

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092118\
 Data File : BG036885.D
 Acq On : 22 Sep 2018 9:01
 Operator : JU/SJ
 Sample : J5021-12
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 03:53:54 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

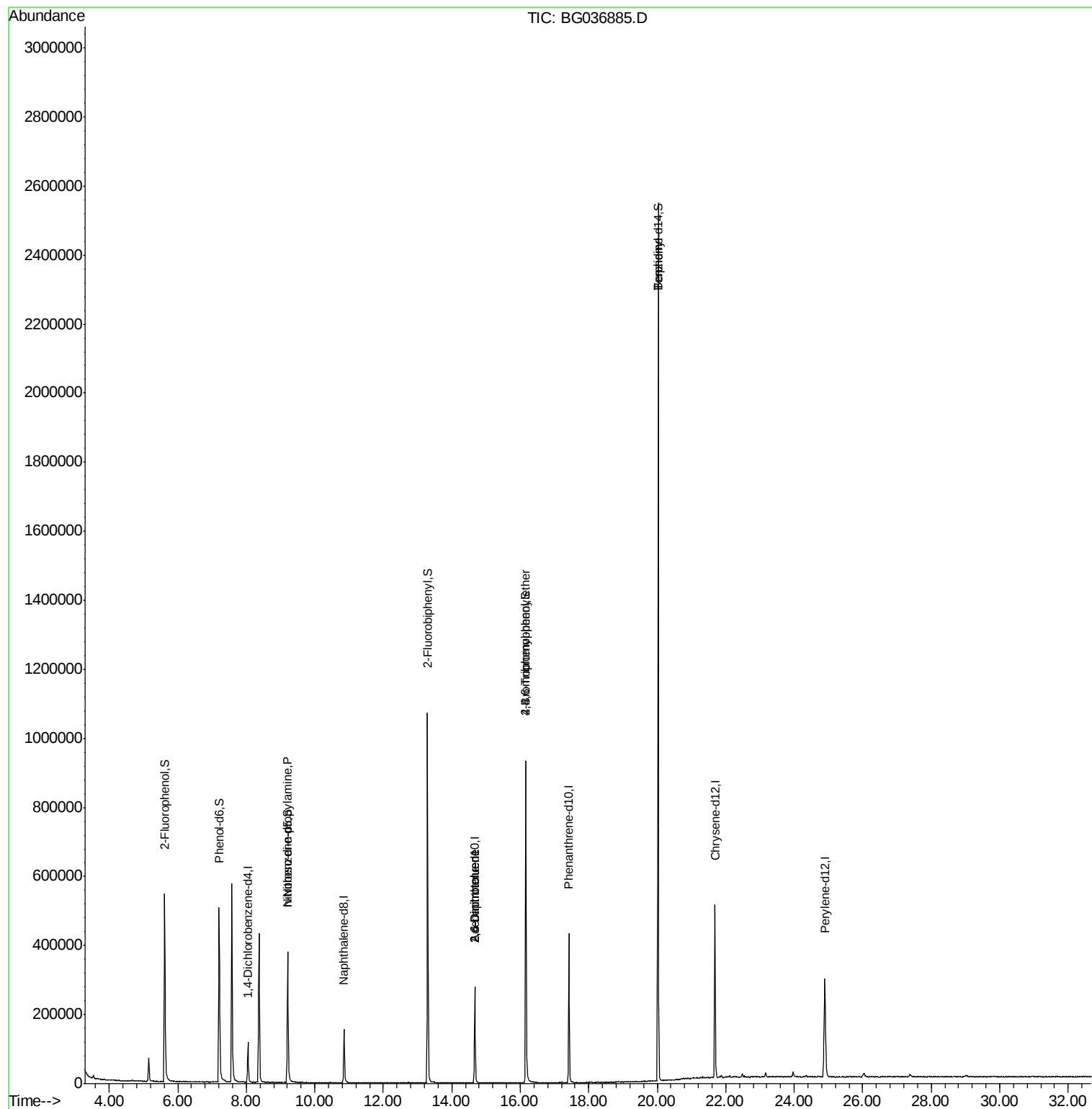
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	36846	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	156646	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	106423	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	292696	20.00	ng	0.00
75) Chrysene-d12	21.68	240	322658	20.00	ng	0.00
86) Perylene-d12	24.89	264	315861	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	261314	136.01	ng	0.00
7) Phenol-d6	7.21	99	340150	114.43	ng	0.00
23) Nitrobenzene-d5	9.21	82	264665	90.48	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	183163	143.85	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	613363	85.84	ng	0.00
78) Terphenyl-d14	20.03	244	1240395	101.09	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	34091	13.786	ng	# 74
50) 2,6-Dinitrotoluene	14.67	165	13525	7.236	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	13525	5.186	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	13110	3.938	ng	# 1
76) Benzidine	20.03	184	20590	2.111	ng	94

