

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061518\
 Data File : BG035204.D
 Acq On : 16 Jun 2018 12:26
 Operator : SJ/JU
 Sample : J3501-08
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 18 01:19:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

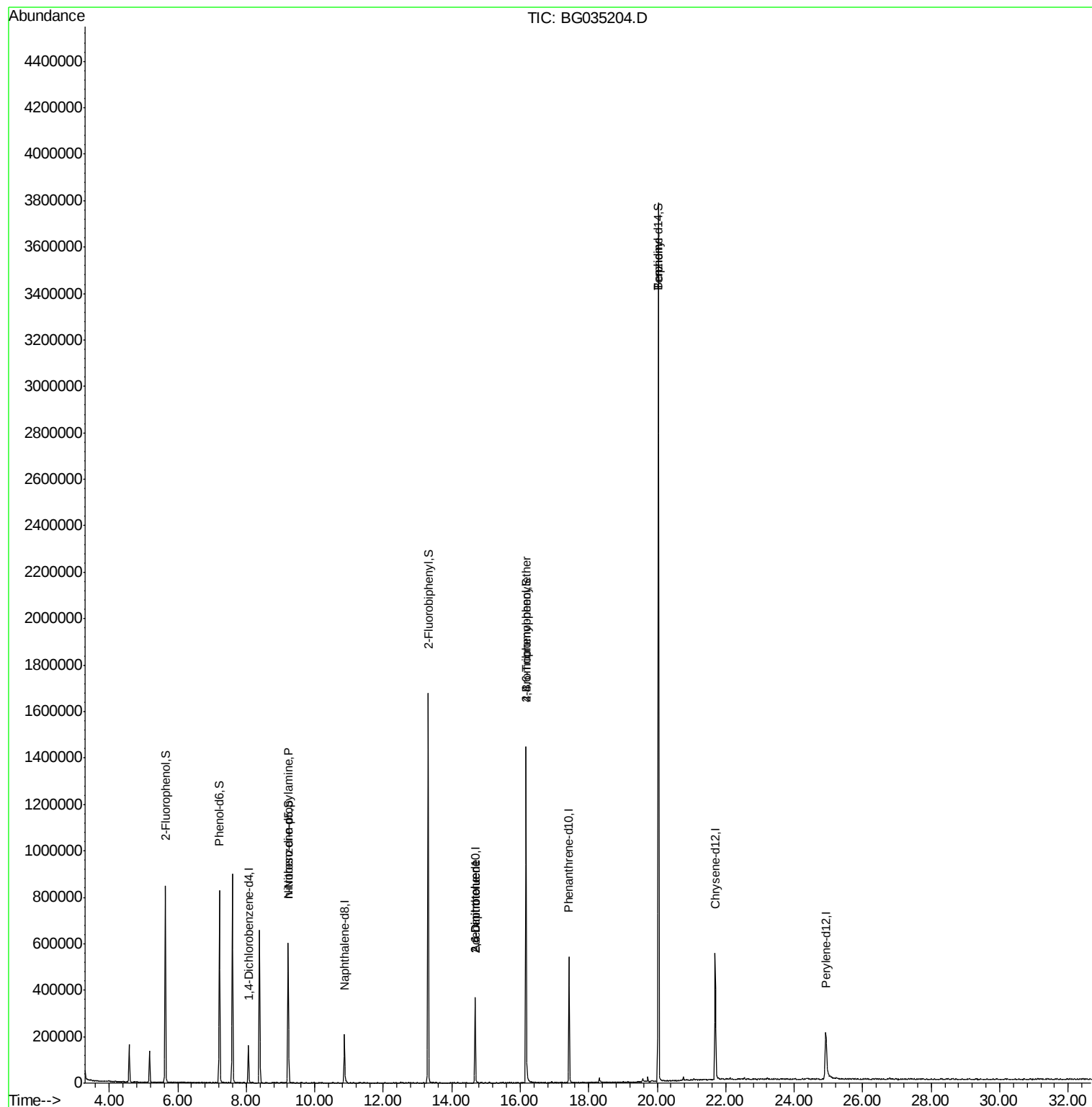
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	43079	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	168729	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	125632	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	349325	20.00	ng	-0.01
75) Chrysene-d12	21.69	240	378189	20.00	ng	-0.02
86) Perylene-d12	24.92	264	282500	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	365035	143.00	ng	0.00
7) Phenol-d6	7.22	99	488303	129.61	ng	0.00
23) Nitrobenzene-d5	9.22	82	390755	110.08	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	273444	170.03	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	904041	93.55	ng	-0.02
78) Terphenyl-d14	20.03	244	1764767	97.75	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	53636	16.757	ng	# 69
50) 2,6-Dinitrotoluene	14.68	165	16911	8.461	ng	# 18
56) 2,4-Dinitrotoluene	14.68	165	16911	6.370	ng	# 16
66) 4-Bromophenyl-phenylether	16.17	248	21822	5.187	ng	# 1
76) Benzidine	20.03	184	31099	2.210	ng	# 95

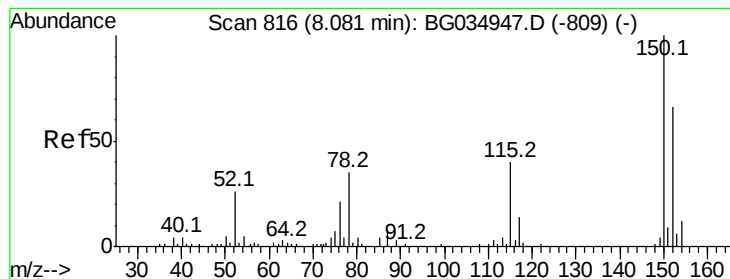
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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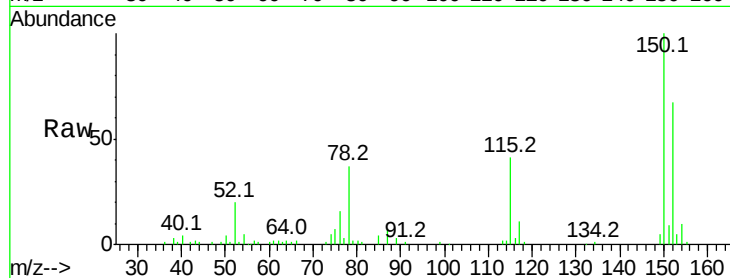


