

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091918\
 Data File : BG036830.D
 Acq On : 19 Sep 2018 21:55
 Operator : JU/SJ
 Sample : J4973-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 20 07:07:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 31 13:03:20 2018
 Response via : Initial Calibration

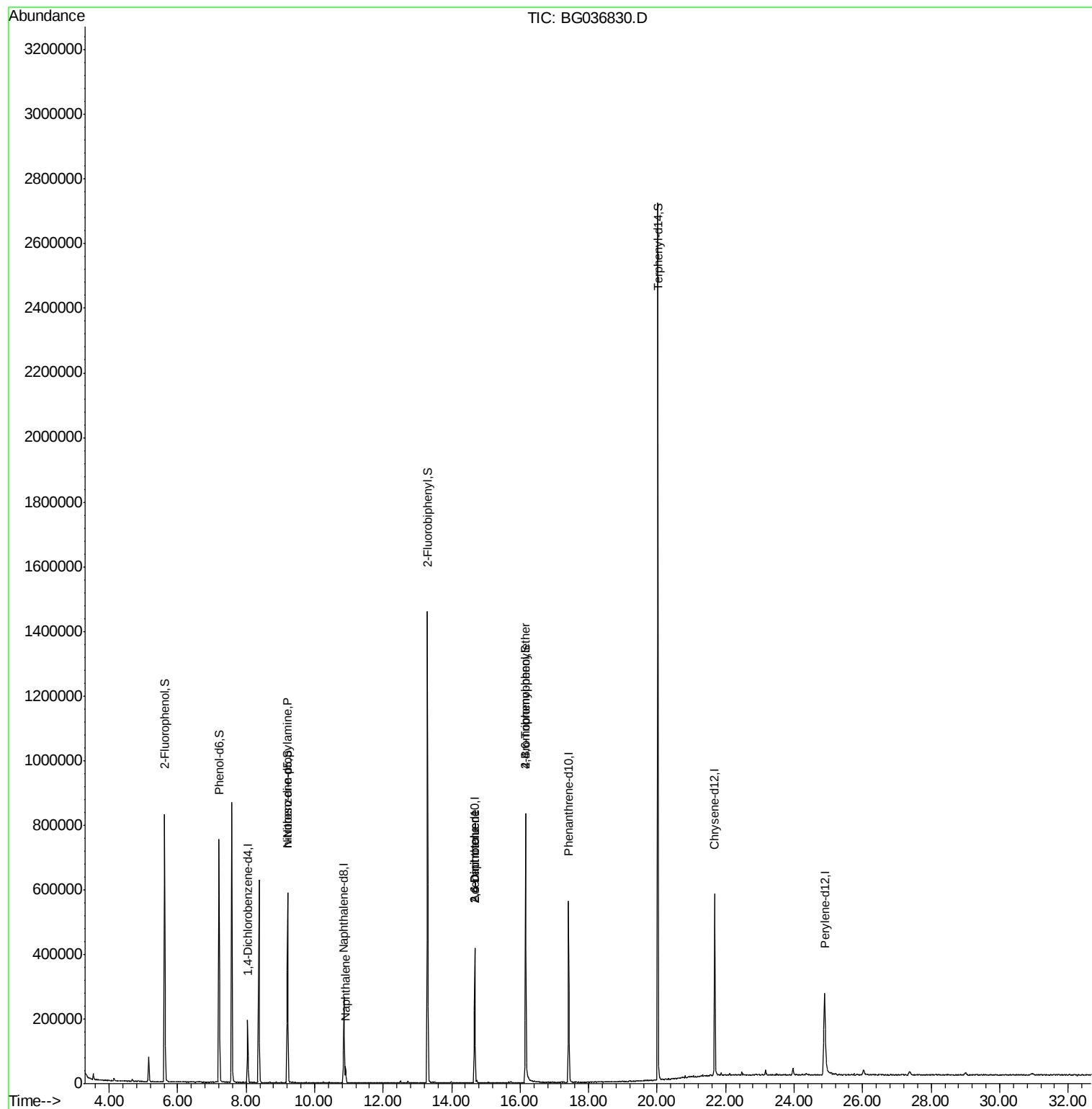
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	53323	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	223973	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	147221	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	358469	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	365647	20.00	ng	-0.01
86) Perylene-d12	24.89	264	344519	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	344028	102.34	ng	0.00
7) Phenol-d6	7.21	99	439509	91.32	ng	0.00
23) Nitrobenzene-d5	9.21	82	346156	83.86	ng	-0.01
41) 2,4,6-Tribromophenol	16.16	330	167247	95.21	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	749804	72.72	ng	-0.01
78) Terphenyl-d14	20.02	244	1277004	81.63	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	46364	12.890	ng	Qvalue # 71
31) Naphthalene	10.90	128	42778	3.821	ng	98
50) 2,6-Dinitrotoluene	14.67	165	18771	7.588	ng	# 23
56) 2,4-Dinitrotoluene	14.67	165	18771	5.822	ng	# 21
66) 4-Bromophenyl-phenylether	16.16	248	11694	2.786	ng	# 1

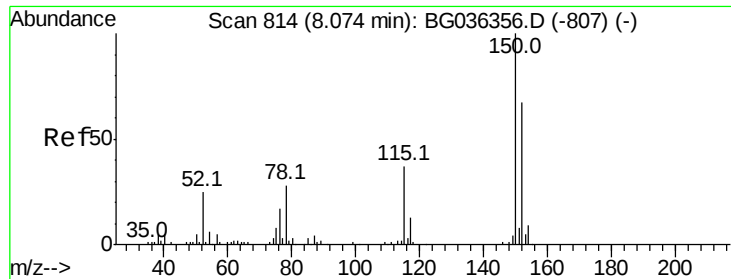
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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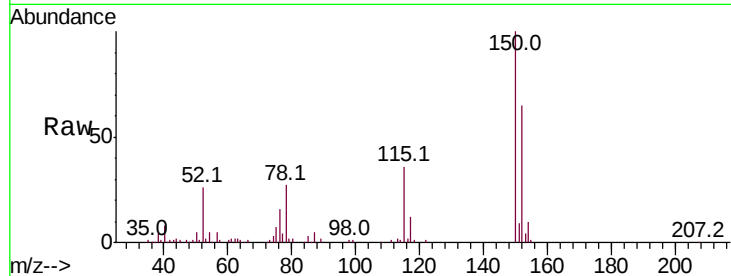


