

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061518\
 Data File : BG035205.D
 Acq On : 16 Jun 2018 13:05
 Operator : SJ/JU
 Sample : J3501-12
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 18 01:19:36 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

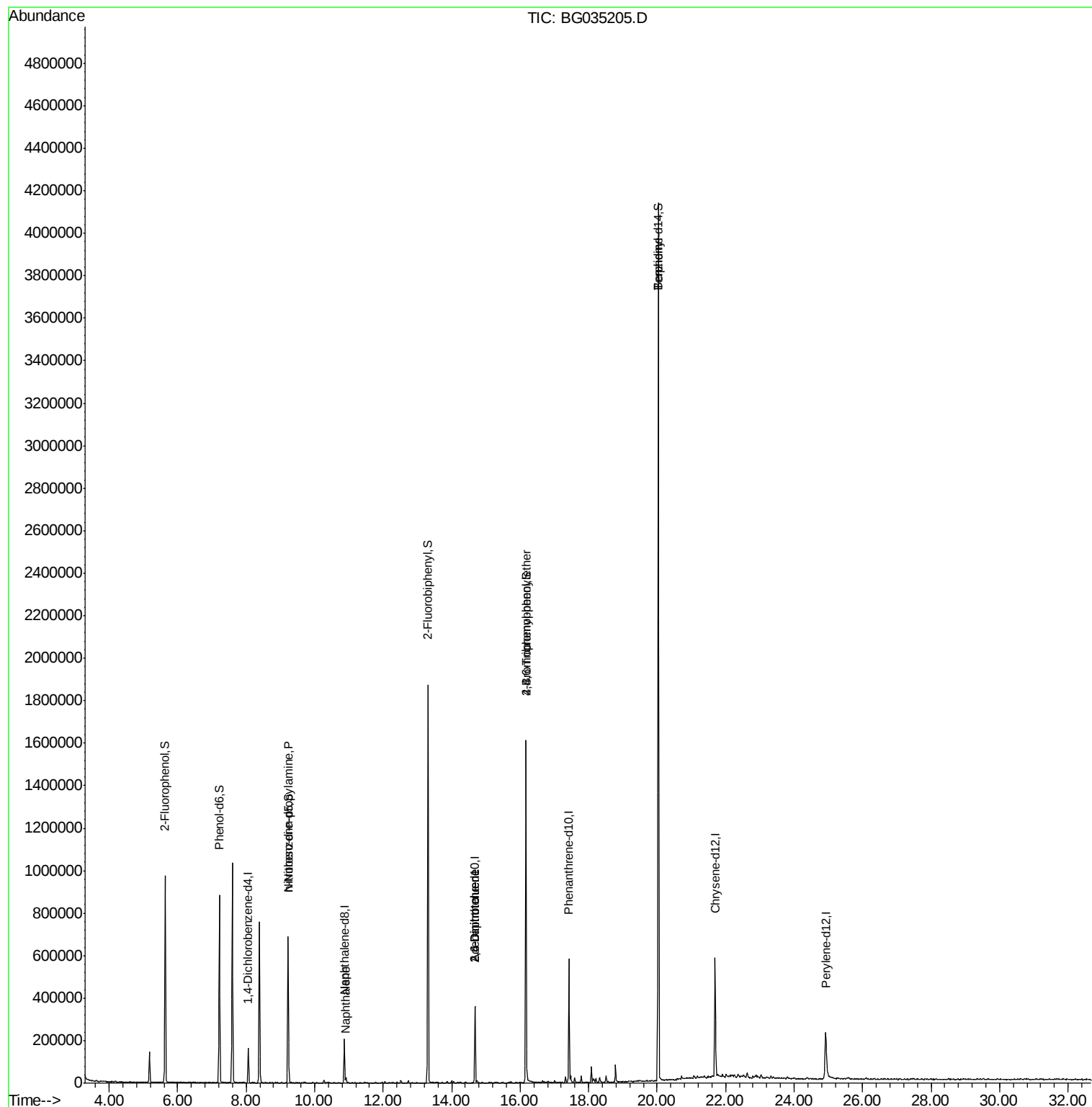
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	44074	20.00	ng	-0.02
21) Naphthalene-d8	10.87	136	169907	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	128965	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	351423	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	377261	20.00	ng	-0.02
86) Perylene-d12	24.92	264	312519	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	406010	155.46	ng	0.00
7) Phenol-d6	7.22	99	550442	142.80	ng	0.00
23) Nitrobenzene-d5	9.22	82	454192	127.07	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	304369	184.36	ng	-0.02
44) 2-Fluorobiphenyl	13.31	172	1029175	103.74	ng	-0.02
78) Terphenyl-d14	20.03	244	1942004	107.83	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	63747	19.466	ng	# 66
31) Naphthalene	10.92	128	19107	2.165	ng	# 88
50) 2,6-Dinitrotoluene	14.68	165	17174	8.371	ng	# 22
56) 2,4-Dinitrotoluene	14.68	165	17174	6.301	ng	# 19
66) 4-Bromophenyl-phenylether	16.17	248	23901	5.648	ng	# 1
76) Benzidine	20.04	184	35982	2.564	ng	96

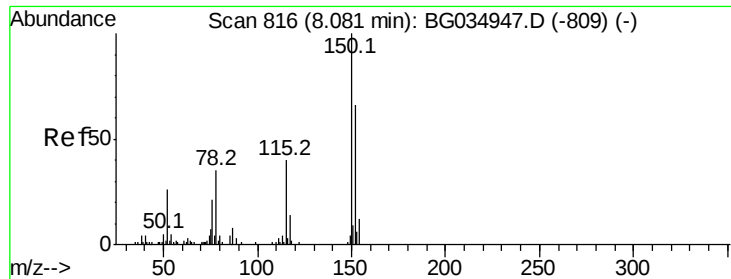
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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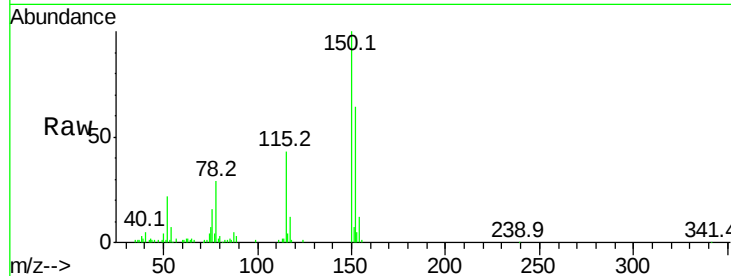


