

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092118\
 Data File : BG036892.D
 Acq On : 22 Sep 2018 13:35
 Operator : JU/SJ
 Sample : J5019-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 03:54:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 20:07:11 2018
 Response via : Initial Calibration

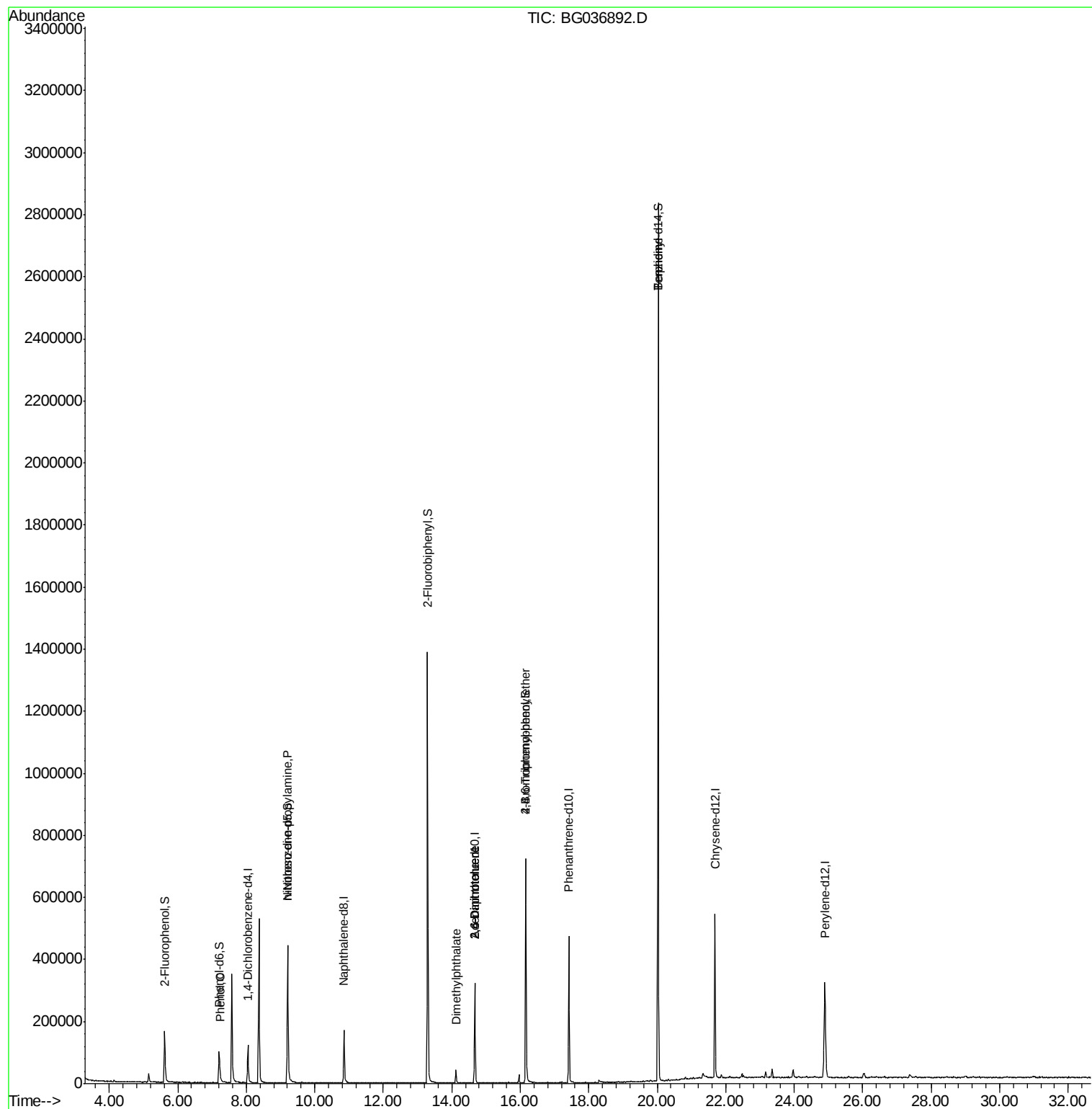
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	39793	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	170301	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	119915	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	312702	20.00	ng	0.00
75) Chrysene-d12	21.68	240	332658	20.00	ng	0.00
86) Perylene-d12	24.89	264	334568	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	89719	43.24	ng	0.00
7) Phenol-d6	7.21	99	77834	24.25	ng	0.00
23) Nitrobenzene-d5	9.21	82	317724	99.91	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	147526	102.83	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	778012	96.63	ng	0.00
78) Terphenyl-d14	20.03	244	1393614	110.16	ng	0.00
Target Compounds						
10) Phenol	7.23	94	7730	2.333	ng	84
19) n-Nitroso-di-n-propylamine	9.21	70	42331	15.851	ng	# 72
49) Dimethylphthalate	14.12	163	35991	3.729	ng	99
50) 2,6-Dinitrotoluene	14.67	165	15458	7.340	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	15458	5.260	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	10242	2.880	ng	# 1
76) Benzidine	20.03	184	24525	2.439	ng	# 92

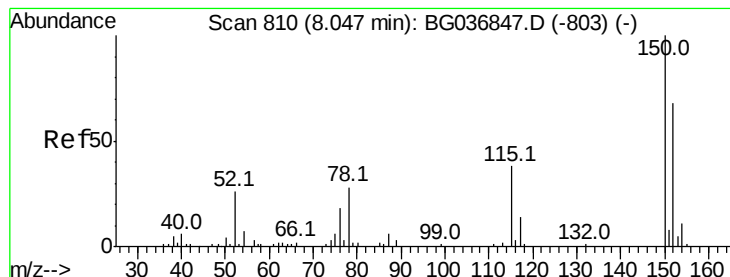
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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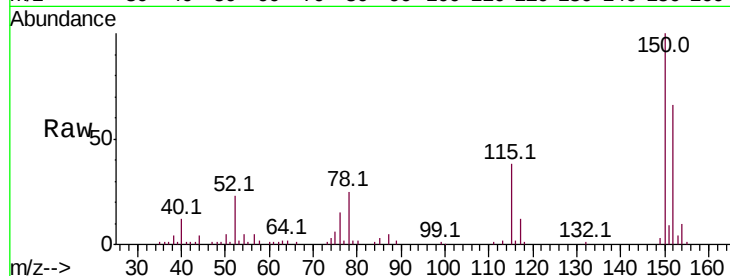


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. -0.00 min
Lab File: BG036892.D
Acq: 22 Sep 2018 13:35

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.6	119.5	179.3
115	56.6	44.5	66.7

