

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092118\
 Data File : BG036898.D
 Acq On : 22 Sep 2018 17:29
 Operator : JU/SJ
 Sample : J5019-08
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 03:56:03 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

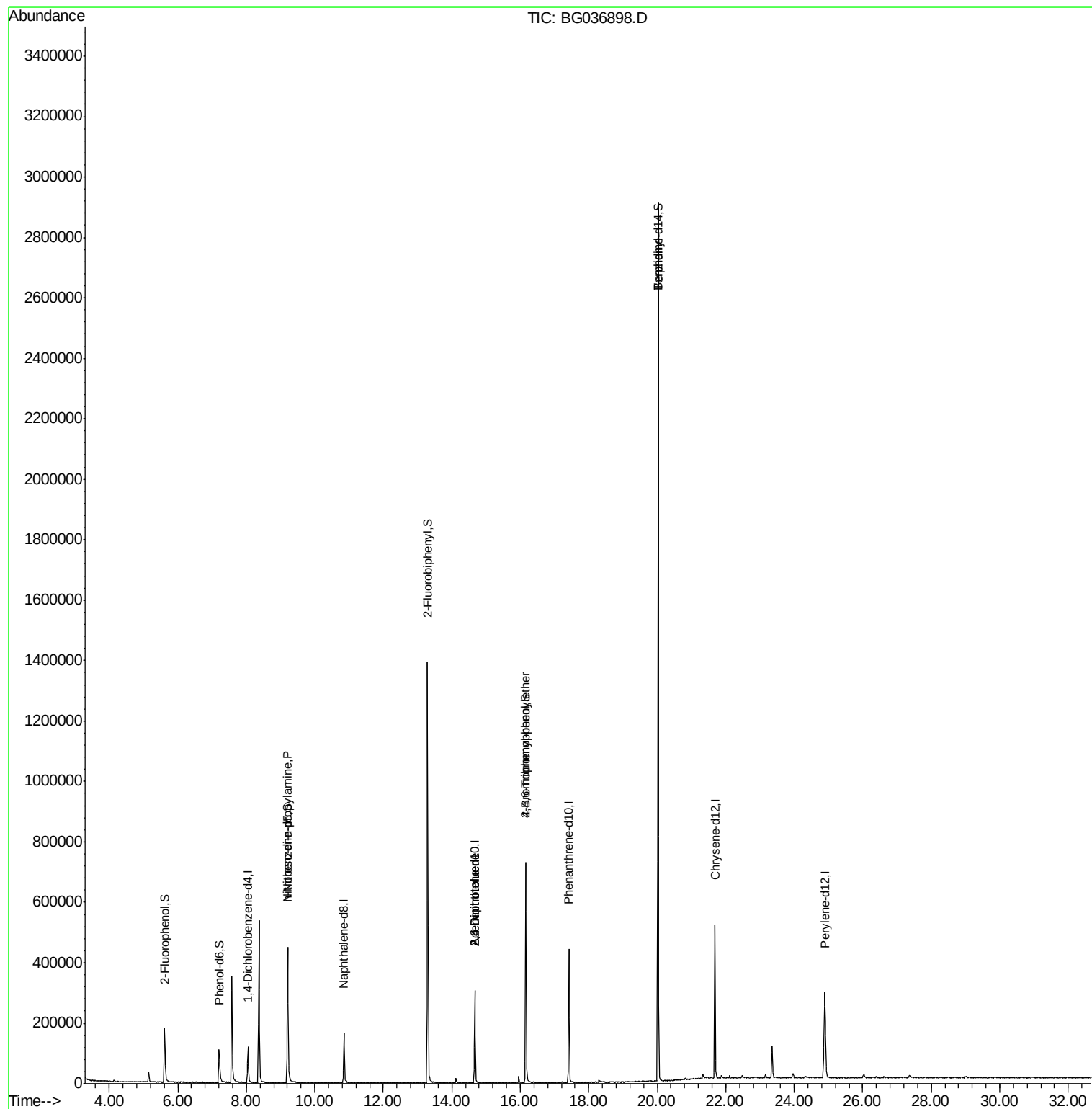
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	38547	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	163183	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	114386	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	299077	20.00	ng	0.00
75) Chrysene-d12	21.68	240	319831	20.00	ng	0.00
86) Perylene-d12	24.89	264	319090	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	94448	46.99	ng	0.00
7) Phenol-d6	7.21	99	83605	26.88	ng	0.00
23) Nitrobenzene-d5	9.21	82	319836	104.96	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	148720	108.67	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	783992	102.08	ng	0.00
78) Terphenyl-d14	20.03	244	1409489	115.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	42429	16.401	ng	# 67
50) 2,6-Dinitrotoluene	14.67	165	15008	7.471	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	15008	5.354	ng	# 18
66) 4-Bromophenyl-phenylether	16.15	248	10723	3.152	ng	# 1
76) Benzidine	20.03	184	25577	2.645	ng	97

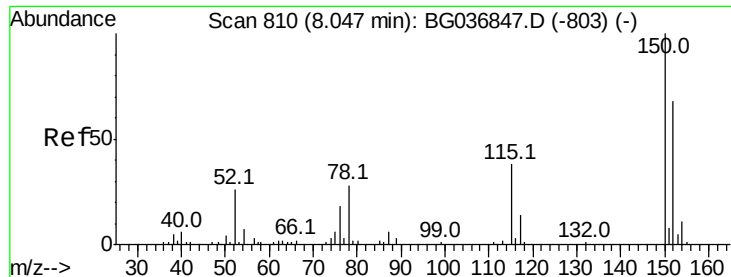
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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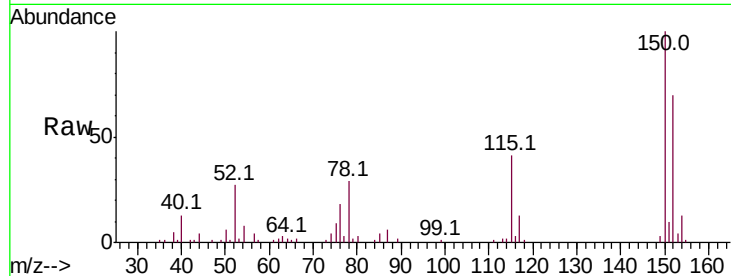