#1

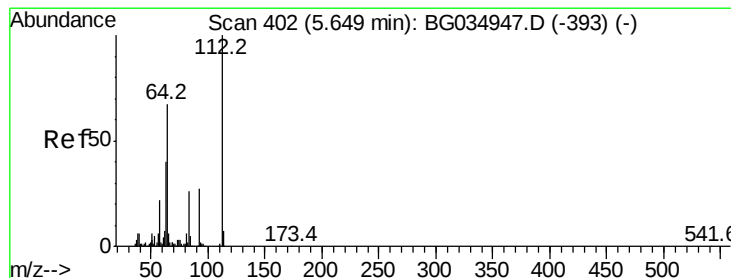
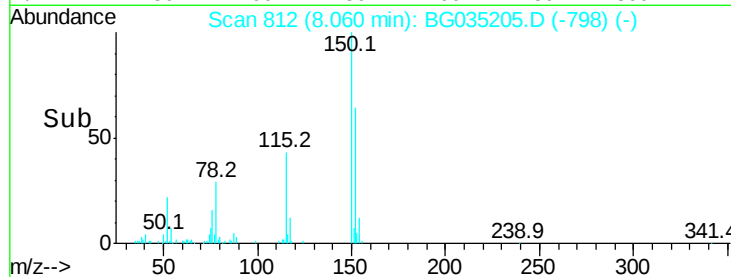
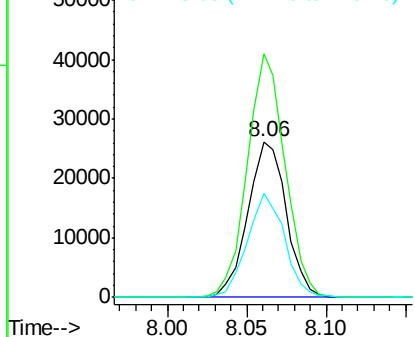
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.02 min
Lab File: BG035205.D
Acq: 16 Jun 2018 13:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 44074
Ion Ratio Lower Upper
152 100
150 156.2 126.6 189.8
115 67.1 53.0 79.4



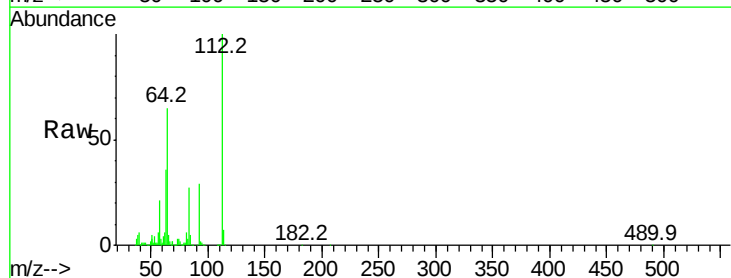
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



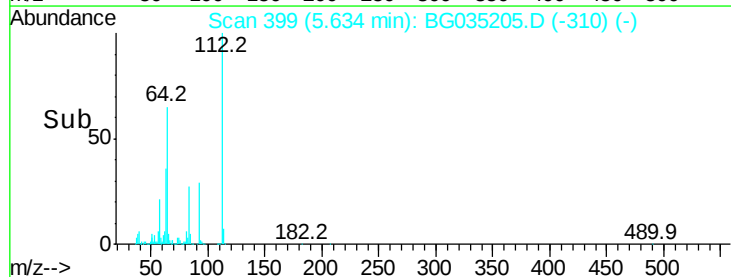
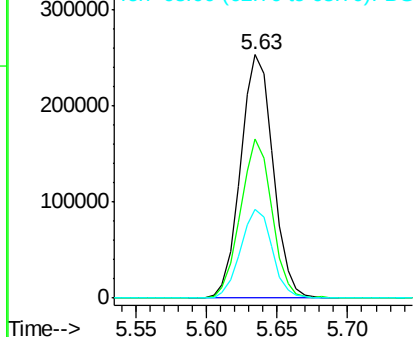
#5

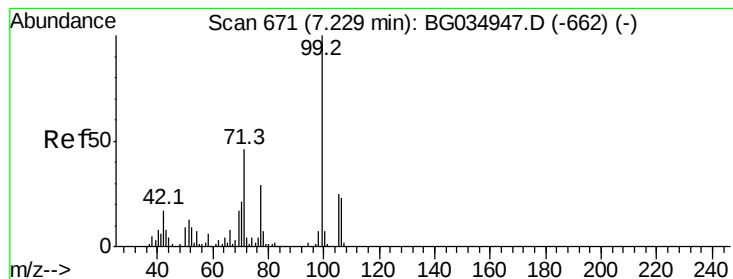
2-Fluorophenol
Concen: 155.463 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035205.D
Acq: 16 Jun 2018 13:05

Tgt Ion:112 Resp: 406010
Ion Ratio Lower Upper
112 100
64 65.3 56.3 84.5
63 36.3 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 142.801 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035205.D

Acq: 16 Jun 2018 13:05

Instrument :

BNA_G

ClientSampleId :

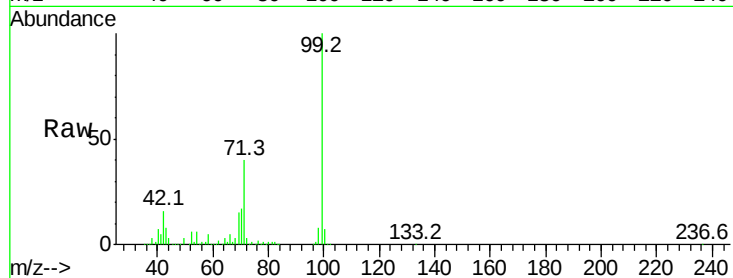
Tot Ion: 99 Resp: 550442

Ion Ratio Lower Upper

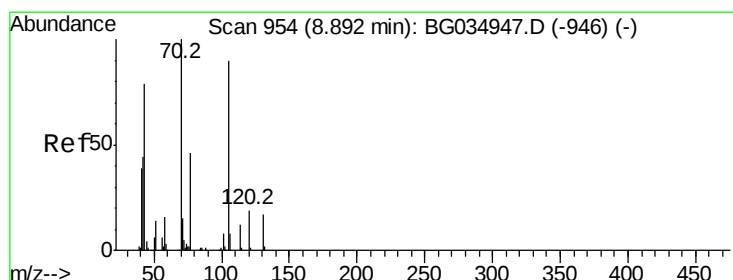
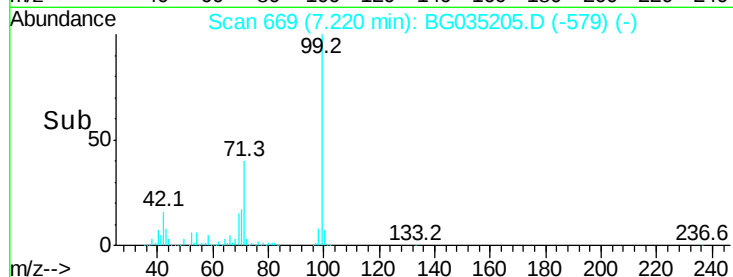
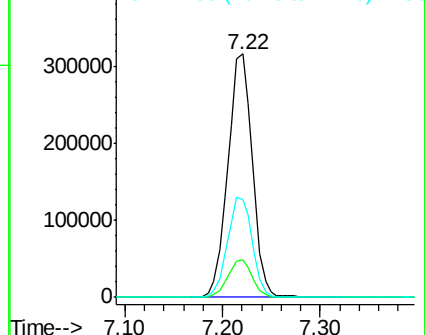
99 100