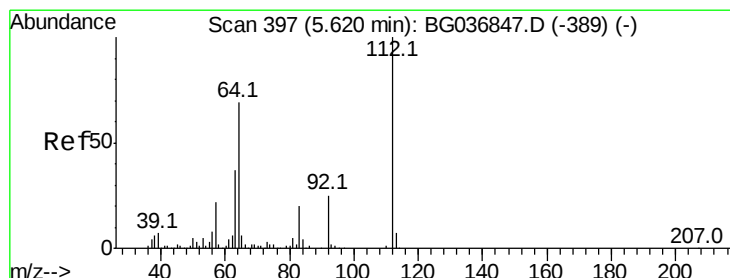
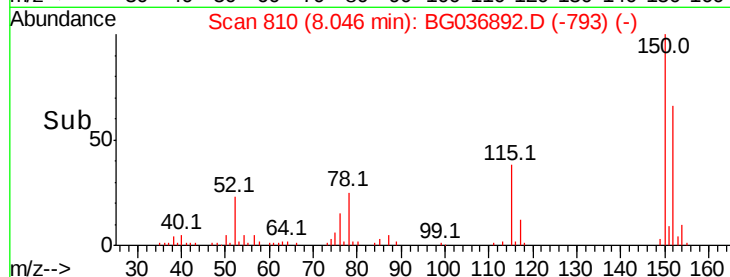
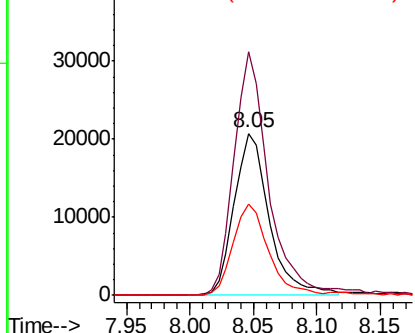


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

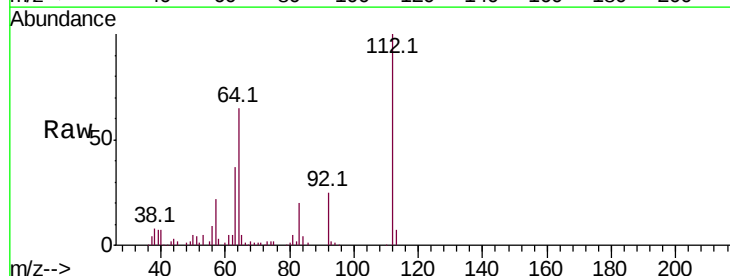
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 43.239 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.00 min
Lab File: BG036892.D
Acq: 22 Sep 2018 13:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	57.2	85.8
63	36.8	30.8	46.2

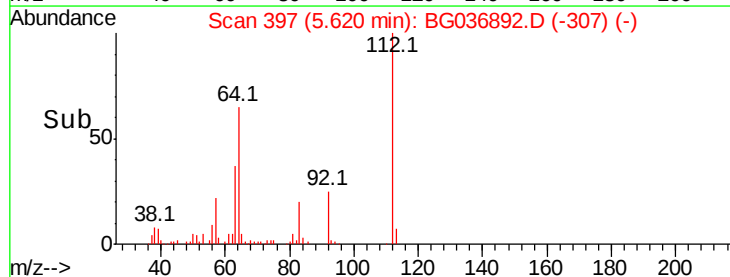
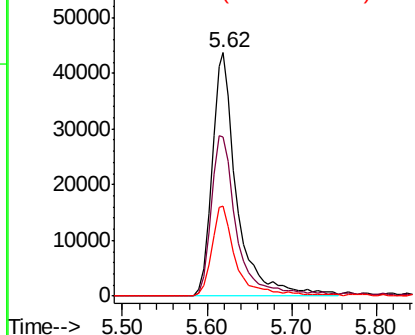


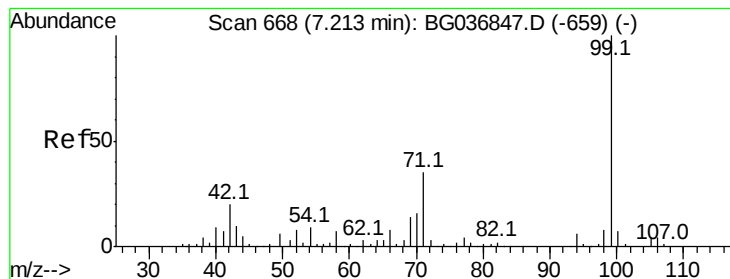
Abundance

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: 24.245 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036892.D

Acq: 22 Sep 2018 13:35

Instrument :

BNA_G

ClientSampleId :

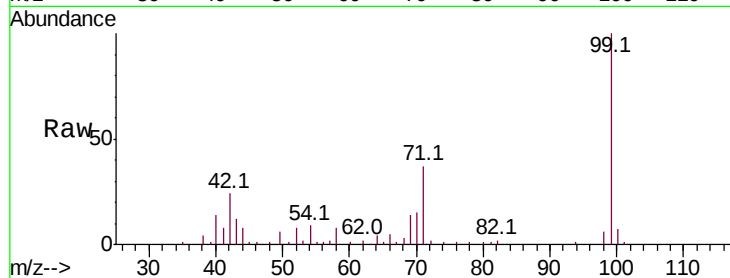
Tot Ion: 99 Resp: 77834

Ion Ratio Lower Upper

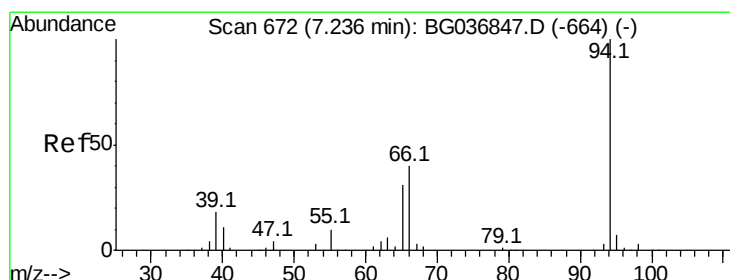
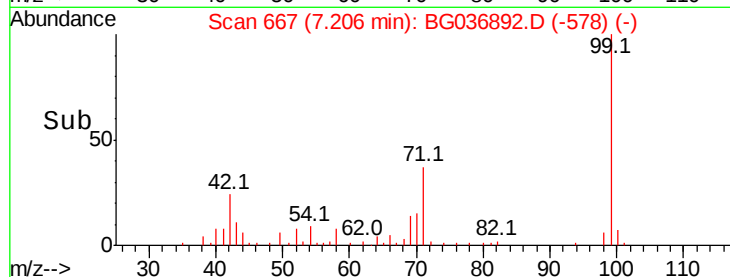
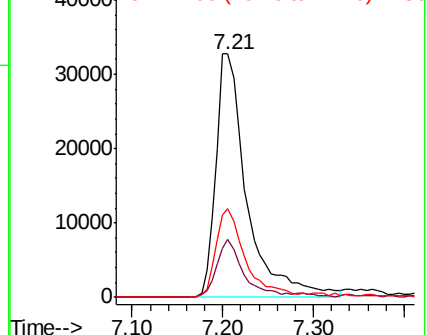
99 100

42 23.6 16.5 24.7

71 36.7 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: 2.333 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.01 min

