

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092118\
 Data File : BG036899.D
 Acq On : 22 Sep 2018 18:08
 Operator : JU/SJ
 Sample : J5019-04
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 03:56:15 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

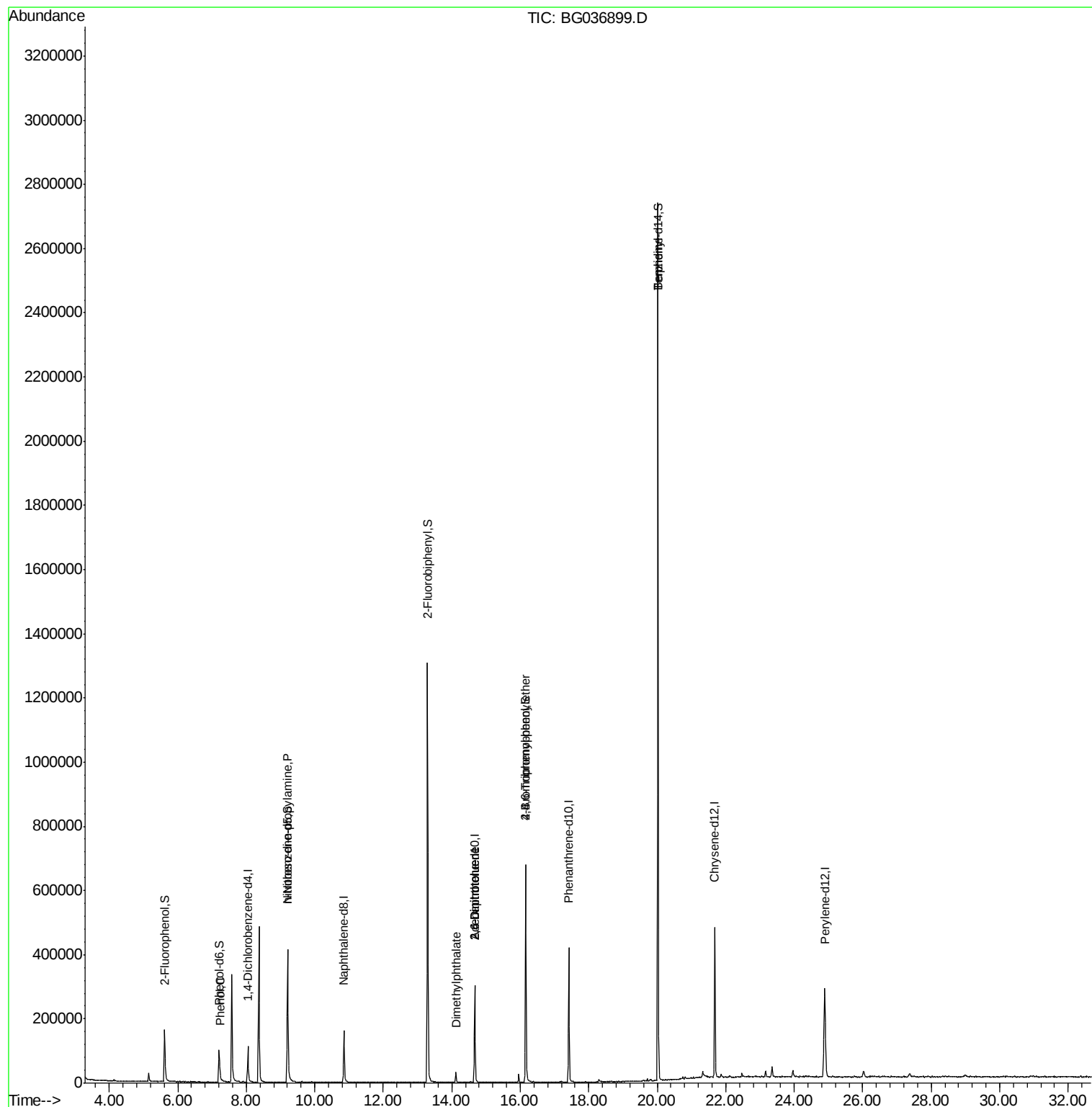
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	36763	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	161597	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	111208	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	292947	20.00	ng	0.00
75) Chrysene-d12	21.68	240	305812	20.00	ng	-0.01
86) Perylene-d12	24.89	264	305546	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	86440	45.09	ng	0.00
7) Phenol-d6	7.21	99	76741	25.87	ng	0.00
23) Nitrobenzene-d5	9.21	82	302859	100.36	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	138812	104.33	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	739783	99.08	ng	0.00
78) Terphenyl-d14	20.02	244	1301736	111.93	ng	0.00
Target Compounds						
10) Phenol	7.24	94	6339	2.071	ng	98
19) n-Nitroso-di-n-propylamine	9.21	70	39150	15.868	ng	# 71
49) Dimethylphthalate	14.12	163	27532	3.076	ng	98
50) 2,6-Dinitrotoluene	14.67	165	14446	7.397	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	14446	5.301	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	9766	2.931	ng	# 1
76) Benzidine	20.02	184	23232	2.513	ng	# 93

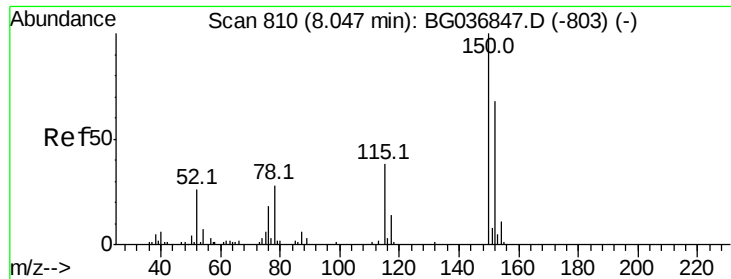
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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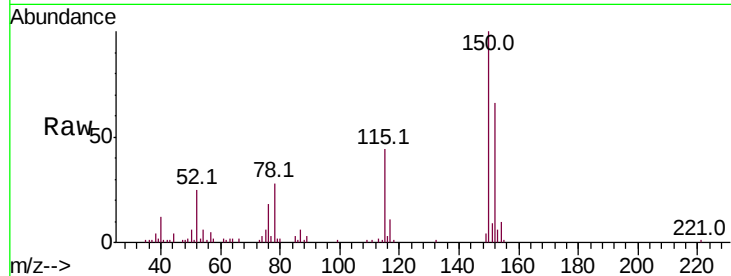


