

Data Path : U:\HPCHEM1\BNA G\DATA\BG010418\
 Data File : BG031928.D
 Acq On : 4 Jan 2018 23:06
 Operator : SJ/JU
 Sample : I7102-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 05 03:14:09 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 15:51:46 2017
 Response via : Initial Calibration

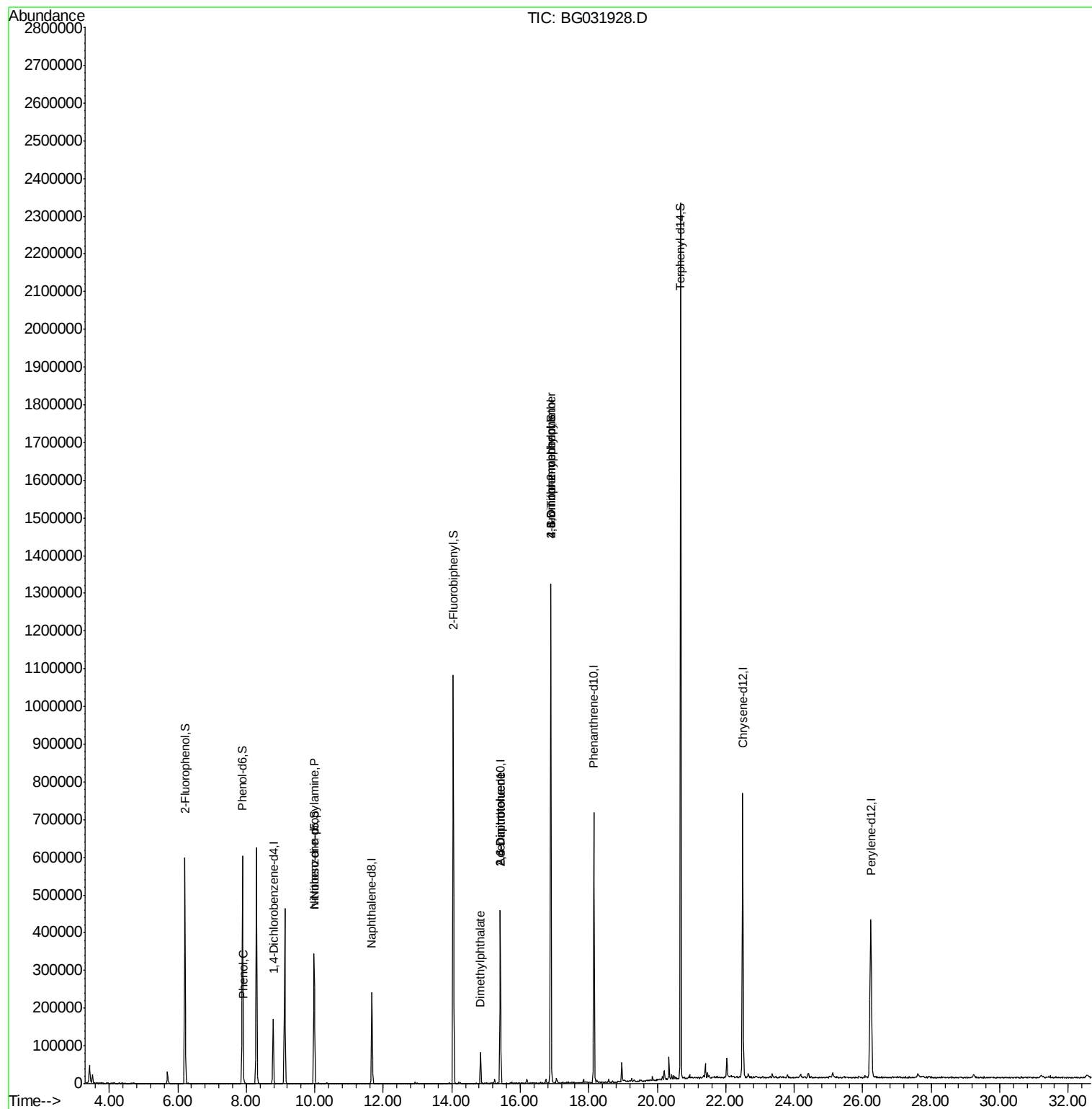
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.79	152	57238	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	243534	20.00	ng	-0.01
38) Acenaphthene-d10	15.42	164	181287	20.00	ng	-0.01
63) Phenanthrene-d10	18.15	188	494327	20.00	ng	0.00
75) Chrysene-d12	22.50	240	575164	20.00	ng	-0.01
86) Perylene-d12	26.23	264	567865	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	325245	103.50	ng	0.00
7) Phenol-d6	7.89	99	420200	102.99	ng	0.00
23) Nitrobenzene-d5	9.98	82	228553	70.87	ng	0.00
41) 2,4,6-Tribromophenol	16.89	330	304409	110.05	ng	0.00
44) 2-Fluorobiphenyl	14.05	172	667330	46.20	ng	0.00
78) Terphenyl-d14	20.69	244	1314062	52.20	ng	0.00
Target Compounds						
10) Phenol	7.92	94	15965	3.876	ng	97
19) n-Nitroso-di-n-propylamine	9.98	70	29225	10.488	ng	# 66
49) Dimethylphthalate	14.84	163	62467	3.911	ng	# 96
50) 2,6-Dinitrotoluene	15.42	165	22670	7.716	ng	# 20
56) 2,4-Dinitrotoluene	15.42	165	22670	6.001	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.90	198	776	8.573	ng	81
66) 4-Bromophenyl-phenylether	16.89	248	25040	3.503	ng	# 1

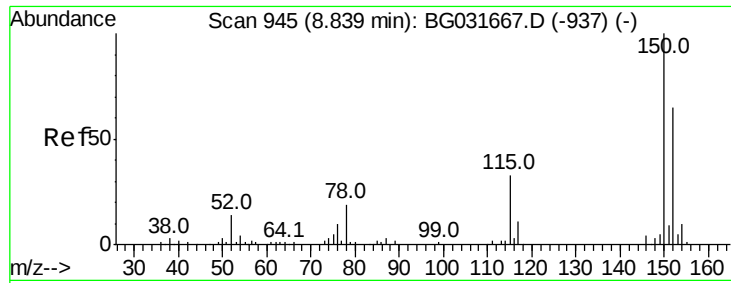
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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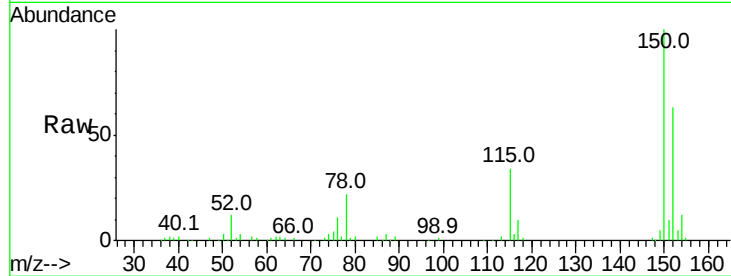