Lab File: BG036892.D

Acq: 22 Sep 2018 13:35

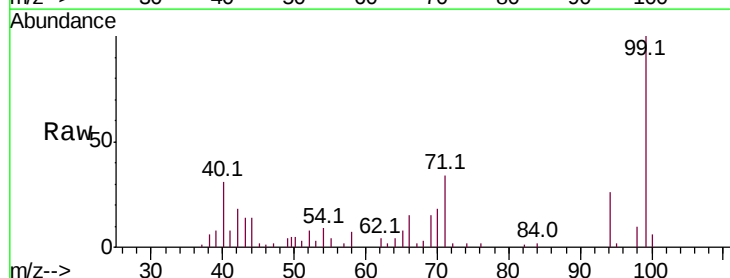
Tgt Ion: 94 Resp: 7730

Ion Ratio Lower Upper

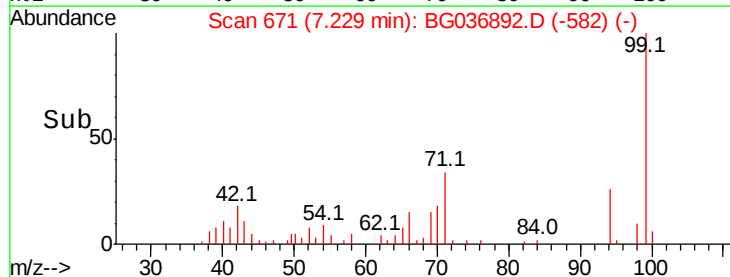
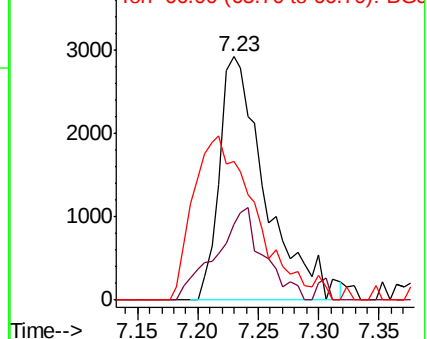
94 100

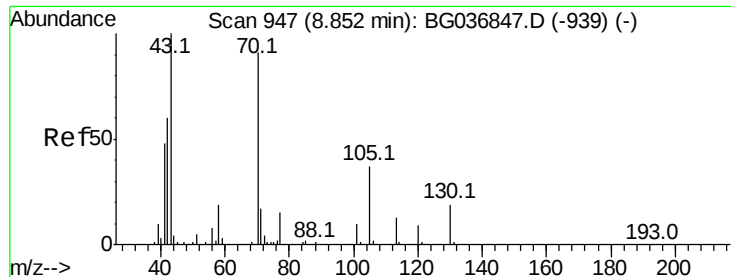
65 31.3 11.5 51.5

66 56.7 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

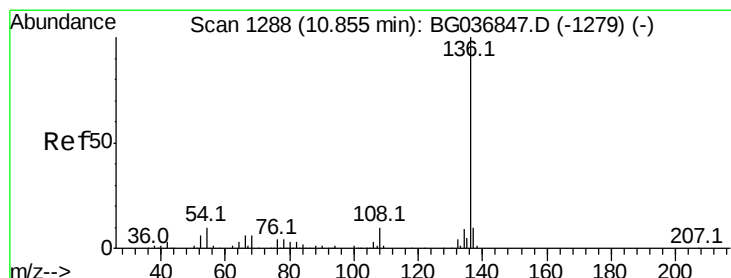
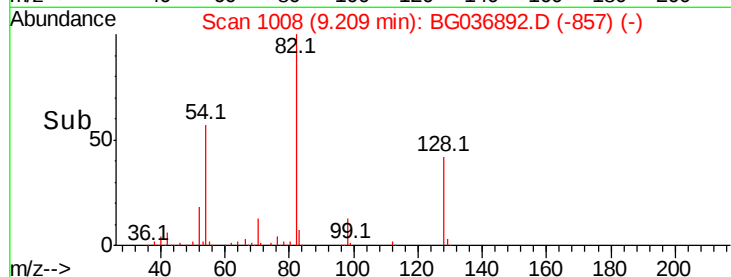
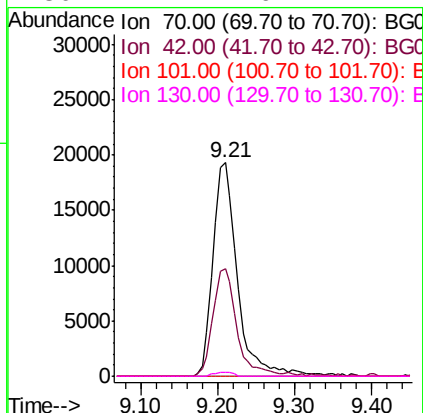
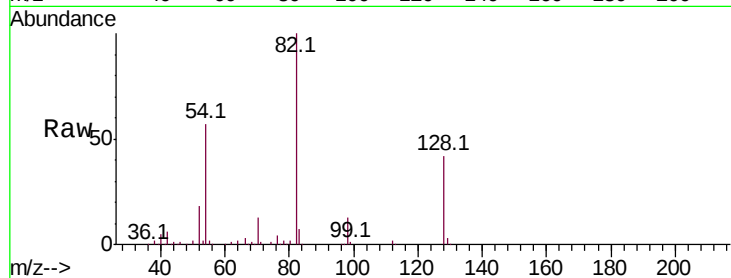




#19
n-Nitroso-di-n-propylamine
Concen: 15.851 ng
RT: 9.21 min Scan# 1008
Delta R.T. 0.36 min
Lab File: BG036892.D
Acq: 22 Sep 2018 13:35

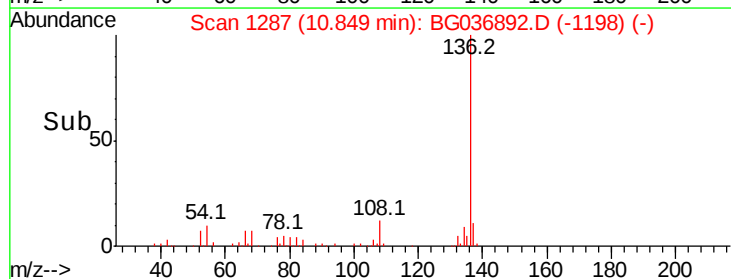
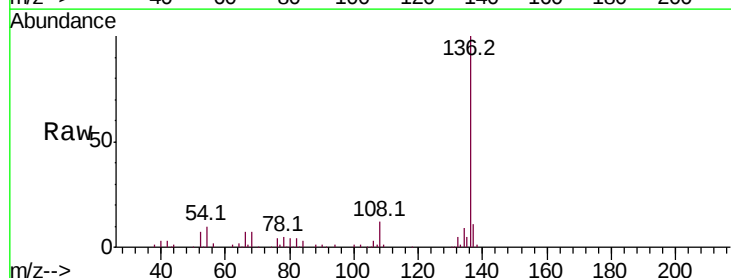
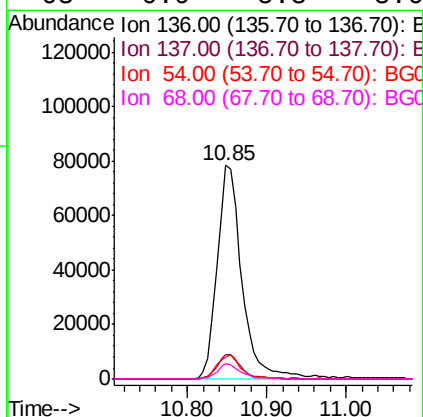
Instrument :
BNA_G
ClientSampleId :