42 15.7 14.1 21.1

71 40.1 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



#19

n-Nitroso-di-n-propylamine

Concen: 19.466 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035205.D

Acq: 16 Jun 2018 13:05

Tgt Ion: 70 Resp: 63747

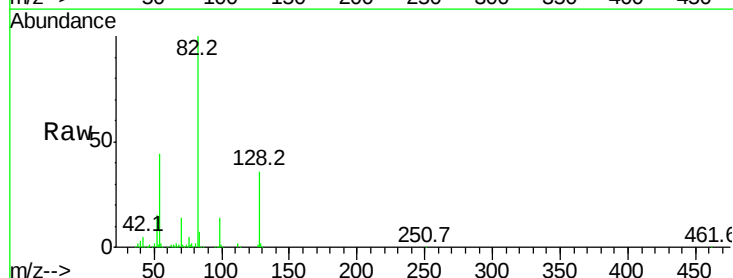
Ion Ratio Lower Upper

70 100

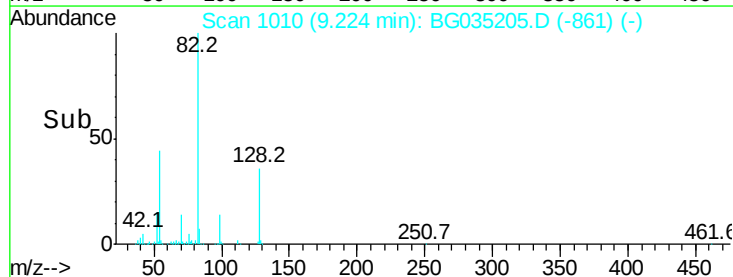
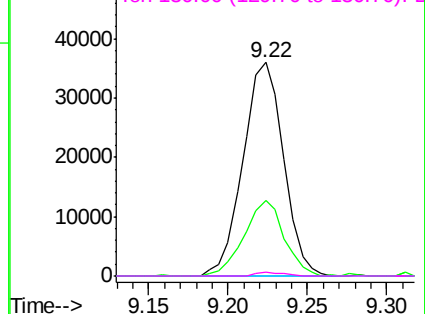
42 35.2 49.1 73.7#

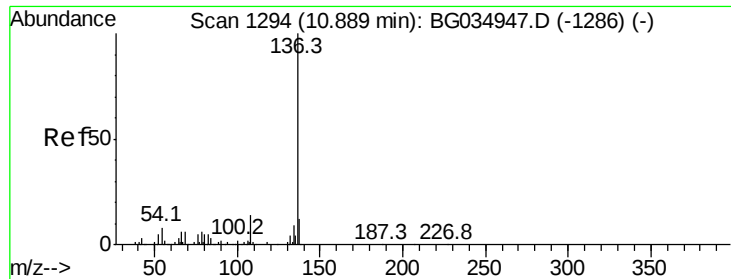
101 0.0 8.5 12.7#

130 1.6 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

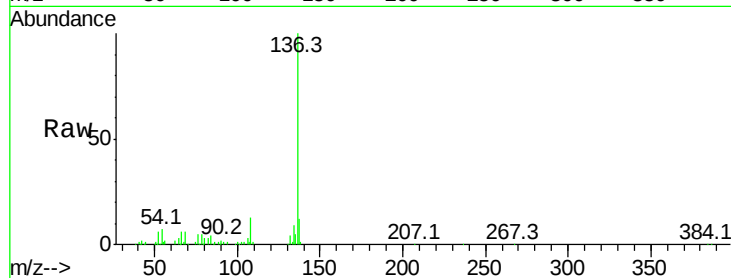




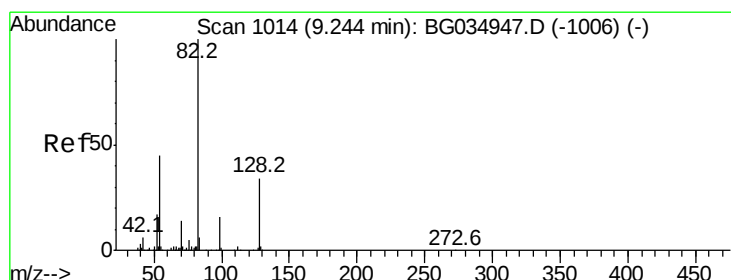
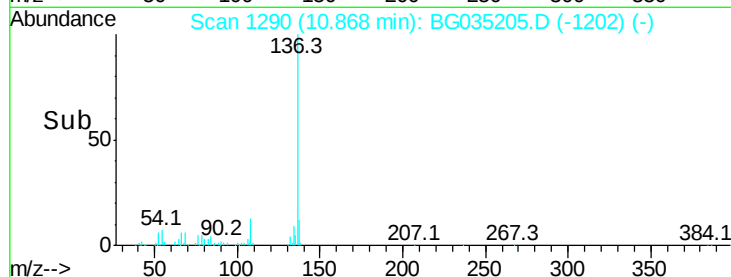
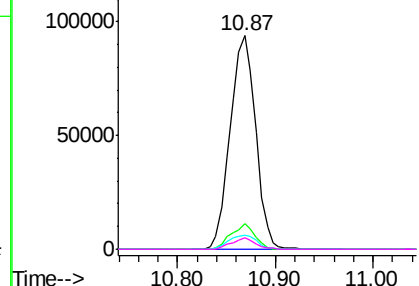
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035205.D
Acq: 16 Jun 2018 13:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	169907
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.2	13.8
54	6.8	10.3	15.5
68	5.6	4.5	6.7