#1

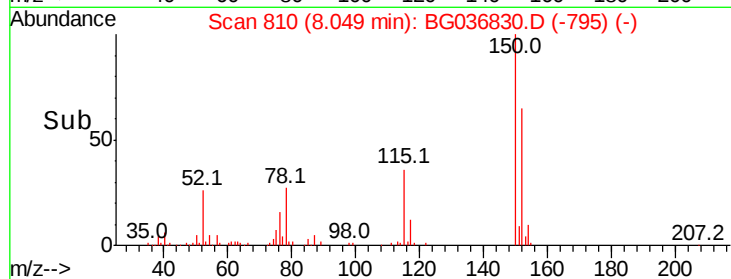
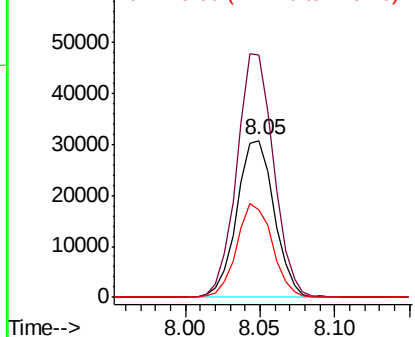
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. -0.01 min
Lab File: BG036830.D
Acq: 19 Sep 2018 21:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 53323
Ion Ratio Lower Upper
152 100
150 154.5 119.5 179.3
115 55.5 44.5 66.7



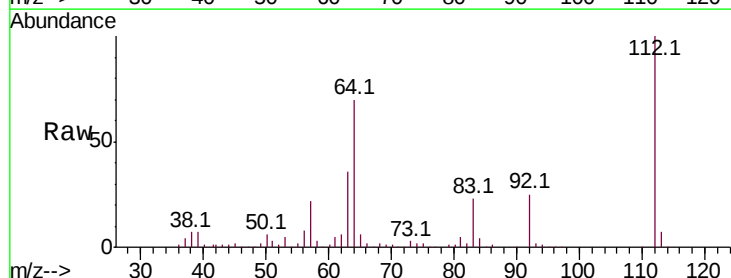
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



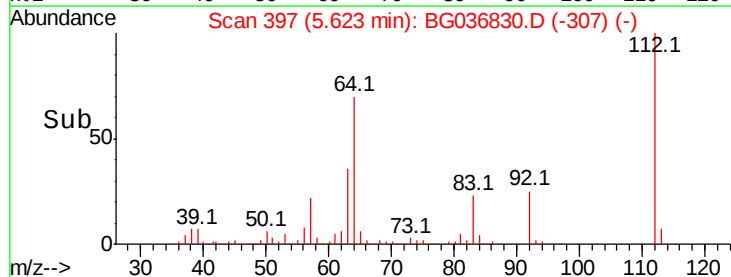
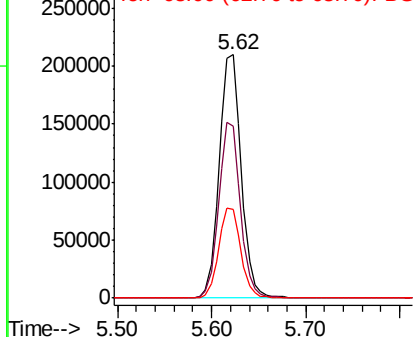
#5

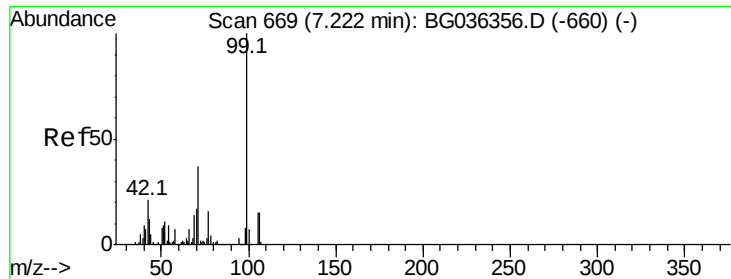
2-Fluorophenol
Concen: 102.344 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.00 min
Lab File: BG036830.D
Acq: 19 Sep 2018 21:55

Tgt Ion:112 Resp: 344028
Ion Ratio Lower Upper
112 100
64 70.4 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: 91.321 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036830.D

Acq: 19 Sep 2018 21:55

Instrument :

BNA_G

ClientSampleId :