#1

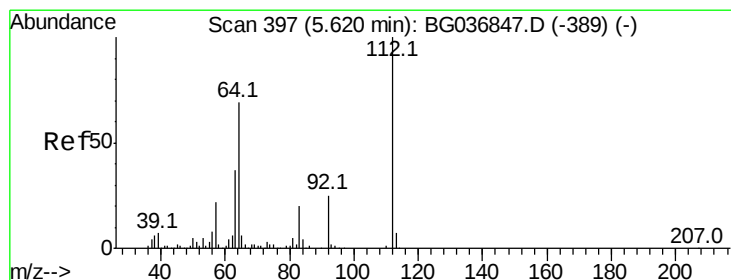
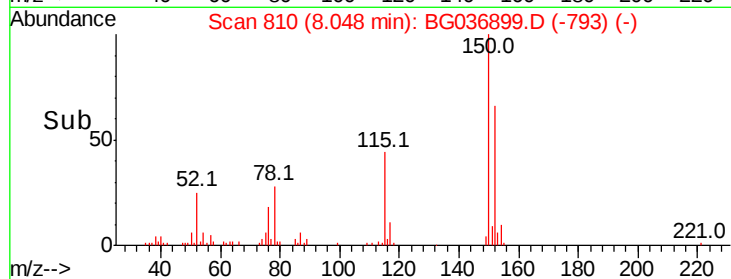
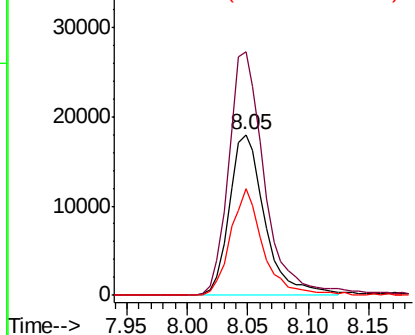
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. 0.00 min
Lab File: BG036899.D
Acq: 22 Sep 2018 18:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 36763
Ion Ratio Lower Upper
152 100
150 151.2 119.5 179.3
115 66.3 44.5 66.7



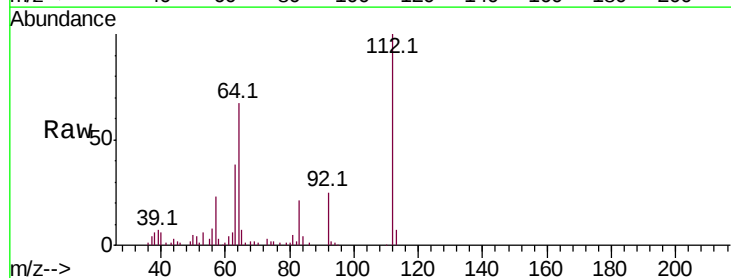
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



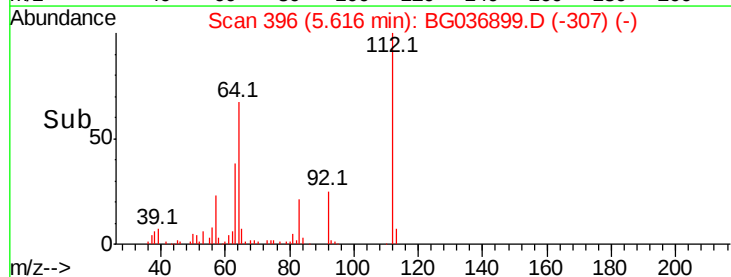
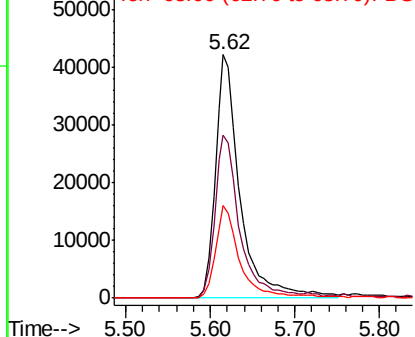
#5

2-Fluorophenol
Concen: 45.092 ng
RT: 5.62 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG036899.D
Acq: 22 Sep 2018 18:08

Tgt Ion:112 Resp: 86440
Ion Ratio Lower Upper
112 100
64 67.1 57.2 85.8
63 38.0 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: 25.875 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.00 min

Lab File: BG036899.D

Acq: 22 Sep 2018 18:08

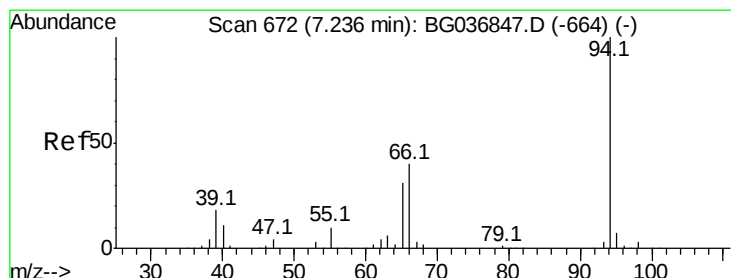
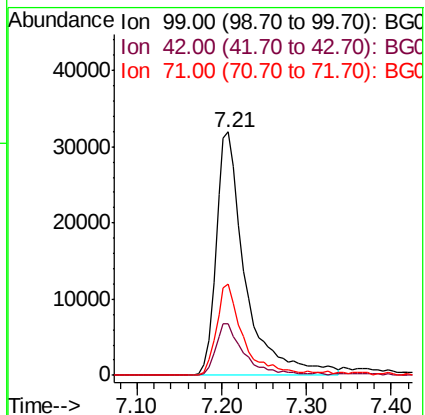
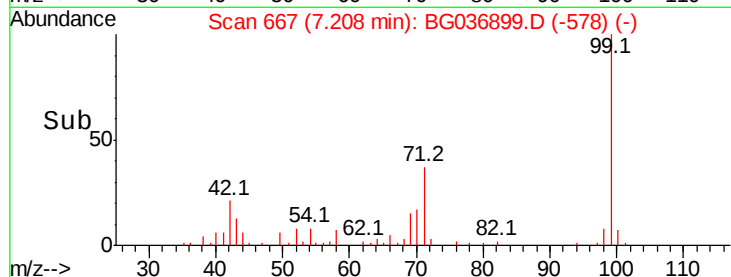
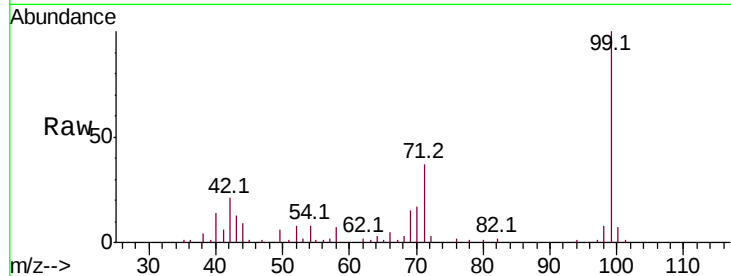
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 76741

Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.5	24.7
71	37.5	29.4	44.2



#10

Phenol

Concen: 2.071 ng

RT: 7.24 min Scan# 672

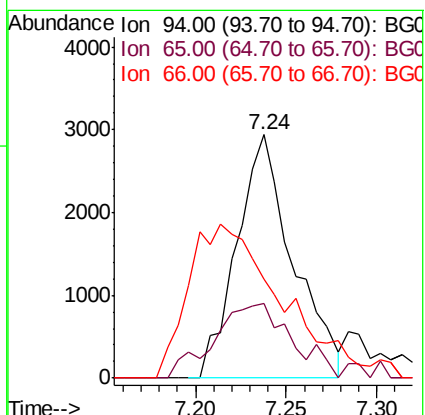
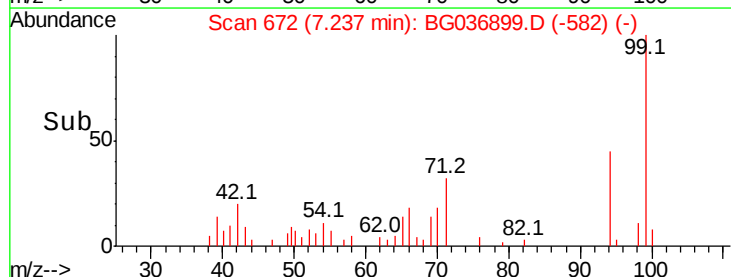
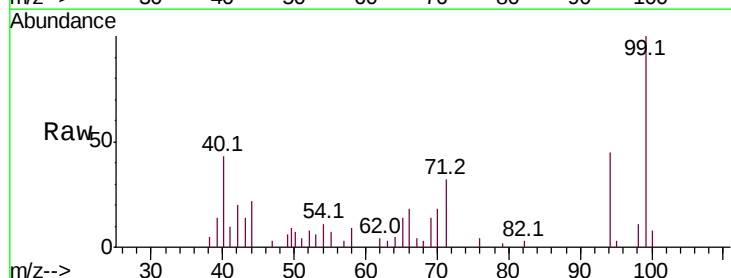
Delta R.T. 0.00 min

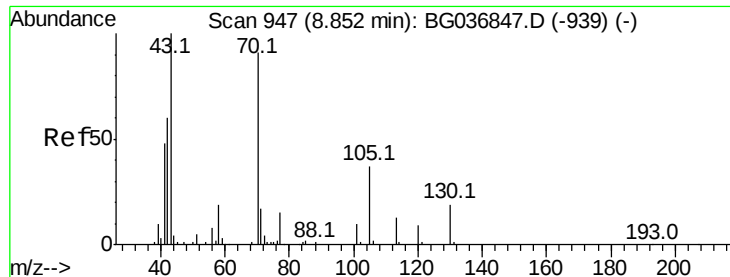
Lab File: BG036899.D

Acq: 22 Sep 2018 18:08

Tgt Ion: 94 Resp: 6339

Ion	Ratio	Lower	Upper
94	100		
65	30.7	11.5	51.5
66	40.6	19.5	59.5

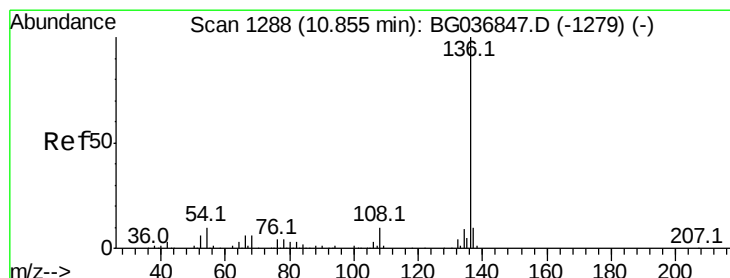
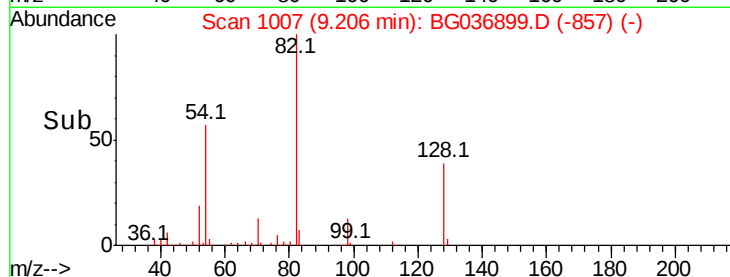
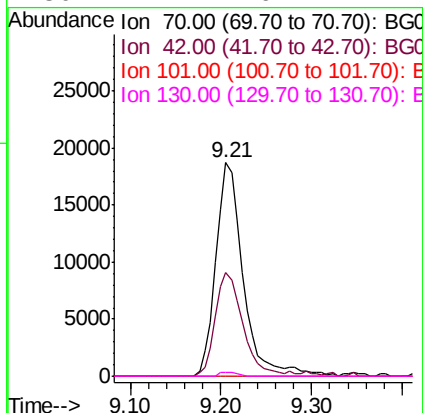
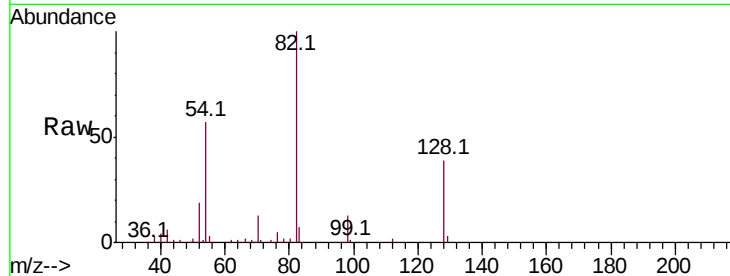




#19
n-Nitroso-di-n-propylamine
Concen: 15.868 ng
RT: 9.21 min Scan# 1007
Delta R.T. 0.35 min
Lab File: BG036899.D
Acq: 22 Sep 2018 18:08

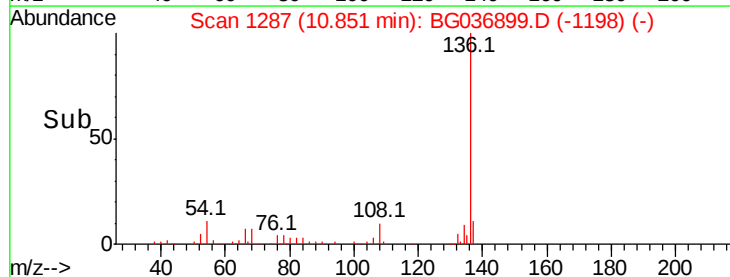
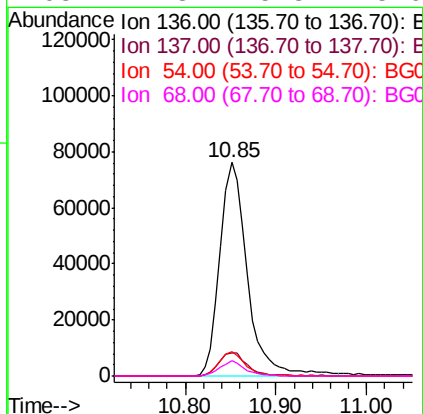
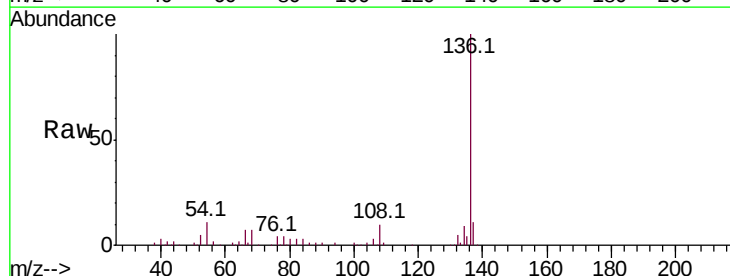
Instrument :
BNA_G
ClientSampleId :