#1

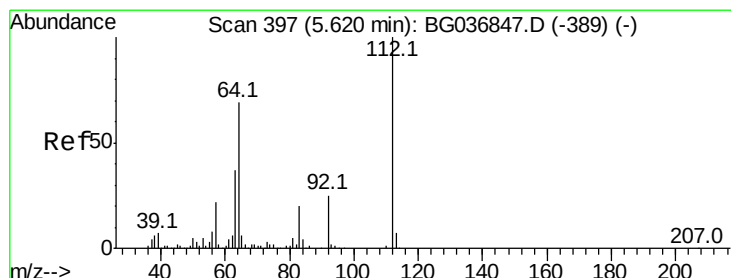
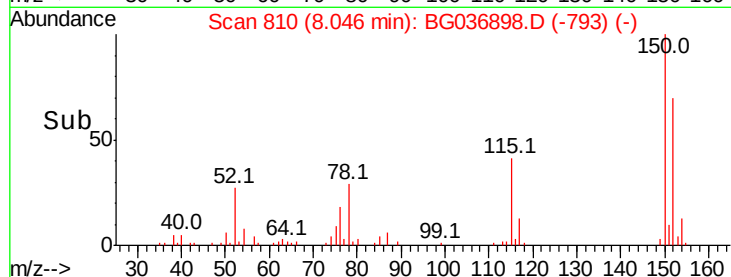
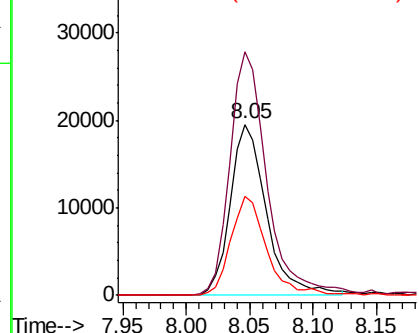
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. -0.00 min
Lab File: BG036898.D
Acq: 22 Sep 2018 17:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.4	119.5	179.3
115	58.3	44.5	66.7



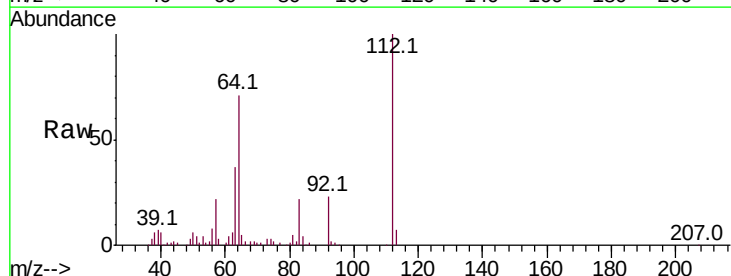
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



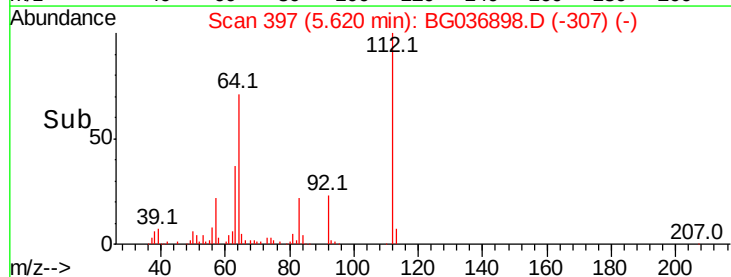
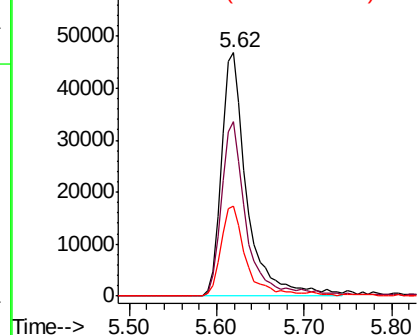
#5

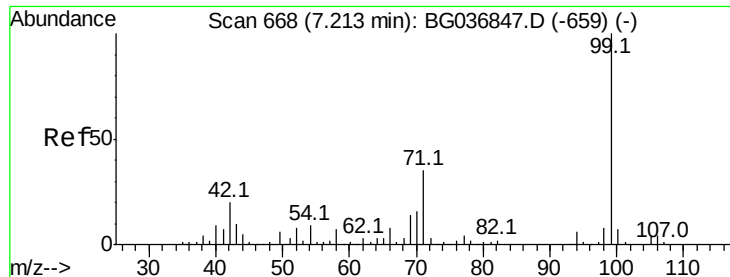
2-Fluorophenol
Concen: 46.990 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.00 min
Lab File: BG036898.D
Acq: 22 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.5	57.2	85.8
63	36.8	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: 26.885 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036898.D

Acq: 22 Sep 2018 17:29

Instrument :

BNA_G

ClientSampleId :

