

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082718\
 Data File : BG036434.D
 Acq On : 27 Aug 2018 16:42
 Operator : JU/SJ
 Sample : J4556-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 27 17:36:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 23 12:07:02 2018
 Response via : Initial Calibration

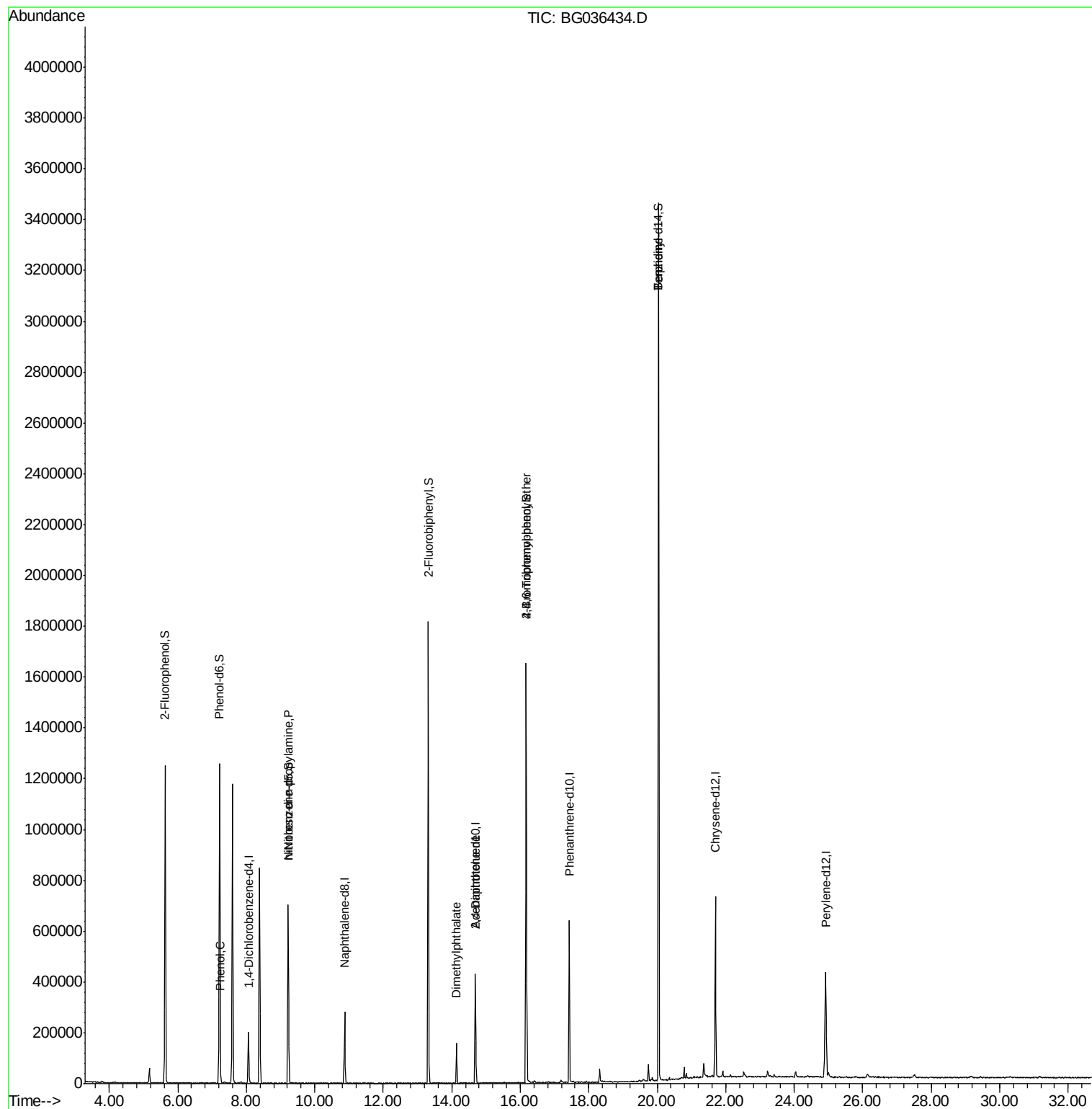
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	55687	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	233494	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	152961	20.00	ng	-0.02
63) Phenanthrene-d10	17.43	188	395933	20.00	ng	0.00
75) Chrysene-d12	21.70	240	433209	20.00	ng	-0.02
86) Perylene-d12	24.91	264	442906	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	518603	147.73	ng	0.00
7) Phenol-d6	7.22	99	723157	143.88	ng	0.00
23) Nitrobenzene-d5	9.23	82	424381	98.61	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	303138	166.09	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	962924	89.88	ng	0.00
78) Terphenyl-d14	20.04	244	1642186	88.60	ng	-0.02
Target Compounds						
10) Phenol	7.25	94	14152	2.691	ng	88
19) n-Nitroso-di-n-propylamine	9.22	70	56606	15.069	ng	# 70
49) Dimethylphthalate	14.14	163	109561	8.772	ng	98
56) 2,4-Dinitrotoluene	14.69	165	19250	5.747	ng	# 21
66) 4-Bromophenyl-phenylether	16.17	248	21985	4.743	ng	# 1
76) Benzidine	20.04	184	28562	2.067	ng	95

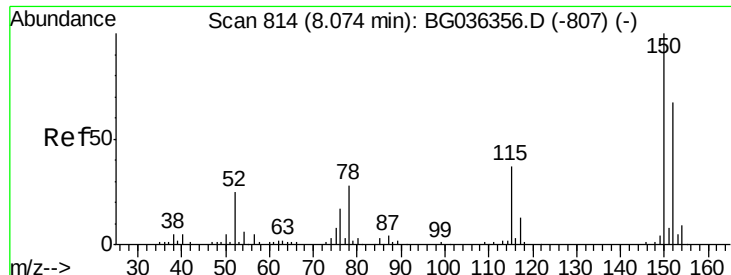
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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Response via : Initial Calibration

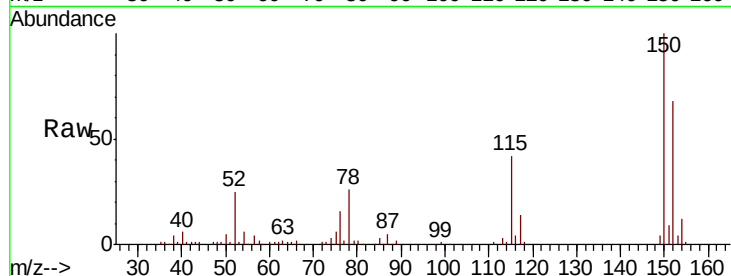




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BG036434.D
 Acq: 27 Aug 2018 16:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.7	119.5	179.3
115	62.1	44.5	66.7

