

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090418\
 Data File : BG036534.D
 Acq On : 4 Sep 2018 16:30
 Operator : JU/SJ
 Sample : J4759-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 05 02:28:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 31 13:03:20 2018
 Response via : Initial Calibration

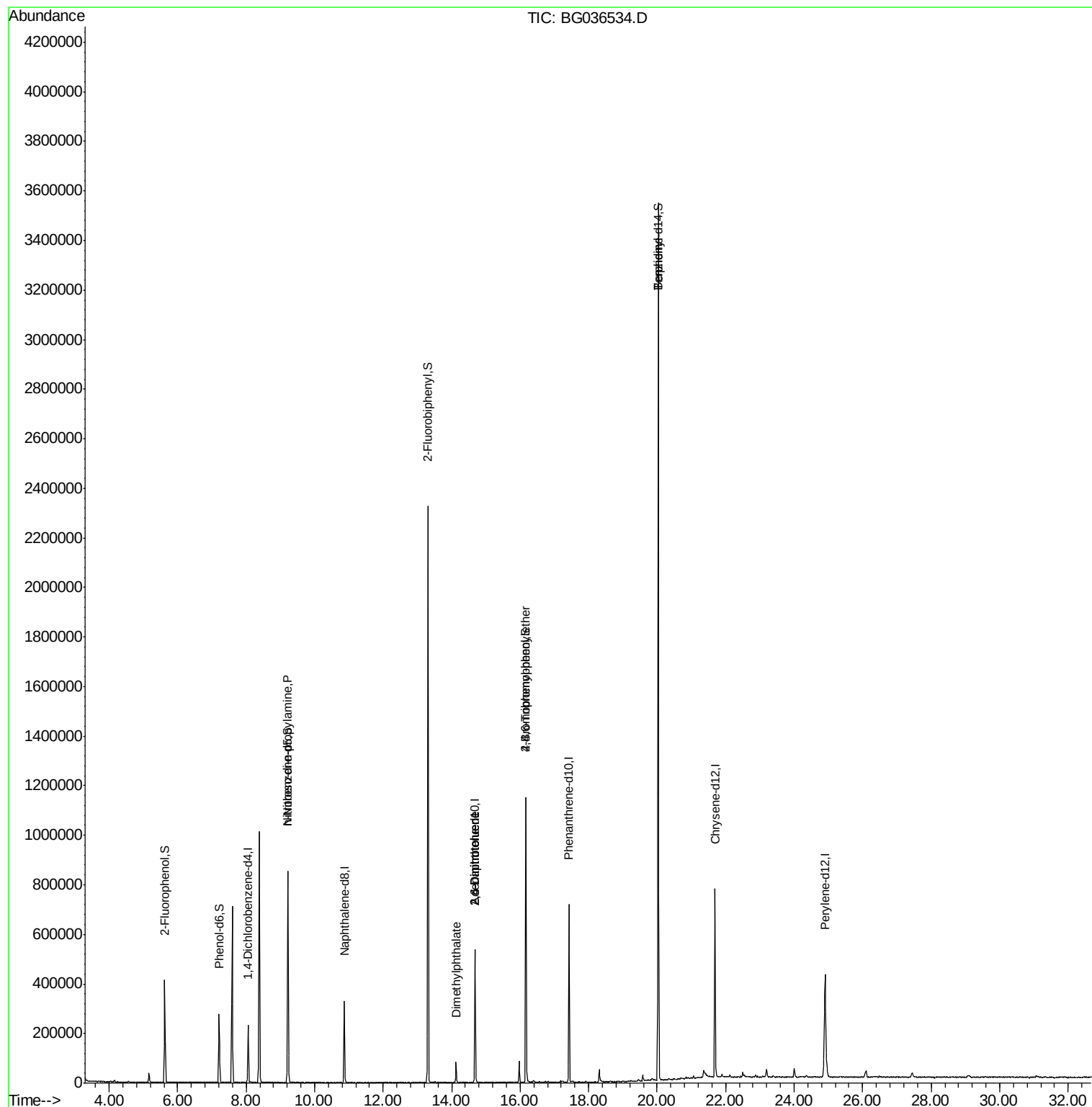
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	68077	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	275252	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	176866	20.00	ng	0.00
63) Phenanthrene-d10	17.43	188	446947	20.00	ng	0.00
75) Chrysene-d12	21.69	240	471907	20.00	ng	0.00
86) Perylene-d12	24.90	264	474840	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	183810	42.83	ng	0.00
7) Phenol-d6	7.21	99	158520	25.80	ng	0.00
23) Nitrobenzene-d5	9.22	82	509346	100.40	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	209070	99.07	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	1161155	93.74	ng	0.00
78) Terphenyl-d14	20.03	244	1704395	84.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	67630	14.727	ng	# 72
49) Dimethylphthalate	14.13	163	56533	3.914	ng	# 98
50) 2,6-Dinitrotoluene	14.68	165	22697	7.637	ng	# 21
56) 2,4-Dinitrotoluene	14.68	165	22697	5.860	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	14988	2.864	ng	# 1
76) Benzidine	20.04	184	30786	2.045	ng	# 90

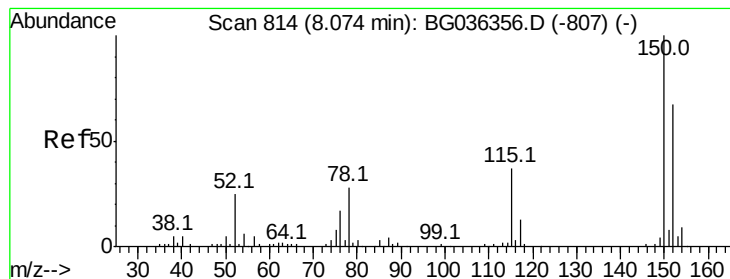
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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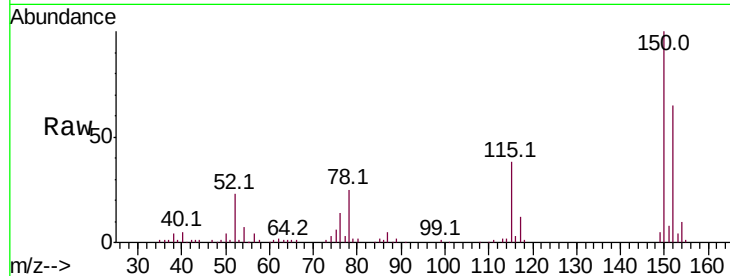


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG036534.D
Acq: 4 Sep 2018 16:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	119.5	179.3
115	58.7	44.5	66.7