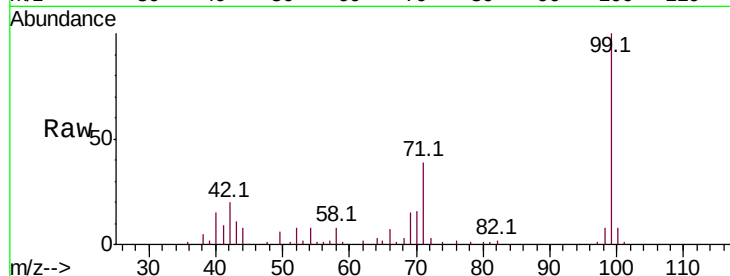
Tot Ion: 99 Resp: 83605

Ion Ratio Lower Upper

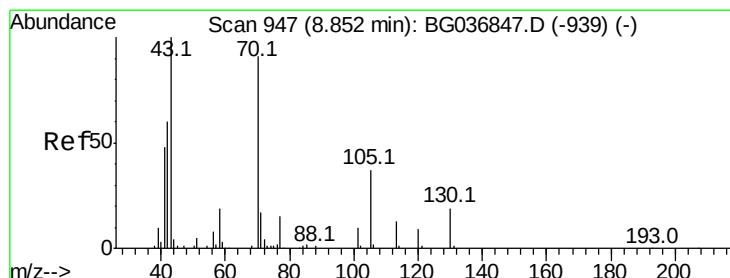
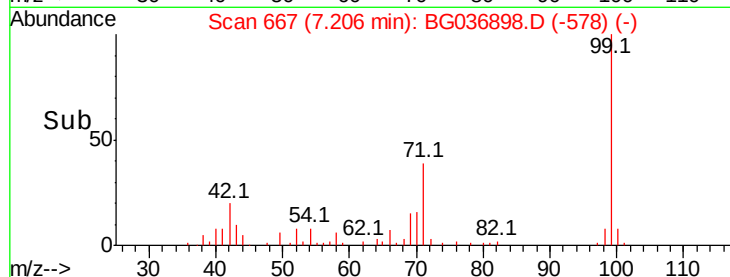
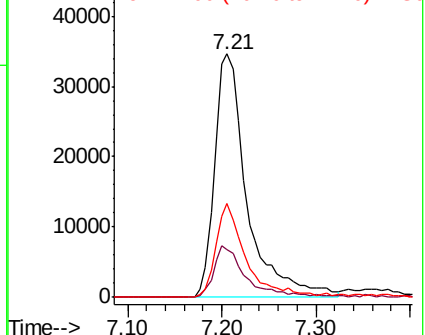
99 100

42 19.7 16.5 24.7

71 38.7 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: 16.401 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BG036898.D

Acq: 22 Sep 2018 17:29

Tgt Ion: 70 Resp: 42429

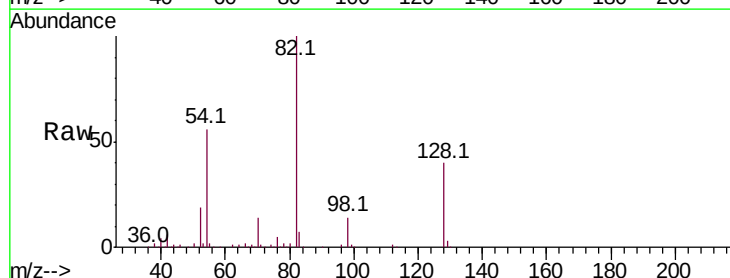
Ion Ratio Lower Upper

70 100

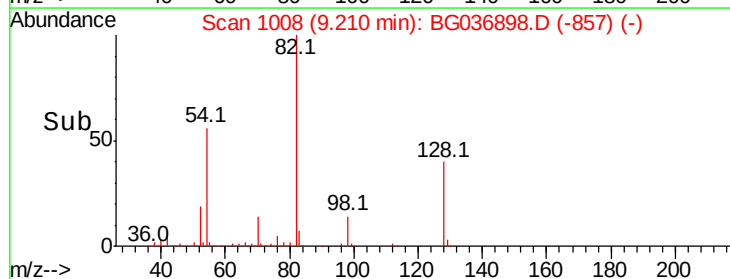
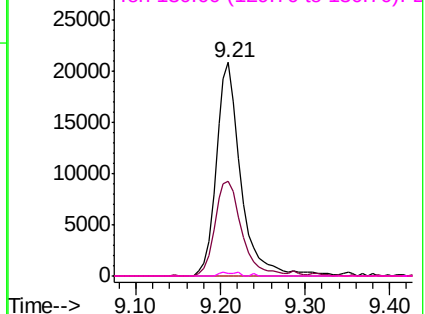
42 44.1 56.2 84.4#

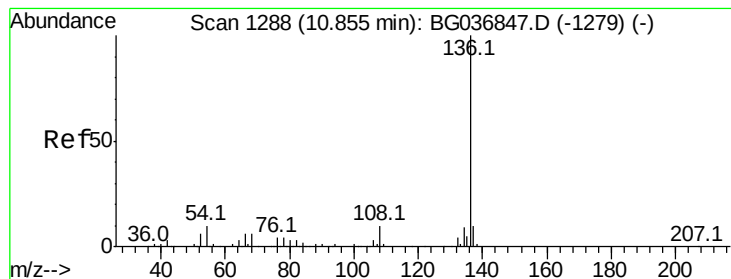
101 0.0 7.8 11.6#

130 1.3 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

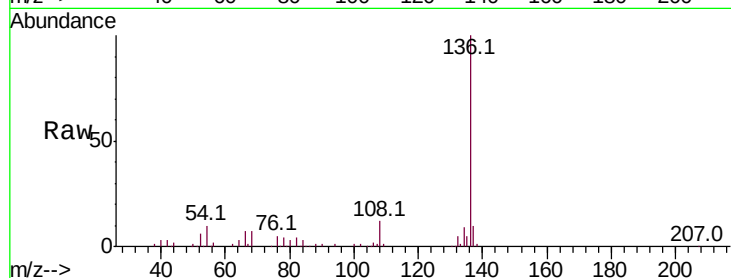
Lab File: BG036898.D

Acq: 22 Sep 2018 17:29

Instrument :

BNA_G

ClientSampled :



Tot Ion:136 Resp: 163183

Ion Ratio Lower Upper

136 100

137 10.4 8.8 13.2

54 10.0 9.2 13.8

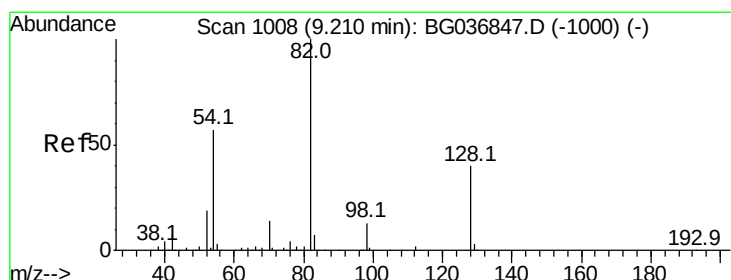
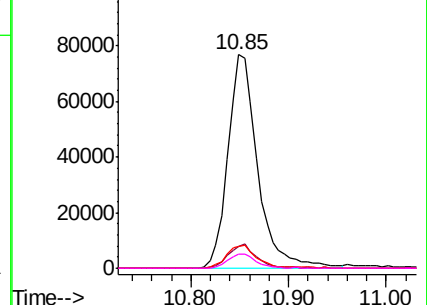
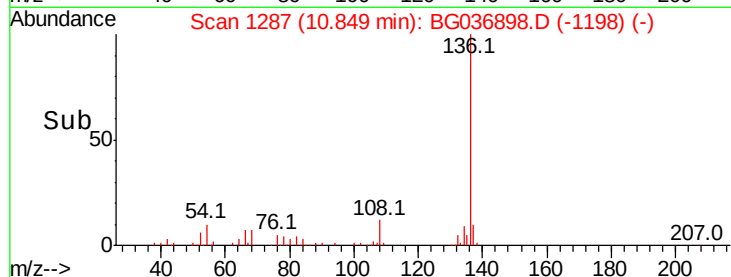
68 6.8 5.8 8.6

