

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092218\
 Data File : BG036904.D
 Acq On : 22 Sep 2018 22:43
 Operator : JU/SJ
 Sample : J5019-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 04:44:41 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

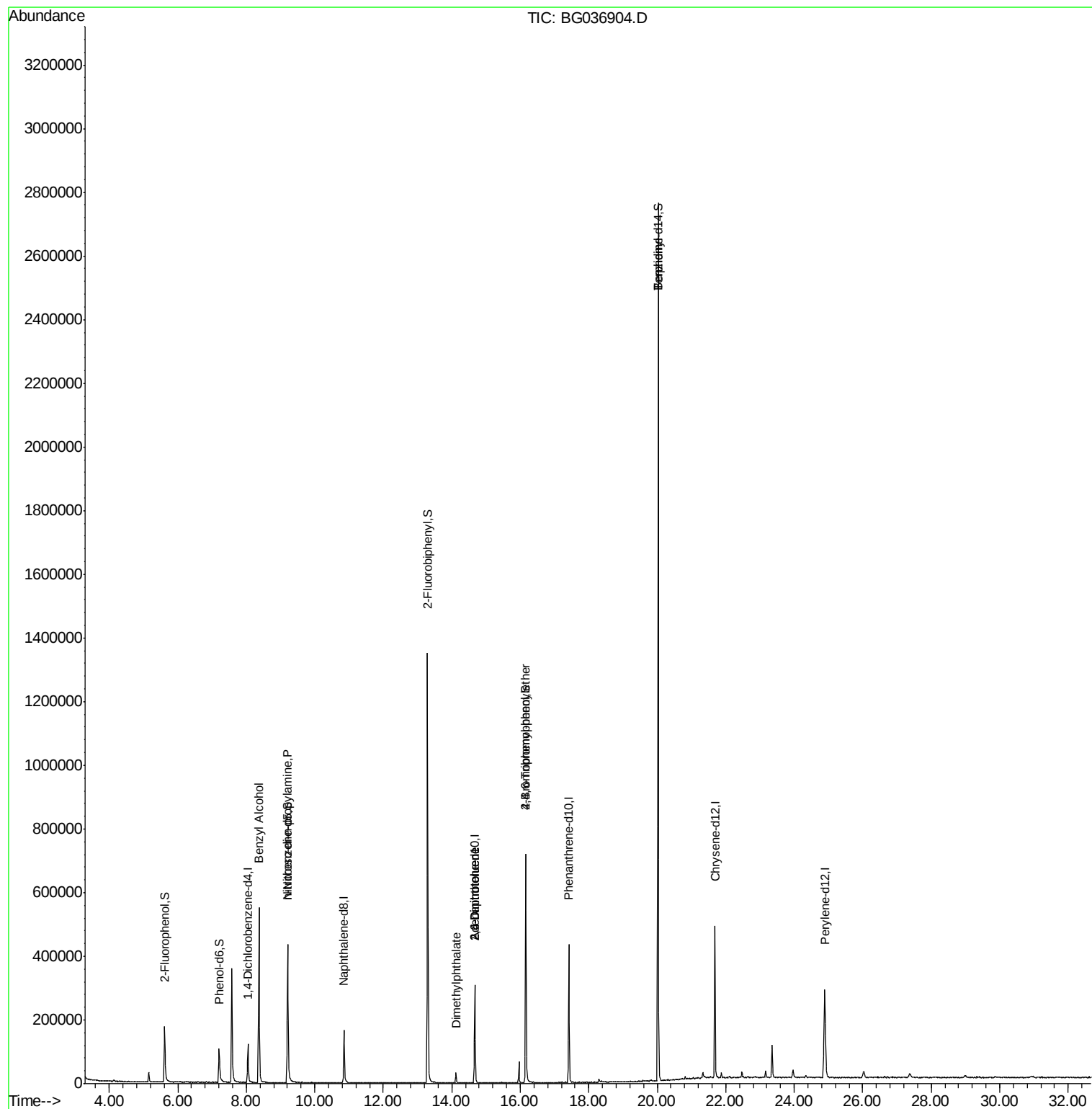
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	37795	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	163304	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	111637	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	295246	20.00	ng	0.00
75) Chrysene-d12	21.68	240	302432	20.00	ng	0.00
86) Perylene-d12	24.89	264	300191	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	89454	45.39	ng	0.00
7) Phenol-d6	7.21	99	74340	24.38	ng	0.00
23) Nitrobenzene-d5	9.21	82	325558	106.76	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	147476	110.41	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	791863	105.65	ng	0.00
78) Terphenyl-d14	20.03	244	1369493	119.07	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.36	79	5050	2.041	ng	# 53
19) n-Nitroso-di-n-propylamine	9.20	70	42972	16.941	ng	# 69
49) Dimethylphthalate	14.12	163	26887	2.992	ng	# 98
50) 2,6-Dinitrotoluene	14.67	165	14181	7.233	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	14181	5.184	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	9778	2.912	ng	# 1
76) Benzidine	20.02	184	24086	2.635	ng	# 93

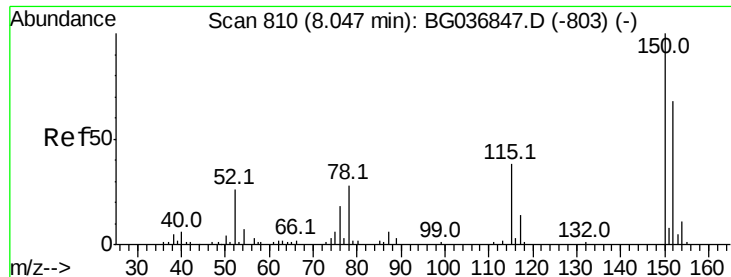
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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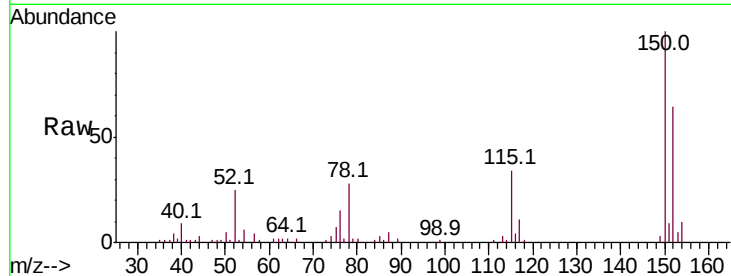


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BG036904.D
 Acq: 22 Sep 2018 22:43

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	119.5	179.3
115	53.4	44.5	66.7

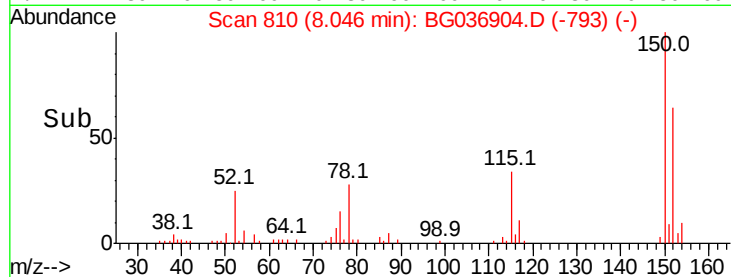
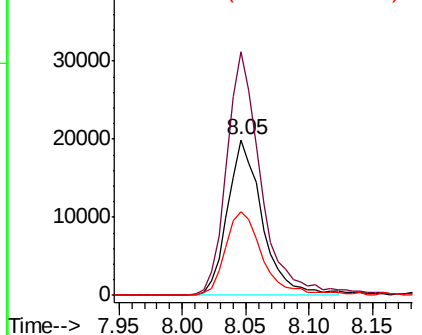