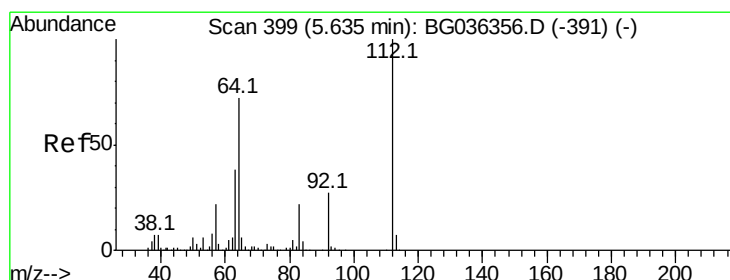
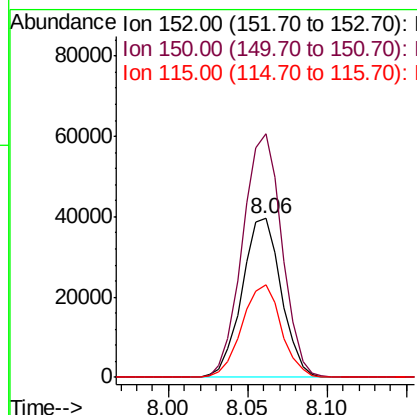
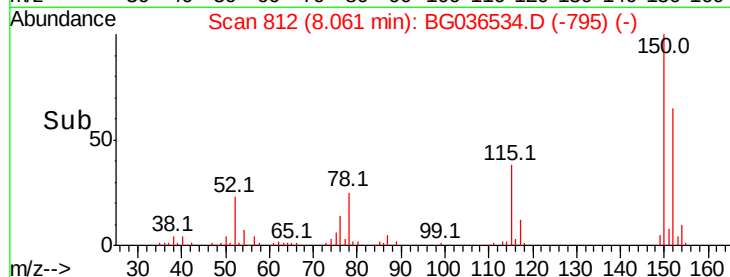


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

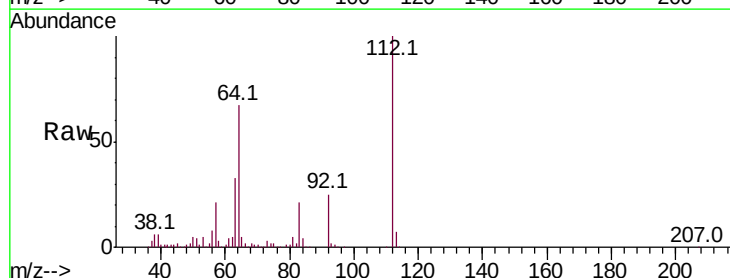
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 42.830 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.00 min
Lab File: BG036534.D
Acq: 4 Sep 2018 16:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	57.2	85.8
63	33.3	30.8	46.2

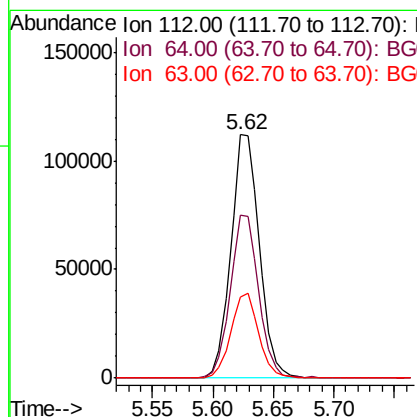
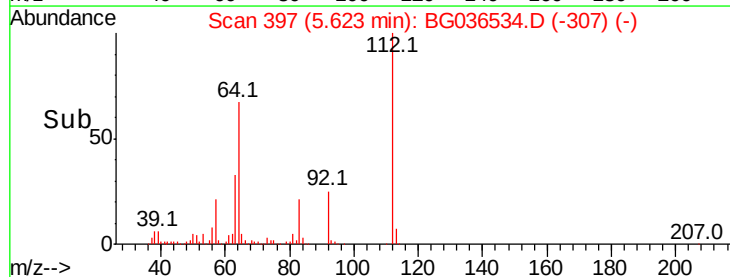


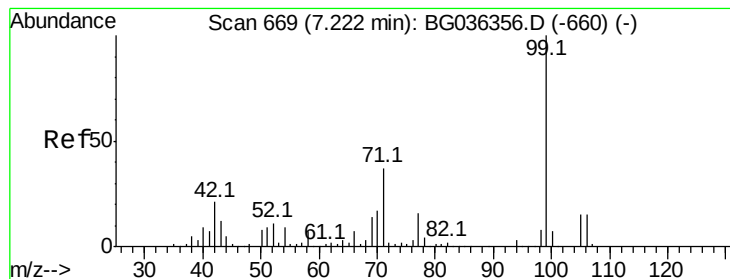
Abundance

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: 25.799 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036534.D

Acq: 4 Sep 2018 16:30

Instrument :

BNA_G

ClientSampleId :

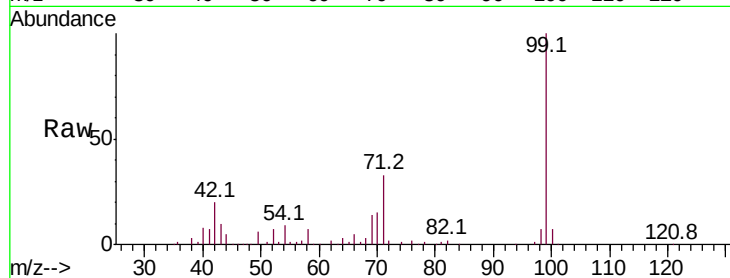
Tot Ion: 99 Resp: 158520

Ion Ratio Lower Upper

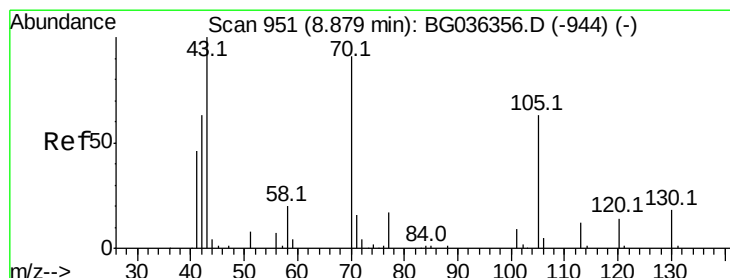
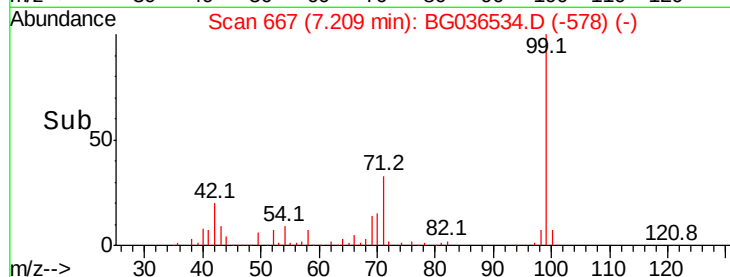
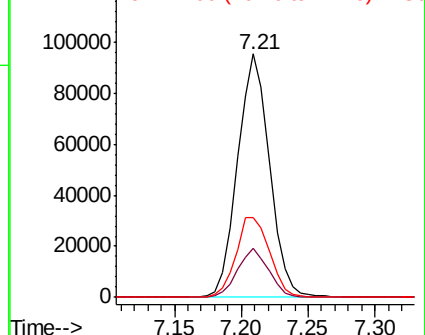
99 100

