

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010918\
 Data File : BG031959.D
 Acq On : 9 Jan 2018 23:19
 Operator : SJ/JU
 Sample : J1038-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 10 00:28:14 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 05 15:31:34 2018
 Response via : Initial Calibration

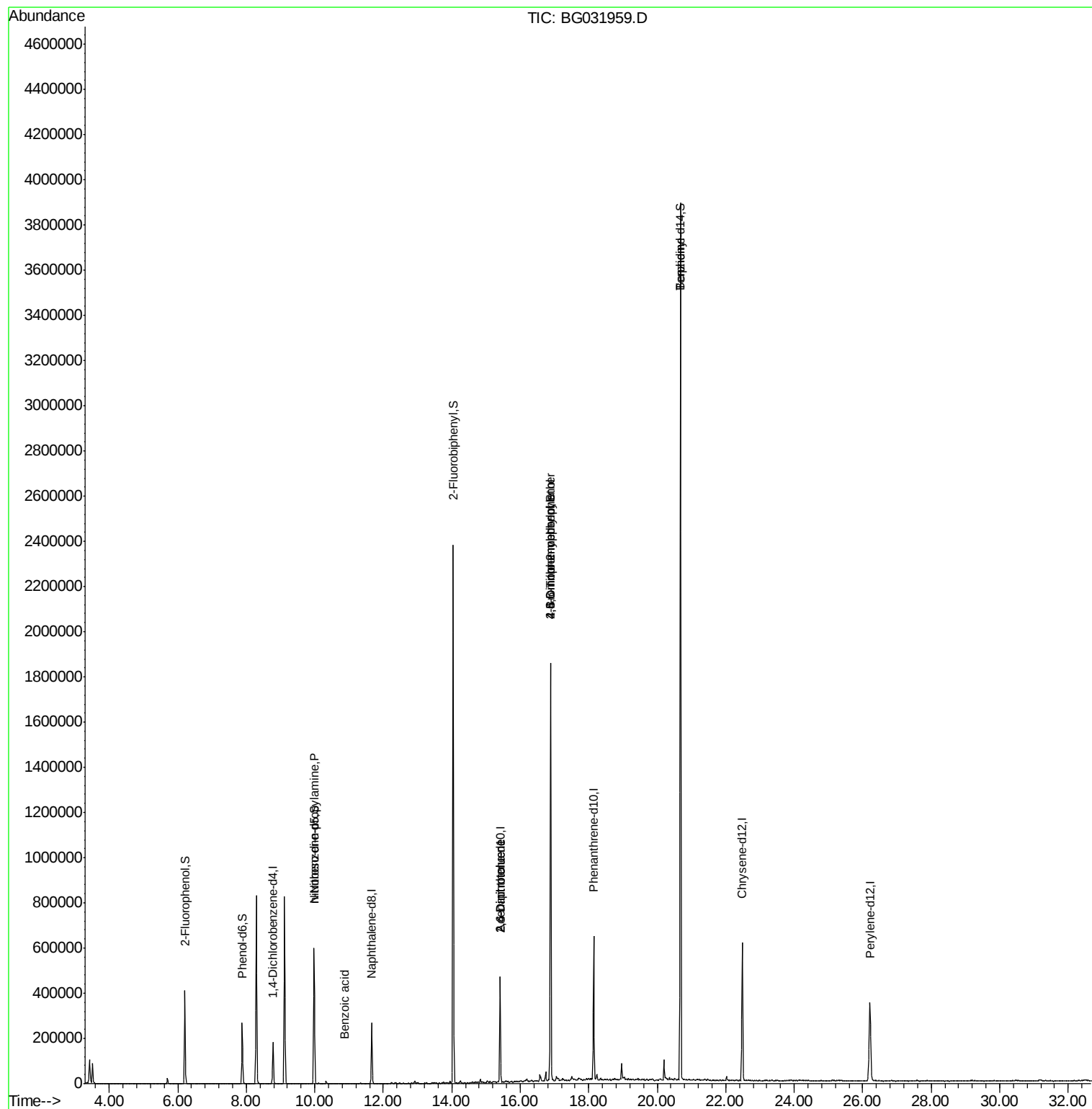
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	60906	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	260500	20.00	ng	0.00
38) Acenaphthene-d10	15.41	164	180496	20.00	ng	-0.02
63) Phenanthrene-d10	18.14	188	431768	20.00	ng	-0.02
75) Chrysene-d12	22.48	240	479668	20.00	ng	-0.04
86) Perylene-d12	26.21	264	482625	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	228577	68.36	ng	0.00
7) Phenol-d6	7.88	99	184664	42.53	ng	0.00
23) Nitrobenzene-d5	9.98	82	395236	114.57	ng	0.00
41) 2,4,6-Tribromophenol	16.89	330	443058	160.87	ng	-0.01
44) 2-Fluorobiphenyl	14.04	172	1393506	96.90	ng	-0.01
78) Terphenyl-d14	20.67	244	2118795	100.92	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.98	70	52939	17.855	ng	# 78
32) Benzoic acid	10.87	122	61	6.714	ng	# 1
50) 2,6-Dinitrotoluene	15.41	165	24998	8.546	ng	# 20
56) 2,4-Dinitrotoluene	15.41	165	24998	6.646	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.88	198	1095	8.737	ng	# 1
66) 4-Bromophenyl-phenylether	16.88	248	35889	5.748	ng	# 1
76) Benzidine	20.67	184	29954	2.023	ng	# 88

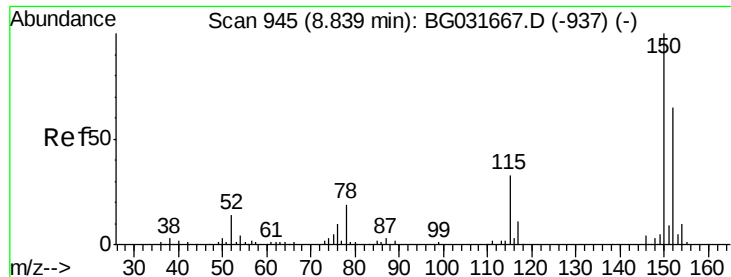
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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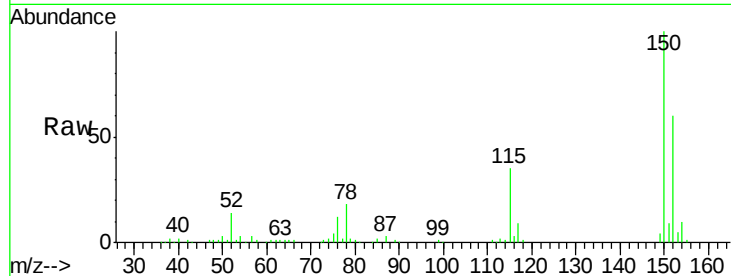


