

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092118\
 Data File : BG036895.D
 Acq On : 22 Sep 2018 15:32
 Operator : JU/SJ
 Sample : J5019-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 03:55:25 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

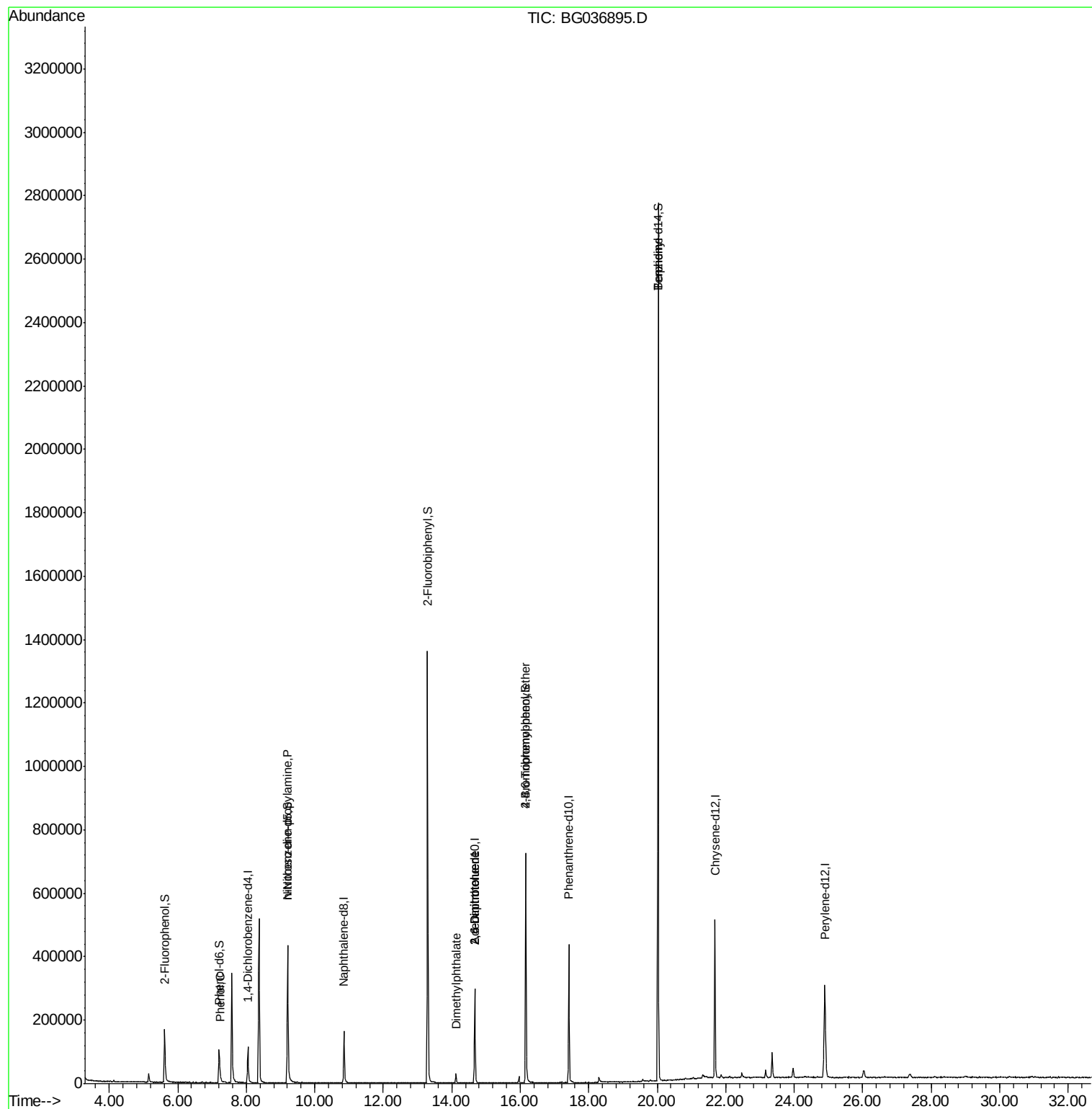
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	38040	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	163227	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	111043	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	297173	20.00	ng	0.00
75) Chrysene-d12	21.68	240	320355	20.00	ng	0.00
86) Perylene-d12	24.89	264	316662	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	88705	44.72	ng	0.00
7) Phenol-d6	7.21	99	79038	25.75	ng	0.00
23) Nitrobenzene-d5	9.21	82	312733	102.60	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	146420	110.21	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	772317	103.59	ng	0.00
78) Terphenyl-d14	20.03	244	1362781	111.86	ng	0.00
Target Compounds						
10) Phenol	7.23	94	6727	2.124	ng	# 79
19) n-Nitroso-di-n-propylamine	9.21	70	41653	16.316	ng	# 70
49) Dimethylphthalate	14.12	163	25937	2.902	ng	# 96
50) 2,6-Dinitrotoluene	14.67	165	14741	7.559	ng	# 23
56) 2,4-Dinitrotoluene	14.67	165	14741	5.417	ng	# 21
66) 4-Bromophenyl-phenylether	16.16	248	10249	3.032	ng	# 1
76) Benzidine	20.03	184	24369	2.516	ng	# 93

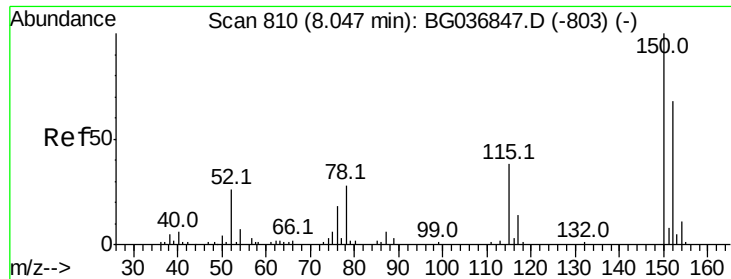
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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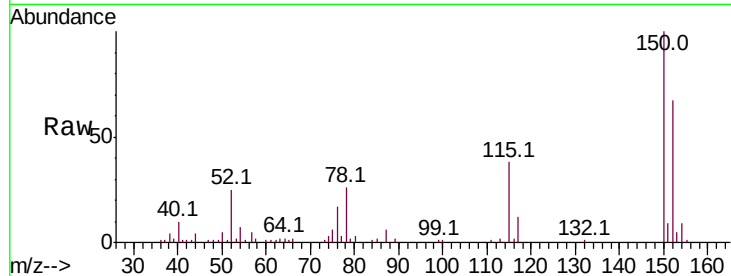


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. -0.00 min
Lab File: BG036895.D
Acq: 22 Sep 2018 15:32

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.5	119.5	179.3
115	55.7	44.5	66.7