#1

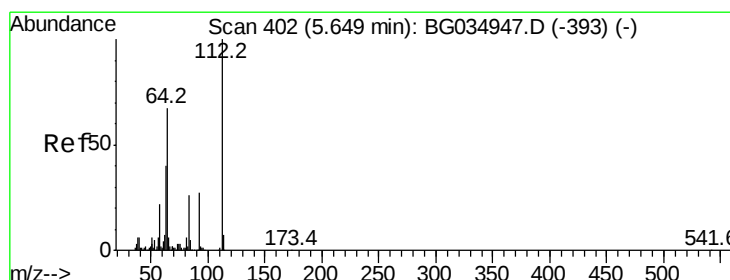
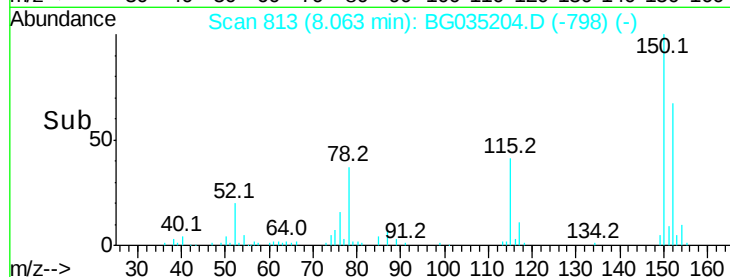
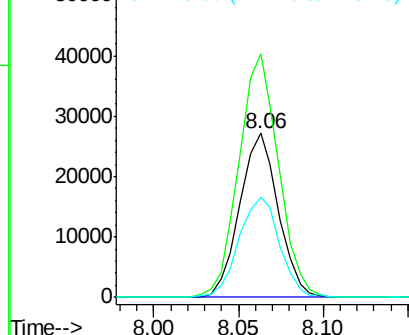
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG035204.D
Acq: 16 Jun 2018 12:26

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 43079
Ion Ratio Lower Upper
152 100
150 148.4 126.6 189.8
115 61.5 53.0 79.4



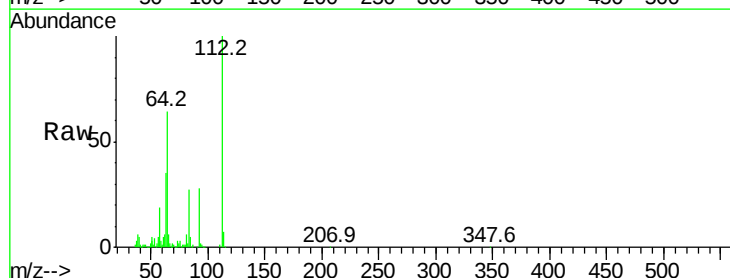
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



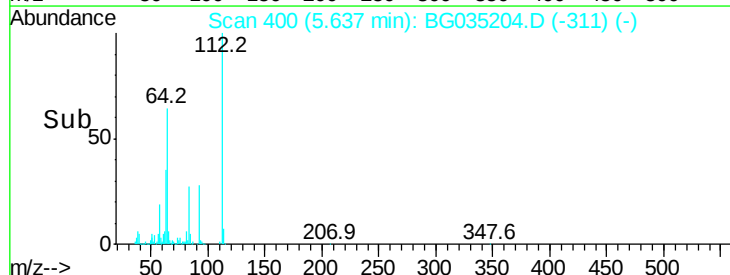
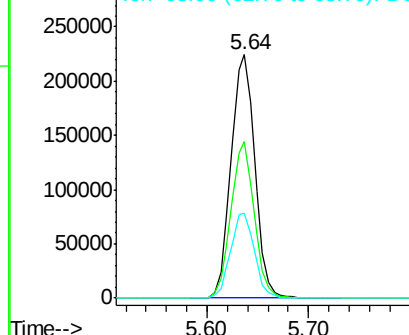
#5

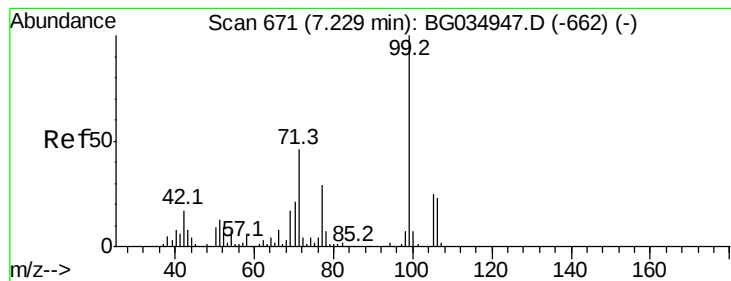
2-Fluorophenol
Concen: 143.001 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG035204.D
Acq: 16 Jun 2018 12:26

Tgt Ion:112 Resp: 365035
Ion Ratio Lower Upper
112 100
64 64.4 56.3 84.5
63 35.0 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: 129.606 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035204.D

Acq: 16 Jun 2018 12:26

Instrument :

BNA_G

ClientSampleId :