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): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 104.959 ng

RT: 9.21 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BG036898.D

Acq: 22 Sep 2018 17:29

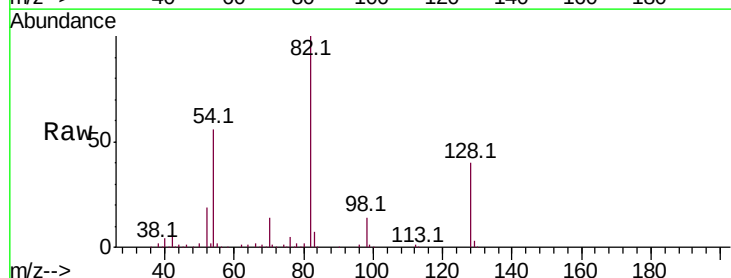
Tgt Ion: 82 Resp: 319836

Ion Ratio Lower Upper

82 100

128 40.0 33.3 49.9

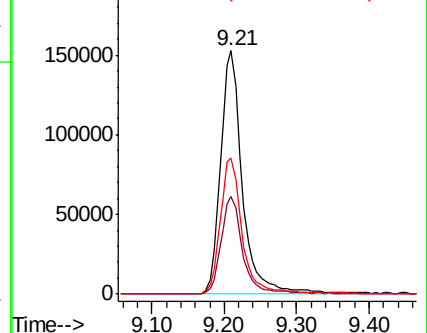
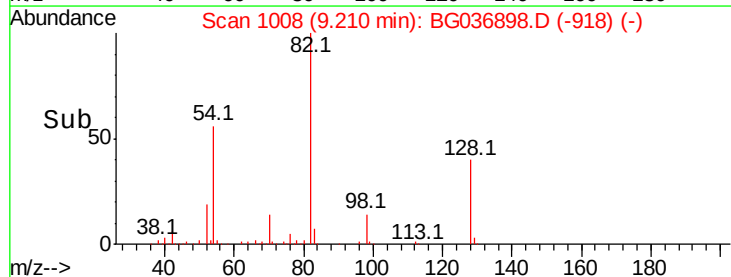
54 56.1 45.1 67.7

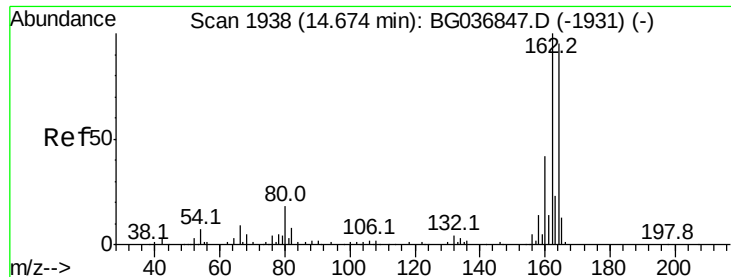


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.00 min

Lab File: BG036898.D

Acq: 22 Sep 2018 17:29

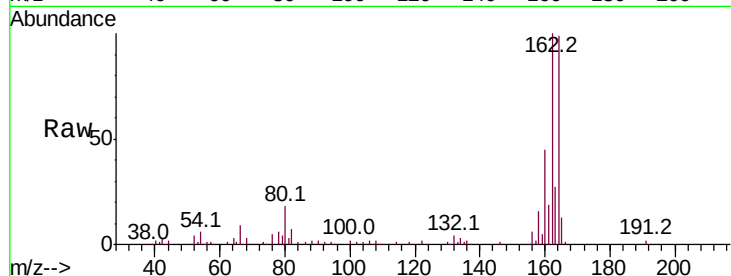
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 114386

Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.7	121.1
160	45.4	35.3	52.9

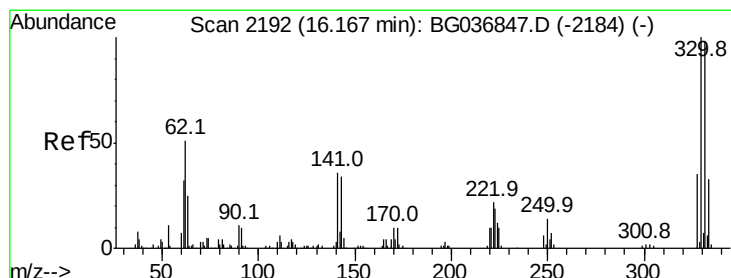
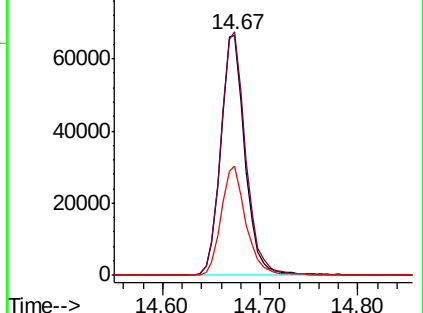
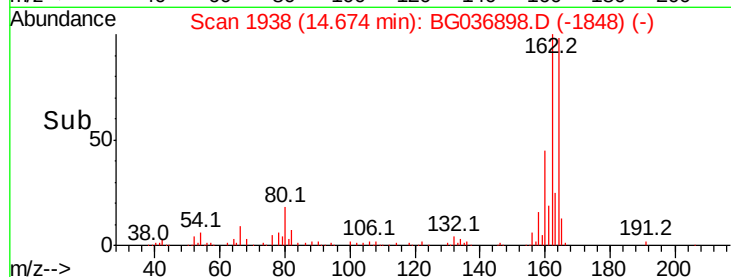