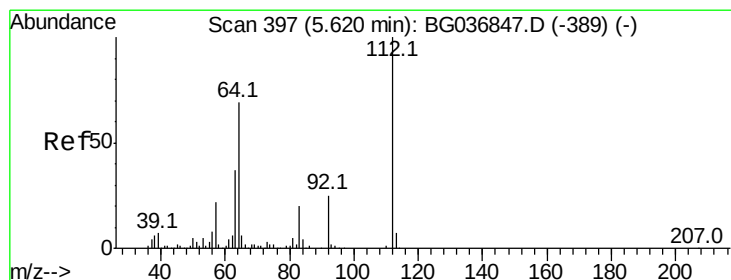
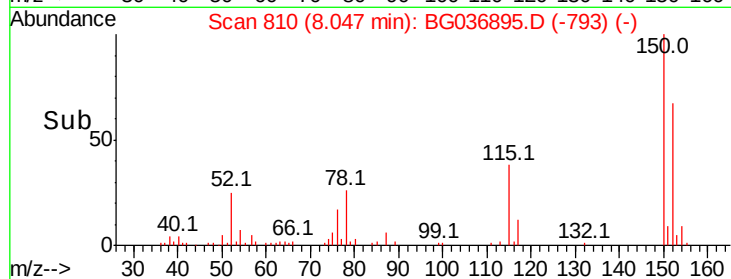
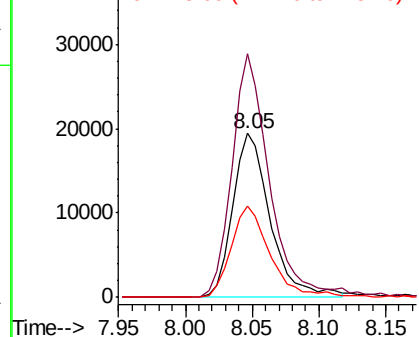


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

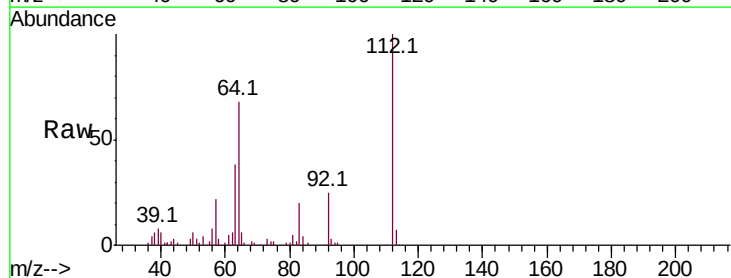
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.721 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG036895.D
Acq: 22 Sep 2018 15:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	57.2	85.8
63	37.7	30.8	46.2

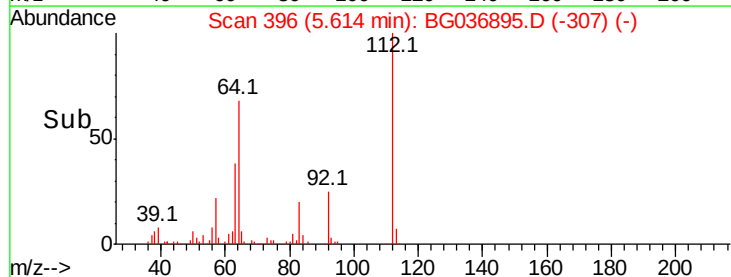
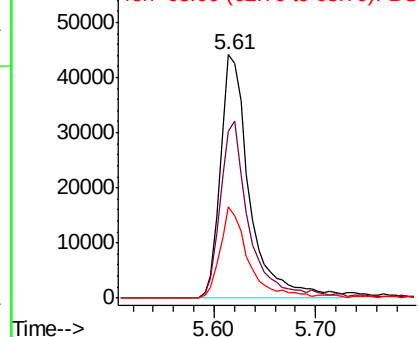


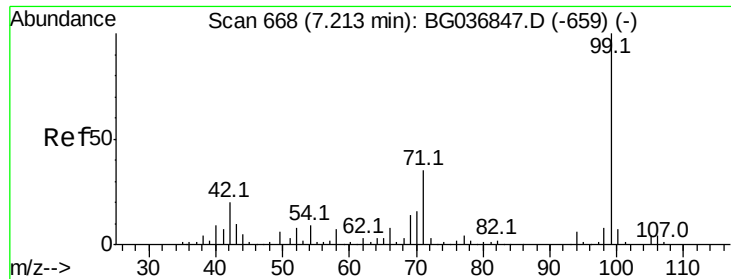
Abundance

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: 25.755 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036895.D

Acq: 22 Sep 2018 15:32

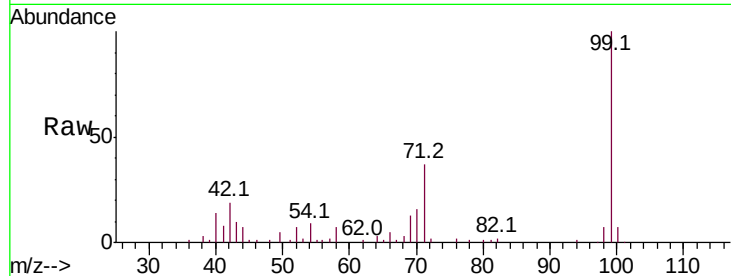
Instrument :

BNA_G

ClientSampled :

Tot Ion: 99 Resp: 79038

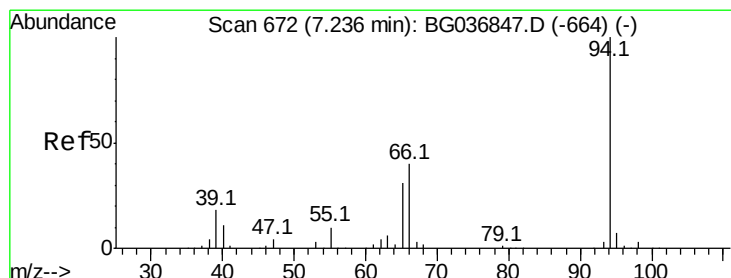
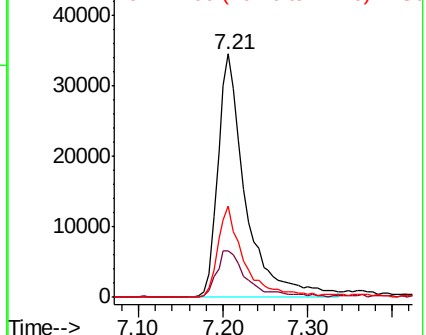
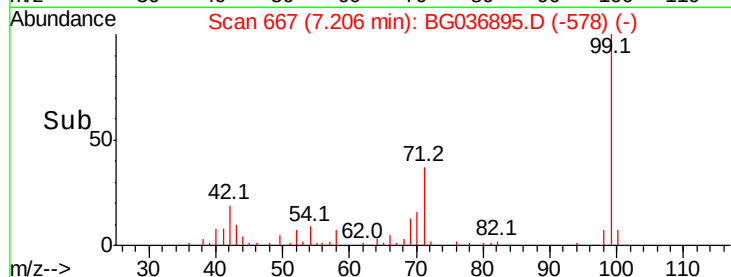
Ion	Ratio	Lower	Upper
99	100		
42	19.3	16.5	24.7
71	37.2	29.4	44.2



