

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010918\
 Data File : BG031954.D
 Acq On : 9 Jan 2018 20:11
 Operator : SJ/JU
 Sample : J1050-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 10 00:25:32 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

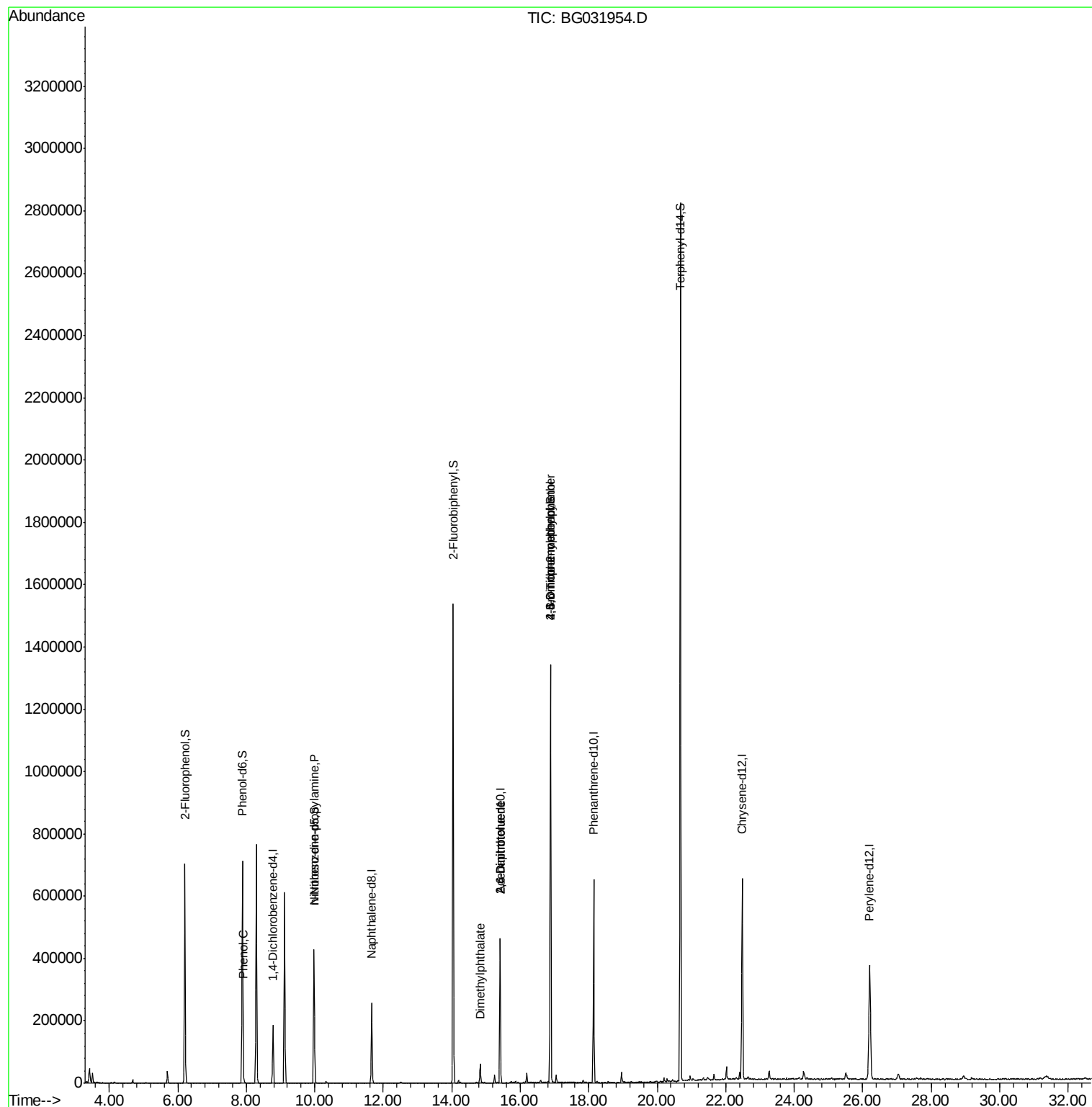
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	62606	20.00	ng	0.00
21) Naphthalene-d8	11.66	136	262845	20.00	ng	-0.01
38) Acenaphthene-d10	15.41	164	184325	20.00	ng	-0.02
63) Phenanthrene-d10	18.14	188	449446	20.00	ng	-0.02
75) Chrysene-d12	22.48	240	505832	20.00	ng	-0.04
86) Perylene-d12	26.20	264	501868	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	384005	111.72	ng	0.00
7) Phenol-d6	7.89	99	499991	112.04	ng	0.00
23) Nitrobenzene-d5	9.97	82	284427	81.71	ng	-0.01
41) 2,4,6-Tribromophenol	16.88	330	323773	115.12	ng	-0.02
44) 2-Fluorobiphenyl	14.04	172	940239	64.02	ng	-0.01
78) Terphenyl-d14	20.67	244	1489269	67.26	ng	-0.02
Target Compounds						
10) Phenol	7.91	94	23503	5.216	ng	97
19) n-Nitroso-di-n-propylamine	9.97	70	37527	12.313	ng	# 69
49) Dimethylphthalate	14.83	163	47853	2.947	ng	96
50) 2,6-Dinitrotoluene	15.41	165	23155	7.751	ng	# 19
56) 2,4-Dinitrotoluene	15.41	165	23155	6.028	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.88	198	711	8.575	ng	# 34
66) 4-Bromophenyl-phenylether	16.88	248	25803	3.970	ng	# 1

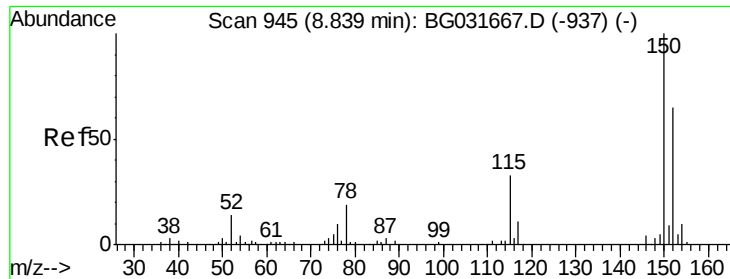
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
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QLast Update : Fri Jan 05 15:31:34 2018
Response via : Initial Calibration