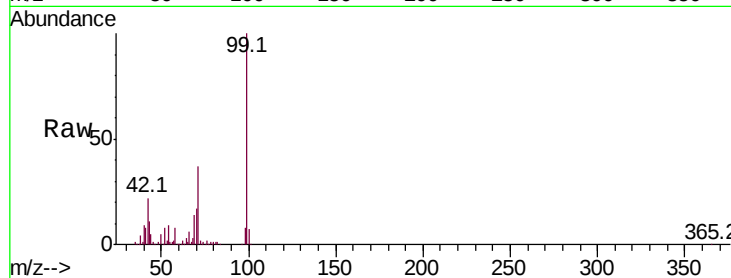
Tot Ion: 99 Resp: 439509

Ion Ratio Lower Upper

99 100

42 21.5 16.5 24.7

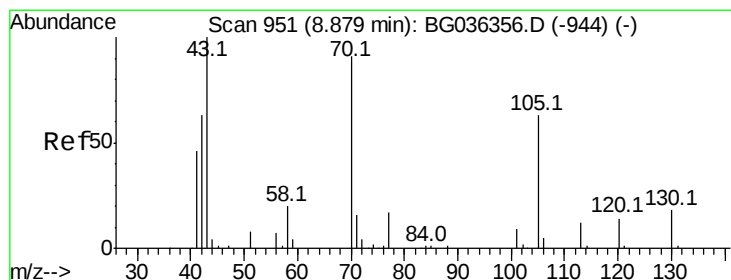
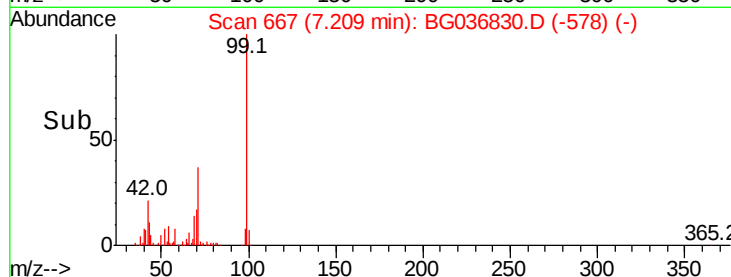
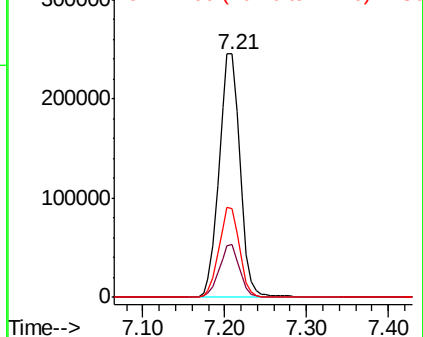
71 36.6 29.4 44.2



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: 12.890 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.34 min

Lab File: BG036830.D

Acq: 19 Sep 2018 21:55

Tgt Ion: 70 Resp: 46364

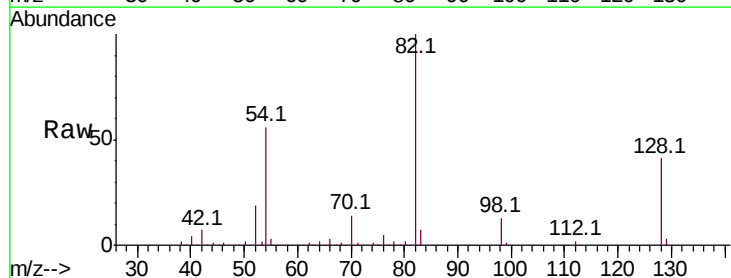
Ion Ratio Lower Upper

70 100

42 48.7 56.2 84.4#

101 0.0 7.8 11.6#

130 2.1 16.2 24.2#

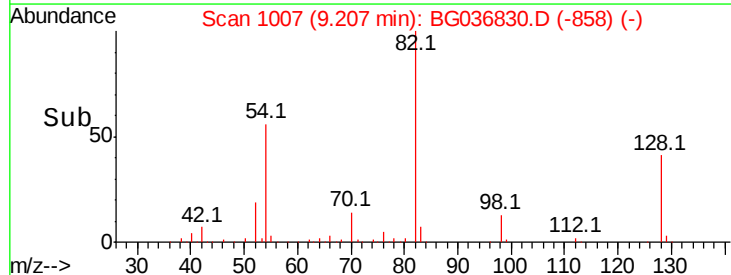
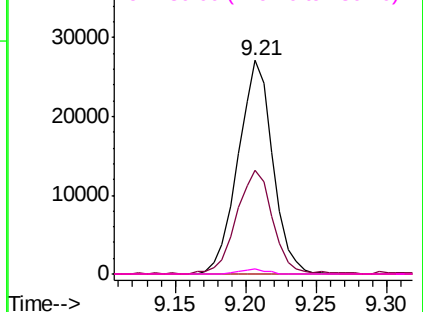


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

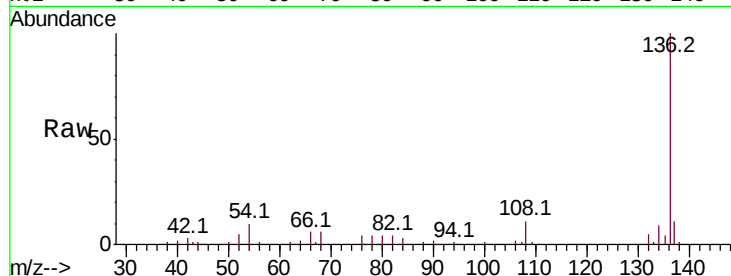




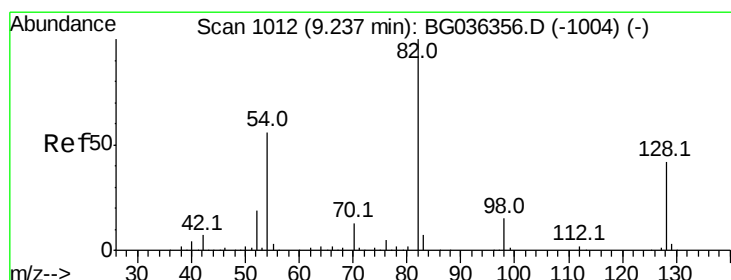
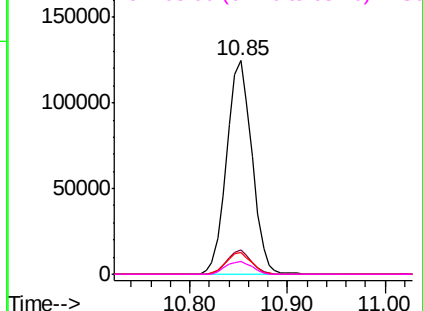
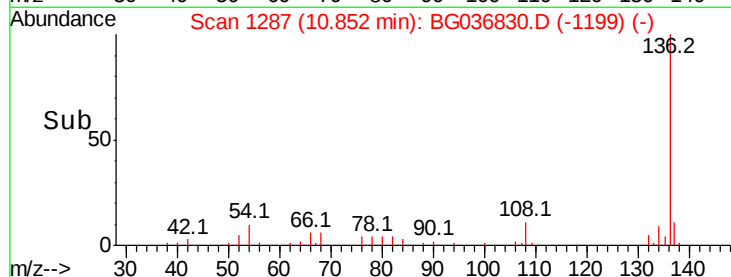
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036830.D
Acq: 19 Sep 2018 21:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	223973
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	10.0	9.2	13.8
68	6.3	5.8	8.6

