

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092118\
 Data File : BG036896.D
 Acq On : 22 Sep 2018 16:11
 Operator : JU/SJ
 Sample : J5019-06
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 03:55:45 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

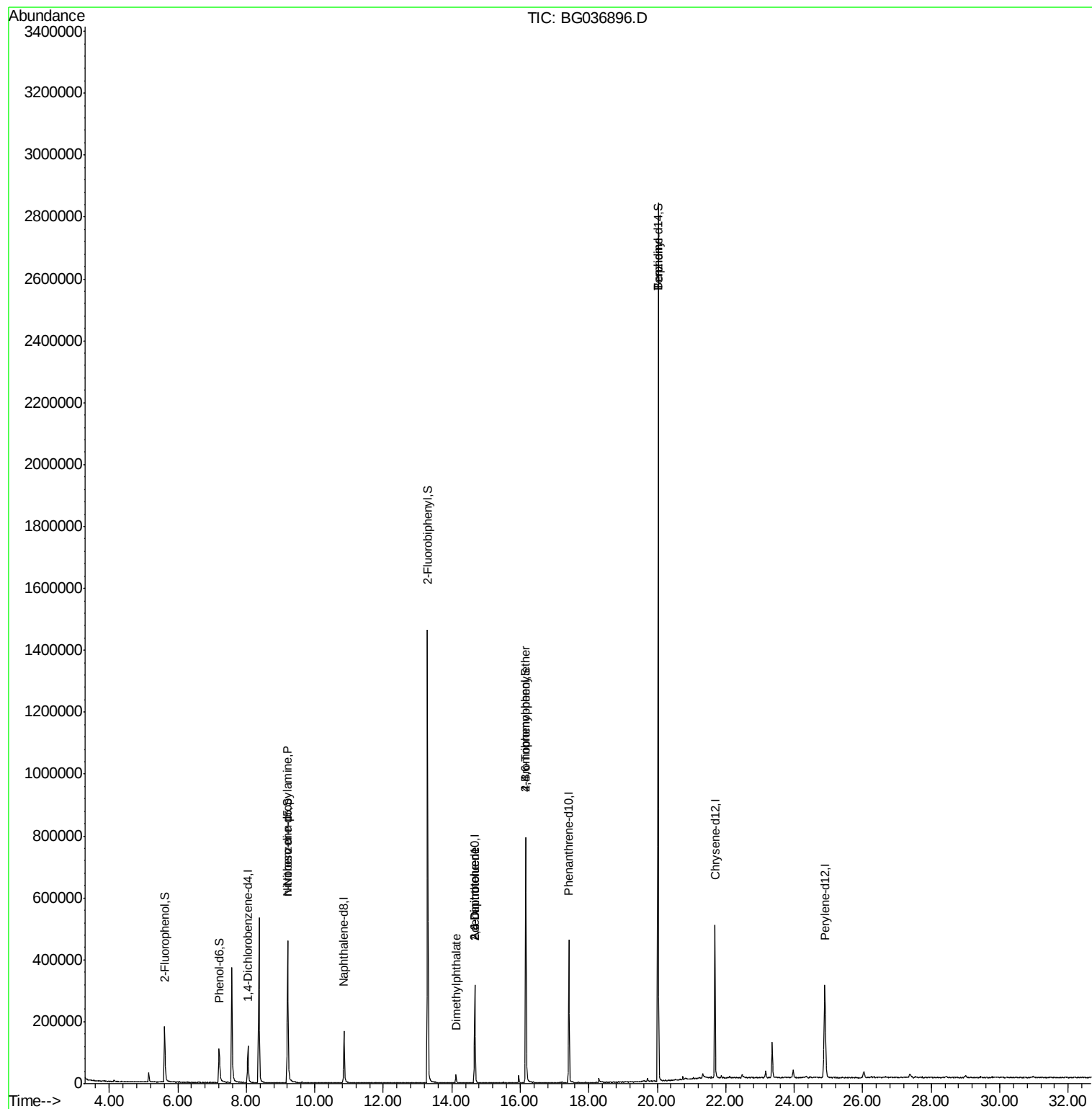
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	38359	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	169253	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	117822	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	308736	20.00	ng	0.00
75) Chrysene-d12	21.68	240	328954	20.00	ng	0.00
86) Perylene-d12	24.89	264	323940	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	95155	47.57	ng	0.00
7) Phenol-d6	7.21	99	86626	27.99	ng	0.00
23) Nitrobenzene-d5	9.21	82	325797	103.08	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	156851	111.27	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	821839	103.89	ng	0.00
78) Terphenyl-d14	20.03	244	1432105	114.48	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	42730	16.598	ng	# 73
49) Dimethylphthalate	14.12	163	22093	2.330	ng	# 95
50) 2,6-Dinitrotoluene	14.67	165	15035	7.266	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	15035	5.207	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	11529	3.283	ng	# 1
76) Benzidine	20.03	184	25735	2.588	ng	# 94

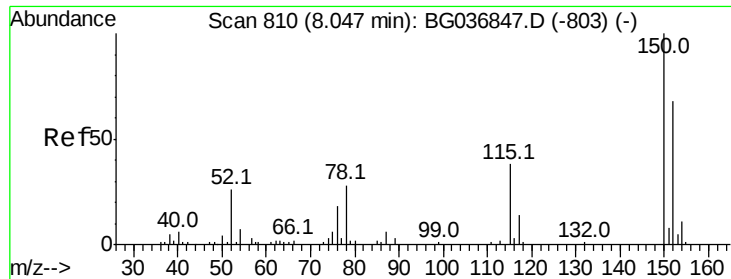
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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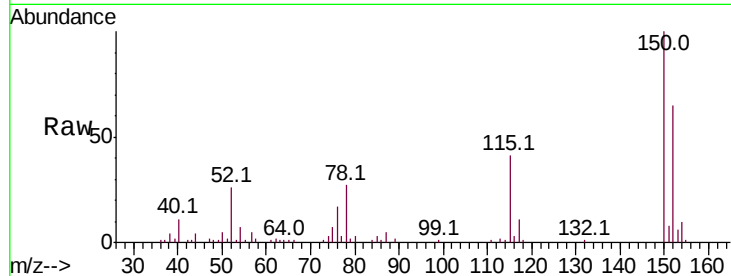


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BG036896.D
 Acq: 22 Sep 2018 16:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	119.5	179.3
115	62.4	44.5	66.7

