

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061518\
 Data File : BG035206.D
 Acq On : 16 Jun 2018 13:43
 Operator : SJ/JU
 Sample : J3372-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 18 01:19:45 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

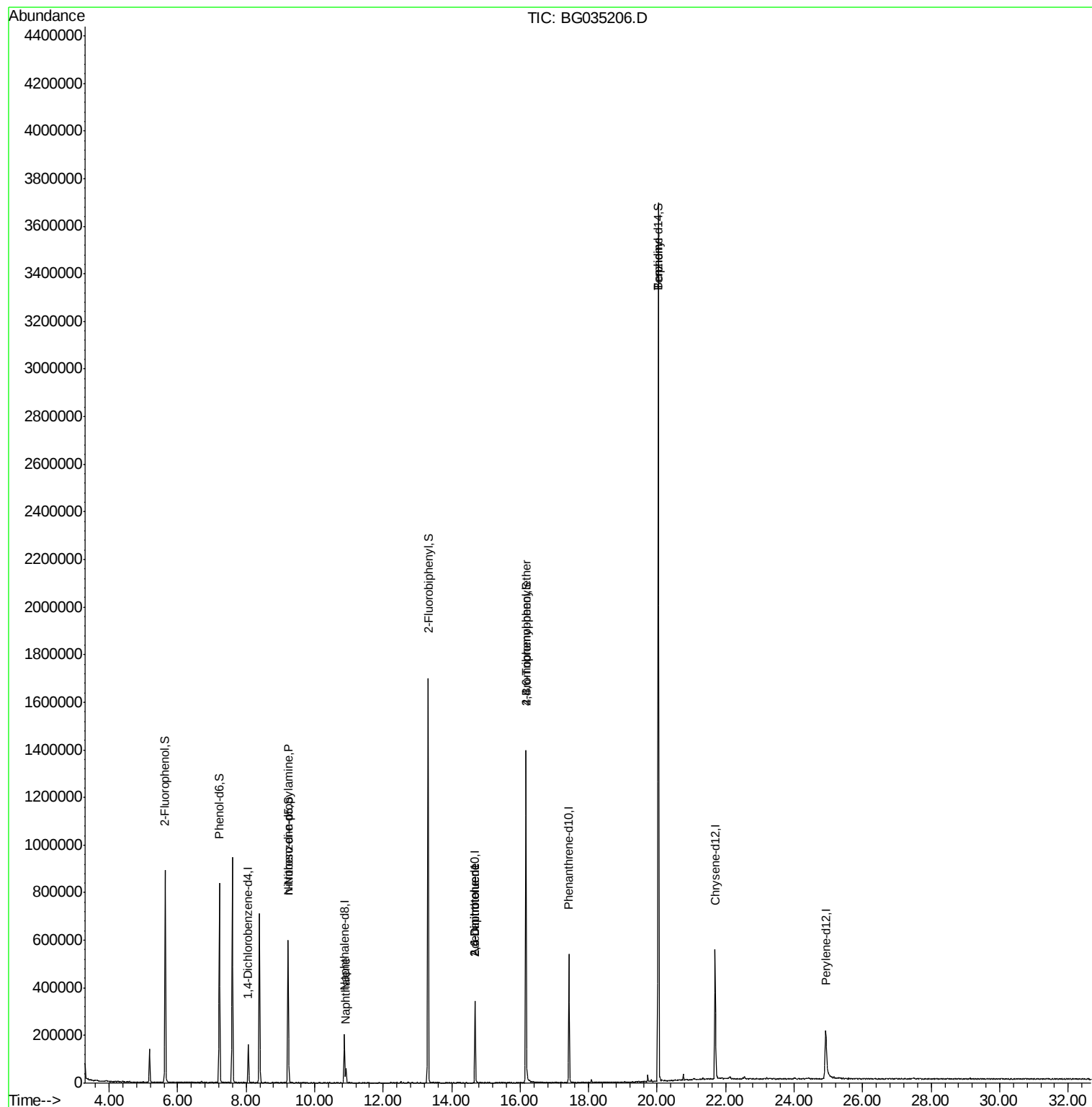
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	47612	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	168024	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	120376	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	349135	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	377551	20.00	ng	-0.02
86) Perylene-d12	24.92	264	300125	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	381561	135.24	ng	-0.01
7) Phenol-d6	7.22	99	504966	121.27	ng	0.00
23) Nitrobenzene-d5	9.22	82	406188	114.91	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	265578	172.35	ng	-0.02
44) 2-Fluorobiphenyl	13.31	172	947264	102.30	ng	-0.02
78) Terphenyl-d14	20.03	244	1820085	100.98	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	56623	16.006	ng	Qvalue # 65
31) Naphthalene	10.91	128	46616	5.341	ng	96
50) 2,6-Dinitrotoluene	14.69	165	17318	9.043	ng	# 20
56) 2,4-Dinitrotoluene	14.69	165	17318	6.808	ng	# 18
66) 4-Bromophenyl-phenylether	16.17	248	21612	5.140	ng	# 1
76) Benzidine	20.03	184	30940	2.203	ng	# 93

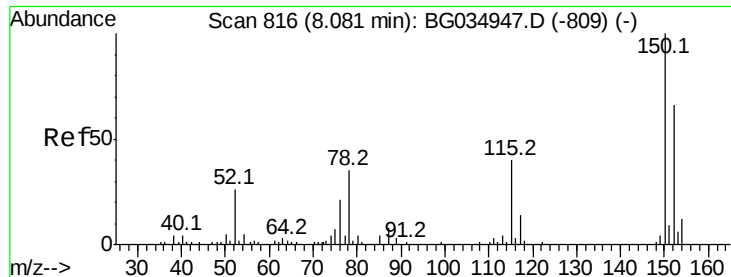
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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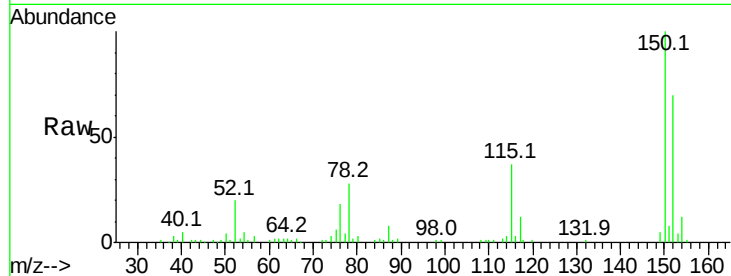