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

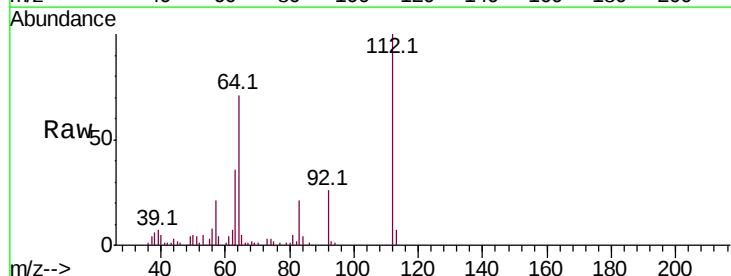
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 45.390 ng
 RT: 5.62 min Scan# 397
 Delta R.T. -0.00 min
 Lab File: BG036904.D
 Acq: 22 Sep 2018 22:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.7	57.2	85.8
63	36.2	30.8	46.2

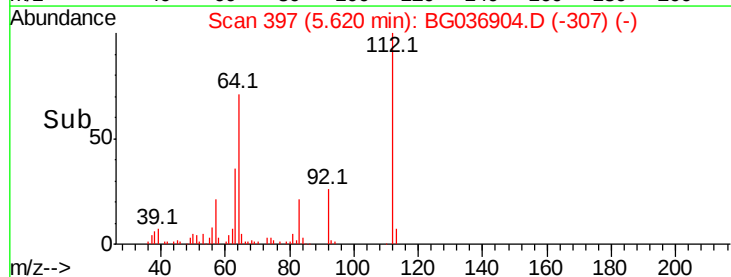
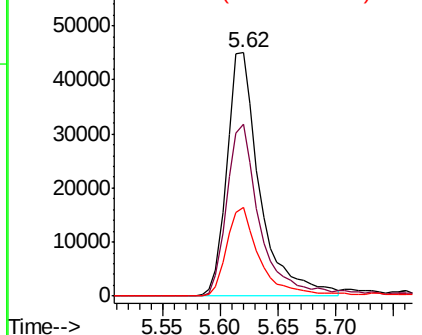


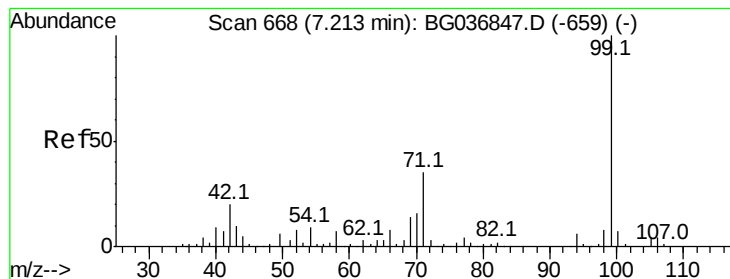
Abundance

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: 24.381 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036904.D

Acq: 22 Sep 2018 22:43

Instrument :

BNA_G

ClientSampled :

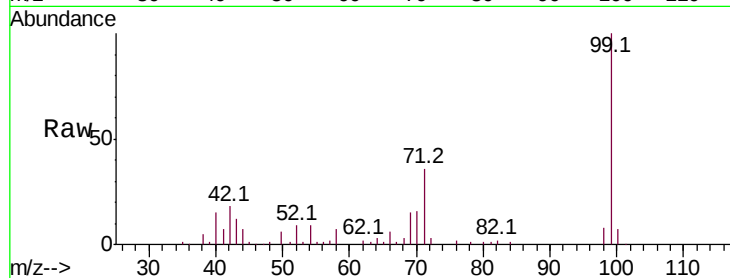
Tot Ion: 99 Resp: 74340

Ion Ratio Lower Upper

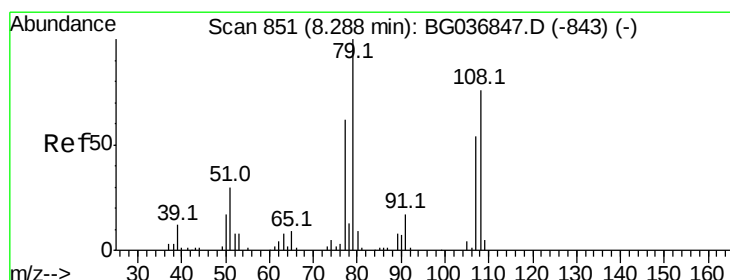
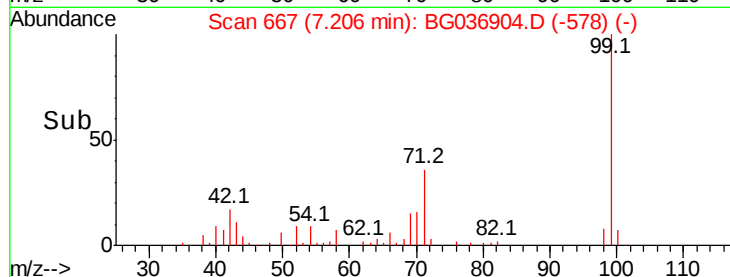
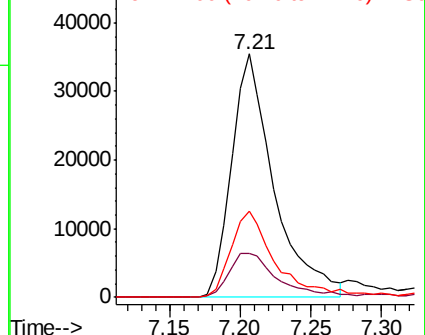
99 100