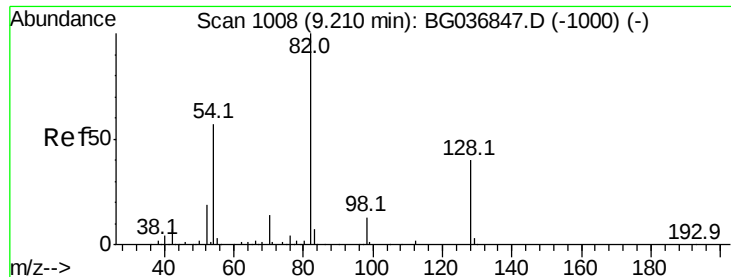
Tot Ion: 70 Resp: 39150
Ion Ratio Lower Upper
70 100
42 48.4 56.2 84.4#
101 0.0 7.8 11.6#
130 1.7 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BG036899.D
Acq: 22 Sep 2018 18:08

Tgt Ion:136 Resp: 161597
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 11.4 9.2 13.8
68 7.3 5.8 8.6

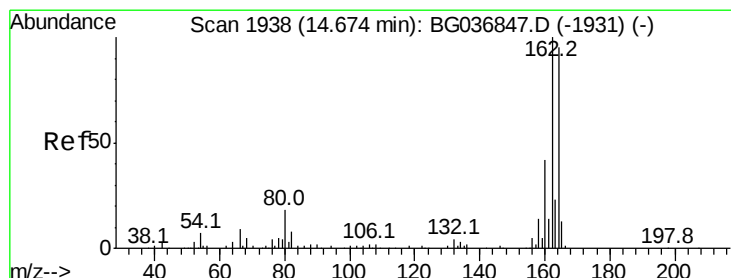
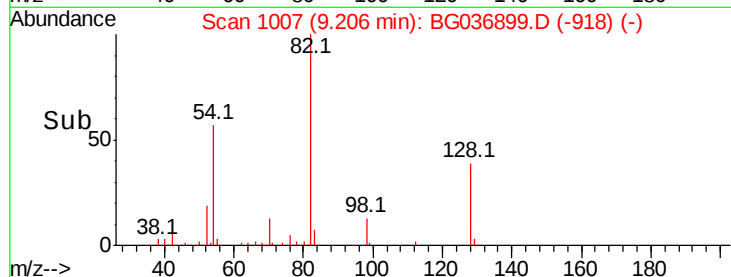
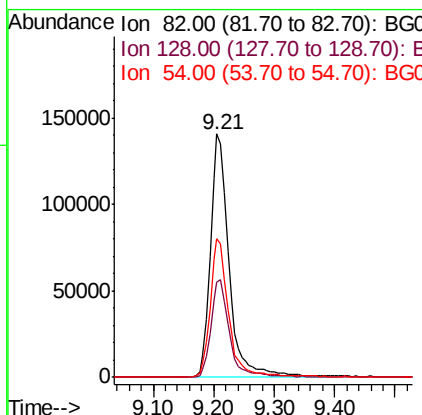
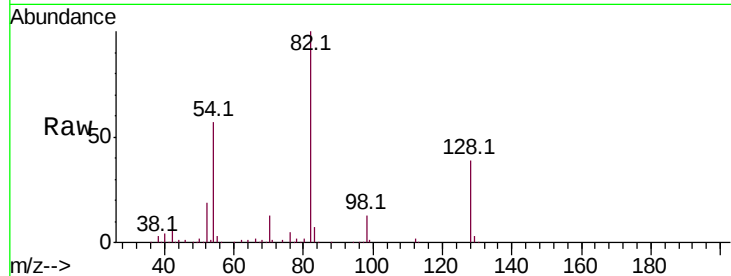




#23
 Nitrobenzene-d5
 Concen: 100.363 ng
 RT: 9.21 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: BG036899.D
 Acq: 22 Sep 2018 18:08

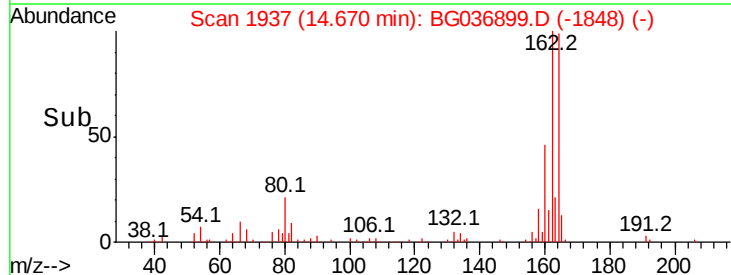
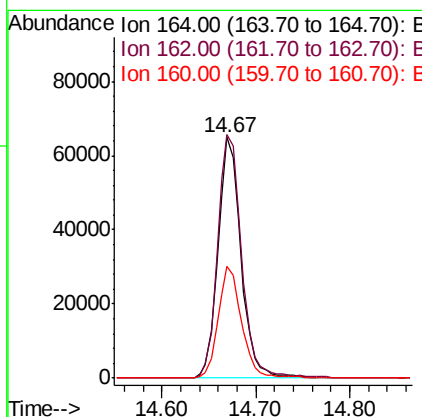
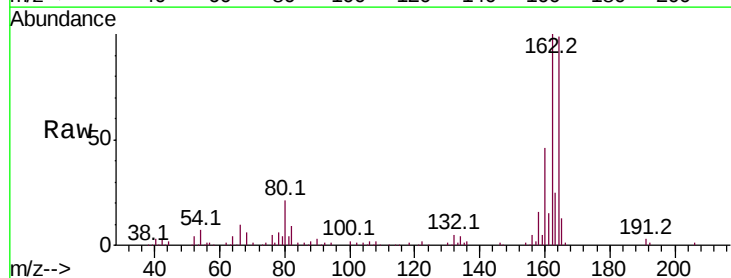
Instrument :
 BNA_G
 ClientSampleId :

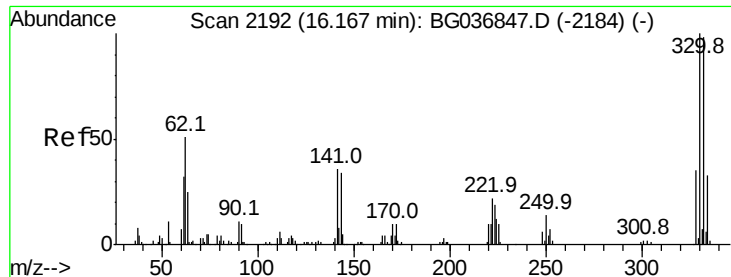
Tot Ion	82	Resp	302859
Ion	Ratio	Lower	Upper
82	100		
128	39.3	33.3	49.9
54	56.8	45.1	67.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: BG036899.D
 Acq: 22 Sep 2018 18:08

Tgt Ion	164	Resp	111208
Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.7	121.1
160	46.4	35.3	52.9