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: 2.124 ng

RT: 7.23 min Scan# 671

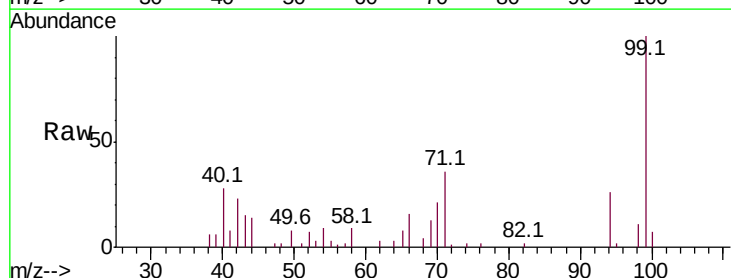
Delta R.T. -0.01 min

Lab File: BG036895.D

Acq: 22 Sep 2018 15:32

Tgt Ion: 94 Resp: 6727

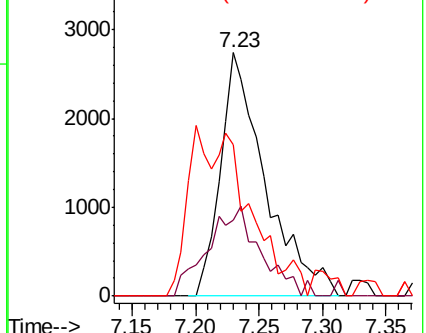
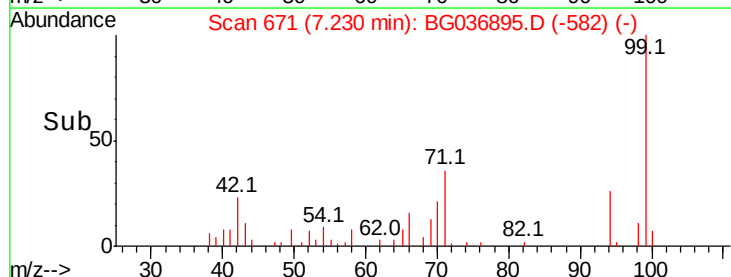
Ion	Ratio	Lower	Upper
94	100		
65	31.0	11.5	51.5
66	62.4	19.5	59.5

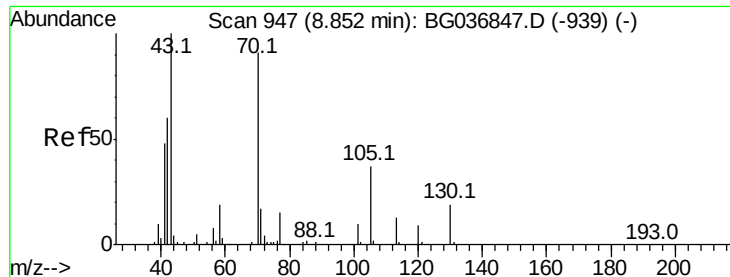


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

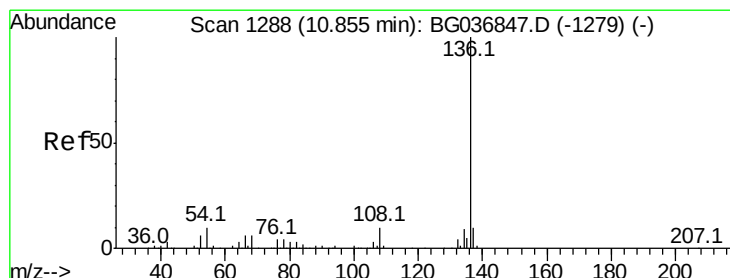
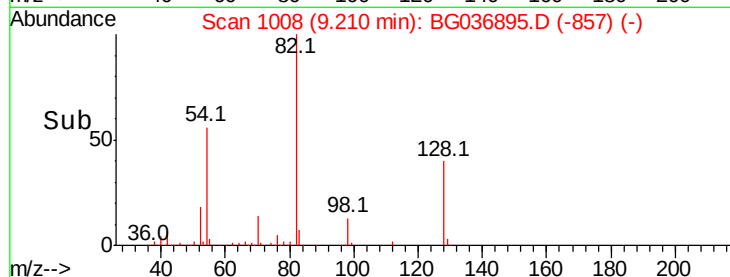
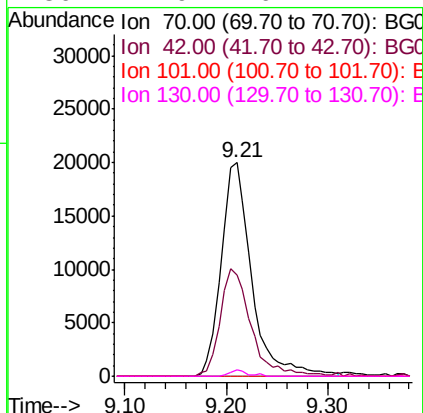
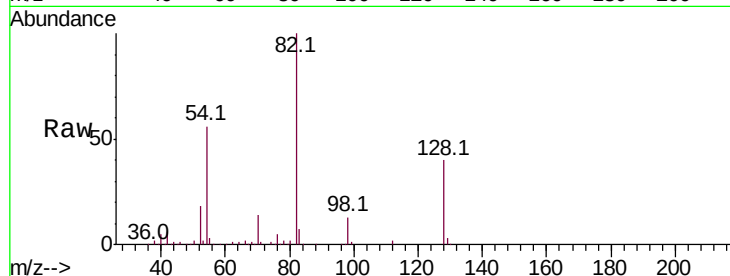




#19
n-Nitroso-di-n-propylamine
Concen: 16.316 ng
RT: 9.21 min Scan# 1008
Delta R.T. 0.36 min
Lab File: BG036895.D
Acq: 22 Sep 2018 15:32

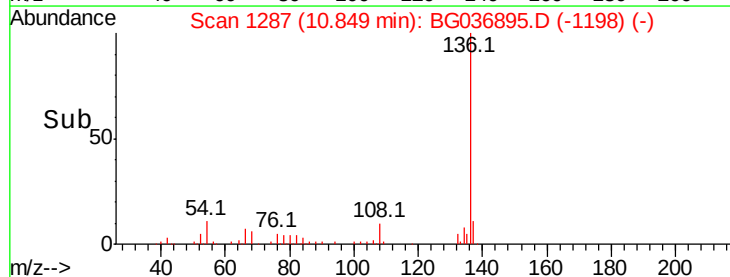
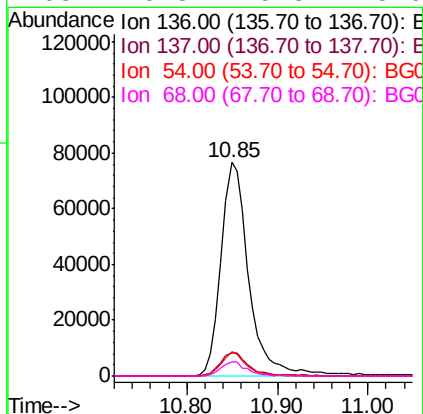
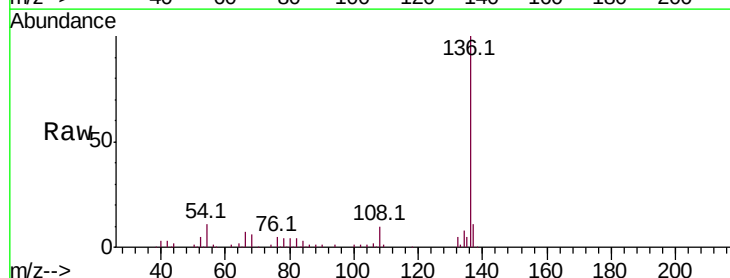
Instrument :
BNA_G
ClientSampleId :