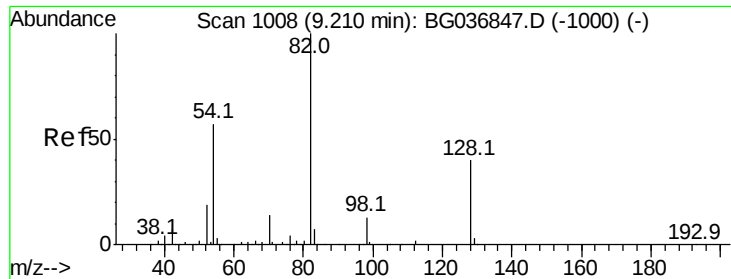
Tot Ion: 70 Resp: 42331
Ion Ratio Lower Upper
70 100
42 50.1 56.2 84.4#
101 0.0 7.8 11.6#
130 2.1 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036892.D
Acq: 22 Sep 2018 13:35

Tgt Ion: 136 Resp: 170301
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.3 9.2 13.8
68 6.9 5.8 8.6

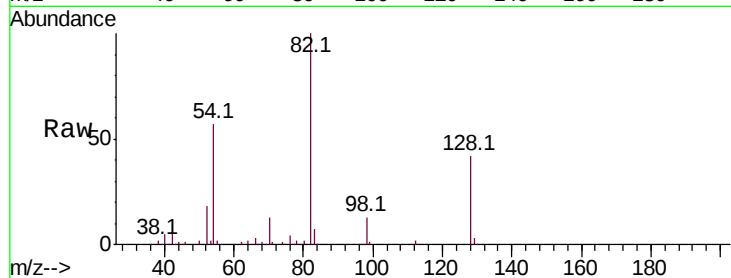




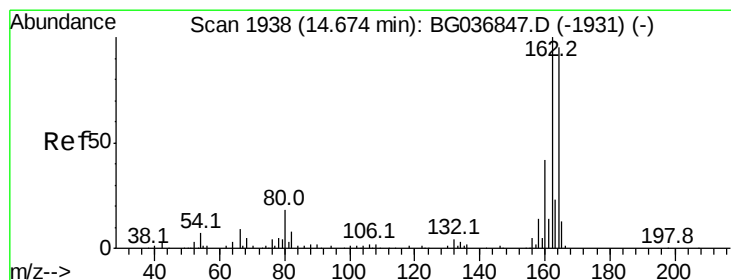
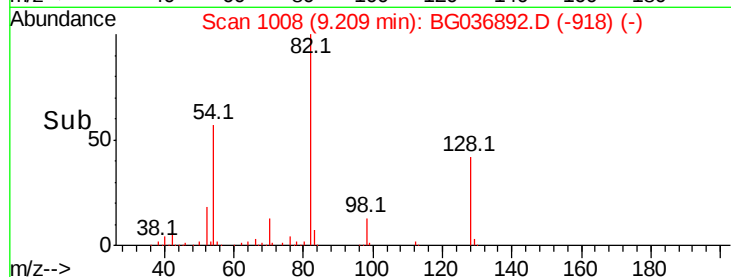
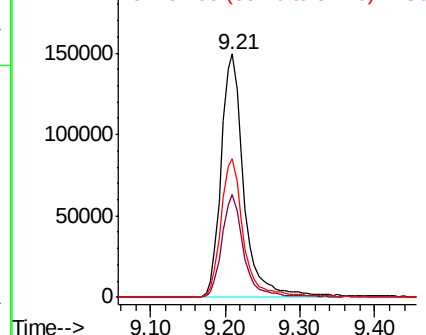
#23
Nitrobenzene-d5
Concen: 99.908 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BG036892.D
Acq: 22 Sep 2018 13:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	317724
Ion Ratio	Lower	Upper	
82	100		
128	42.4	33.3	49.9
54	56.8	45.1	67.7

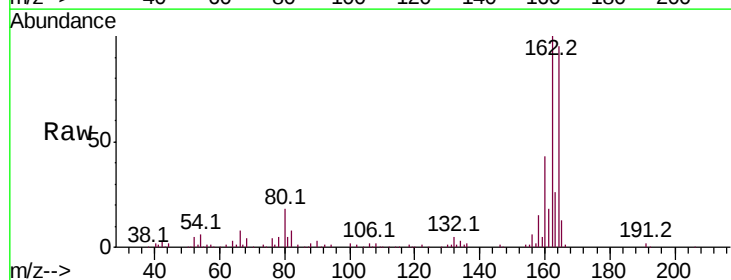


Abundance Ion 82.00 (81.70 to 82.70): BG036847.D (-1000) (-)

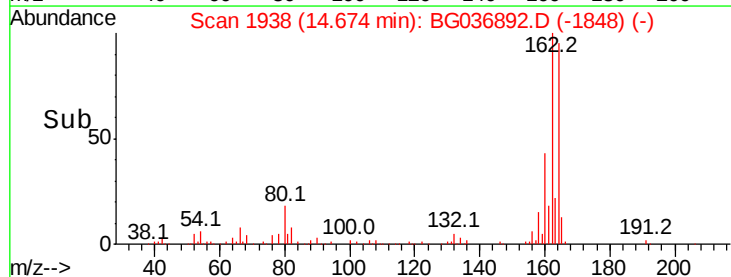
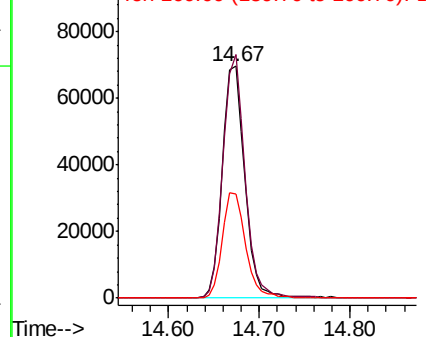


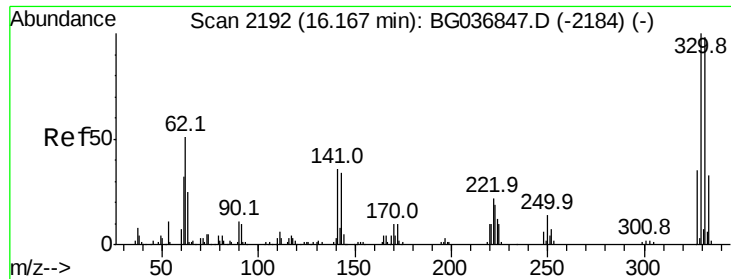
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.00 min
Lab File: BG036892.D
Acq: 22 Sep 2018 13:35

Tgt Ion	164	Resp	119915
Ion Ratio	Lower	Upper	
164	100		
162	105.0	80.7	121.1
160	45.0	35.3	52.9



Abundance Ion 164.00 (163.70 to 164.70): BG036847.D (-1931) (-)