#1

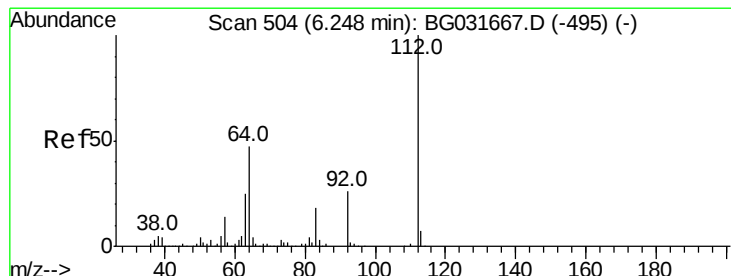
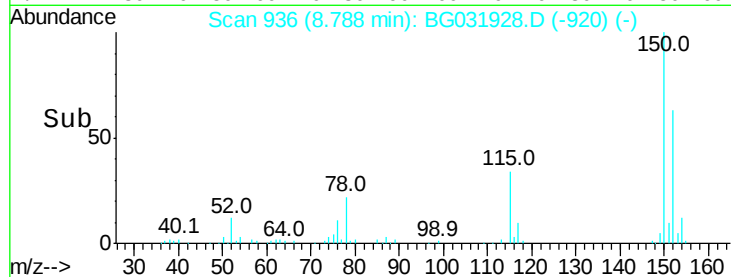
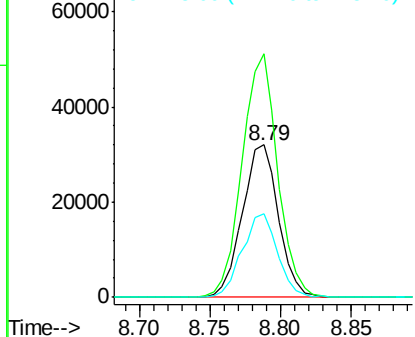
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.79 min Scan# 936
Delta R.T. -0.00 min
Lab File: BG031928.D
Acq: 4 Jan 2018 23:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 57238
Ion Ratio Lower Upper
152 100
150 159.9 126.6 189.8
115 55.0 53.0 79.4



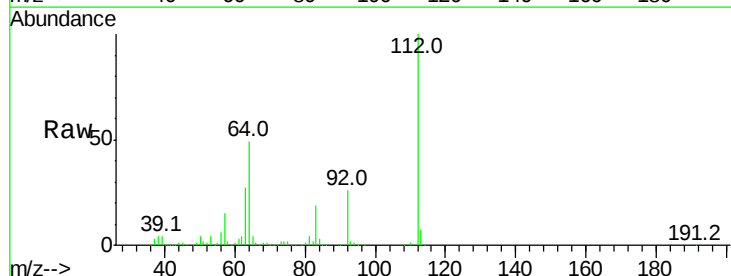
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



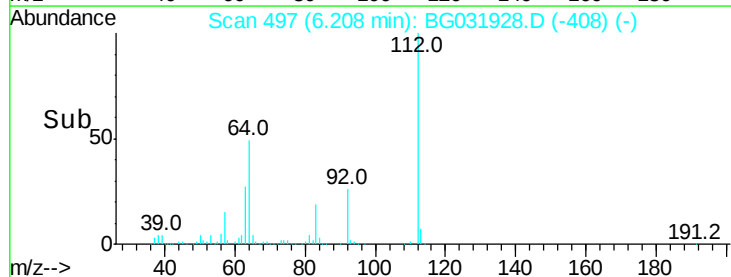
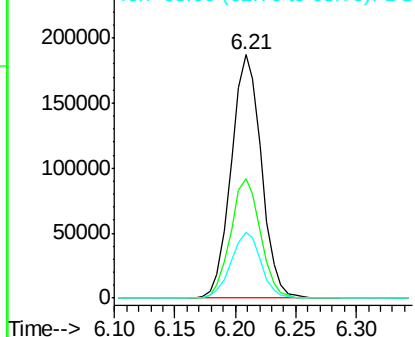
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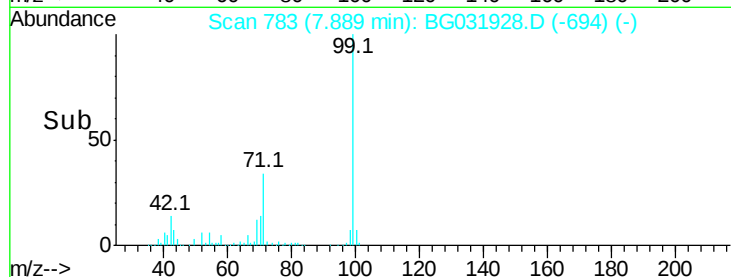
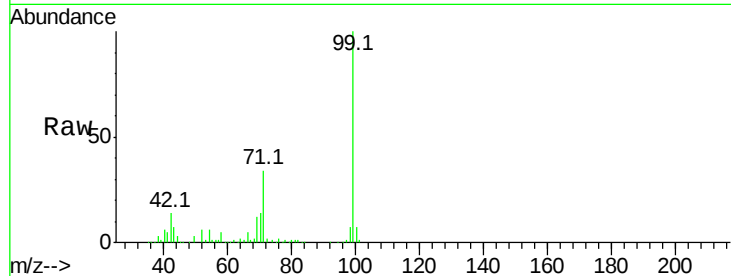
2-Fluorophenol
Concen: 103.497 ng
RT: 6.21 min Scan# 497
Delta R.T. -0.00 min
Lab File: BG031928.D
Acq: 4 Jan 2018 23:06

Tgt Ion:112 Resp: 325245
Ion Ratio Lower Upper
112 100
64 49.2 56.3 84.5#
63 26.9 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 102.988 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.00 min

Lab File: BG031928.D

Acq: 4 Jan 2018 23:06

Instrument :

BNA_G

ClientSampleId :

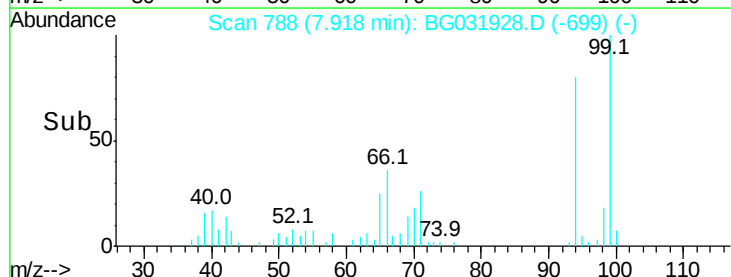
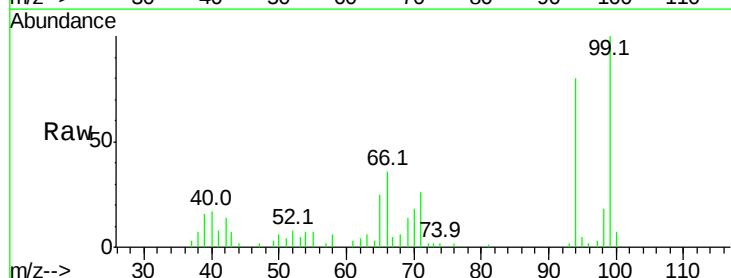
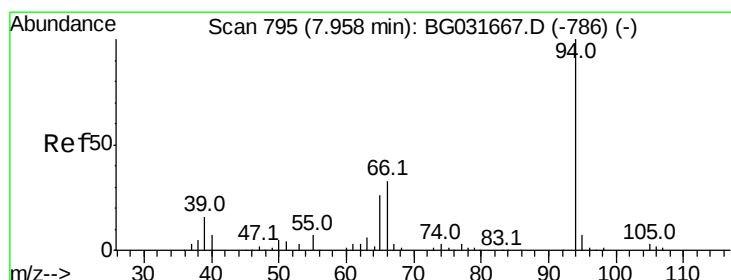
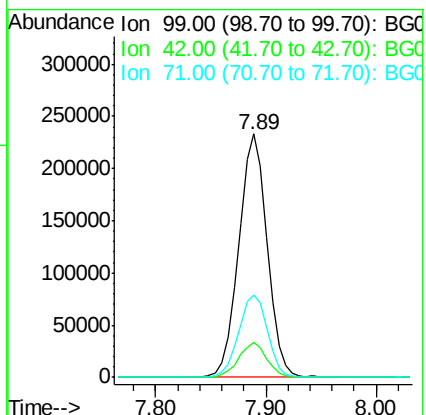
Tot Ion: 99 Resp: 420200