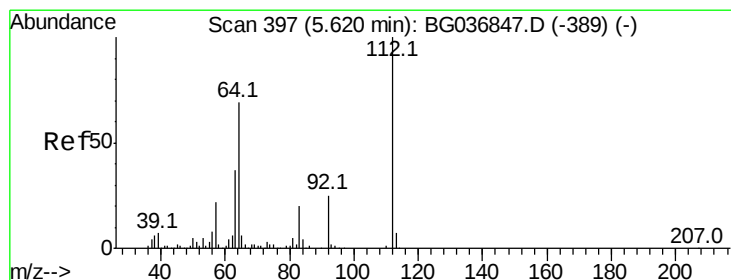
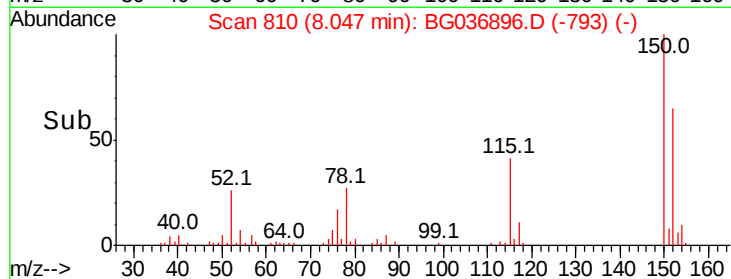
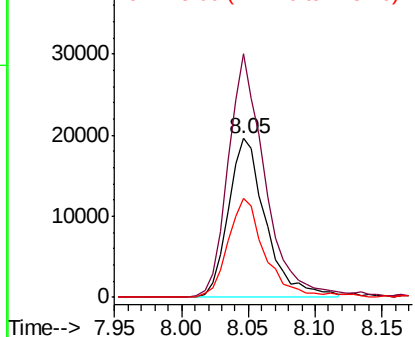


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

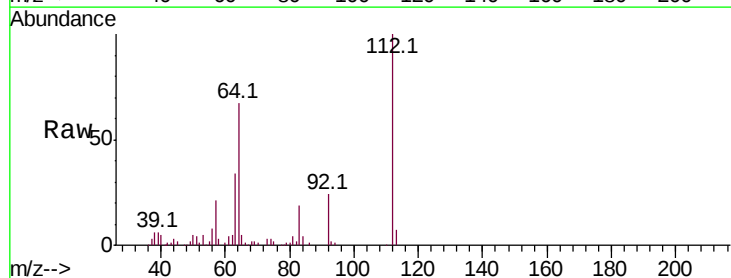
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 47.573 ng
 RT: 5.61 min Scan# 396
 Delta R.T. -0.01 min
 Lab File: BG036896.D
 Acq: 22 Sep 2018 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	57.2	85.8
63	34.0	30.8	46.2

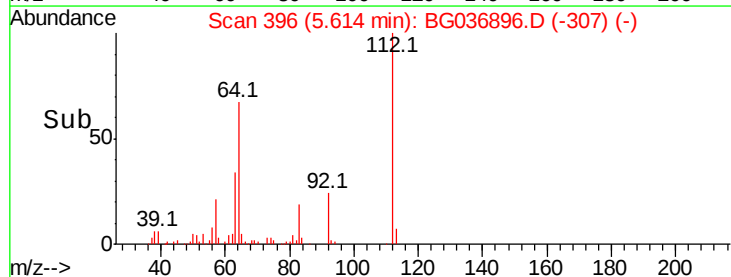
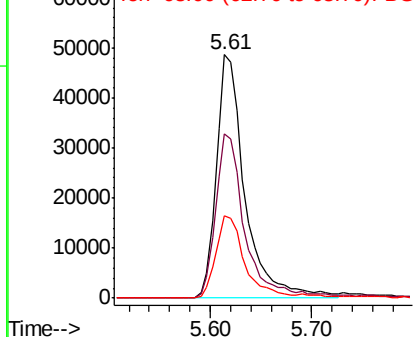


Abundance

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: 27.993 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036896.D

Acq: 22 Sep 2018 16:11

Instrument :

BNA_G

ClientSampled :

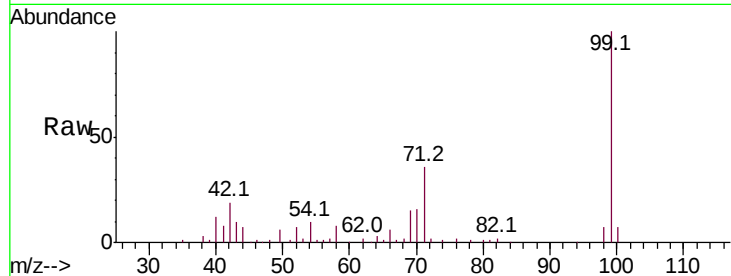
Tot Ion: 99 Resp: 86626

Ion Ratio Lower Upper

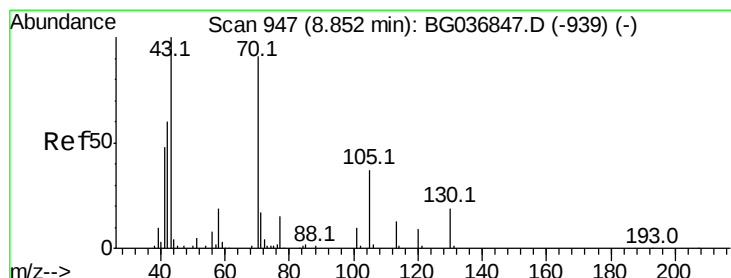
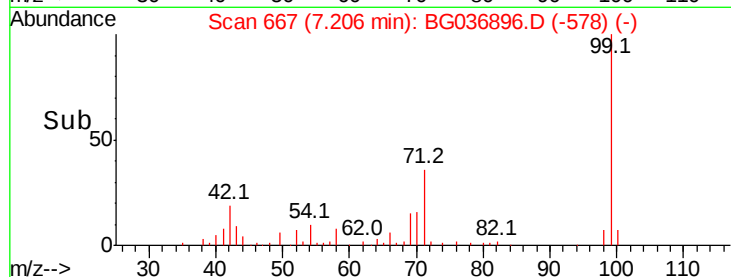
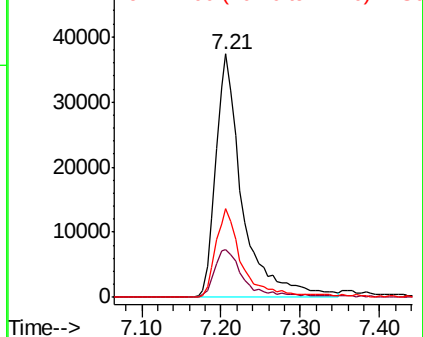
99 100

42 19.4 16.5 24.7

71 36.3 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: 16.598 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BG036896.D