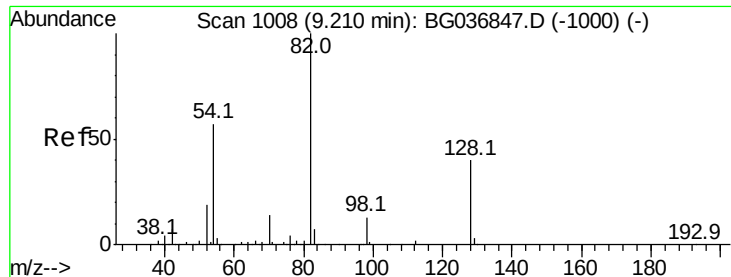
Tot Ion: 70 Resp: 41653
Ion Ratio Lower Upper
70 100
42 47.3 56.2 84.4#
101 0.0 7.8 11.6#
130 2.9 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036895.D
Acq: 22 Sep 2018 15:32

Tgt Ion:136 Resp: 163227
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 11.3 9.2 13.8
68 6.3 5.8 8.6

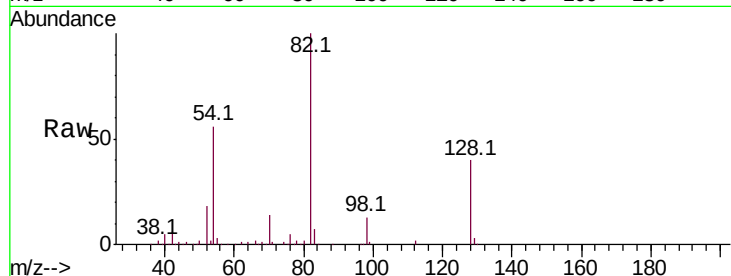




#23
Nitrobenzene-d5
Concen: 102.601 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BG036895.D
Acq: 22 Sep 2018 15:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.9	33.3	49.9
54	56.3	45.1	67.7

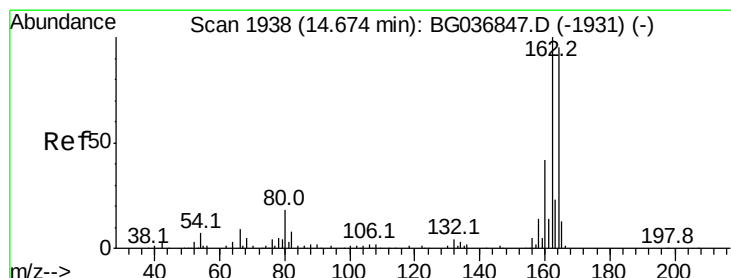
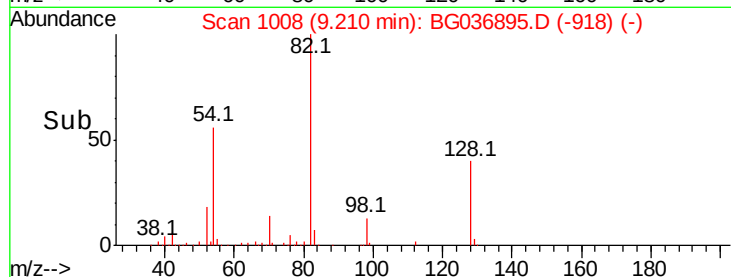
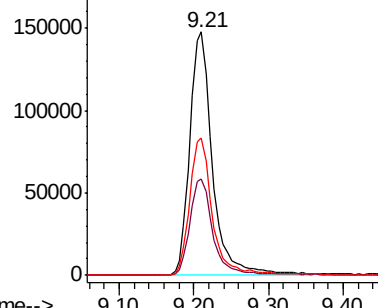


Abundance

Ion 82.00 (81.70 to 82.70): BGC

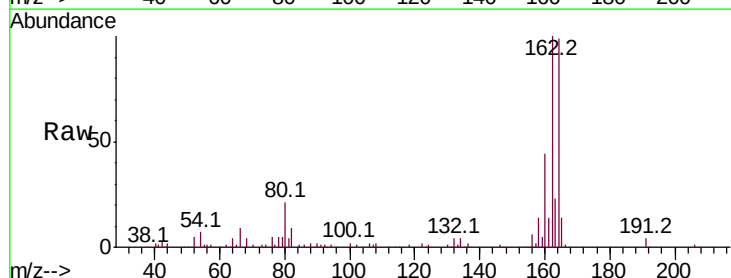
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BG036895.D
Acq: 22 Sep 2018 15:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.7	121.1
160	44.4	35.3	52.9

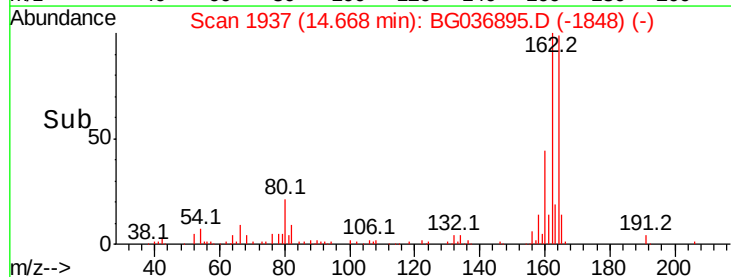
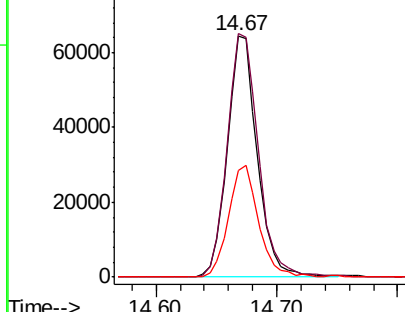


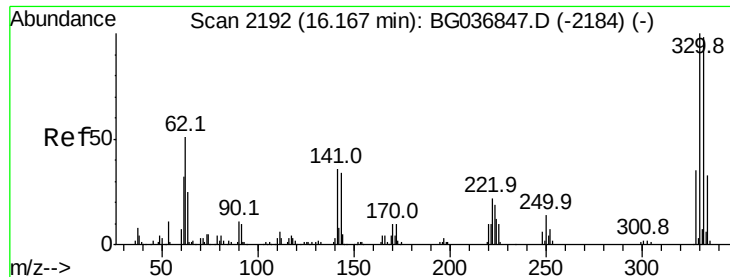
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