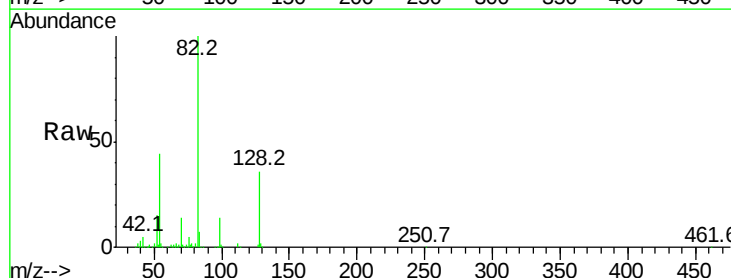


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

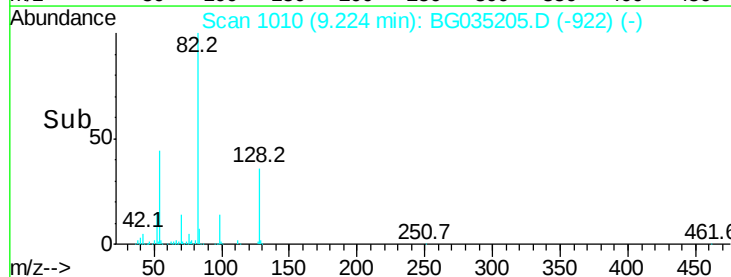
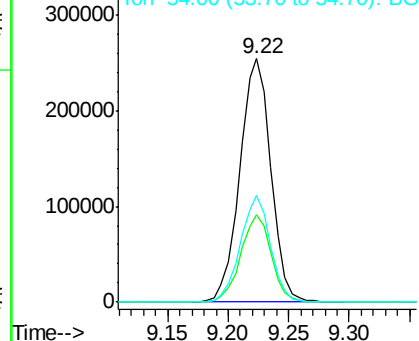


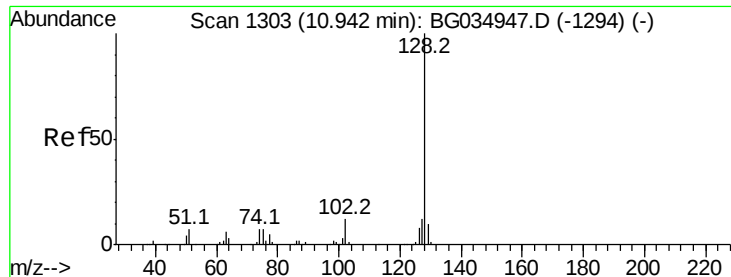
#23
Nitrobenzene-d5
Concen: 127.068 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035205.D
Acq: 16 Jun 2018 13:05

Tgt Ion:	82	Resp:	454192
Ion	Ratio	Lower	Upper
82	100		
128	35.7	29.7	44.5
54	43.8	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

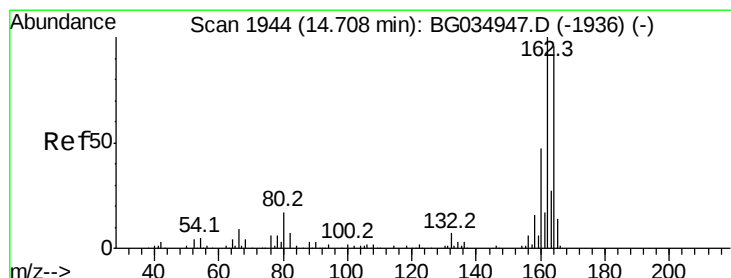
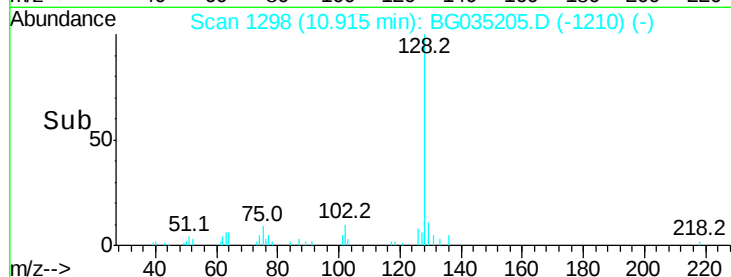
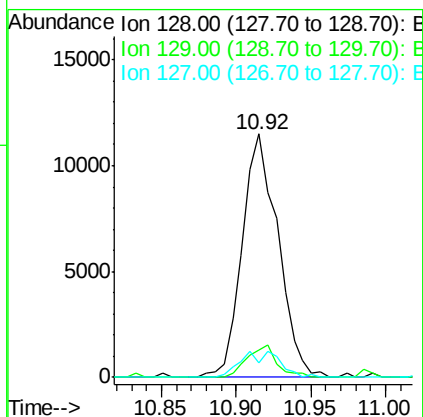
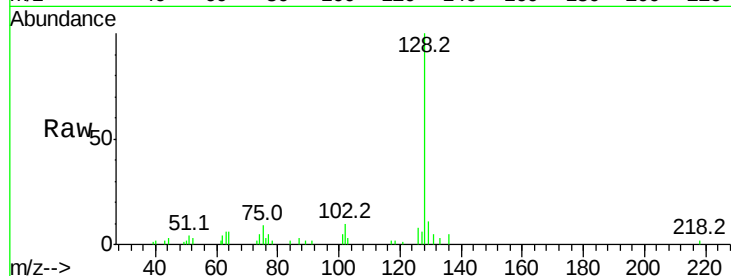




#31
Naphthalene
Concen: 2.165 ng
RT: 10.92 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BG035205.D
Acq: 16 Jun 2018 13:05

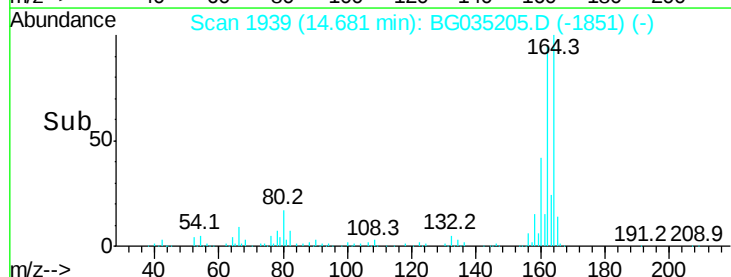
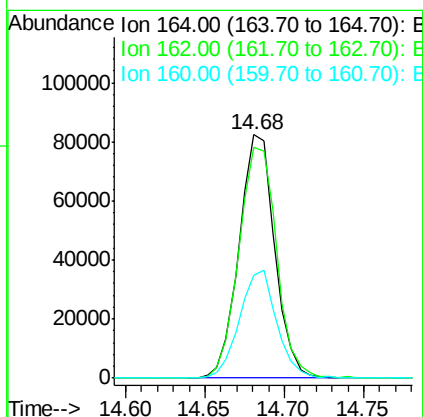
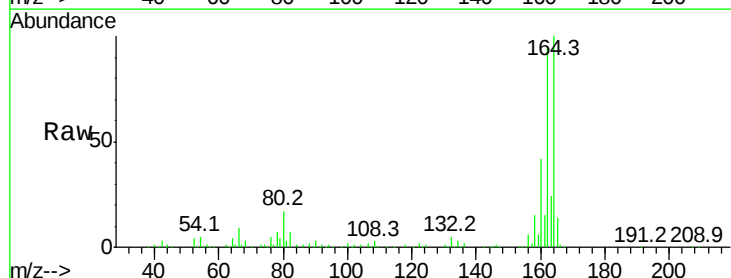
Instrument :
BNA_G
ClientSampleId :