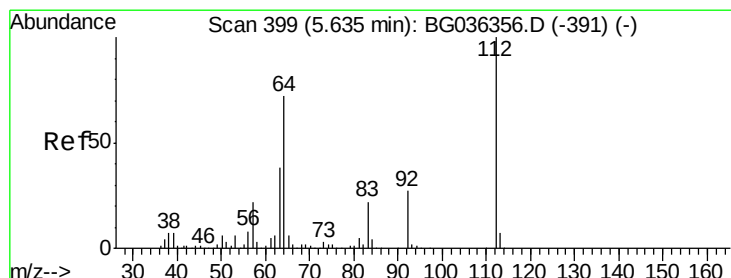
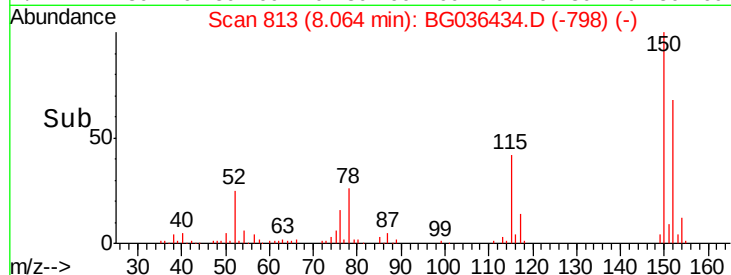
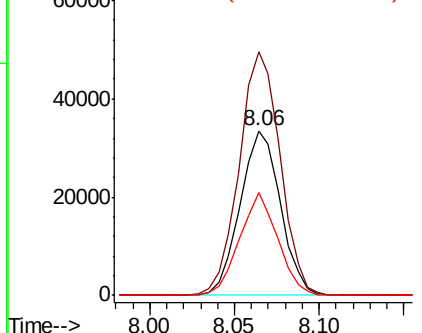


Abundance

Ion 152.00 (151.70 to 152.70): E

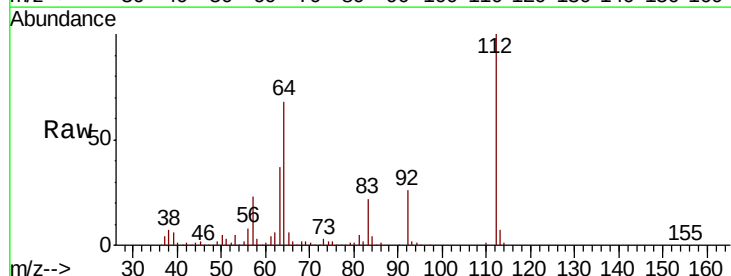
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 147.729 ng
 RT: 5.63 min Scan# 399
 Delta R.T. -0.00 min
 Lab File: BG036434.D
 Acq: 27 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.1	57.2	85.8
63	36.6	30.8	46.2

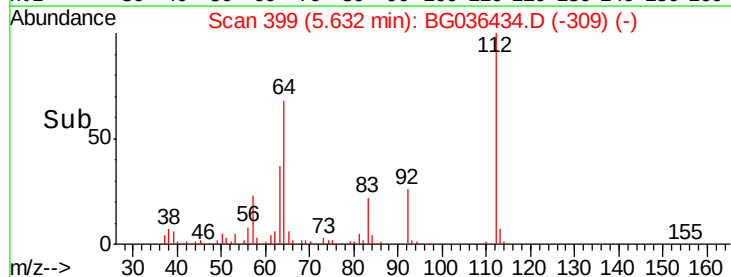
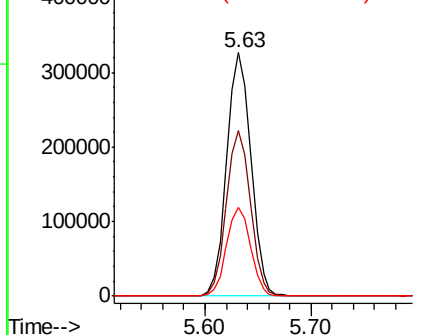


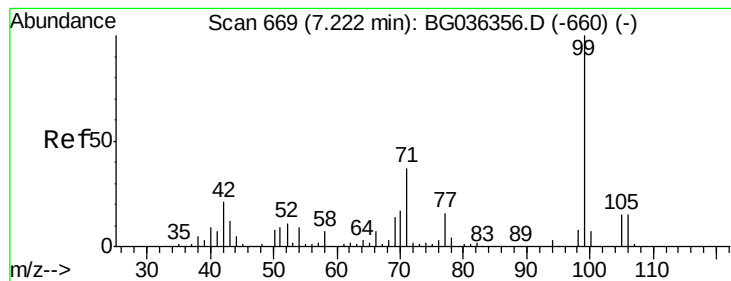
Abundance

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: 143.878 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG036434.D

Acq: 27 Aug 2018 16:42

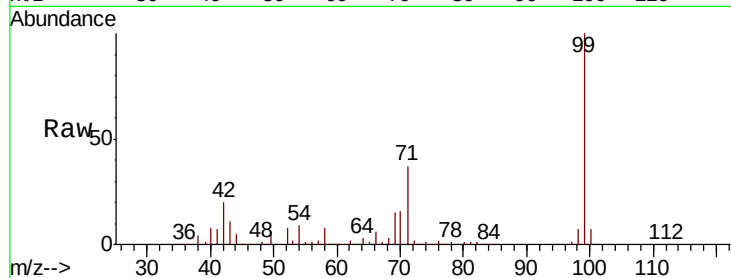
Instrument :

BNA_G

ClientSampled :

Tot Ion: 99 Resp: 723157

Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.5	24.7
71	36.9	29.4	44.2

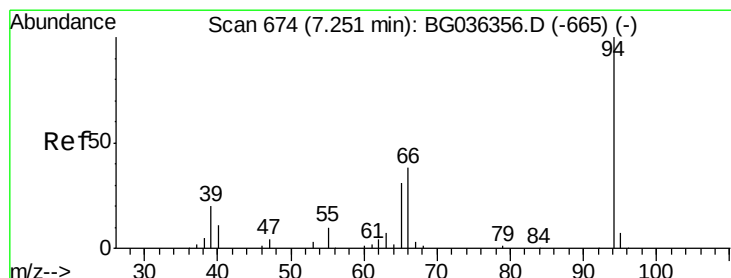
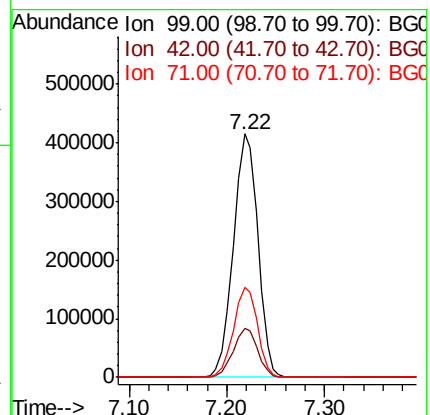
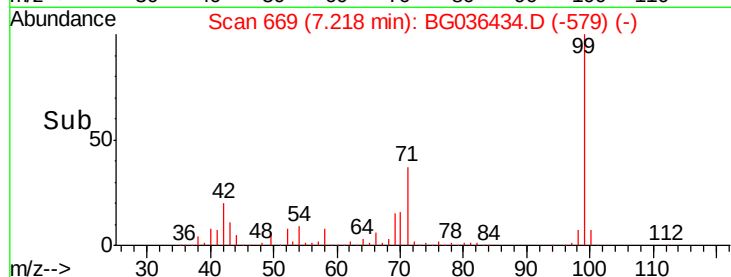