#1

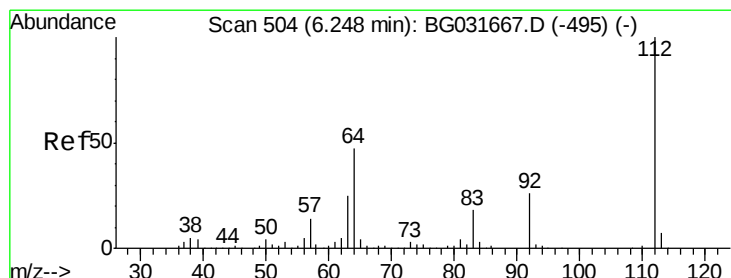
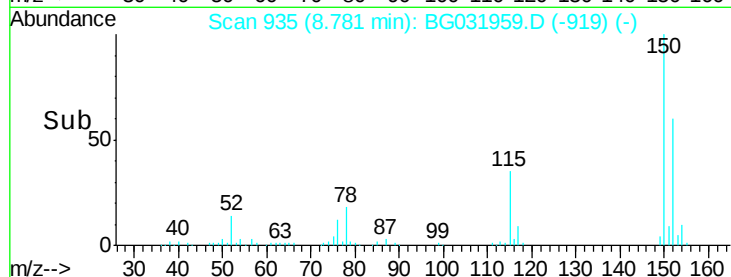
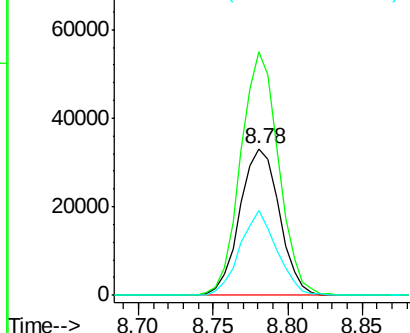
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: BG031959.D
Acq: 9 Jan 2018 23:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 60906
Ion Ratio Lower Upper
152 100
150 166.4 126.6 189.8
115 58.4 53.0 79.4



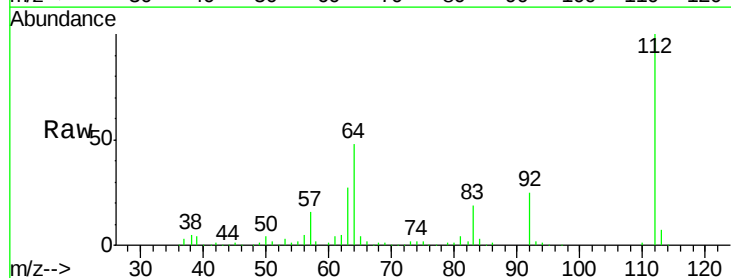
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



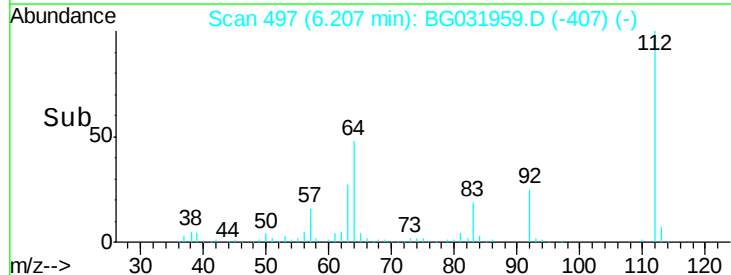
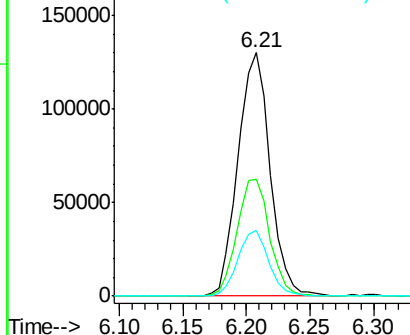
#5

2-Fluorophenol
Concen: 68.356 ng
RT: 6.21 min Scan# 497
Delta R.T. -0.00 min
Lab File: BG031959.D
Acq: 9 Jan 2018 23:19

Tgt Ion:112 Resp: 228577
Ion Ratio Lower Upper
112 100
64 48.2 56.3 84.5#
63 27.1 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: 42.534 ng

RT: 7.88 min Scan# 782

Delta R.T. -0.01 min

Lab File: BG031959.D

Acq: 9 Jan 2018 23:19

Instrument :

BNA_G

ClientSampled :

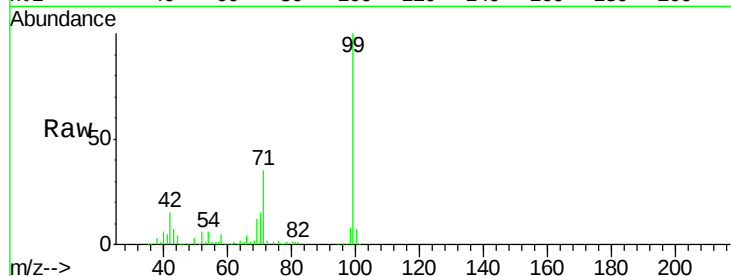
Tot Ion: 99 Resp: 184664

Ion Ratio Lower Upper

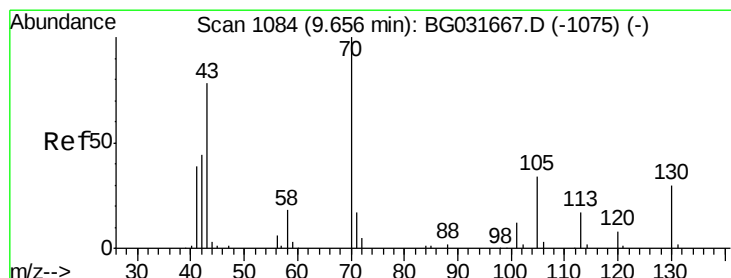
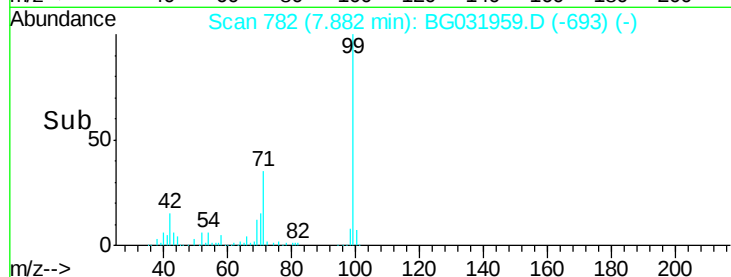
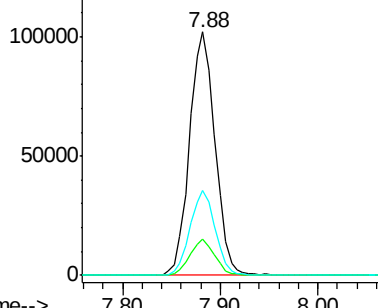
99 100