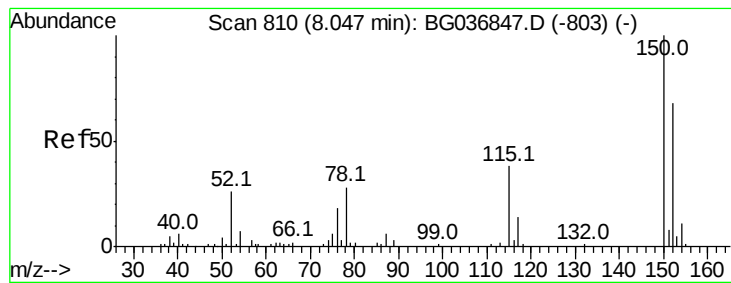
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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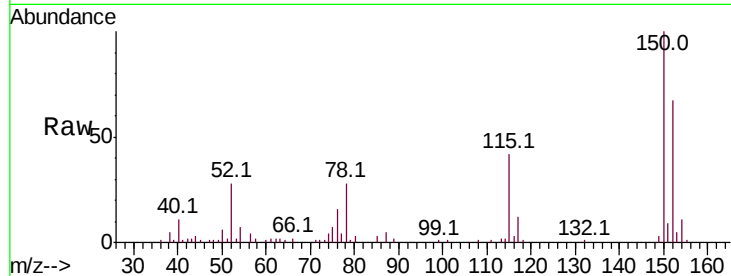


#1

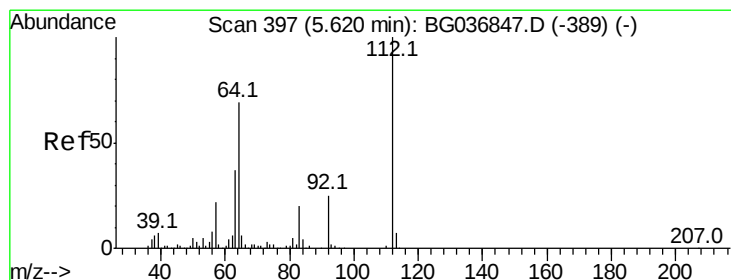
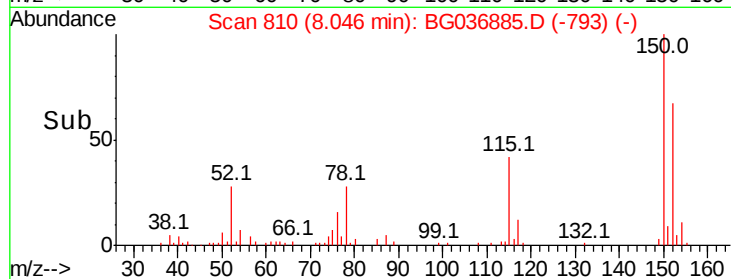
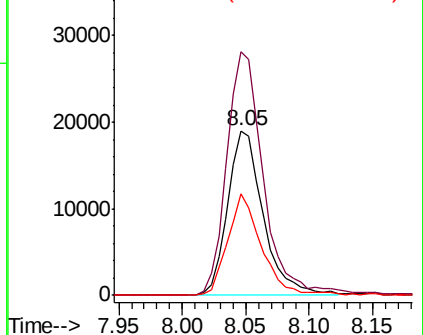
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BG036885.D
 Acq: 22 Sep 2018 9:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.2	119.5	179.3
115	62.1	44.5	66.7



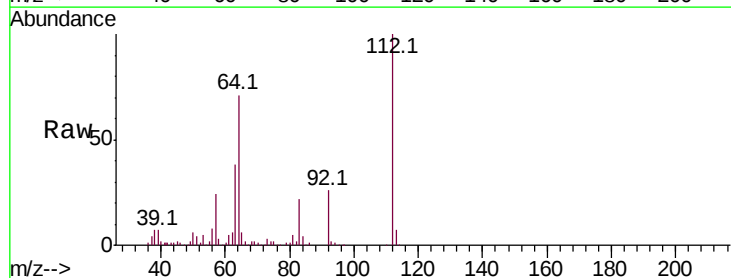
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