Abundance

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



#10

Phenol

Concen: 2.691 ng

RT: 7.25 min Scan# 674

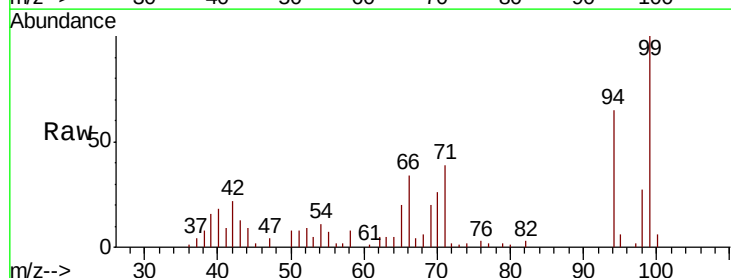
Delta R.T. -0.00 min

Lab File: BG036434.D

Acq: 27 Aug 2018 16:42

Tgt Ion: 94 Resp: 14152

Ion	Ratio	Lower	Upper
94	100		
65	31.3	11.5	51.5
66	52.4	19.5	59.5

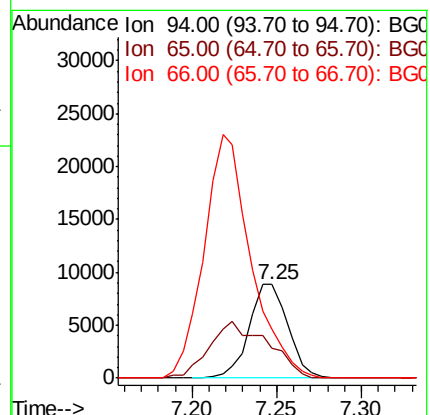
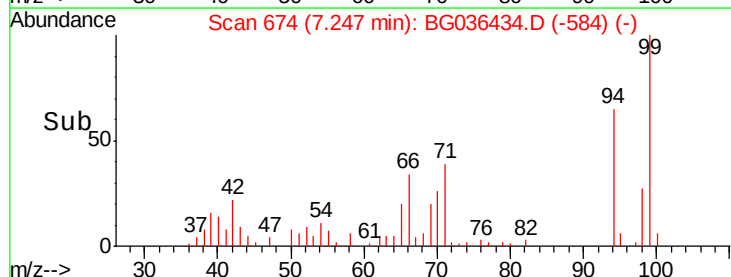


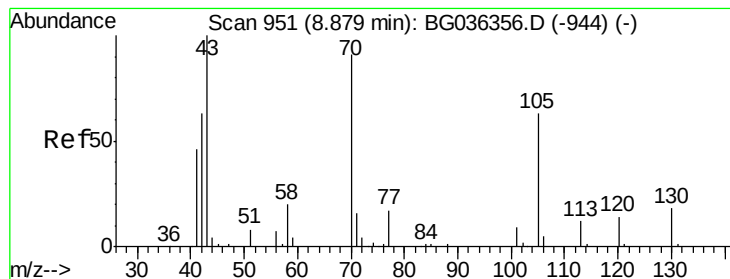
Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 15.069 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG036434.D

Acq: 27 Aug 2018 16:42

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 56606

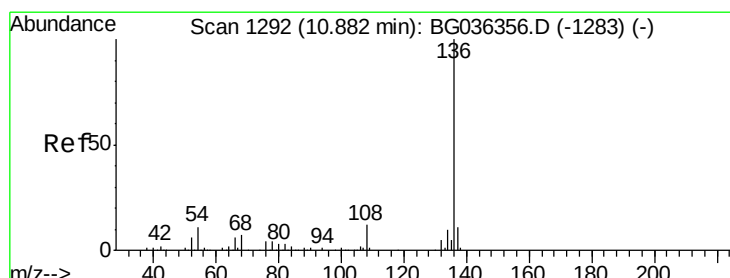
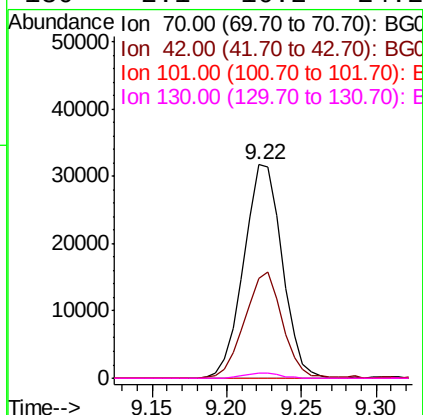
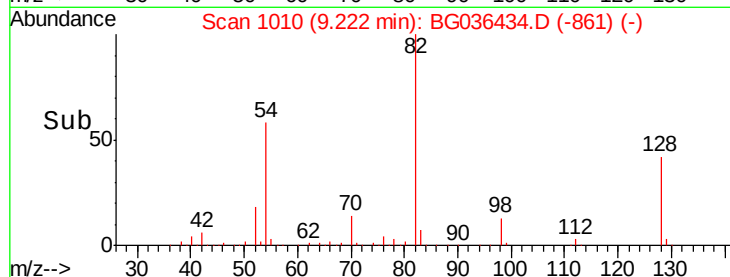
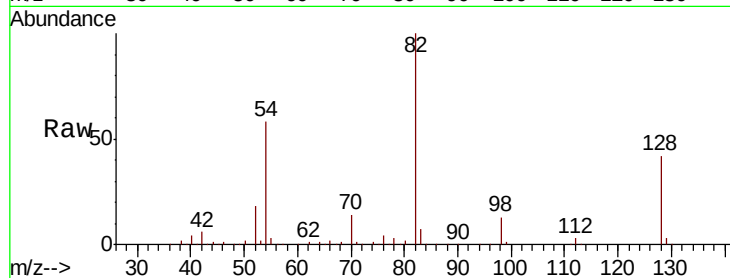
Ion Ratio Lower Upper