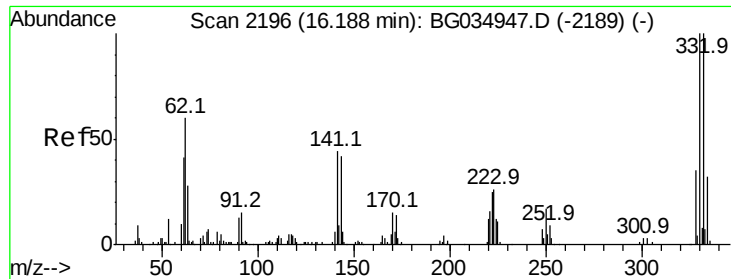
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	12.8
127	6.0	11.6	17.4



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.02 min
Lab File: BG035205.D
Acq: 16 Jun 2018 13:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.6	78.8	118.2
160	42.2	35.4	53.0

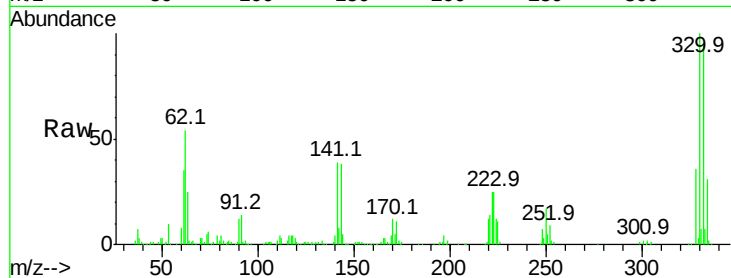




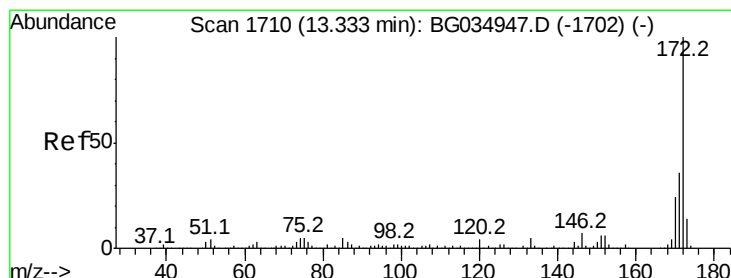
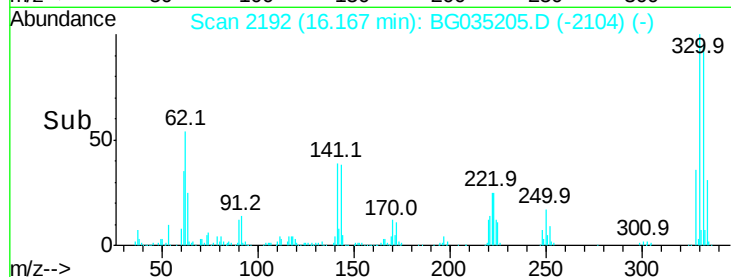
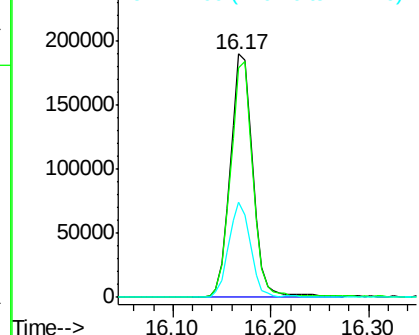
#41
 2,4,6-Tribromophenol
 Concen: 184.364 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.02 min
 Lab File: BG035205.D
 Acq: 16 Jun 2018 13:05

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 304369
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.0 115.6
 141 38.0 25.2 37.8#

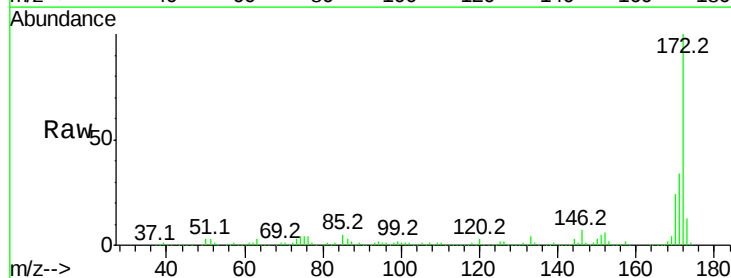


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

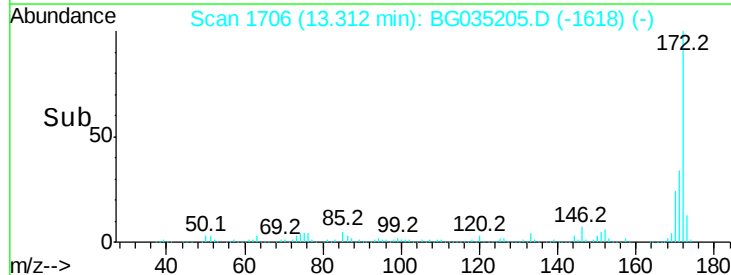
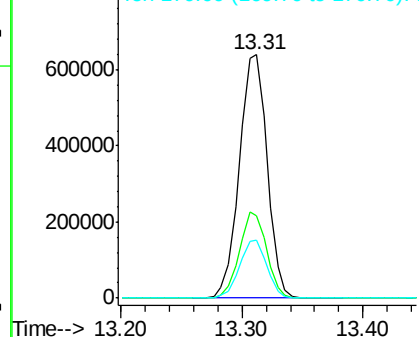


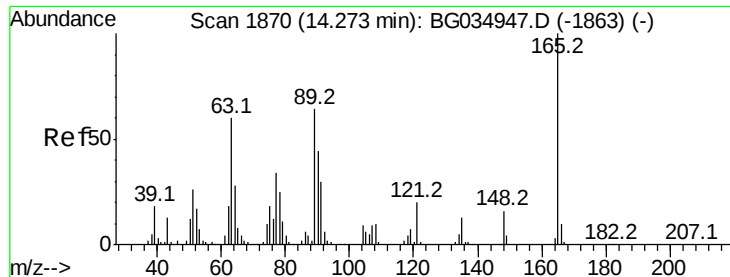
#44
 2-Fluorobiphenyl
 Concen: 103.743 ng
 RT: 13.31 min Scan# 1706
 Delta R.T. -0.02 min
 Lab File: BG035205.D
 Acq: 16 Jun 2018 13:05

Tgt Ion:172 Resp: 1029175
 Ion Ratio Lower Upper
 172 100
 171 34.0 30.0 45.0
 170 23.7 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