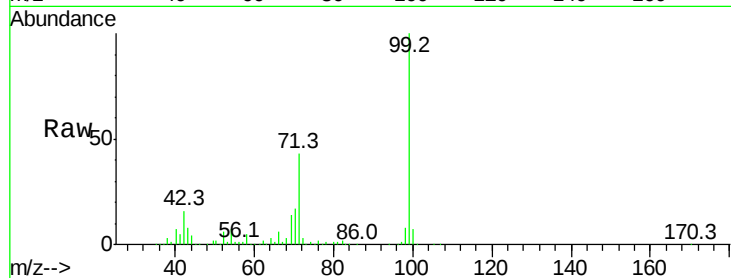
Tot Ion: 99 Resp: 488303

Ion Ratio Lower Upper

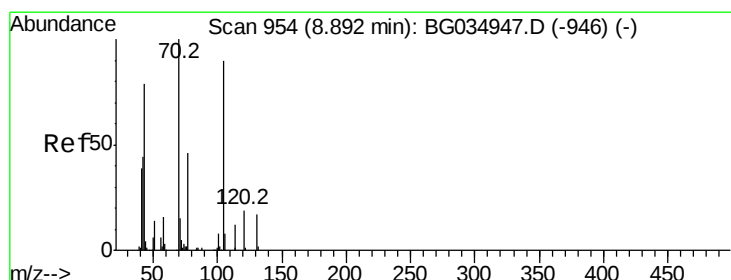
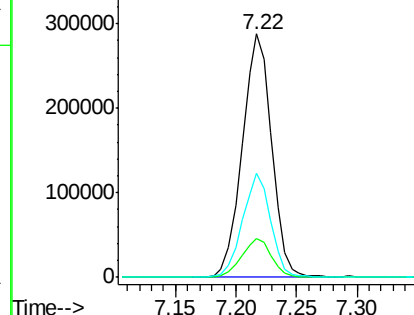
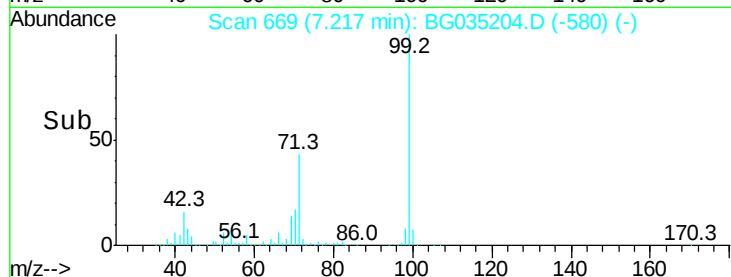
99 100

42 16.0 14.1 21.1

71 42.5 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: 16.757 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035204.D

Acq: 16 Jun 2018 12:26

Tgt Ion: 70 Resp: 53636

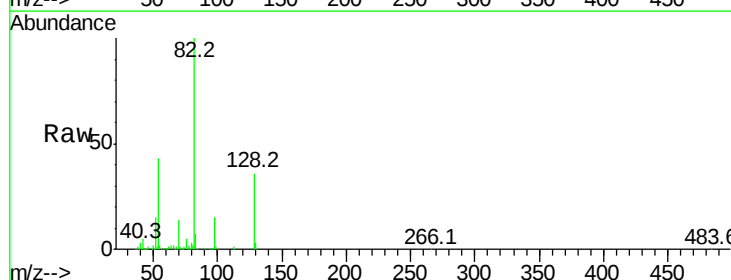
Ion Ratio Lower Upper

70 100

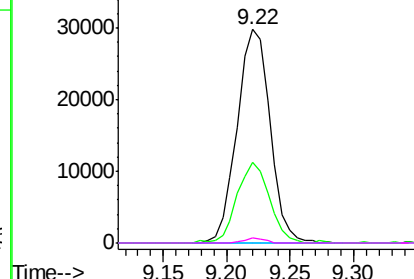
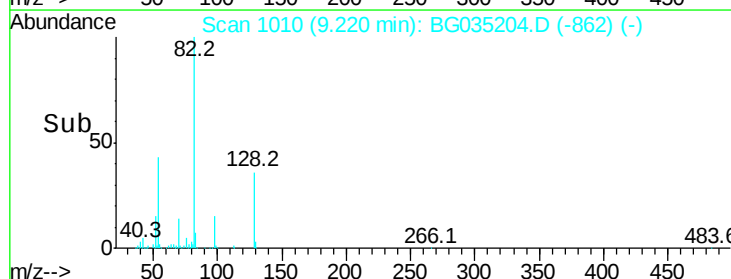
42 37.9 49.1 73.7#

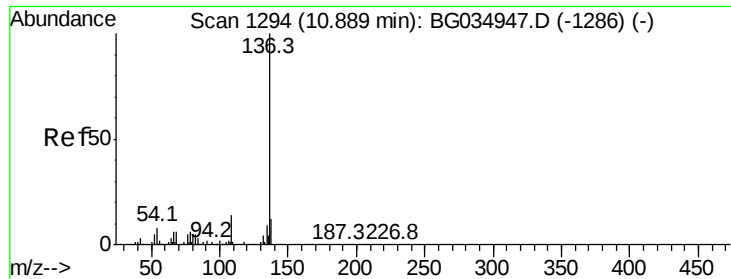
101 0.0 8.5 12.7#

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

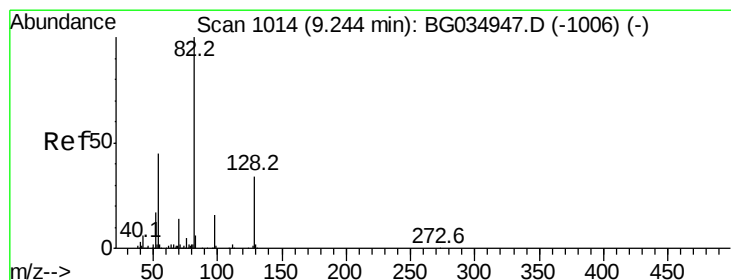
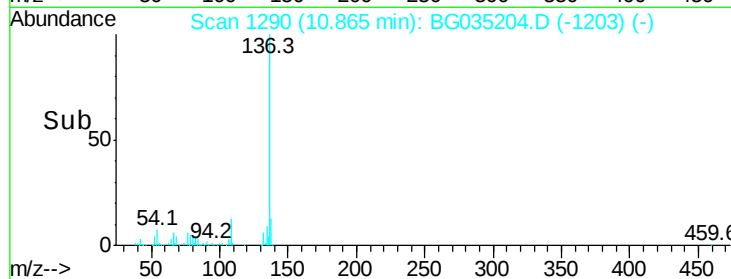
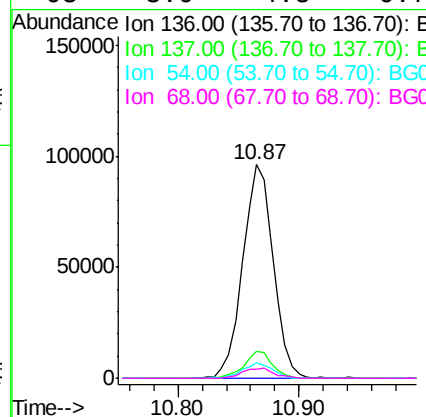
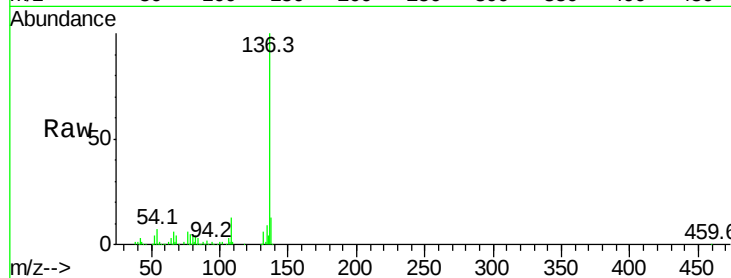