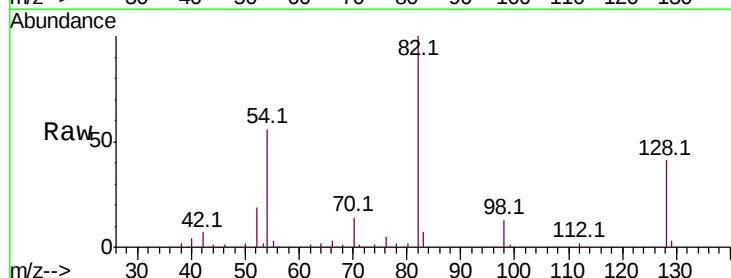


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

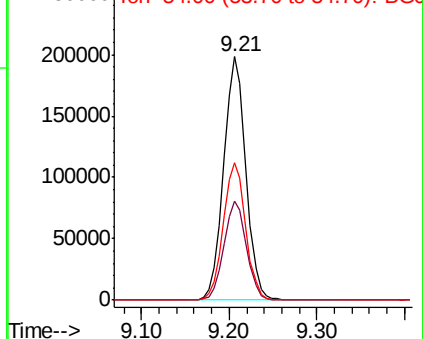
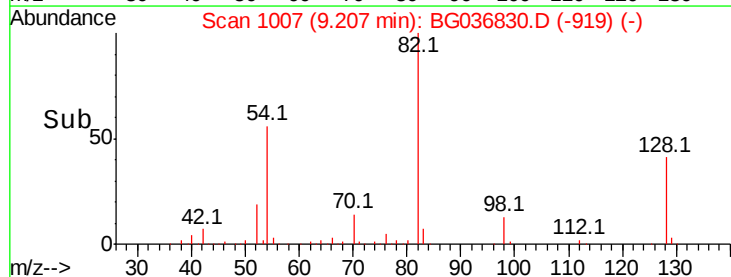


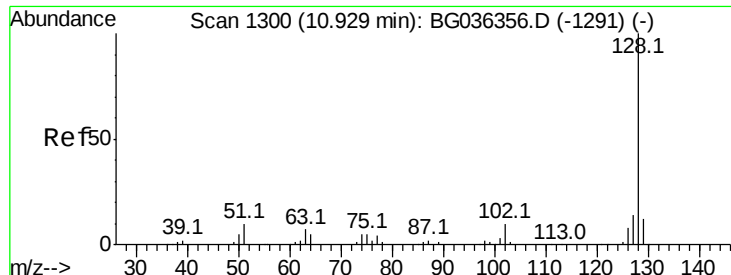
#23
Nitrobenzene-d5
Concen: 83.855 ng
RT: 9.21 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG036830.D
Acq: 19 Sep 2018 21:55

Tgt Ion:	82	Resp:	346156
Ion	Ratio	Lower	Upper
82	100		
128	40.8	33.3	49.9
54	56.3	45.1	67.7



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG

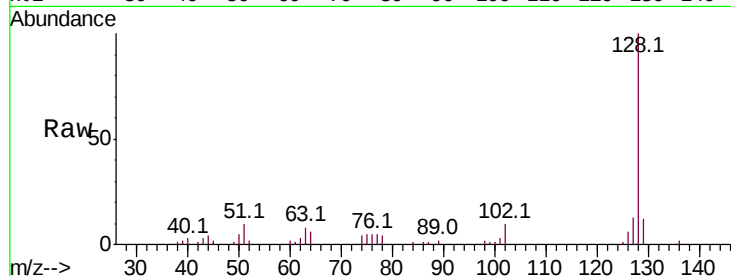




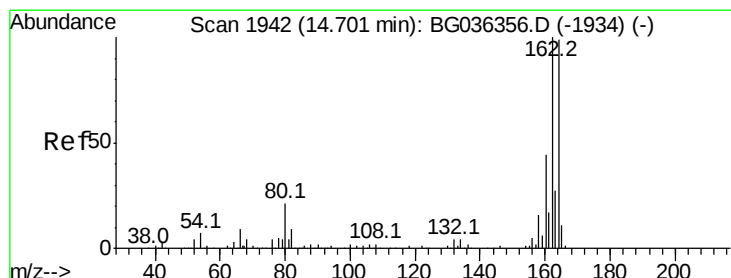
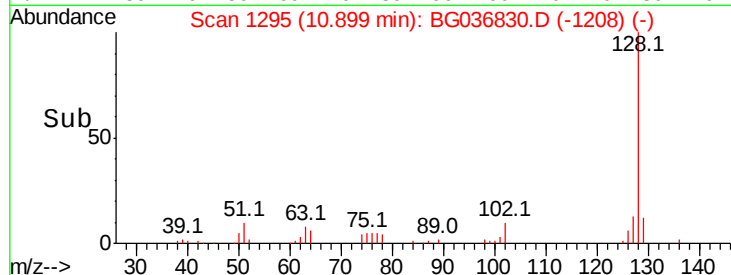
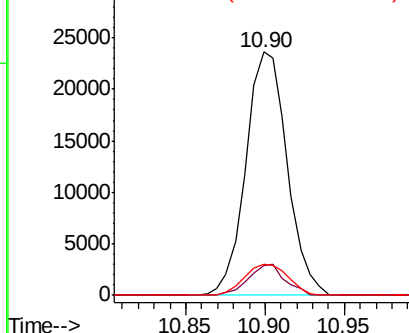
#31
Naphthalene
Concen: 3.821 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BG036830.D
Acq: 19 Sep 2018 21:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 42778
Ion Ratio Lower Upper
128 100
129 12.2 9.4 14.2
127 12.9 11.0 16.4

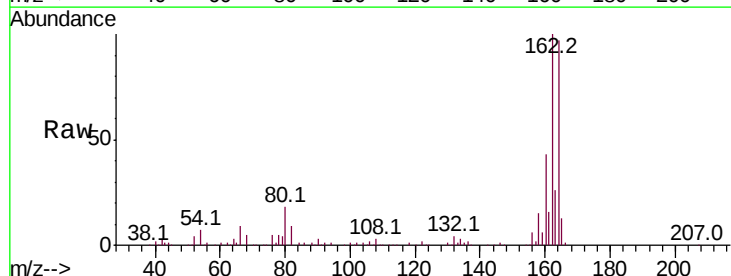


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

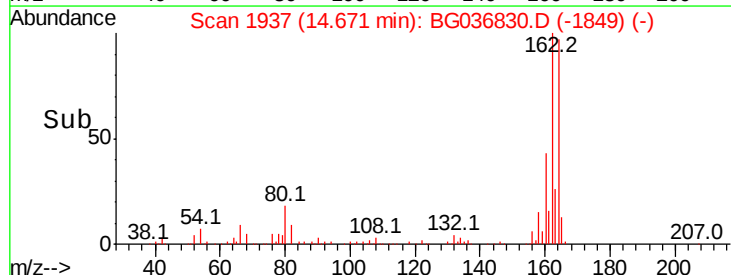
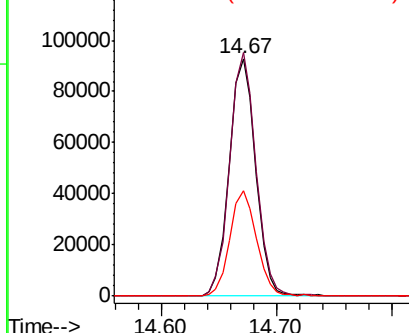