#1

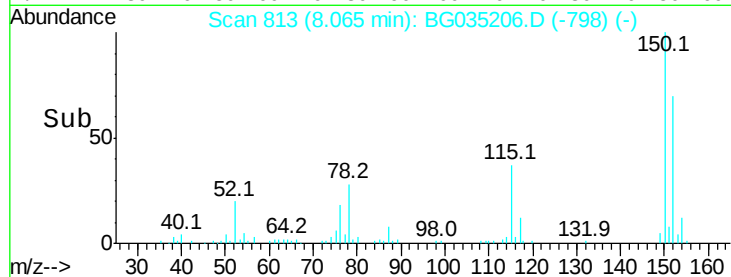
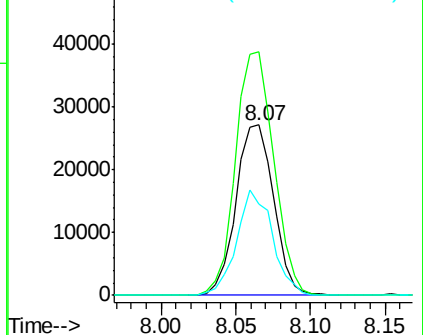
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG035206.D
Acq: 16 Jun 2018 13:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 47612
Ion Ratio Lower Upper
152 100
150 143.2 126.6 189.8
115 53.6 53.0 79.4



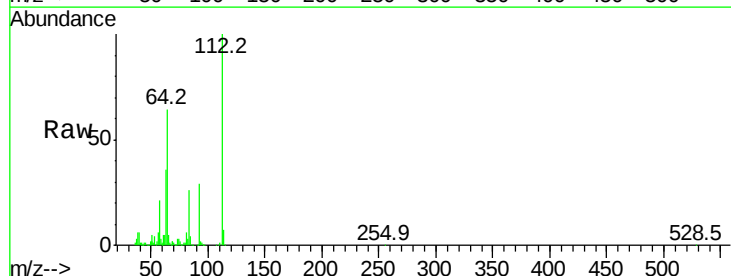
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



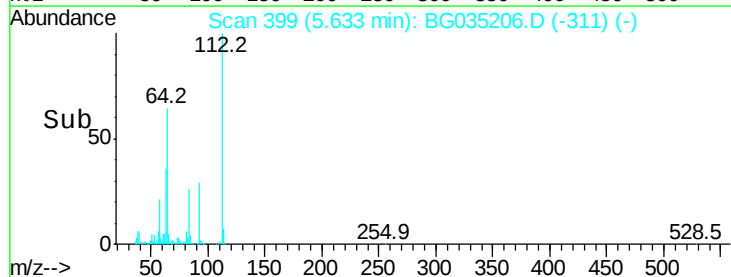
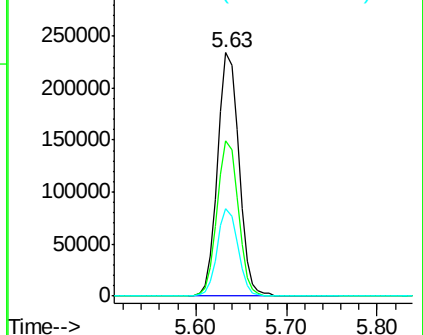
#5

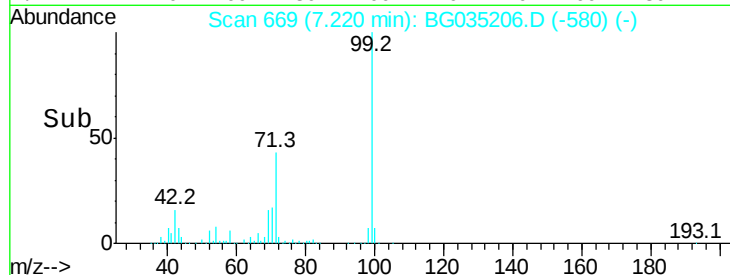
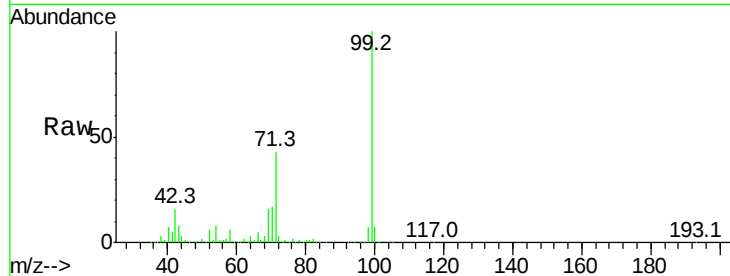
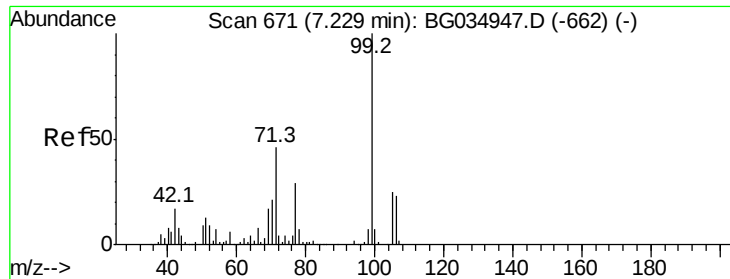
2-Fluorophenol
Concen: 135.244 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035206.D
Acq: 16 Jun 2018 13:43

Tgt Ion:112 Resp: 381561
Ion Ratio Lower Upper
112 100
64 64.1 56.3 84.5
63 35.8 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: 121.269 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035206.D

Acq: 16 Jun 2018 13:43

Instrument :

BNA_G

ClientSampleId :

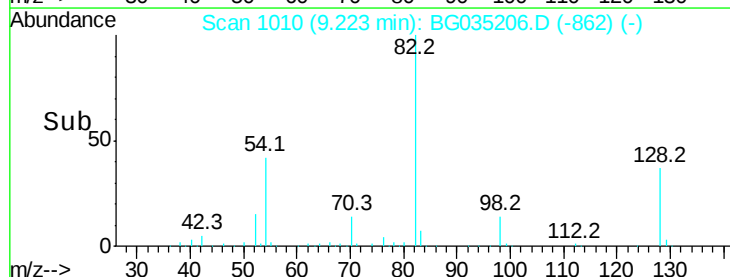
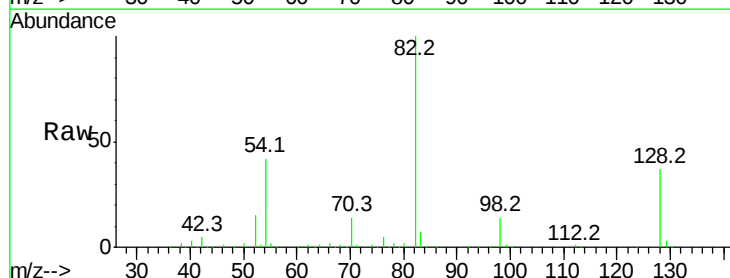
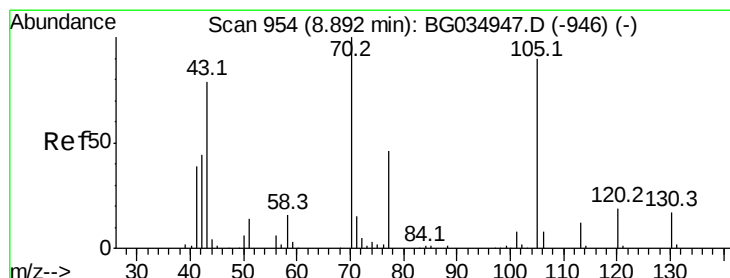
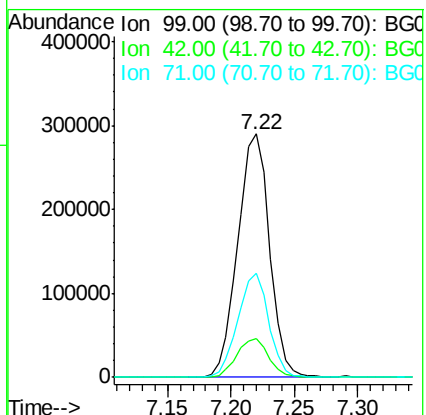
Tot Ion: 99 Resp: 504966