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035204.D
Acq: 16 Jun 2018 12:26

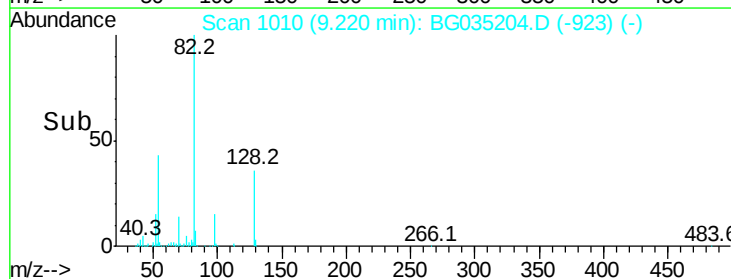
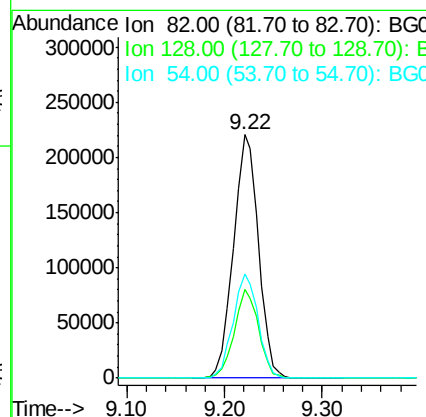
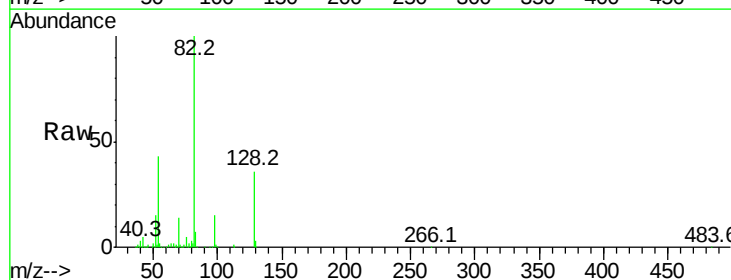
Instrument :
BNA_G
ClientSampleId :

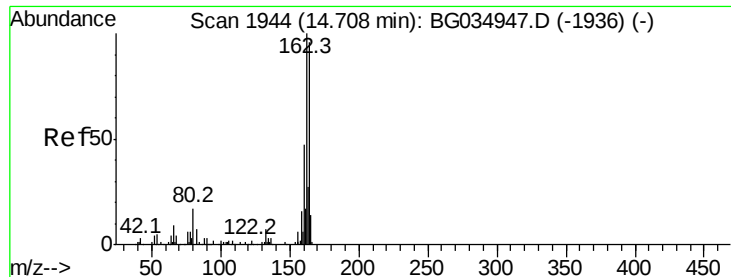
Tot Ion:	136	Resp:	168729
Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.2	13.8
54	7.2	10.3	15.5#
68	3.9	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 110.084 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035204.D
Acq: 16 Jun 2018 12:26

Tgt Ion:	82	Resp:	390755
Ion	Ratio	Lower	Upper
82	100		
128	36.5	29.7	44.5
54	42.8	43.1	64.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG035204.D

Acq: 16 Jun 2018 12:26

Instrument :

BNA_G

ClientSampleId :

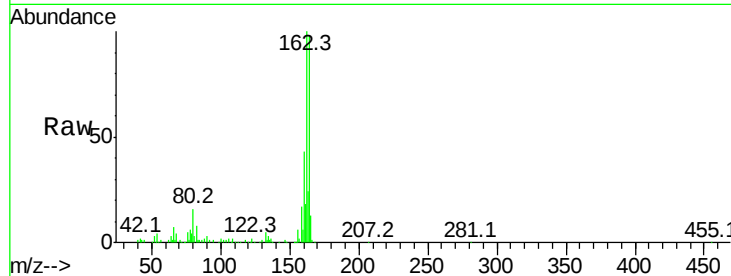
Tot Ion:164 Resp: 125632

Ion Ratio Lower Upper

164 100

162 102.0 78.8 118.2

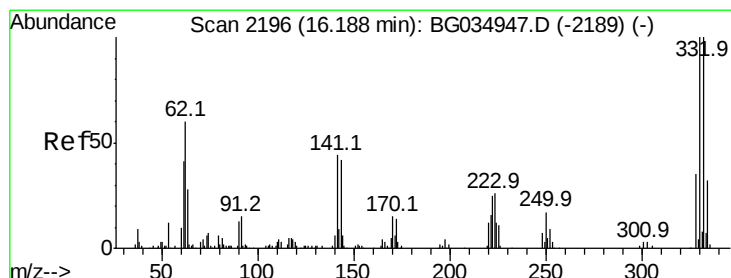
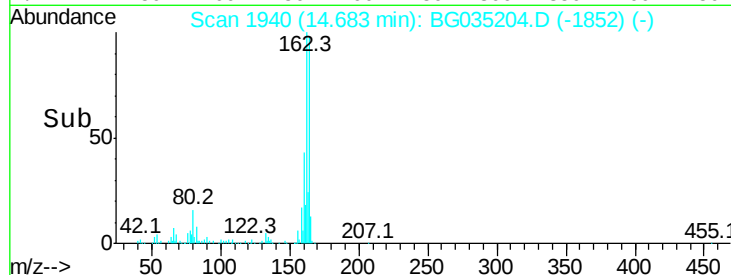
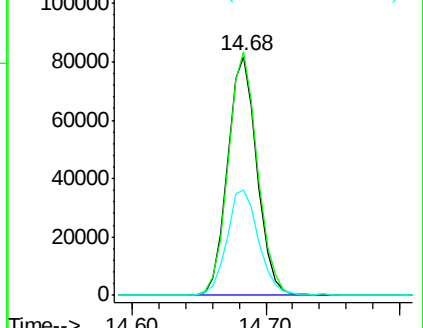
160 44.2 35.4 53.0



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: 170.026 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG035204.D