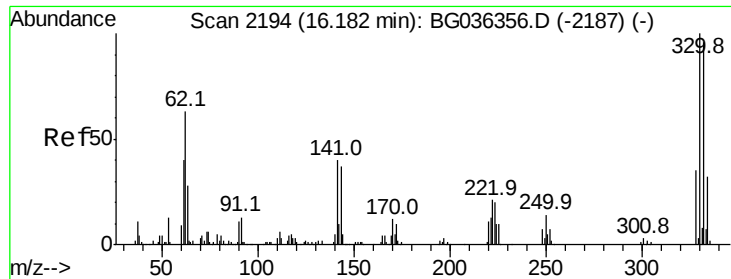
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BG036830.D
Acq: 19 Sep 2018 21:55

Tgt Ion:164 Resp: 147221
Ion Ratio Lower Upper
164 100
162 102.6 80.7 121.1
160 44.3 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

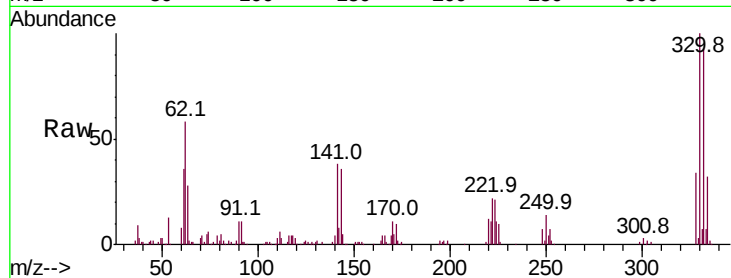




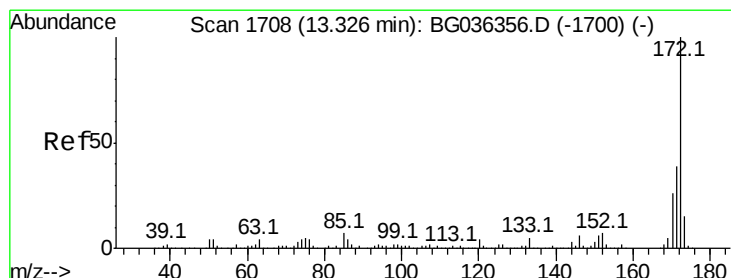
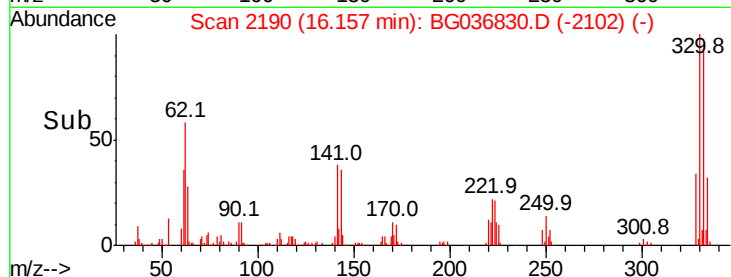
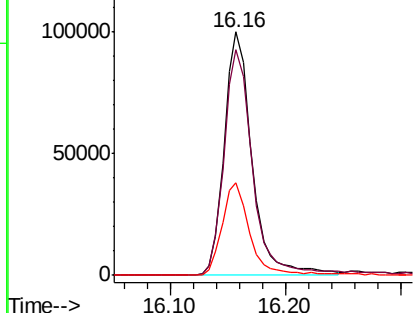
#41
 2,4,6-Tribromophenol
 Concen: 95.207 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: BG036830.D
 Acq: 19 Sep 2018 21:55

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	75.4	113.2
141	37.8	30.7	46.1

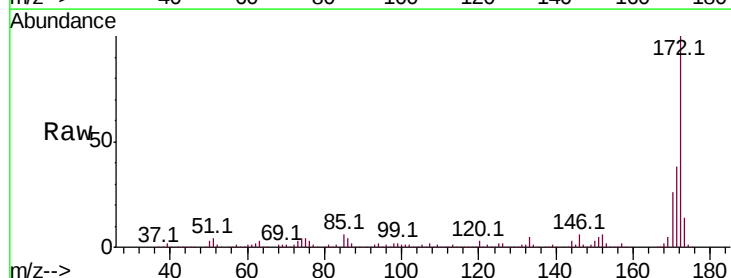


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

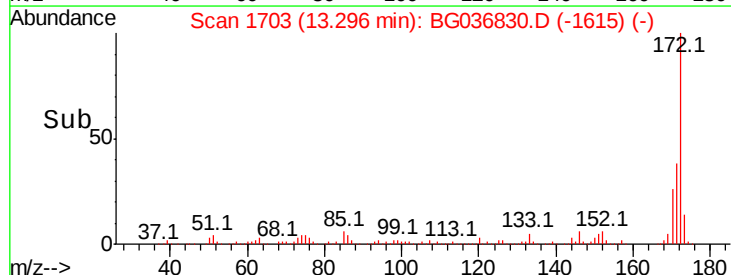
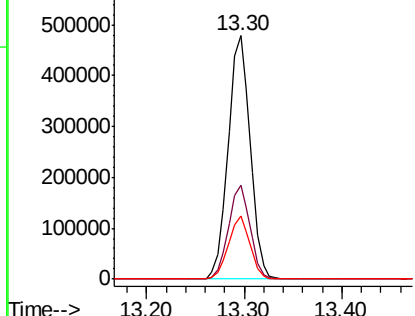