42 15.0 14.1 21.1

71 34.8 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



#19

n-Nitroso-di-n-propylamine

Concen: 17.855 ng

RT: 9.98 min Scan# 1139

Delta R.T. 0.37 min

Lab File: BG031959.D

Acq: 9 Jan 2018 23:19

Tgt Ion: 70 Resp: 52939

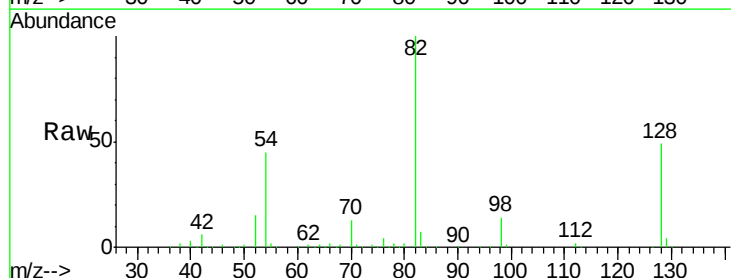
Ion Ratio Lower Upper

70 100

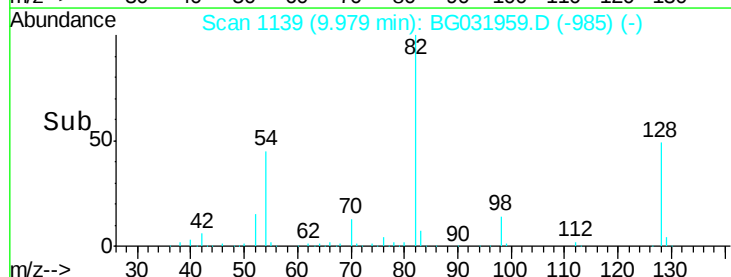
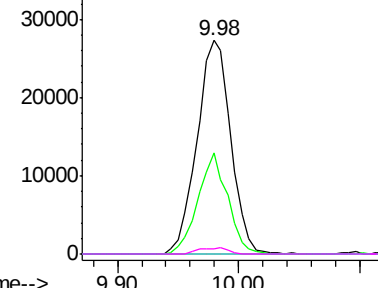
42 47.6 49.1 73.7#

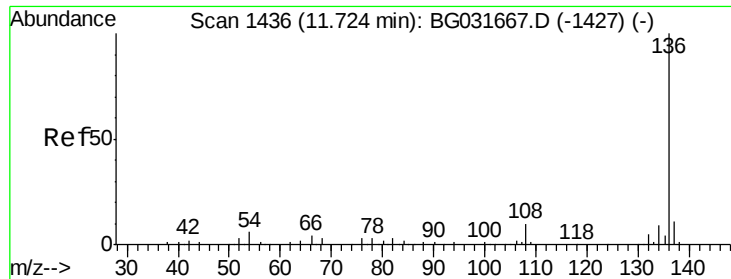
101 0.0 8.5 12.7#

130 2.5 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

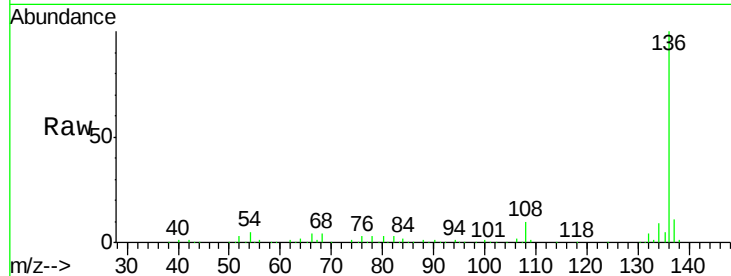




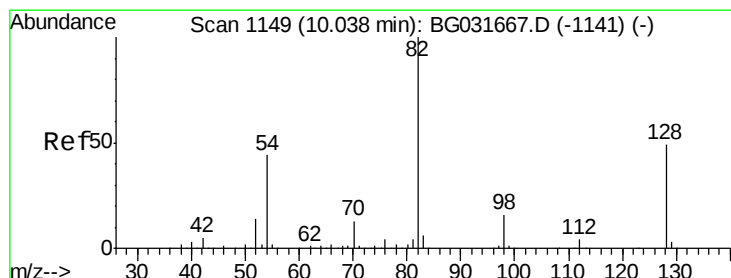
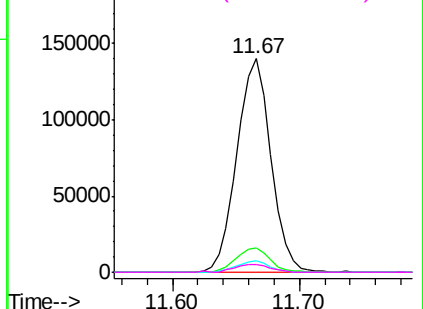
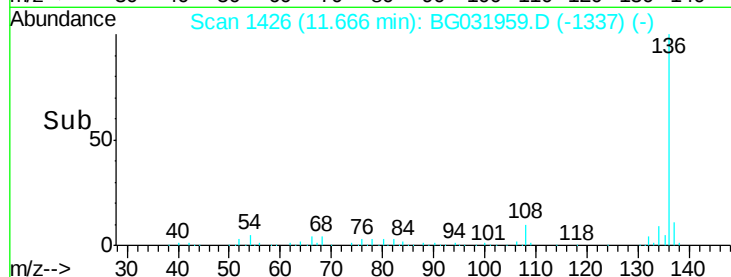
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.67 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BG031959.D
Acq: 9 Jan 2018 23:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	260500
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.2 13.8
54	5.1	10.3 15.5#
68	3.7	4.5 6.7#

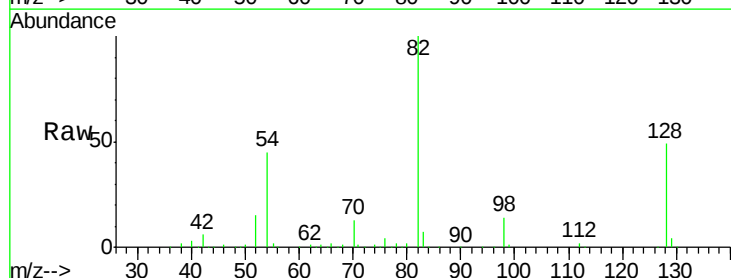


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

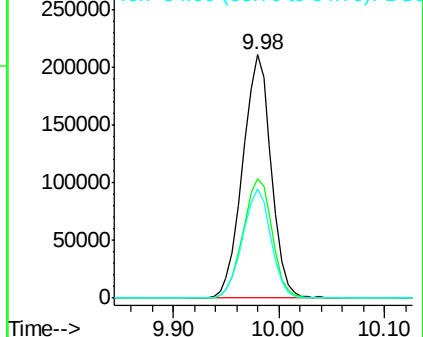
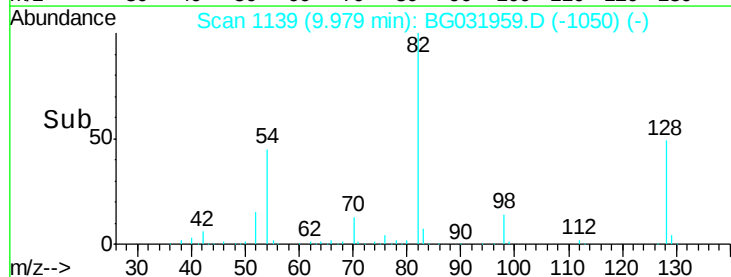