42 20.4 16.5 24.7

71 32.8 29.4 44.2



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: 14.727 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BG036534.D

Acq: 4 Sep 2018 16:30

Tgt Ion: 70 Resp: 67630

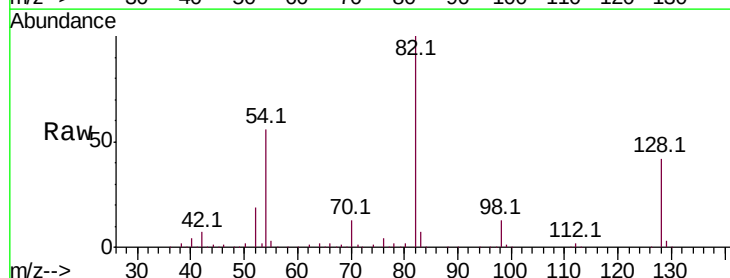
Ion Ratio Lower Upper

70 100

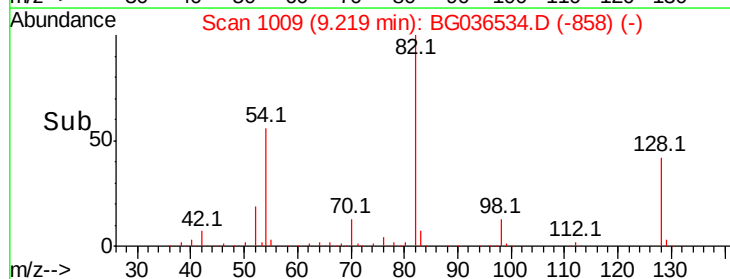
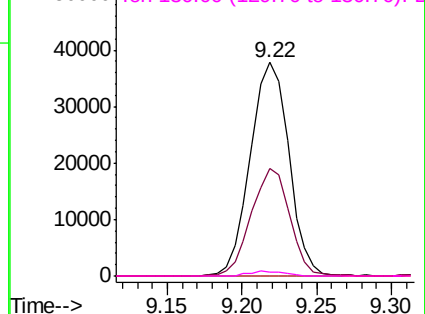
42 50.5 56.2 84.4#

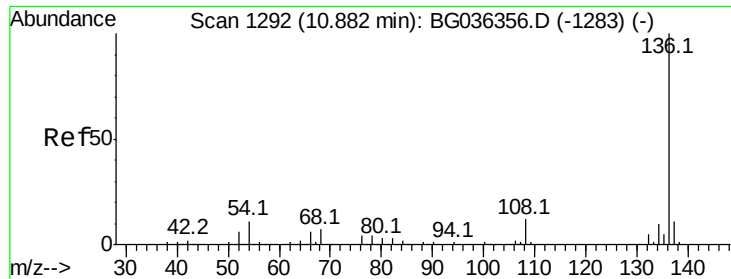
101 0.0 7.8 11.6#

130 1.7 16.2 24.2#



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

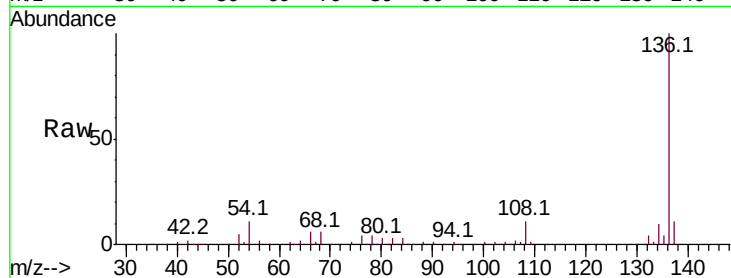




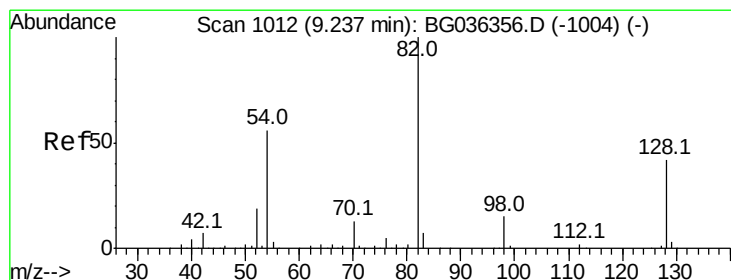
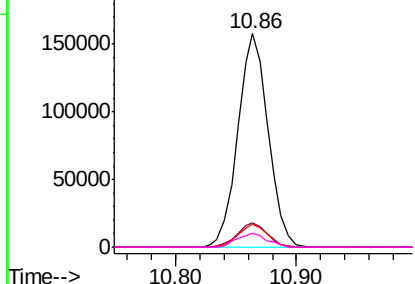
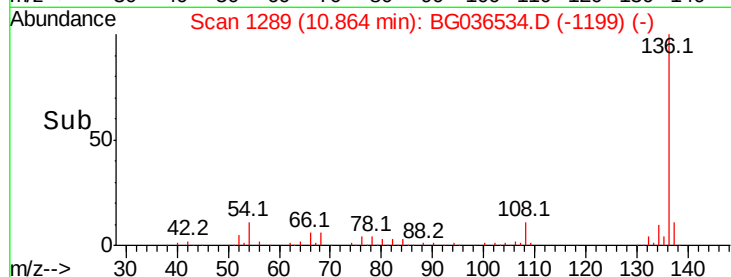
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG036534.D
Acq: 4 Sep 2018 16:30

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	275252
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	10.6	9.2	13.8
68	6.4	5.8	8.6