#41

2,4,6-Tribromophenol

Concen: 102.826 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036892.D

Acq: 22 Sep 2018 13:35

Instrument :

BNA_G

ClientSampled :

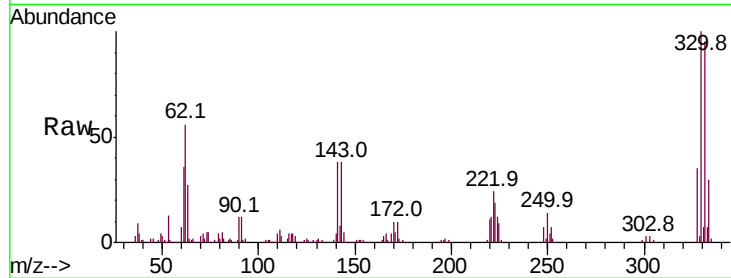
Tot Ion:330 Resp: 147526

Ion Ratio Lower Upper

330 100

332 96.5 75.4 113.2

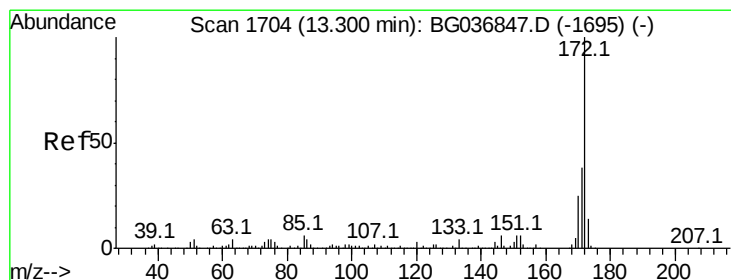
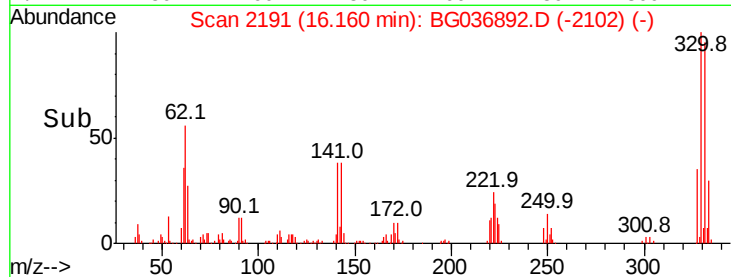
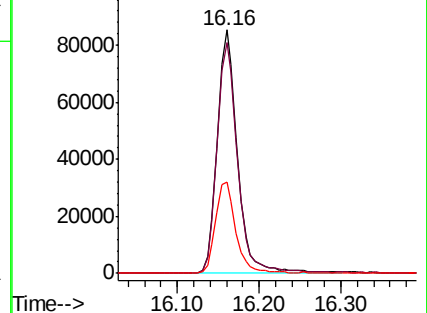
141 37.9 30.7 46.1



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: 96.632 ng

RT: 13.29 min Scan# 1703

Delta R.T. -0.01 min

Lab File: BG036892.D

Acq: 22 Sep 2018 13:35

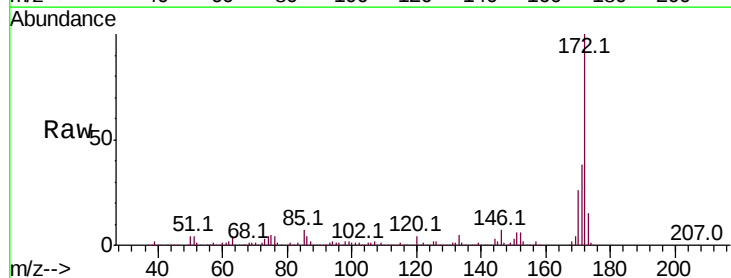
Tgt Ion:172 Resp: 778012

Ion Ratio Lower Upper

172 100

171 37.9 31.3 46.9

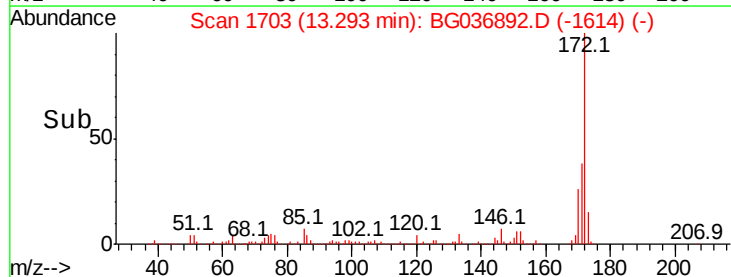
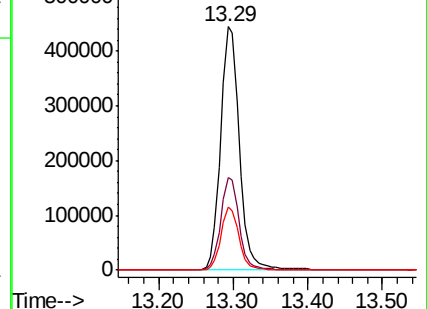
170 26.1 21.0 31.6

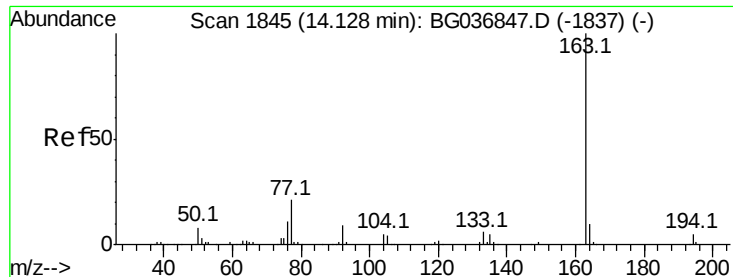


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.729 ng

RT: 14.12 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BG036892.D

Acq: 22 Sep 2018 13:35

Instrument :

BNA_G

ClientSampled :