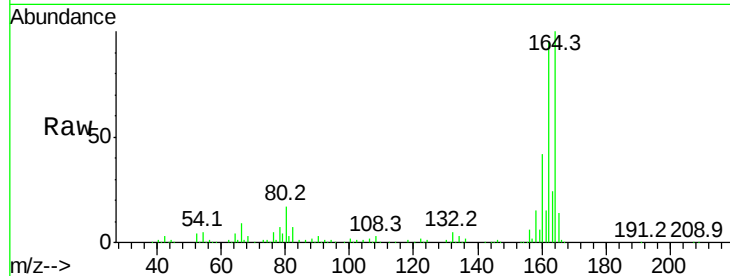




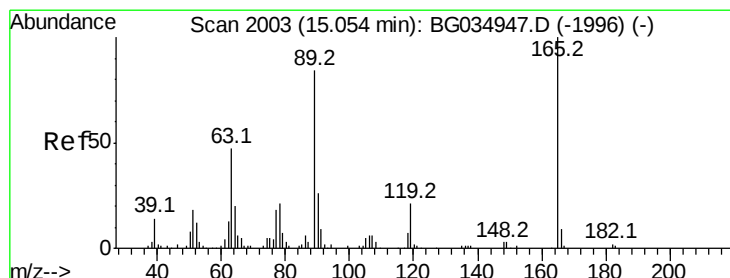
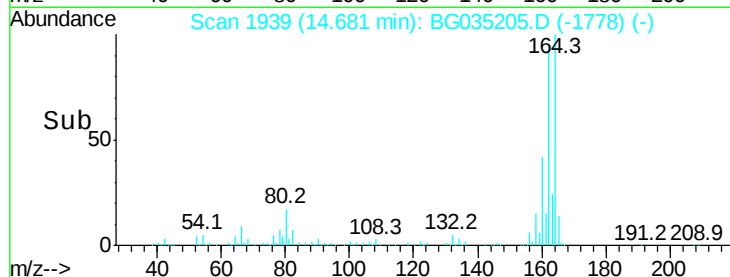
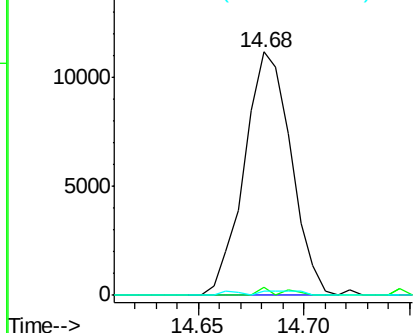
#50
2,6-Dinitrotoluene
Concen: 8.371 ng
RT: 14.68 min Scan# 1939
Delta R.T. 0.41 min
Lab File: BG035205.D
Acq: 16 Jun 2018 13:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 17174
Ion Ratio Lower Upper
165 100
63 3.3 52.7 79.1#
89 1.7 49.2 73.8#

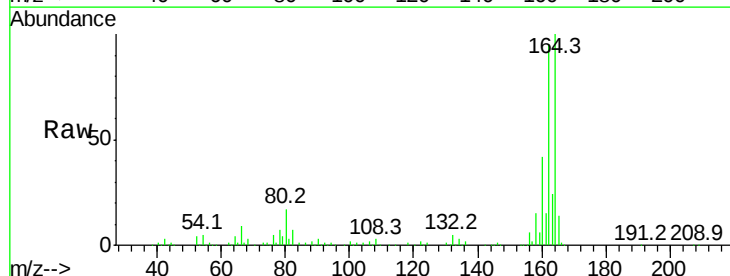


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

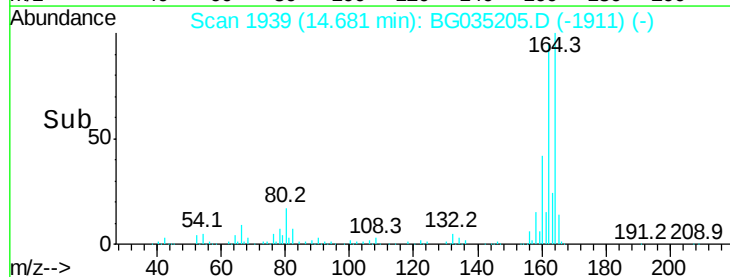
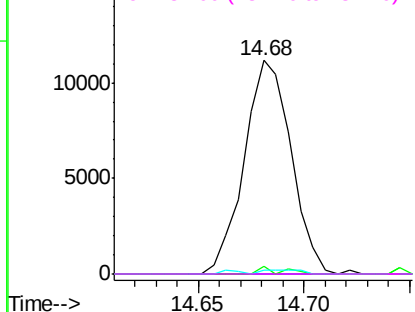


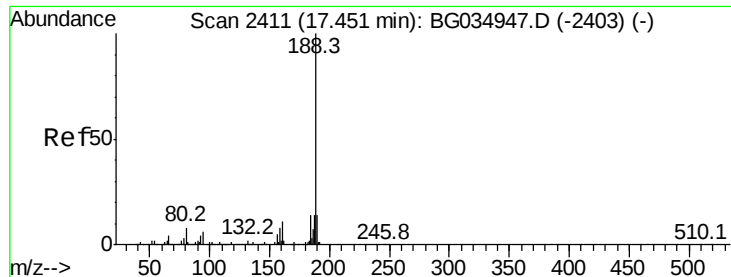
#56
2,4-Dinitrotoluene
Concen: 6.301 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.37 min
Lab File: BG035205.D
Acq: 16 Jun 2018 13:05

Tgt Ion:165 Resp: 17174
Ion Ratio Lower Upper
165 100
63 3.3 42.0 63.0#
89 1.7 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: 17.42 min Scan# 2406

Delta R.T. -0.02 min

Lab File: BG035205.D

Acq: 16 Jun 2018 13:05

Instrument :

BNA_G

ClientSampleId :