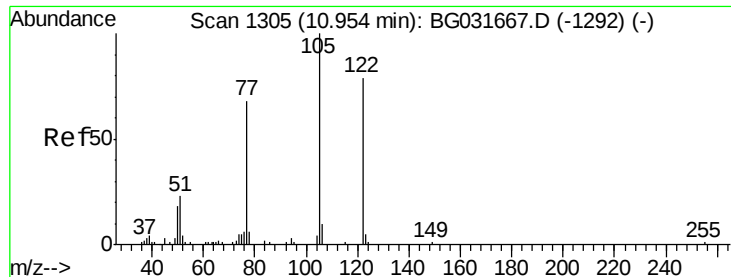
#23
Nitrobenzene-d5
Concen: 114.569 ng
RT: 9.98 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BG031959.D
Acq: 9 Jan 2018 23:19

Tgt Ion: 82	Resp:	395236
Ion Ratio	Lower	Upper
82	100	
128	49.2	29.7 44.5#
54	44.8	43.1 64.7



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

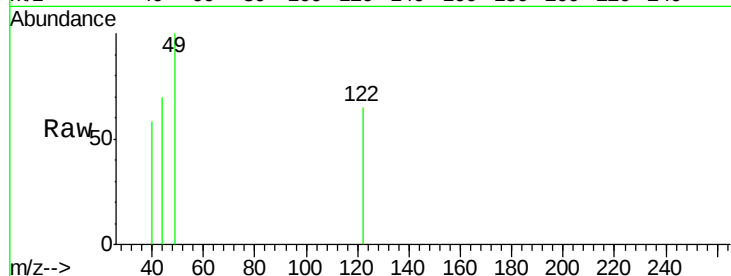




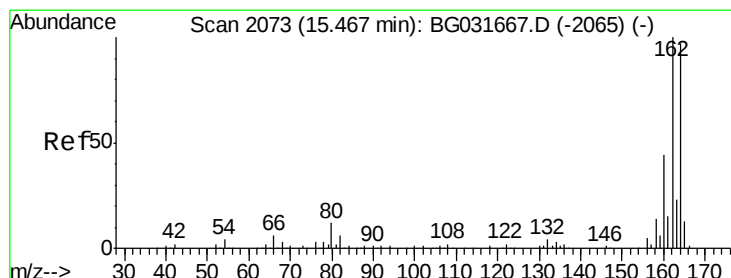
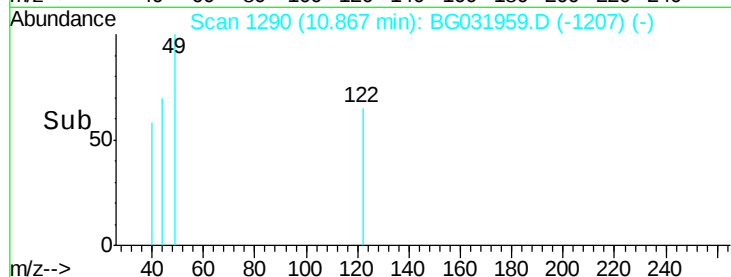
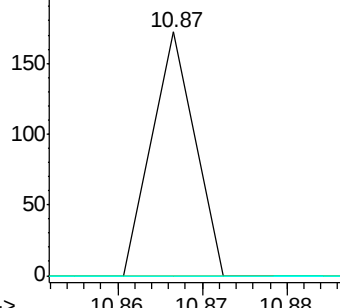
#32
Benzoic acid
Concen: 6.714 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.04 min
Lab File: BG031959.D
Acq: 9 Jan 2018 23:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

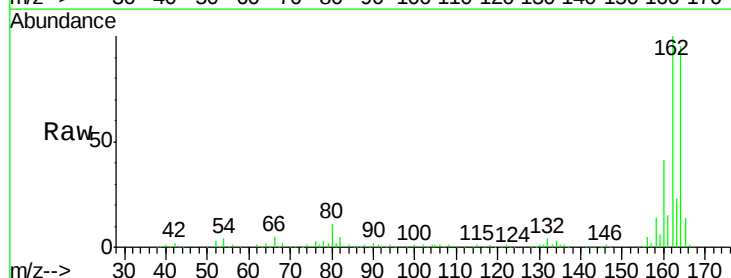


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

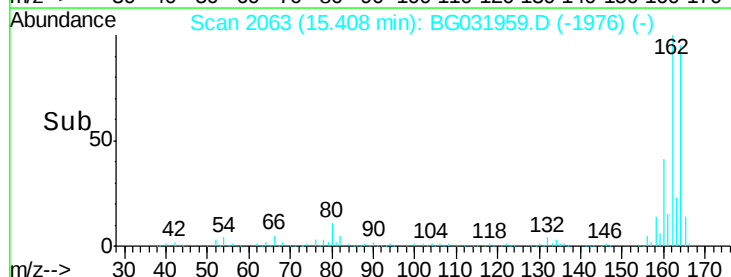
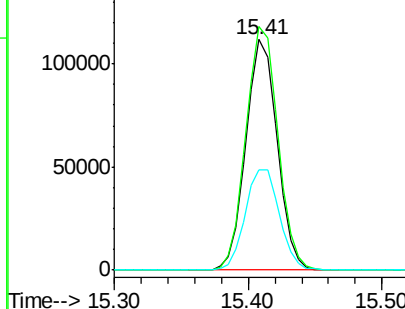


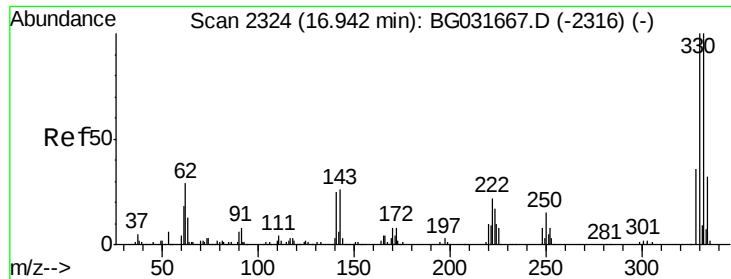
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.41 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BG031959.D
Acq: 9 Jan 2018 23:19

Tgt Ion:164 Resp: 180496
Ion Ratio Lower Upper
164 100
162 105.7 78.8 118.2
160 43.6 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