70 100

42 46.9 56.2 84.4#

101 0.0 7.8 11.6#

130 2.1 16.2 24.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BG036434.D

Acq: 27 Aug 2018 16:42

Tgt Ion: 136 Resp: 233494

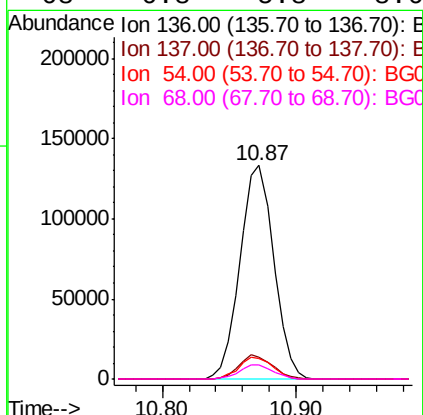
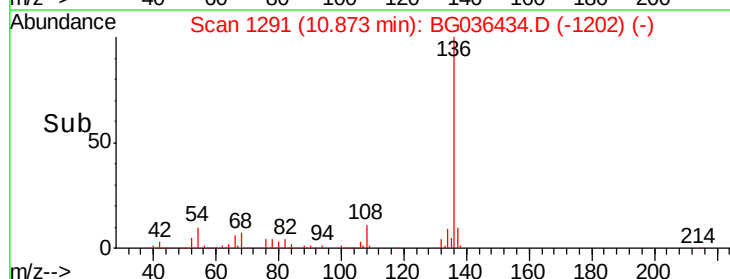
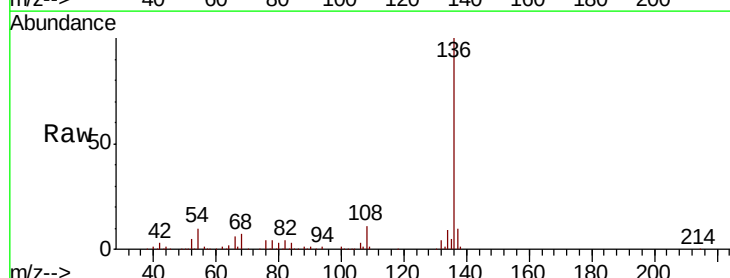
Ion Ratio Lower Upper

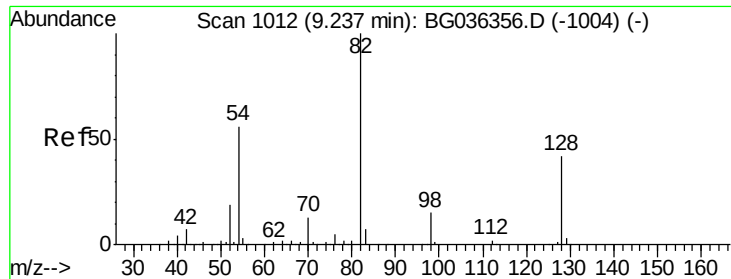
136 100

137 10.5 8.8 13.2

54 9.8 9.2 13.8

68 6.8 5.8 8.6

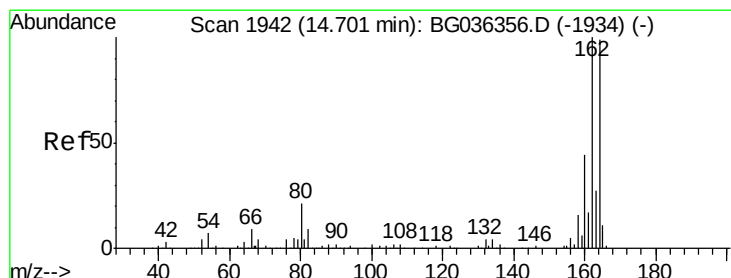
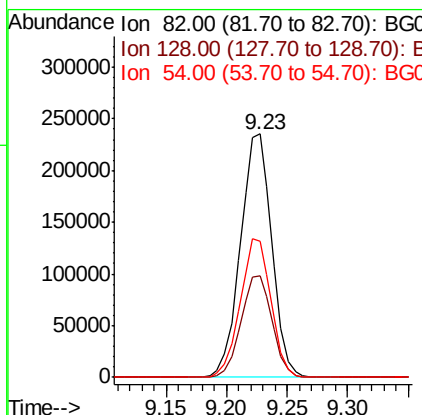
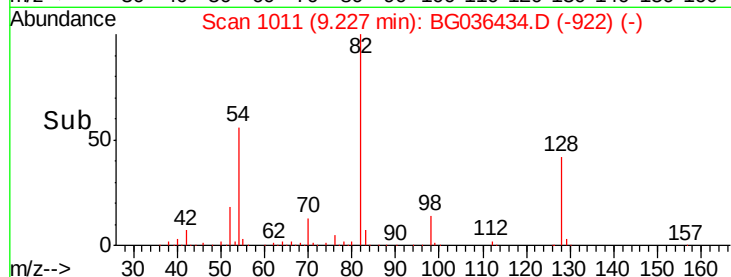
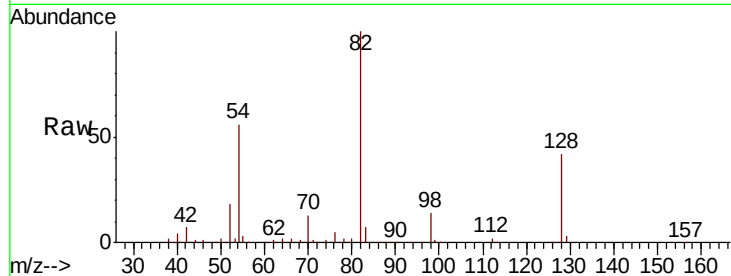




#23
 Nitrobenzene-d5
 Concen: 98.613 ng
 RT: 9.23 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: BG036434.D
 Acq: 27 Aug 2018 16:42

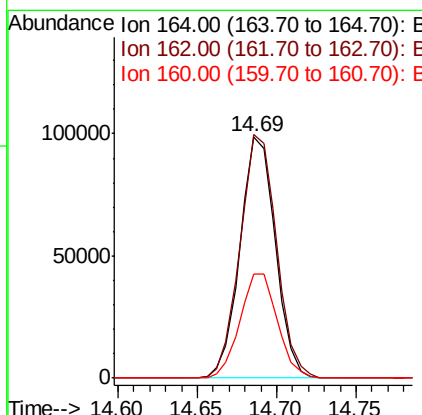
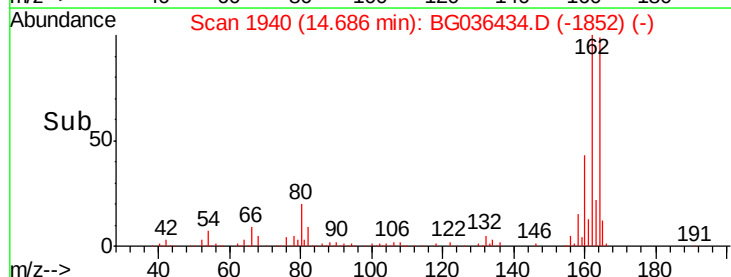
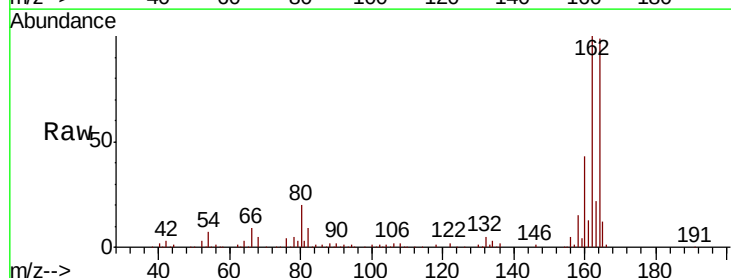
Instrument :
 BNA_G
 ClientSampleId :