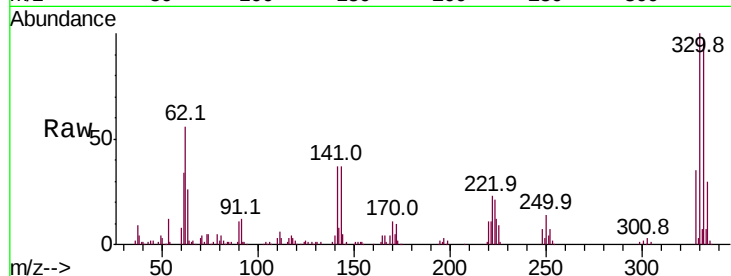




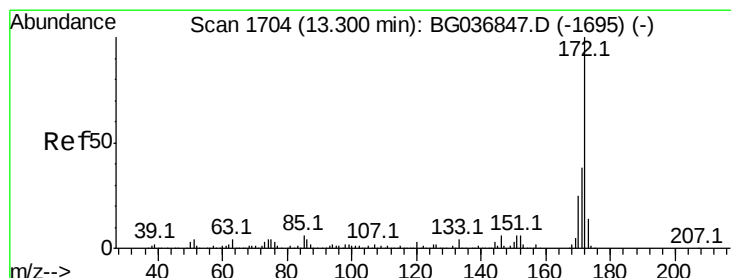
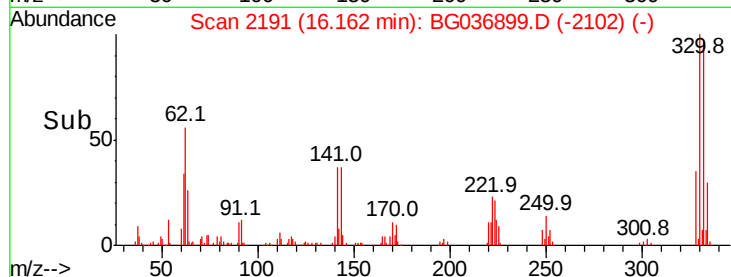
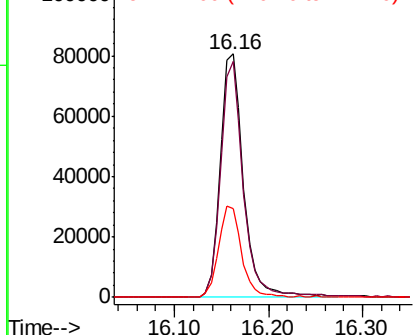
#41
 2,4,6-Tribromophenol
 Concen: 104.328 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: BG036899.D
 Acq: 22 Sep 2018 18:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.7	75.4	113.2
141	37.3	30.7	46.1

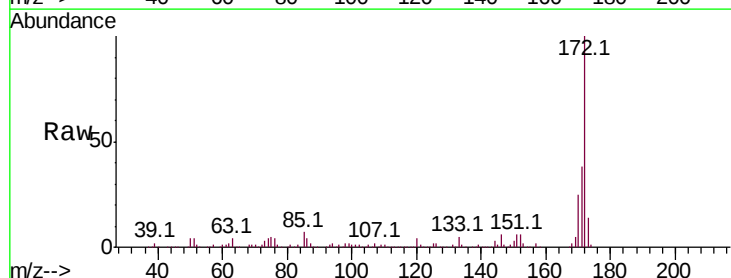


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

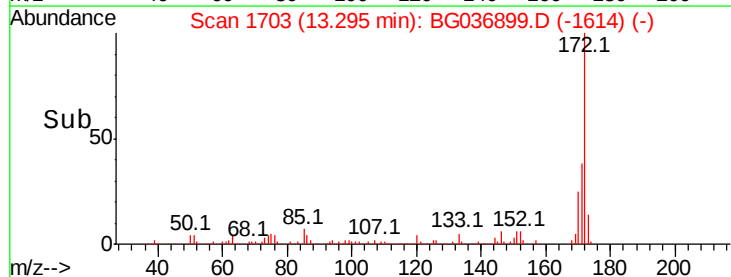
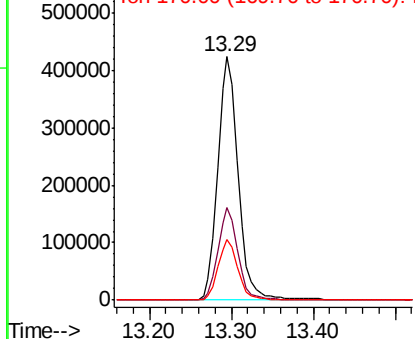


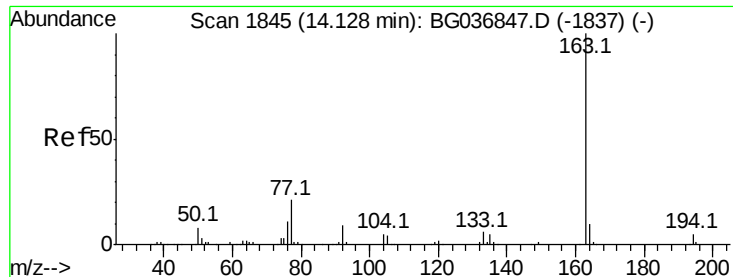
#44
 2-Fluorobiphenyl
 Concen: 99.078 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: BG036899.D
 Acq: 22 Sep 2018 18:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.3	46.9
170	25.1	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: 3.076 ng

RT: 14.12 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BG036899.D

Acq: 22 Sep 2018 18:08

Instrument :

BNA_G

ClientSampleId :

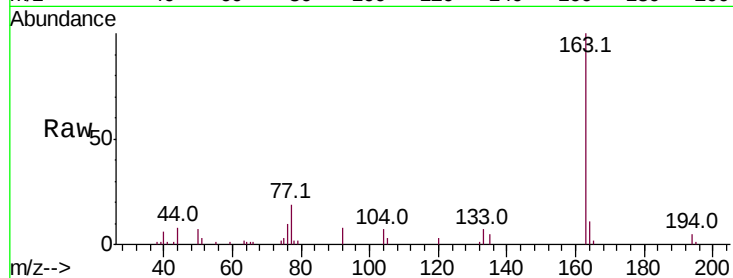
Tot Ion:163 Resp: 27532

Ion Ratio Lower Upper

163 100

194 4.6 4.0 6.0

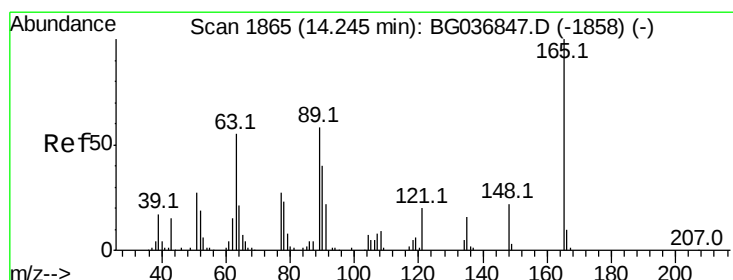
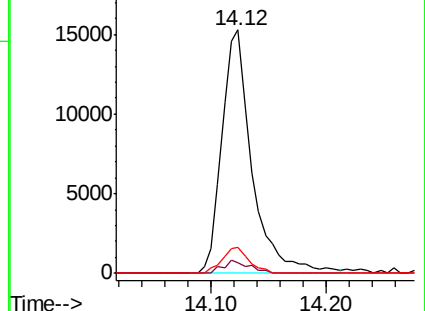
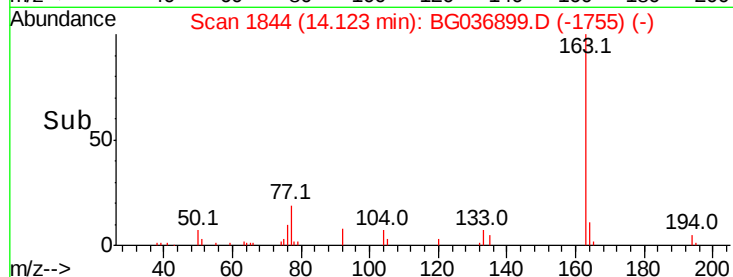
164 10.8 8.1 12.1