42 17.9 16.5 24.7

71 35.5 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



#15

Benzyl Alcohol

Concen: 2.041 ng

RT: 8.36 min Scan# 864

Delta R.T. 0.08 min

Lab File: BG036904.D

Acq: 22 Sep 2018 22:43

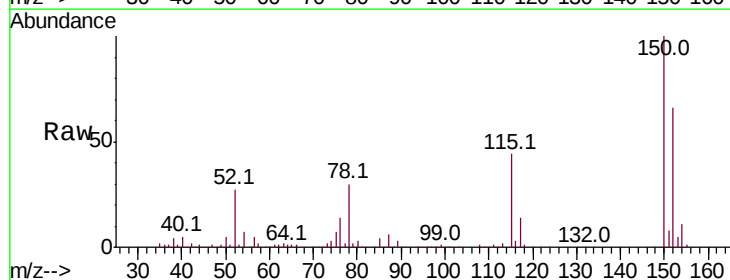
Tgt Ion: 79 Resp: 5050

Ion Ratio Lower Upper

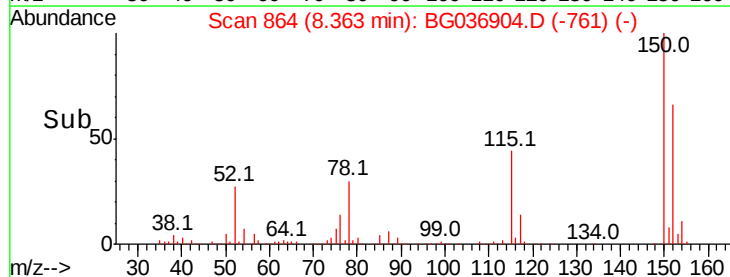
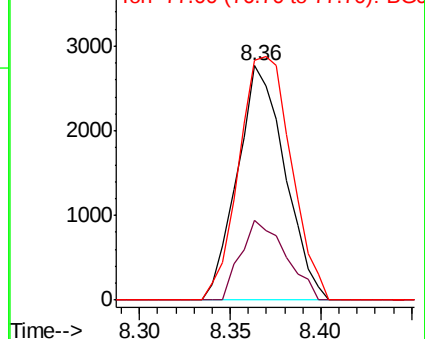
79 100

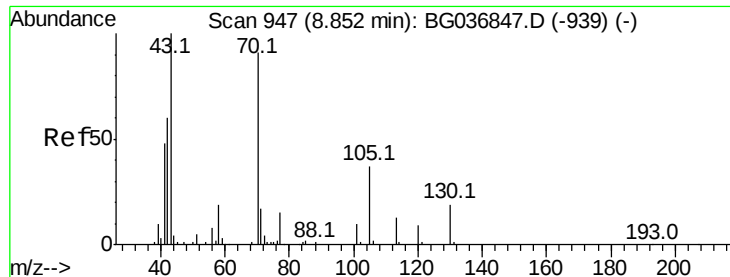
108 34.1 55.9 83.9#

77 102.0 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

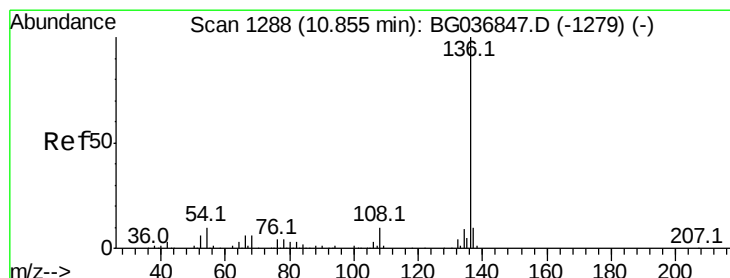
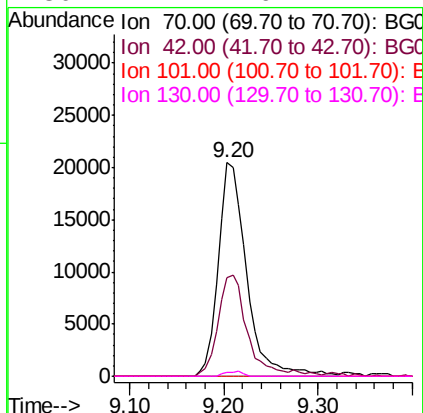
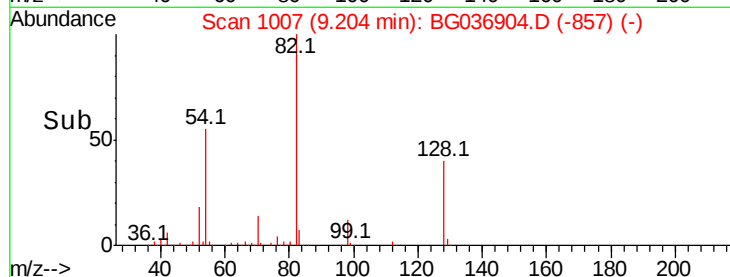
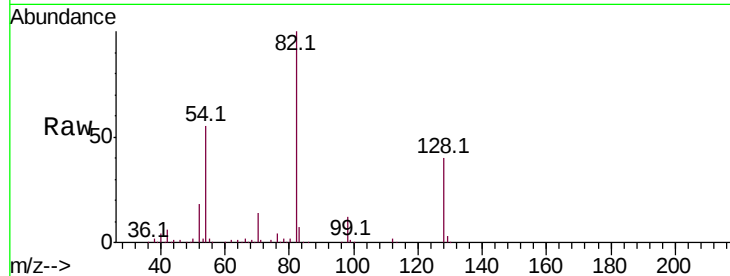




#19
n-Nitroso-di-n-propylamine
Concen: 16.941 ng
RT: 9.20 min Scan# 1007
Delta R.T. 0.35 min
Lab File: BG036904.D
Acq: 22 Sep 2018 22:43

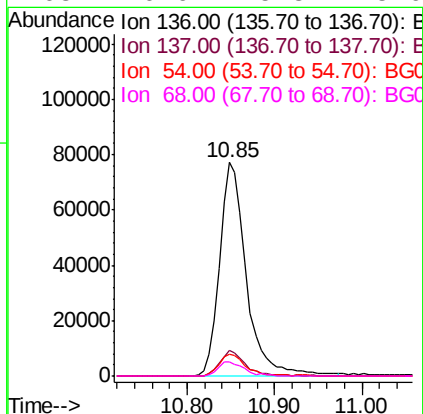
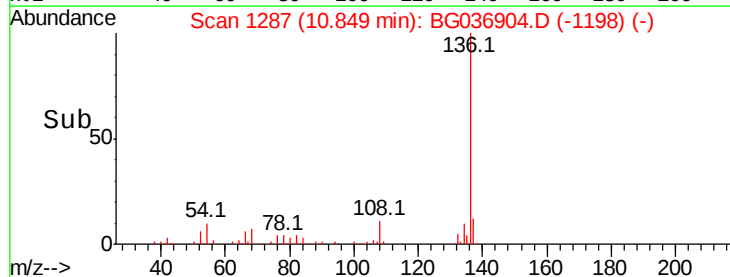
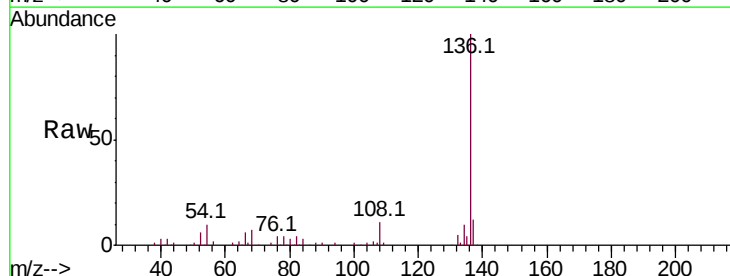
Instrument :
BNA_G
ClientSampleId :