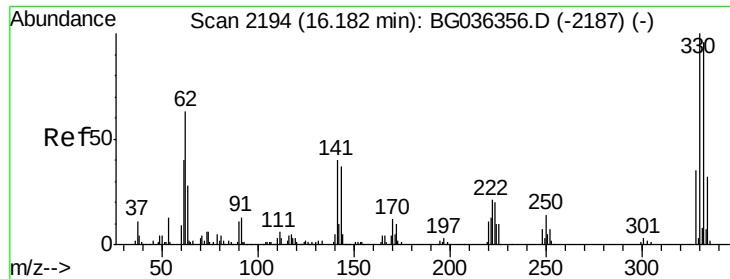
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	33.3	49.9
54	56.1	45.1	67.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. -0.02 min
 Lab File: BG036434.D
 Acq: 27 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.7	121.1
160	42.9	35.3	52.9

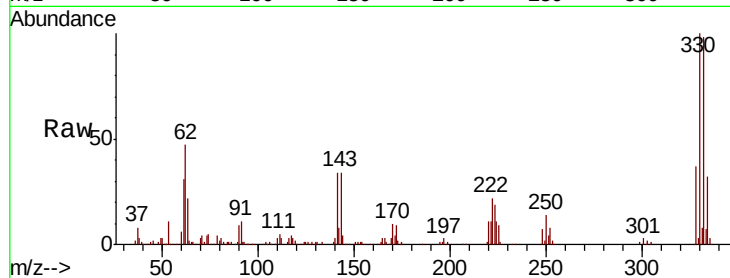




#41
 2,4,6-Tribromophenol
 Concen: 166.088 ng
 RT: 16.18 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BG036434.D
 Acq: 27 Aug 2018 16:42

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	75.4	113.2
141	37.6	30.7	46.1

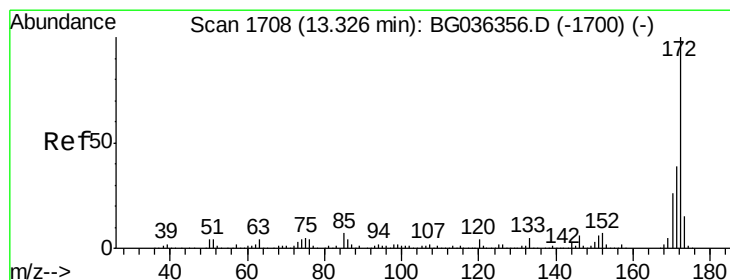
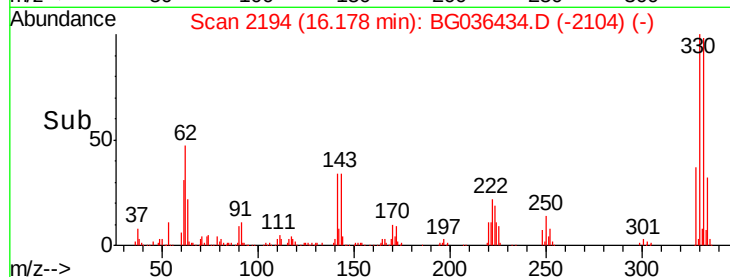
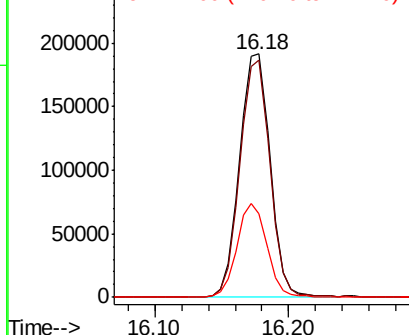


Abundance

Ion 329.80 (329.50 to 330.50): E

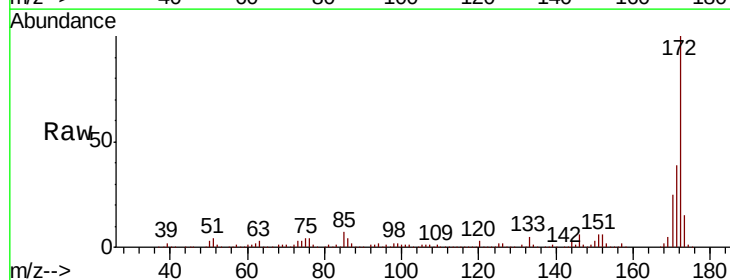
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 89.884 ng
 RT: 13.32 min Scan# 1707
 Delta R.T. -0.01 min
 Lab File: BG036434.D
 Acq: 27 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.6	31.3	46.9
170	25.5	21.0	31.6

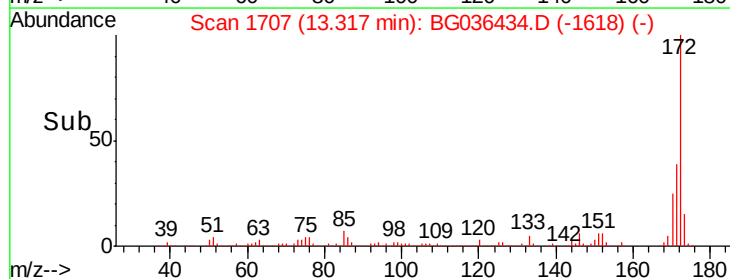
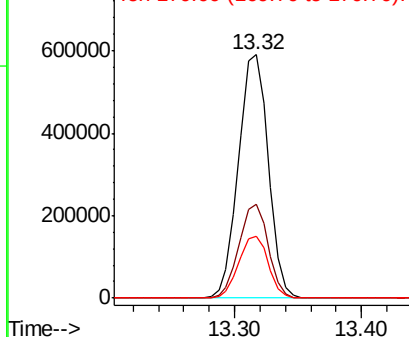


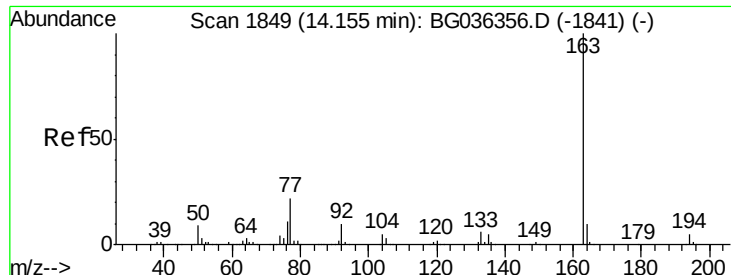
Abundance

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

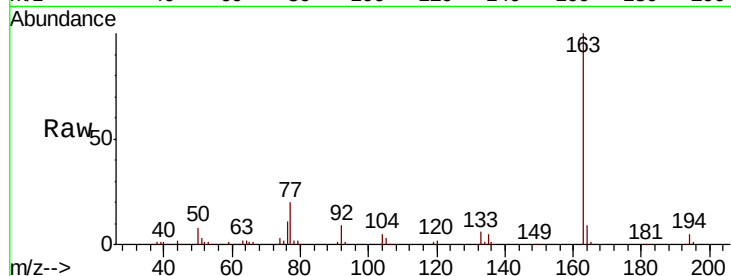




#49
Dimethylphthalate
Concen: 8.772 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BG036434.D
Acq: 27 Aug 2018 16:42