Acq: 16 Jun 2018 12:26

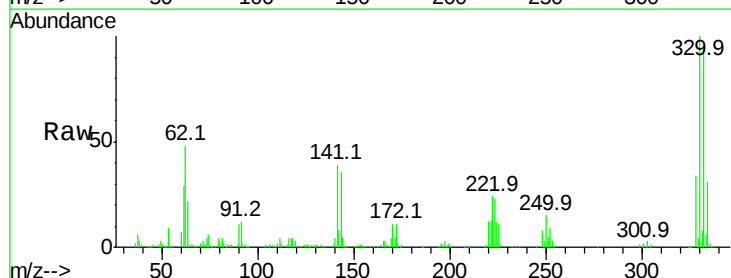
Tgt Ion:330 Resp: 273444

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

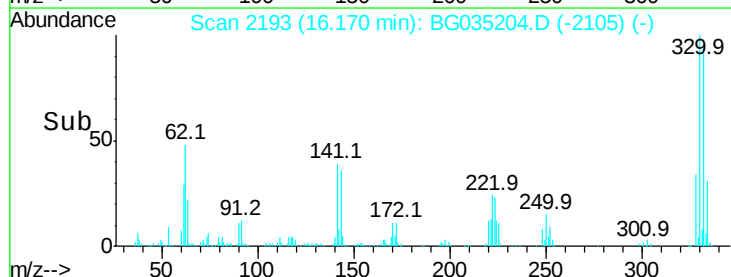
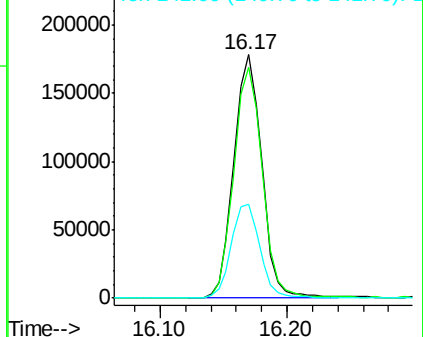
141 39.8 25.2 37.8#

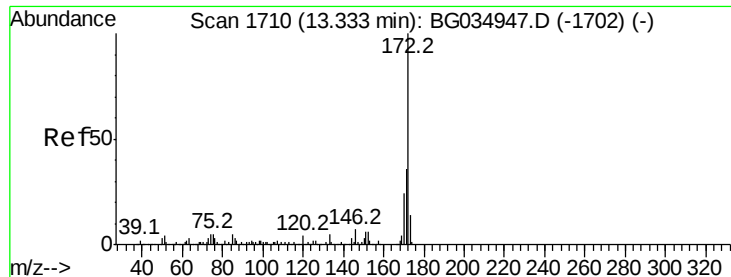


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

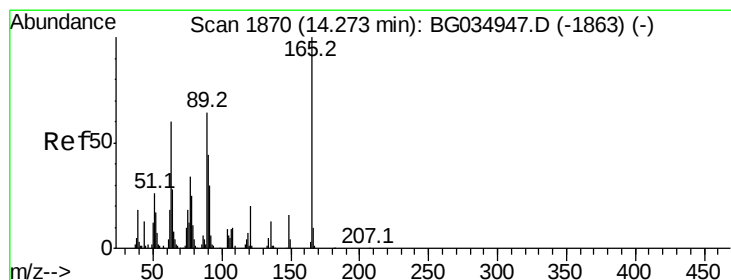
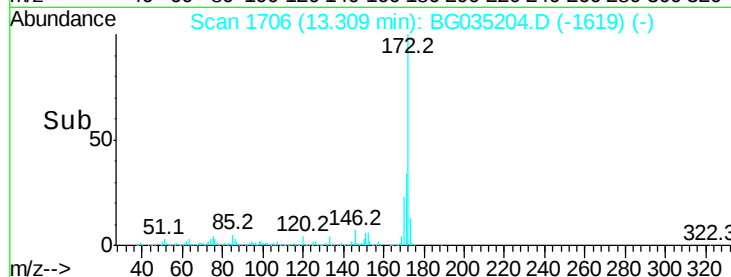
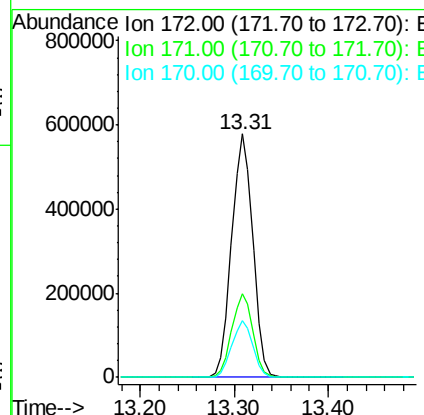
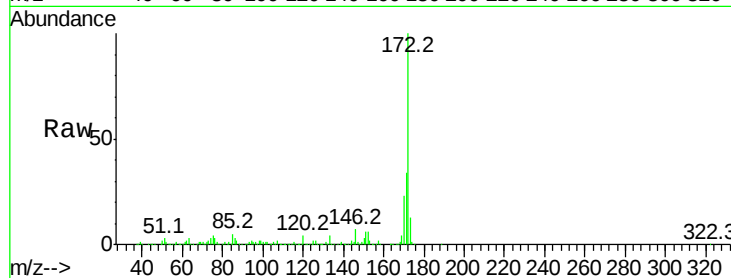




#44
2-Fluorobiphenyl
Concen: 93.547 ng
RT: 13.31 min Scan# 1706
Delta R.T. -0.02 min
Lab File: BG035204.D
Acq: 16 Jun 2018 12:26