Ion Ratio Lower Upper

99 100

42 14.2 14.1 21.1

71 33.8 26.1 39.1



#10

Phenol

Concen: 3.876 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.00 min

Lab File: BG031928.D

Acq: 4 Jan 2018 23:06

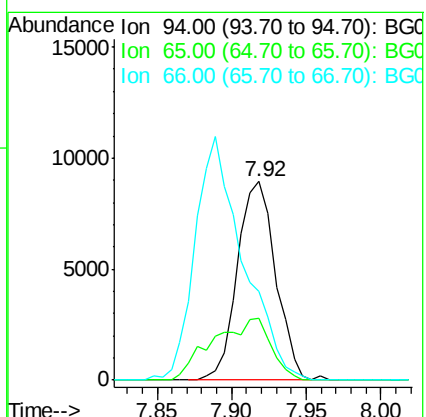
Tgt Ion: 94 Resp: 15965

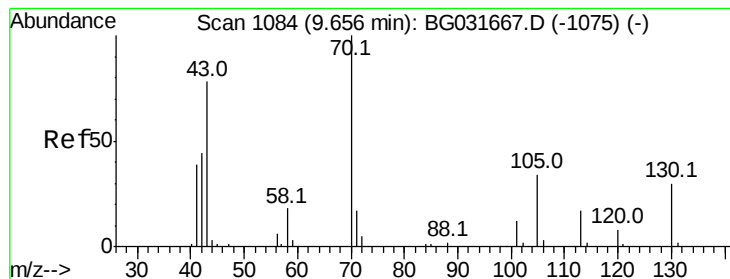
Ion Ratio Lower Upper

94 100

65 31.1 11.9 51.9

66 44.9 22.2 62.2





#19

n-Nitroso-di-n-propylamine

Concen: 10.488 ng

RT: 9.98 min Scan# 1139

Delta R.T. 0.38 min

Lab File: BG031928.D

Acq: 4 Jan 2018 23:06

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 29225

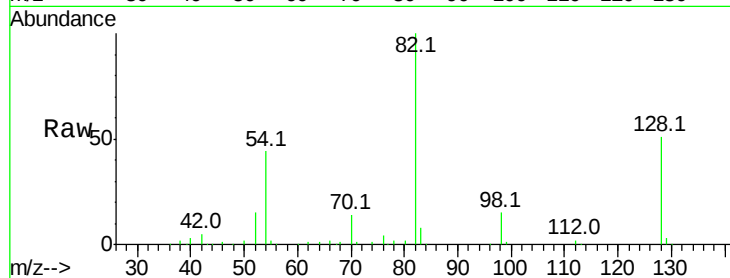
Ion Ratio Lower Upper

70 100

42 34.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.4 13.4 20.0#

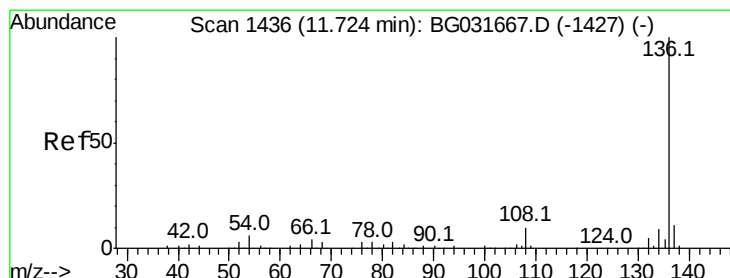
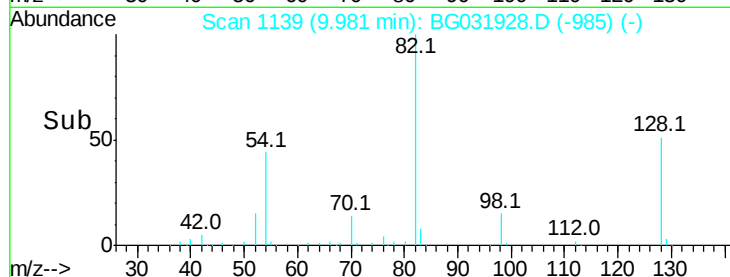
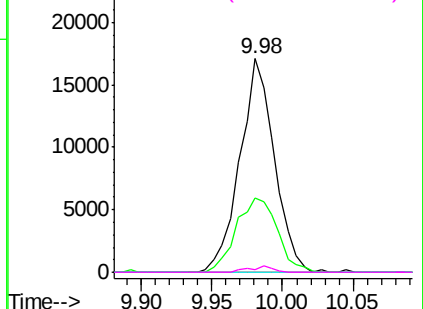


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.67 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BG031928.D

Acq: 4 Jan 2018 23:06

Tgt Ion: 136 Resp: 243534

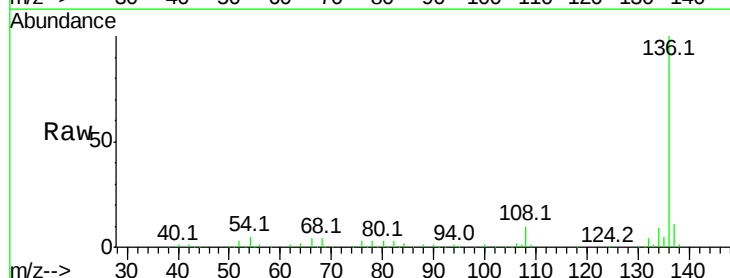
Ion Ratio Lower Upper

136 100

137 10.8 9.2 13.8

54 4.7 10.3 15.5#

68 4.3 4.5 6.7#

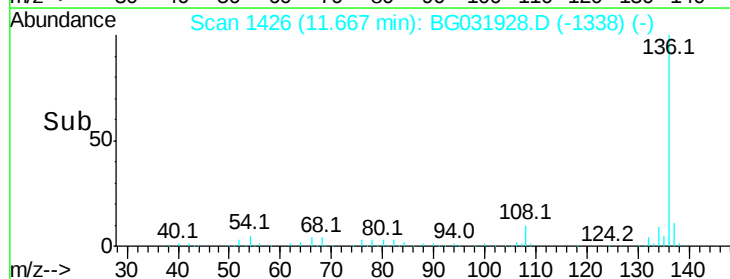
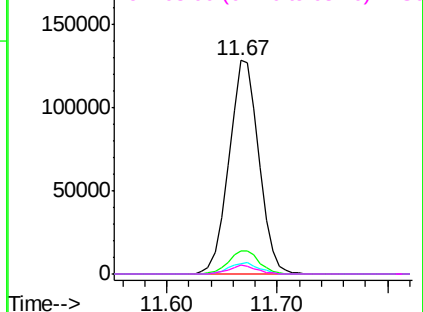