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.2	4.0	6.0
164	9.4	8.1	12.1

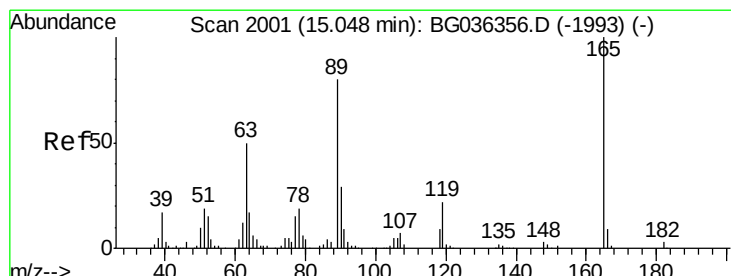
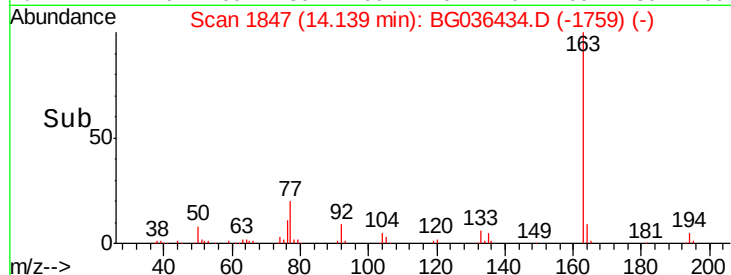
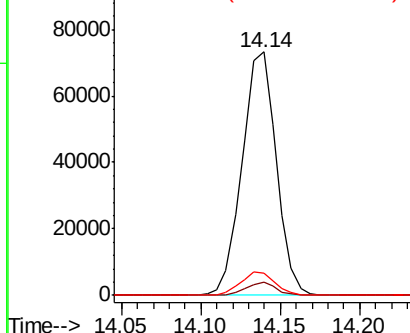


Abundance

Ion 163.00 (162.70 to 163.70): E

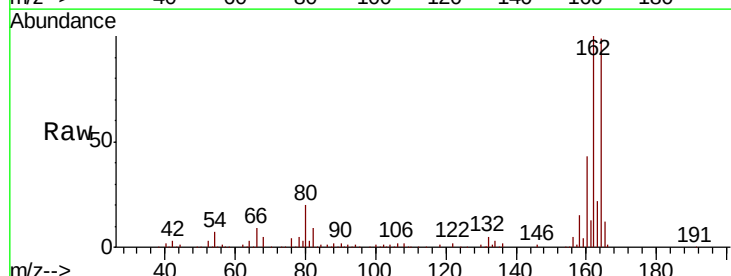
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56
2,4-Dinitrotoluene
Concen: 5.747 ng
RT: 14.69 min Scan# 1940
Delta R.T. -0.36 min
Lab File: BG036434.D
Acq: 27 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.9	40.1	60.1#
89	1.7	63.7	95.5#
182	0.0	2.5	3.7#



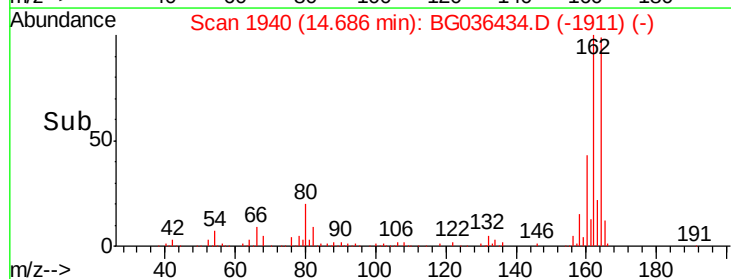
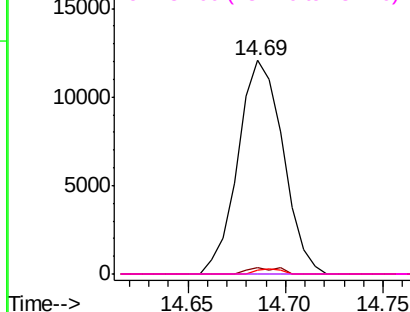
Abundance

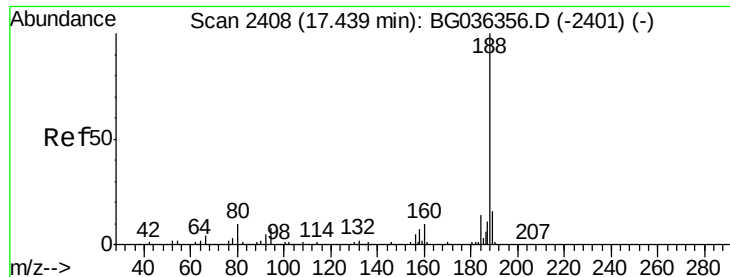
Ion 165.00 (164.70 to 165.70): E

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: 17.43 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BG036434.D

Acq: 27 Aug 2018 16:42

Instrument :

BNA_G

ClientSampleId :