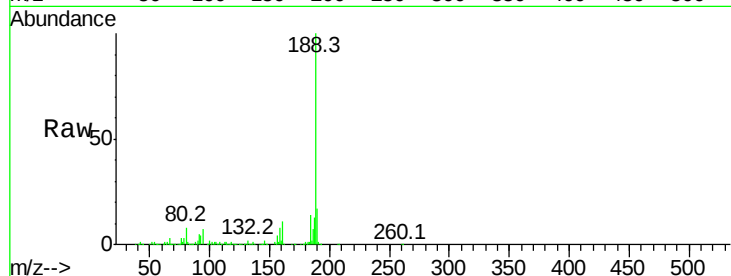
Tot Ion:188 Resp: 351423

Ion Ratio Lower Upper

188 100

94 7.2 6.9 10.3

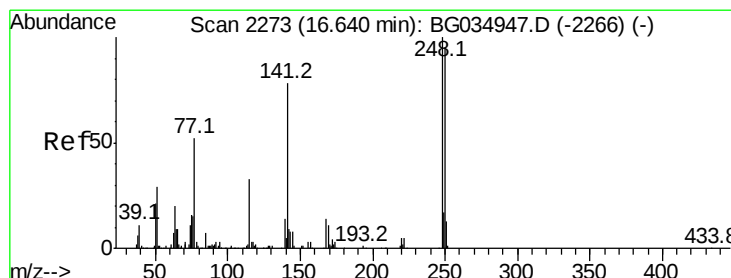
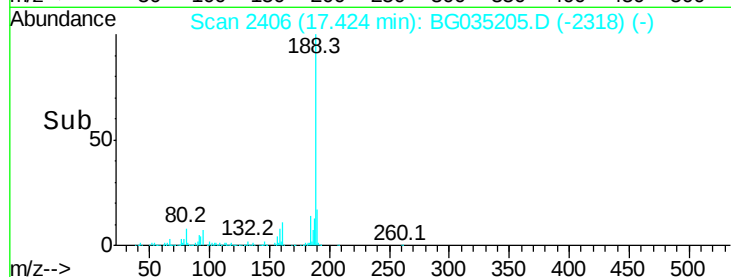
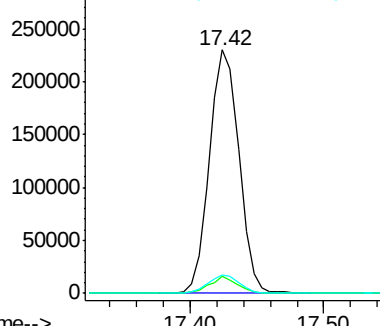
80 7.5 7.7 11.5#



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



#66

4-Bromophenyl-phenylether

Concen: 5.648 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.46 min

Lab File: BG035205.D

Acq: 16 Jun 2018 13:05

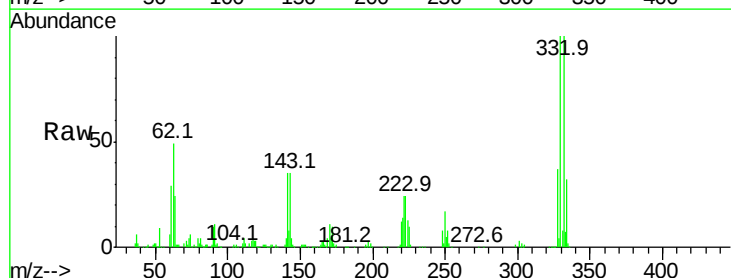
Tgt Ion:248 Resp: 23901

Ion Ratio Lower Upper

248 100

250 215.2 77.1 115.7#

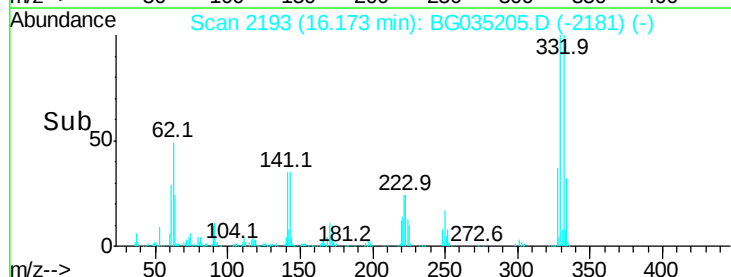
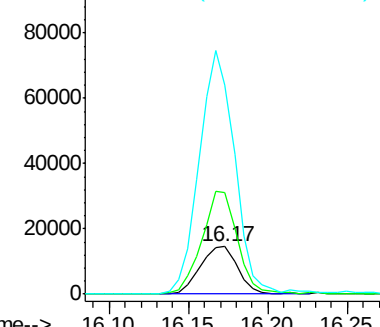
141 443.5 50.8 76.2#

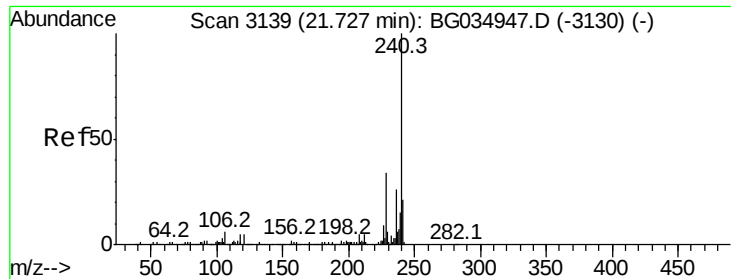


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.69 min Scan# 3133

Delta R.T. -0.02 min

Lab File: BG035205.D

Acq: 16 Jun 2018 13:05

Instrument :

BNA_G

ClientSampled :

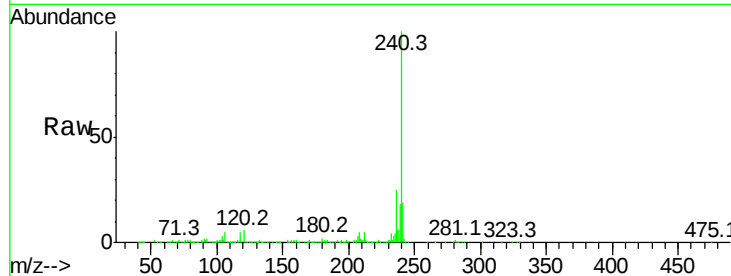
Tot Ion:240 Resp: 377261

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

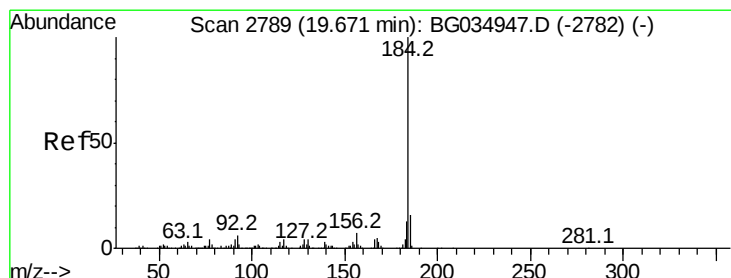
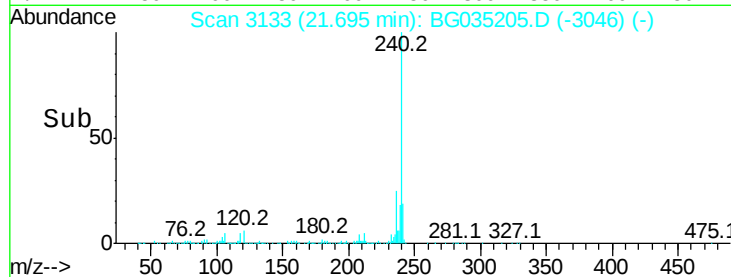
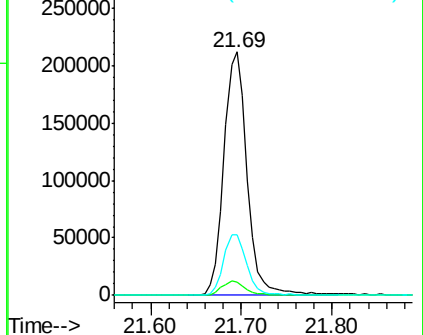
236 24.9 20.9 31.3