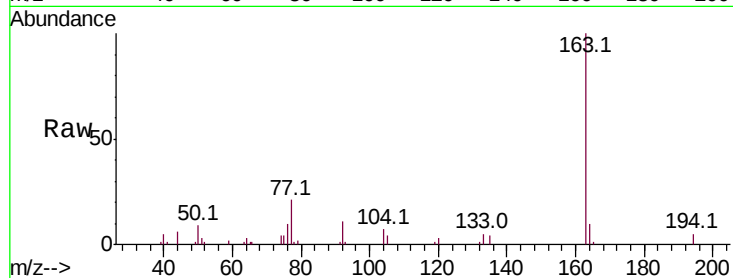
Tot Ion:163 Resp: 35991

Ion Ratio Lower Upper

163 100

194 4.7 4.0 6.0

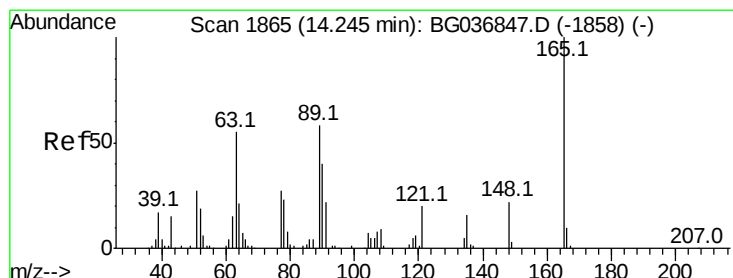
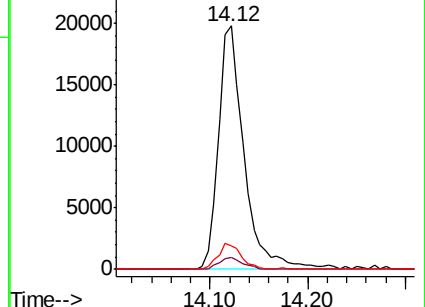
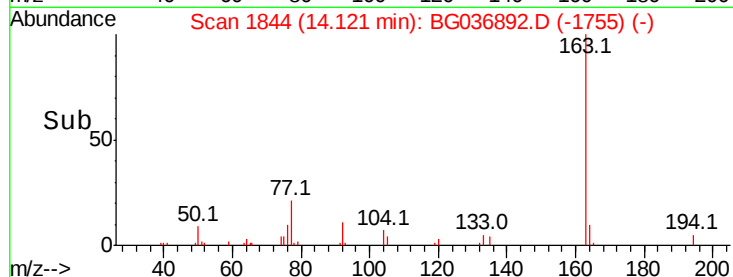
164 9.8 8.1 12.1



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: 7.340 ng

RT: 14.67 min Scan# 1938

Delta R.T. 0.43 min

Lab File: BG036892.D

Acq: 22 Sep 2018 13:35

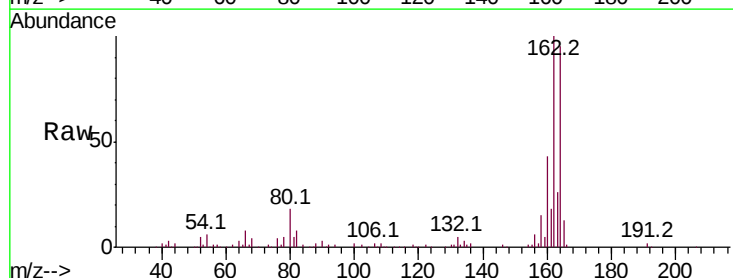
Tgt Ion:165 Resp: 15458

Ion Ratio Lower Upper

165 100

63 0.0 50.1 75.1#

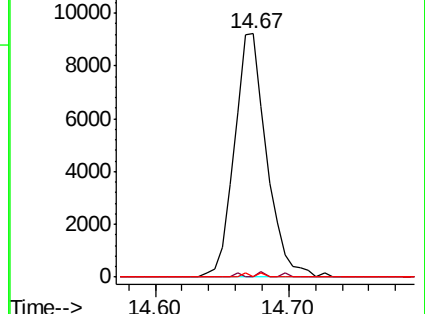
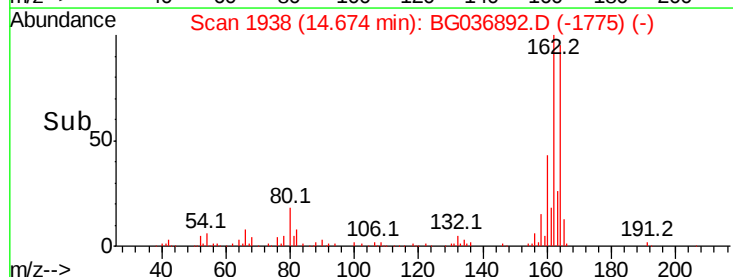
89 0.0 47.8 71.6#

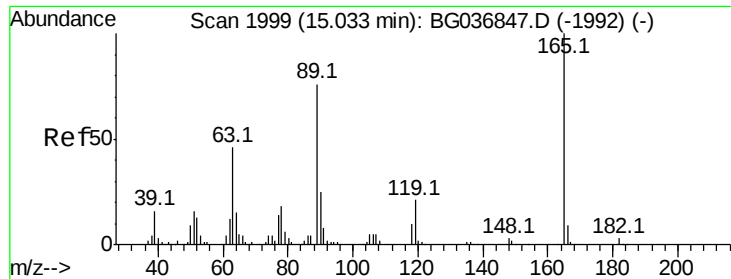


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

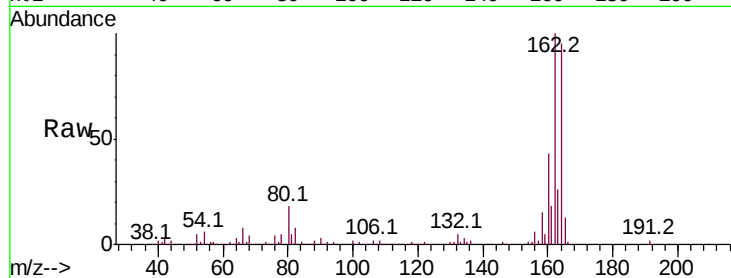




#56
 2,4-Dinitrotoluene
 Concen: 5.260 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.36 min
 Lab File: BG036892.D
 Acq: 22 Sep 2018 13:35

Instrument :
 BNA_G
 ClientSampleId :

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

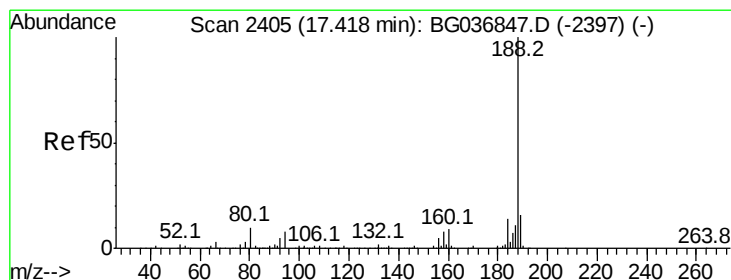
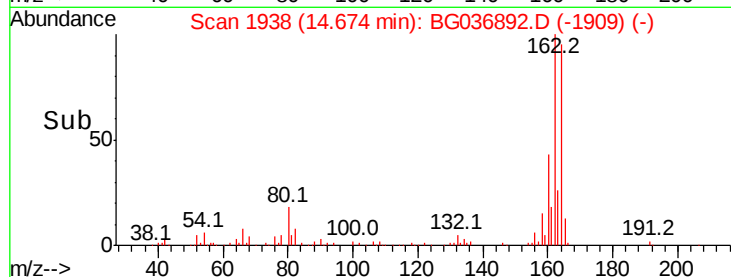
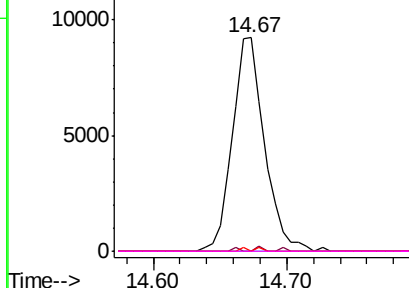


