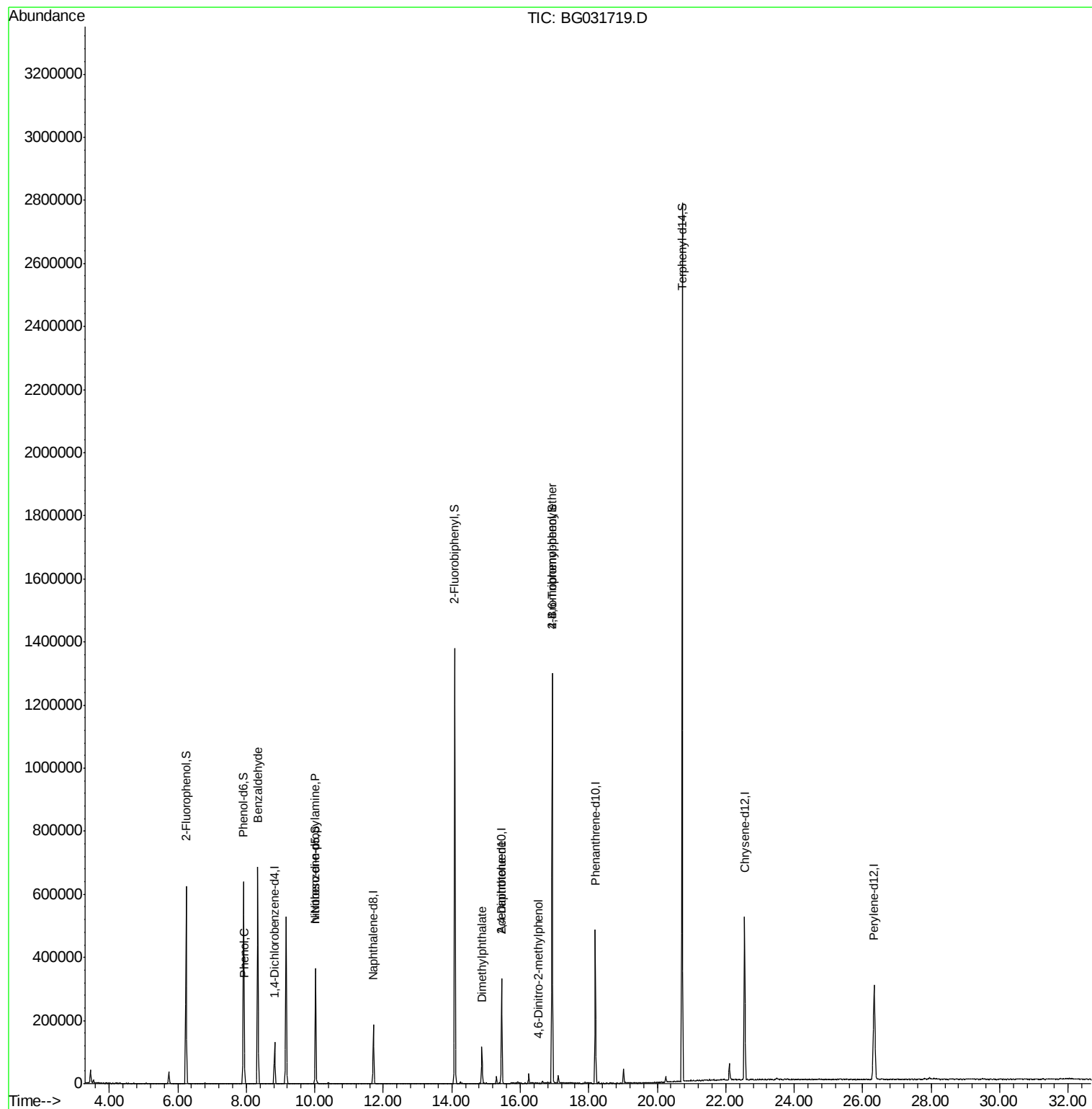
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	46282	20.00	ng	-0.01
21) Naphthalene-d8	11.71	136	186944	20.00	ng	-0.01
38) Acenaphthene-d10	15.46	164	132394	20.00	ng	-0.01
63) Phenanthrene-d10	18.19	188	338688	20.00	ng	-0.01
75) Chrysene-d12	22.55	240	401680	20.00	ng	-0.02
86) Perylene-d12	26.34	264	427158	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	352872	138.87	ng	0.00
7) Phenol-d6	7.92	99	454833	137.87	ng	0.00
23) Nitrobenzene-d5	10.02	82	235006	94.93	ng	-0.02
41) 2,4,6-Tribromophenol	16.93	330	309429	153.17	ng	-0.01
44) 2-Fluorobiphenyl	14.09	172	850452	80.63	ng	-0.01
78) Terphenyl-d14	20.73	244	1517544	86.31	ng	-0.01
Target Compounds						
9) Benzaldehyde	8.34	77	7575	3.813	ng	95
10) Phenol	7.95	94	15556	4.670	ng	86
19) n-Nitroso-di-n-propylamine	10.02	70	30986	13.753	ng	# 68
49) Dimethylphthalate	14.88	163	89569	7.679	ng	# 98
56) 2,4-Dinitrotoluene	15.46	165	17262	6.257	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.51	198	57	8.334	ng	# 29
66) 4-Bromophenyl-phenylether	16.93	248	24602	5.023	ng	# 1

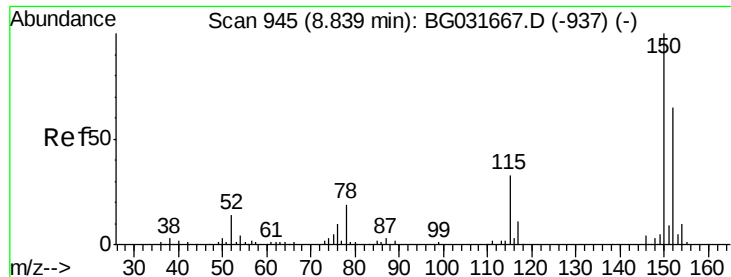
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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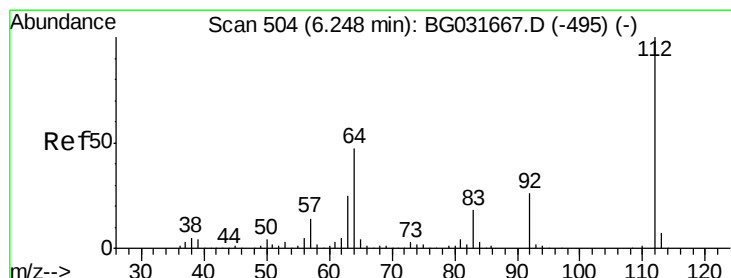
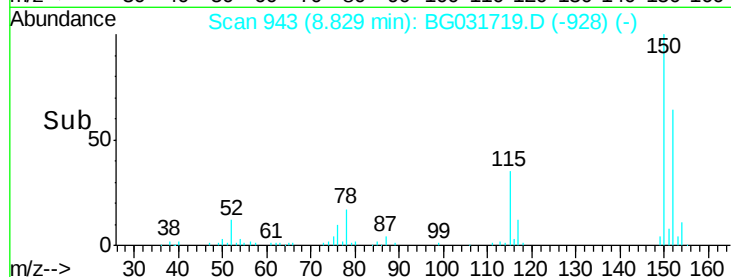
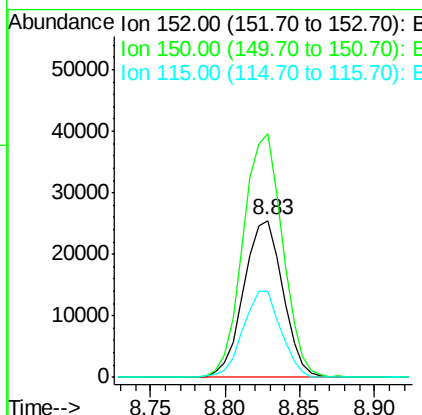
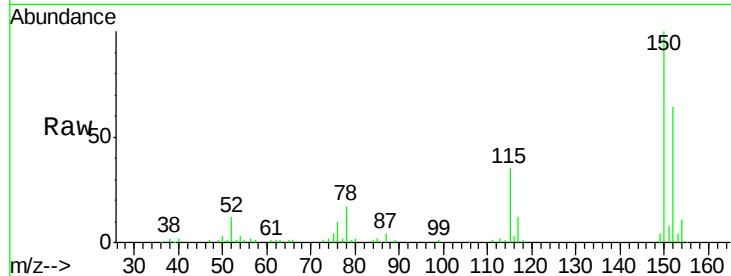