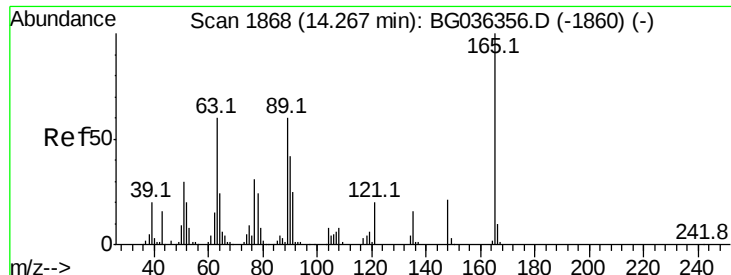
#44
 2-Fluorobiphenyl
 Concen: 72.720 ng
 RT: 13.30 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036830.D
 Acq: 19 Sep 2018 21:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	31.3	46.9
170	25.7	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

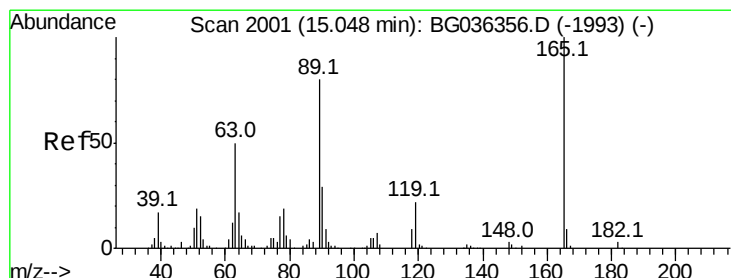
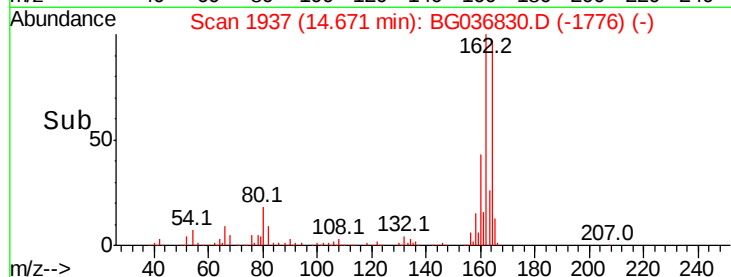
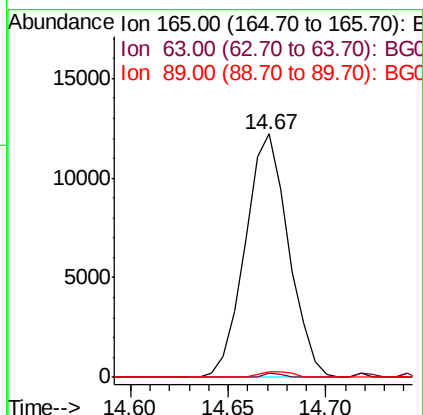
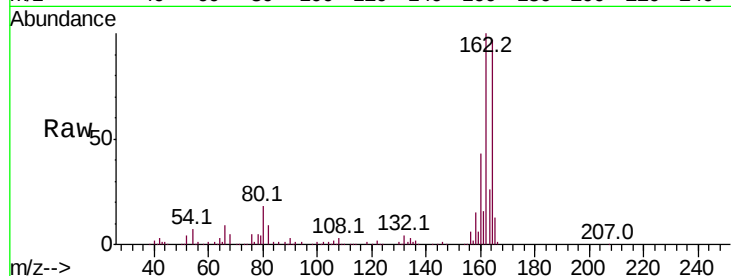




#50
 2,6-Dinitrotoluene
 Concen: 7.588 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.41 min
 Lab File: BG036830.D
 Acq: 19 Sep 2018 21:55

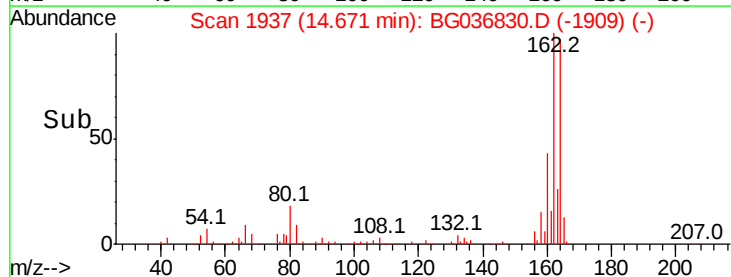
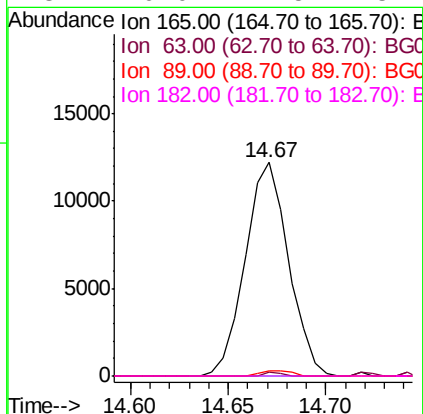
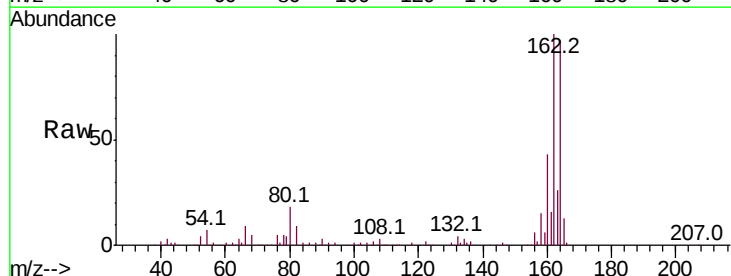
Instrument :
 BNA_G
 ClientSampleId :

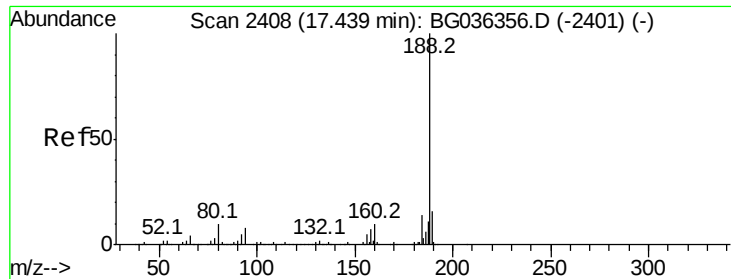
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	50.1	75.1#
89	2.5	47.8	71.6#