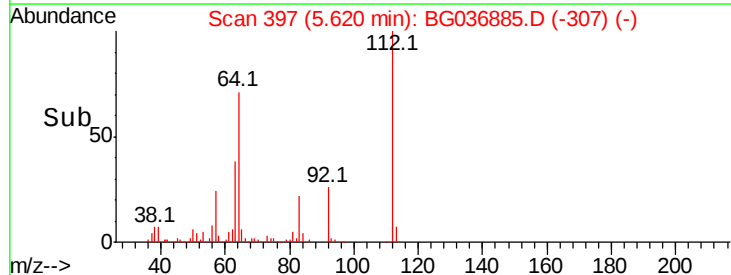
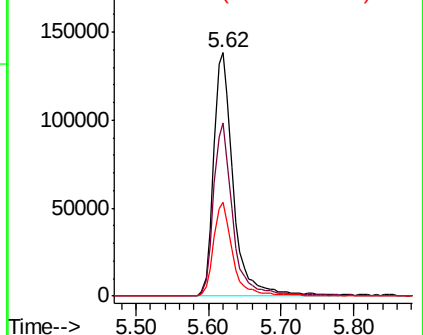
#5

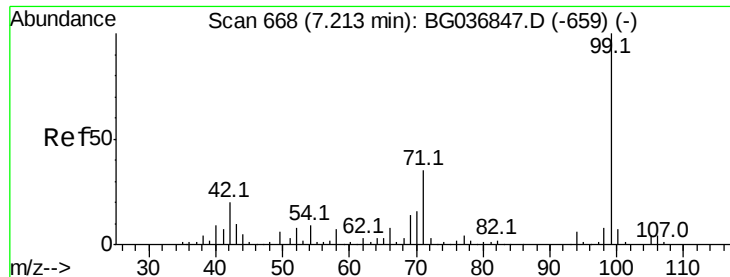
2-Fluorophenol
 Concen: 136.010 ng
 RT: 5.62 min Scan# 397
 Delta R.T. -0.00 min
 Lab File: BG036885.D
 Acq: 22 Sep 2018 9:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.1	57.2	85.8
63	38.5	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: 114.430 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036885.D

Acq: 22 Sep 2018 9:01

Instrument :

BNA_G

ClientSampleId :

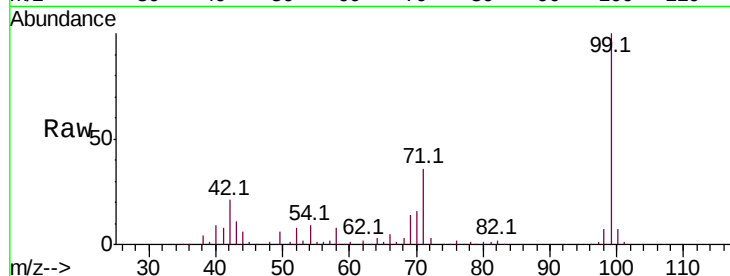
Tot Ion: 99 Resp: 340150

Ion Ratio Lower Upper

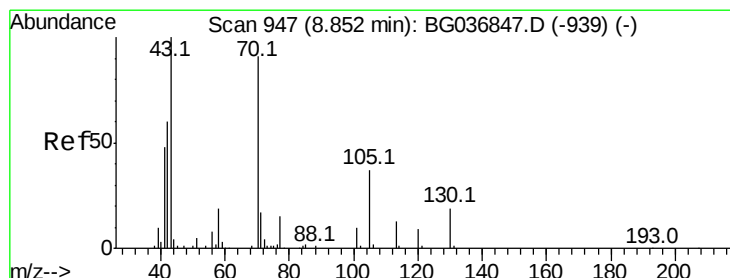
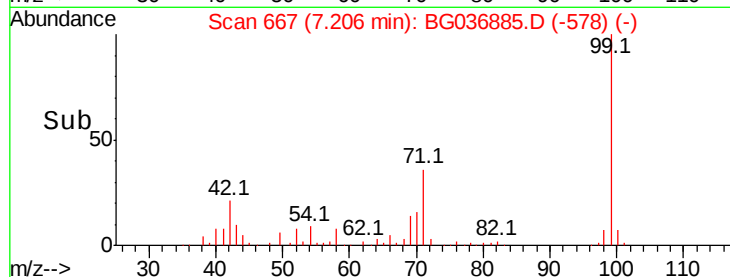
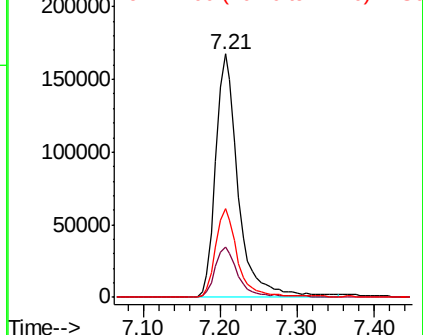
99 100