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: 2.564 ng

RT: 20.04 min Scan# 2851

Delta R.T. 0.37 min

Lab File: BG035205.D

Acq: 16 Jun 2018 13:05

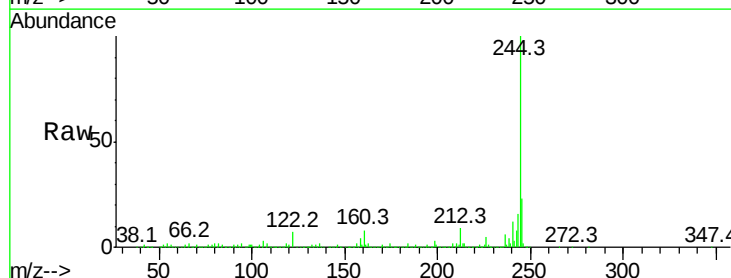
Tgt Ion:184 Resp: 35982

Ion Ratio Lower Upper

184 100

185 12.5 11.1 16.7

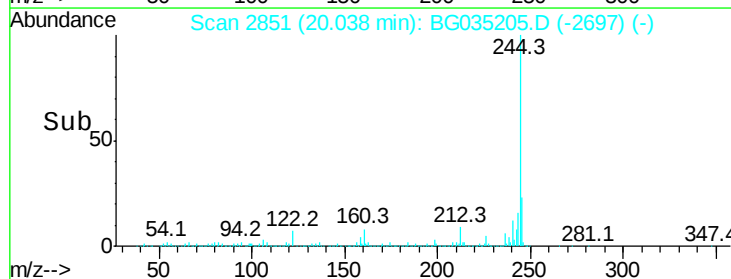
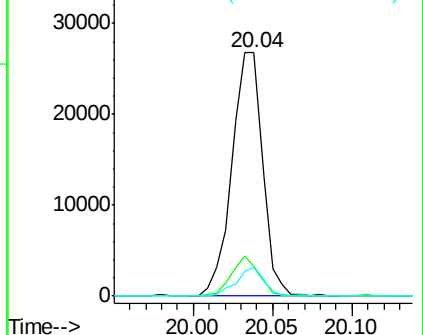
183 11.7 10.6 16.0

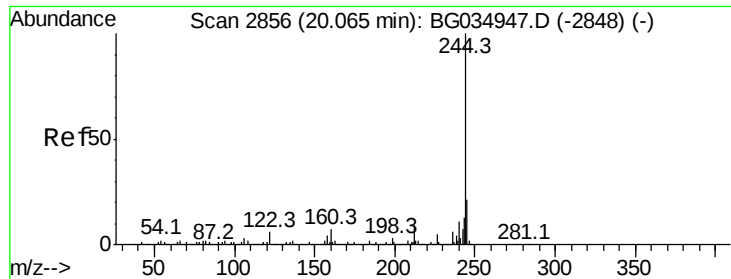


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

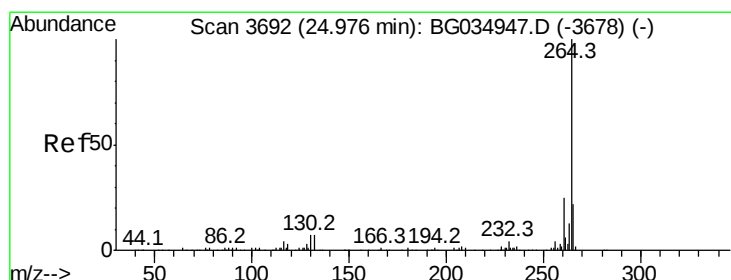
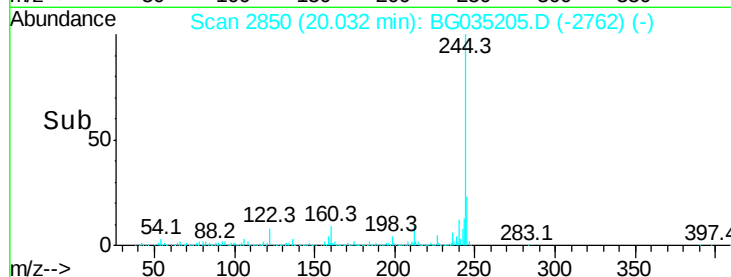
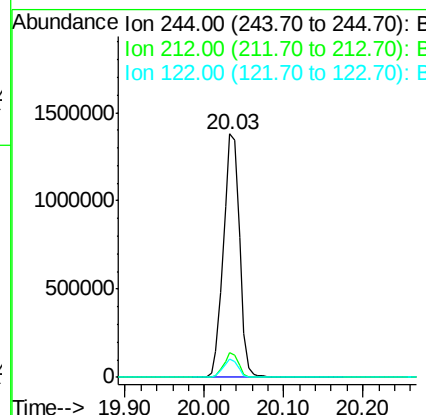
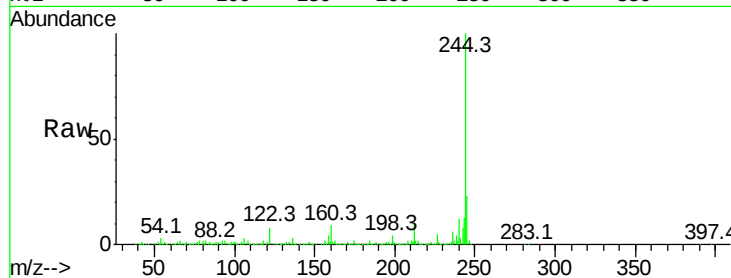




#78
 Terphenyl-d14
 Concen: 107.826 ng
 RT: 20.03 min Scan# 2850
 Delta R.T. -0.02 min
 Lab File: BG035205.D
 Acq: 16 Jun 2018 13:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1942004
 Ion Ratio Lower Upper
 244 100
 212 10.1 5.8 8.8#
 122 7.7 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.92 min Scan# 3682
 Delta R.T. -0.03 min
 Lab File: BG035205.D
 Acq: 16 Jun 2018 13:05

Tgt Ion:264 Resp: 312519
 Ion Ratio Lower Upper
 264 100
 260 22.6 17.4 26.0
 265 20.4 17.7 26.5