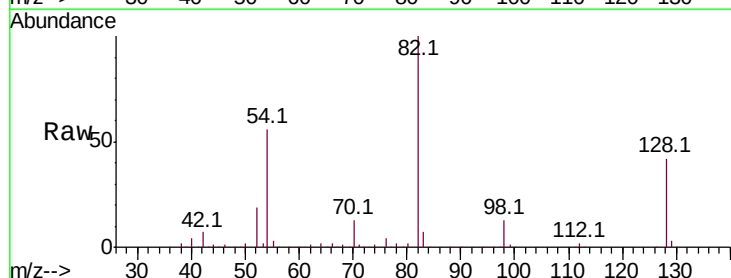


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

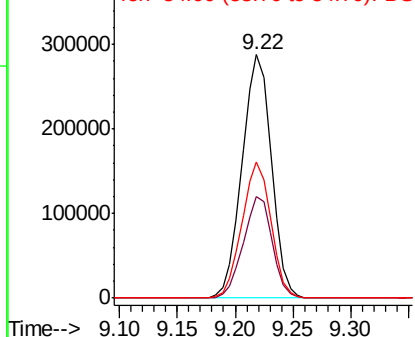
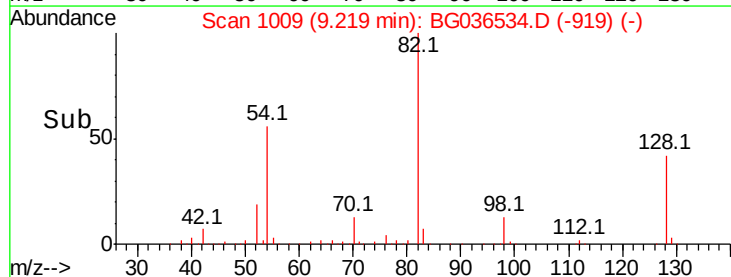


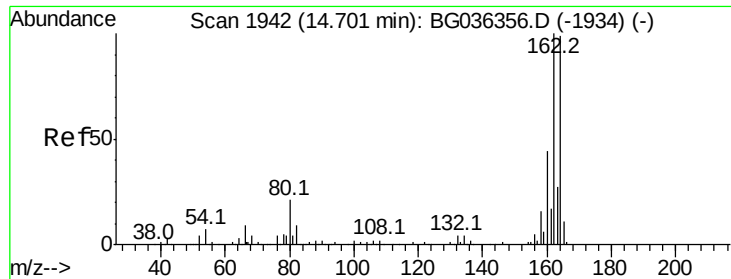
#23
Nitrobenzene-d5
Concen: 100.400 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BG036534.D
Acq: 4 Sep 2018 16:30

Tgt Ion:	82	Resp:	509346
Ion	Ratio	Lower	Upper
82	100		
128	41.5	33.3	49.9
54	55.9	45.1	67.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG036534.D

Acq: 4 Sep 2018 16:30

Instrument :

BNA_G

ClientSampleId :

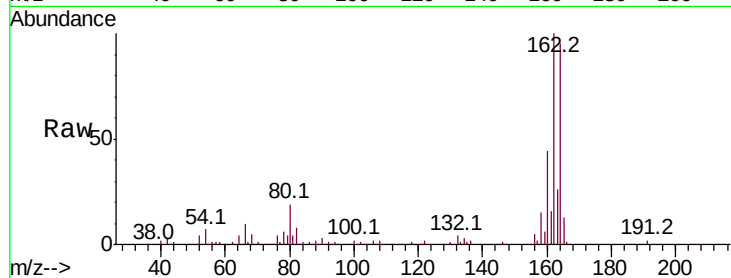
Tot Ion:164 Resp: 176866

Ion Ratio Lower Upper

164 100

162 105.6 80.7 121.1

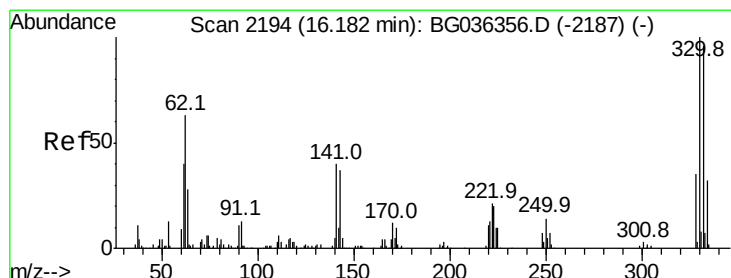
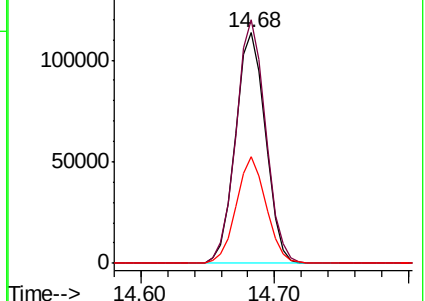
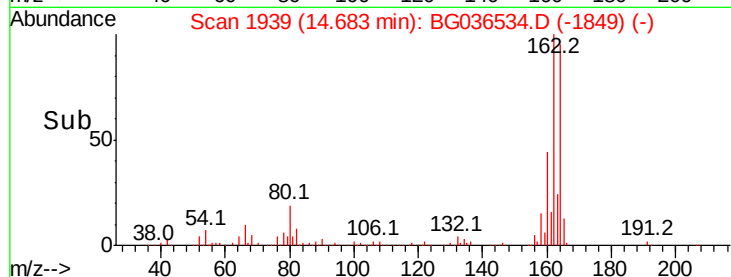
160 46.4 35.3 52.9



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: 99.066 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG036534.D

Acq: 4 Sep 2018 16:30

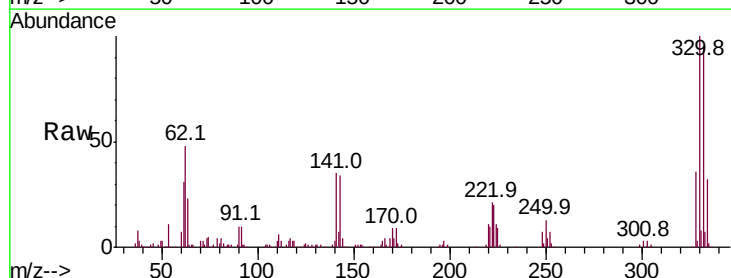
Tgt Ion:330 Resp: 209070

Ion Ratio Lower Upper

330 100

332 96.3 75.4 113.2

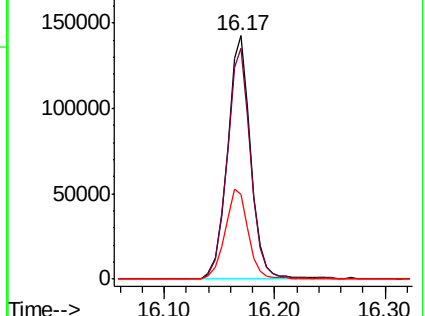
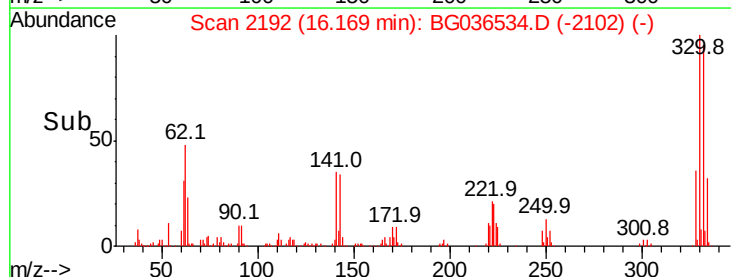
141 37.2 30.7 46.1