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.83 min Scan# 943
Delta R.T. -0.01 min
Lab File: BG031719.D
Acq: 22 Dec 2017 20:03

Instrument :
BNA_G
ClientSampleId :
EPE-106-3DS(72-74)

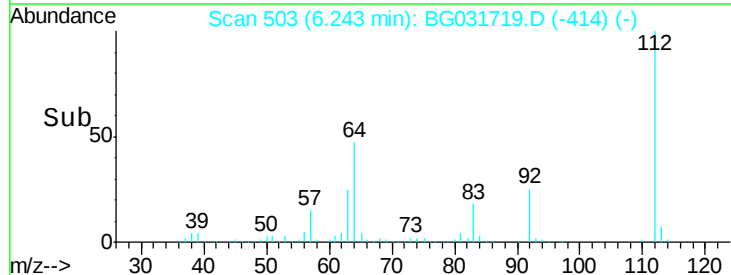
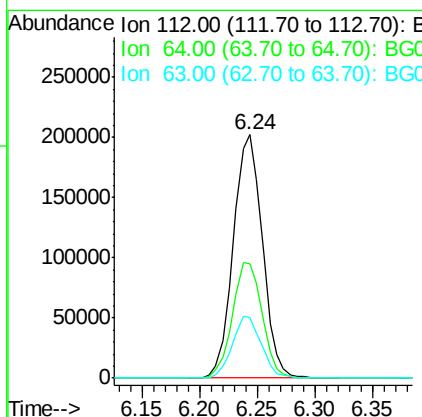
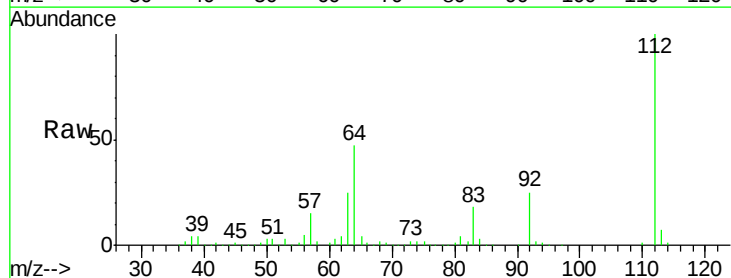
Tot Ion:152 Resp: 46282
Ion Ratio Lower Upper
152 100
150 155.5 126.6 189.8
115 54.7 53.0 79.4

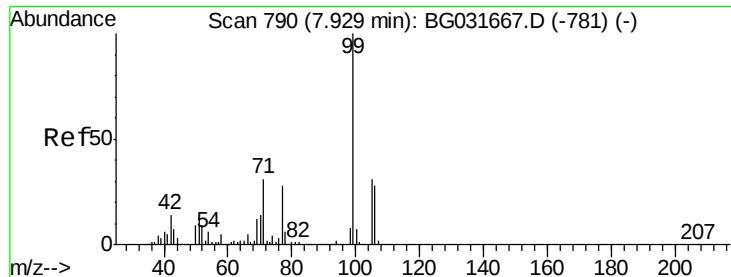


#5

2-Fluorophenol
Concen: 138.869 ng
RT: 6.24 min Scan# 503
Delta R.T. -0.00 min
Lab File: BG031719.D
Acq: 22 Dec 2017 20:03

Tgt Ion:112 Resp: 352872
Ion Ratio Lower Upper
112 100
64 47.0 56.3 84.5#
63 24.9 30.1 45.1#





#7

Phenol-d6

Concen: 137.866 ng

RT: 7.92 min Scan# 789

Delta R.T. -0.00 min

Lab File: BG031719.D

Acq: 22 Dec 2017 20:03

Instrument :

BNA_G

ClientSampleId :

EPE-106-3DS(72-74)

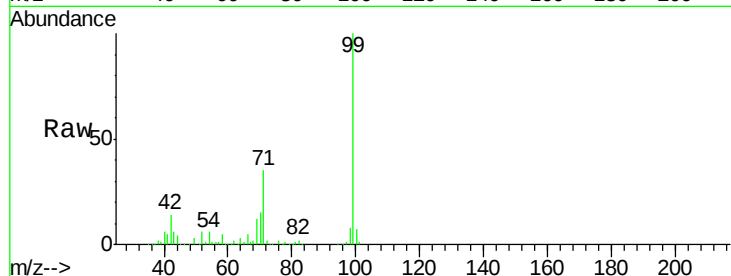
Tot Ion: 99 Resp: 454833

Ion Ratio Lower Upper

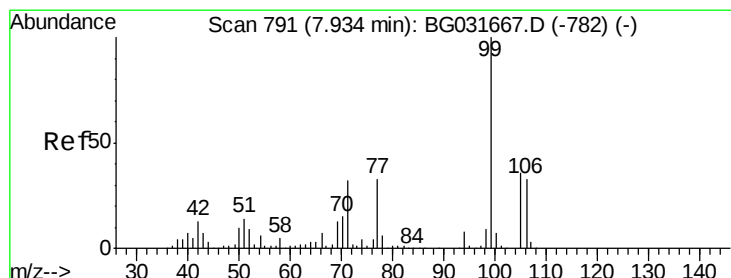
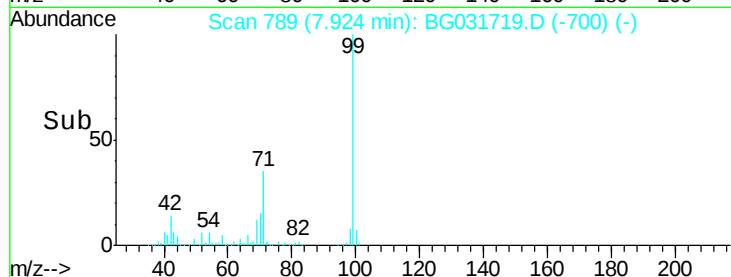
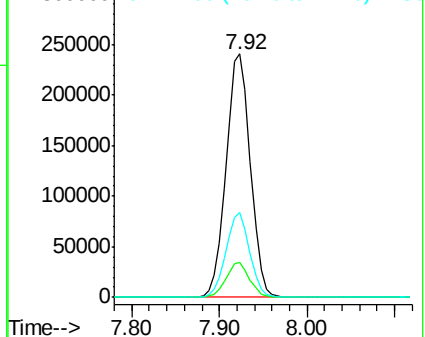
99 100