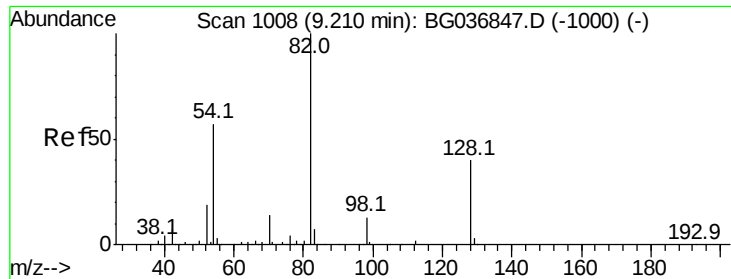
Tot Ion: 70 Resp: 42972
Ion Ratio Lower Upper
70 100
42 46.4 56.2 84.4#
101 0.0 7.8 11.6#
130 1.7 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036904.D
Acq: 22 Sep 2018 22:43

Tgt Ion:136 Resp: 163304
Ion Ratio Lower Upper
136 100
137 12.1 8.8 13.2
54 10.2 9.2 13.8
68 6.6 5.8 8.6

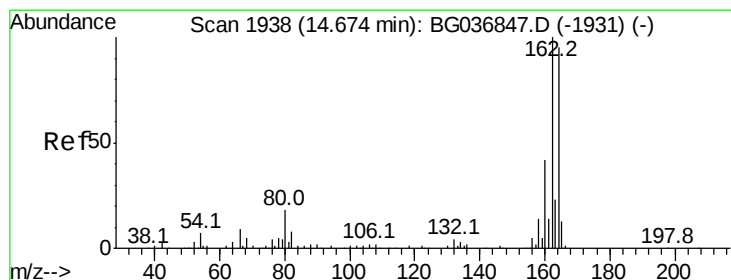
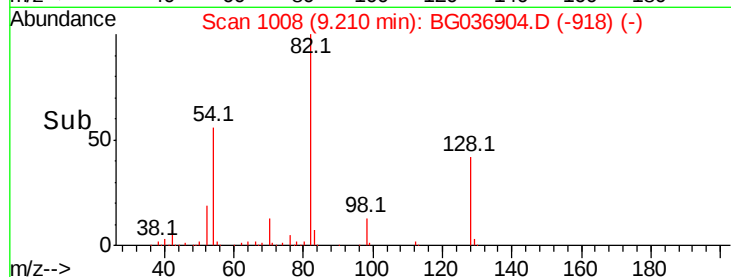
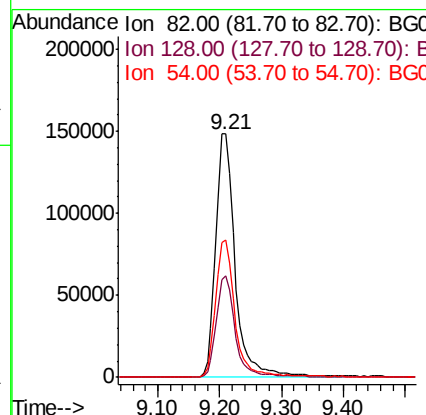
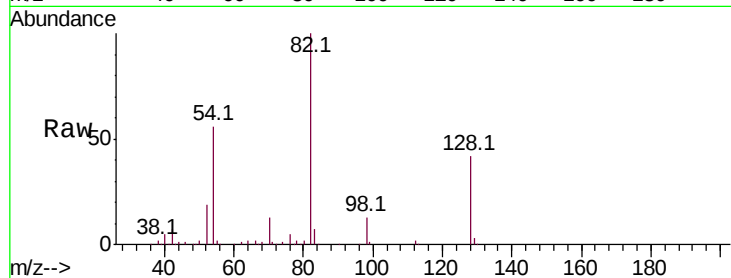




#23
 Nitrobenzene-d5
 Concen: 106.758 ng
 RT: 9.21 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: BG036904.D
 Acq: 22 Sep 2018 22:43

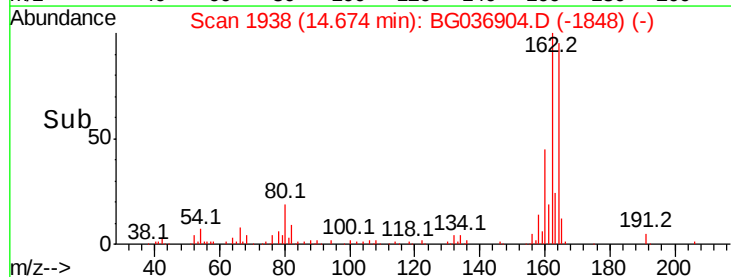
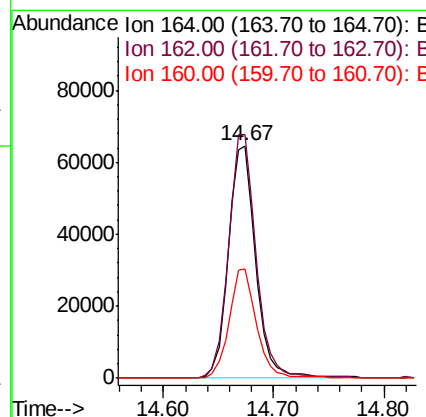
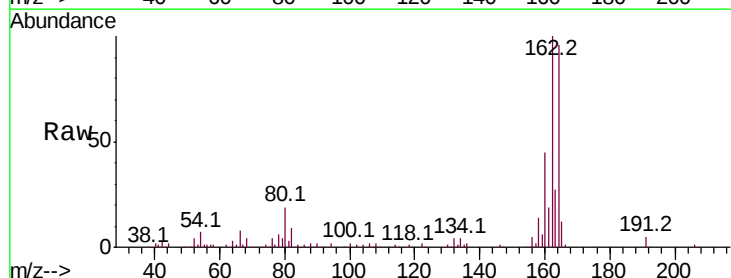
Instrument :
 BNA_G
 ClientSampled :

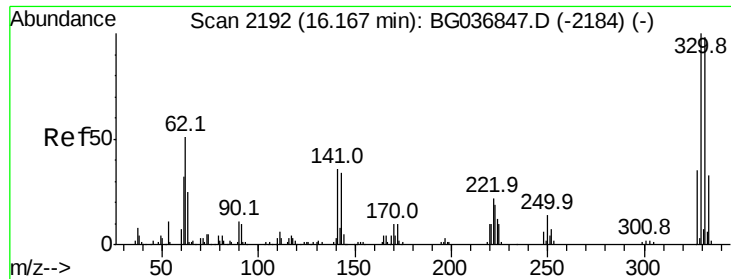
Tot Ion	82	Resp	325558
Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.3	49.9
54	56.3	45.1	67.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: BG036904.D
 Acq: 22 Sep 2018 22:43

Tgt Ion	164	Resp	111637
Ion	Ratio	Lower	Upper
164	100		
162	104.6	80.7	121.1
160	46.9	35.3	52.9





#41

2,4,6-Tribromophenol

Concen: 110.414 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036904.D

Acq: 22 Sep 2018 22:43

Instrument :

BNA_G

ClientSampled :