42 20.6 16.5 24.7

71 36.4 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: 13.786 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BG036885.D

Acq: 22 Sep 2018 9:01

Tgt Ion: 70 Resp: 34091

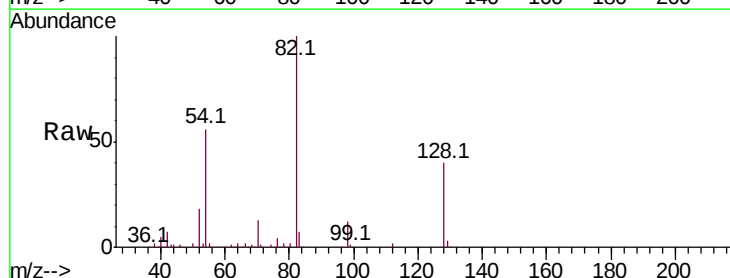
Ion Ratio Lower Upper

70 100

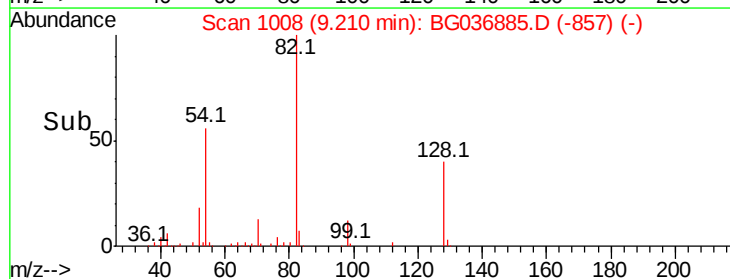
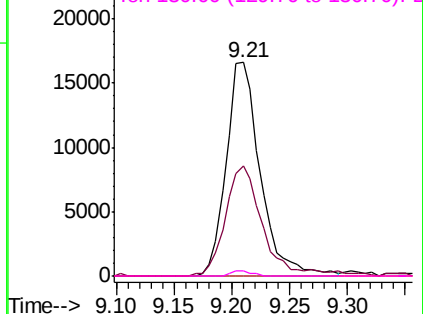
42 51.5 56.2 84.4#