42 14.2 14.1 21.1

71 35.1 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: 3.813 ng

RT: 8.34 min Scan# 859

Delta R.T. 0.40 min

Lab File: BG031719.D

Acq: 22 Dec 2017 20:03

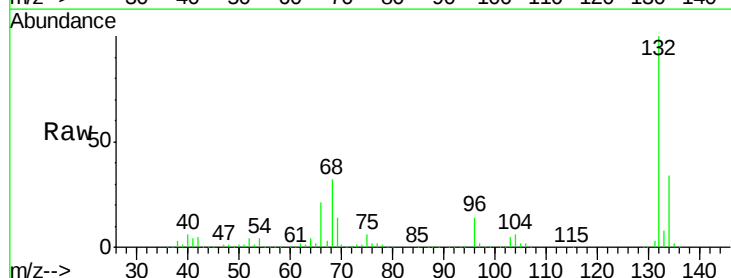
Tgt Ion: 77 Resp: 7575

Ion Ratio Lower Upper

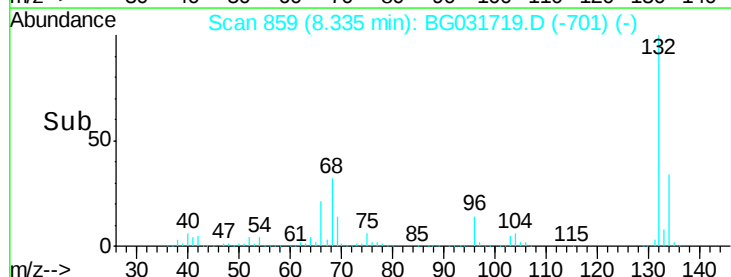
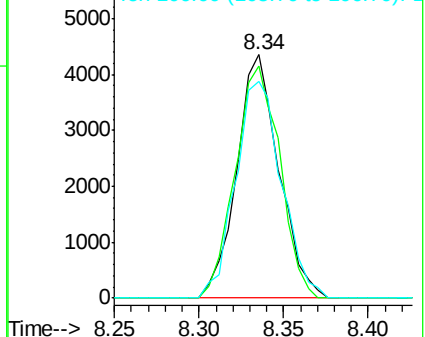
77 100

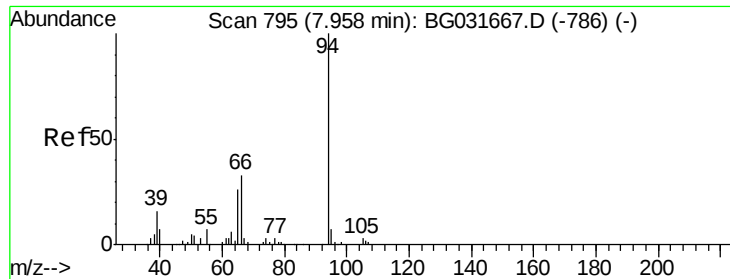
105 95.3 71.3 111.3

106 88.8 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: 4.670 ng

RT: 7.95 min Scan# 793

Delta R.T. -0.01 min

Lab File: BG031719.D

Acq: 22 Dec 2017 20:03

Instrument :

BNA_G

ClientSampleId :

EPE-106-3DS(72-74)

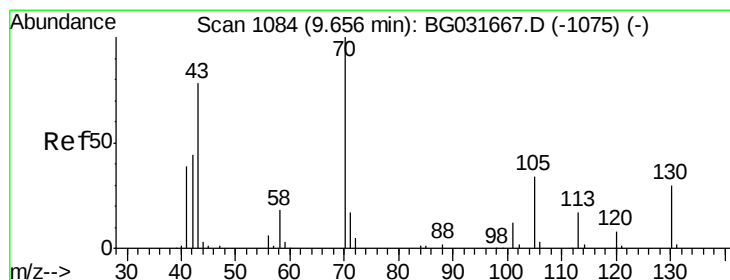
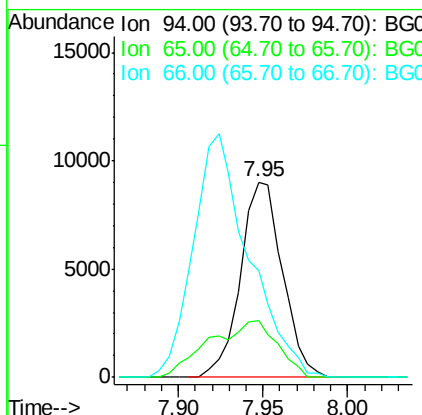
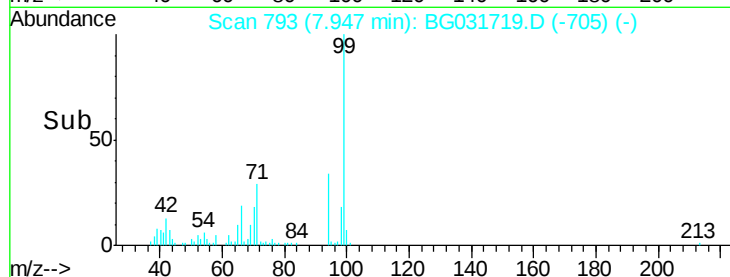
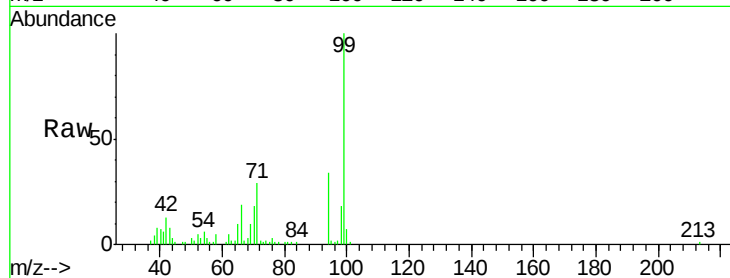
Tot Ion: 94 Resp: 15556