Abundance

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: 108.669 ng

RT: 16.16 min Scan# 2191

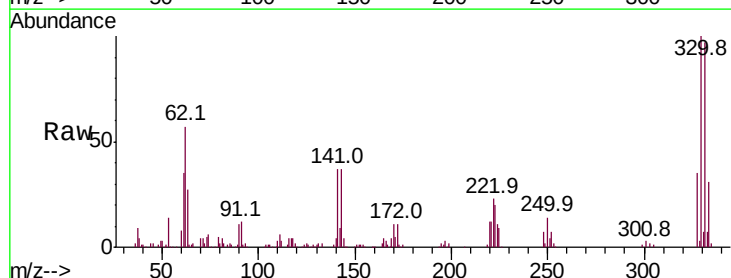
Delta R.T. -0.01 min

Lab File: BG036898.D

Acq: 22 Sep 2018 17:29

Tgt Ion:330 Resp: 148720

Ion	Ratio	Lower	Upper
330	100		
332	94.6	75.4	113.2
141	38.1	30.7	46.1

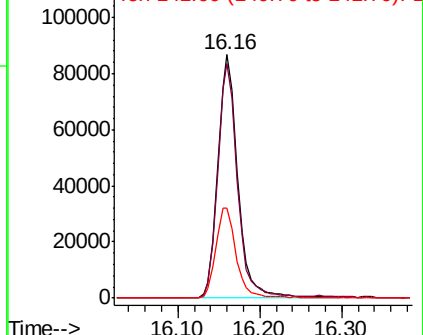
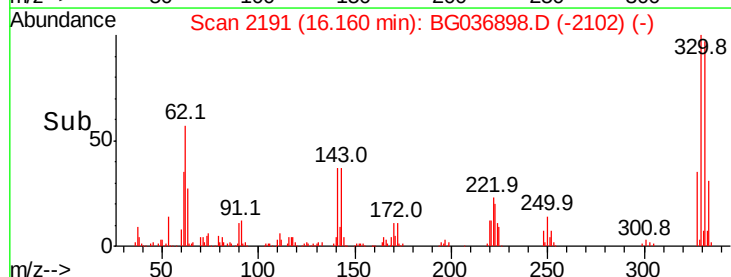


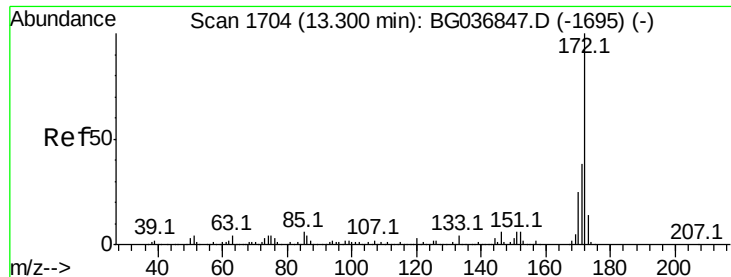
Abundance

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

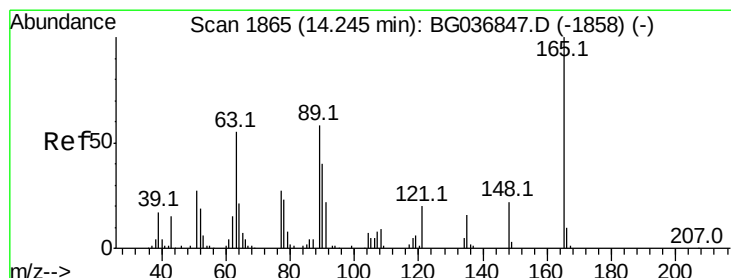
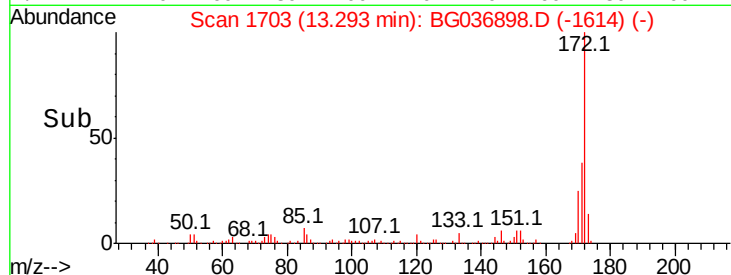
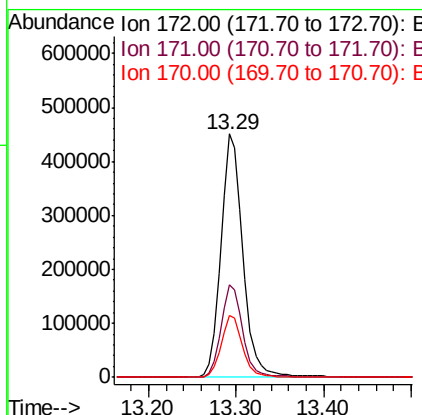
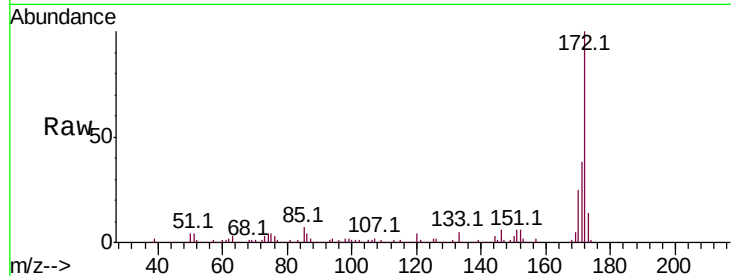




#44
 2-Fluorobiphenyl
 Concen: 102.082 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036898.D
 Acq: 22 Sep 2018 17:29