Acq: 22 Sep 2018 16:11

Tgt Ion: 70 Resp: 42730

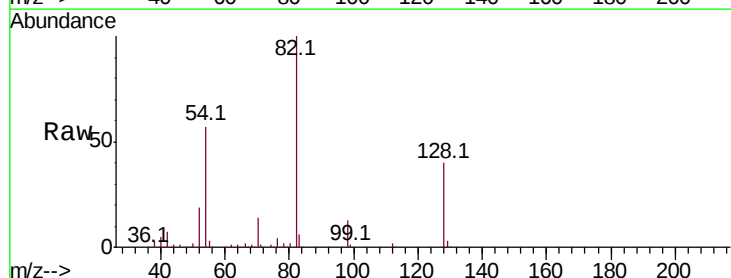
Ion Ratio Lower Upper

70 100

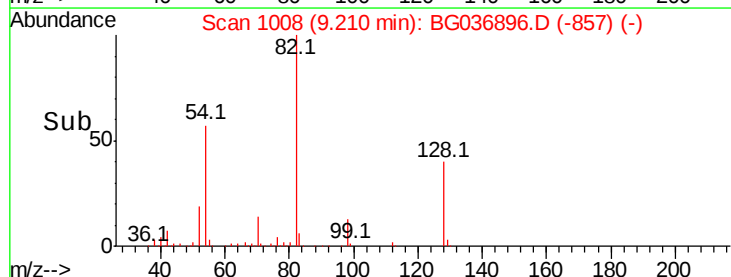
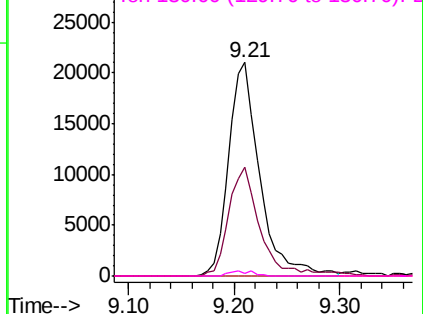
42 51.1 56.2 84.4#

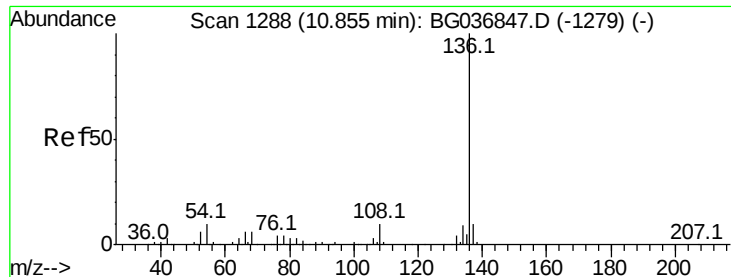
101 0.0 7.8 11.6#

130 1.4 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

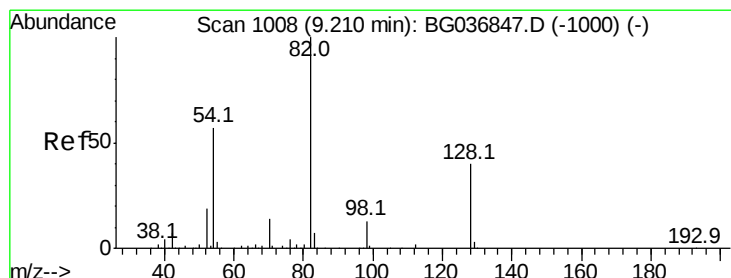
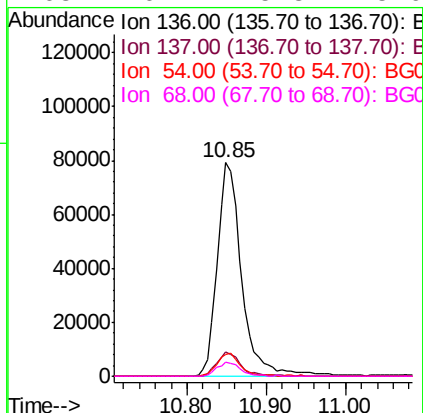
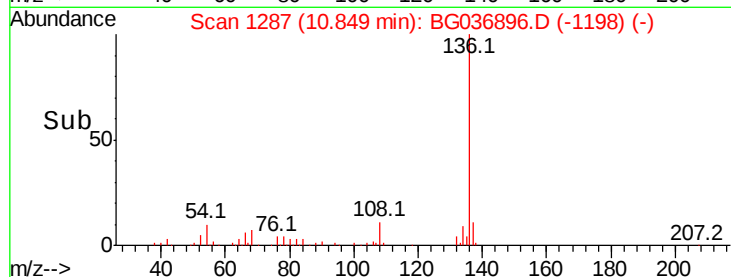
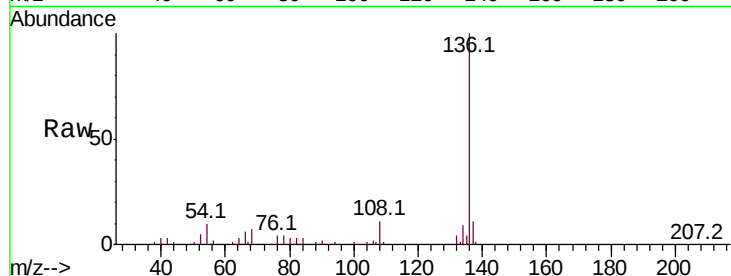




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036896.D
Acq: 22 Sep 2018 16:11

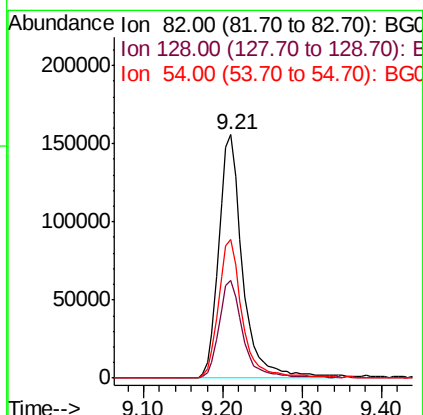
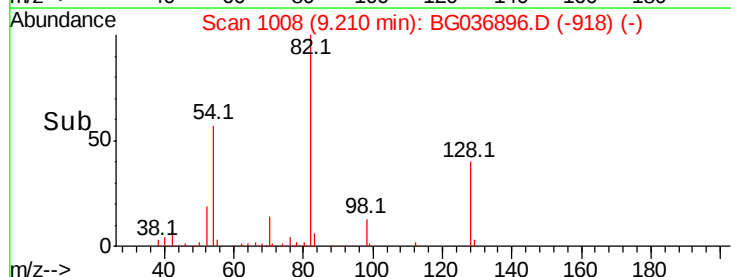
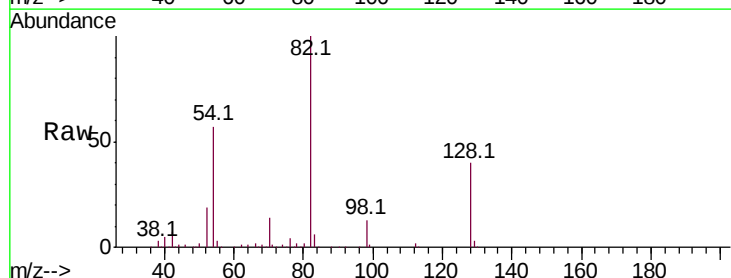
Instrument :
BNA_G
ClientSampleId :