Ion Ratio Lower Upper

94 100

65 28.9 11.9 51.9

66 54.9 22.2 62.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.753 ng

RT: 10.02 min Scan# 1146

Delta R.T. 0.37 min

Lab File: BG031719.D

Acq: 22 Dec 2017 20:03

Tgt Ion: 70 Resp: 30986

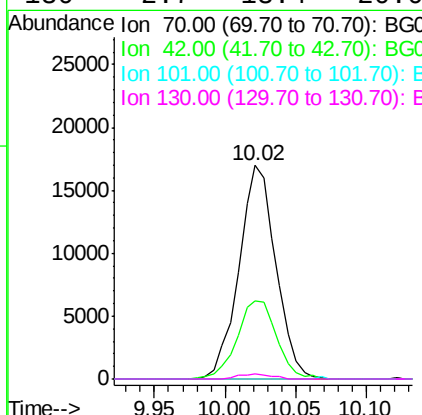
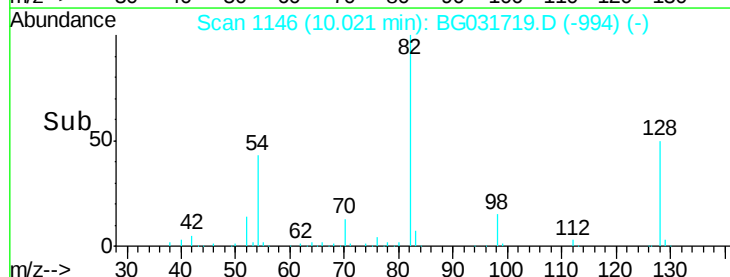
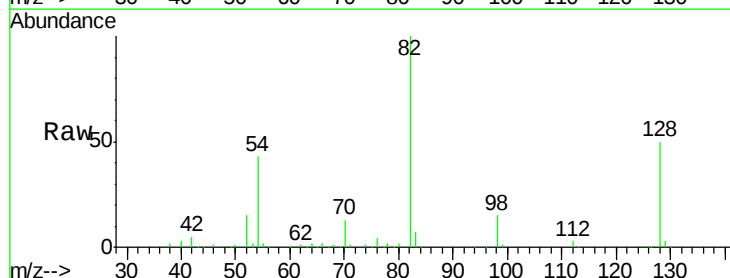
Ion Ratio Lower Upper

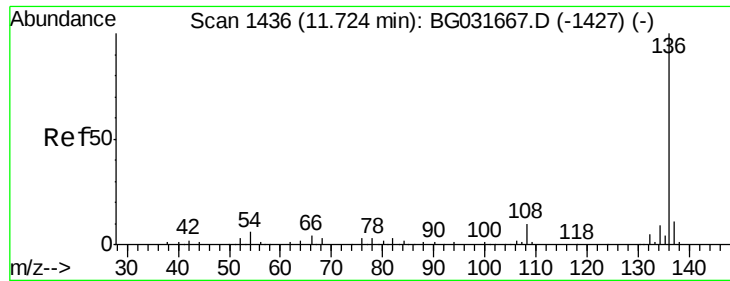
70 100

42 36.5 49.1 73.7#

101 0.0 8.5 12.7#

130 2.7 13.4 20.0#

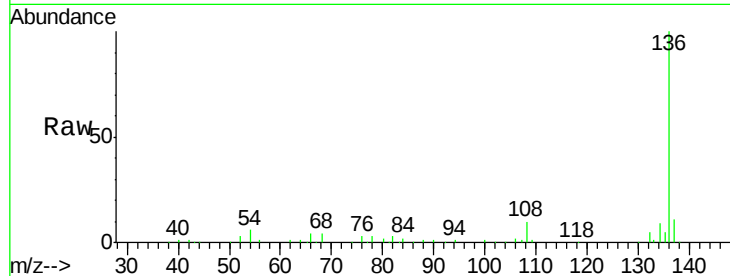




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.71 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BG031719.D
Acq: 22 Dec 2017 20:03

Instrument :
BNA_G
ClientSampleId :
EPE-106-3DS(72-74)

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	5.8	10.3	15.5#
68	4.0	4.5	6.7#



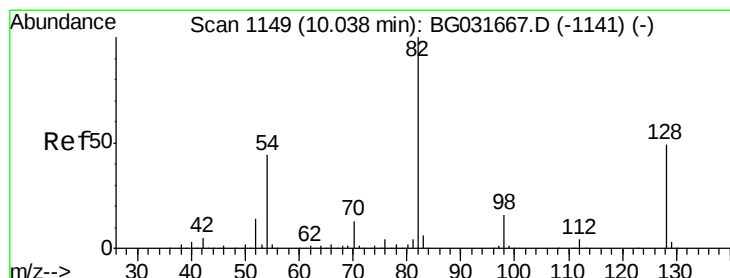
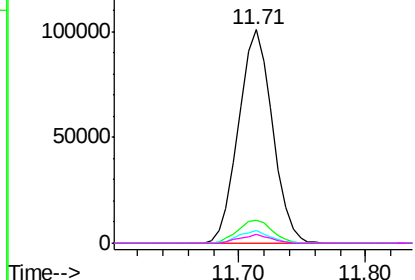
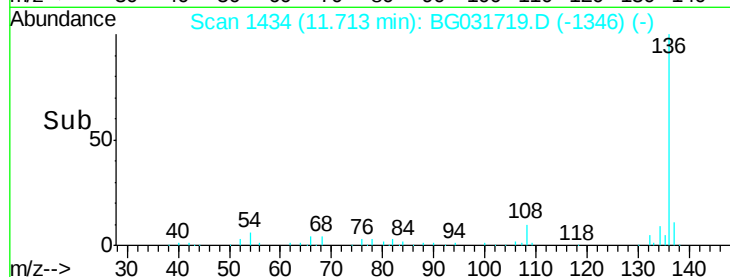
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

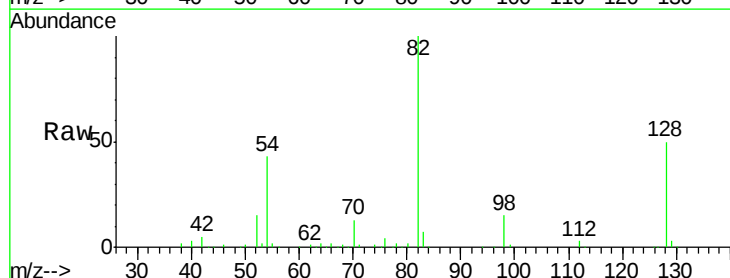
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 94.926 ng
RT: 10.02 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BG031719.D
Acq: 22 Dec 2017 20:03

Tgt Ion	Ratio	Lower	Upper
82	100		
128	50.1	29.7	44.5#
54	43.0	43.1	64.7#

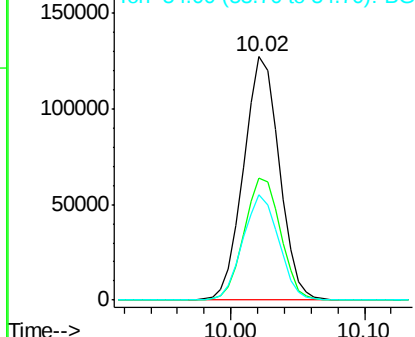
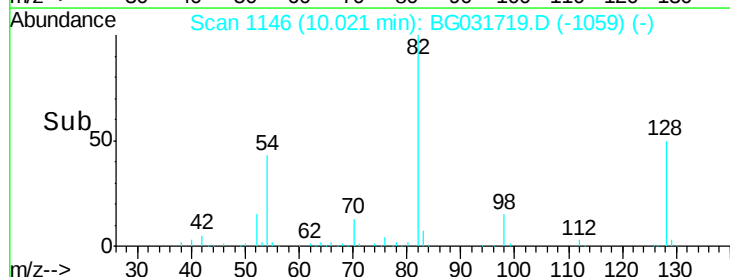


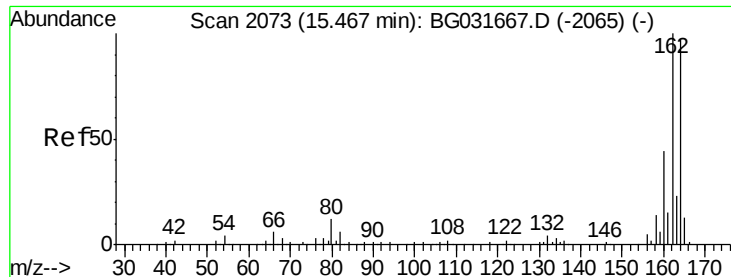
Abundance

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: BG031719.D

Acq: 22 Dec 2017 20:03

Instrument :