101 0.0 7.8 11.6#

130 2.3 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

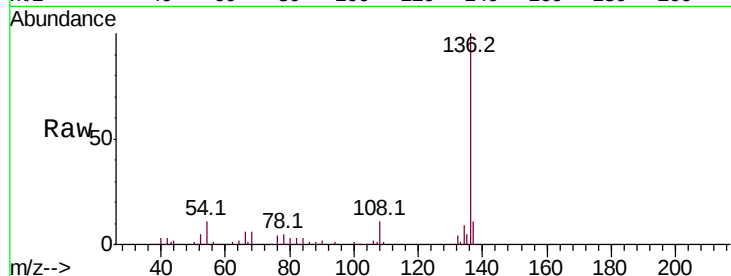




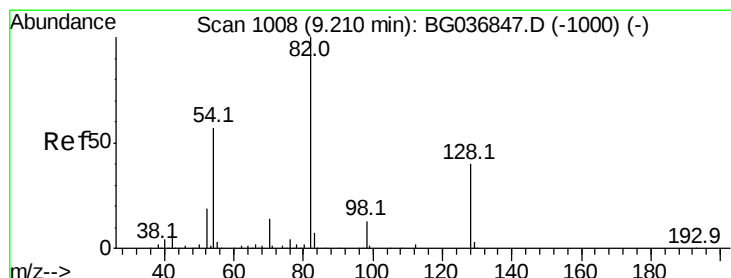
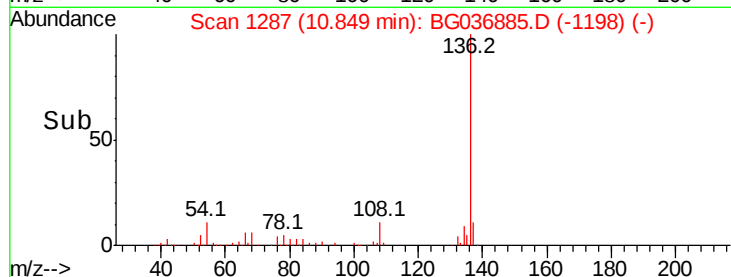
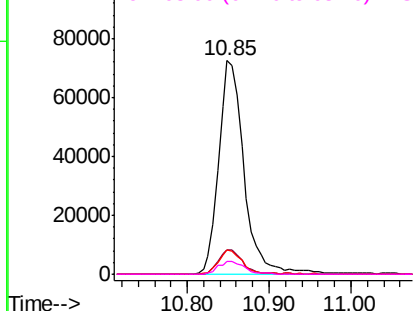
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036885.D
Acq: 22 Sep 2018 9:01

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	156646
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	11.2	9.2	13.8
68	6.1	5.8	8.6

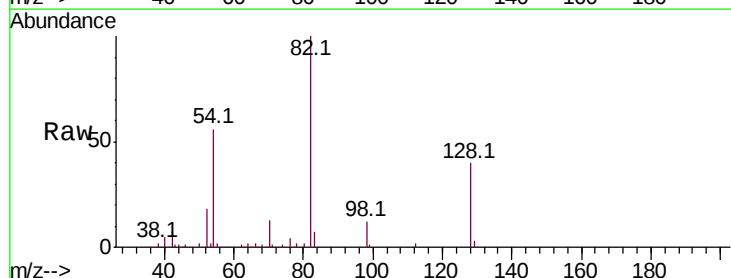


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

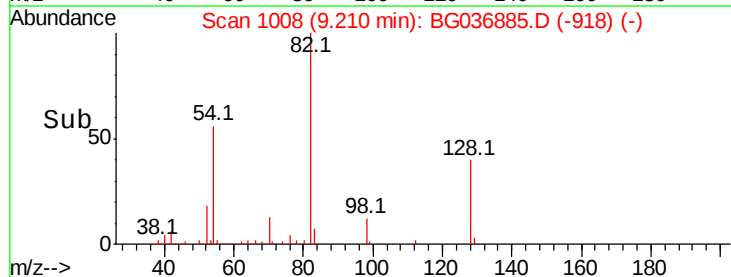
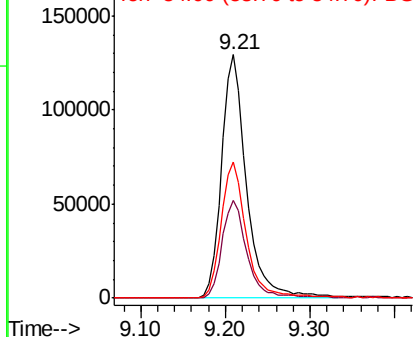


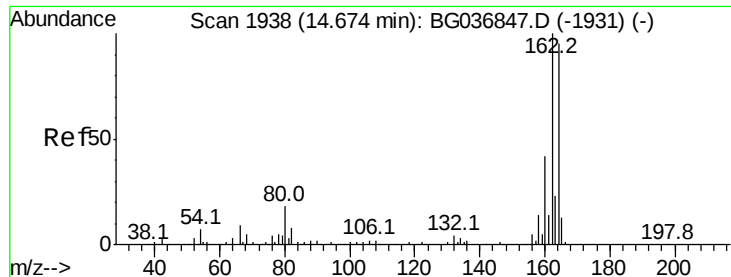
#23
Nitrobenzene-d5
Concen: 90.478 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BG036885.D
Acq: 22 Sep 2018 9:01

Tgt Ion:	82	Resp:	264665
Ion	Ratio	Lower	Upper
82	100		
128	39.9	33.3	49.9
54	56.1	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.00 min

Lab File: BG036885.D

Acq: 22 Sep 2018 9:01

Instrument :

BNA_G

ClientSampleId :