#56
 2,4-Dinitrotoluene
 Concen: 5.822 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.37 min
 Lab File: BG036830.D
 Acq: 19 Sep 2018 21:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	40.1	60.1#
89	2.5	63.7	95.5#
182	0.0	2.5	3.7#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2404

Delta R.T. -0.01 min

Lab File: BG036830.D

Acq: 19 Sep 2018 21:55

Instrument :

BNA_G

ClientSampleId :

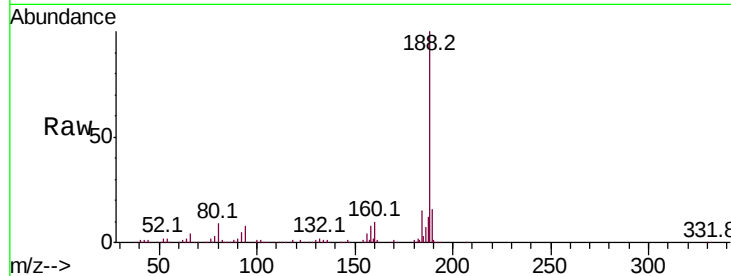
Tot Ion:188 Resp: 358469

Ion Ratio Lower Upper

188 100

94 7.6 6.7 10.1

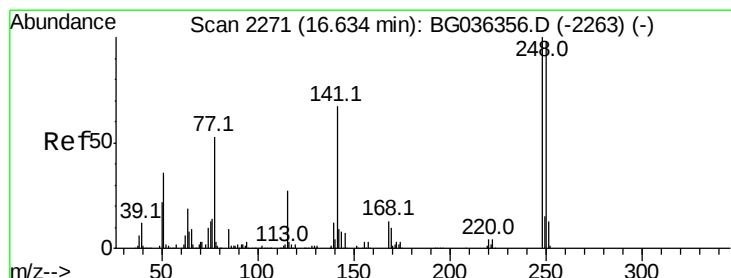
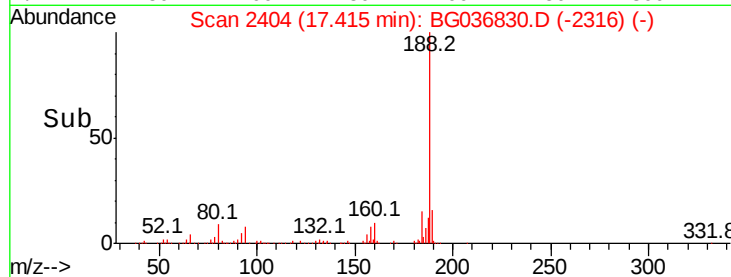
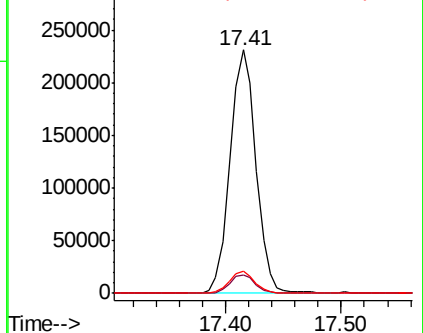
80 9.2 8.1 12.1



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: 2.786 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.46 min

Lab File: BG036830.D

Acq: 19 Sep 2018 21:55

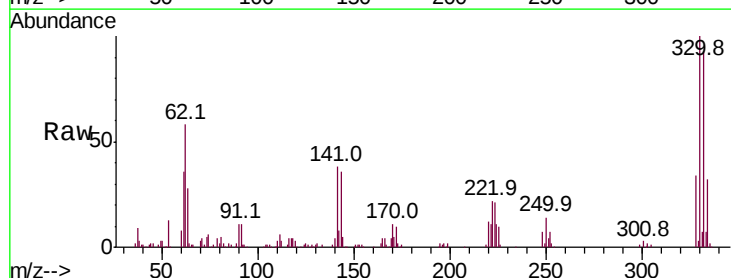
Tgt Ion:248 Resp: 11694

Ion Ratio Lower Upper

248 100

250 204.0 78.1 117.1#

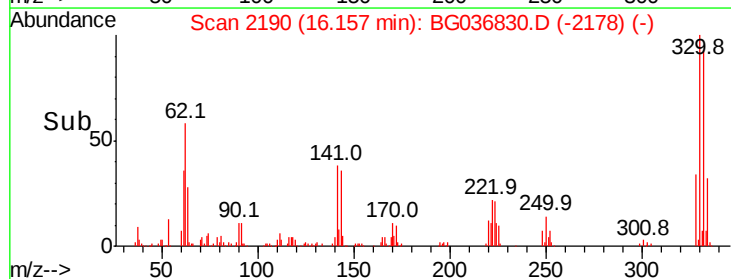
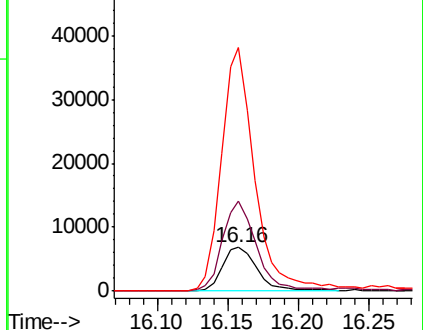
141 554.8 53.7 80.5#

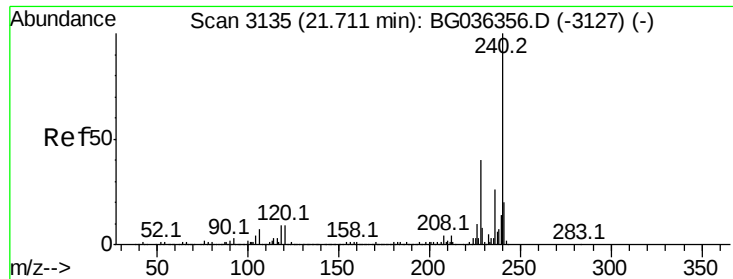


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG036830.D

Acq: 19 Sep 2018 21:55

Instrument :

BNA_G

ClientSampleId :