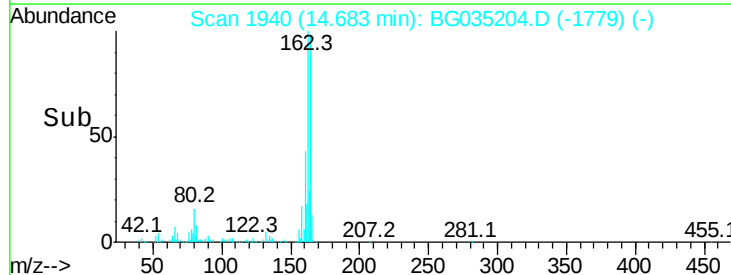
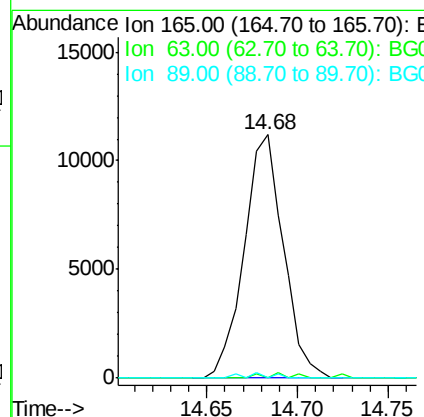
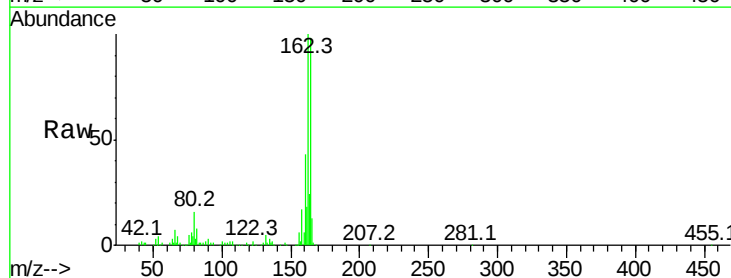
Instrument :
BNA_G
ClientSampleId :

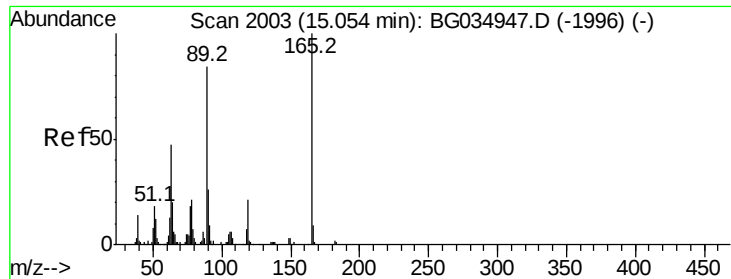
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	30.0	45.0
170	23.3	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 8.461 ng
RT: 14.68 min Scan# 1940
Delta R.T. 0.42 min
Lab File: BG035204.D
Acq: 16 Jun 2018 12:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#

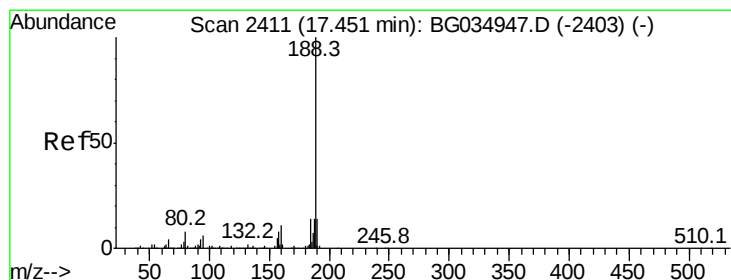
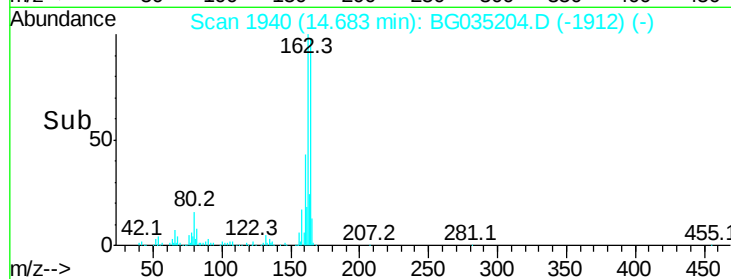
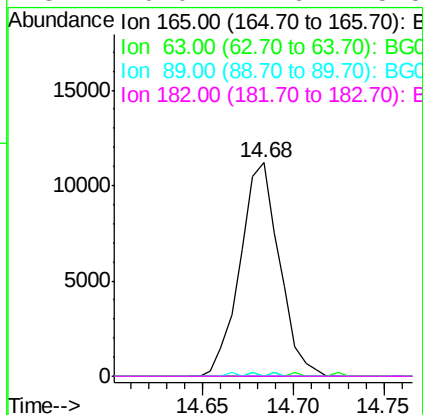
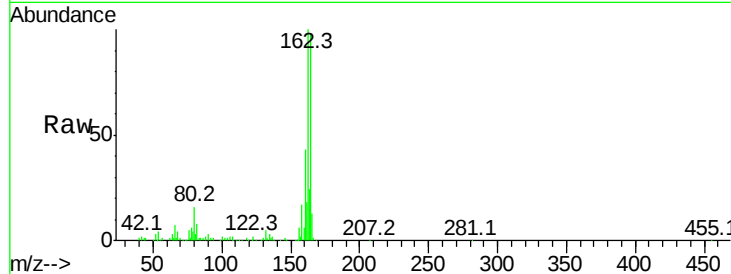




#56
2,4-Dinitrotoluene
Concen: 6.370 ng
RT: 14.68 min Scan# 1940
Delta R.T. -0.37 min
Lab File: BG035204.D
Acq: 16 Jun 2018 12:26

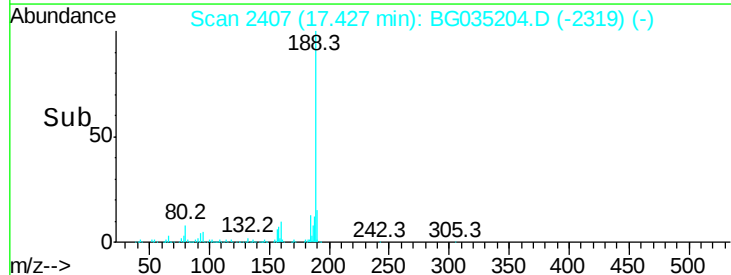
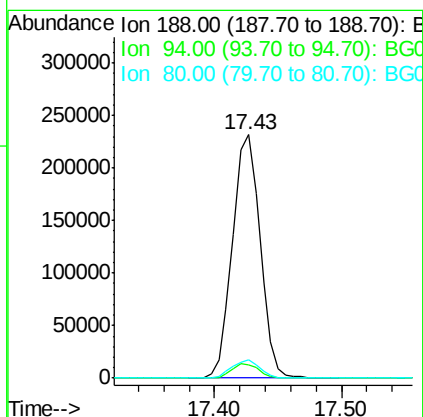
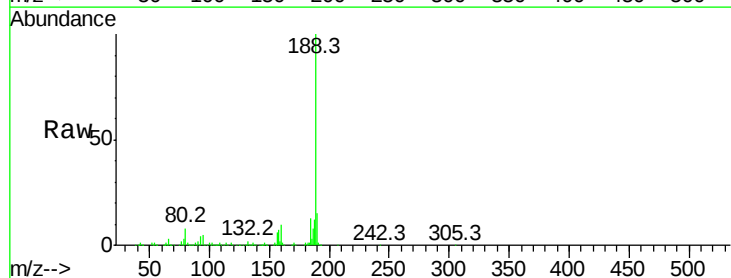
Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 16911
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#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BG035204.D
Acq: 16 Jun 2018 12:26