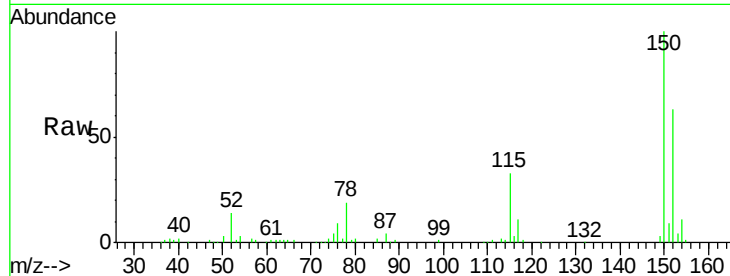


#1

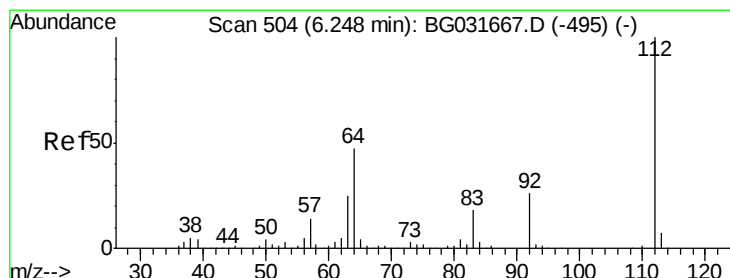
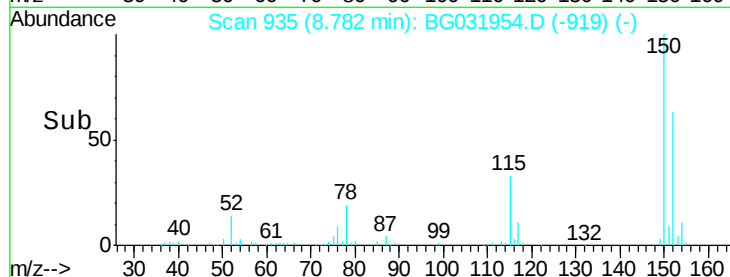
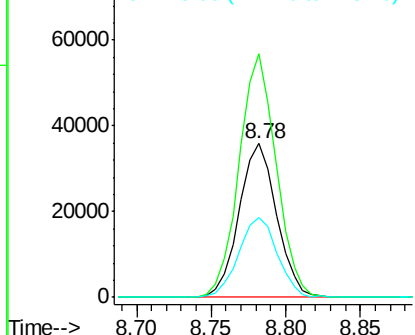
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: BG031954.D
Acq: 9 Jan 2018 20:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 62606
Ion Ratio Lower Upper
152 100
150 158.5 126.6 189.8
115 52.1 53.0 79.4#



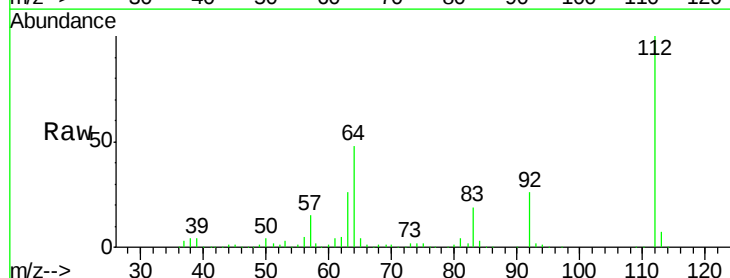
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



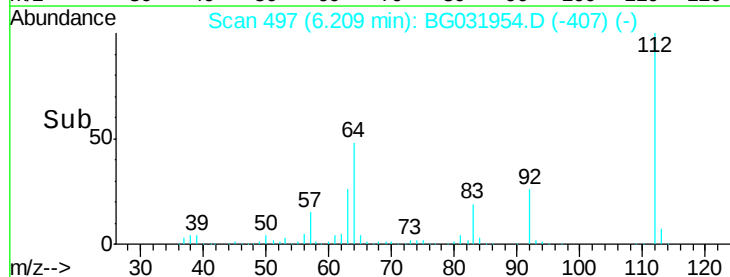
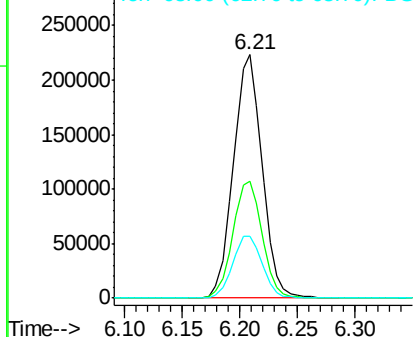
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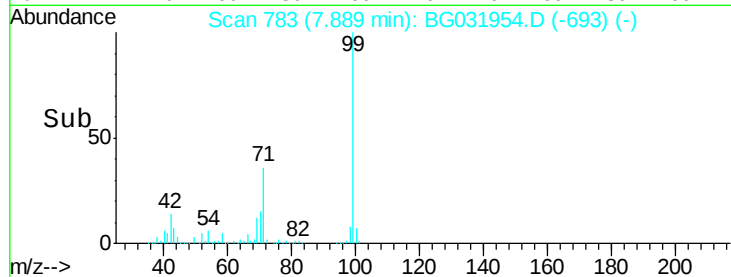
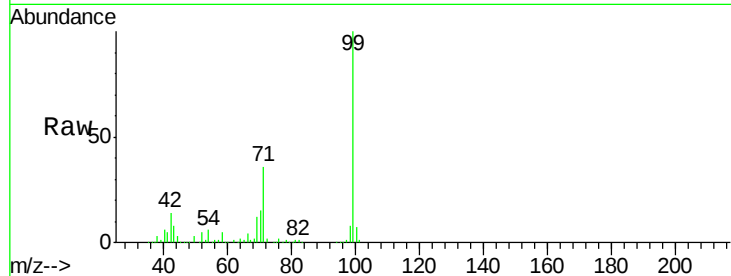
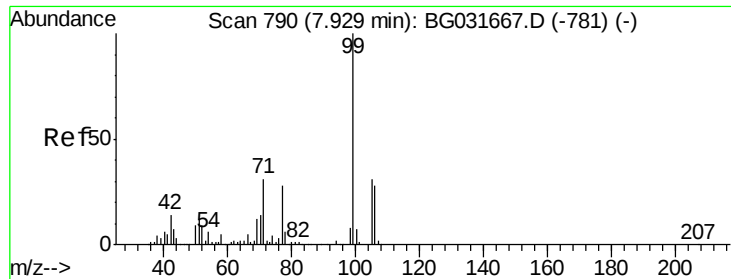
2-Fluorophenol
Concen: 111.718 ng
RT: 6.21 min Scan# 497
Delta R.T. -0.00 min
Lab File: BG031954.D
Acq: 9 Jan 2018 20:11

Tgt Ion:112 Resp: 384005
Ion Ratio Lower Upper
112 100
64 47.9 56.3 84.5#
63 25.6 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: 112.037 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.00 min

Lab File: BG031954.D

Acq: 9 Jan 2018 20:11

Instrument :

BNA_G

ClientSampleId :