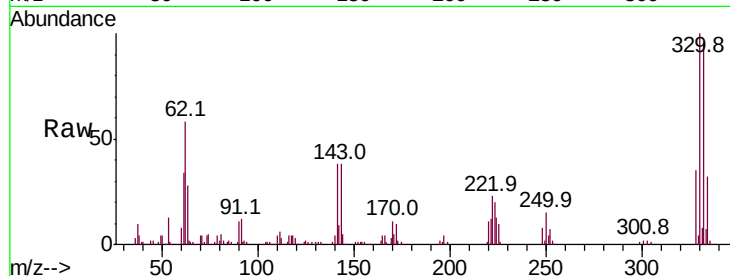




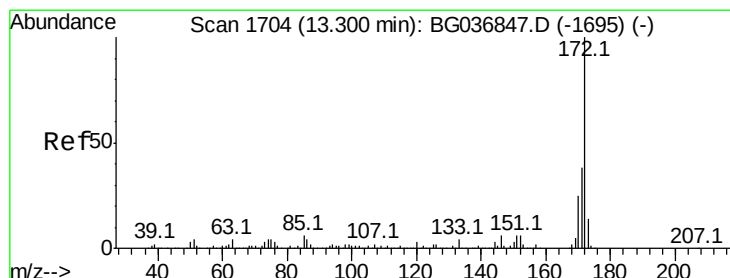
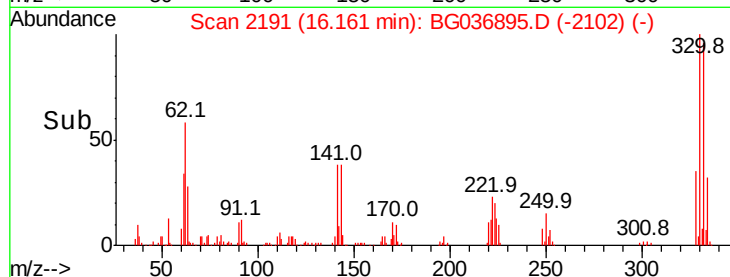
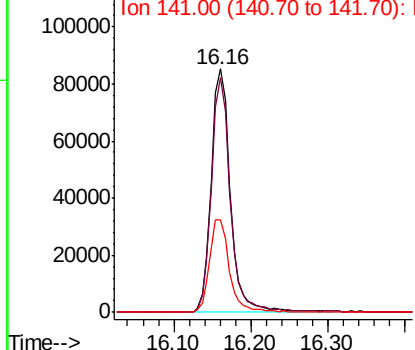
#41
 2,4,6-Tribromophenol
 Concen: 110.209 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BG036895.D
 Acq: 22 Sep 2018 15:32

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	75.4	113.2
141	39.4	30.7	46.1

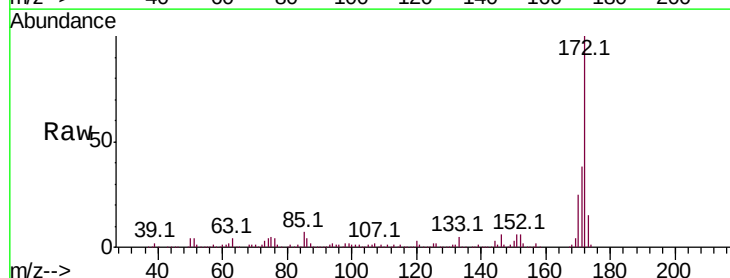


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

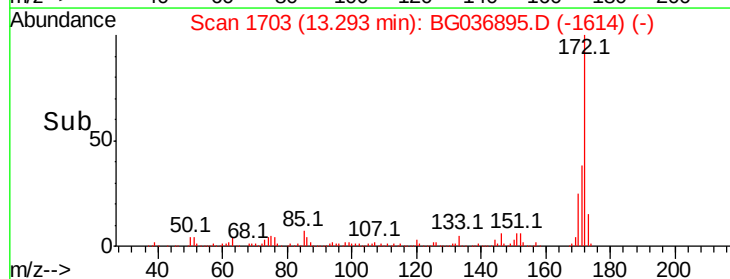
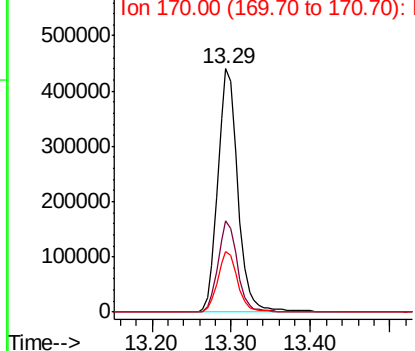


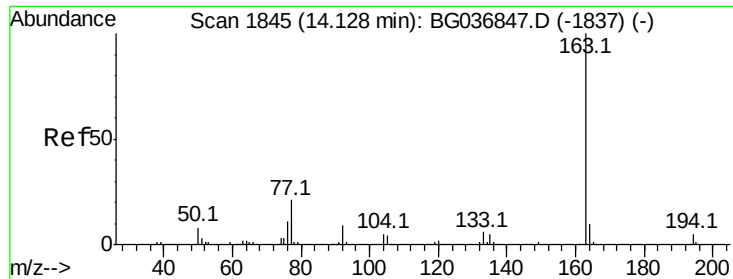
#44
 2-Fluorobiphenyl
 Concen: 103.589 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036895.D
 Acq: 22 Sep 2018 15:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	31.3	46.9
170	24.8	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: 2.902 ng

RT: 14.12 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BG036895.D

Acq: 22 Sep 2018 15:32

Instrument :

BNA_G

ClientSampled :

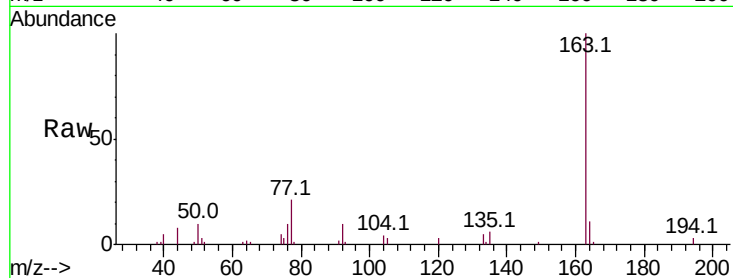
Tot Ion:163 Resp: 25937

Ion Ratio Lower Upper

163 100

194 2.9 4.0 6.0#

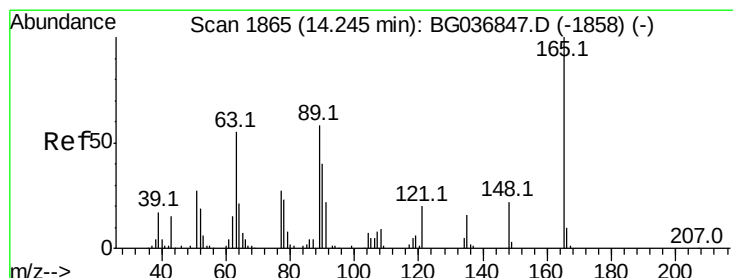
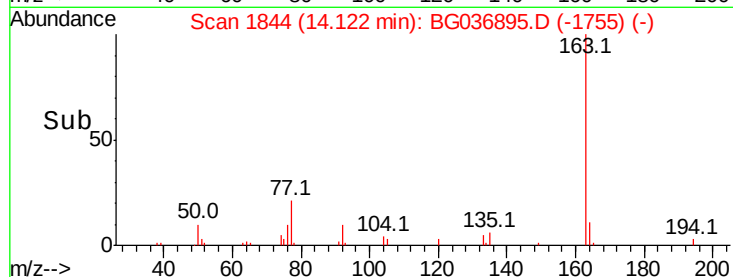
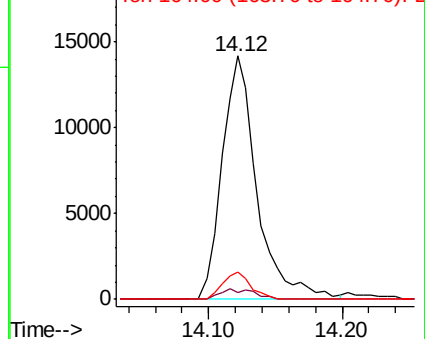
164 11.0 8.1 12.1