Ion Ratio Lower Upper

99 100

42 15.9 14.1 21.1

71 42.8 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.006 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035206.D

Acq: 16 Jun 2018 13:43

Tgt Ion: 70 Resp: 56623

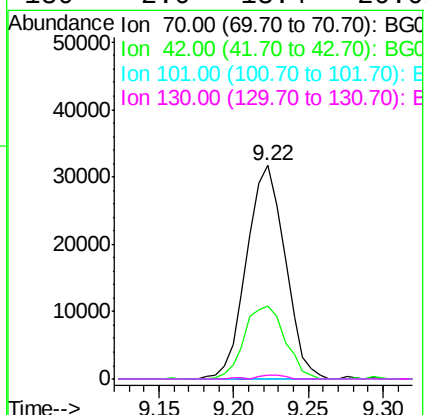
Ion Ratio Lower Upper

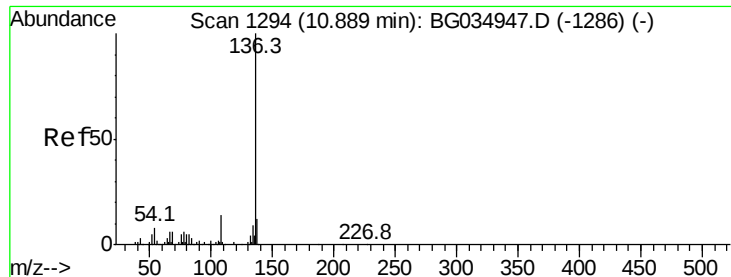
70 100

42 34.0 49.1 73.7#

101 0.0 8.5 12.7#

130 2.0 13.4 20.0#

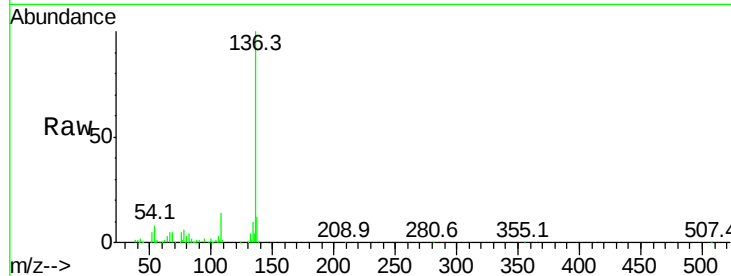




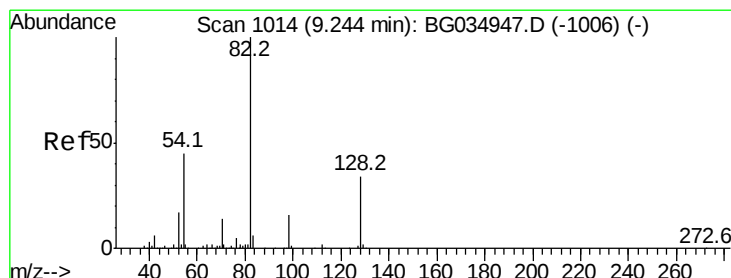
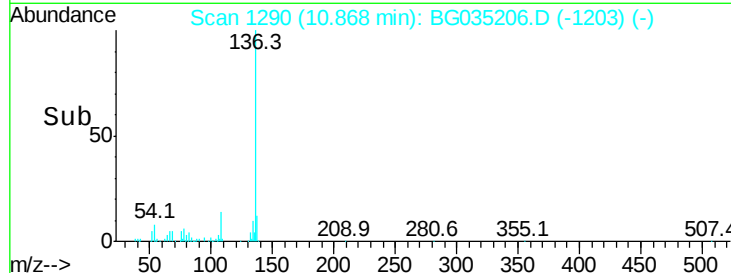
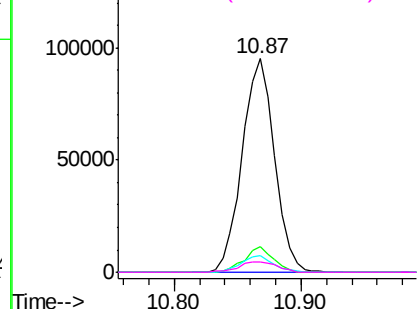
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035206.D
Acq: 16 Jun 2018 13:43

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	168024
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.2	13.8
54	7.8	10.3	15.5#
68	4.9	4.5	6.7

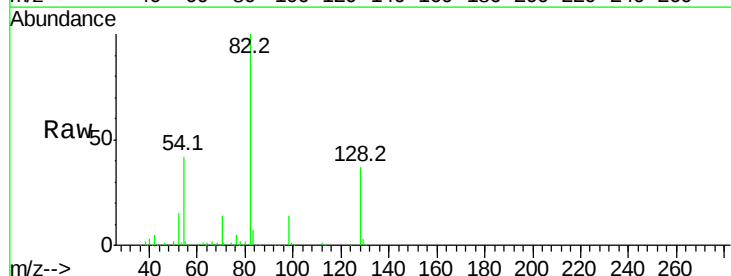


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

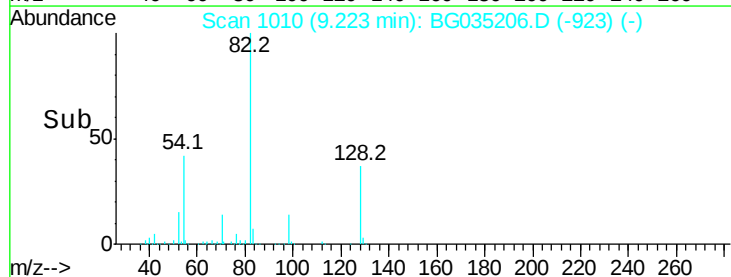
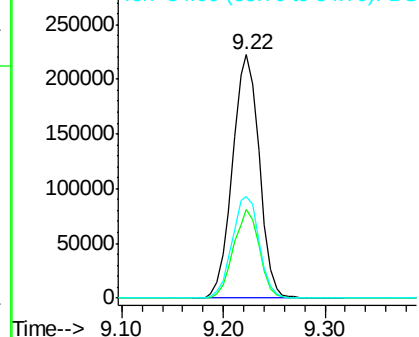