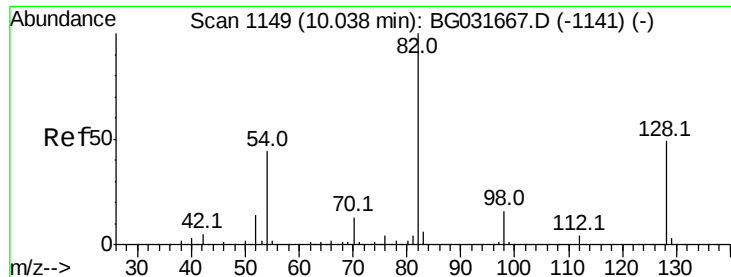
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

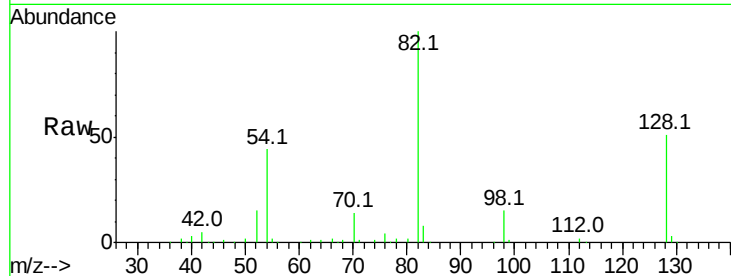




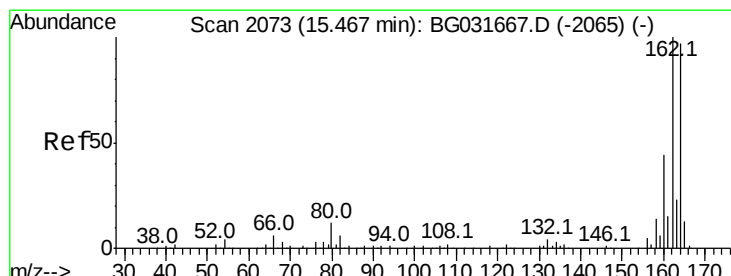
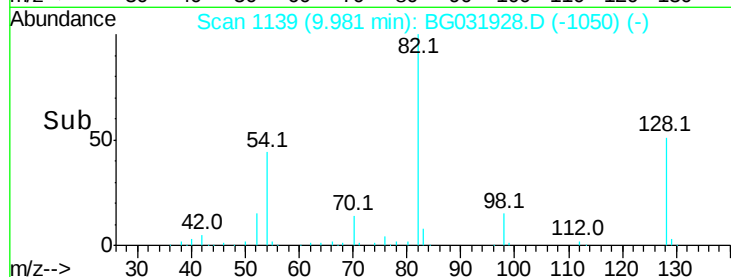
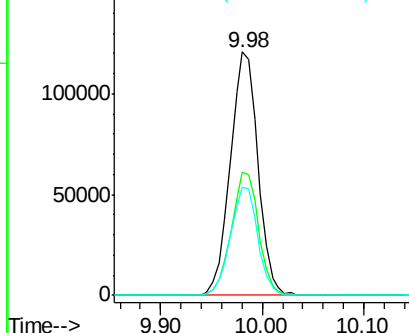
#23
Nitrobenzene-d5
Concen: 70.867 ng
RT: 9.98 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BG031928.D
Acq: 4 Jan 2018 23:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 228553
Ion Ratio Lower Upper
82 100
128 50.5 29.7 44.5#
54 44.4 43.1 64.7

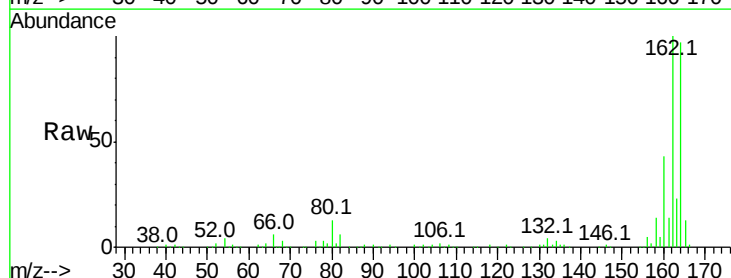


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

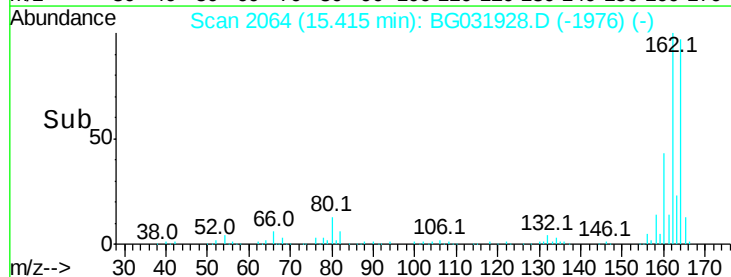
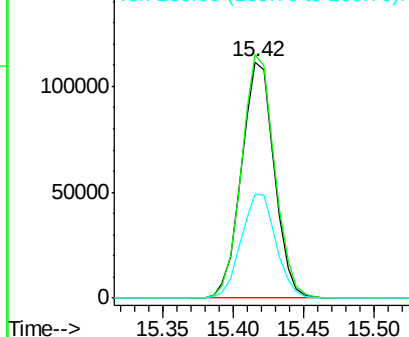


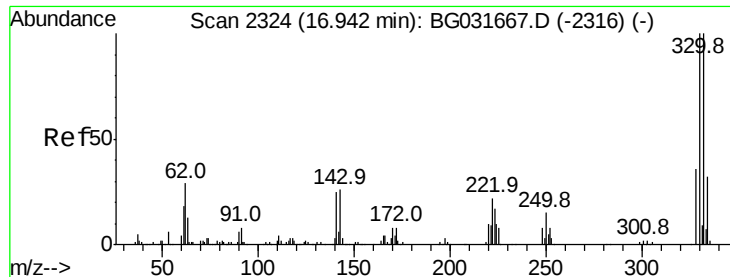
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.42 min Scan# 2064
Delta R.T. -0.01 min
Lab File: BG031928.D
Acq: 4 Jan 2018 23:06

Tgt Ion:164 Resp: 181287
Ion Ratio Lower Upper
164 100
162 103.0 78.8 118.2
160 44.3 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: 110.046 ng

RT: 16.89 min Scan# 2315

Delta R.T. -0.00 min

Lab File: BG031928.D

Acq: 4 Jan 2018 23:06

Instrument :

BNA_G

ClientSampleId :