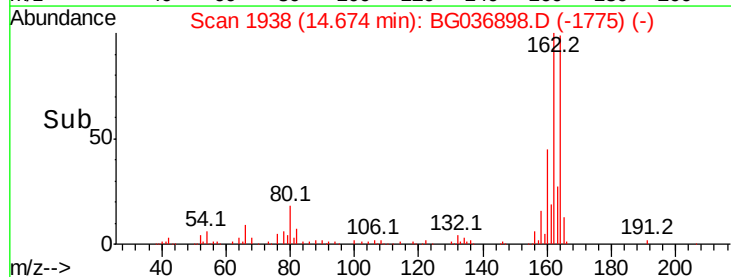
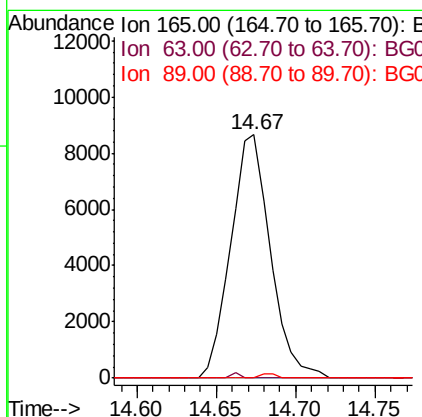
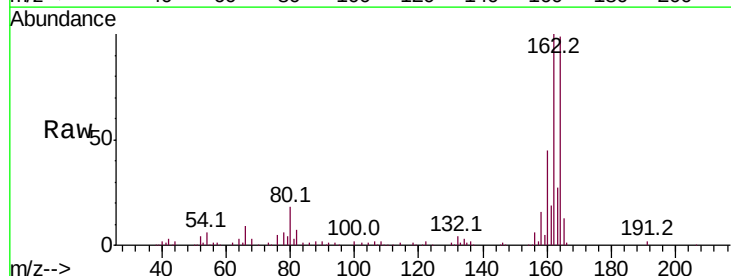
Instrument :
 BNA_G
 ClientSampleId :

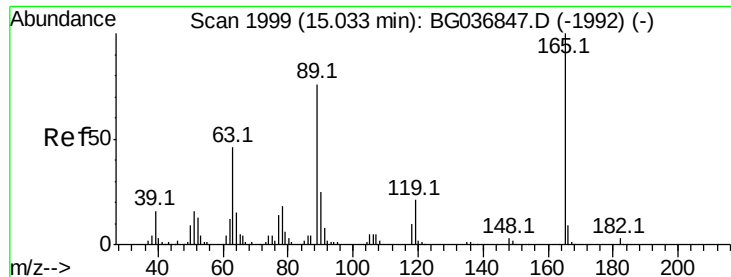
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.3	46.9
170	25.4	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.471 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.43 min
 Lab File: BG036898.D
 Acq: 22 Sep 2018 17:29

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

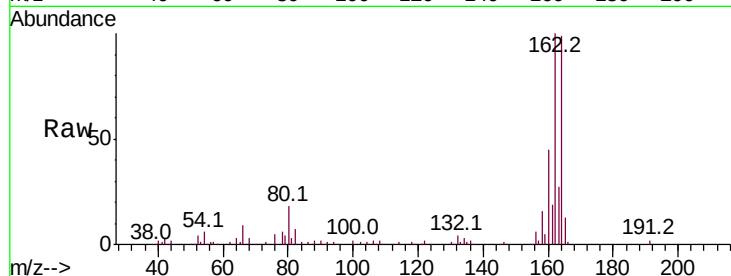




#56
 2,4-Dinitrotoluene
 Concen: 5.354 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.36 min
 Lab File: BG036898.D
 Acq: 22 Sep 2018 17:29

Instrument :
 BNA_G
 ClientSampled :

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

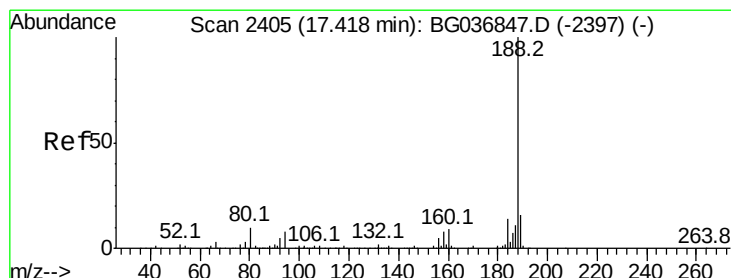
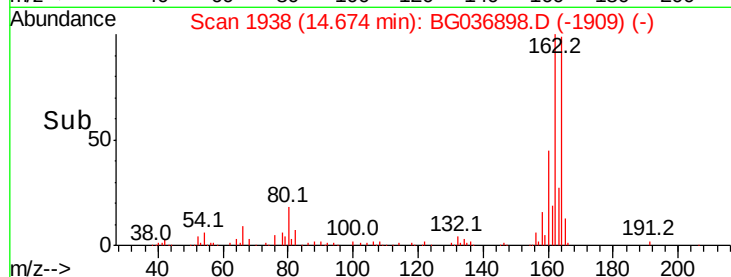
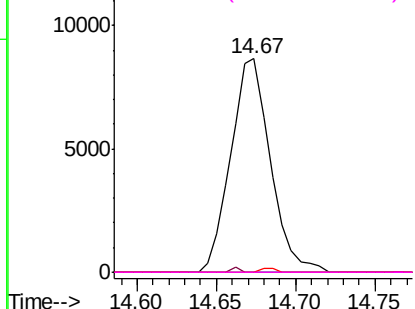


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

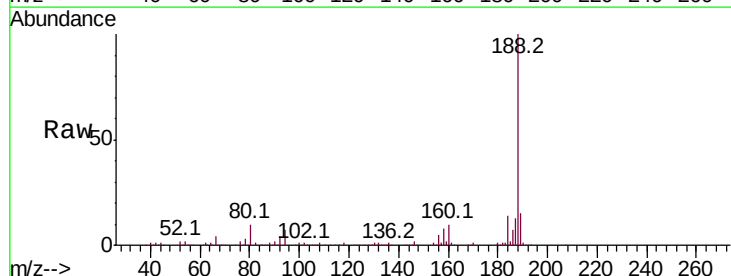
Ion 89.00 (88.70 to 89.70): BGC

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: BG036898.D
 Acq: 22 Sep 2018 17:29