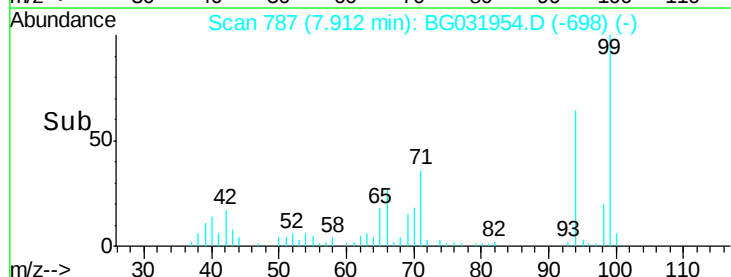
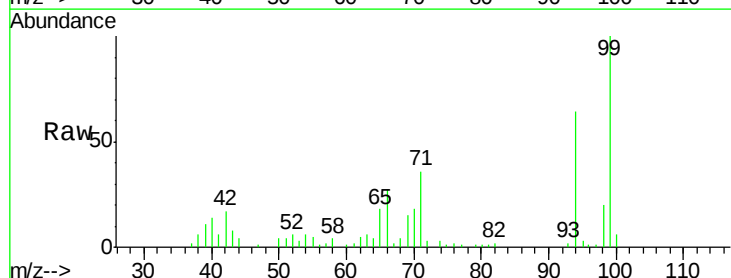
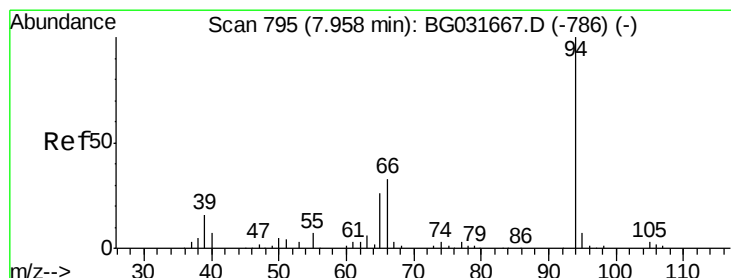
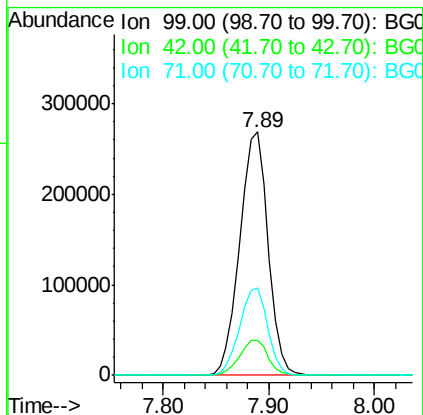
Tot Ion: 99 Resp: 499991

Ion Ratio Lower Upper

99 100

42 14.3 14.1 21.1

71 35.9 26.1 39.1



#10

Phenol

Concen: 5.216 ng

RT: 7.91 min Scan# 787

Delta R.T. -0.01 min

Lab File: BG031954.D

Acq: 9 Jan 2018 20:11

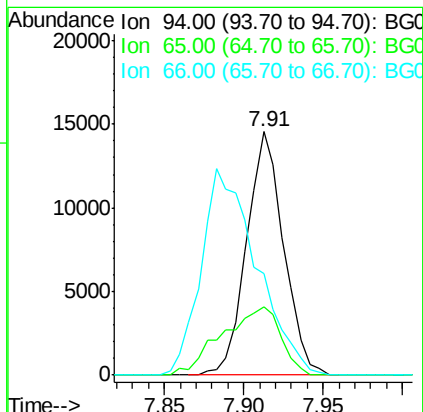
Tgt Ion: 94 Resp: 23503

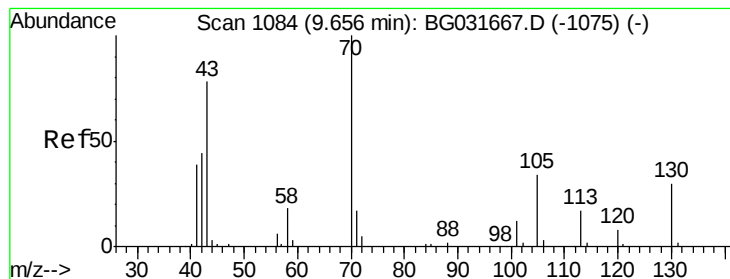
Ion Ratio Lower Upper

94 100

65 27.9 11.9 51.9

66 41.9 22.2 62.2





#19

n-Nitroso-di-n-propylamine

Concen: 12.313 ng

RT: 9.97 min Scan# 1138

Delta R.T. 0.37 min

Lab File: BG031954.D

Acq: 9 Jan 2018 20:11

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 37527

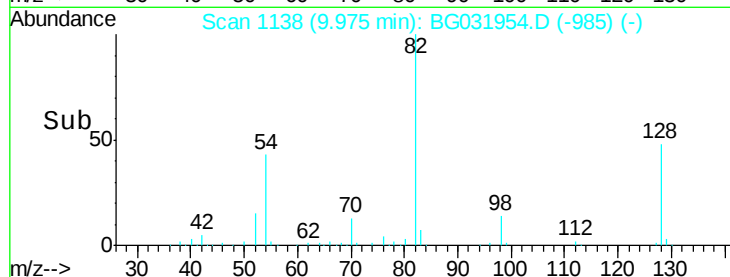
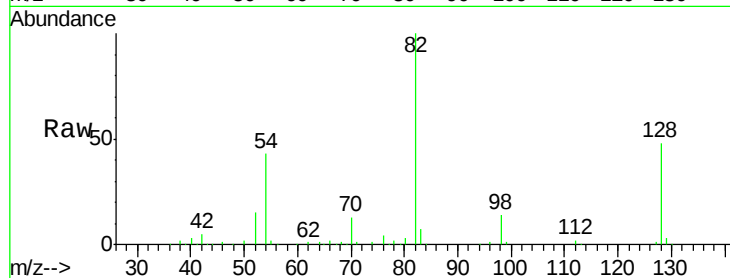
Ion Ratio Lower Upper

70 100

42 38.3 49.1 73.7#

101 0.0 8.5 12.7#

130 2.3 13.4 20.0#

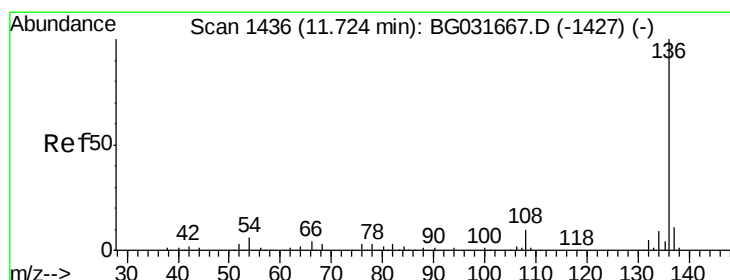
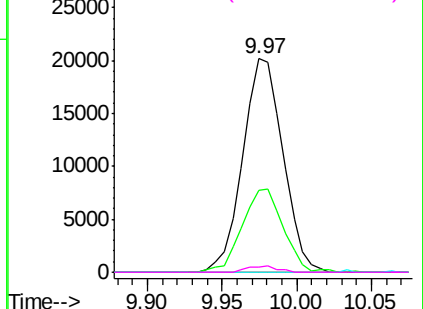


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.66 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BG031954.D

Acq: 9 Jan 2018 20:11

Tgt Ion: 136 Resp: 262845

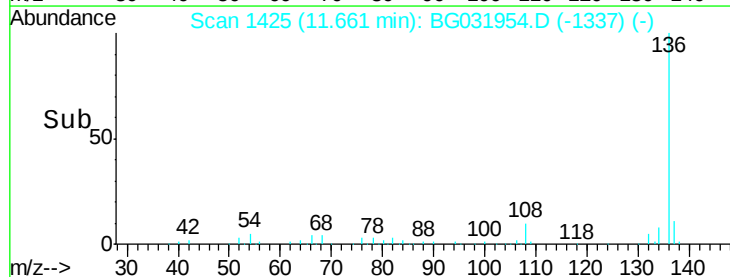
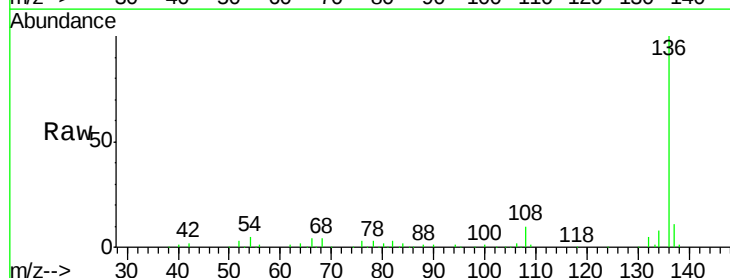
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 5.3 10.3 15.5#