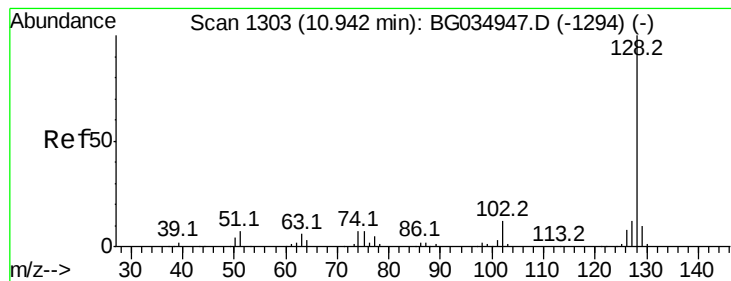
#23
Nitrobenzene-d5
Concen: 114.911 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035206.D
Acq: 16 Jun 2018 13:43

Tgt Ion:	82	Resp:	406188
Ion	Ratio	Lower	Upper
82	100		
128	36.6	29.7	44.5
54	41.9	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: 5.341 ng

RT: 10.91 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BG035206.D

Acq: 16 Jun 2018 13:43

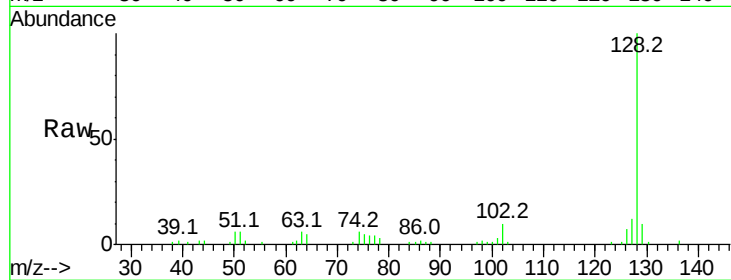
Instrument :

BNA_G

ClientSampleId :

Tot Ion:128 Resp: 46616

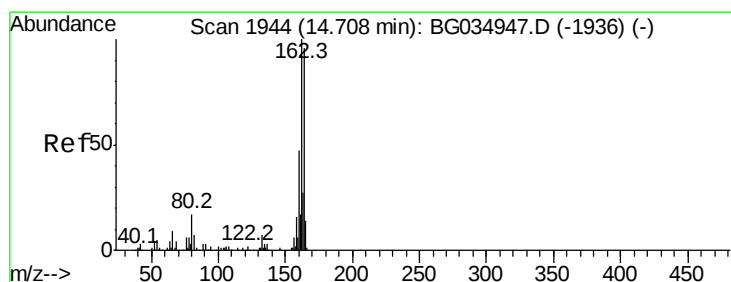
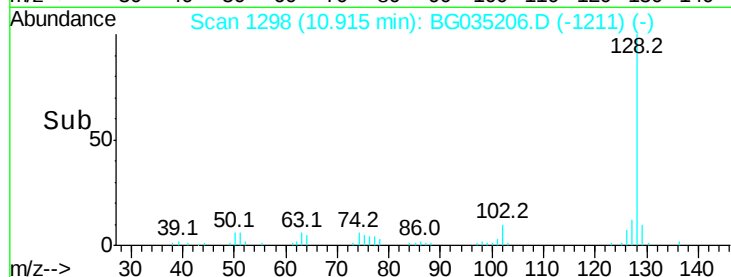
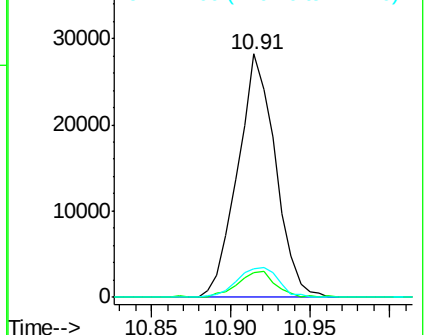
Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.6	12.8
127	12.0	11.6	17.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

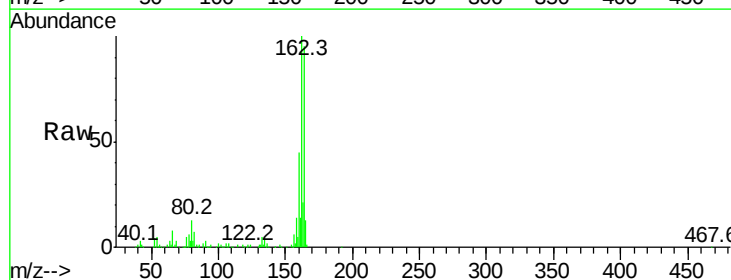
Delta R.T. -0.02 min

Lab File: BG035206.D

Acq: 16 Jun 2018 13:43

Tgt Ion:164 Resp: 120376

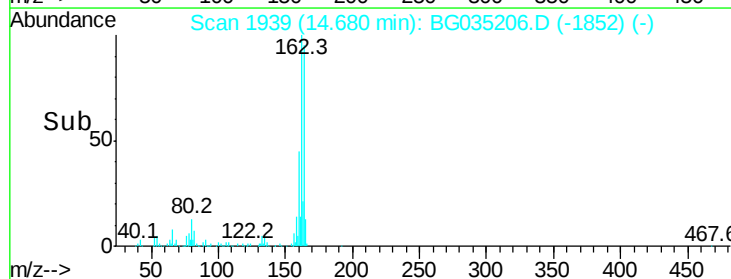
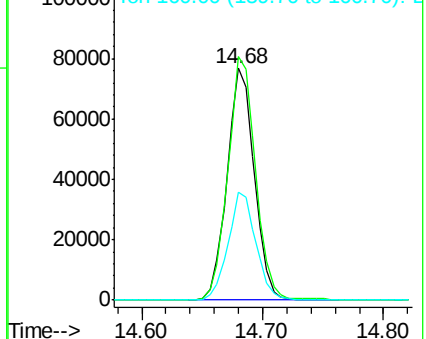
Ion	Ratio	Lower	Upper
164	100		
162	105.2	78.8	118.2
160	46.8	35.4	53.0