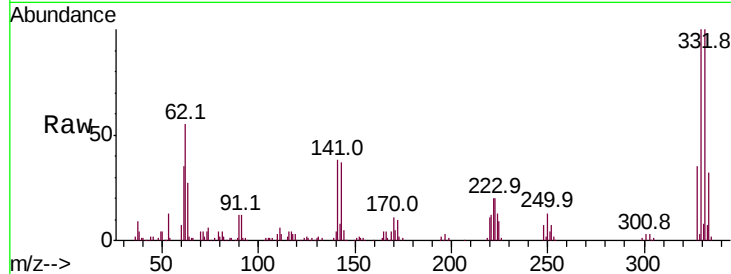
Tot Ion:330 Resp: 147476

Ion Ratio Lower Upper

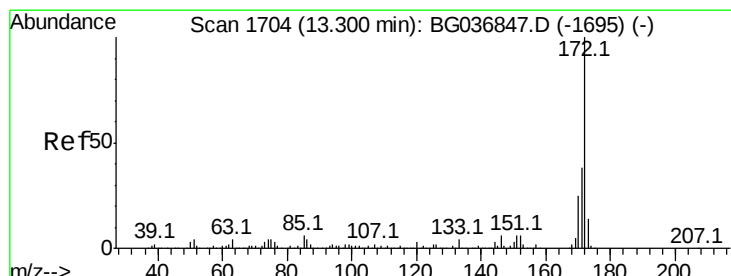
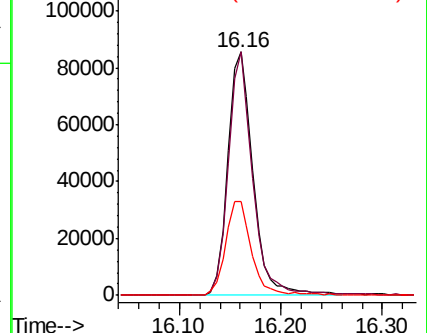
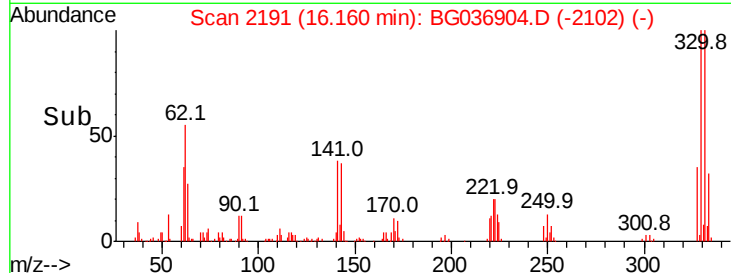
330 100

332 95.8 75.4 113.2

141 40.2 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: 105.645 ng

RT: 13.29 min Scan# 1703

Delta R.T. -0.01 min

Lab File: BG036904.D

Acq: 22 Sep 2018 22:43

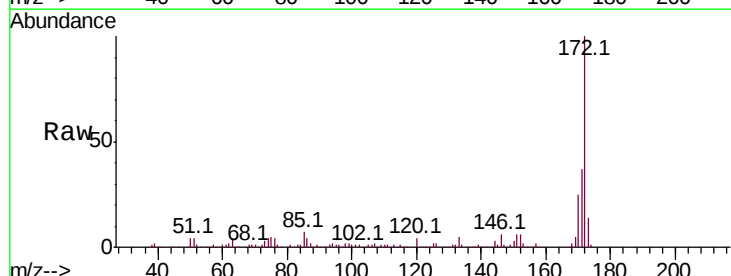
Tgt Ion:172 Resp: 791863

Ion Ratio Lower Upper

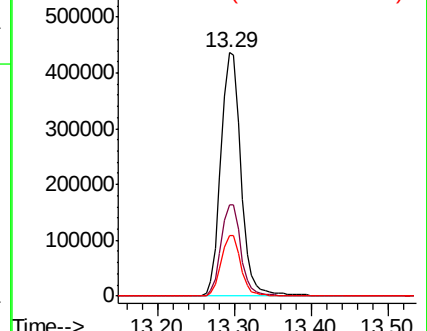
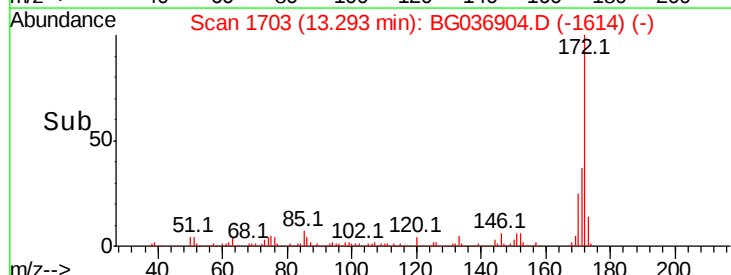
172 100

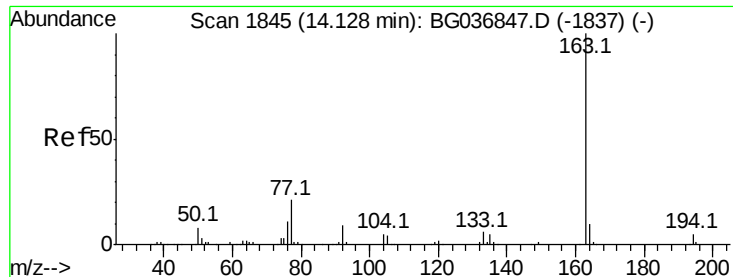
171 37.5 31.3 46.9

170 24.6 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

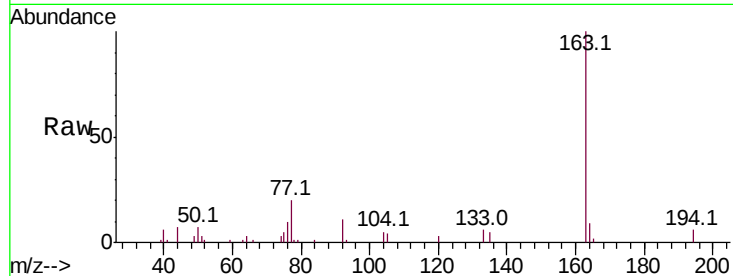




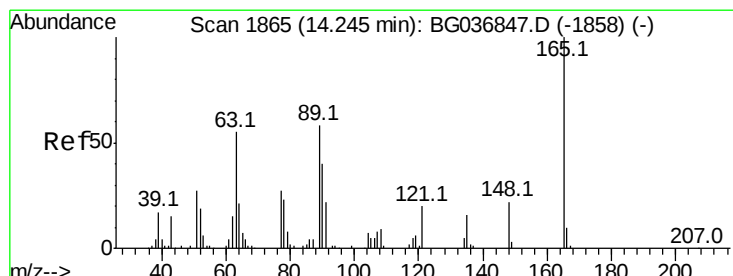
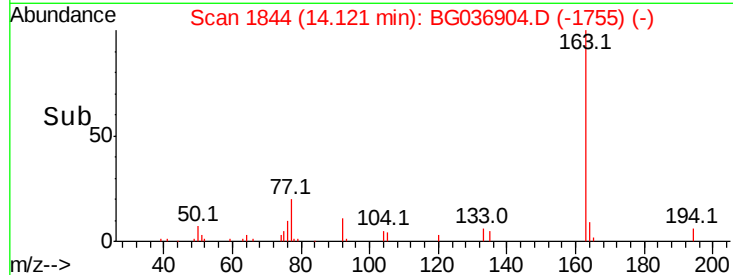
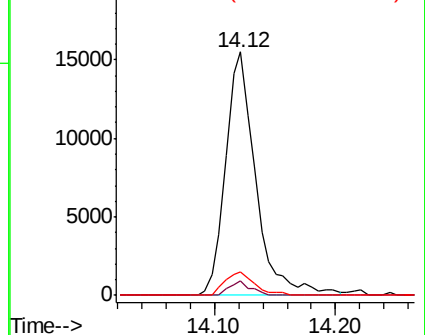
#49
Dimethylphthalate
Concen: 2.992 ng
RT: 14.12 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BG036904.D
Acq: 22 Sep 2018 22:43