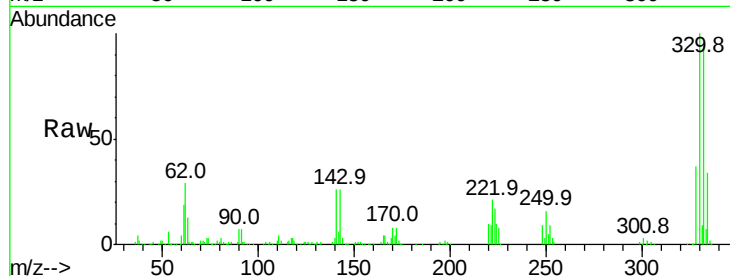
Tot Ion:330 Resp: 304409

Ion Ratio Lower Upper

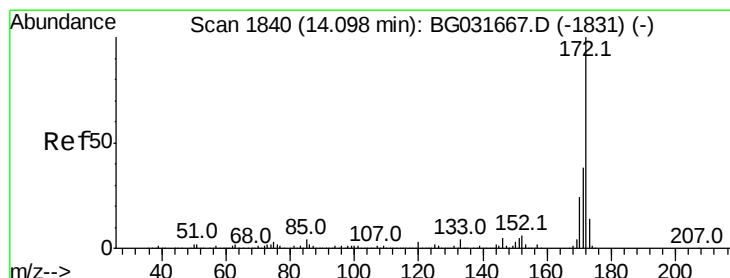
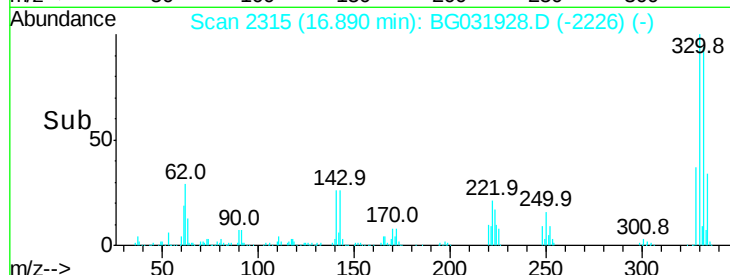
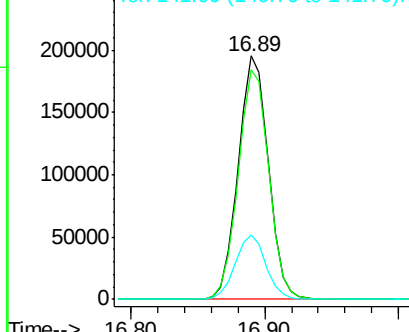
330 100

332 95.9 77.0 115.6

141 26.9 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: 46.202 ng

RT: 14.05 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BG031928.D

Acq: 4 Jan 2018 23:06

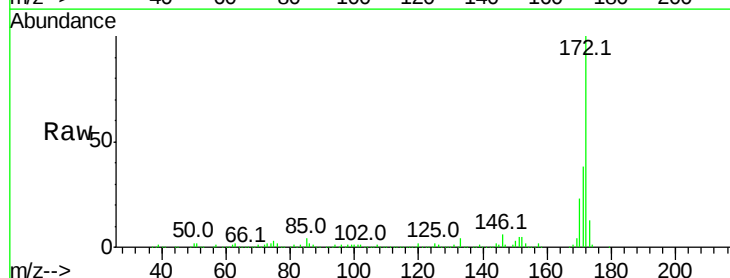
Tgt Ion:172 Resp: 667330

Ion Ratio Lower Upper

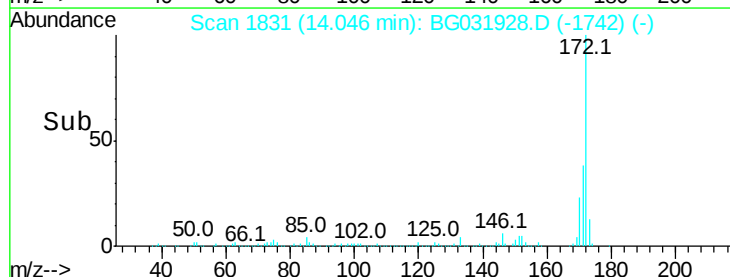
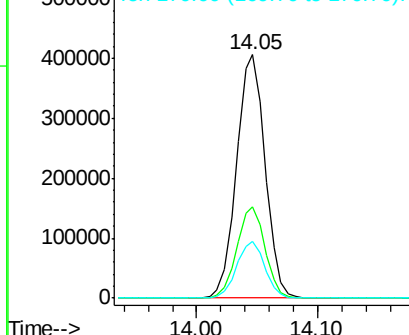
172 100

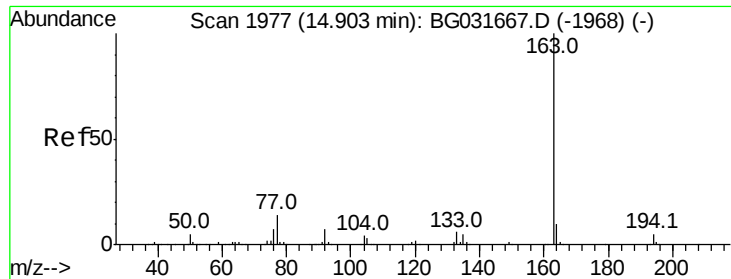
171 37.7 30.0 45.0

170 23.4 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

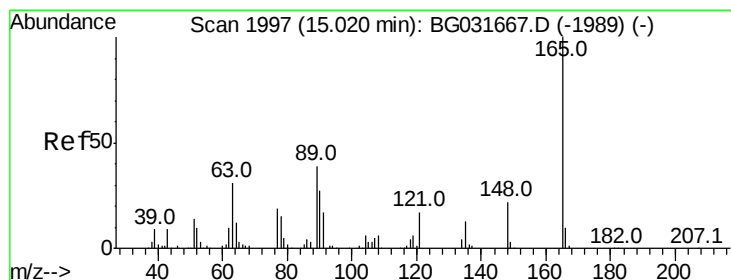
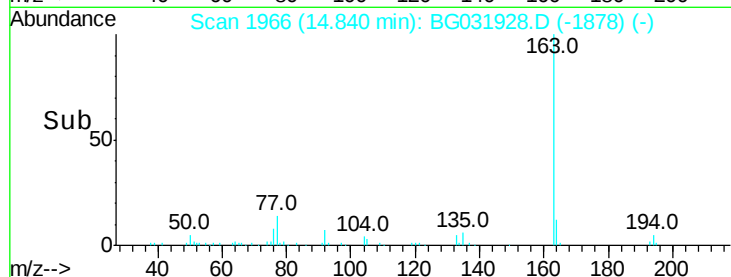
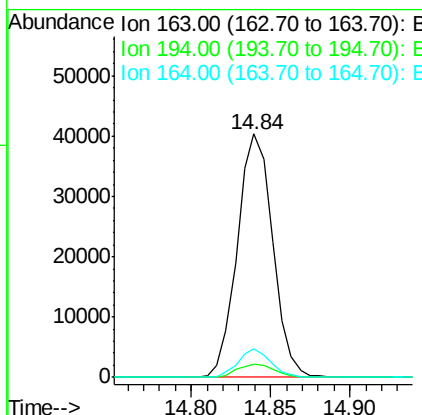
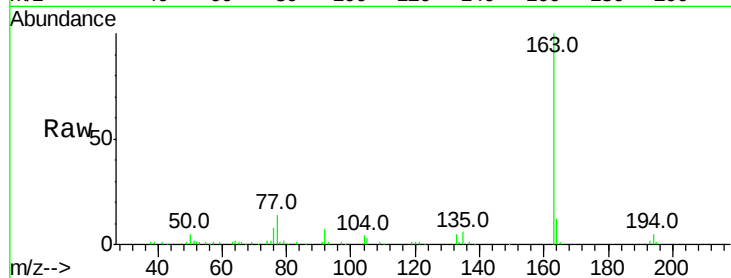