68 4.1 4.5 6.7#

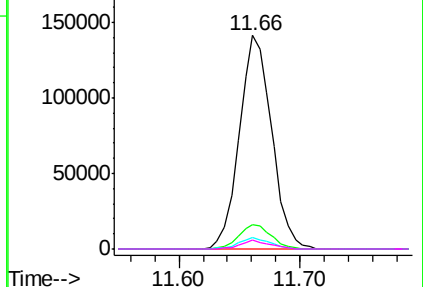


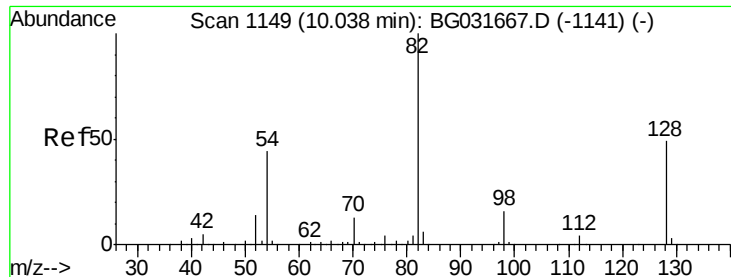
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

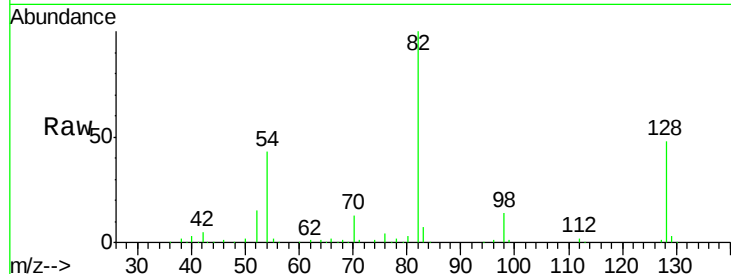




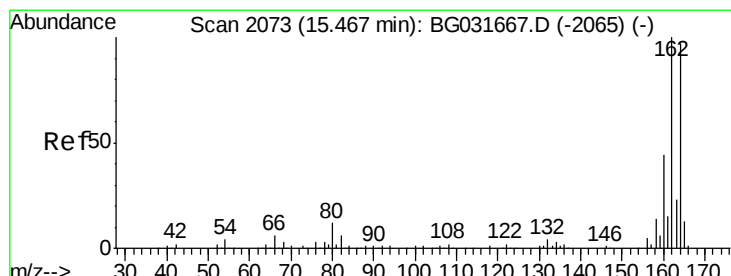
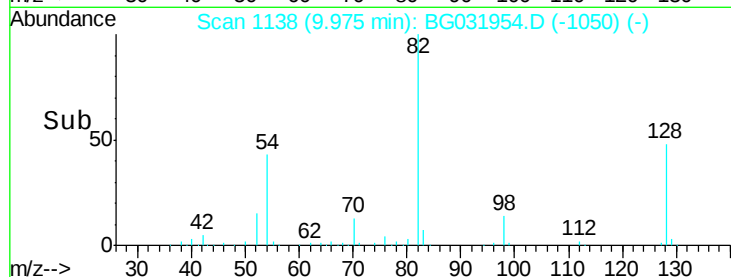
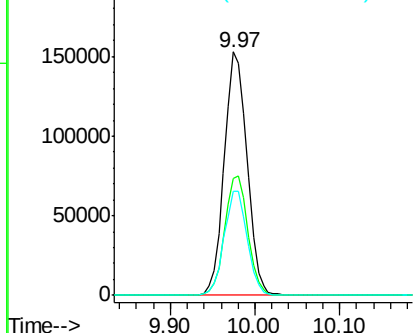
#23
Nitrobenzene-d5
Concen: 81.712 ng
RT: 9.97 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BG031954.D
Acq: 9 Jan 2018 20:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 284427
Ion Ratio Lower Upper
82 100
128 48.2 29.7 44.5#
54 42.5 43.1 64.7#

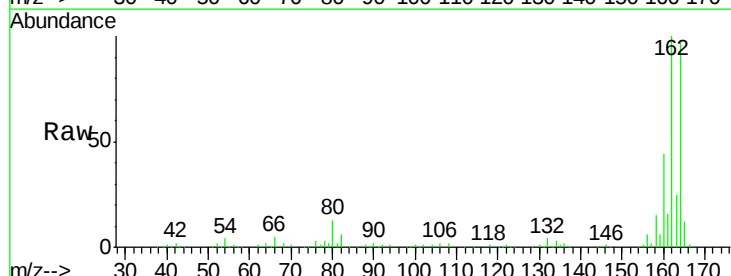


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

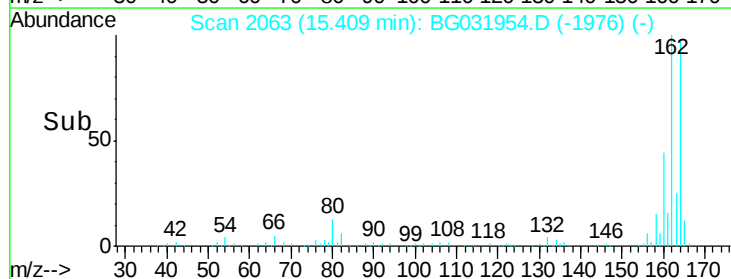
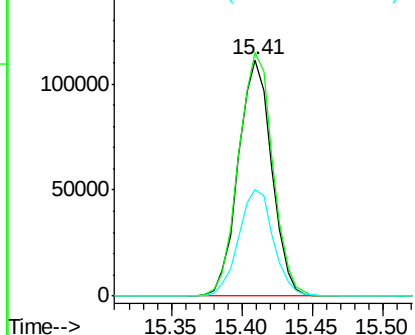


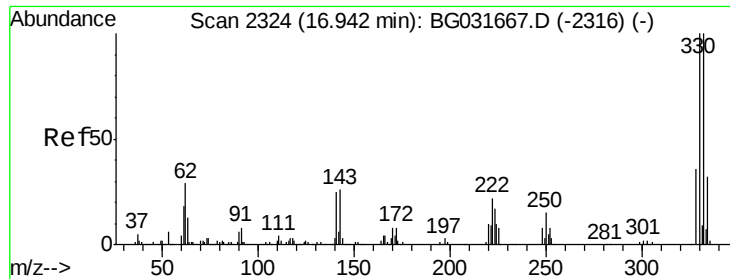
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.41 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BG031954.D
Acq: 9 Jan 2018 20:11

Tgt Ion:164 Resp: 184325
Ion Ratio Lower Upper
164 100
162 103.0 78.8 118.2
160 45.2 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