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: 7.559 ng

RT: 14.67 min Scan# 1937

Delta R.T. 0.42 min

Lab File: BG036895.D

Acq: 22 Sep 2018 15:32

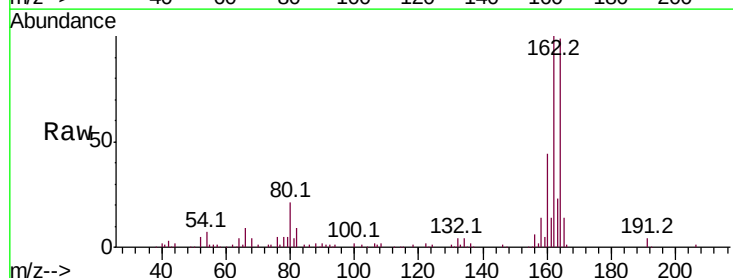
Tgt Ion:165 Resp: 14741

Ion Ratio Lower Upper

165 100

63 1.7 50.1 75.1#

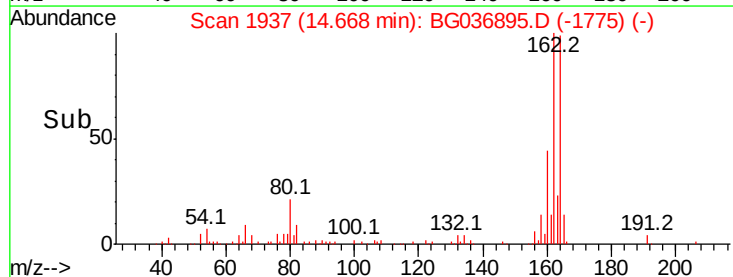
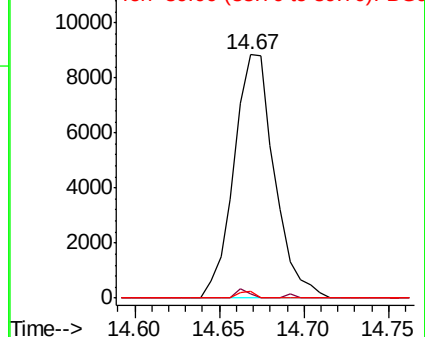
89 2.8 47.8 71.6#

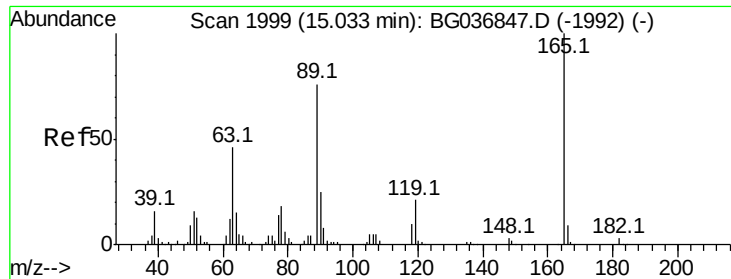


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

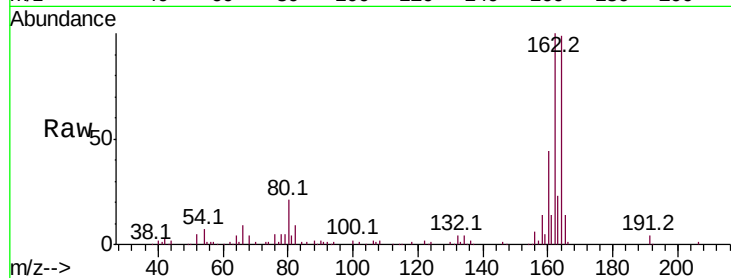




#56
 2,4-Dinitrotoluene
 Concen: 5.417 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG036895.D
 Acq: 22 Sep 2018 15:32

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	40.1	60.1#
89	2.8	63.7	95.5#
182	0.0	2.5	3.7#

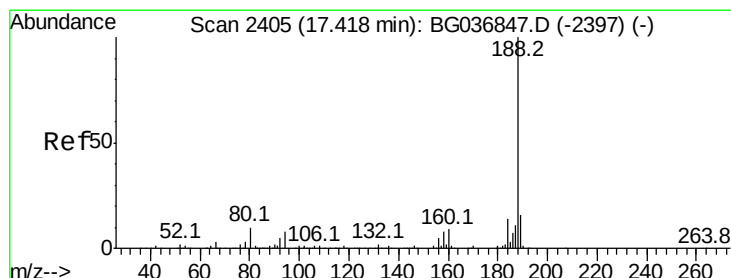
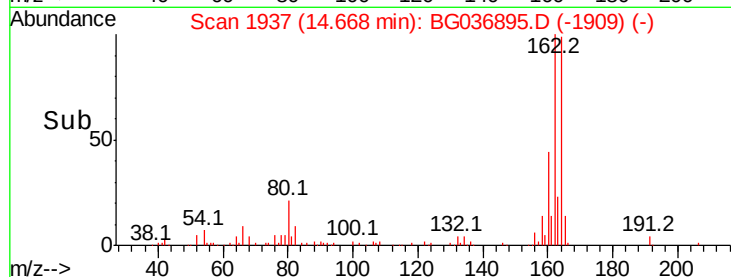
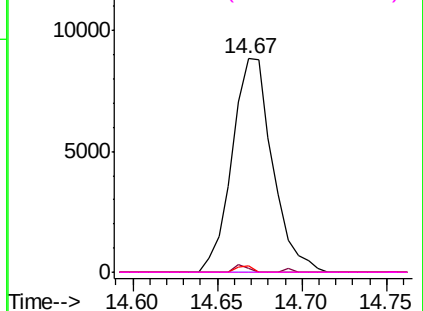


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

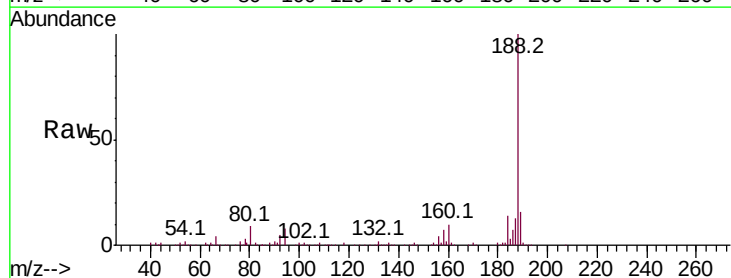
Ion 89.00 (88.70 to 89.70): BGC

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: BG036895.D
 Acq: 22 Sep 2018 15:32