#49
Dimethylphthalate
Concen: 3.911 ng
RT: 14.84 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BG031928.D
Acq: 4 Jan 2018 23:06

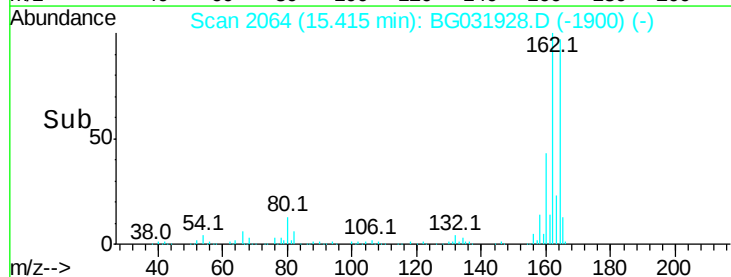
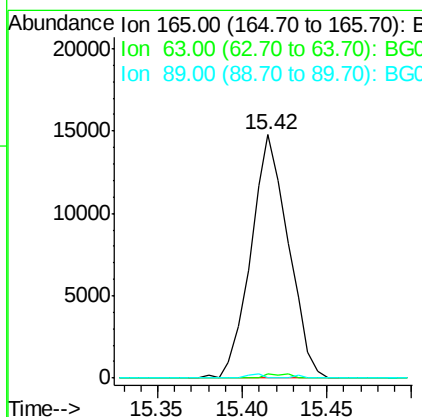
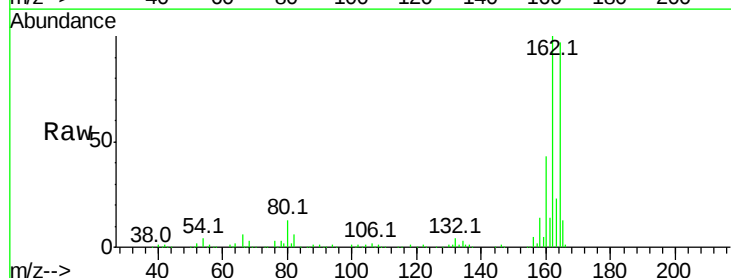
Instrument :
BNA_G
ClientSampled :

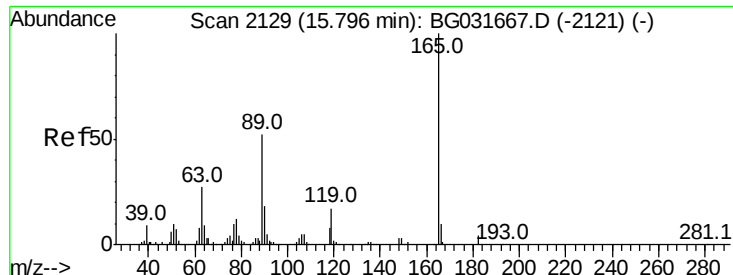
Tot Ion:163 Resp: 62467
Ion Ratio Lower Upper
163 100
194 5.3 3.4 5.2#
164 12.0 8.2 12.4



#50
2,6-Dinitrotoluene
Concen: 7.716 ng
RT: 15.42 min Scan# 2064
Delta R.T. 0.44 min
Lab File: BG031928.D
Acq: 4 Jan 2018 23:06

Tgt Ion:165 Resp: 22670
Ion Ratio Lower Upper
165 100
63 1.9 52.7 79.1#
89 0.0 49.2 73.8#

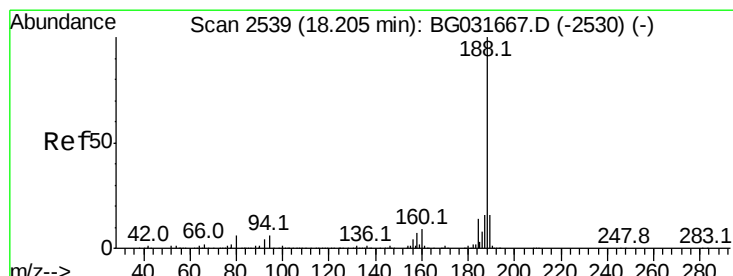
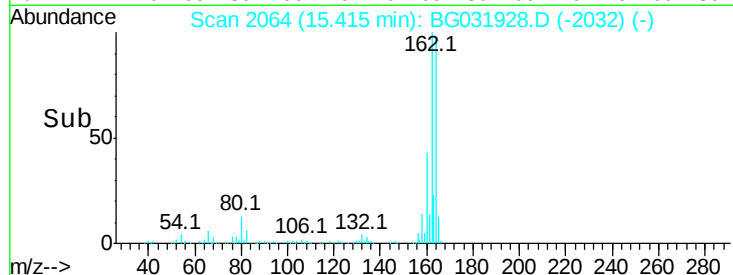
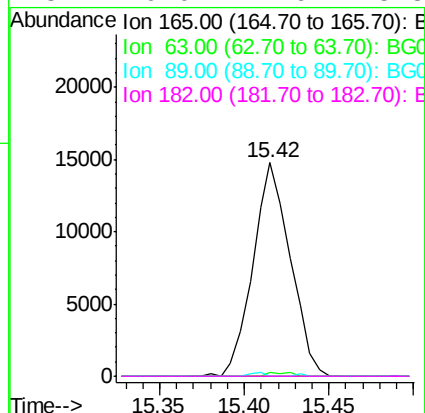
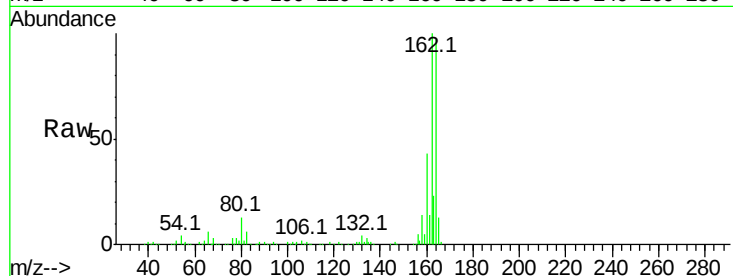




#56
2,4-Dinitrotoluene
Concen: 6.001 ng
RT: 15.42 min Scan# 2064
Delta R.T. -0.34 min
Lab File: BG031928.D
Acq: 4 Jan 2018 23:06