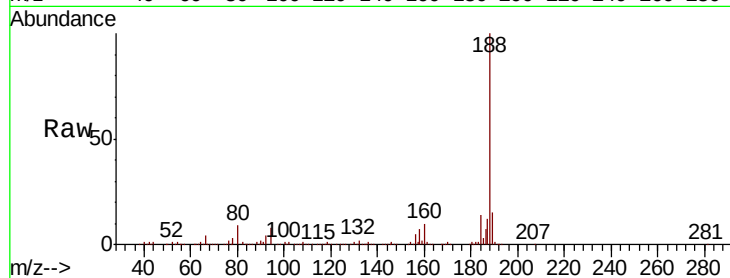
Tot Ion:188 Resp: 395933

Ion Ratio Lower Upper

188 100

94 8.3 6.7 10.1

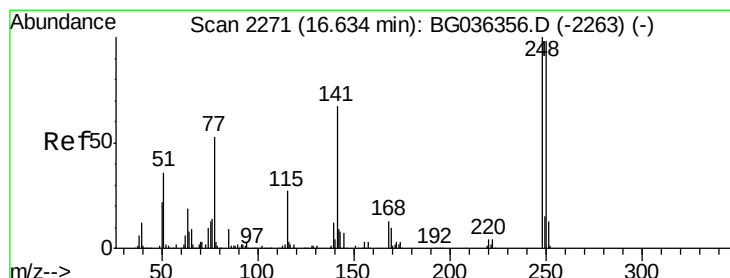
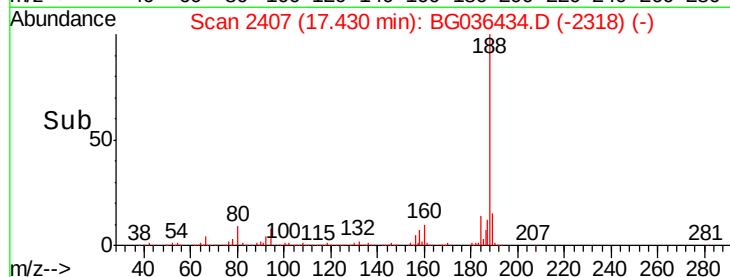
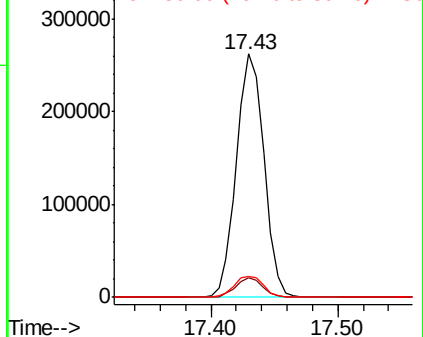
80 8.7 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 4.743 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.46 min

Lab File: BG036434.D

Acq: 27 Aug 2018 16:42

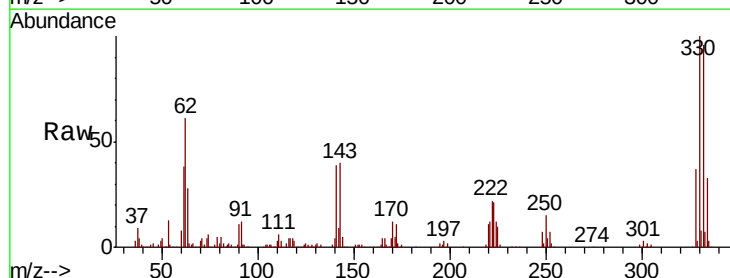
Tgt Ion:248 Resp: 21985

Ion Ratio Lower Upper

248 100

250 201.5 78.1 117.1#

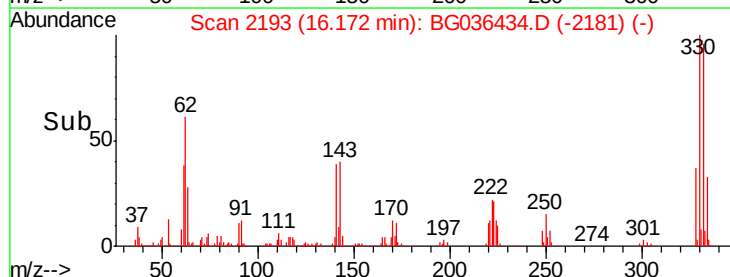
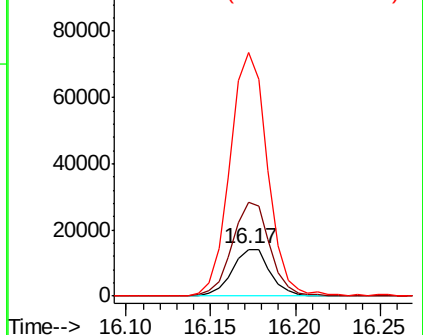
141 522.2 53.7 80.5#

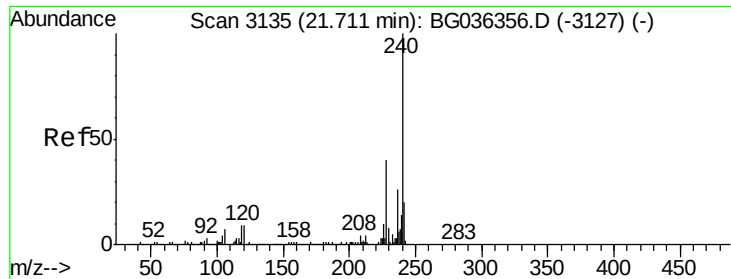


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.70 min Scan# 3133

Delta R.T. -0.02 min

Lab File: BG036434.D

Acq: 27 Aug 2018 16:42

Instrument :

BNA_G

ClientSampleId :

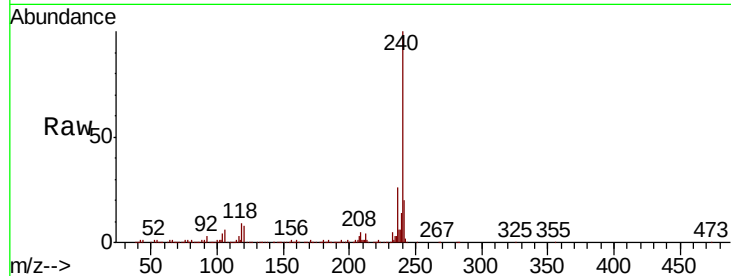
Tot Ion:240 Resp: 433209

Ion Ratio Lower Upper

240 100

120 8.4 6.9 10.3

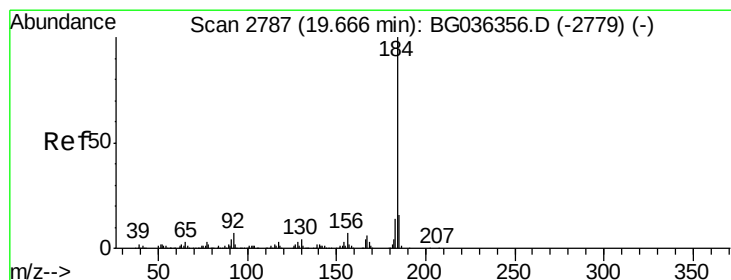
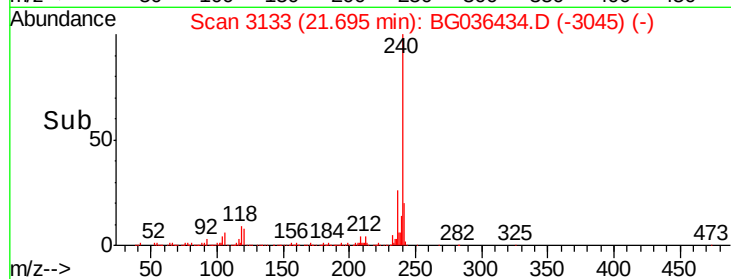
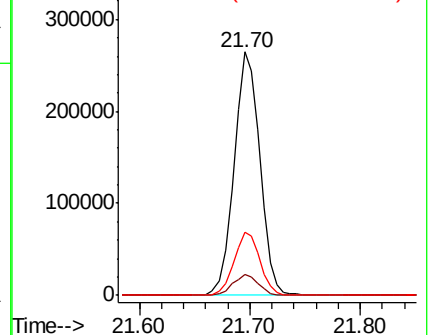
236 26.1 21.2 31.8