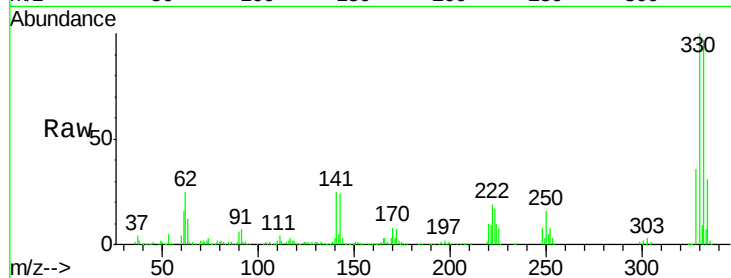




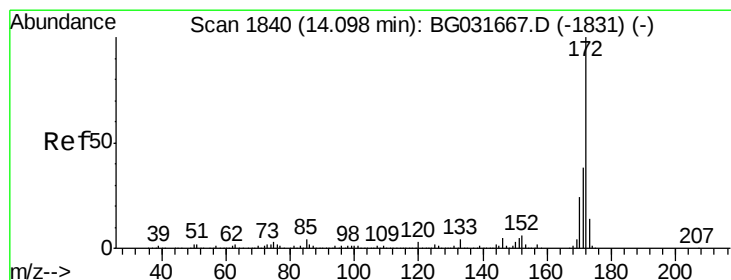
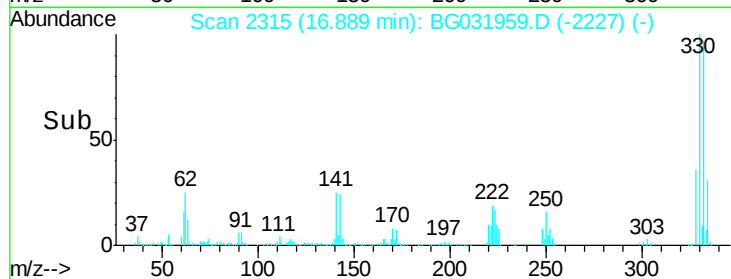
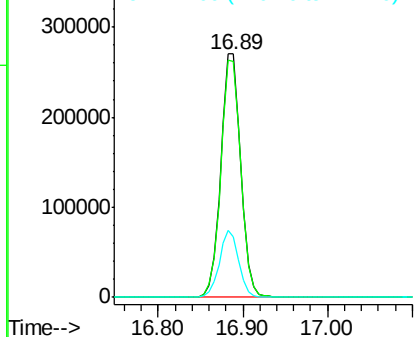
#41
 2,4,6-Tribromophenol
 Concen: 160.871 ng
 RT: 16.89 min Scan# 2315
 Delta R.T. -0.01 min
 Lab File: BG031959.D
 Acq: 9 Jan 2018 23:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 443058
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 26.8 25.2 37.8

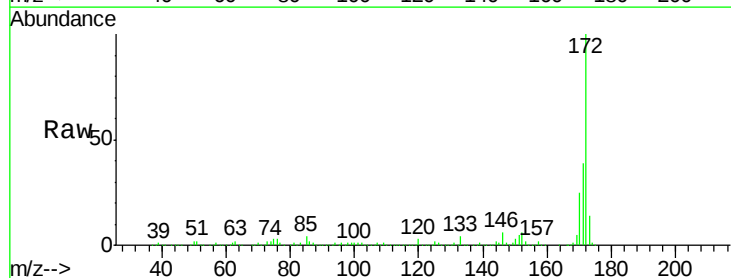


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

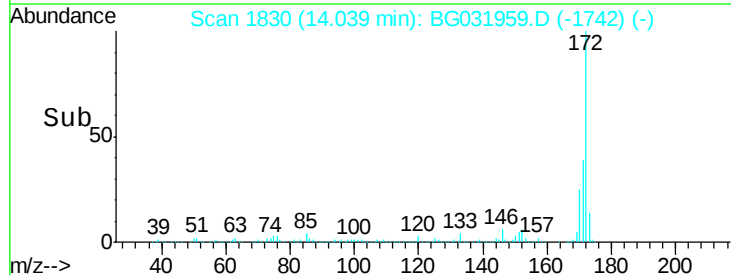
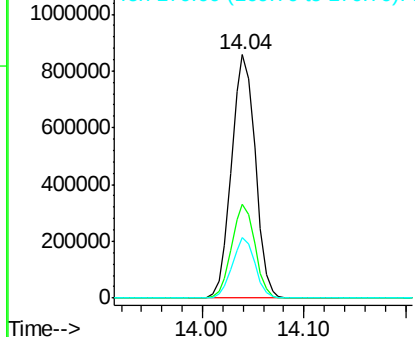


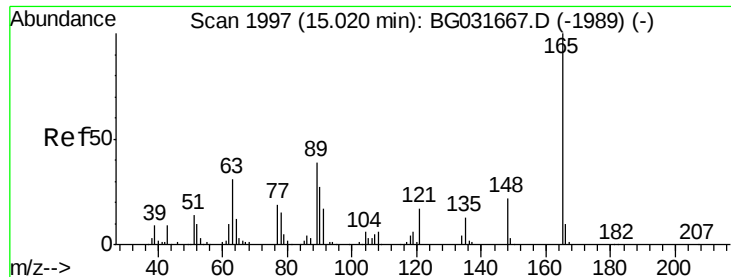
#44
 2-Fluorobiphenyl
 Concen: 96.902 ng
 RT: 14.04 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BG031959.D
 Acq: 9 Jan 2018 23:19

Tgt Ion:172 Resp: 1393506
 Ion Ratio Lower Upper
 172 100
 171 38.8 30.0 45.0
 170 24.6 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

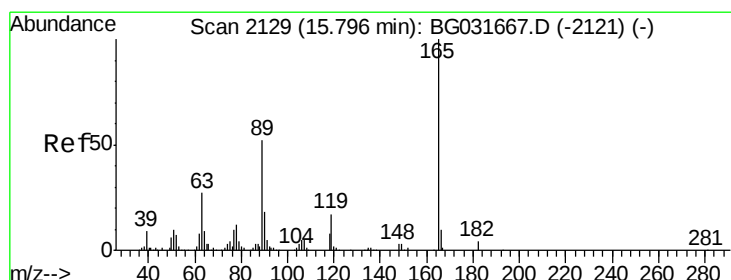
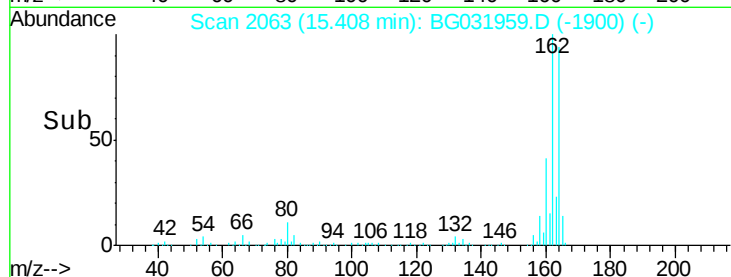
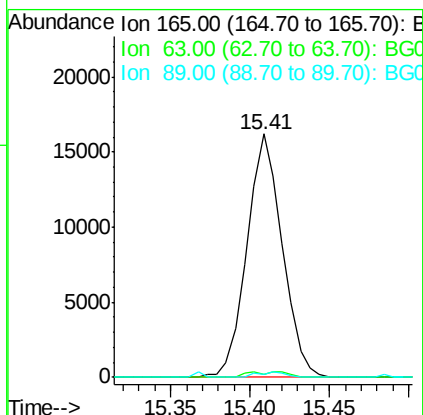
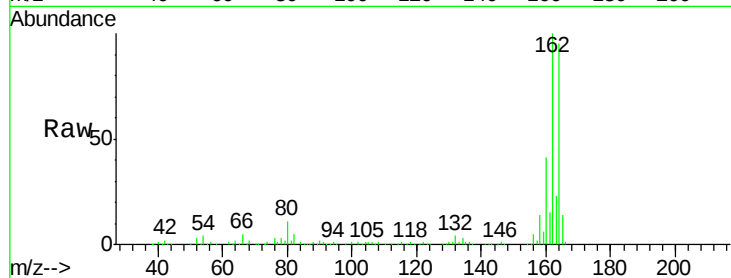