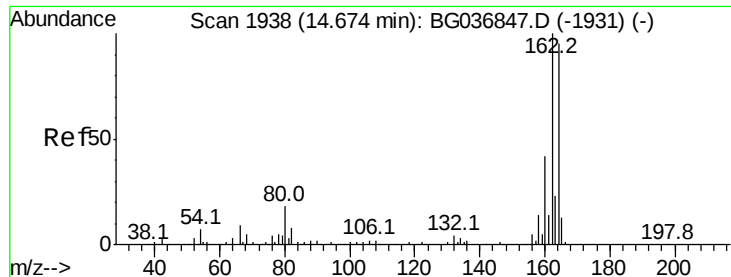
Tot Ion:136	Resp: 169253
Ion Ratio	Lower Upper
136 100	
137 11.2	8.8 13.2
54 9.9	9.2 13.8
68 6.7	5.8 8.6



#23
Nitrobenzene-d5
Concen: 103.081 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BG036896.D
Acq: 22 Sep 2018 16:11

Tgt	Ion: 82	Resp:	325797
Ion	Ratio	Lower	Upper
82	100		
128	40.3	33.3	49.9
54	57.1	45.1	67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BG036896.D

Acq: 22 Sep 2018 16:11

Instrument :

BNA_G

ClientSampleId :

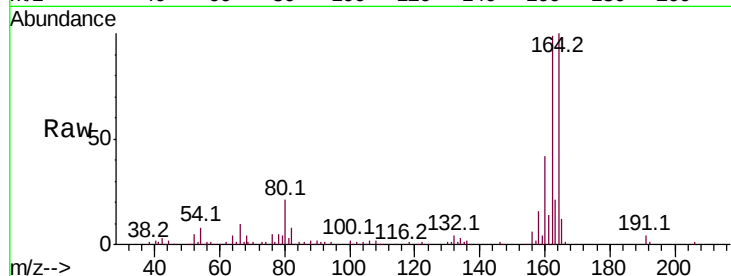
Tot Ion:164 Resp: 117822

Ion Ratio Lower Upper

164 100

162 99.1 80.7 121.1

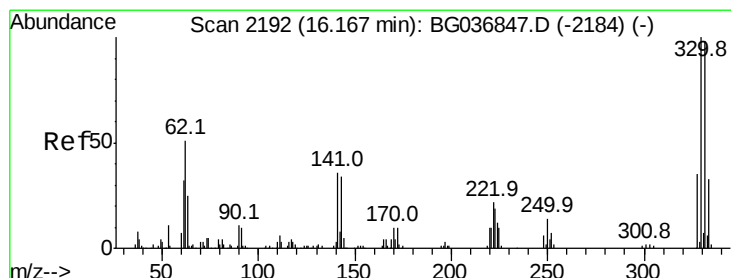
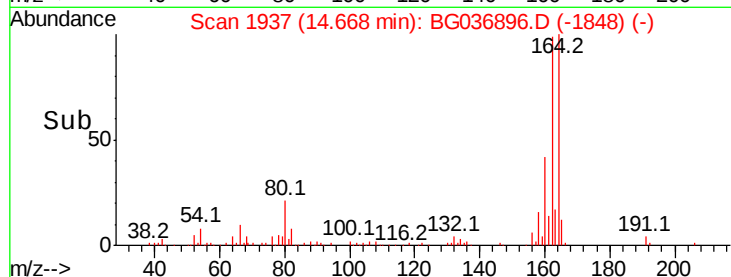
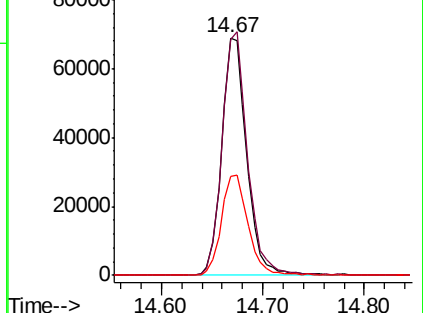
160 41.8 35.3 52.9



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: 111.268 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036896.D

Acq: 22 Sep 2018 16:11

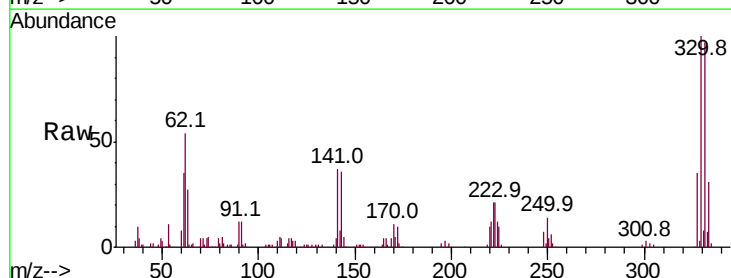
Tgt Ion:330 Resp: 156851

Ion Ratio Lower Upper

330 100

332 97.0 75.4 113.2

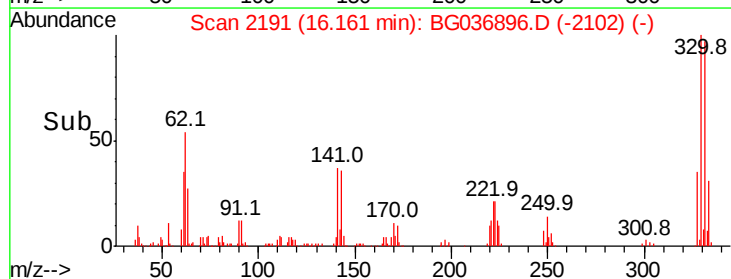
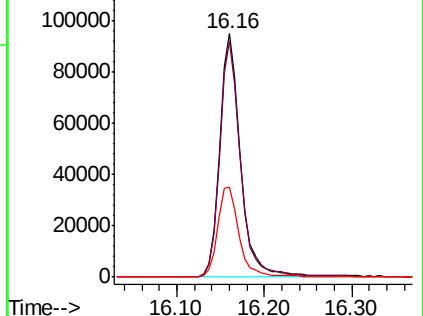
141 38.1 30.7 46.1