BNA_G

ClientSampleId :

EPE-106-3DS(72-74)

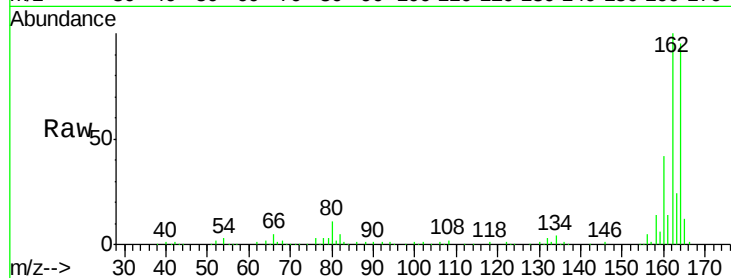
Tot Ion:164 Resp: 132394

Ion Ratio Lower Upper

164 100

162 104.9 78.8 118.2

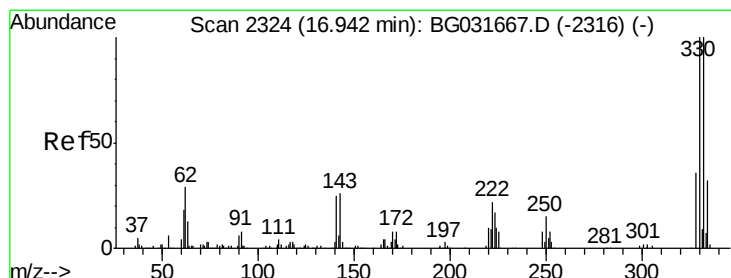
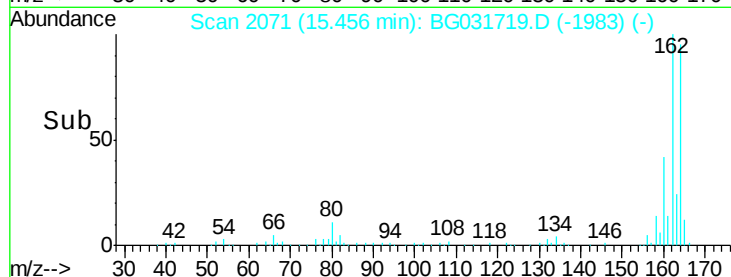
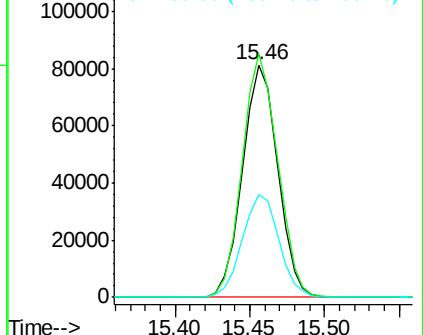
160 44.4 35.4 53.0



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: 153.171 ng

RT: 16.93 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BG031719.D

Acq: 22 Dec 2017 20:03

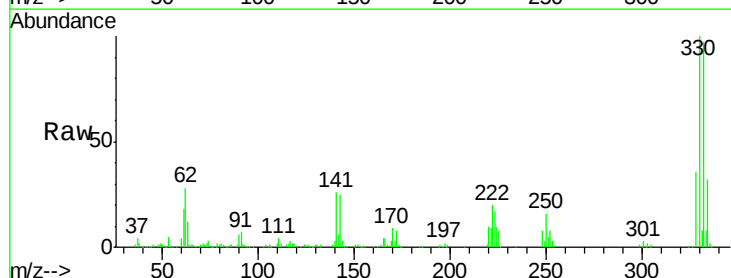
Tgt Ion:330 Resp: 309429

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

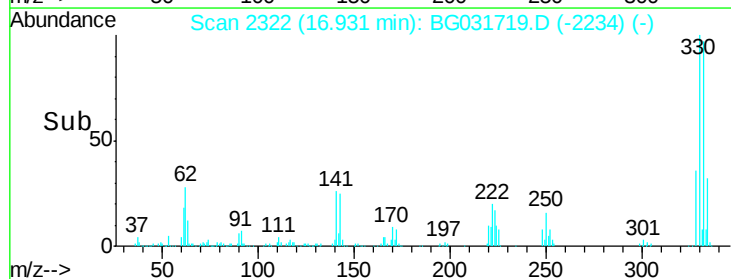
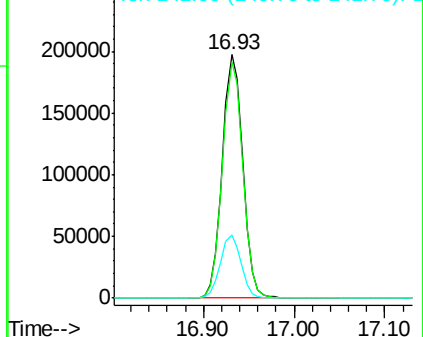
141 26.0 25.2 37.8

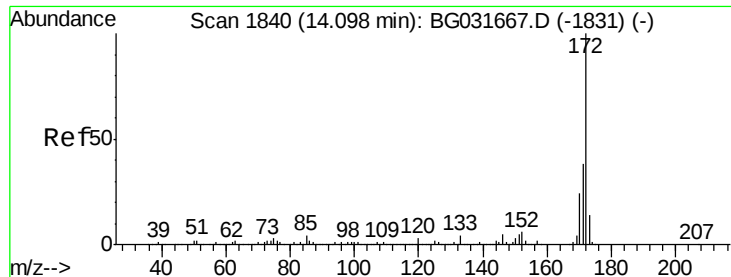


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

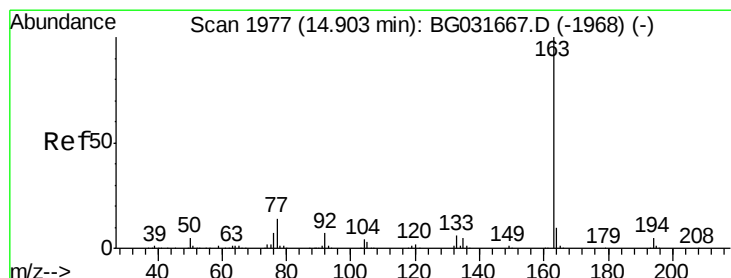
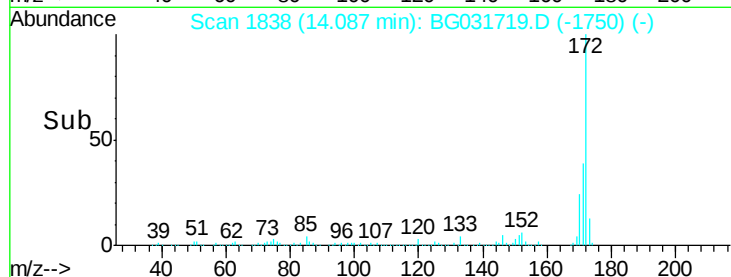
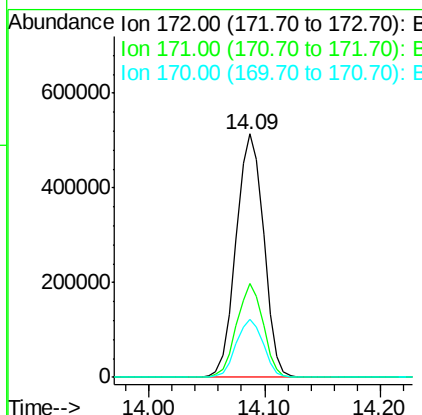
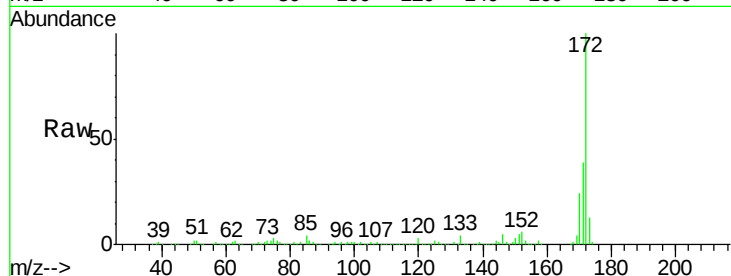