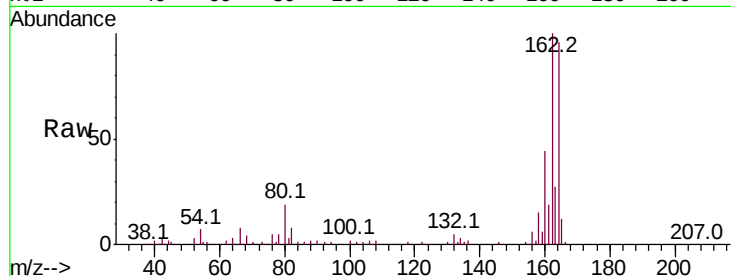
Tot Ion:164 Resp: 106423

Ion Ratio Lower Upper

164 100

162 104.0 80.7 121.1

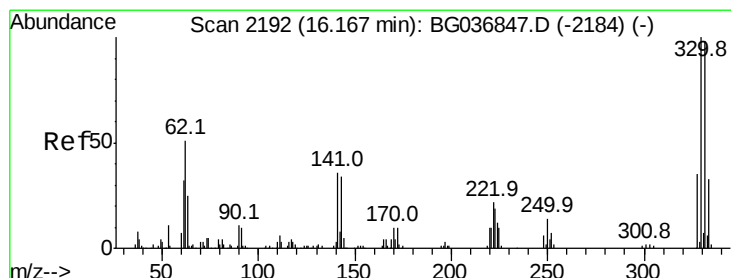
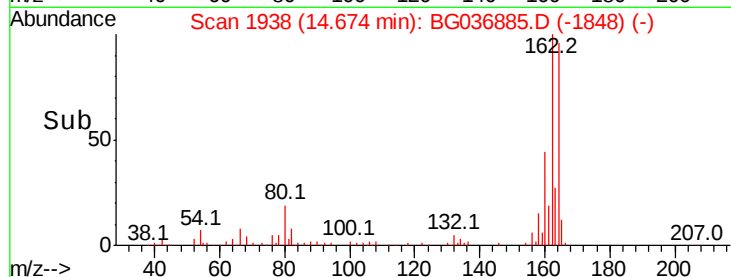
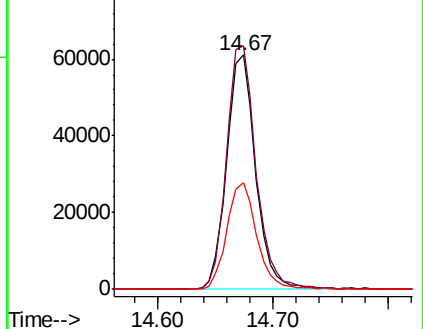
160 45.4 35.3 52.9



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: 143.851 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036885.D

Acq: 22 Sep 2018 9:01

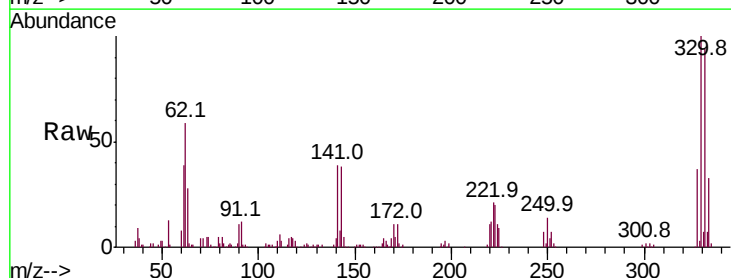
Tgt Ion:330 Resp: 183163

Ion Ratio Lower Upper

330 100

332 95.7 75.4 113.2

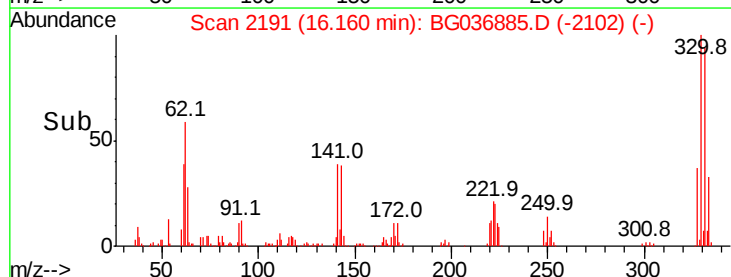
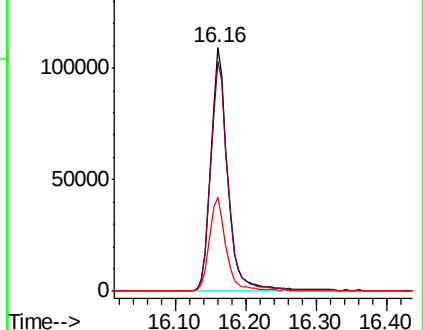
141 38.3 30.7 46.1