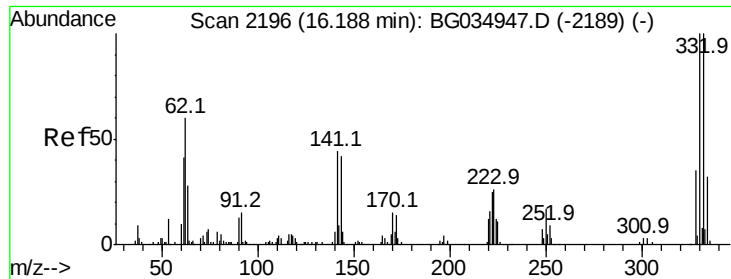


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

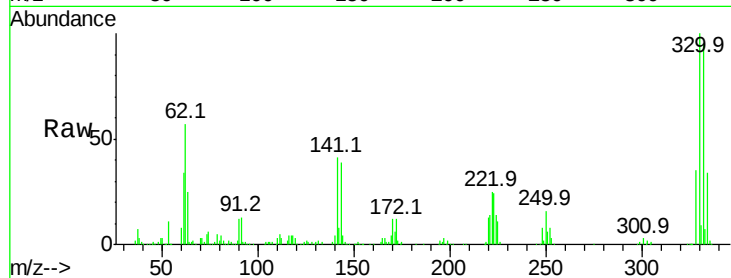




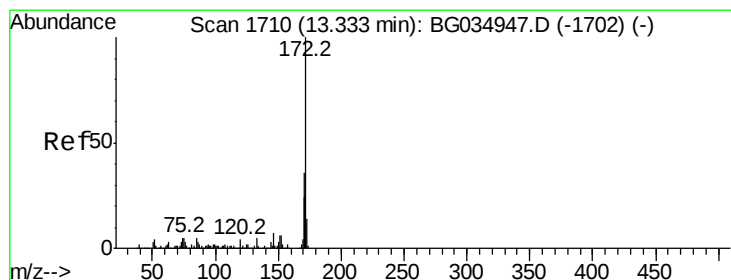
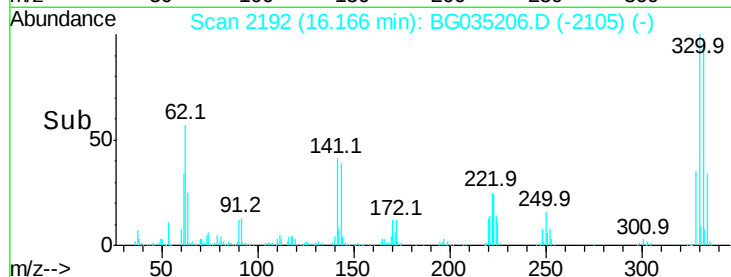
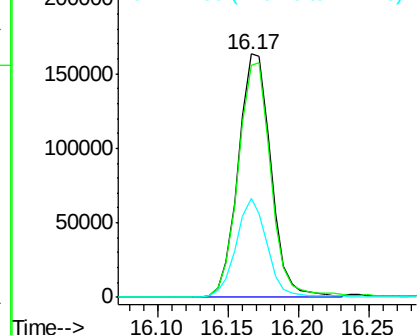
#41
 2,4,6-Tribromophenol
 Concen: 172.345 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.02 min
 Lab File: BG035206.D
 Acq: 16 Jun 2018 13:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 265578
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 38.6 25.2 37.8#

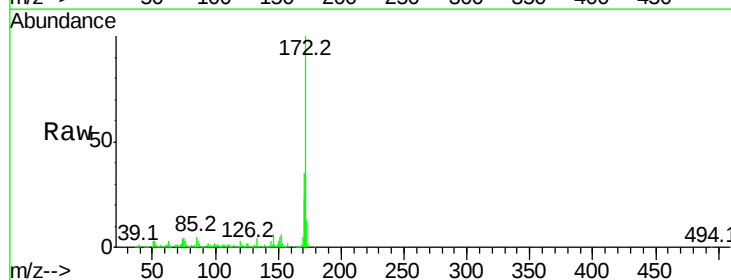


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

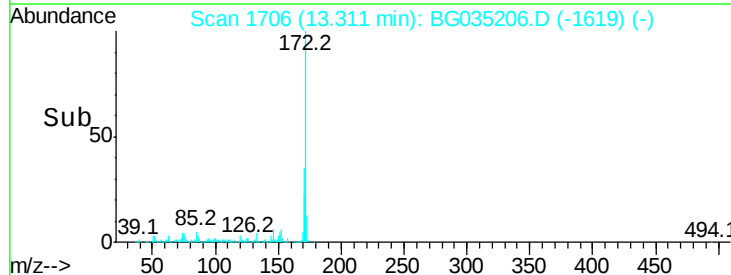
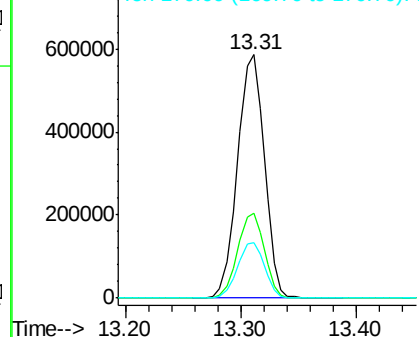


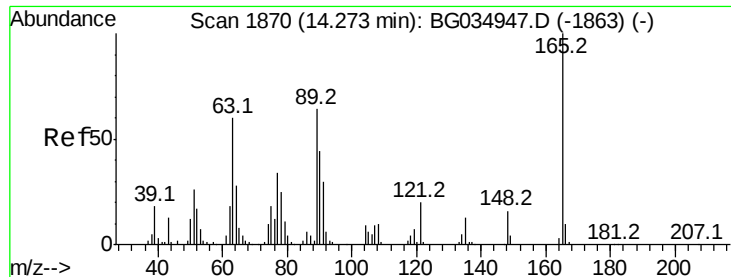
#44
 2-Fluorobiphenyl
 Concen: 102.299 ng
 RT: 13.31 min Scan# 1706
 Delta R.T. -0.02 min
 Lab File: BG035206.D
 Acq: 16 Jun 2018 13:43

Tgt Ion:172 Resp: 947264
 Ion Ratio Lower Upper
 172 100
 171 35.1 30.0 45.0
 170 22.8 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