Instrument :
BNA_G
ClientSampled :

Tot Ion:163 Resp: 26887
Ion Ratio Lower Upper
163 100
194 5.9 4.0 6.0
164 9.5 8.1 12.1

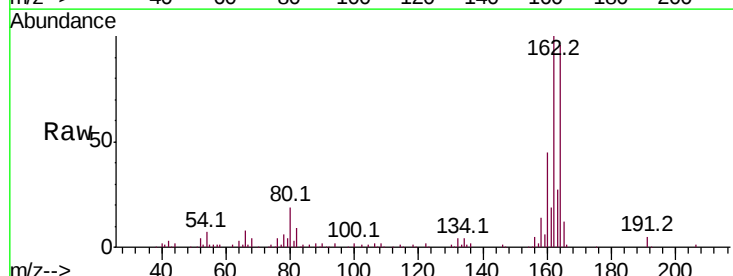


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

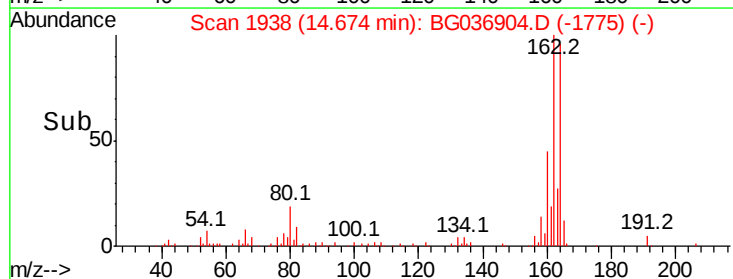
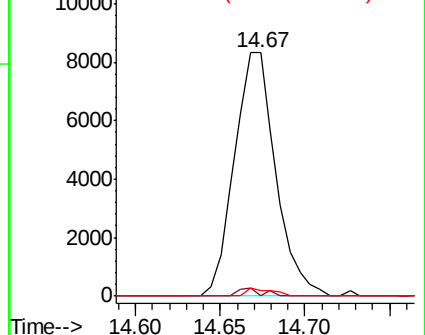


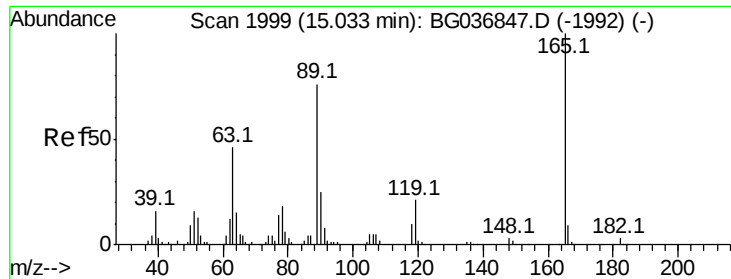
#50
2,6-Dinitrotoluene
Concen: 7.233 ng
RT: 14.67 min Scan# 1938
Delta R.T. 0.43 min
Lab File: BG036904.D
Acq: 22 Sep 2018 22:43

Tgt Ion:165 Resp: 14181
Ion Ratio Lower Upper
165 100
63 0.0 50.1 75.1#
89 2.0 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

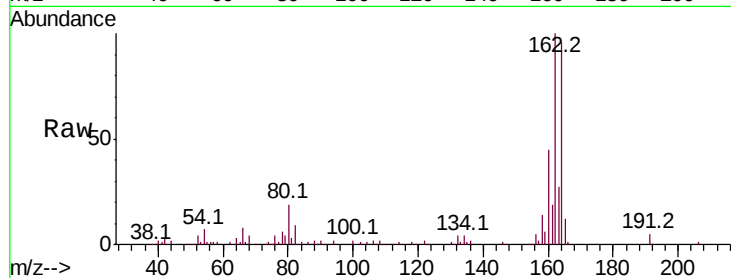




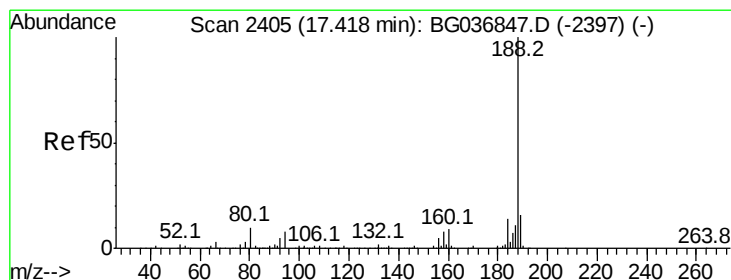
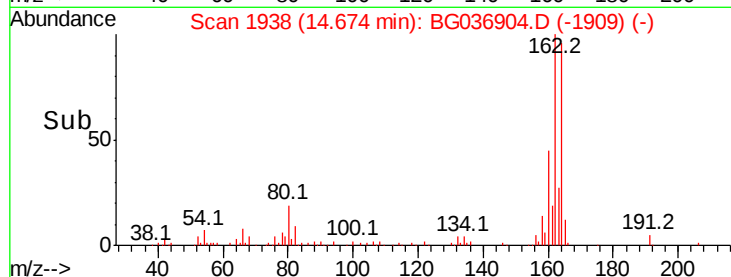
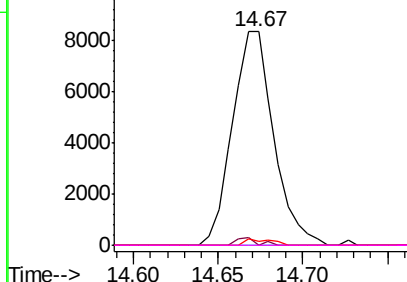
#56
2,4-Dinitrotoluene
Concen: 5.184 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.36 min
Lab File: BG036904.D
Acq: 22 Sep 2018 22:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 14181
Ion Ratio Lower Upper
165 100
63 0.0 40.1 60.1#
89 2.0 63.7 95.5#
182 0.0 2.5 3.7#