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: 2.067 ng

RT: 20.04 min Scan# 2851

Delta R.T. 0.37 min

Lab File: BG036434.D

Acq: 27 Aug 2018 16:42

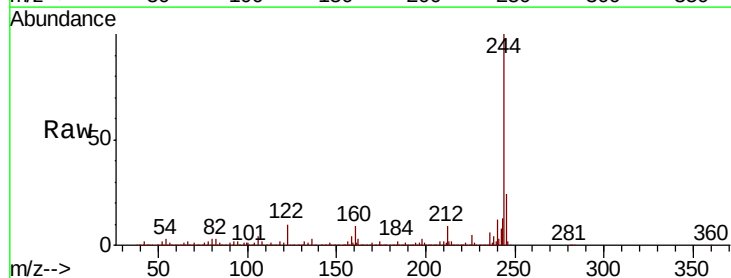
Tgt Ion:184 Resp: 28562

Ion Ratio Lower Upper

184 100

185 17.6 12.6 18.8

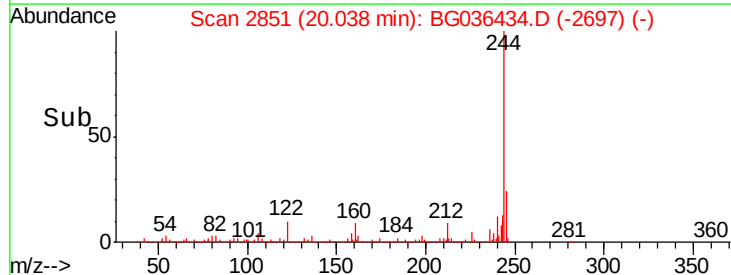
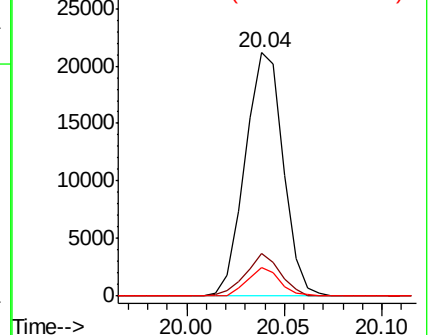
183 11.5 10.9 16.3

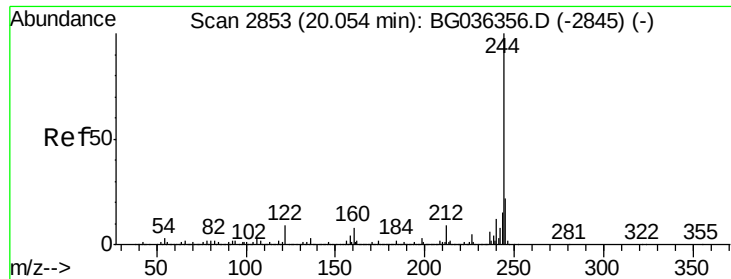


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 88.603 ng

RT: 20.04 min Scan# 2851

Delta R.T. -0.02 min

Lab File: BG036434.D

Acq: 27 Aug 2018 16:42

Instrument :

BNA_G

ClientSampled :

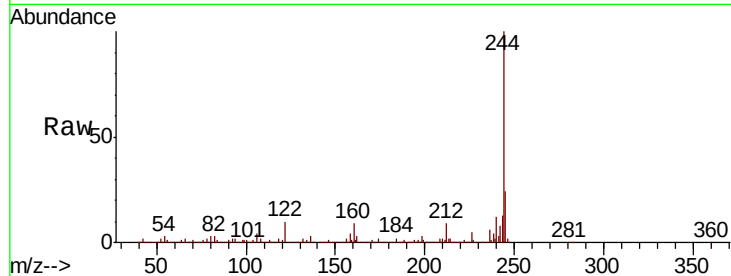
Tot Ion:244 Resp: 1642186

Ion Ratio Lower Upper

244 100

212 9.3 7.0 10.6

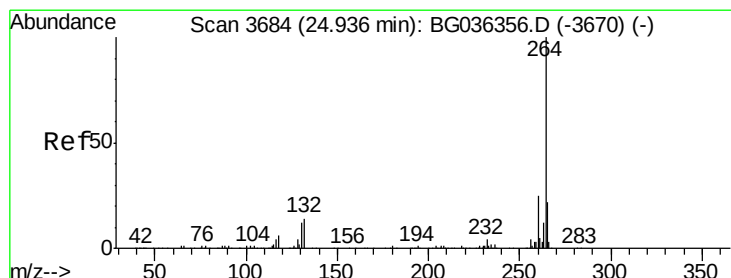
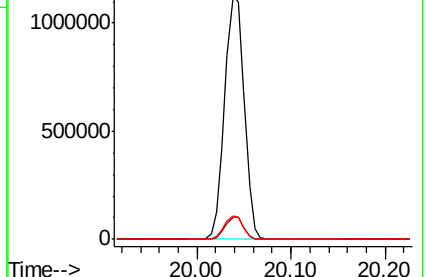
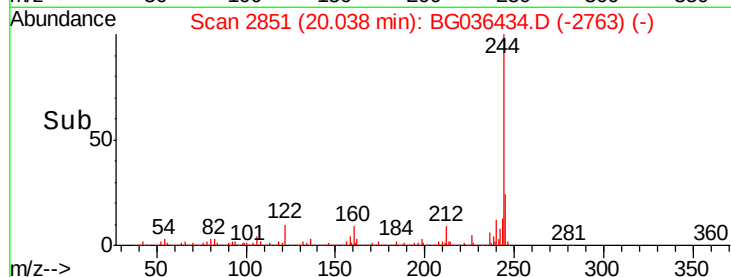
122 9.7 7.1 10.7



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: 24.91 min Scan# 3681

Delta R.T. -0.02 min

Lab File: BG036434.D

Acq: 27 Aug 2018 16:42

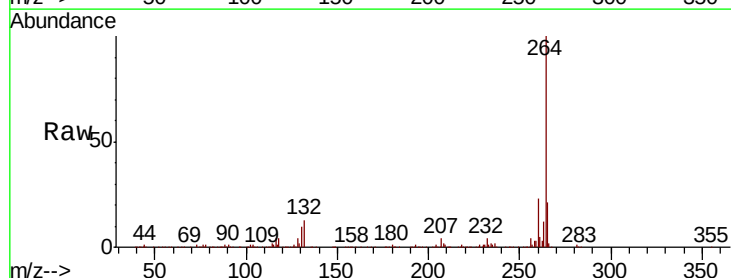
Tgt Ion:264 Resp: 442906

Ion Ratio Lower Upper

264 100

260 23.1 19.6 29.4

265 21.3 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