#44
2-Fluorobiphenyl
Concen: 80.625 ng
RT: 14.09 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BG031719.D
Acq: 22 Dec 2017 20:03

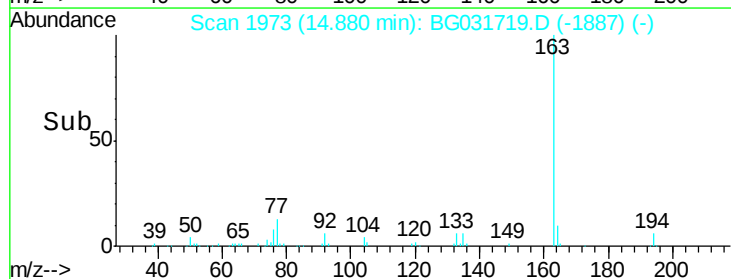
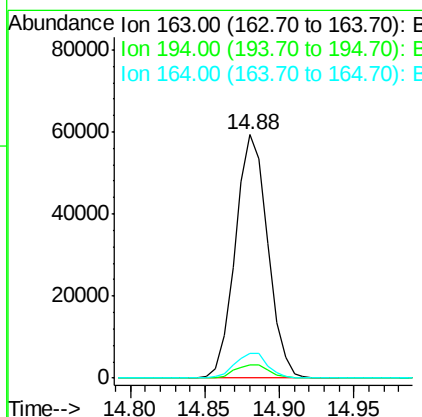
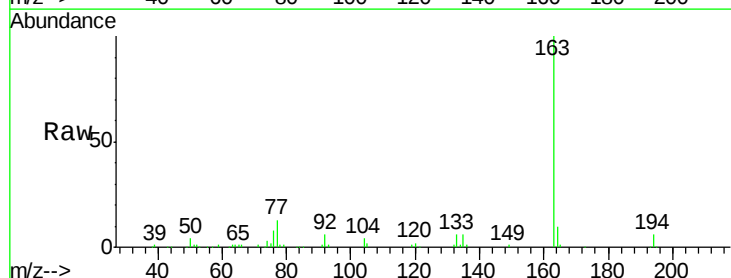
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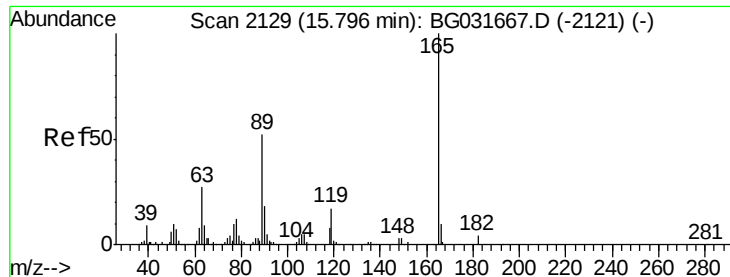
Tot Ion:172 Resp: 850452
Ion Ratio Lower Upper
172 100
171 38.6 30.0 45.0
170 23.7 19.5 29.3



#49
Dimethylphthalate
Concen: 7.679 ng
RT: 14.88 min Scan# 1973
Delta R.T. -0.02 min
Lab File: BG031719.D
Acq: 22 Dec 2017 20:03

Tgt Ion:163 Resp: 89569
Ion Ratio Lower Upper
163 100
194 5.6 3.4 5.2#
164 9.9 8.2 12.4





#56

2,4-Dinitrotoluene

Concen: 6.257 ng

RT: 15.46 min Scan# 2071

Delta R.T. -0.34 min

Lab File: BG031719.D

Acq: 22 Dec 2017 20:03

Instrument :

BNA_G

ClientSampleId :

EPE-106-3DS(72-74)

Tot Ion:165 Resp: 17262

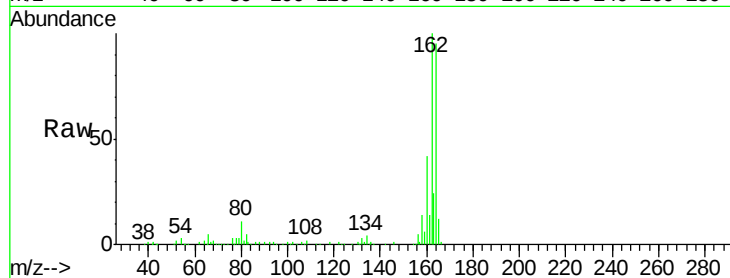
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

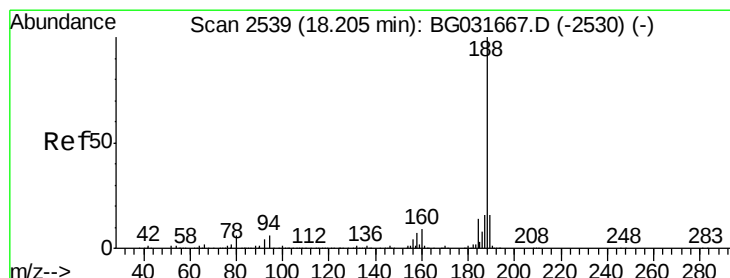
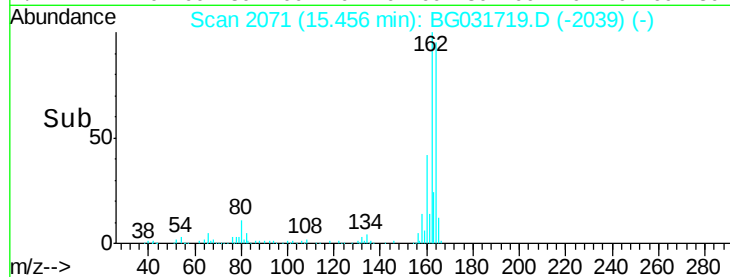
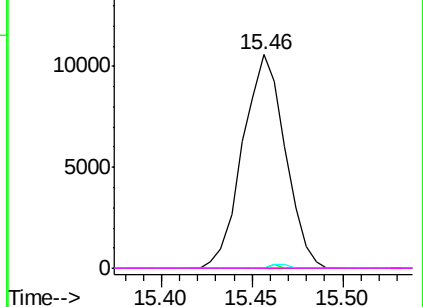