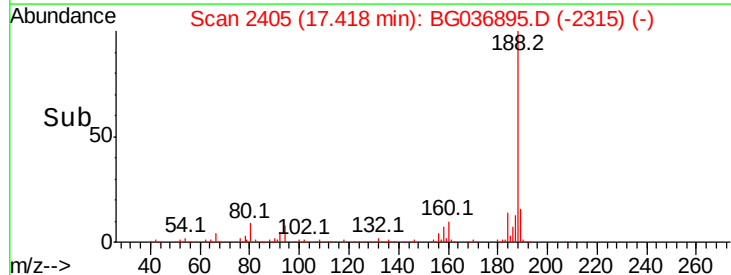
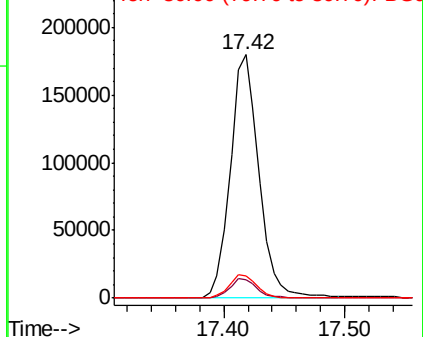
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.7	10.1
80	9.3	8.1	12.1

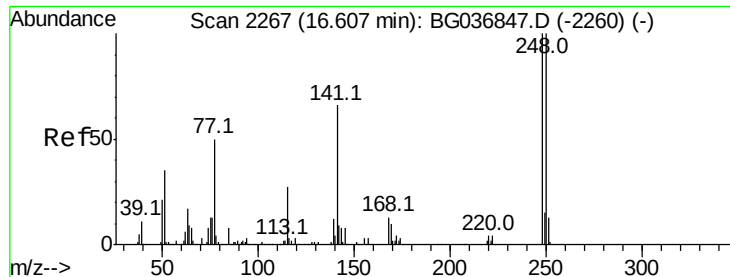


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

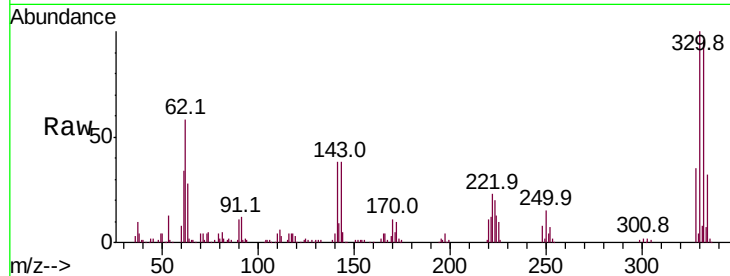




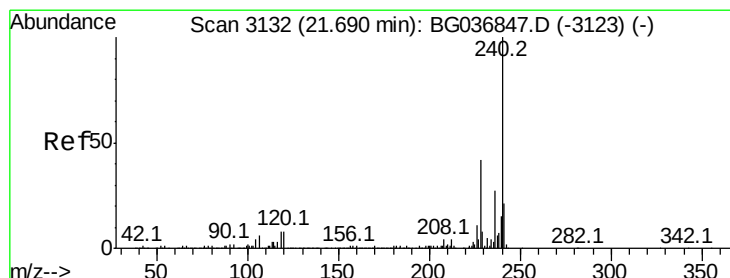
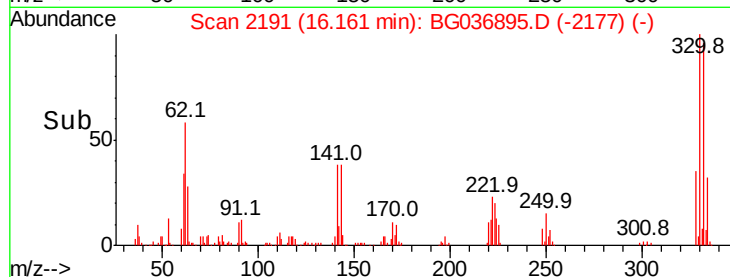
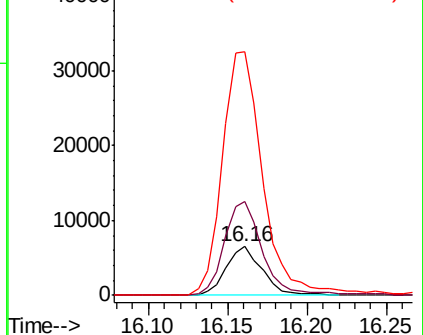
#66
4-Bromophenyl-phenylether
Concen: 3.032 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.45 min
Lab File: BG036895.D
Acq: 22 Sep 2018 15:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 10249
Ion Ratio Lower Upper
248 100
250 192.6 78.1 117.1#
141 501.0 53.7 80.5#

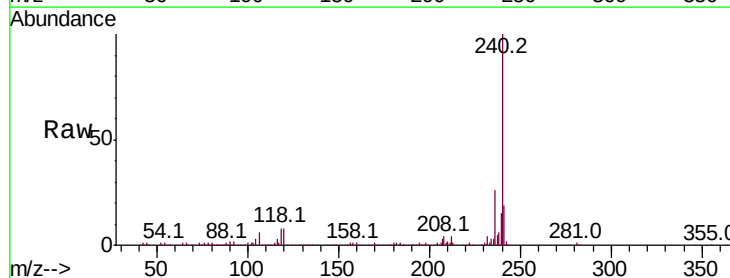


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

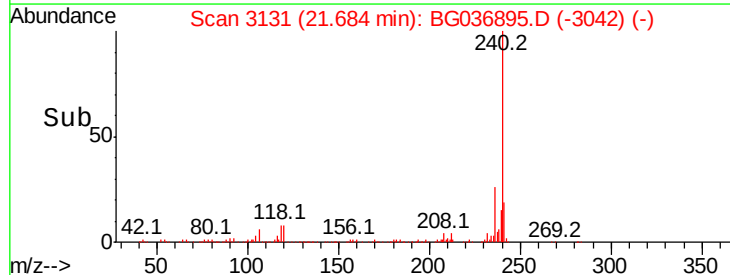
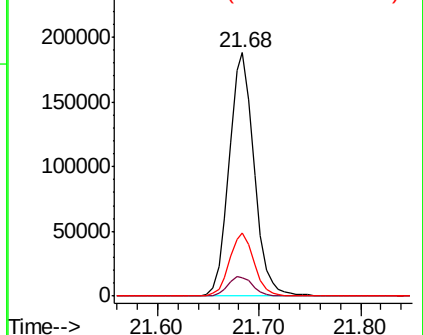