Tgt Ion:188 Resp: 349325
Ion Ratio Lower Upper
188 100
94 5.2 6.9 10.3#
80 7.6 7.7 11.5#

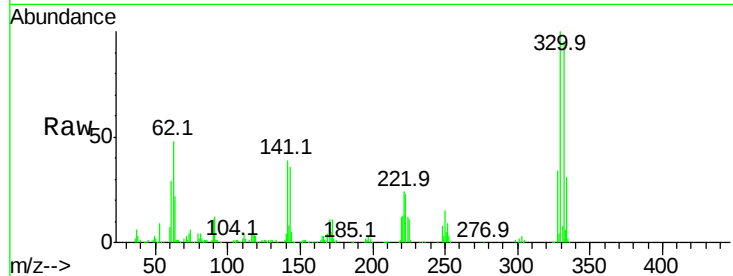




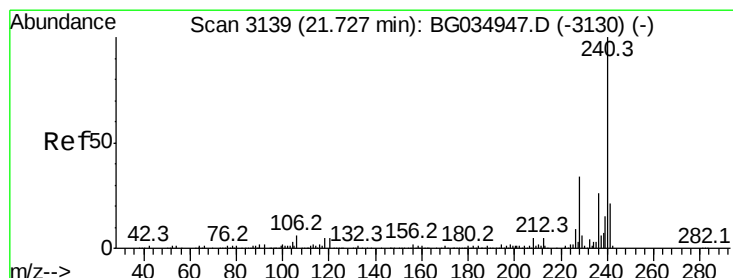
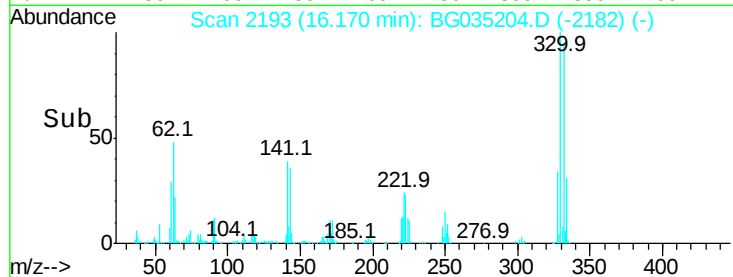
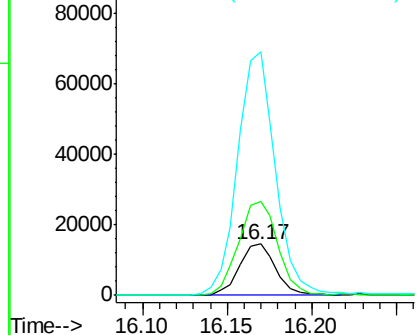
#66
4-Bromophenyl-phenylether
Concen: 5.187 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.47 min
Lab File: BG035204.D
Acq: 16 Jun 2018 12:26

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 21822
Ion Ratio Lower Upper
248 100
250 184.8 77.1 115.7#
141 476.6 50.8 76.2#

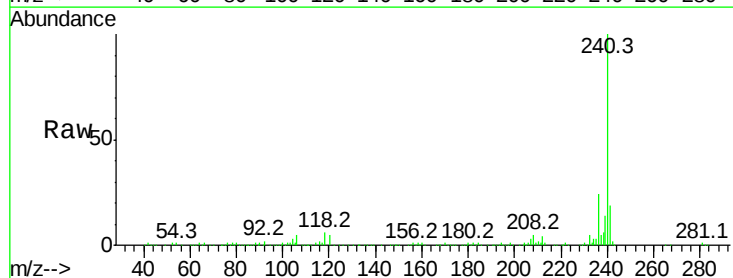


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

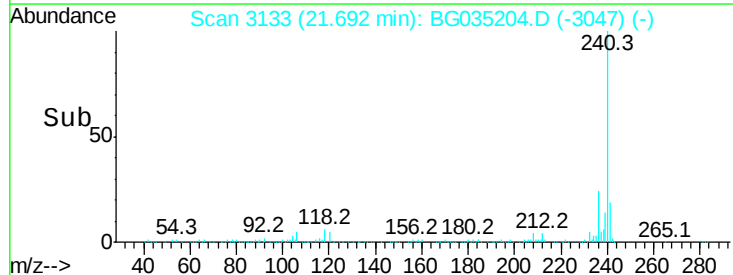
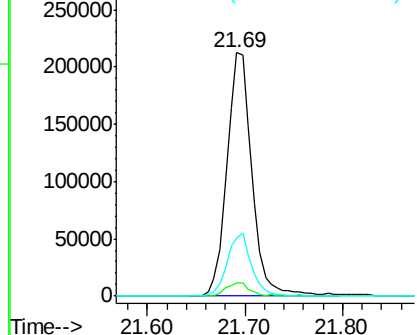


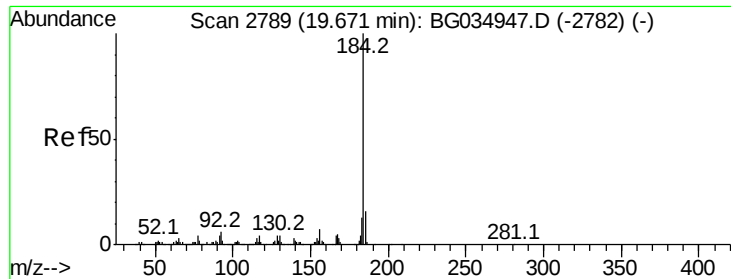
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3133
Delta R.T. -0.02 min
Lab File: BG035204.D
Acq: 16 Jun 2018 12:26

Tgt Ion:240 Resp: 378189
Ion Ratio Lower Upper
240 100
120 5.4 6.8 10.2#
236 23.9 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: 2.210 ng

RT: 20.03 min Scan# 2851

Delta R.T. 0.37 min

Lab File: BG035204.D

Acq: 16 Jun 2018 12:26

Instrument :