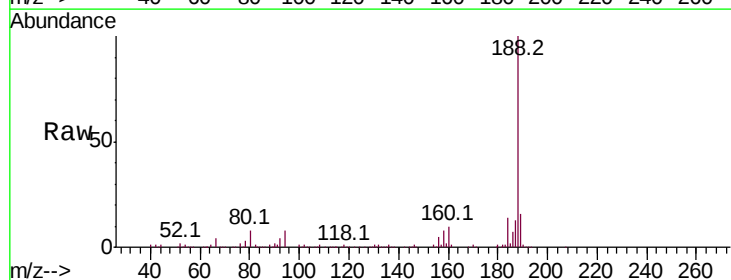


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

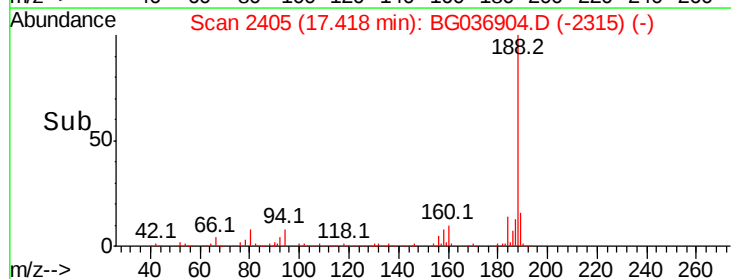
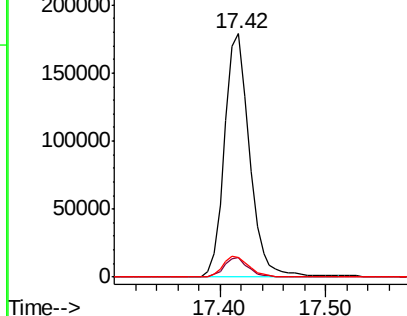


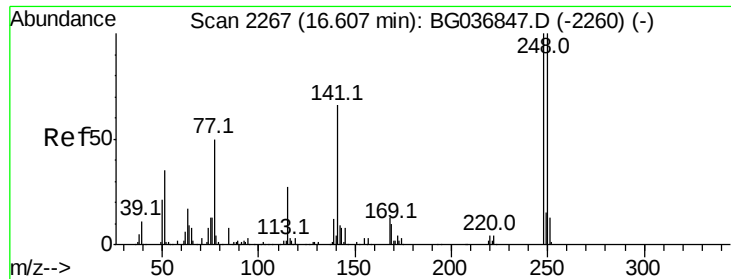
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2405
Delta R.T. -0.00 min
Lab File: BG036904.D
Acq: 22 Sep 2018 22:43

Tgt Ion:188 Resp: 295246
Ion Ratio Lower Upper
188 100
94 7.9 6.7 10.1
80 8.0 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

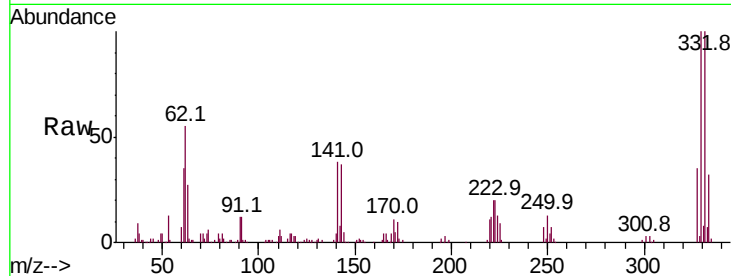




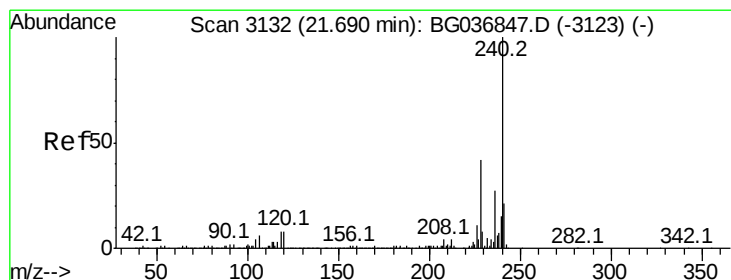
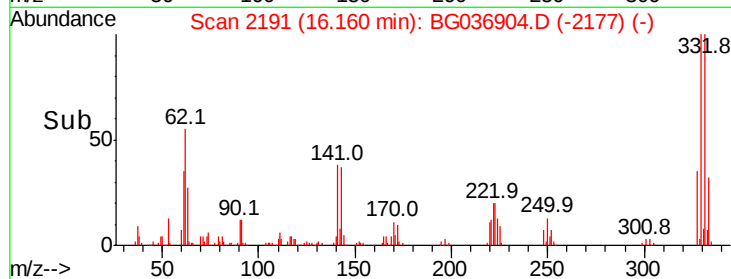
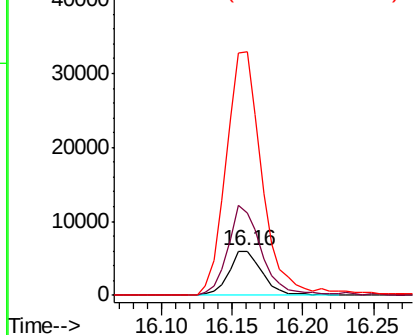
#66
 4-Bromophenyl-phenylether
 Concen: 2.912 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.45 min
 Lab File: BG036904.D
 Acq: 22 Sep 2018 22:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 9778
 Ion Ratio Lower Upper
 248 100
 250 187.9 78.1 117.1#
 141 554.1 53.7 80.5#

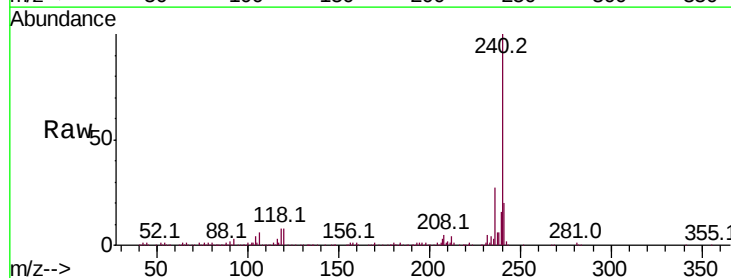


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

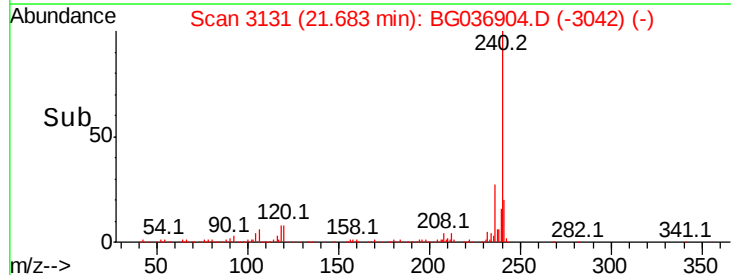
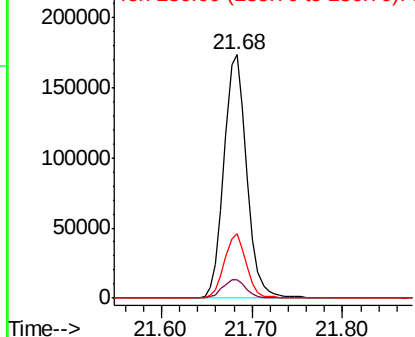