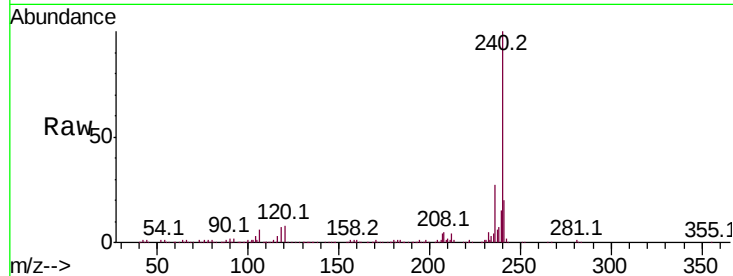
Tot Ion:240 Resp: 365647

Ion Ratio Lower Upper

240 100

120 8.3 6.9 10.3

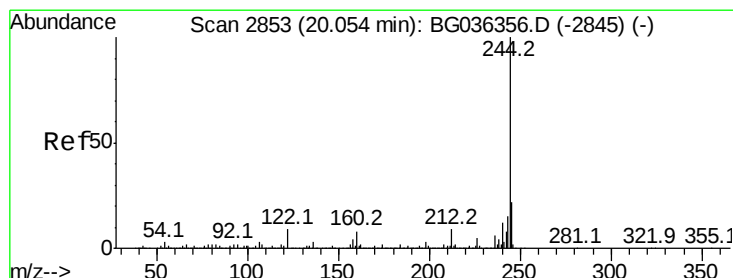
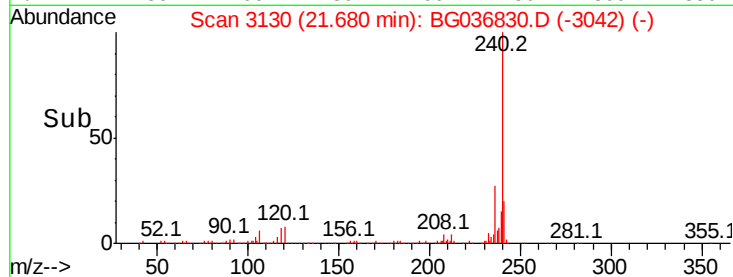
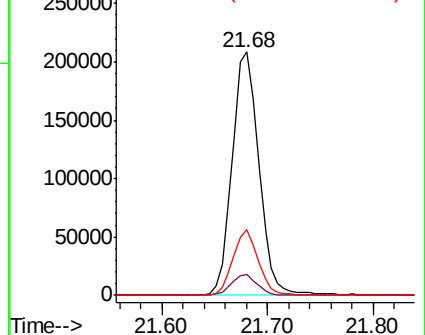
236 26.8 21.2 31.8



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



#78

Terphenyl-d14

Concen: 81.631 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036830.D

Acq: 19 Sep 2018 21:55

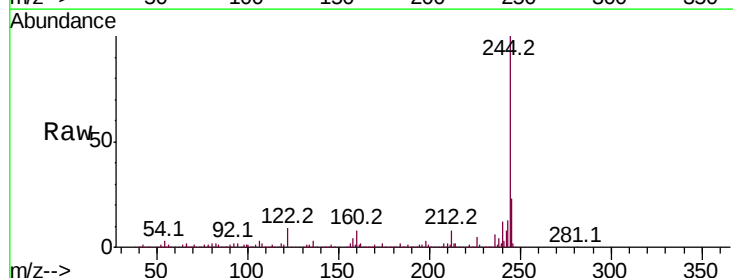
Tgt Ion:244 Resp: 1277004

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.6

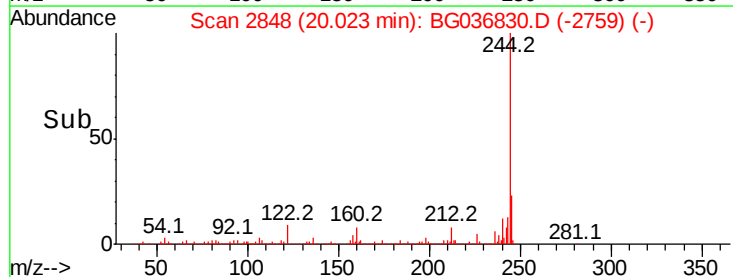
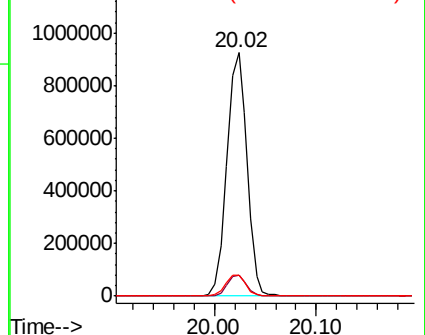
122 8.7 7.1 10.7

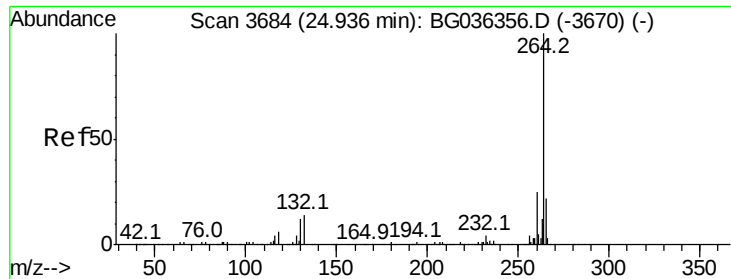


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

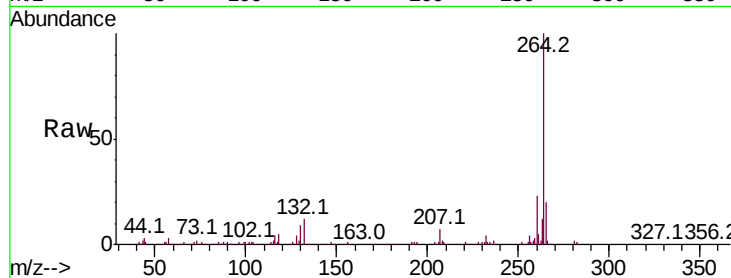




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3676
Delta R.T. -0.01 min
Lab File: BG036830.D
Acq: 19 Sep 2018 21:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.6	29.4
265	20.4	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