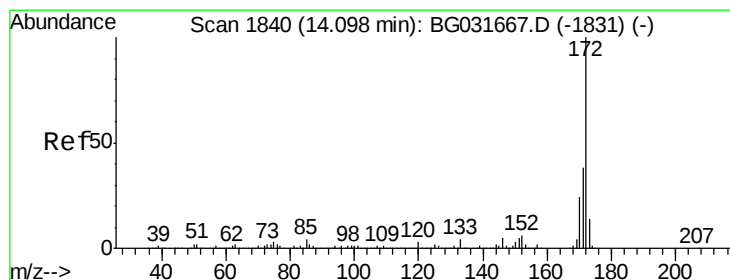
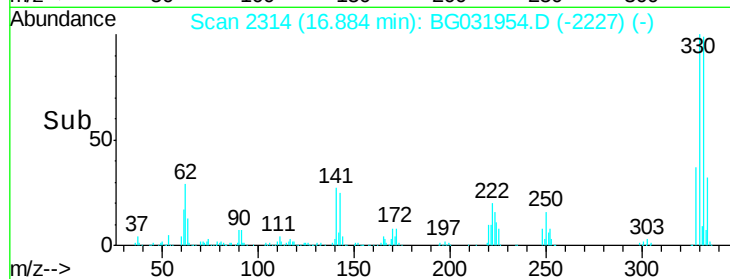
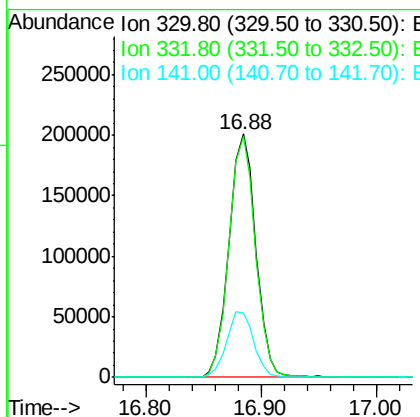
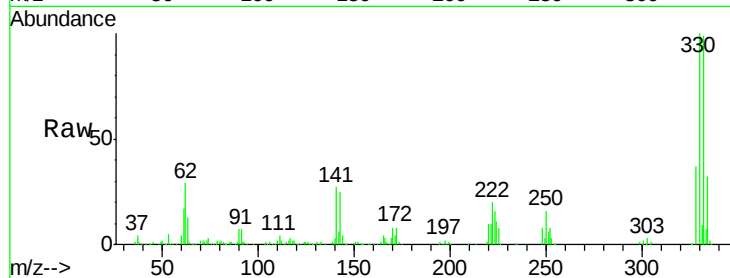




#41
 2,4,6-Tribromophenol
 Concen: 115.117 ng
 RT: 16.88 min Scan# 2314
 Delta R.T. -0.02 min
 Lab File: BG031954.D
 Acq: 9 Jan 2018 20:11

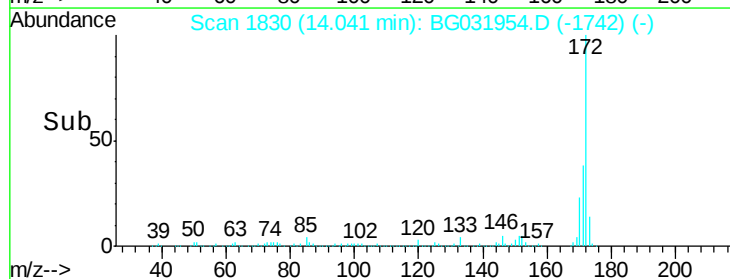
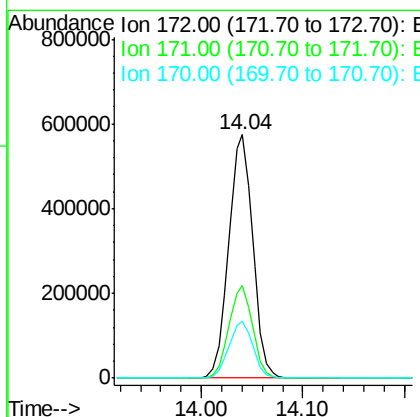
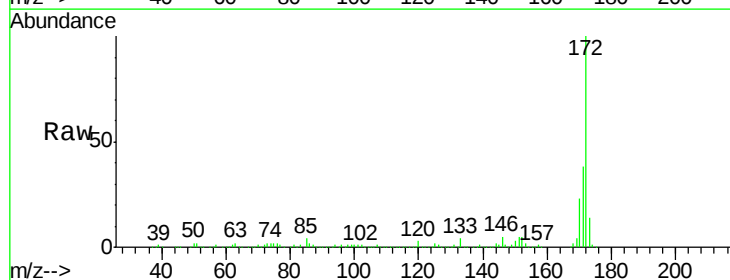
Instrument :
 BNA_G
 ClientSampled :

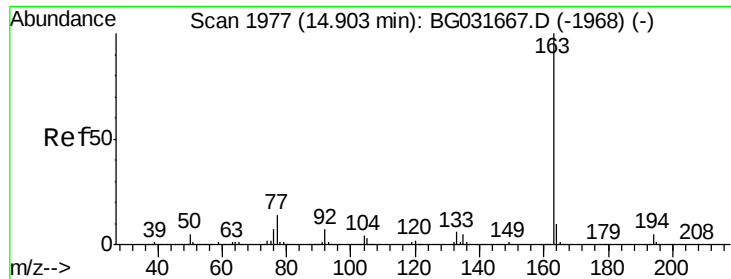
Tot Ion:330 Resp: 323773
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.0 115.6
 141 27.4 25.2 37.8



#44
 2-Fluorobiphenyl
 Concen: 64.024 ng
 RT: 14.04 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BG031954.D
 Acq: 9 Jan 2018 20:11

Tgt Ion:172 Resp: 940239
 Ion Ratio Lower Upper
 172 100
 171 38.0 30.0 45.0
 170 23.2 19.5 29.3





#49

Dimethylphthalate

Concen: 2.947 ng

RT: 14.83 min Scan# 1965

Delta R.T. -0.02 min

Lab File: BG031954.D

Acq: 9 Jan 2018 20:11

Instrument :

BNA_G

ClientSampleId :