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

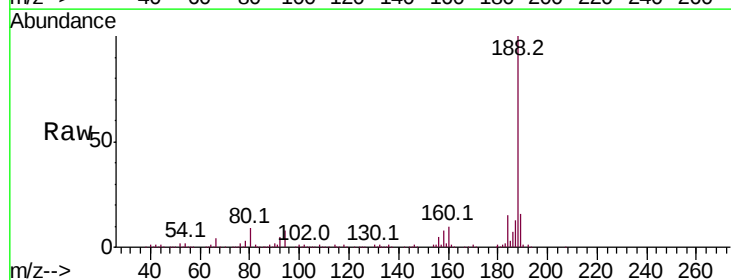
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.00 min
 Lab File: BG036892.D
 Acq: 22 Sep 2018 13:35

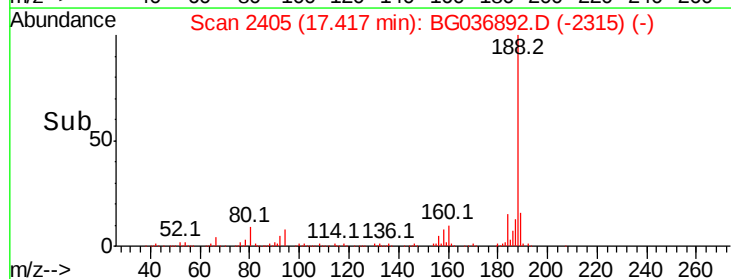
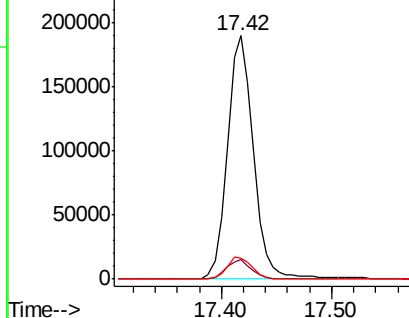
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	8.8	8.1	12.1

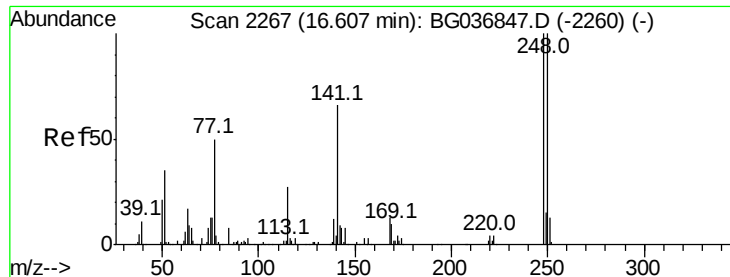


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

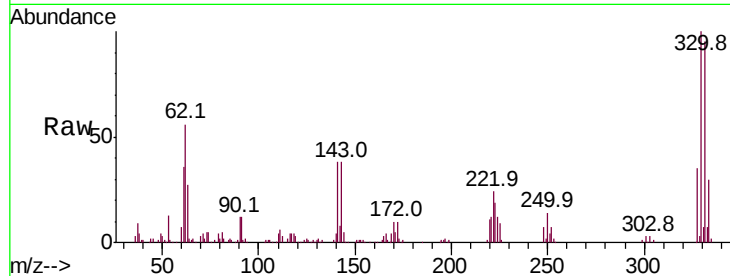




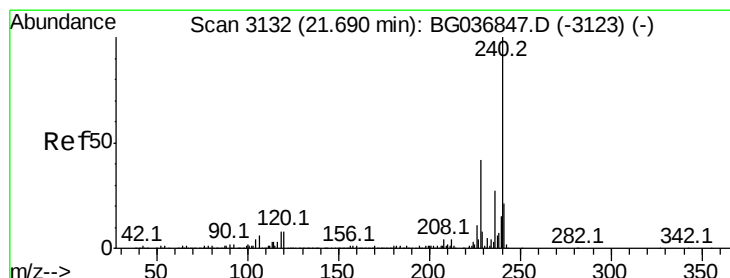
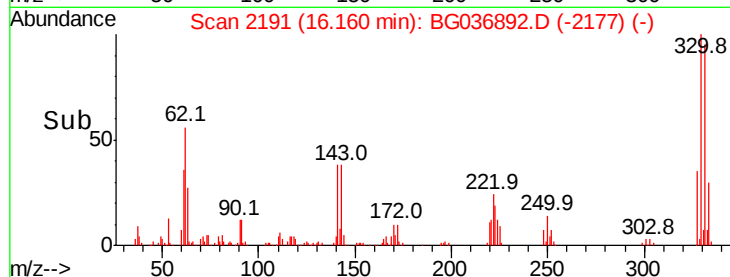
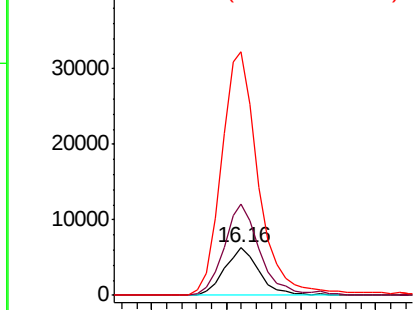
#66
4-Bromophenyl-phenylether
Concen: 2.880 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.45 min
Lab File: BG036892.D
Acq: 22 Sep 2018 13:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 10242
Ion Ratio Lower Upper
248 100
250 190.7 78.1 117.1#
141 511.0 53.7 80.5#

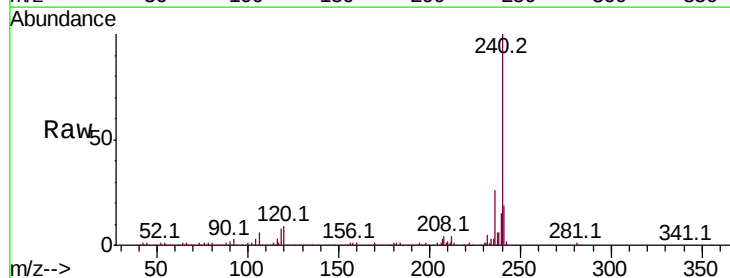


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

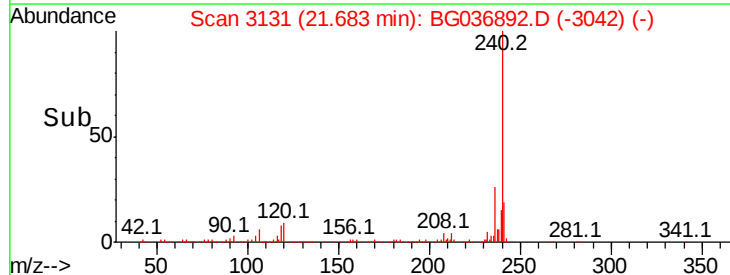
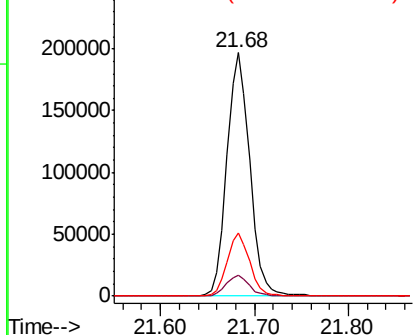