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: 7.397 ng

RT: 14.67 min Scan# 1937

Delta R.T. 0.42 min

Lab File: BG036899.D

Acq: 22 Sep 2018 18:08

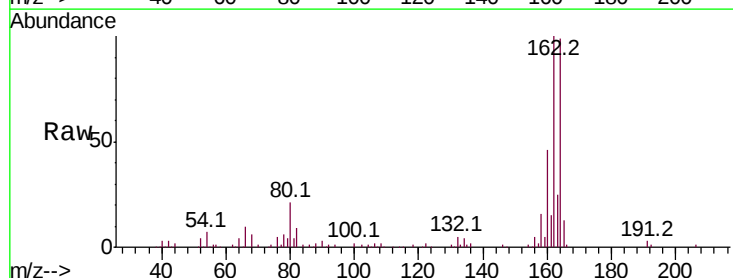
Tgt Ion:165 Resp: 14446

Ion Ratio Lower Upper

165 100

63 1.8 50.1 75.1#

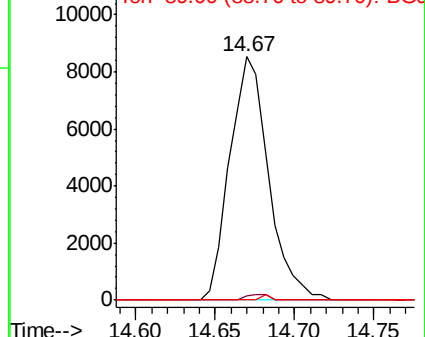
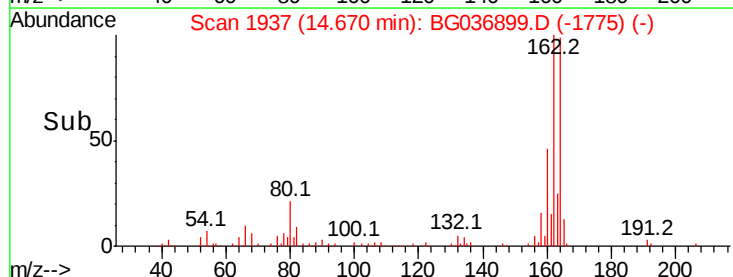
89 0.0 47.8 71.6#

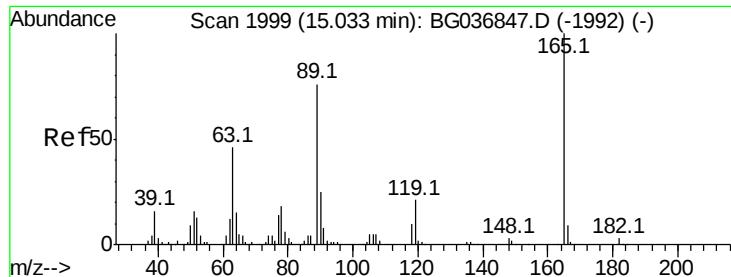


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

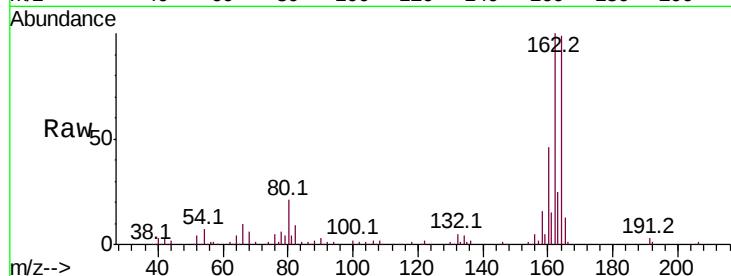




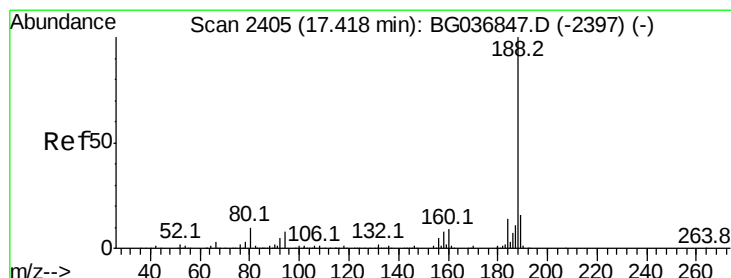
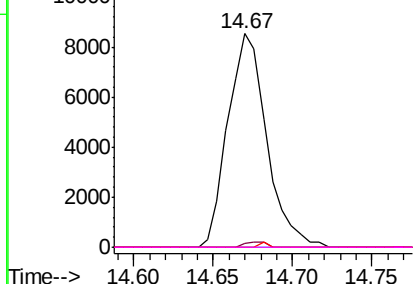
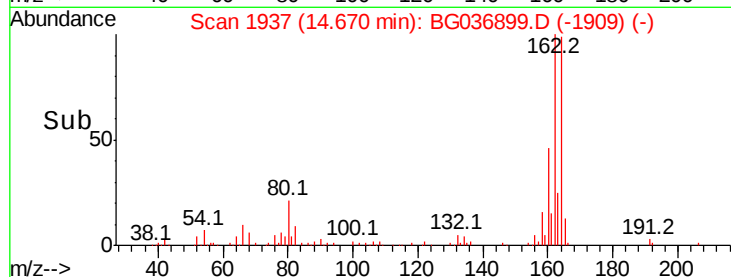
#56
 2,4-Dinitrotoluene
 Concen: 5.301 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG036899.D
 Acq: 22 Sep 2018 18:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 14446
 Ion Ratio Lower Upper
 165 100
 63 1.8 40.1 60.1#
 89 0.0 63.7 95.5#
 182 0.0 2.5 3.7#