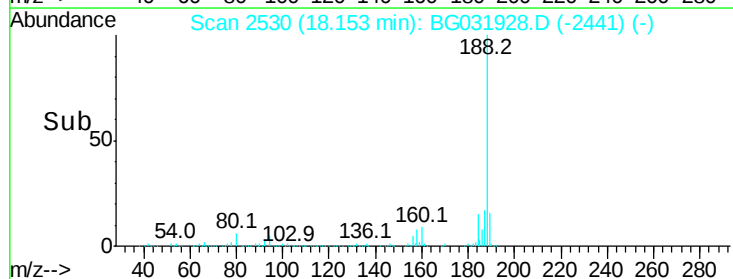
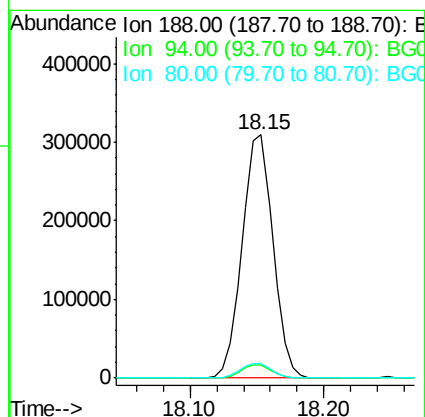
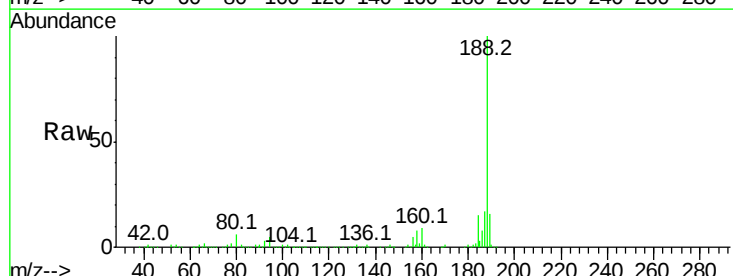
Instrument :
BNA_G
ClientSampleId :

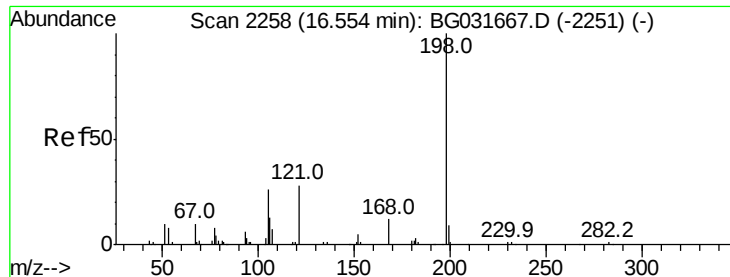
Tot Ion:165 Resp: 22670
Ion Ratio Lower Upper
165 100
63 1.9 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.15 min Scan# 2530
Delta R.T. -0.00 min
Lab File: BG031928.D
Acq: 4 Jan 2018 23:06

Tgt Ion:188 Resp: 494327
Ion Ratio Lower Upper
188 100
94 5.5 6.9 10.3#
80 6.0 7.7 11.5#

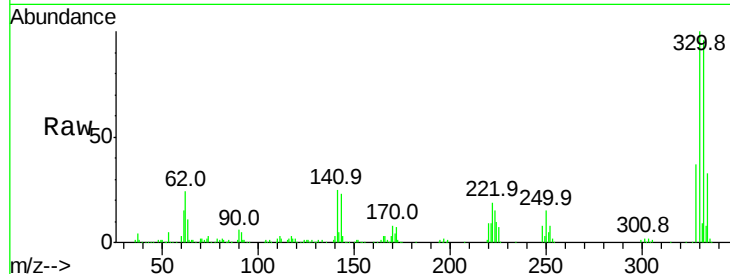




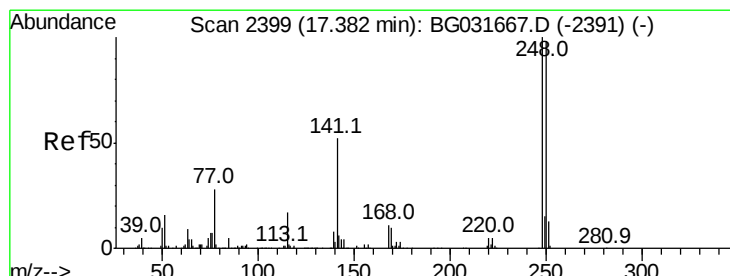
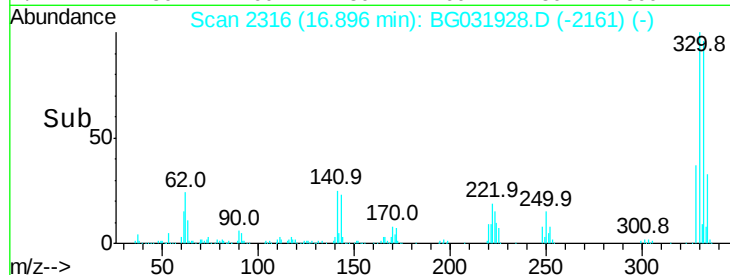
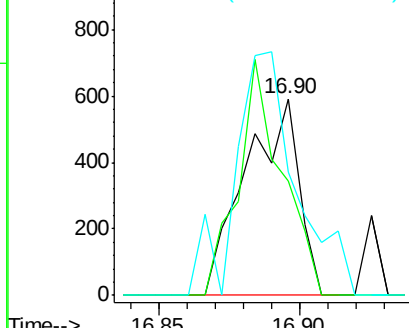
#64
4,6-Dinitro-2-methylphenol
Concen: 8.573 ng
RT: 16.90 min Scan# 2316
Delta R.T. 0.38 min
Lab File: BG031928.D
Acq: 4 Jan 2018 23:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 776
Ion Ratio Lower Upper
198 100
51 58.2 30.6 70.6
105 62.6 23.8 63.8

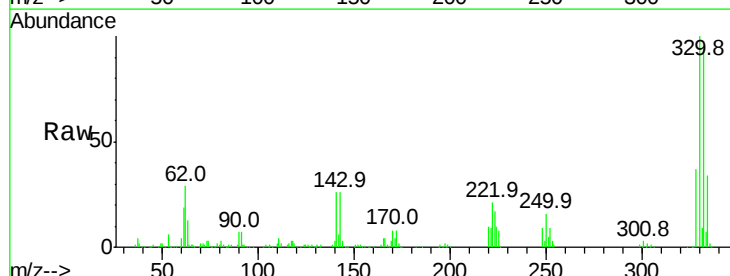


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

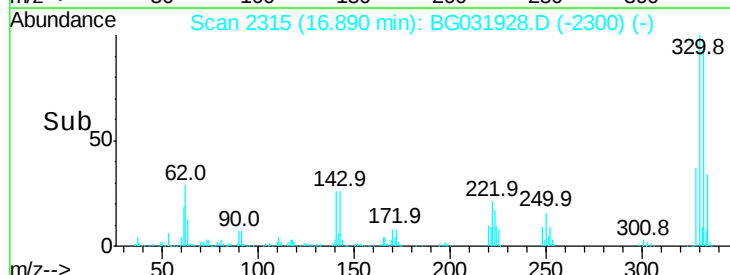
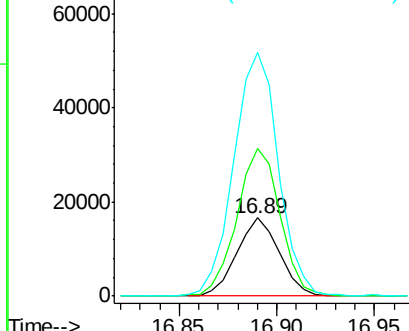