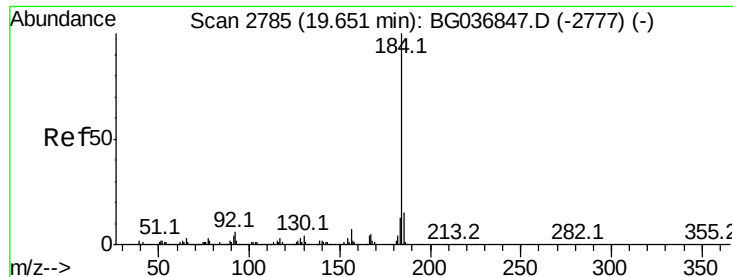
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG036895.D
Acq: 22 Sep 2018 15:32

Tgt Ion:240 Resp: 320355
Ion Ratio Lower Upper
240 100
120 7.6 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: 2.516 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG036895.D

Acq: 22 Sep 2018 15:32

Instrument :

BNA_G

ClientSampleId :

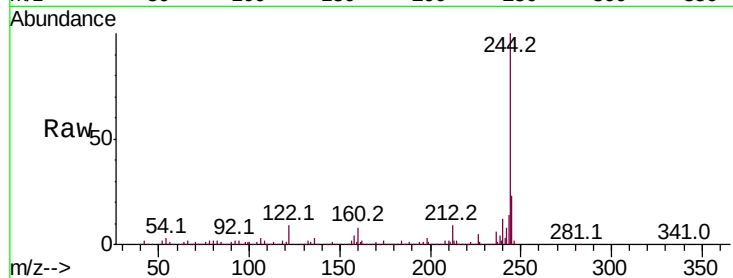
Tot Ion:184 Resp: 24369

Ion	Ratio	Lower	Upper
184	100		
185	16.2	12.6	18.8
183	8.5	10.9	16.3

184 100

185 16.2 12.6 18.8

183 8.5 10.9 16.3

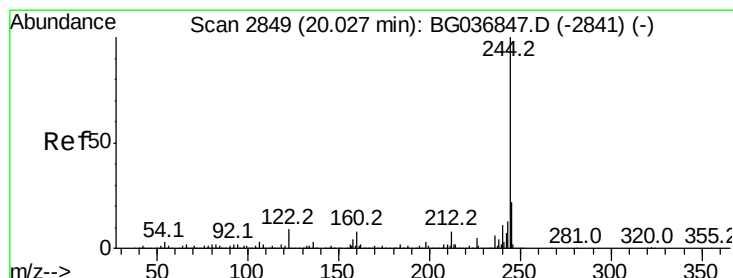
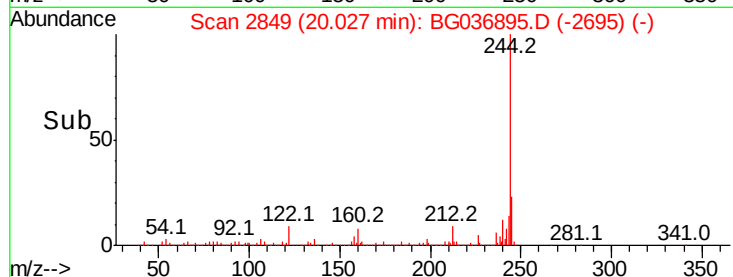
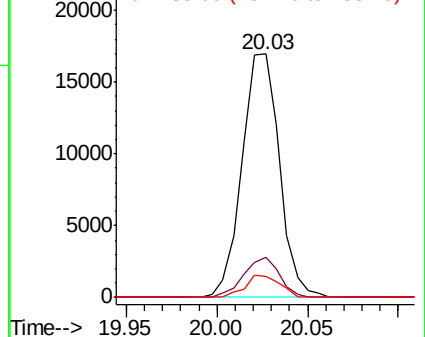


Abundance

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: 111.858 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036895.D

Acq: 22 Sep 2018 15:32

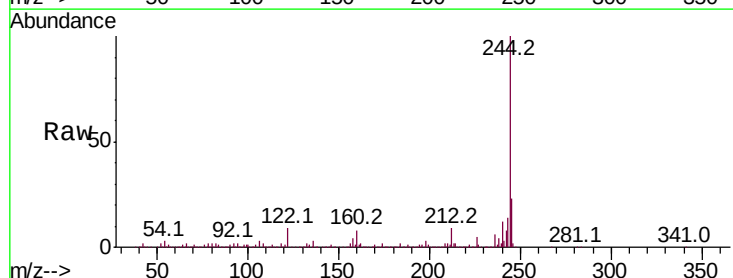
Tgt Ion:244 Resp: 1362781

Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.0	10.6
122	8.7	7.1	10.7

244 100

212 8.8 7.0 10.6

122 8.7 7.1 10.7

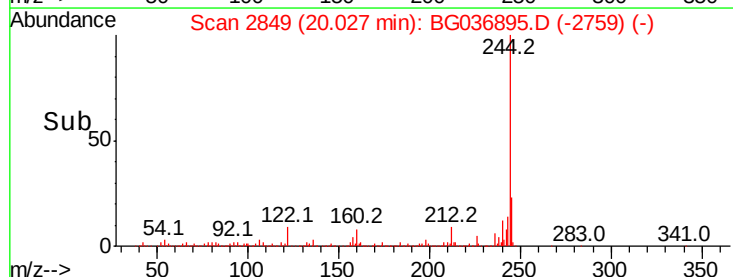
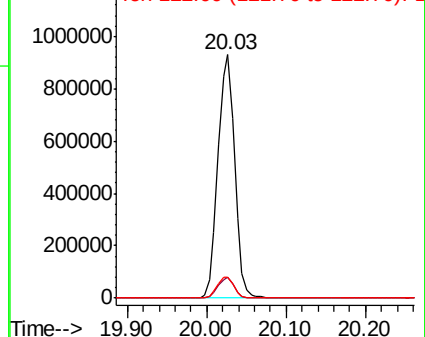


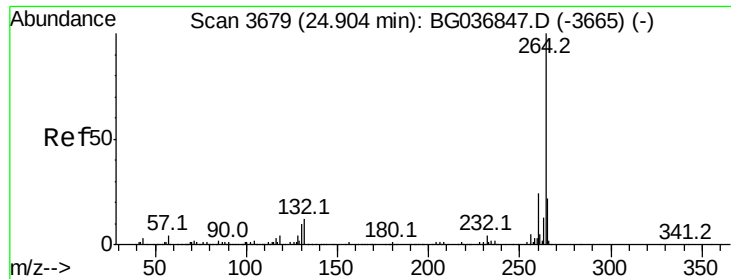
Abundance

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

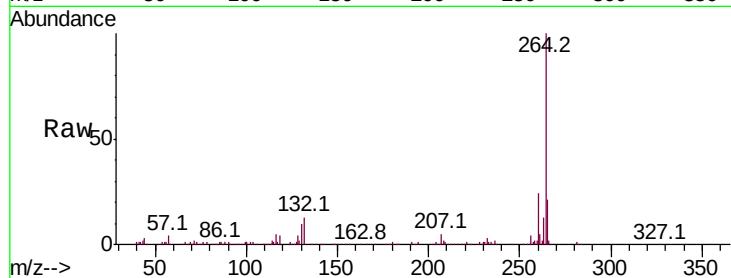




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3677
Delta R.T. -0.01 min
Lab File: BG036895.D
Acq: 22 Sep 2018 15:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	316662
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	21.0	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