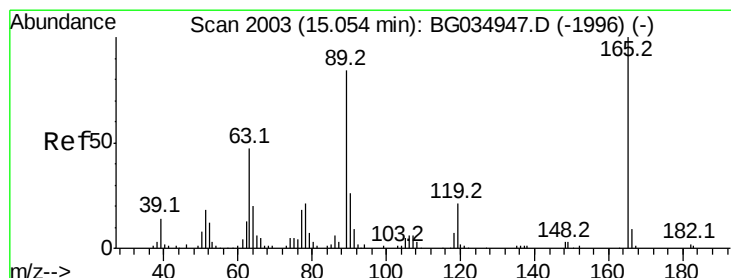
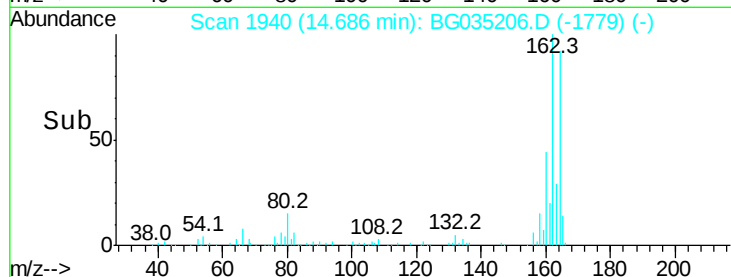
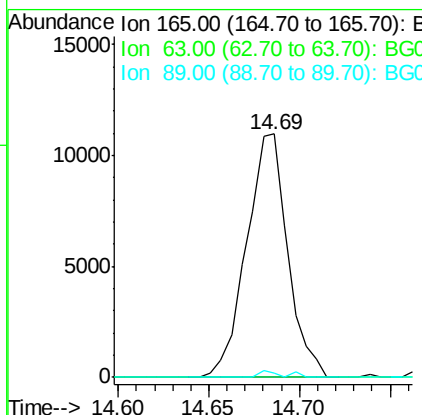
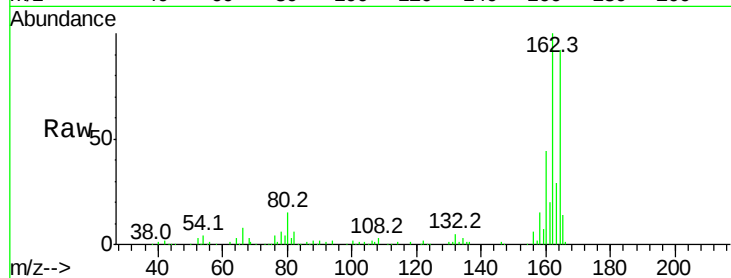




#50
 2,6-Dinitrotoluene
 Concen: 9.043 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. 0.42 min
 Lab File: BG035206.D
 Acq: 16 Jun 2018 13:43

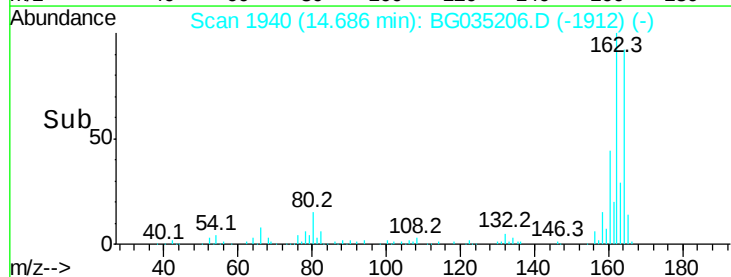
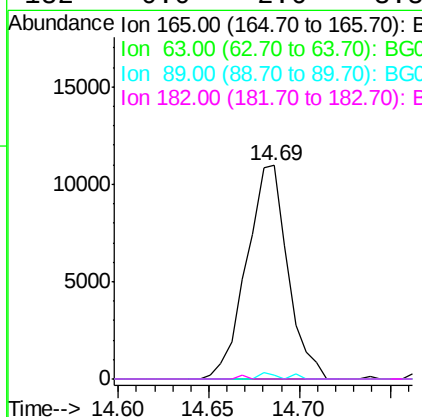
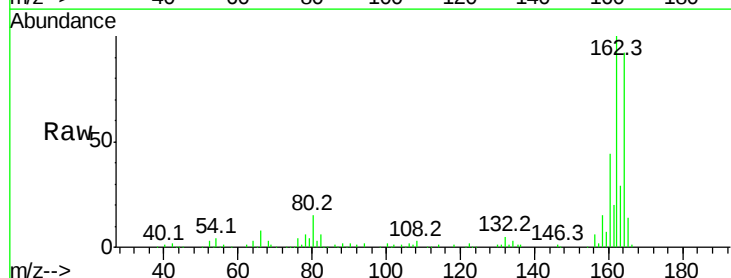
Instrument :
 BNA_G
 ClientSampleId :

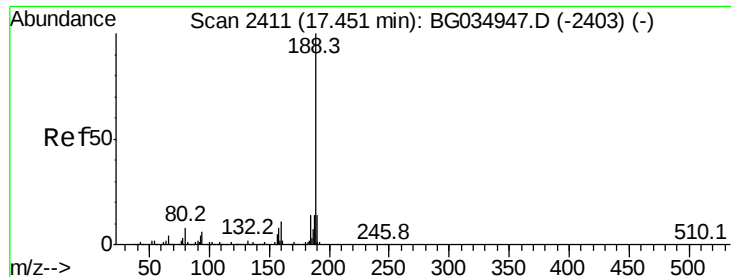
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.808 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. -0.36 min
 Lab File: BG035206.D
 Acq: 16 Jun 2018 13:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.0	66.9	100.3#
182	0.0	2.6	3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2406

Delta R.T. -0.02 min

Lab File: BG035206.D

Acq: 16 Jun 2018 13:43

Instrument :

BNA_G

ClientSampleId :