#50
 2,6-Dinitrotoluene
 Concen: 8.546 ng
 RT: 15.41 min Scan# 2063
 Delta R.T. 0.43 min
 Lab File: BG031959.D
 Acq: 9 Jan 2018 23:19

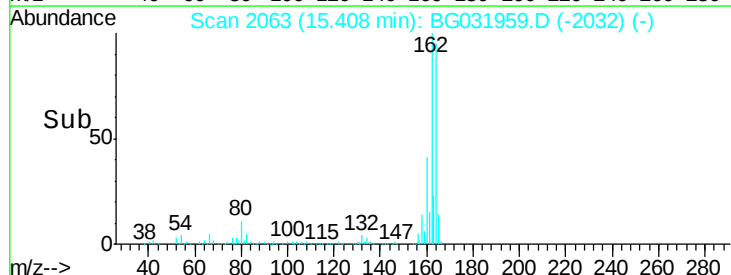
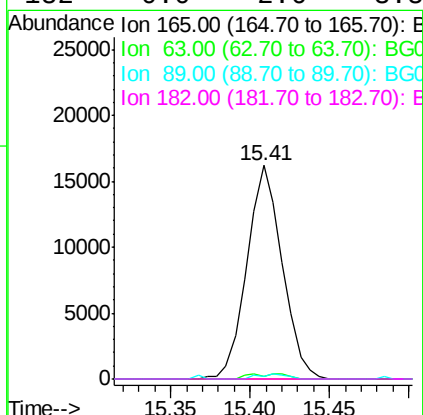
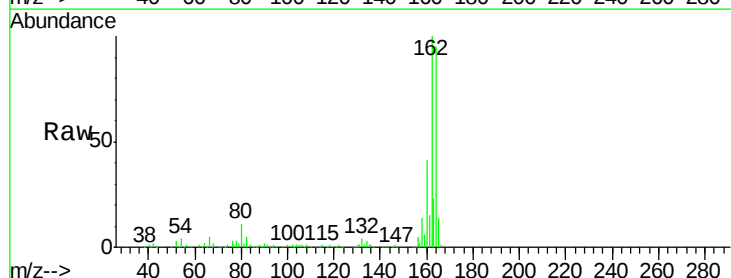
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 BNA_G
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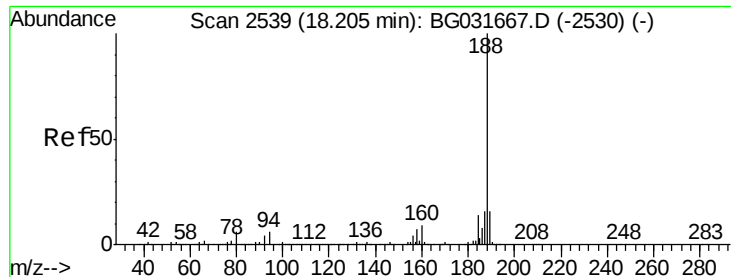
Tot Ion:165 Resp: 24998
 Ion Ratio Lower Upper
 165 100
 63 1.1 52.7 79.1#
 89 1.0 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.646 ng
 RT: 15.41 min Scan# 2063
 Delta R.T. -0.35 min
 Lab File: BG031959.D
 Acq: 9 Jan 2018 23:19

Tgt Ion:165 Resp: 24998
 Ion Ratio Lower Upper
 165 100
 63 1.1 42.0 63.0#
 89 1.0 66.9 100.3#
 182 0.0 2.6 3.8#

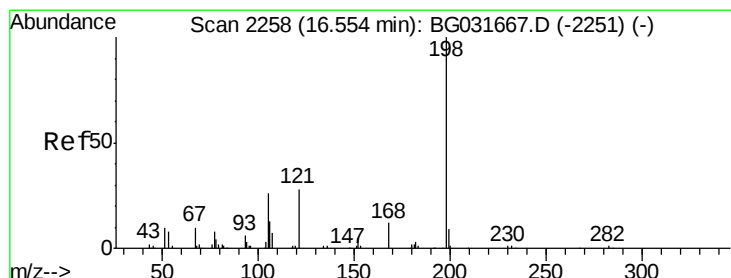
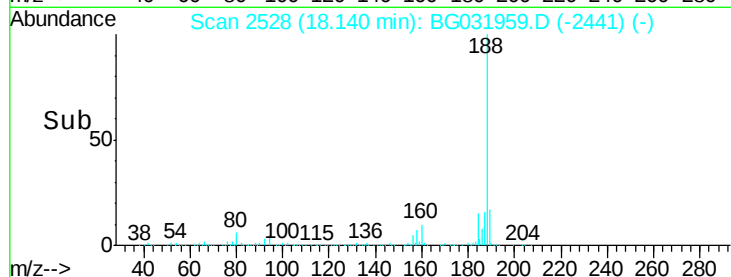
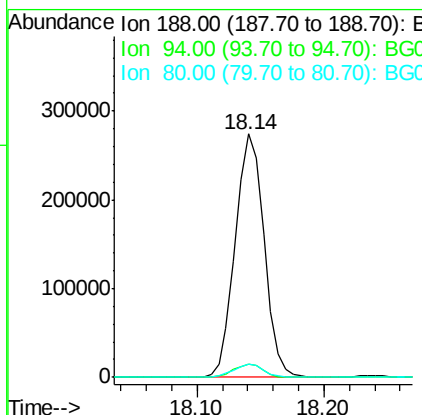
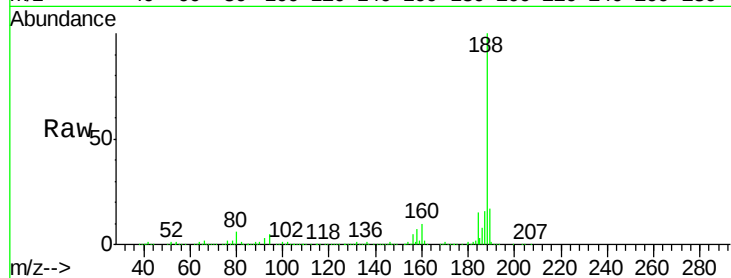




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.14 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BG031959.D
Acq: 9 Jan 2018 23:19

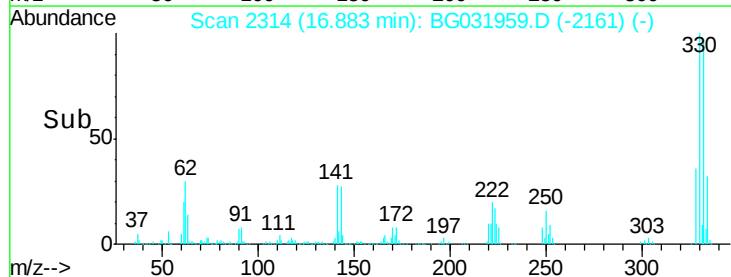
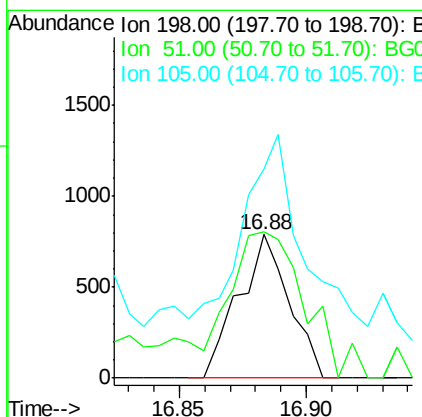
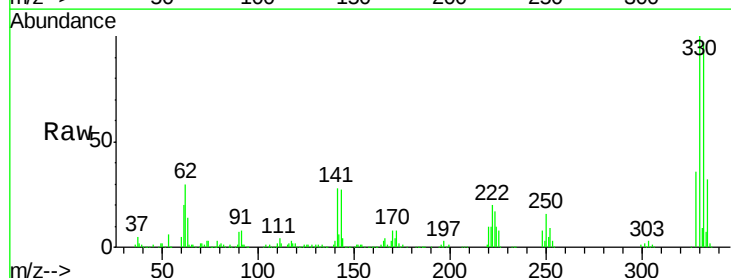
Instrument :
BNA_G
ClientSampleId :