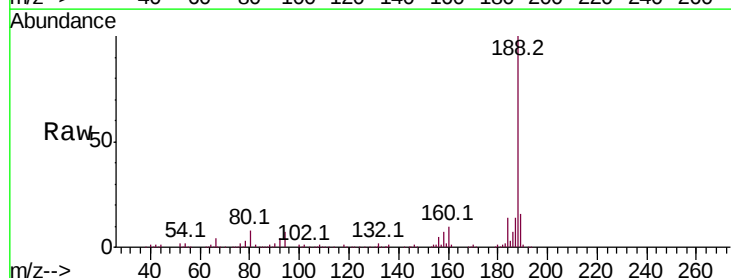


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

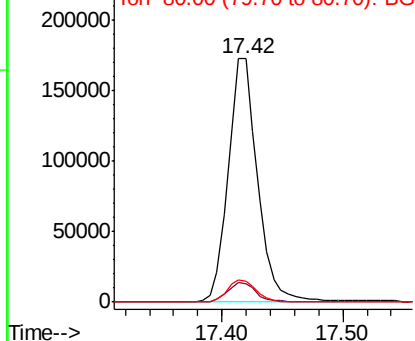
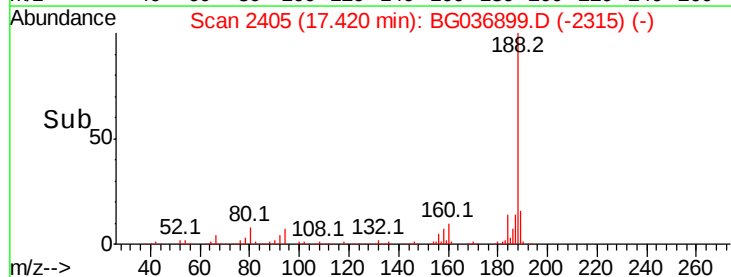


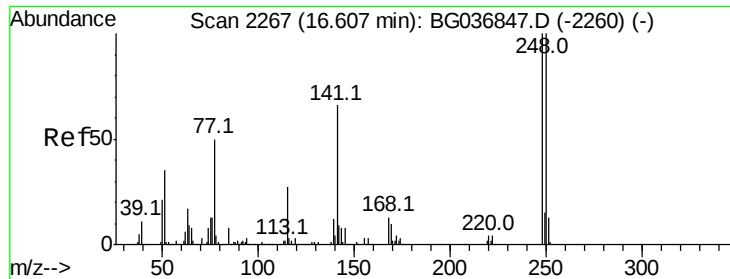
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. 0.00 min
 Lab File: BG036899.D
 Acq: 22 Sep 2018 18:08

Tgt Ion:188 Resp: 292947
 Ion Ratio Lower Upper
 188 100
 94 7.3 6.7 10.1
 80 8.5 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

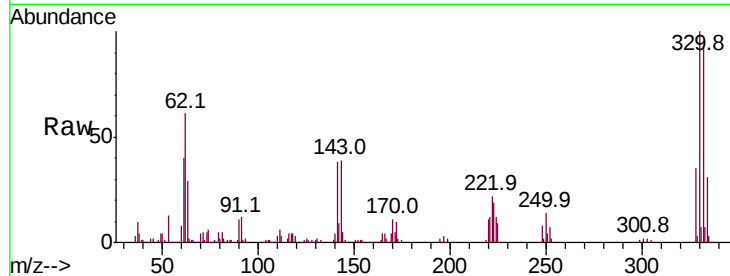




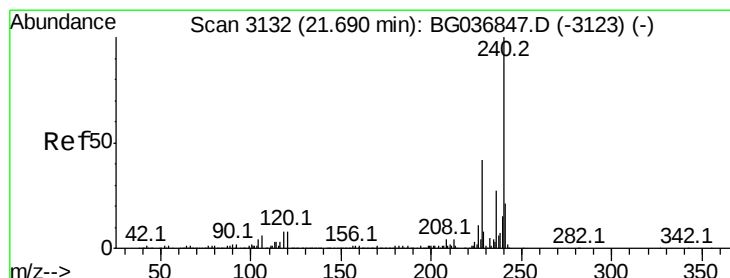
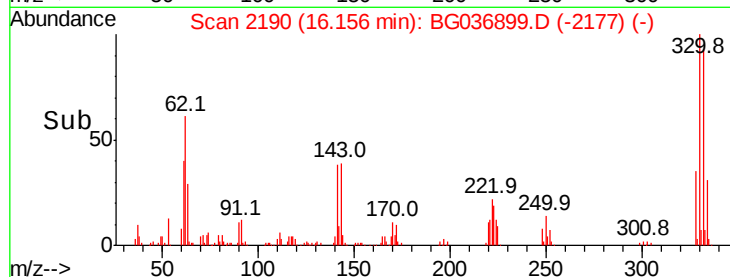
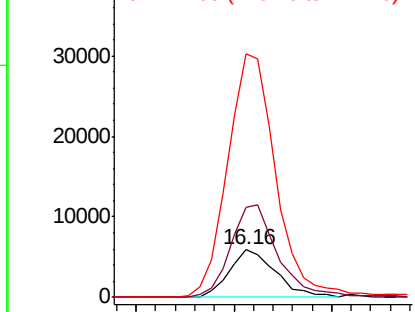
#66
 4-Bromophenyl-phenylether
 Concen: 2.931 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG036899.D
 Acq: 22 Sep 2018 18:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 9766
 Ion Ratio Lower Upper
 248 100
 250 189.9 78.1 117.1#
 141 510.7 53.7 80.5#

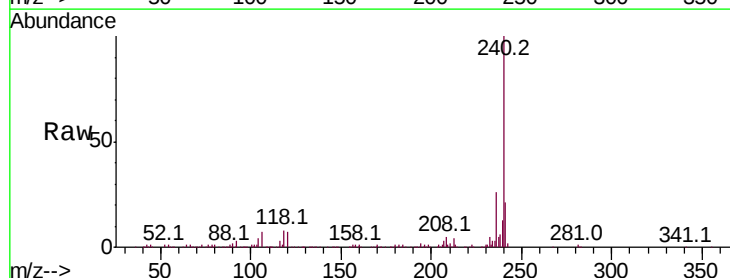


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

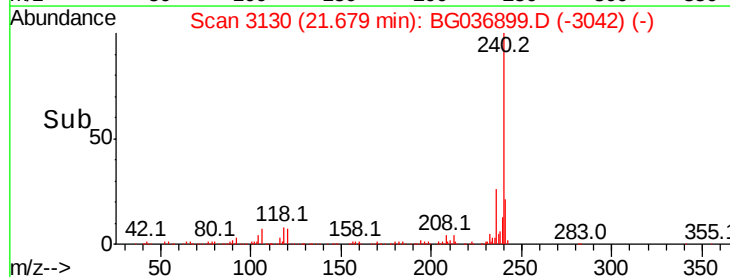
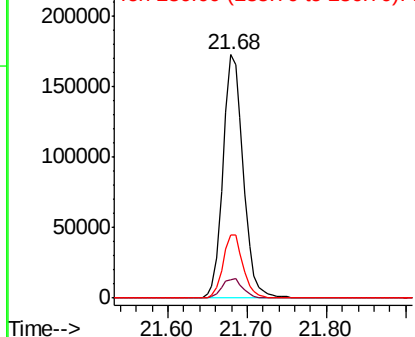