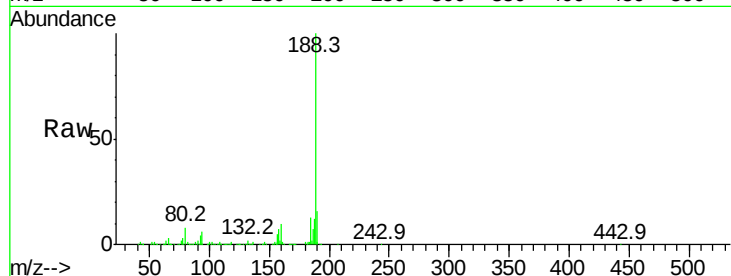
Tot Ion:188 Resp: 349135

Ion Ratio Lower Upper

188 100

94 5.9 6.9 10.3#

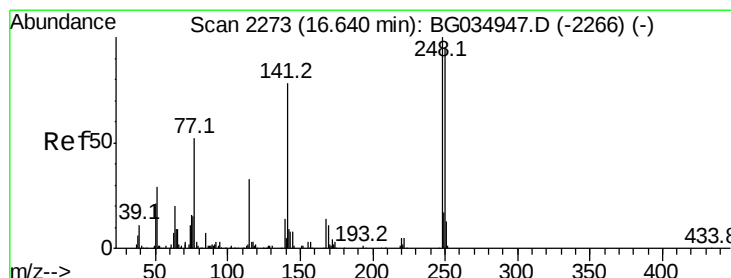
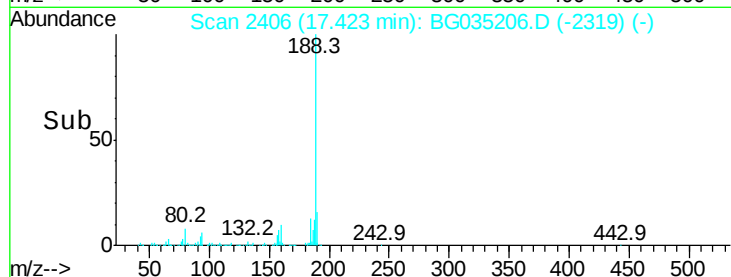
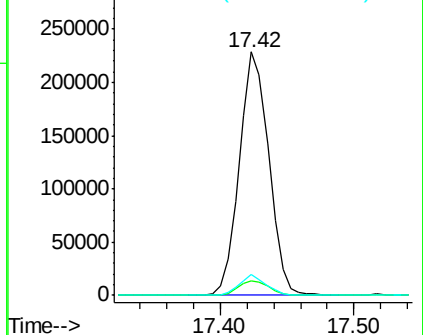
80 8.4 7.7 11.5



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: 5.140 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.47 min

Lab File: BG035206.D

Acq: 16 Jun 2018 13:43

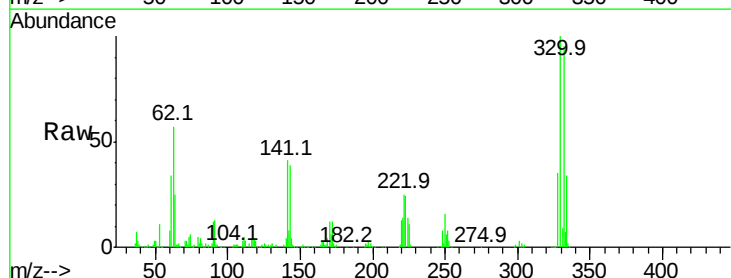
Tgt Ion:248 Resp: 21612

Ion Ratio Lower Upper

248 100

250 191.9 77.1 115.7#

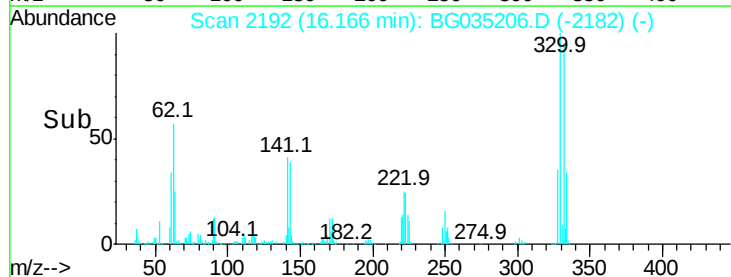
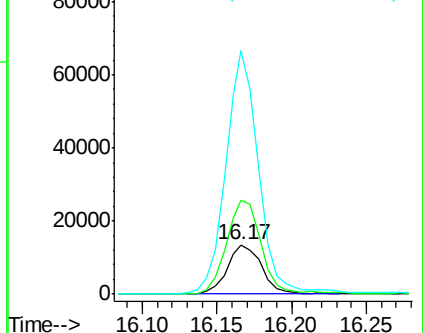
141 495.8 50.8 76.2#

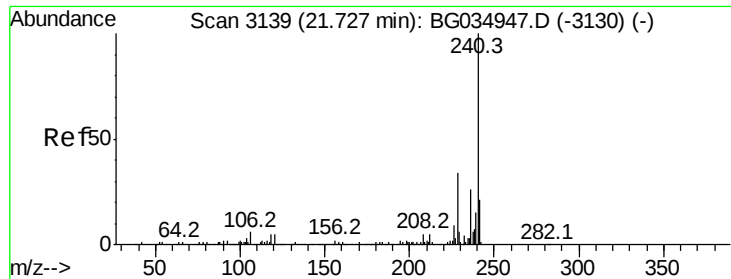


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.69 min Scan# 3133

Delta R.T. -0.02 min

Lab File: BG035206.D

Acq: 16 Jun 2018 13:43

Instrument :

BNA_G

ClientSampleId :

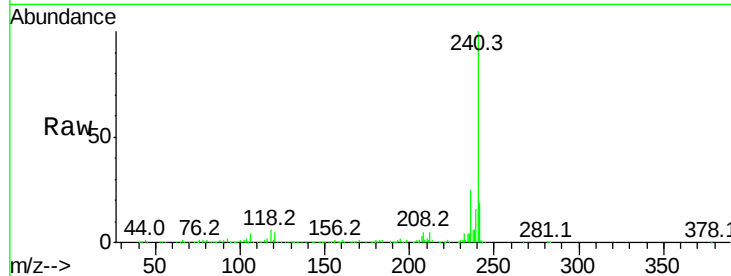
Tot Ion:240 Resp: 377551

Ion Ratio Lower Upper

240 100

120 4.5 6.8 10.2#

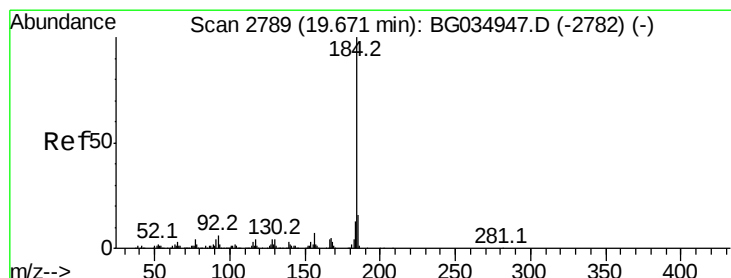
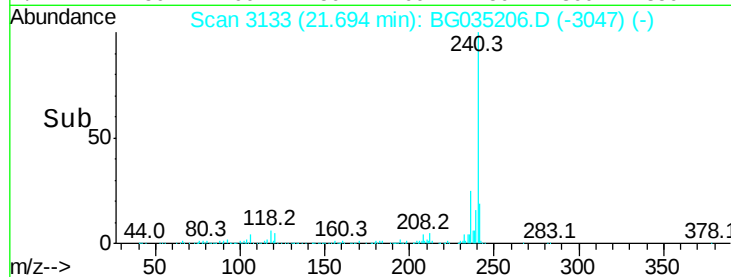
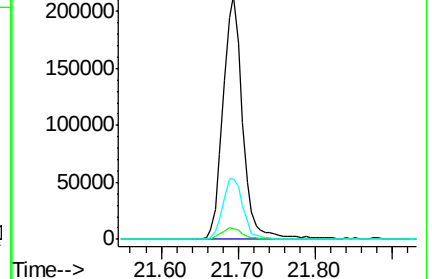
236 24.9 20.9 31.3