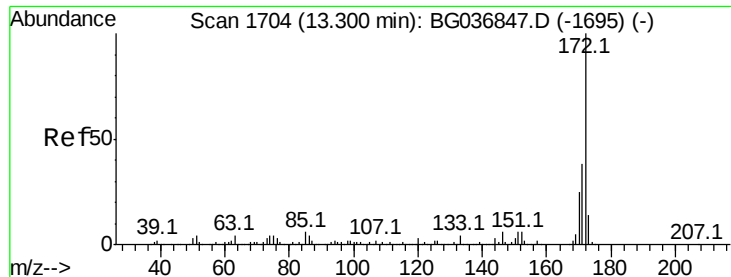


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

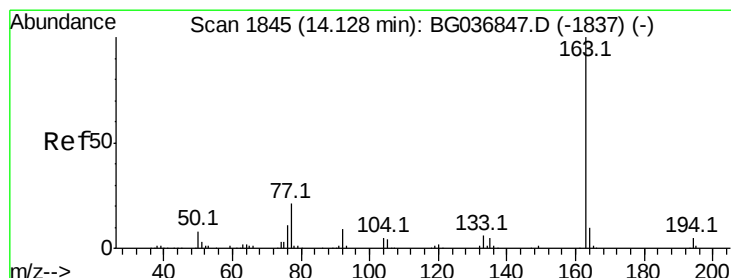
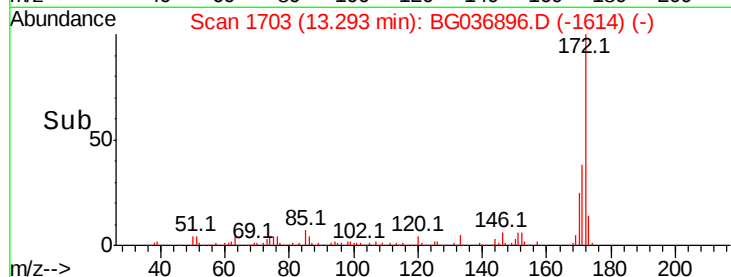
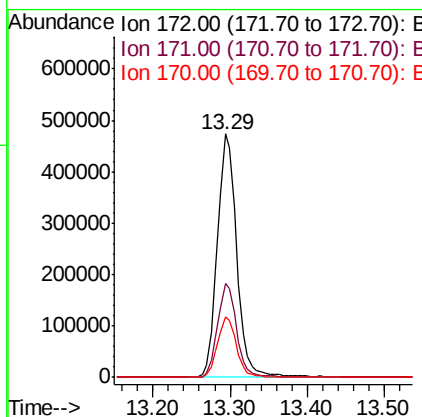
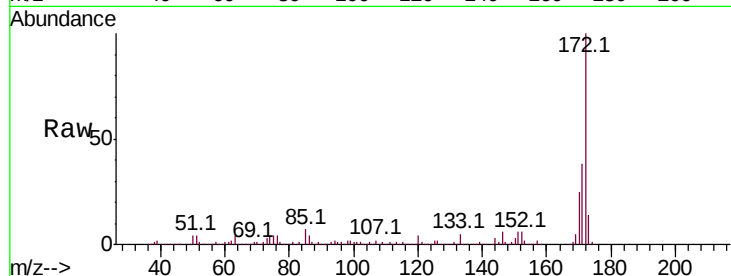




#44
2-Fluorobiphenyl
Concen: 103.889 ng
RT: 13.29 min Scan# 1703
Delta R.T. -0.01 min
Lab File: BG036896.D
Acq: 22 Sep 2018 16:11

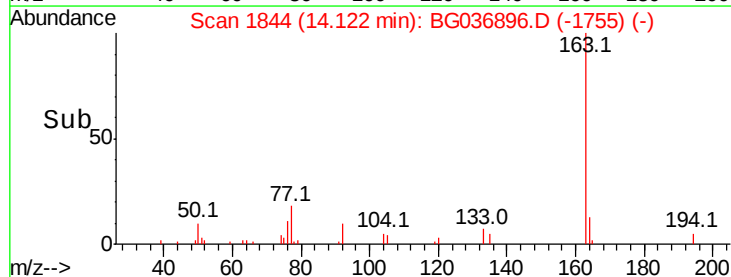
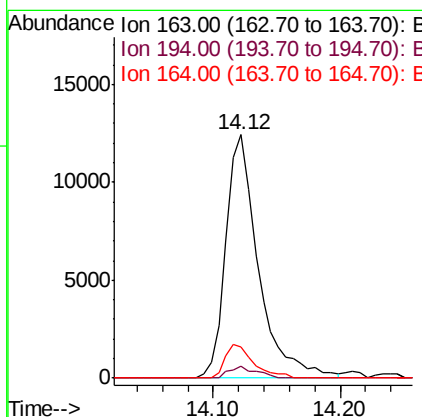
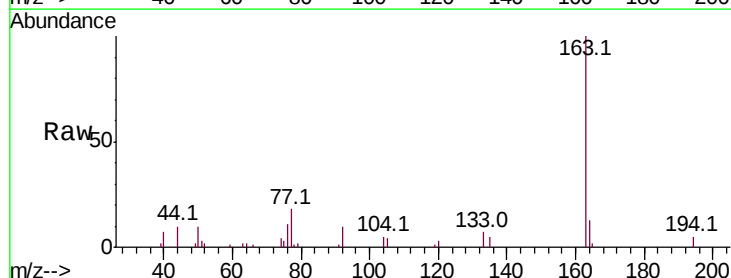
Instrument :
BNA_G
ClientSampleId :

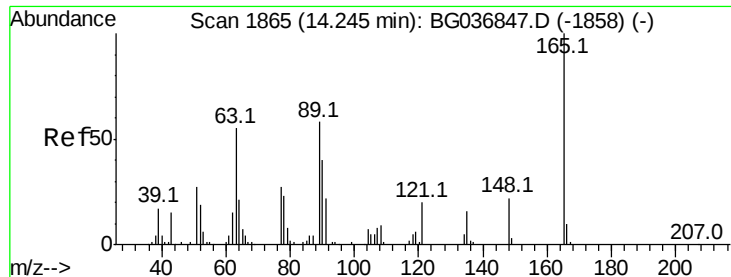
Tot Ion:172 Resp: 821839
Ion Ratio Lower Upper
172 100
171 38.4 31.3 46.9
170 24.7 21.0 31.6



#49
Dimethylphthalate
Concen: 2.330 ng
RT: 14.12 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BG036896.D
Acq: 22 Sep 2018 16:11

Tgt Ion:163 Resp: 22093
Ion Ratio Lower Upper
163 100
194 5.0 4.0 6.0
164 12.9 8.1 12.1#