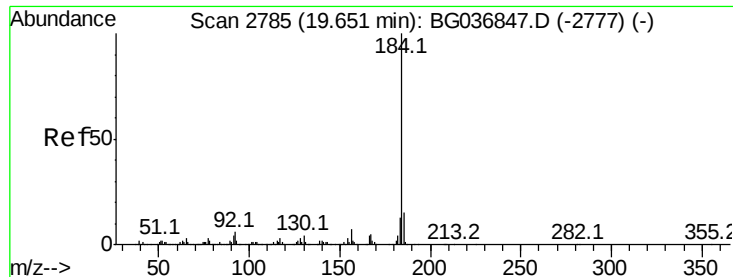
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036899.D
 Acq: 22 Sep 2018 18:08

Tgt Ion:240 Resp: 305812
 Ion Ratio Lower Upper
 240 100
 120 7.4 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: 2.513 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036899.D

Acq: 22 Sep 2018 18:08

Instrument :

BNA_G

ClientSampleId :

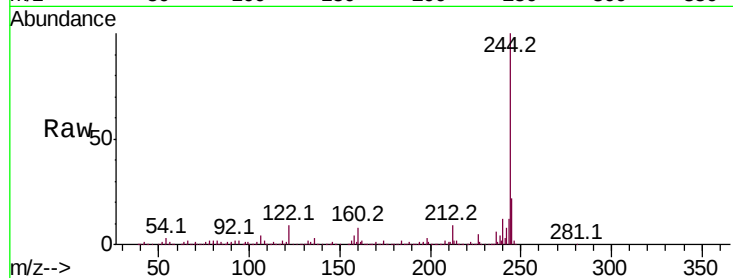
Tot Ion:184 Resp: 23232

Ion Ratio Lower Upper

184 100

185 16.5 12.6 18.8

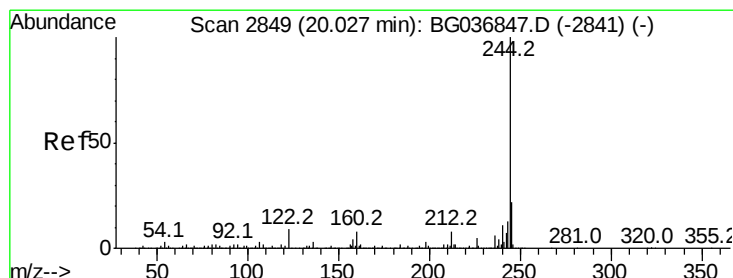
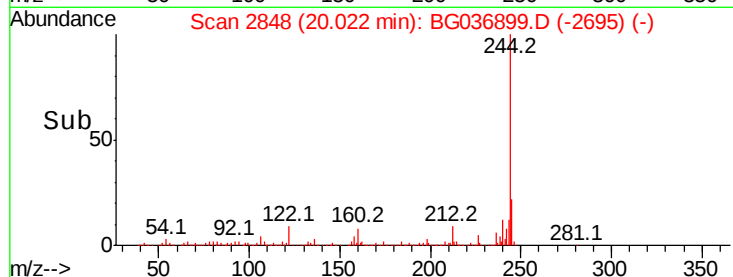
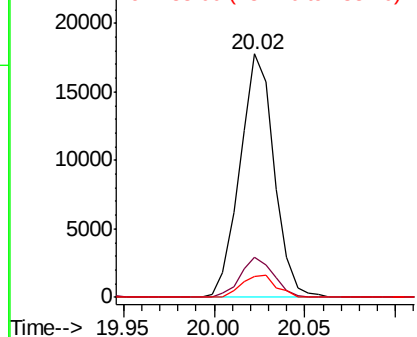
183 8.8 10.9 16.3#



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: 111.928 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG036899.D

Acq: 22 Sep 2018 18:08

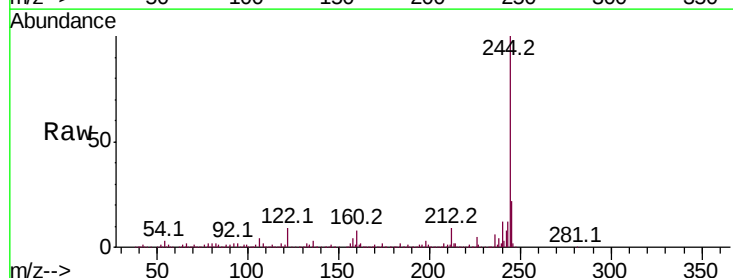
Tgt Ion:244 Resp: 1301736

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.6

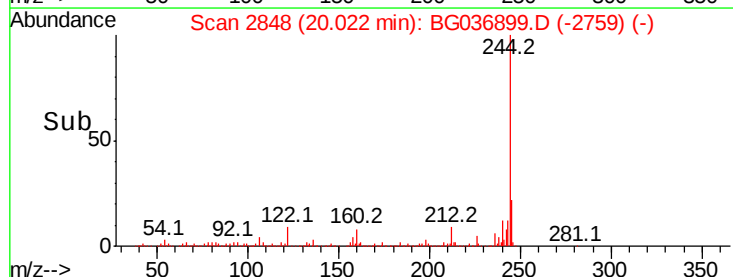
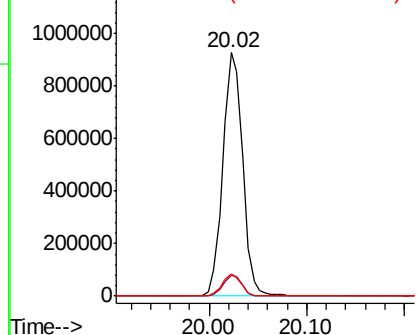
122 9.1 7.1 10.7

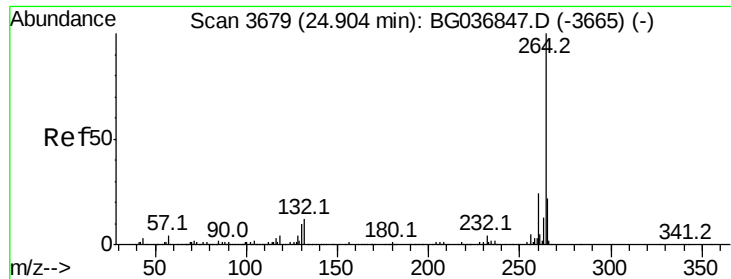


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

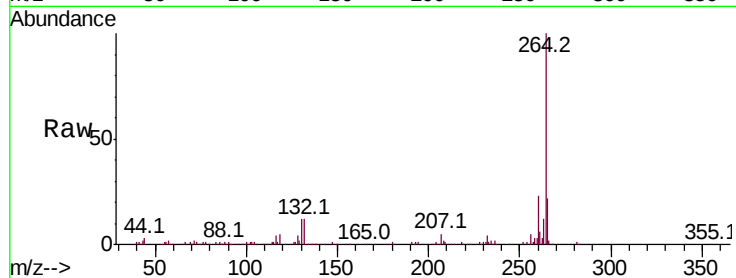




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.89 min Scan# 3676
 Delta R.T. -0.02 min
 Lab File: BG036899.D
 Acq: 22 Sep 2018 18:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	305546
Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.6	29.4
265	21.9	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