BNA_G

ClientSampleId :

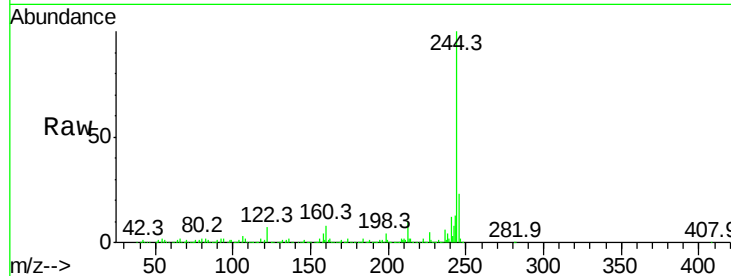
Tot Ion:184 Resp: 31099

Ion Ratio Lower Upper

184 100

185 15.3 11.1 16.7

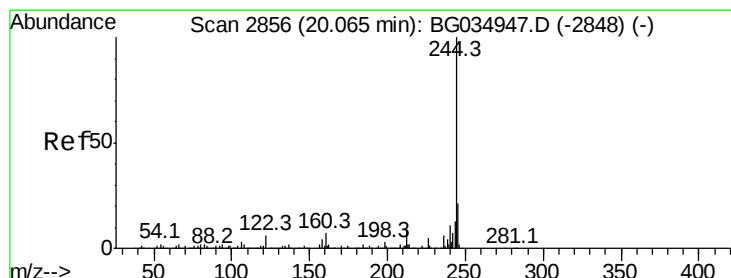
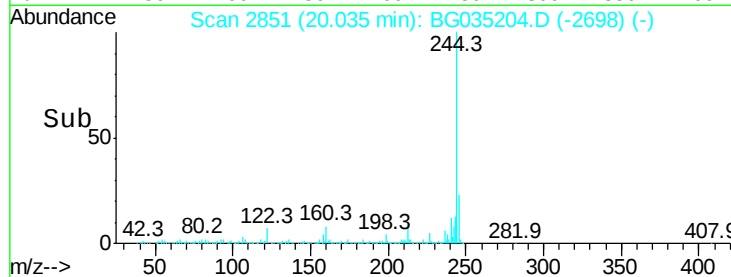
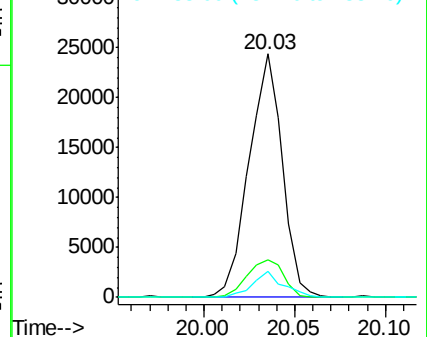
183 10.6 10.6 16.0#



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: 97.745 ng

RT: 20.03 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG035204.D

Acq: 16 Jun 2018 12:26

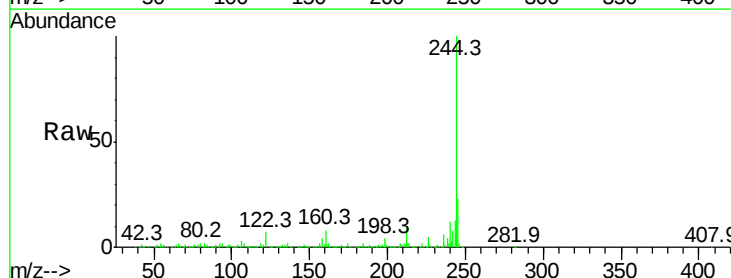
Tgt Ion:244 Resp: 1764767

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

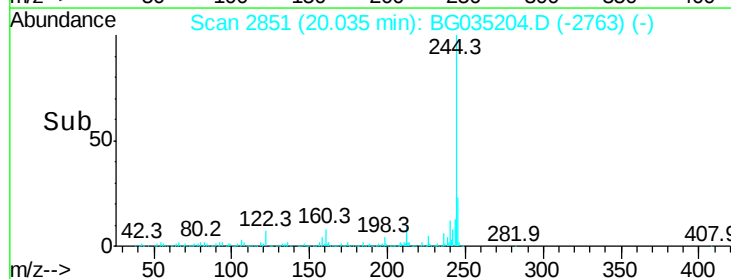
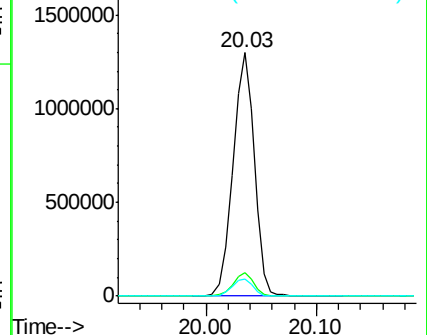
122 6.9 7.0 10.4#

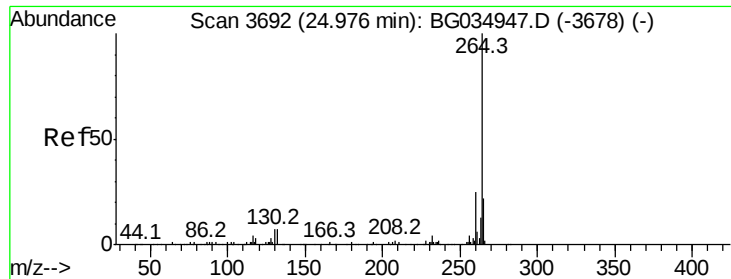


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

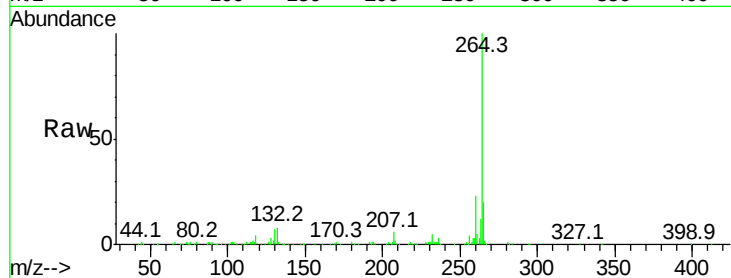




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3683
Delta R.T. -0.03 min
Lab File: BG035204.D
Acq: 16 Jun 2018 12:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	20.4	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