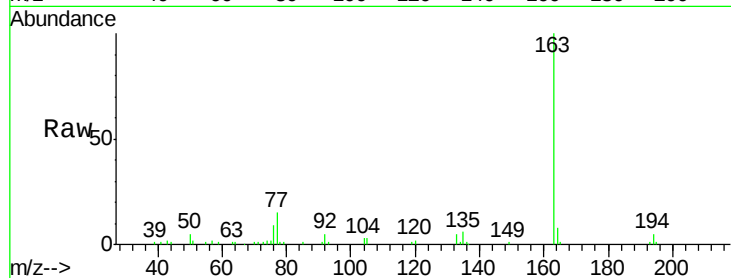
Tot Ion:163 Resp: 47853

Ion Ratio Lower Upper

163 100

194 5.1 3.4 5.2

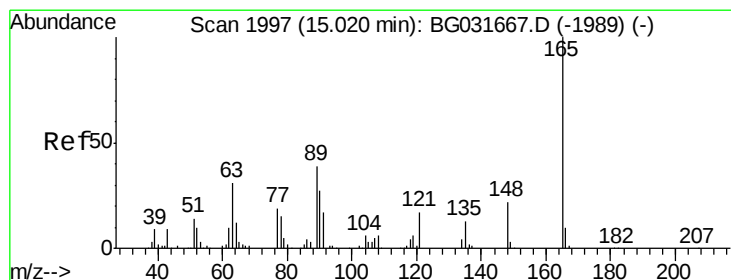
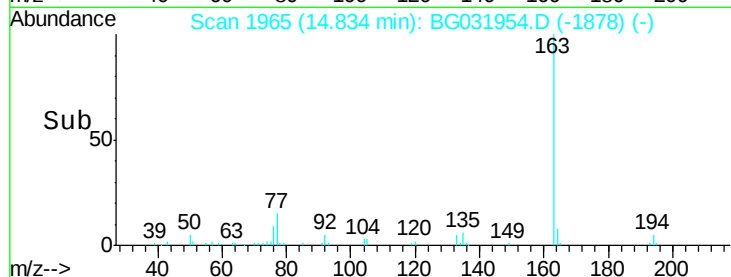
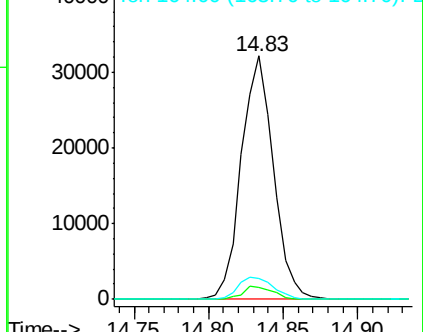
164 8.5 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.751 ng

RT: 15.41 min Scan# 2063

Delta R.T. 0.43 min

Lab File: BG031954.D

Acq: 9 Jan 2018 20:11

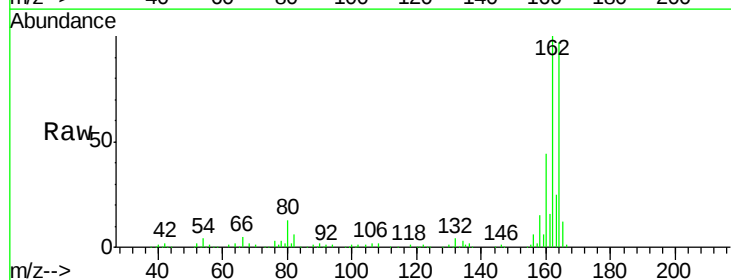
Tgt Ion:165 Resp: 23155

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

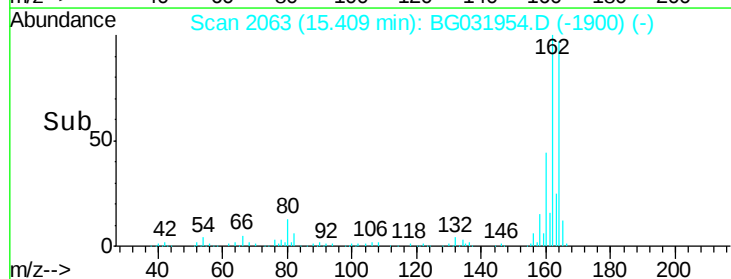
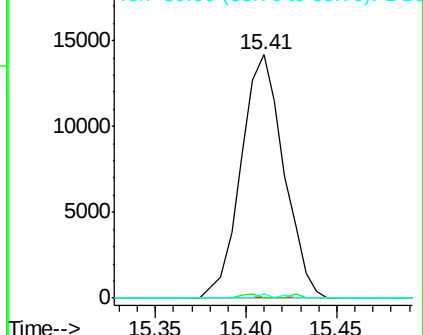
89 1.8 49.2 73.8#

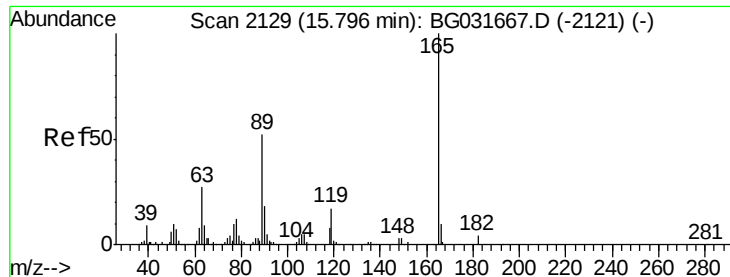


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

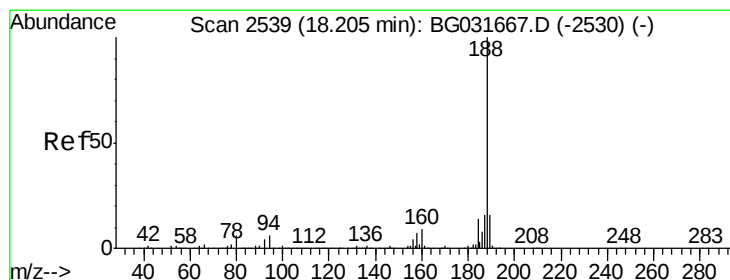
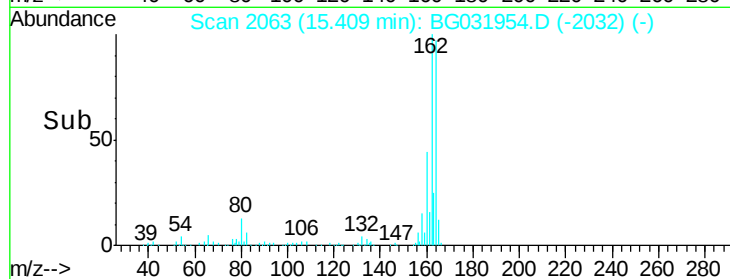
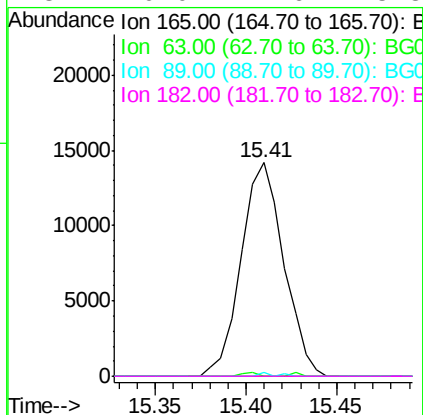
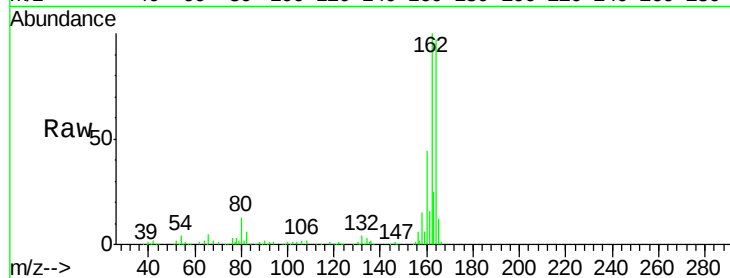




#56
2,4-Dinitrotoluene
Concen: 6.028 ng
RT: 15.41 min Scan# 2063
Delta R.T. -0.35 min
Lab File: BG031954.D
Acq: 9 Jan 2018 20:11