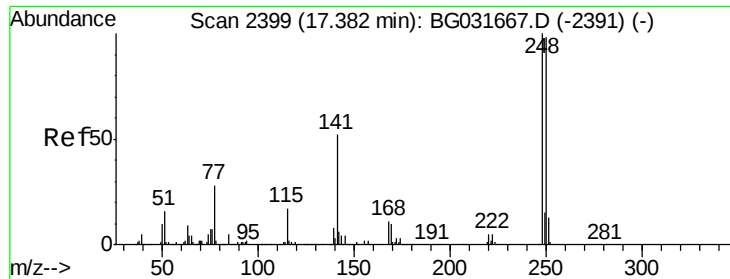
Tot Ion:188 Resp: 431768
Ion Ratio Lower Upper
188 100
94 5.5 6.9 10.3#
80 5.7 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.737 ng
RT: 16.88 min Scan# 2314
Delta R.T. 0.37 min
Lab File: BG031959.D
Acq: 9 Jan 2018 23:19

Tgt Ion:198 Resp: 1095
Ion Ratio Lower Upper
198 100
51 102.0 30.6 70.6#
105 145.5 23.8 63.8#

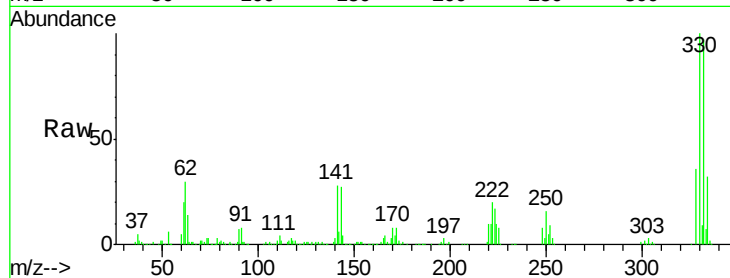




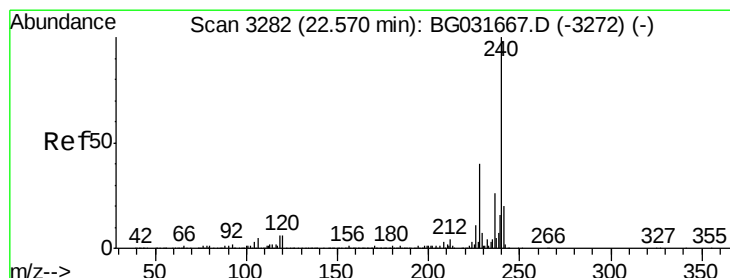
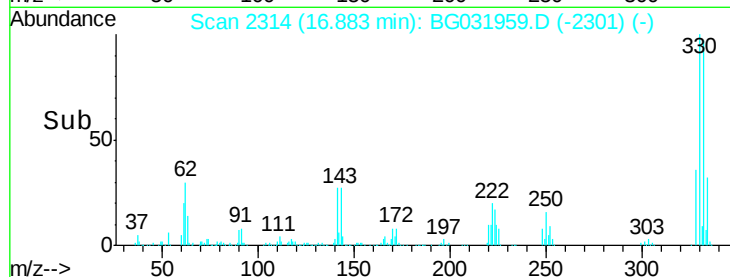
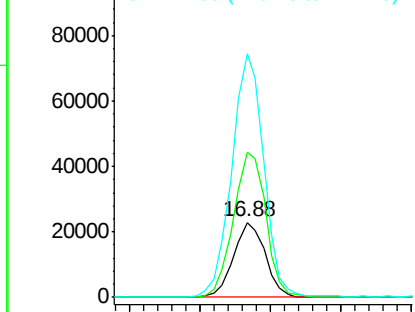
#66
4-Bromophenyl-phenylether
Concen: 5.748 ng
RT: 16.88 min Scan# 2314
Delta R.T. -0.45 min
Lab File: BG031959.D
Acq: 9 Jan 2018 23:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 35889
Ion Ratio Lower Upper
248 100
250 193.3 77.1 115.7#
141 325.8 50.8 76.2#

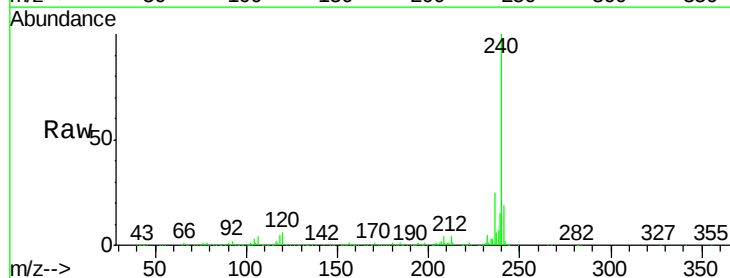


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

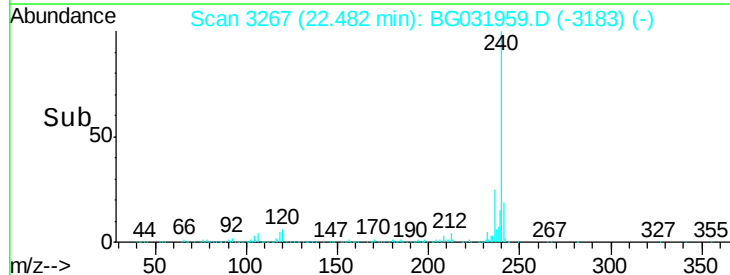
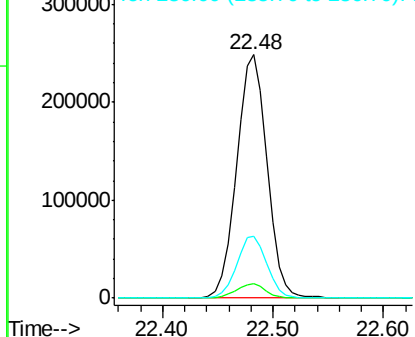