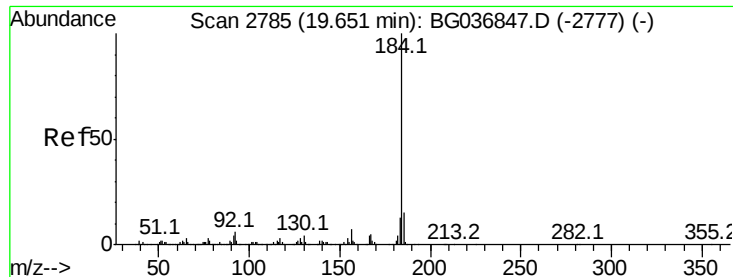
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BG036904.D
 Acq: 22 Sep 2018 22:43

Tgt Ion:240 Resp: 302432
 Ion Ratio Lower Upper
 240 100
 120 7.7 6.9 10.3
 236 26.6 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: 2.635 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036904.D

Acq: 22 Sep 2018 22:43

Instrument :

BNA_G

ClientSampleId :

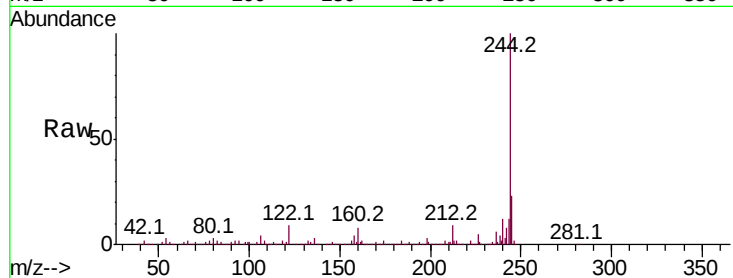
Tot Ion:184 Resp: 24086

Ion Ratio Lower Upper

184 100

185 16.7 12.6 18.8

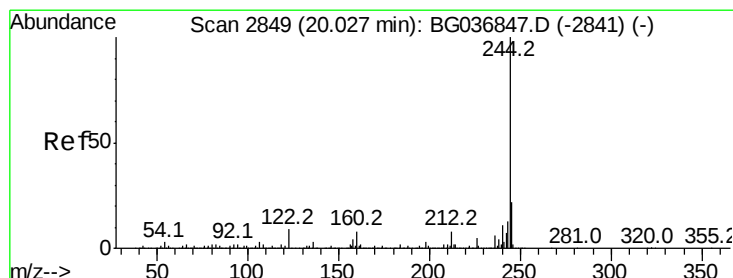
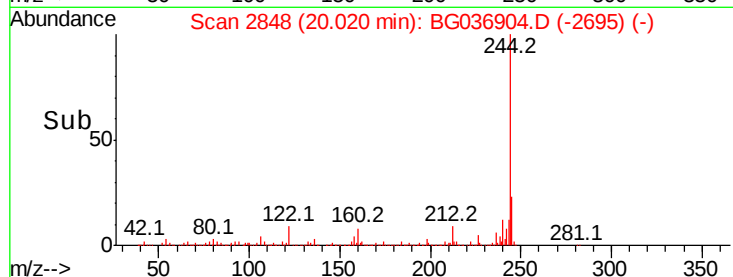
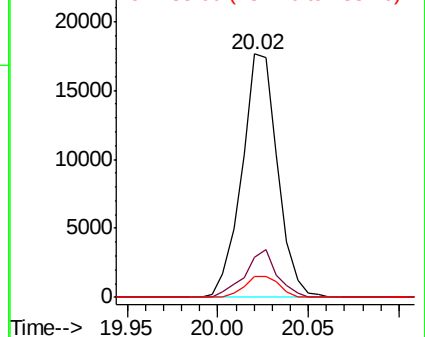
183 8.8 10.9 16.3#



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: 119.070 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036904.D

Acq: 22 Sep 2018 22:43

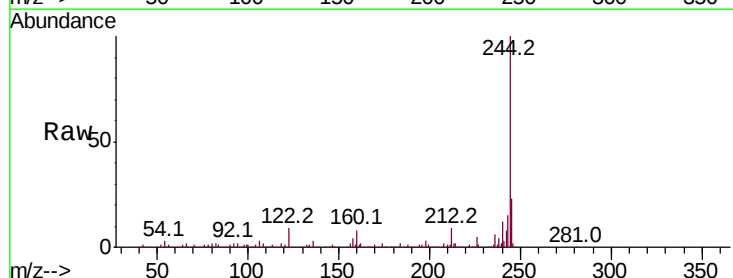
Tgt Ion:244 Resp: 1369493

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.6

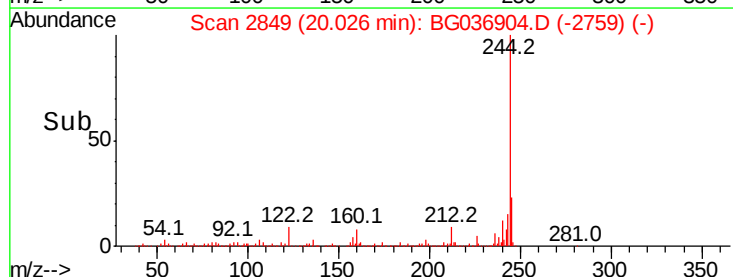
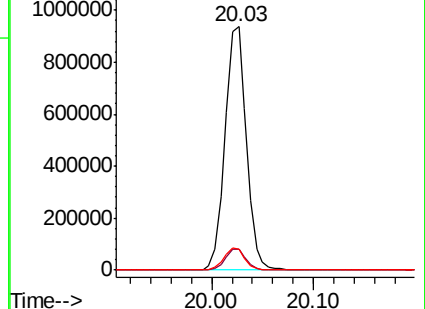
122 8.7 7.1 10.7

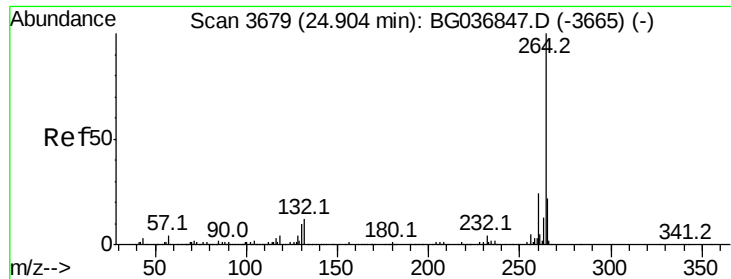


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

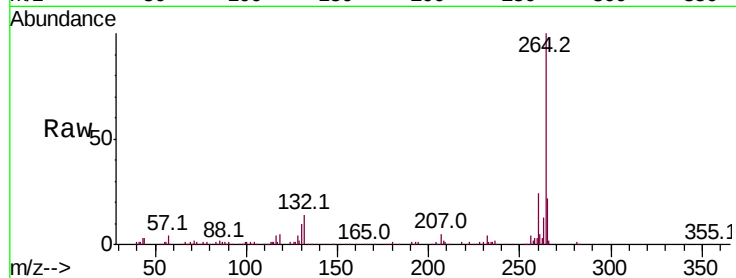




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3677
Delta R.T. -0.01 min
Lab File: BG036904.D
Acq: 22 Sep 2018 22:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.6	29.4
265	22.5	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