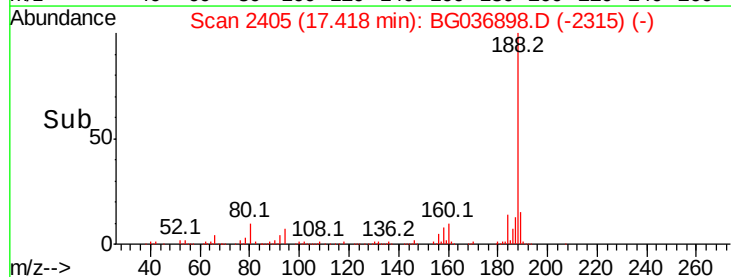
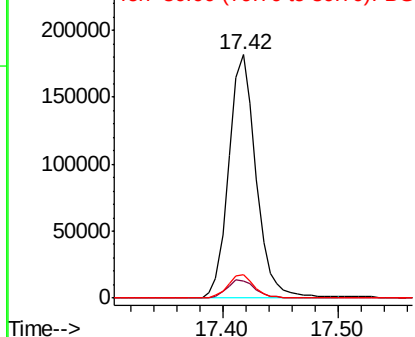
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.7	10.1
80	9.6	8.1	12.1

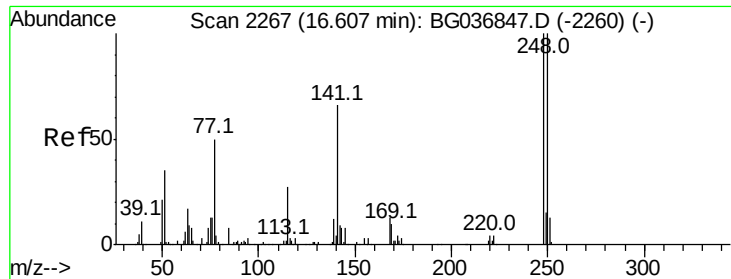


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

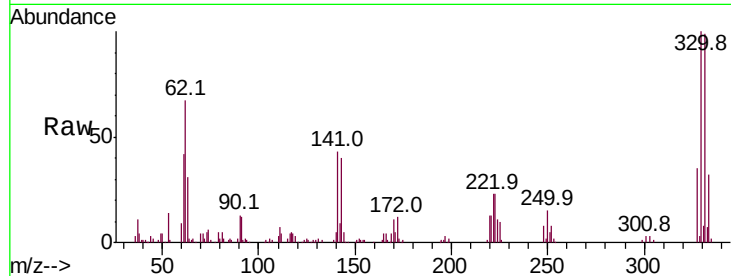




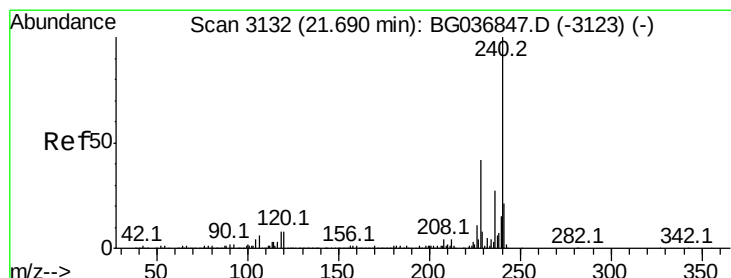
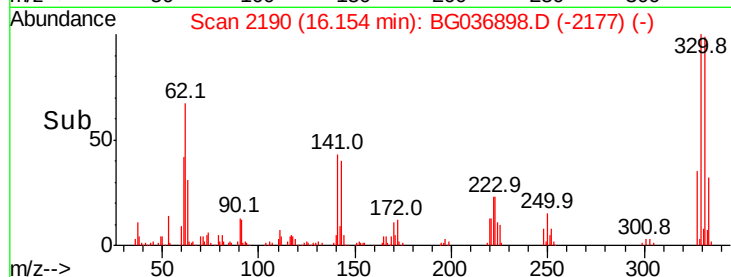
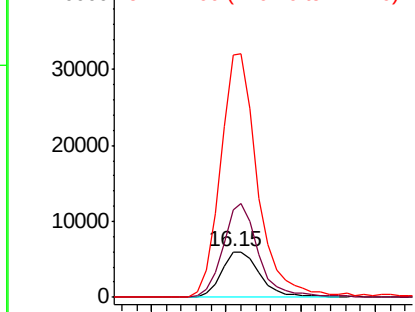
#66
4-Bromophenyl-phenylether
Concen: 3.152 ng
RT: 16.15 min Scan# 2190
Delta R.T. -0.45 min
Lab File: BG036898.D
Acq: 22 Sep 2018 17:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 10723
Ion Ratio Lower Upper
248 100
250 191.8 78.1 117.1#
141 533.6 53.7 80.5#

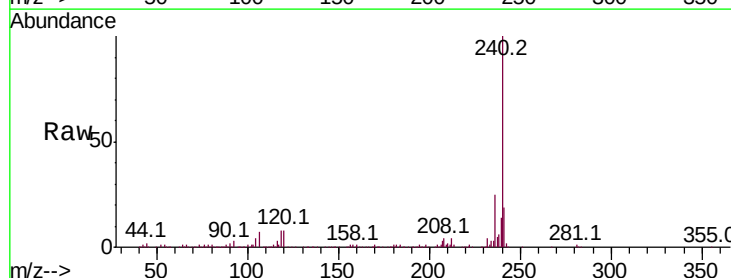


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

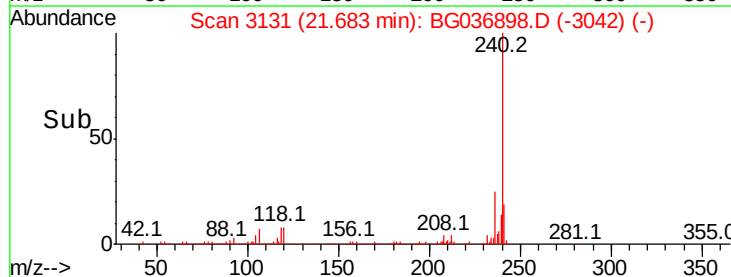
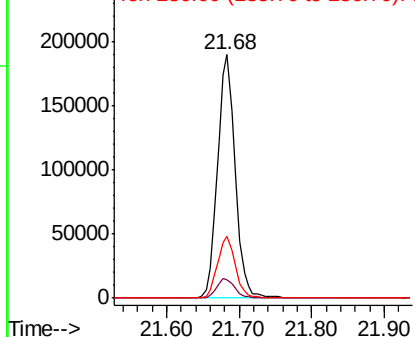