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: 2.203 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.37 min

Lab File: BG035206.D

Acq: 16 Jun 2018 13:43

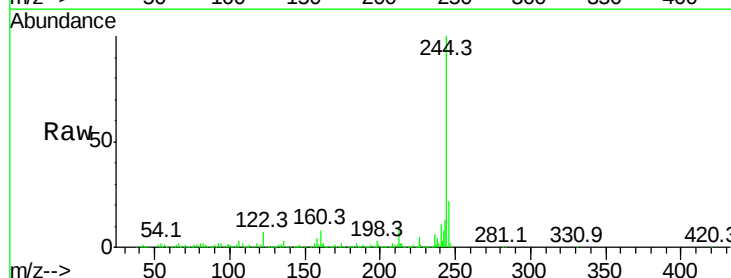
Tgt Ion:184 Resp: 30940

Ion Ratio Lower Upper

184 100

185 18.3 11.1 16.7#

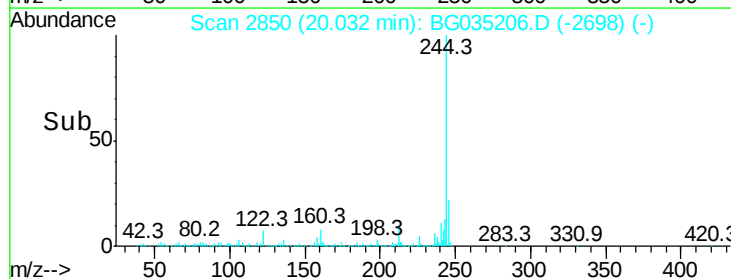
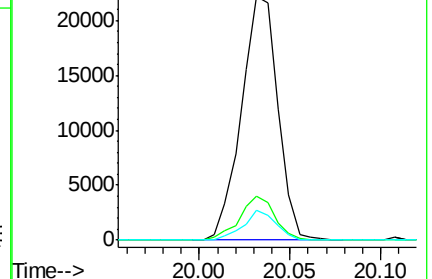
183 12.2 10.6 16.0

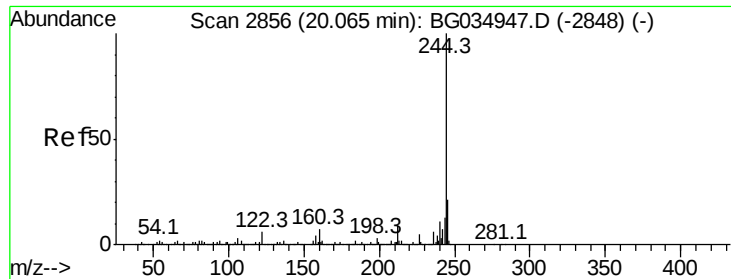


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 100.979 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035206.D

Acq: 16 Jun 2018 13:43

Instrument :

BNA_G

ClientSampleId :

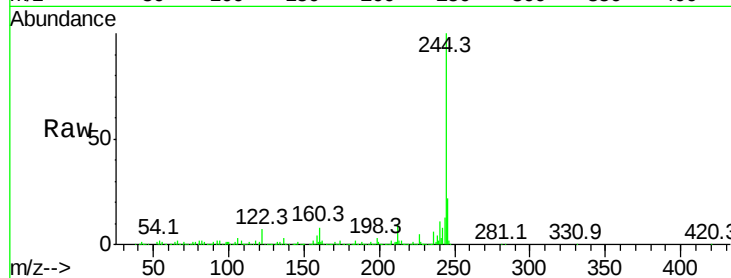
Tot Ion:244 Resp: 1820085

Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.8#

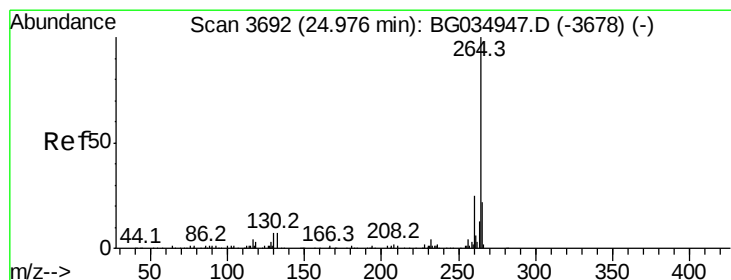
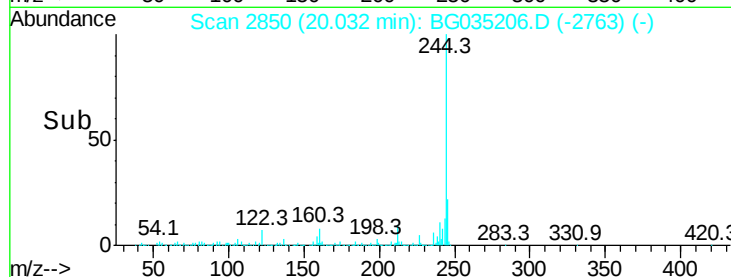
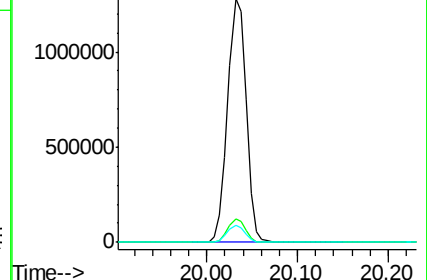
122 6.8 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3682

Delta R.T. -0.03 min

Lab File: BG035206.D

Acq: 16 Jun 2018 13:43

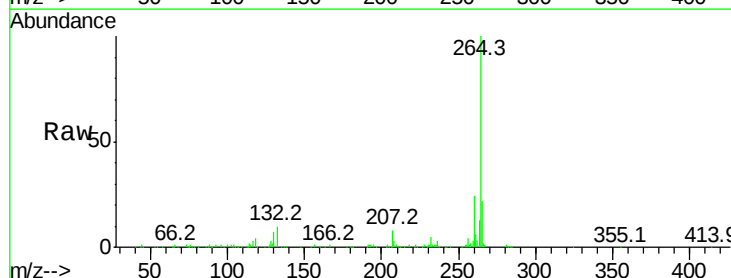
Tgt Ion:264 Resp: 300125

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 21.6 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