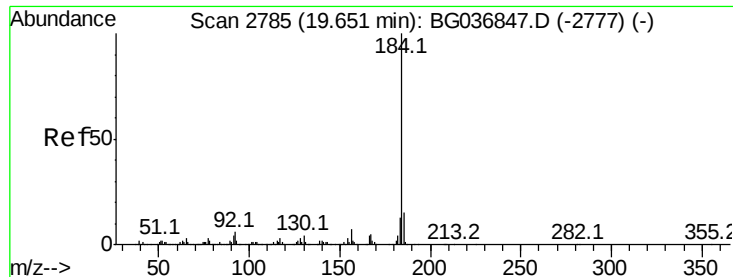
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG036892.D
Acq: 22 Sep 2018 13:35

Tgt Ion:240 Resp: 332658
Ion Ratio Lower Upper
240 100
120 8.6 6.9 10.3
236 25.9 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: 2.439 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG036892.D

Acq: 22 Sep 2018 13:35

Instrument :

BNA_G

ClientSampled :

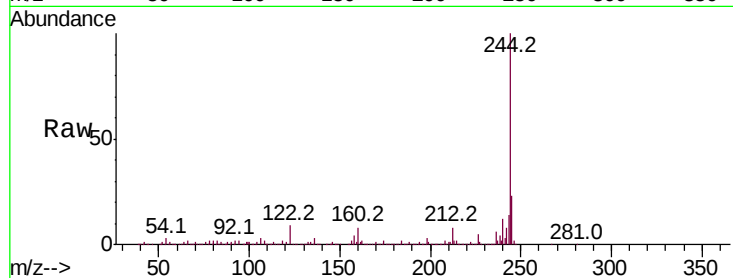
Tot Ion:184 Resp: 24525

Ion Ratio Lower Upper

184 100

185 18.4 12.6 18.8

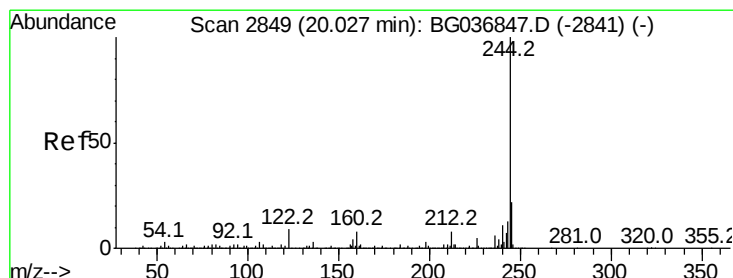
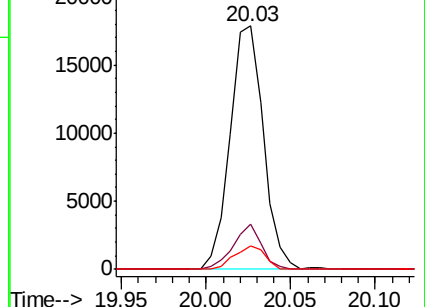
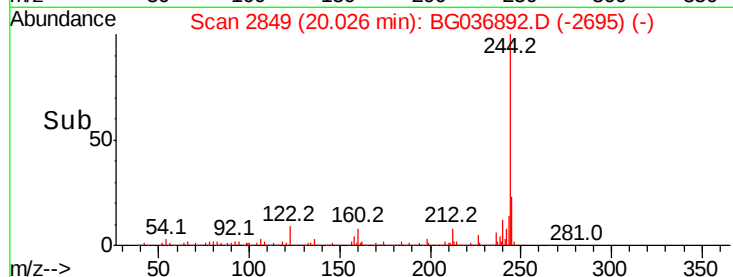
183 9.9 10.9 16.3#



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: 110.158 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036892.D

Acq: 22 Sep 2018 13:35

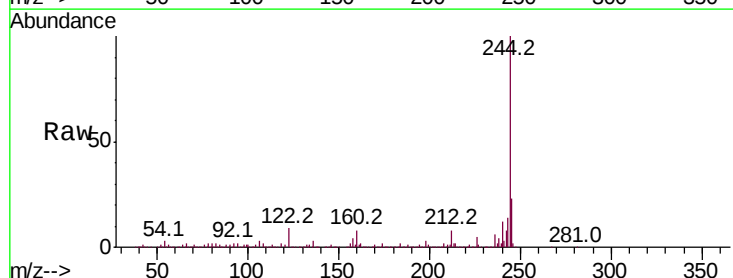
Tgt Ion:244 Resp: 1393614

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.6

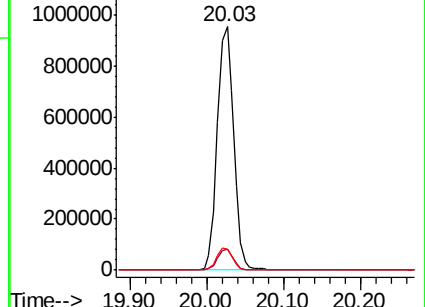
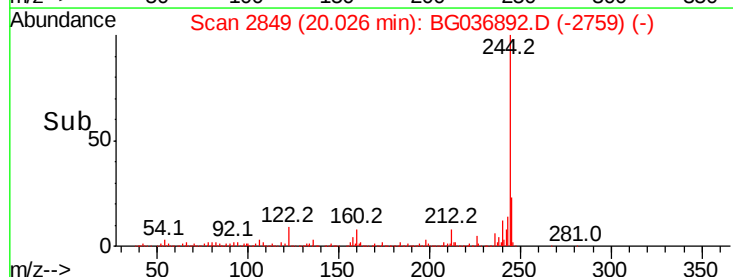
122 8.7 7.1 10.7

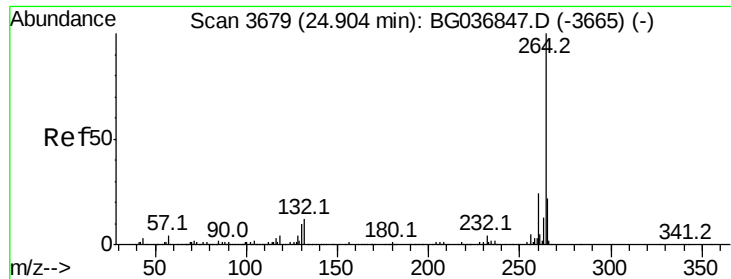


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

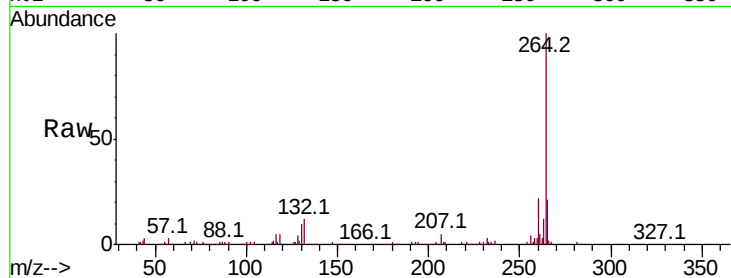




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.89 min Scan# 3677
 Delta R.T. -0.01 min
 Lab File: BG036892.D
 Acq: 22 Sep 2018 13:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.6	29.4
265	20.8	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