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG031719.D

Acq: 22 Dec 2017 20:03

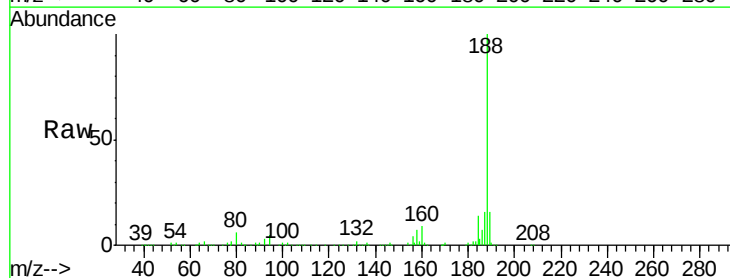
Tgt Ion:188 Resp: 338688

Ion Ratio Lower Upper

188 100

94 5.0 6.9 10.3#

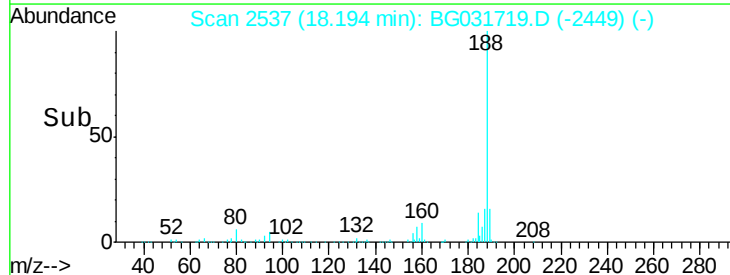
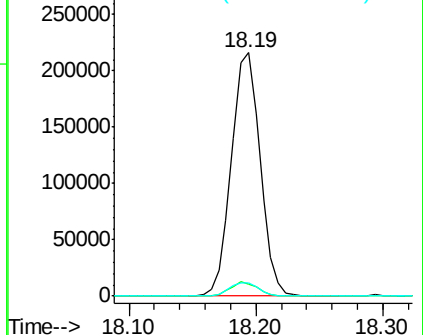
80 5.6 7.7 11.5#

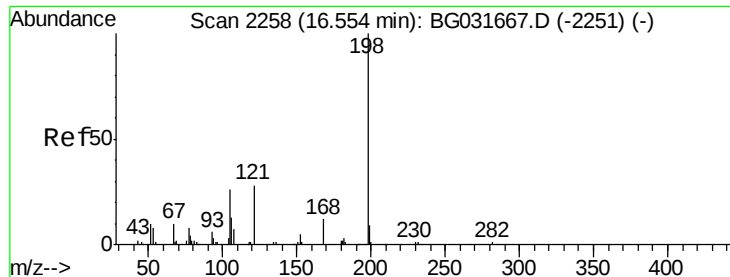


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.334 ng

RT: 16.51 min Scan# 2251

Delta R.T. -0.04 min

Lab File: BG031719.D

Acq: 22 Dec 2017 20:03

Instrument :

BNA_G

ClientSampleId :

EPE-106-3DS(72-74)

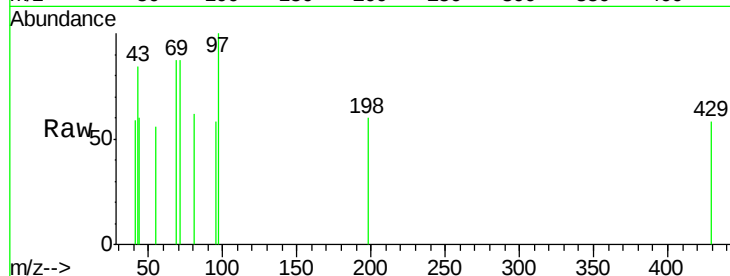
Tot Ion:198 Resp: 57

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

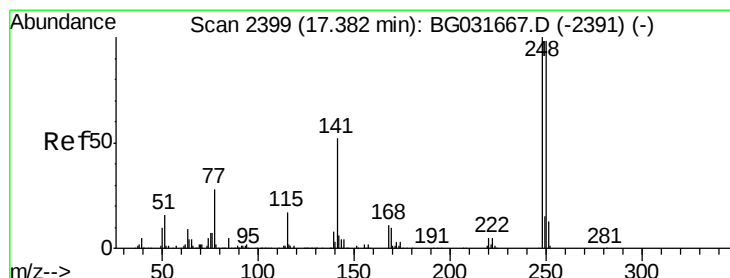
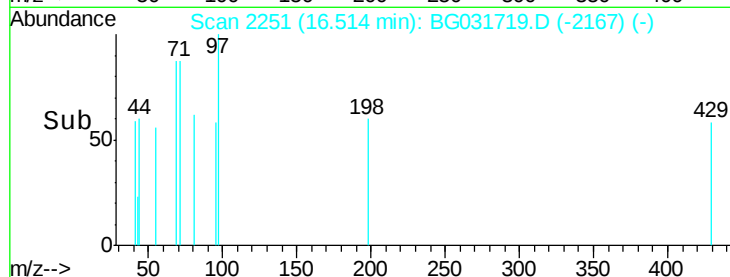
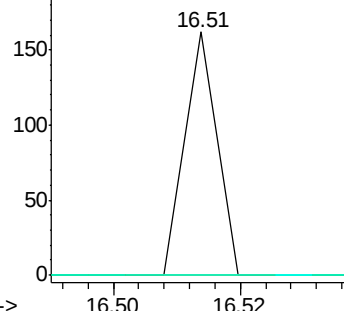
105 0.0 23.8 63.8#



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: 5.023 ng

RT: 16.93 min Scan# 2322

Delta R.T. -0.45 min

Lab File: BG031719.D

Acq: 22 Dec 2017 20:03

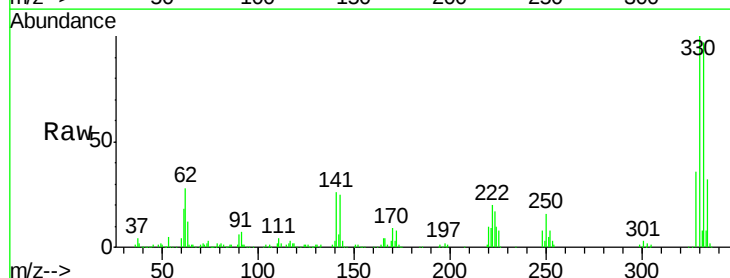
Tgt Ion:248 Resp: 24602

Ion Ratio Lower Upper

248 100

250 194.5 77.1 115.7#

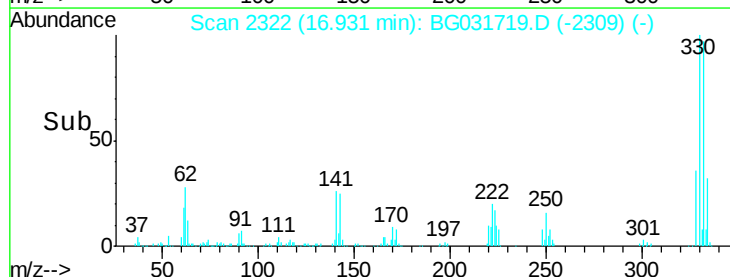
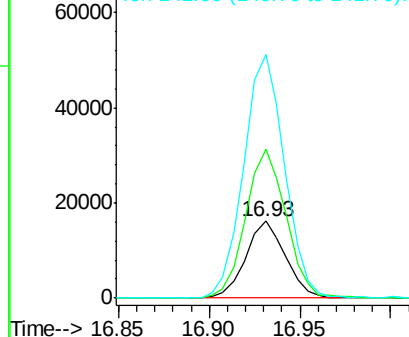
141 317.7 50.8 76.2#