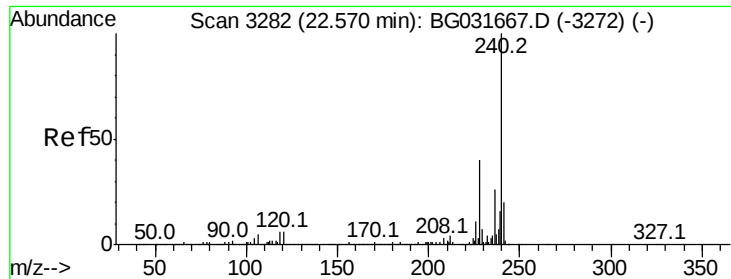
#66
4-Bromophenyl-phenylether
Concen: 3.503 ng
RT: 16.89 min Scan# 2315
Delta R.T. -0.44 min
Lab File: BG031928.D
Acq: 4 Jan 2018 23:06

Tgt Ion:248 Resp: 25040
Ion Ratio Lower Upper
248 100
250 188.1 77.1 115.7#
141 310.5 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: 22.50 min Scan# 3269

Delta R.T. -0.01 min

Lab File: BG031928.D

Acq: 4 Jan 2018 23:06

Instrument :

BNA_G

ClientSampleId :

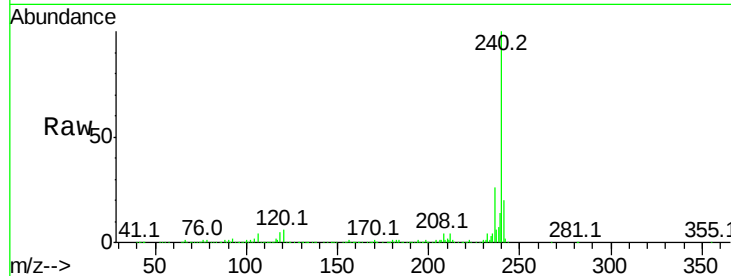
Tot Ion:240 Resp: 575164

Ion Ratio Lower Upper

240 100

120 5.7 6.8 10.2#

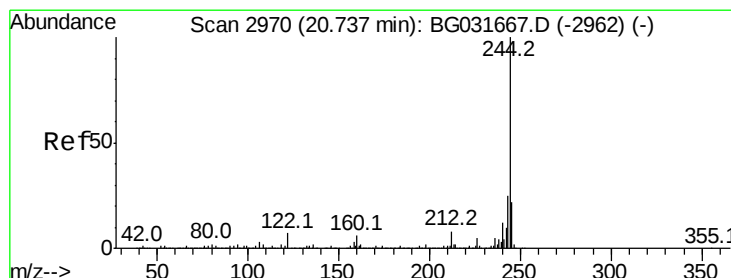
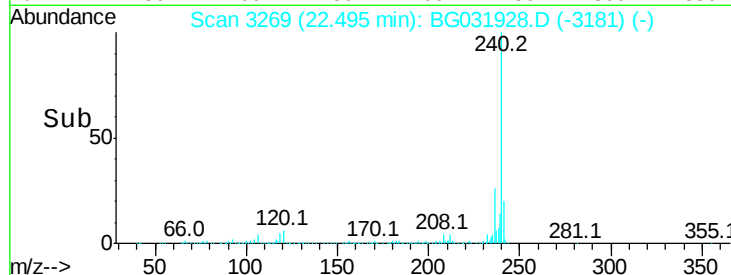
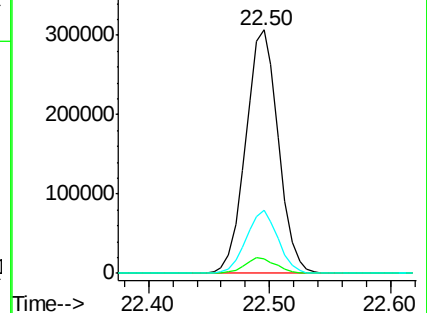
236 25.8 20.9 31.3



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: 52.197 ng

RT: 20.69 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BG031928.D

Acq: 4 Jan 2018 23:06

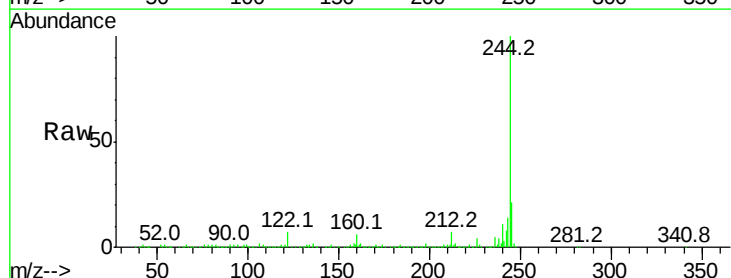
Tgt Ion:244 Resp: 1314062

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

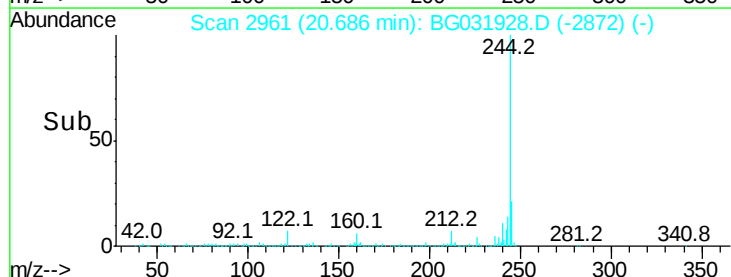
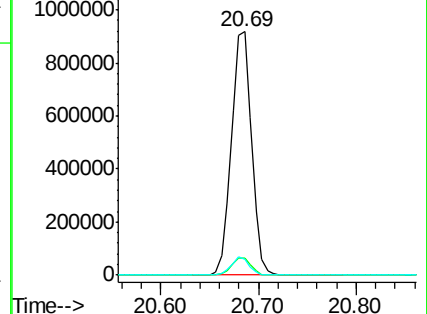
122 6.6 7.0 10.4#

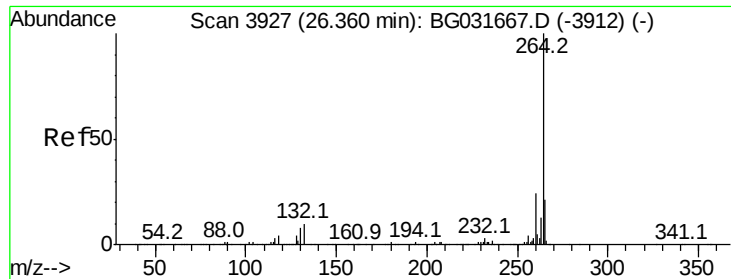


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

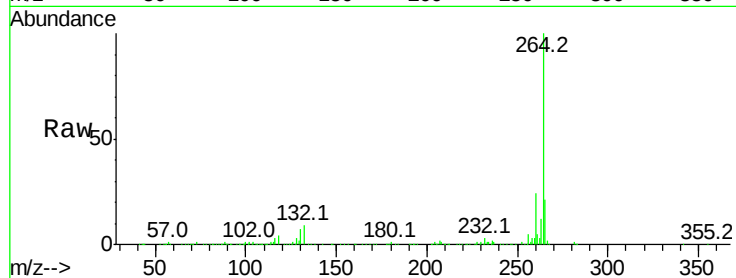




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.23 min Scan# 3905
 Delta R.T. -0.02 min
 Lab File: BG031928.D
 Acq: 4 Jan 2018 23:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.4	26.0
265	20.9	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