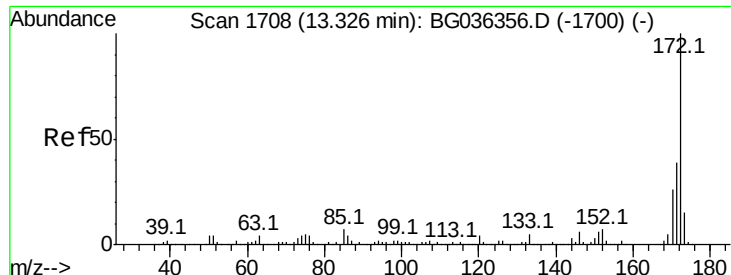


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

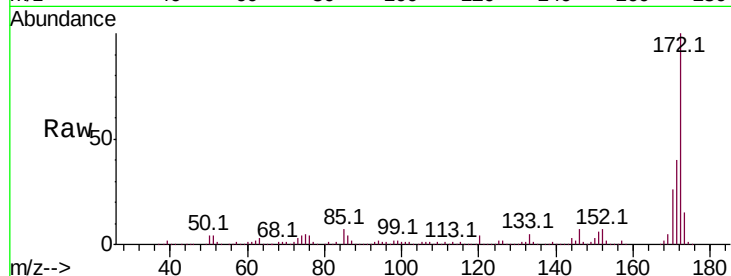




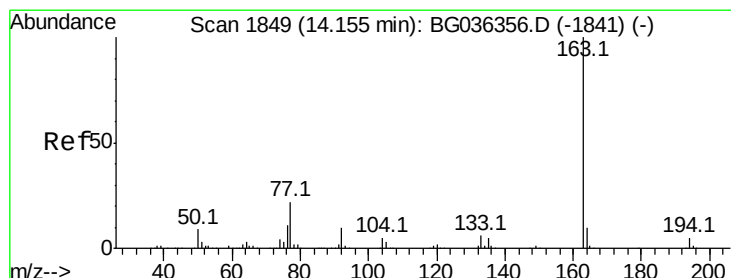
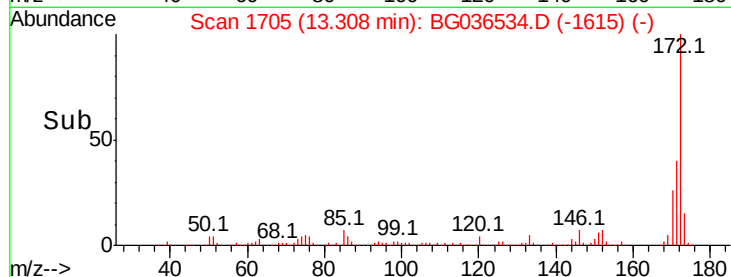
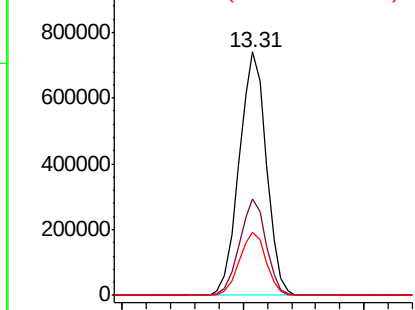
#44
2-Fluorobiphenyl
Concen: 93.739 ng
RT: 13.31 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BG036534.D
Acq: 4 Sep 2018 16:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1161155
Ion Ratio Lower Upper
172 100
171 39.5 31.3 46.9
170 25.9 21.0 31.6

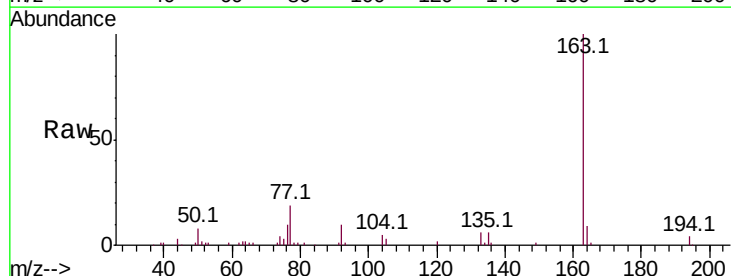


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

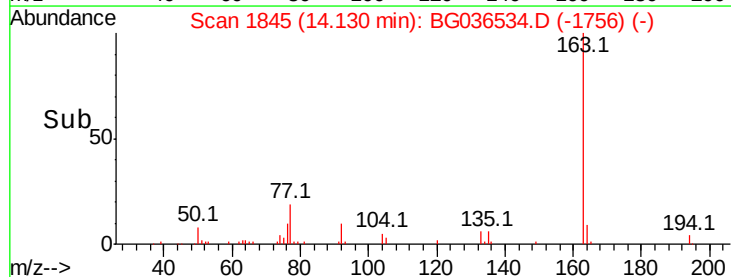
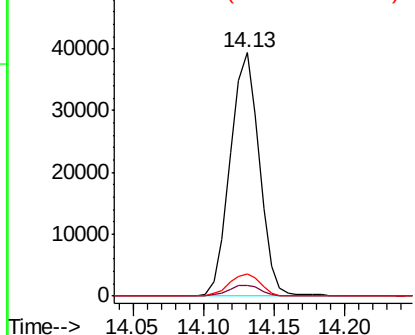


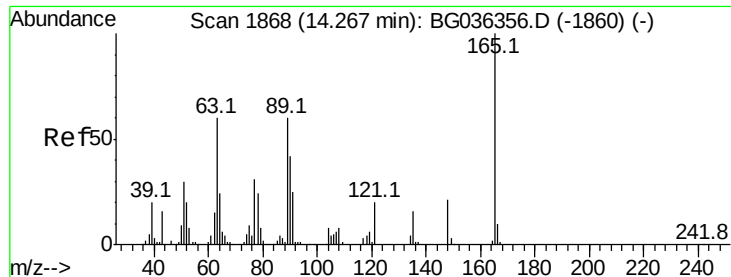
#49
Dimethylphthalate
Concen: 3.914 ng
RT: 14.13 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BG036534.D
Acq: 4 Sep 2018 16:30

Tgt Ion:163 Resp: 56533
Ion Ratio Lower Upper
163 100
194 4.5 4.0 6.0
164 9.2 8.1 12.1