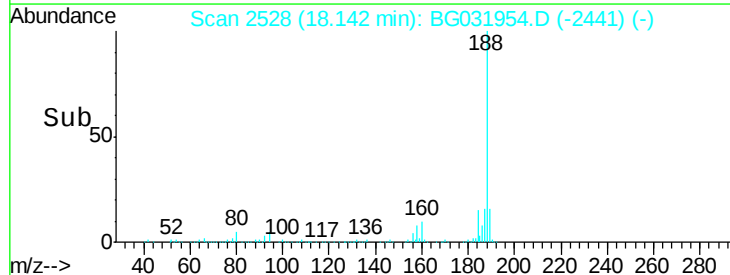
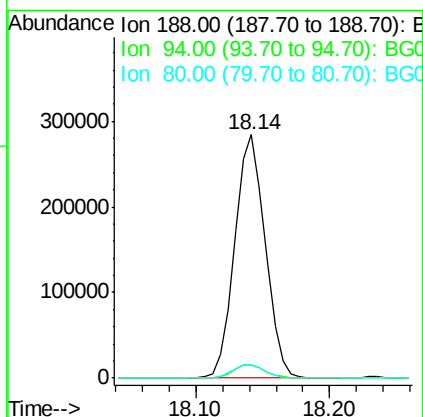
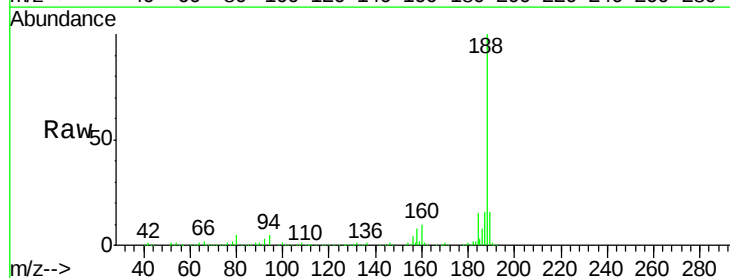
Instrument :
BNA_G
ClientSampleId :

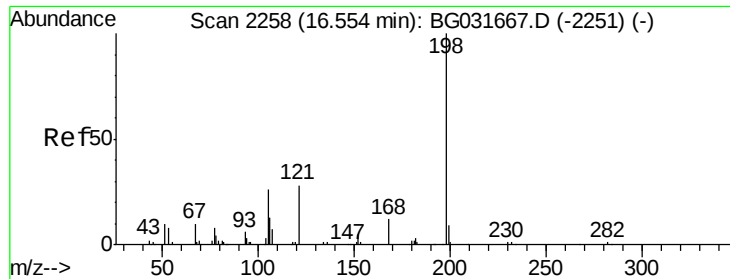
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.8	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.14 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BG031954.D
Acq: 9 Jan 2018 20:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.3	6.9	10.3#
80	5.2	7.7	11.5#

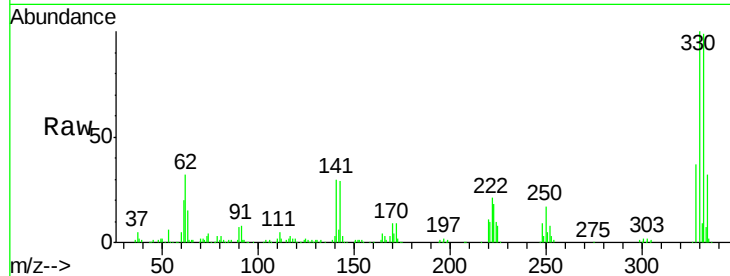




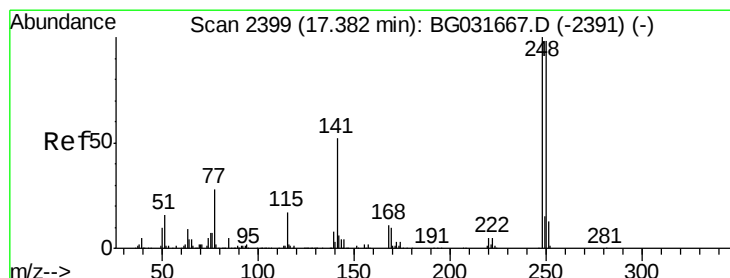
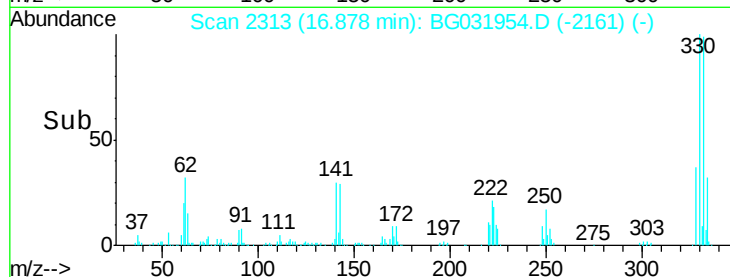
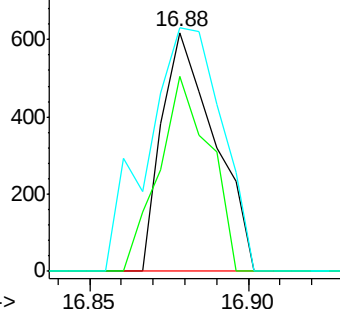
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.575 ng
 RT: 16.88 min Scan# 2313
 Delta R.T. 0.36 min
 Lab File: BG031954.D
 Acq: 9 Jan 2018 20:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 711
 Ion Ratio Lower Upper
 198 100
 51 81.6 30.6 70.6#
 105 102.1 23.8 63.8#

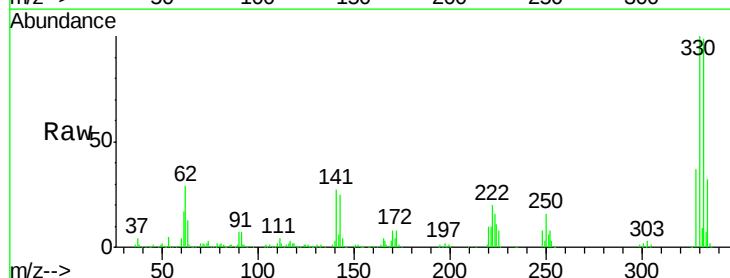


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

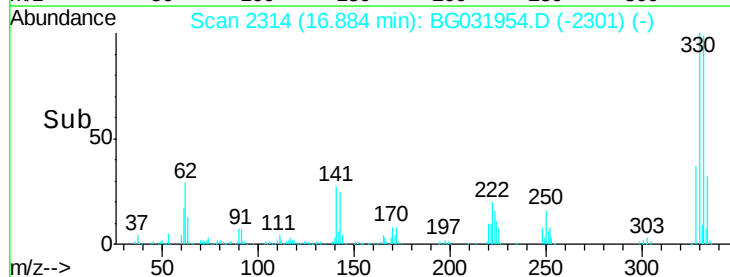
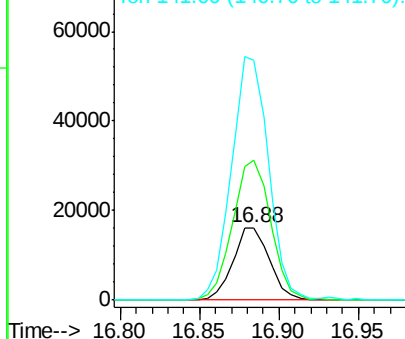