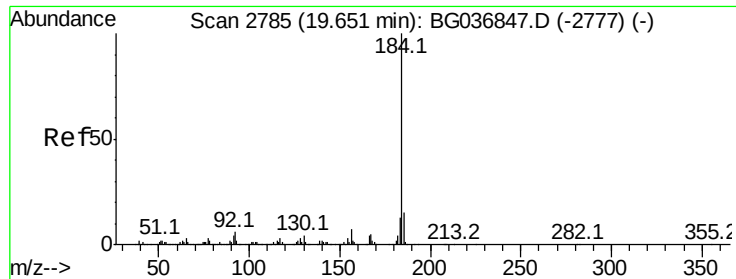
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG036898.D
Acq: 22 Sep 2018 17:29

Tgt Ion:240 Resp: 319831
Ion Ratio Lower Upper
240 100
120 7.7 6.9 10.3
236 25.3 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: 2.645 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG036898.D

Acq: 22 Sep 2018 17:29

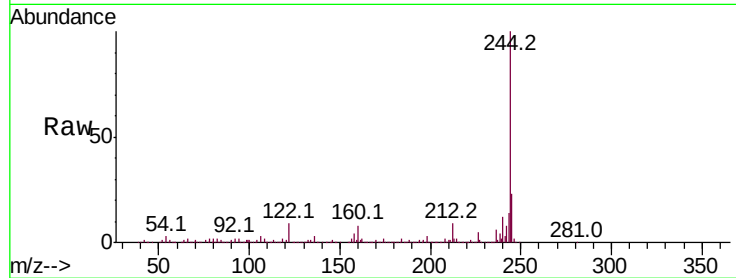
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 25577

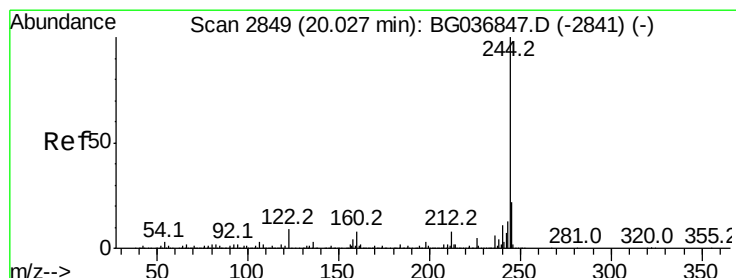
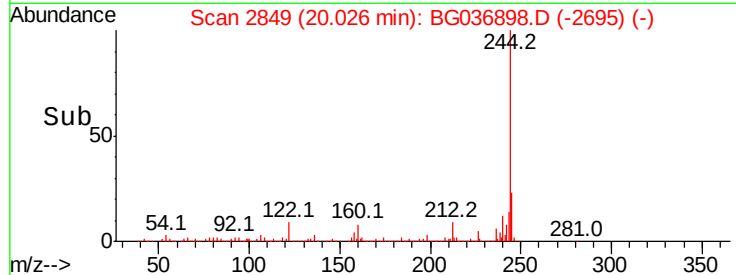
Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.6	18.8
183	11.4	10.9	16.3



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: 115.881 ng

RT: 20.03 min Scan# 2849

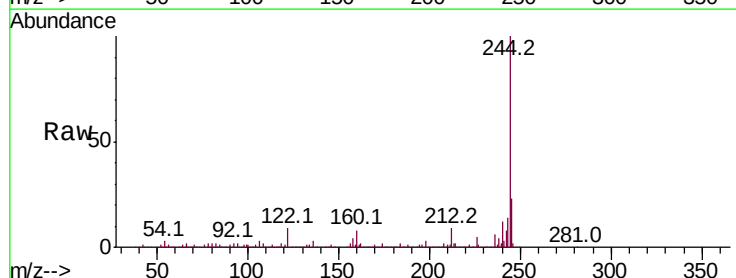
Delta R.T. -0.00 min

Lab File: BG036898.D

Acq: 22 Sep 2018 17:29

Tgt Ion:244 Resp: 1409489

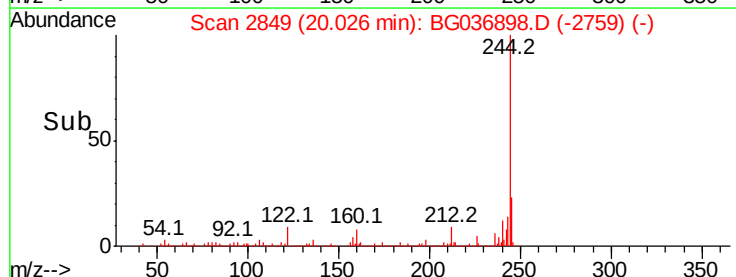
Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.0	10.6
122	9.0	7.1	10.7

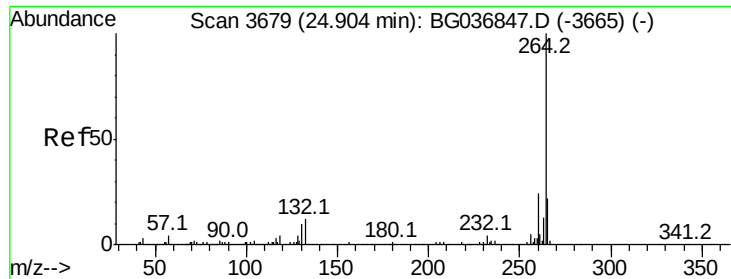


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

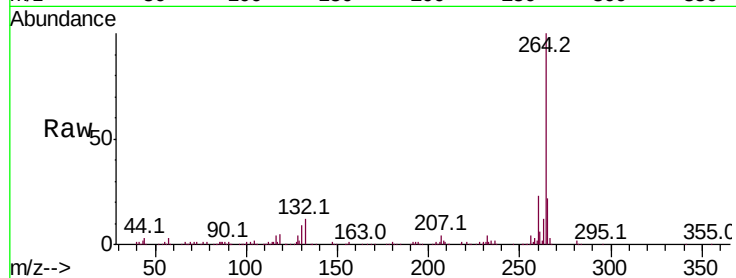




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.89 min Scan# 3677
 Delta R.T. -0.01 min
 Lab File: BG036898.D
 Acq: 22 Sep 2018 17:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	319090
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.6	29.4
265	21.6	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