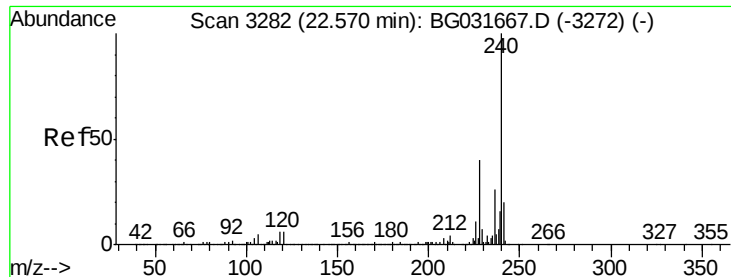


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3278

Delta R.T. -0.02 min

Lab File: BG031719.D

Acq: 22 Dec 2017 20:03

Instrument :

BNA_G

ClientSampleId :

EPE-106-3DS(72-74)

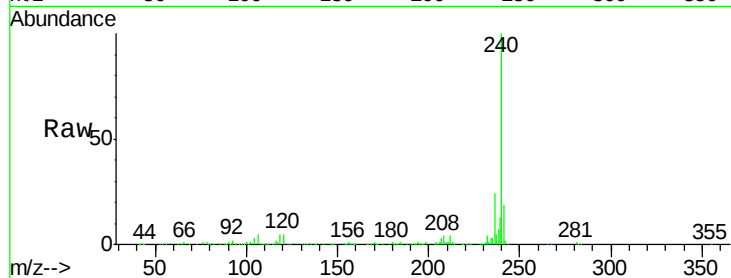
Tot Ion:240 Resp: 401680

Ion Ratio Lower Upper

240 100

120 5.0 6.8 10.2#

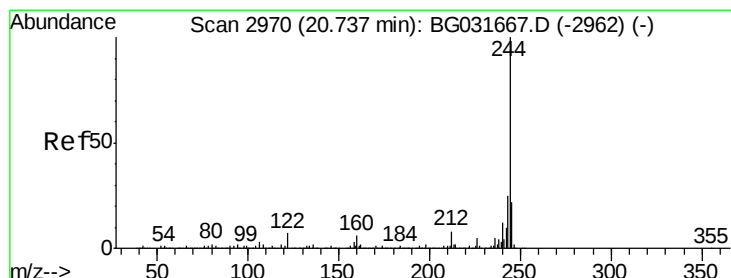
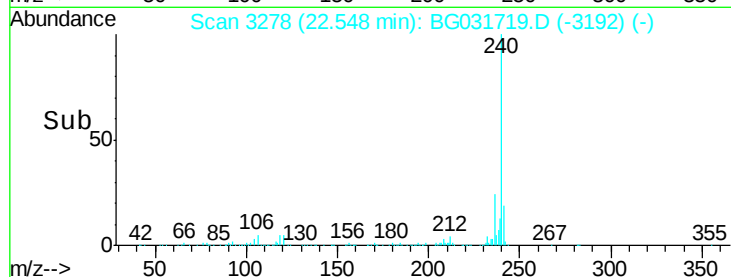
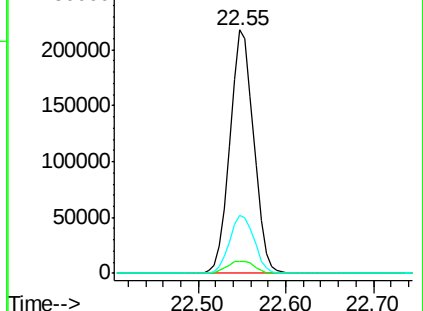
236 23.8 20.9 31.3



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: 86.314 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031719.D

Acq: 22 Dec 2017 20:03

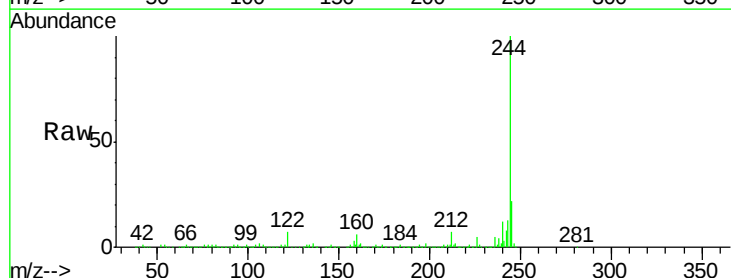
Tgt Ion:244 Resp: 1517544

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

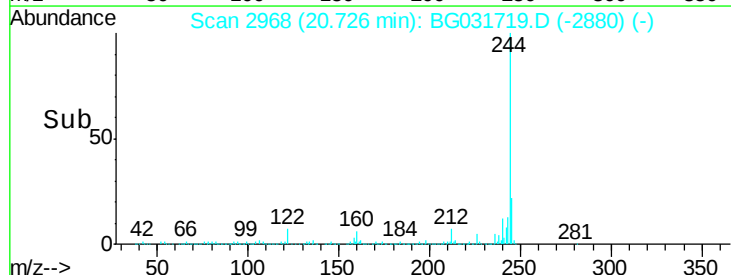
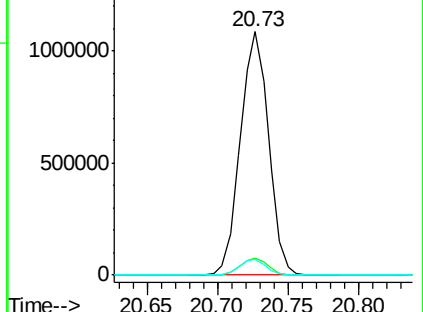
122 6.5 7.0 10.4#

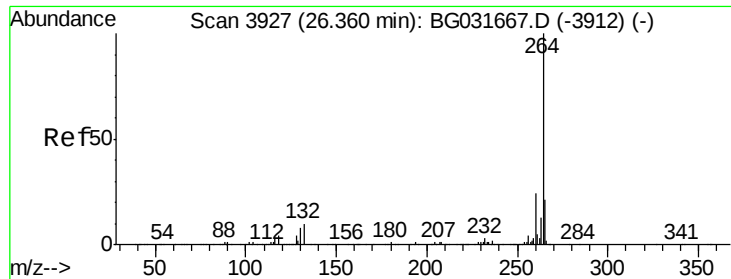


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

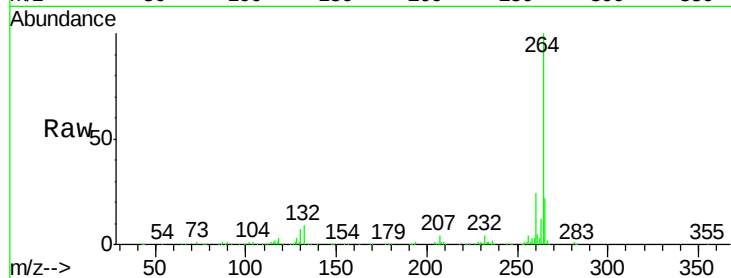




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.34 min Scan# 3923
Delta R.T. -0.02 min
Lab File: BG031719.D
Acq: 22 Dec 2017 20:03

Instrument :
BNA_G
ClientSampleId :
EPE-106-3DS(72-74)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	22.1	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