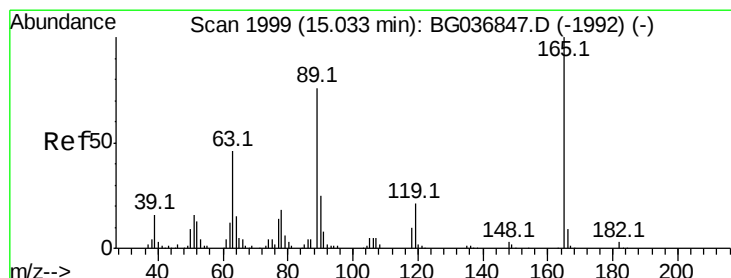
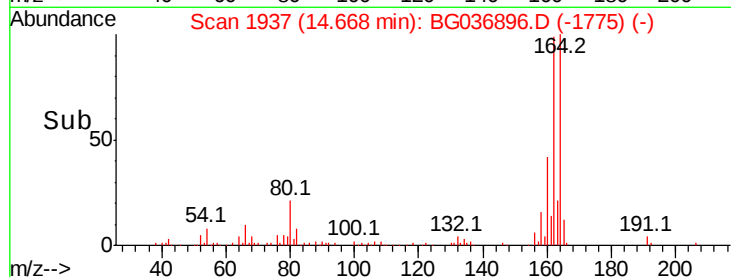
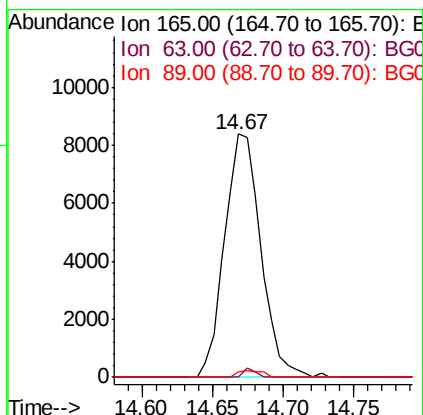
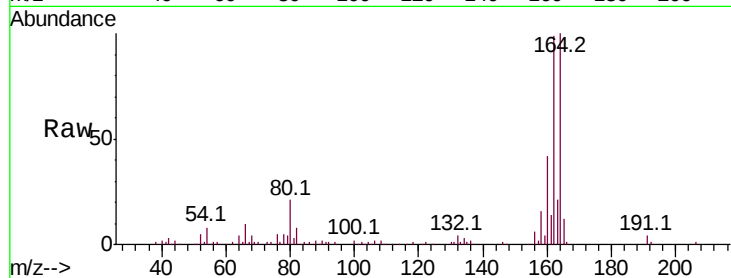




#50
2,6-Dinitrotoluene
Concen: 7.266 ng
RT: 14.67 min Scan# 1937
Delta R.T. 0.42 min
Lab File: BG036896.D
Acq: 22 Sep 2018 16:11

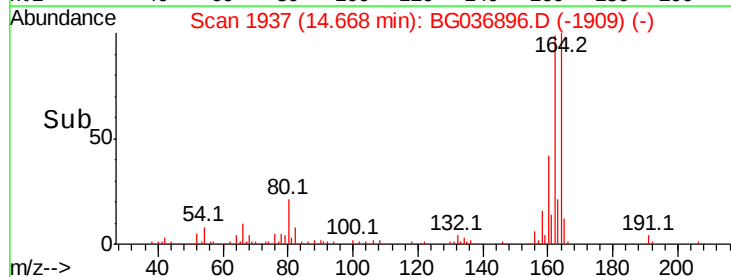
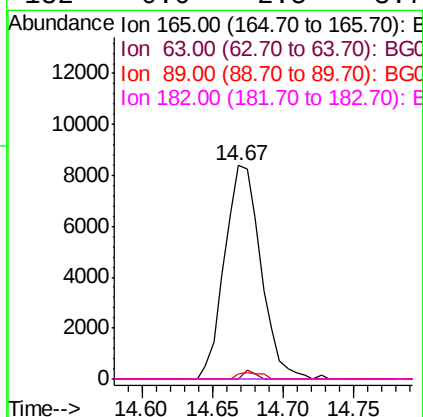
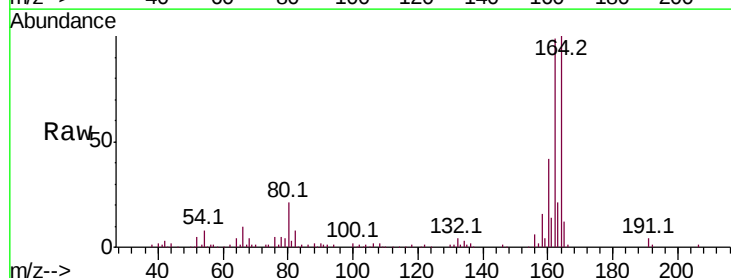
Instrument :
BNA_G
ClientSampleId :

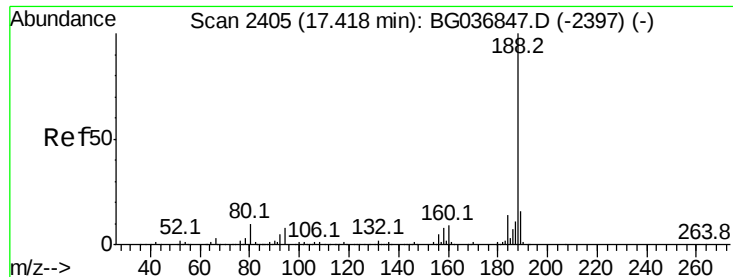
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	2.3	47.8	71.6#



#56
2,4-Dinitrotoluene
Concen: 5.207 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.36 min
Lab File: BG036896.D
Acq: 22 Sep 2018 16:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	2.3	63.7	95.5#
182	0.0	2.5	3.7#

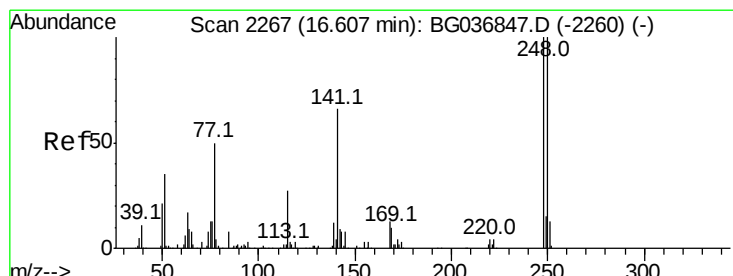
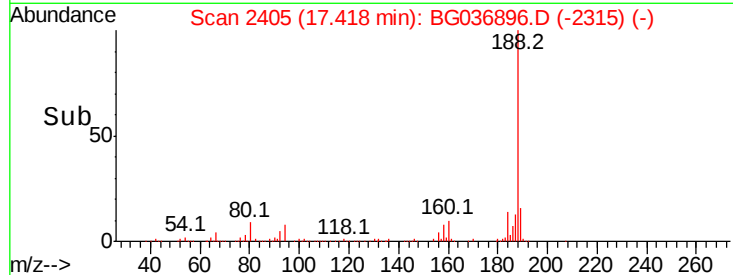
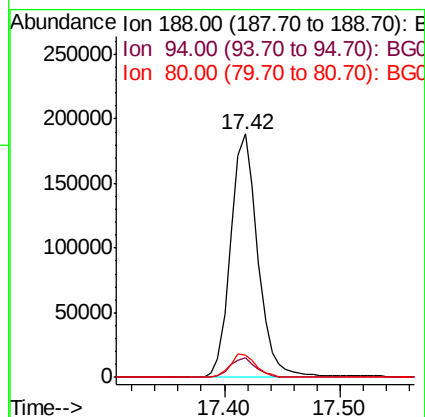
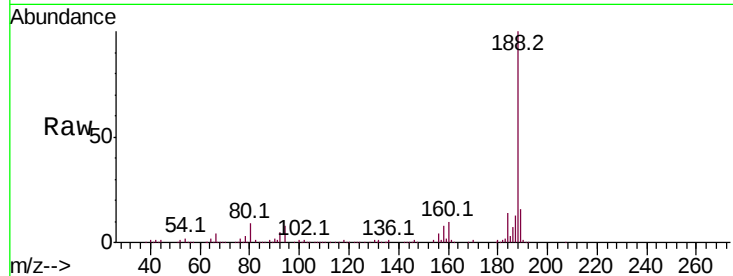