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

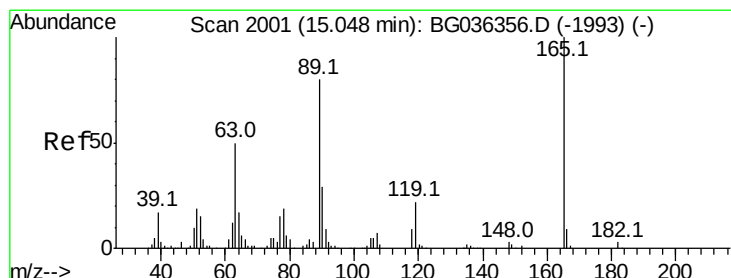
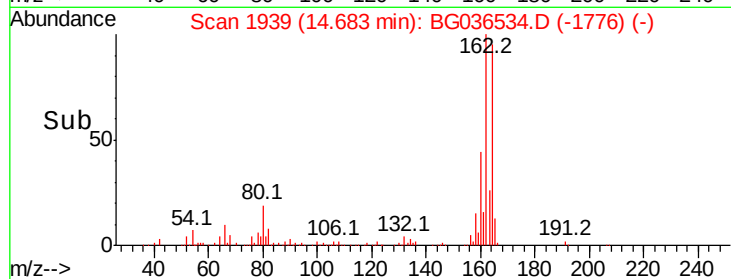
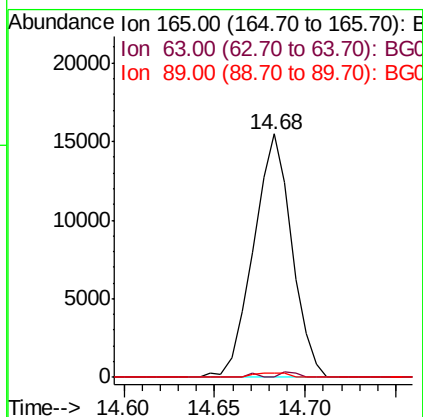
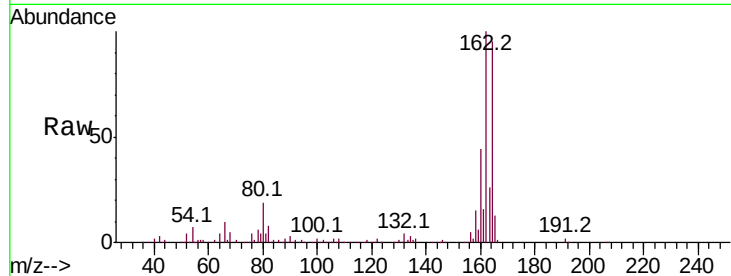




#50
2,6-Dinitrotoluene
Concen: 7.637 ng
RT: 14.68 min Scan# 1939
Delta R.T. 0.43 min
Lab File: BG036534.D
Acq: 4 Sep 2018 16:30

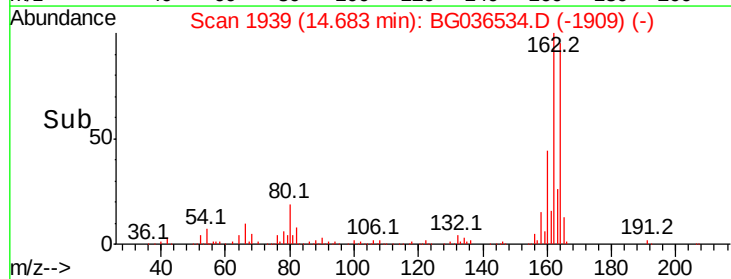
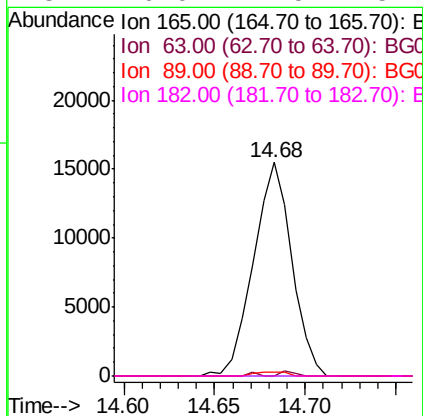
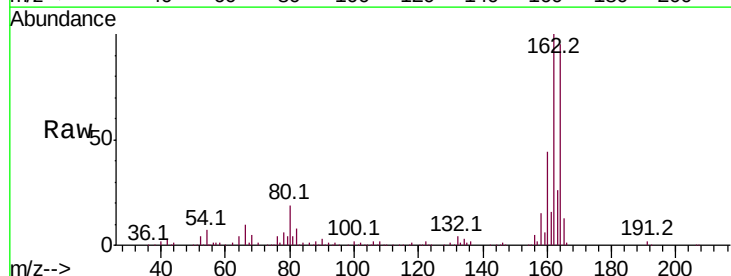
Instrument :
BNA_G
ClientSampleId :

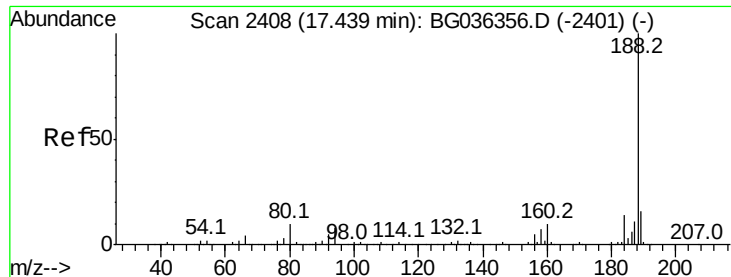
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	1.8	47.8	71.6#



#56
2,4-Dinitrotoluene
Concen: 5.860 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.36 min
Lab File: BG036534.D
Acq: 4 Sep 2018 16:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	1.8	63.7	95.5#
182	0.0	2.5	3.7#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2406

Delta R.T. -0.00 min

Lab File: BG036534.D

Acq: 4 Sep 2018 16:30

Instrument :

BNA_G

ClientSampleId :