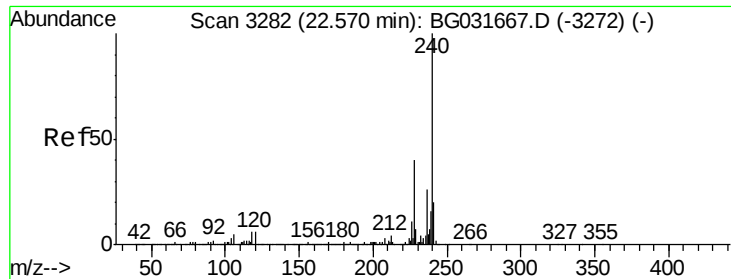
#66
 4-Bromophenyl-phenylether
 Concen: 3.970 ng
 RT: 16.88 min Scan# 2314
 Delta R.T. -0.45 min
 Lab File: BG031954.D
 Acq: 9 Jan 2018 20:11

Tgt Ion:248 Resp: 25803
 Ion Ratio Lower Upper
 248 100
 250 193.4 77.1 115.7#
 141 332.8 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# 3266

Delta R.T. -0.04 min

Lab File: BG031954.D

Acq: 9 Jan 2018 20:11

Instrument :

BNA_G

ClientSampleId :

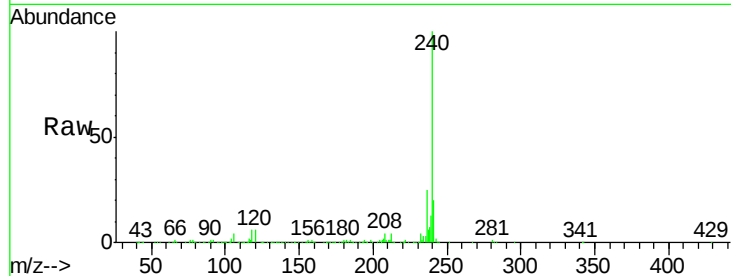
Tot Ion:240 Resp: 505832

Ion Ratio Lower Upper

240 100

120 5.8 6.8 10.2#

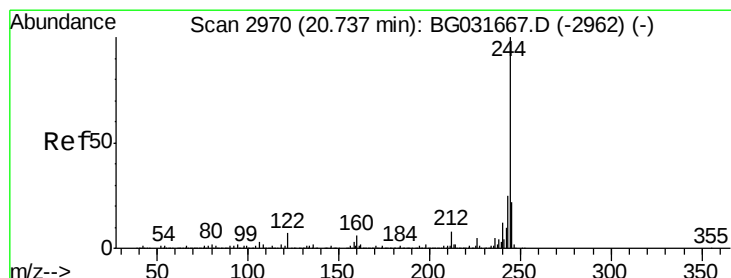
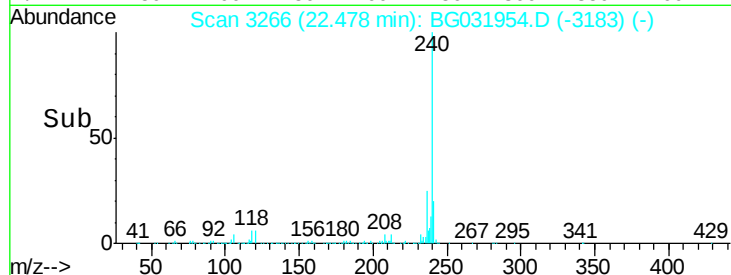
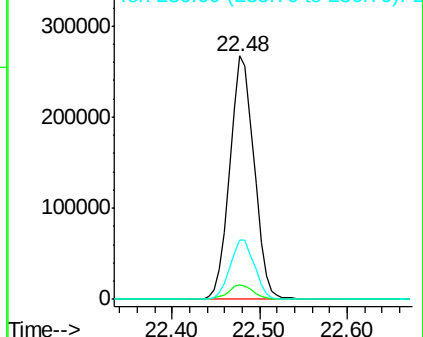
236 24.6 20.9 31.3



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: 67.265 ng

RT: 20.67 min Scan# 2959

Delta R.T. -0.02 min

Lab File: BG031954.D

Acq: 9 Jan 2018 20:11

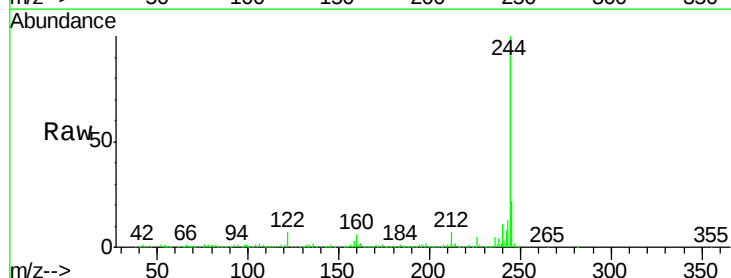
Tgt Ion:244 Resp: 1489269

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

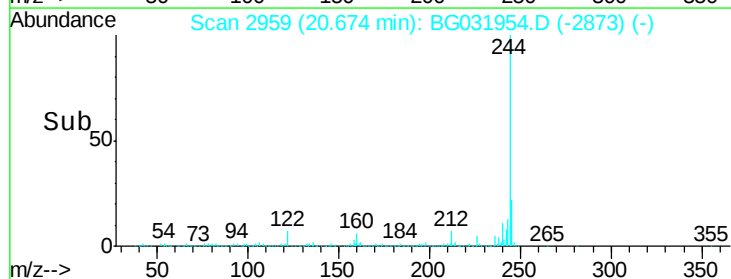
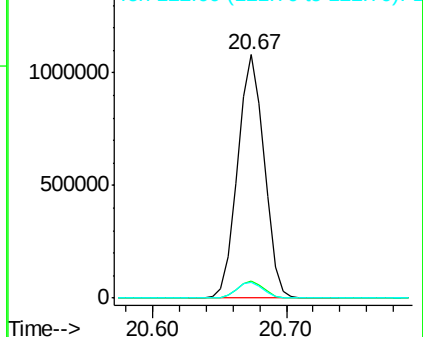
122 6.6 7.0 10.4#

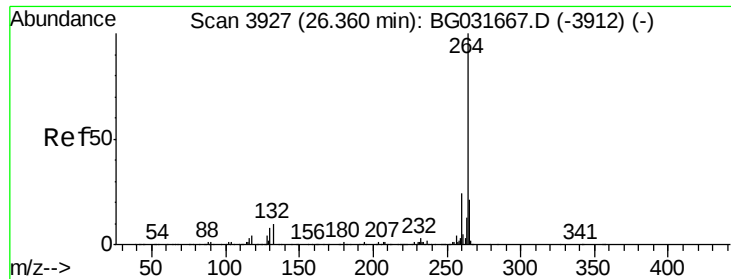


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

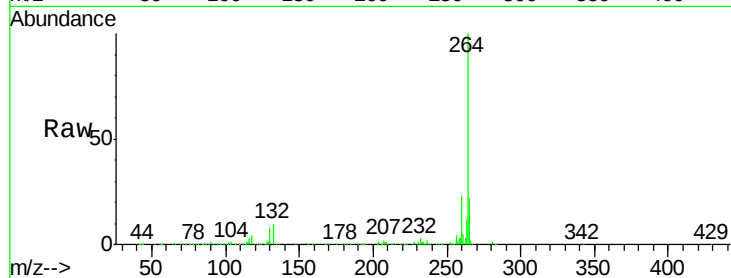




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.20 min Scan# 3900
Delta R.T. -0.09 min
Lab File: BG031954.D
Acq: 9 Jan 2018 20:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.0
265	21.8	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