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.00 min
 Lab File: BG036896.D
 Acq: 22 Sep 2018 16:11

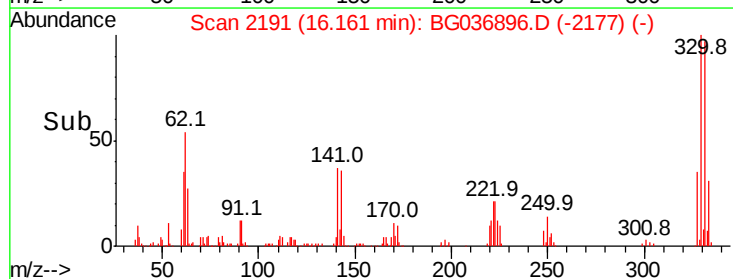
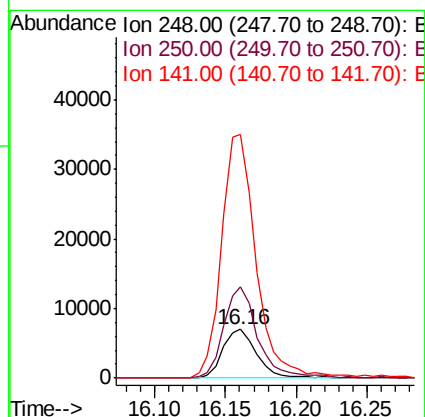
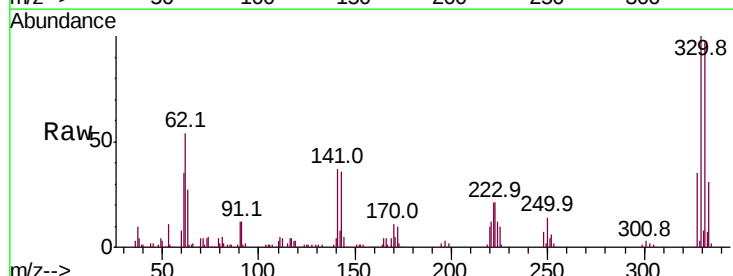
Instrument :
 BNA_G
 ClientSampled :

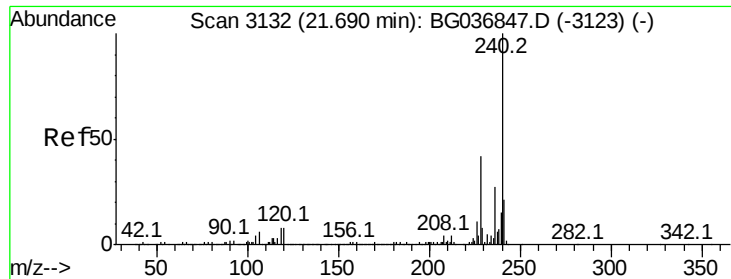
Tot Ion:188 Resp: 308736
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.7 10.1
 80 9.3 8.1 12.1



#66
 4-Bromophenyl-phenylether
 Concen: 3.283 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.45 min
 Lab File: BG036896.D
 Acq: 22 Sep 2018 16:11

Tgt Ion:248 Resp: 11529
 Ion Ratio Lower Upper
 248 100
 250 187.1 78.1 117.1#
 141 502.0 53.7 80.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BG036896.D

Acq: 22 Sep 2018 16:11

Instrument :

BNA_G

ClientSampleId :

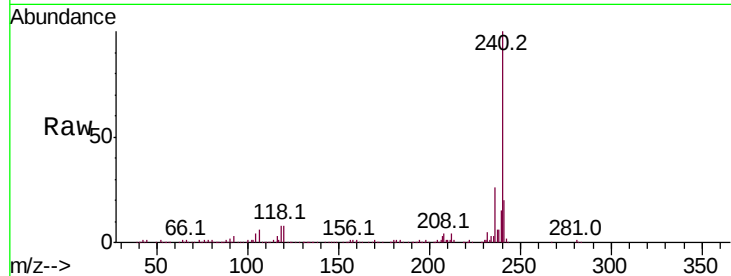
Tot Ion:240 Resp: 328954

Ion Ratio Lower Upper

240 100

120 7.6 6.9 10.3

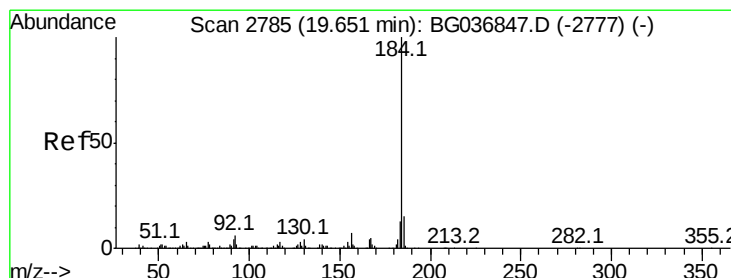
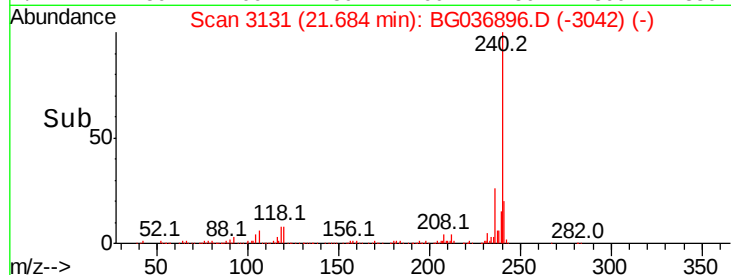
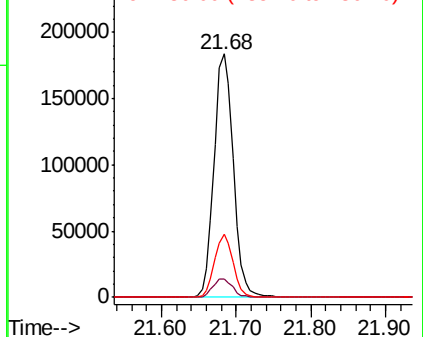
236 26.1 21.2 31.8