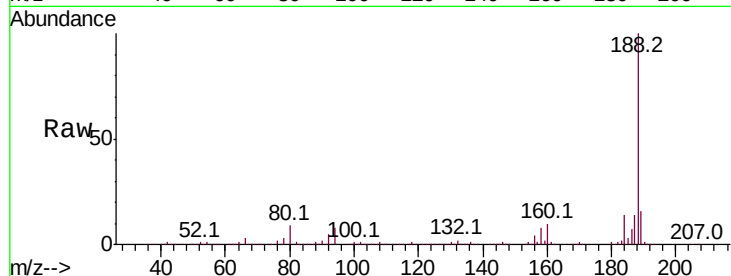
Tot Ion:188 Resp: 446947

Ion Ratio Lower Upper

188 100

94 8.4 6.7 10.1

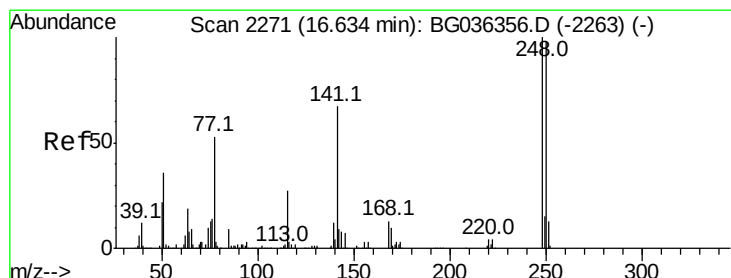
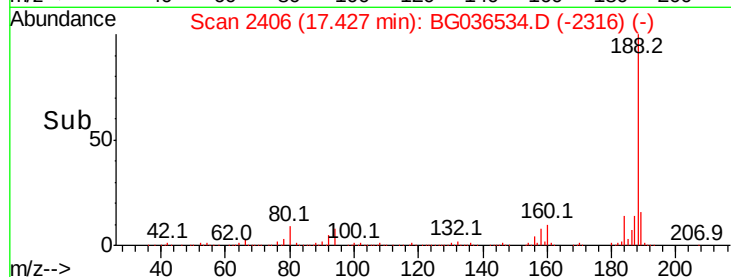
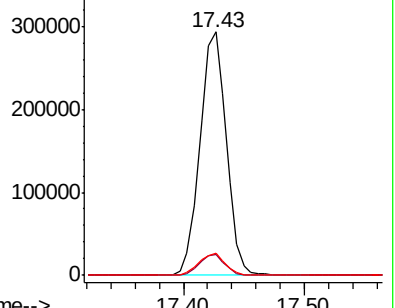
80 9.0 8.1 12.1



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: 2.864 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.45 min

Lab File: BG036534.D

Acq: 4 Sep 2018 16:30

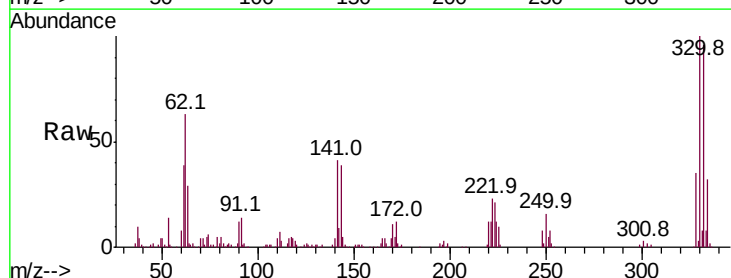
Tgt Ion:248 Resp: 14988

Ion Ratio Lower Upper

248 100

250 205.9 78.1 117.1#

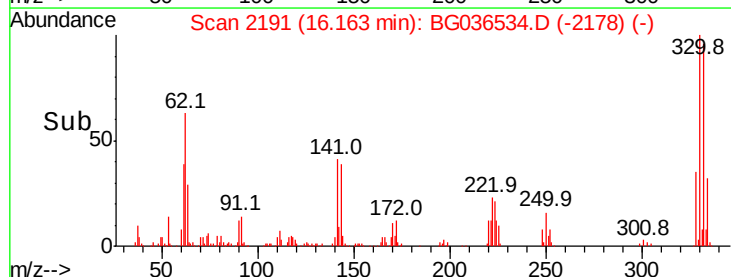
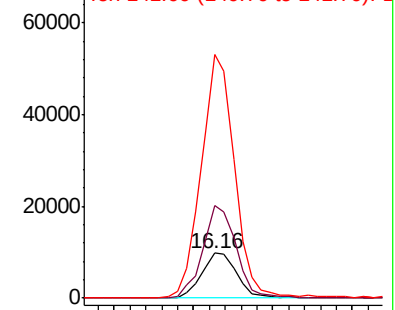
141 539.2 53.7 80.5#

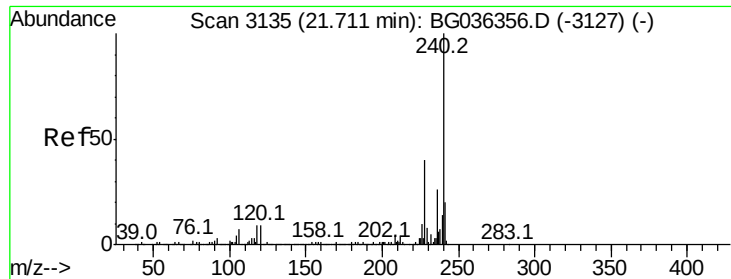


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3131

Delta R.T. -0.01 min

Lab File: BG036534.D

Acq: 4 Sep 2018 16:30

Instrument :

BNA_G

ClientSampleId :

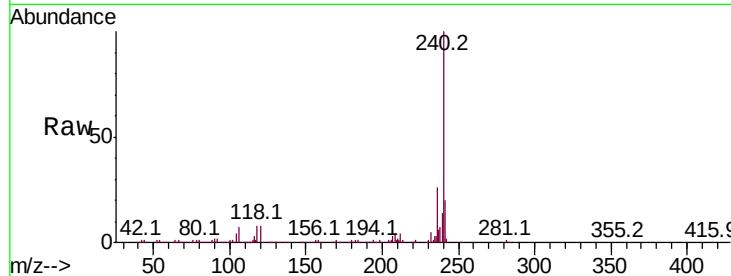
Tot Ion:240 Resp: 471907

Ion Ratio Lower Upper

240 100

120 8.3 6.9 10.3

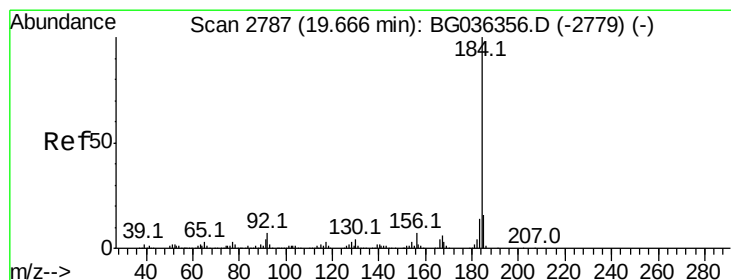
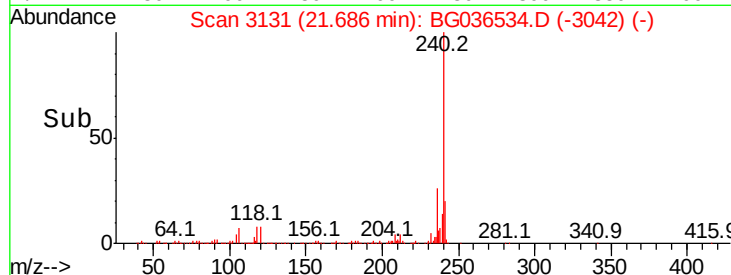
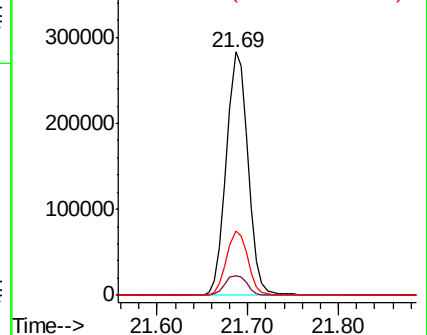
236 26.2 21.2 31.8