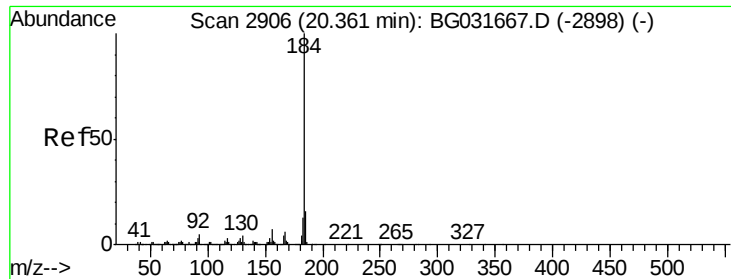
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.48 min Scan# 3267
Delta R.T. -0.04 min
Lab File: BG031959.D
Acq: 9 Jan 2018 23:19

Tgt Ion:240 Resp: 479668
Ion Ratio Lower Upper
240 100
120 5.8 6.8 10.2#
236 25.3 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: 2.023 ng

RT: 20.67 min Scan# 2959

Delta R.T. 0.35 min

Lab File: BG031959.D

Acq: 9 Jan 2018 23:19

Instrument :

BNA_G

ClientSampled :

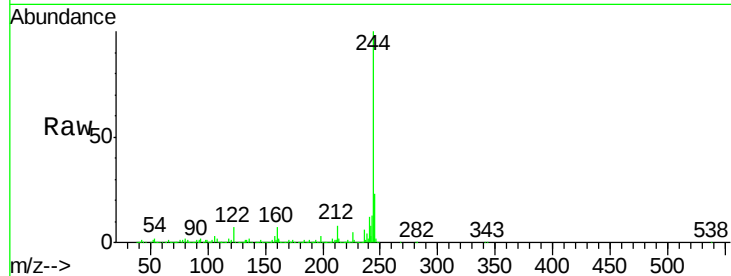
Tot Ion:184 Resp: 29954

Ion Ratio Lower Upper

184 100

185 19.2 11.1 16.7#

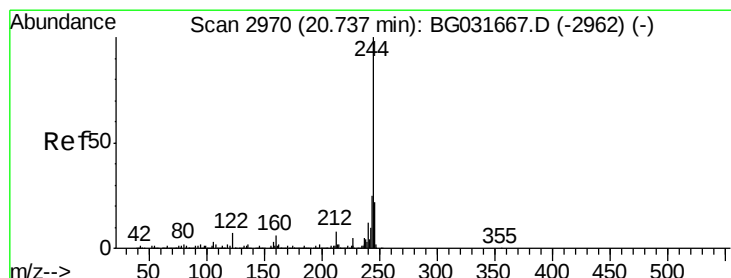
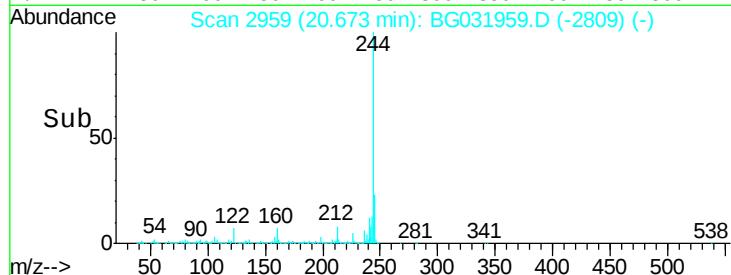
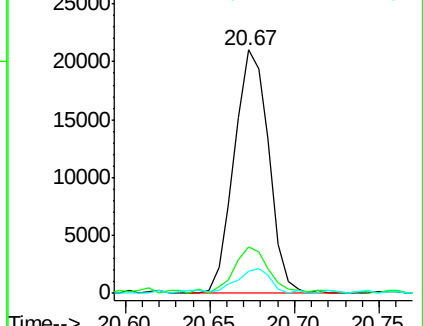
183 9.1 10.6 16.0#



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: 100.918 ng

RT: 20.67 min Scan# 2959

Delta R.T. -0.03 min

Lab File: BG031959.D

Acq: 9 Jan 2018 23:19

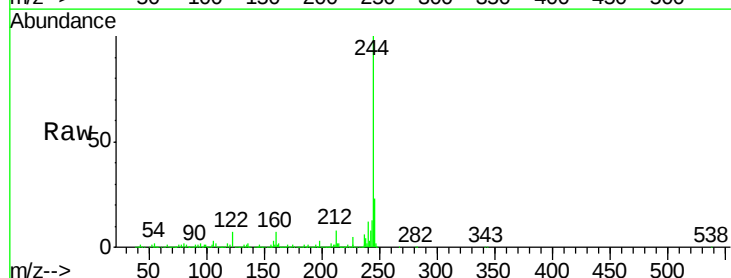
Tgt Ion:244 Resp: 2118795

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

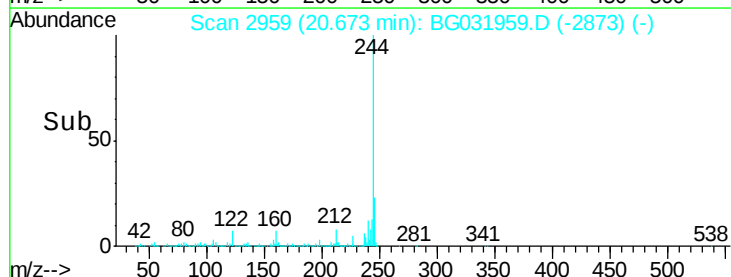
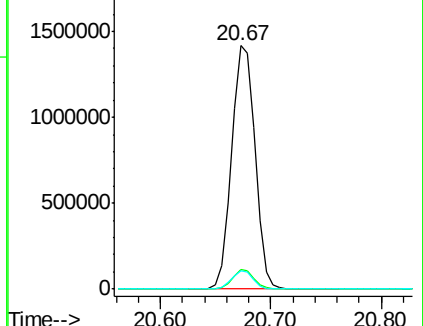
122 7.4 7.0 10.4

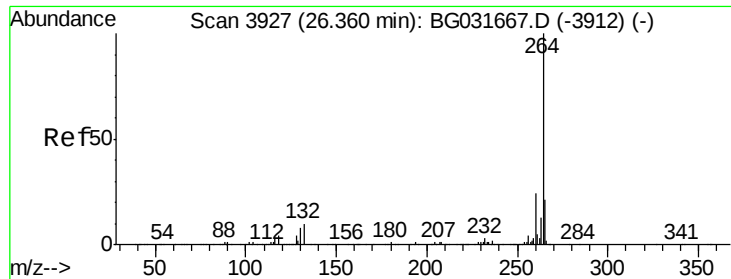


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

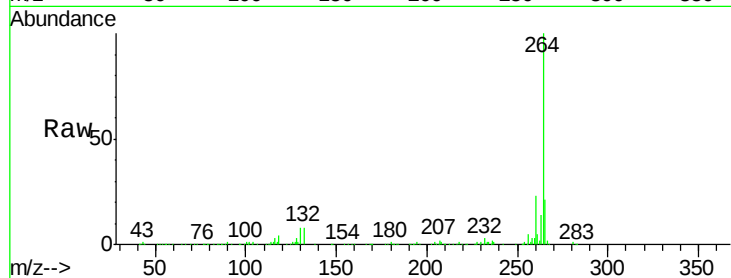




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.21 min Scan# 3902
 Delta R.T. -0.08 min
 Lab File: BG031959.D
 Acq: 9 Jan 2018 23:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	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