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: 2.588 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG036896.D

Acq: 22 Sep 2018 16:11

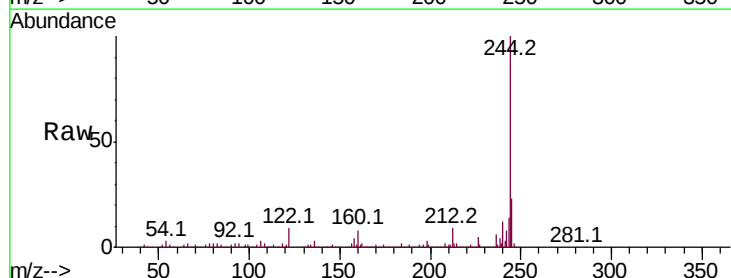
Tgt Ion:184 Resp: 25735

Ion Ratio Lower Upper

184 100

185 15.4 12.6 18.8

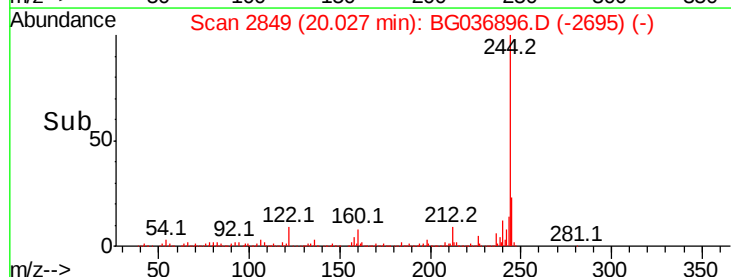
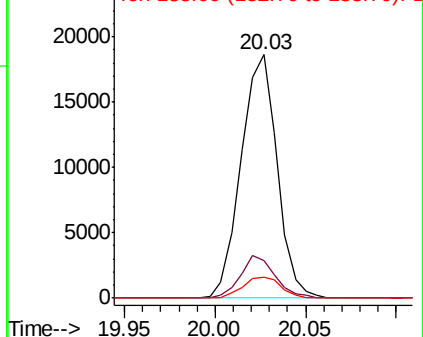
183 8.8 10.9 16.3#

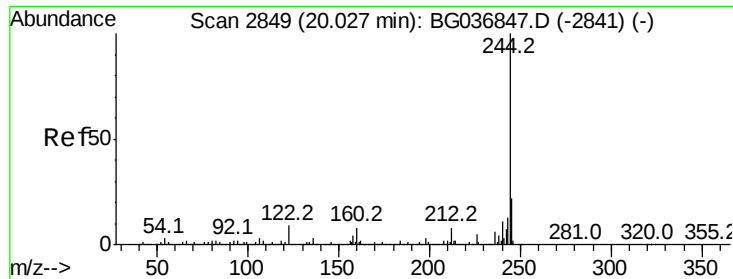


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 114.475 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036896.D

Acq: 22 Sep 2018 16:11

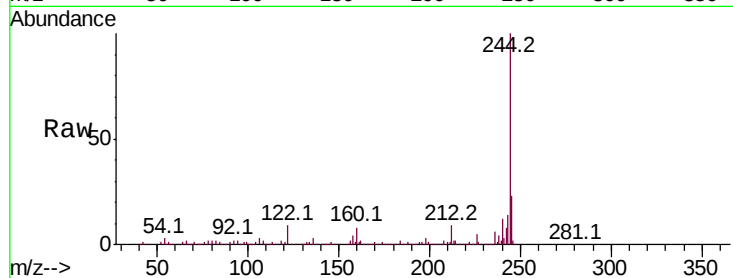
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1432105

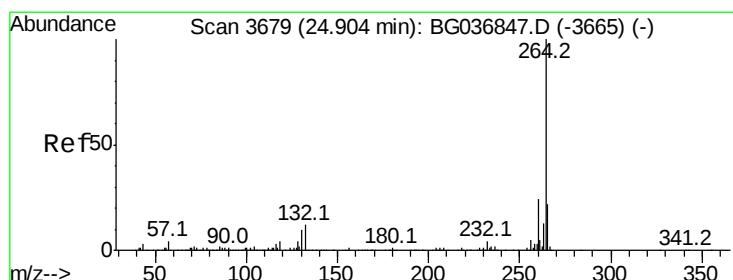
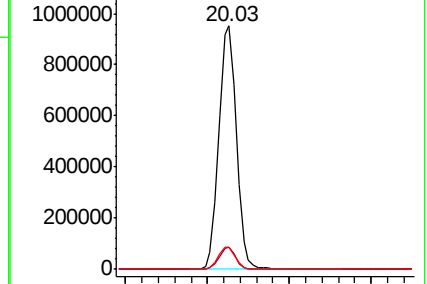
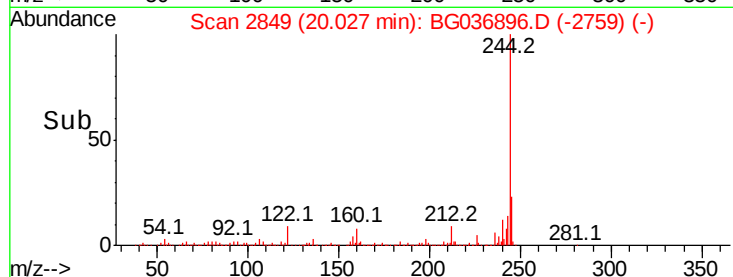
Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.0	10.6
122	9.1	7.1	10.7



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: 24.89 min Scan# 3677

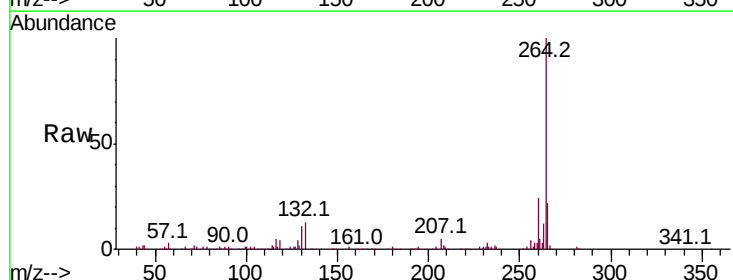
Delta R.T. -0.01 min

Lab File: BG036896.D

Acq: 22 Sep 2018 16:11

Tgt Ion:264 Resp: 323940

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	21.5	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