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: 2.045 ng

RT: 20.04 min Scan# 2850

Delta R.T. 0.39 min

Lab File: BG036534.D

Acq: 4 Sep 2018 16:30

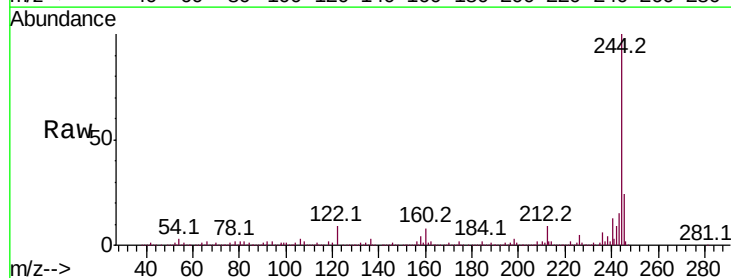
Tgt Ion:184 Resp: 30786

Ion Ratio Lower Upper

184 100

185 12.5 12.6 18.8#

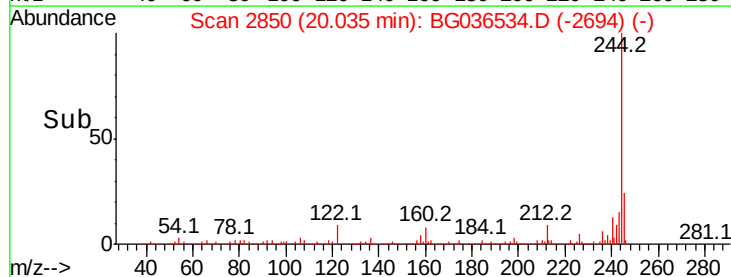
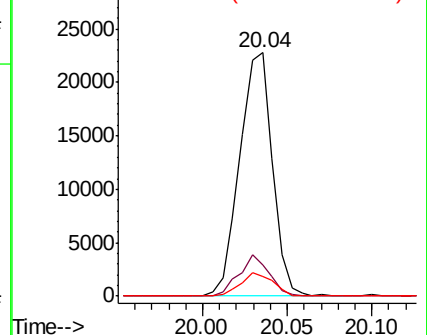
183 8.0 10.9 16.3#

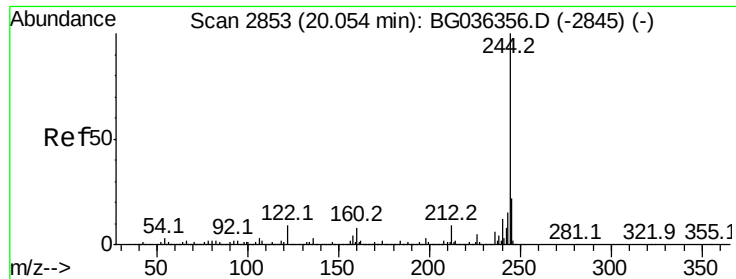


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 84.418 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036534.D

Acq: 4 Sep 2018 16:30

Instrument :

BNA_G

ClientSampleId :

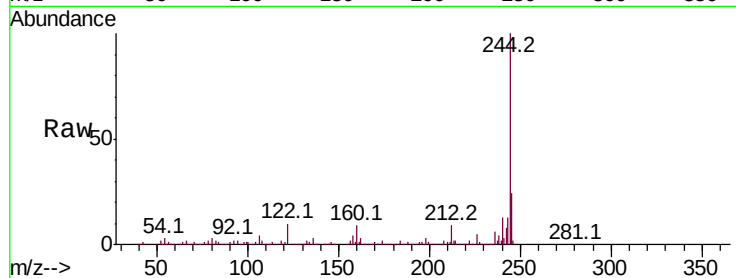
Tot Ion:244 Resp: 1704395

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.0	10.6
122	9.7	7.1	10.7

244 100

212 9.4 7.0 10.6

122 9.7 7.1 10.7

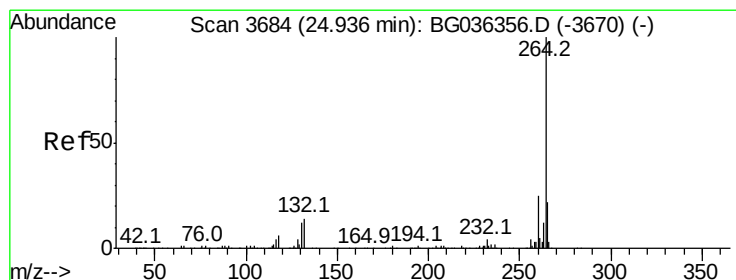
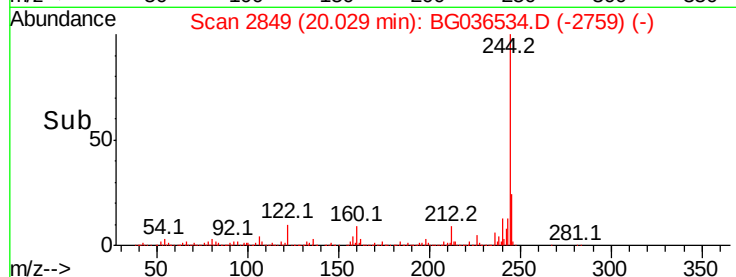
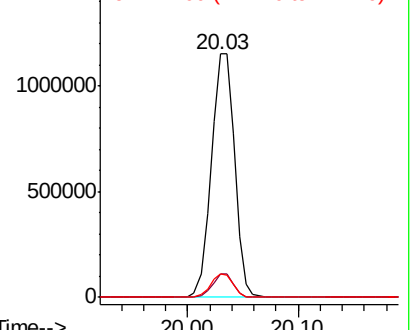


Abundance

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: 24.90 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BG036534.D

Acq: 4 Sep 2018 16:30

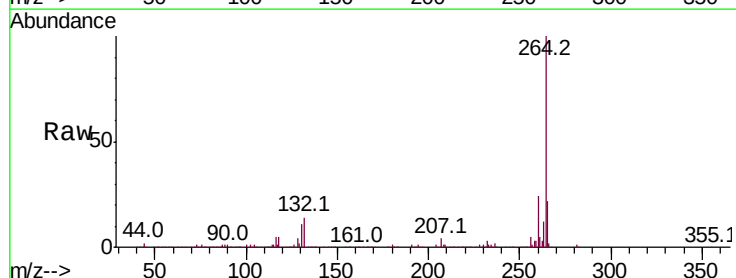
Tgt Ion:264 Resp: 474840

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	21.7	17.4	26.0

264 100

260 23.9 19.6 29.4

265 21.7 17.4 26.0



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