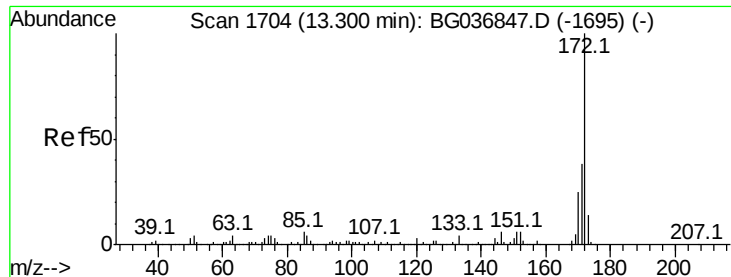


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

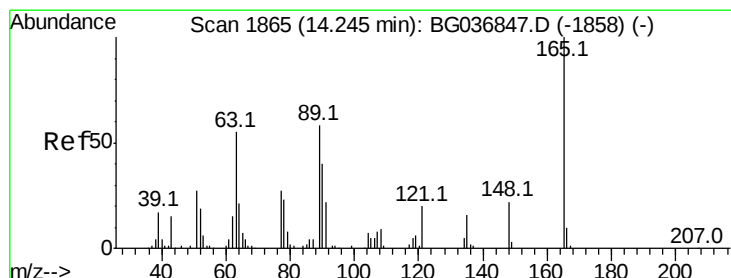
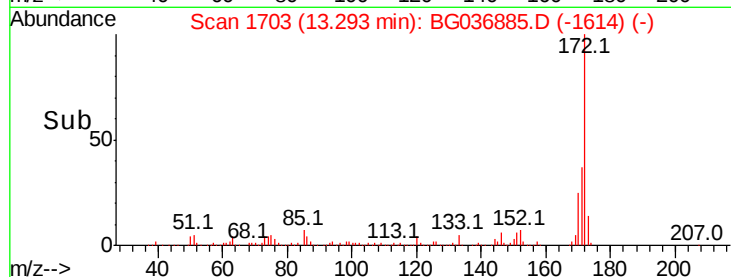
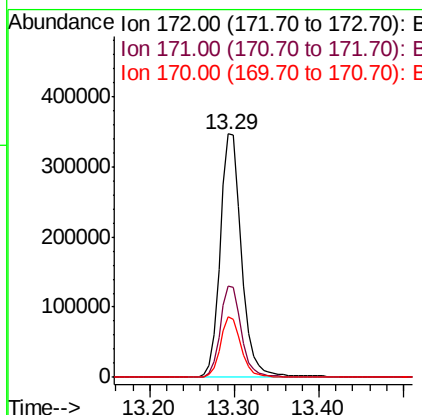
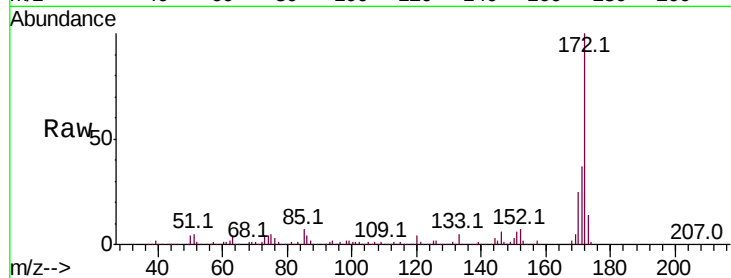




#44
 2-Fluorobiphenyl
 Concen: 85.840 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036885.D
 Acq: 22 Sep 2018 9:01

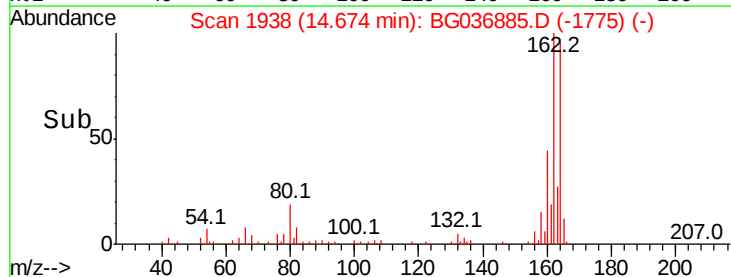
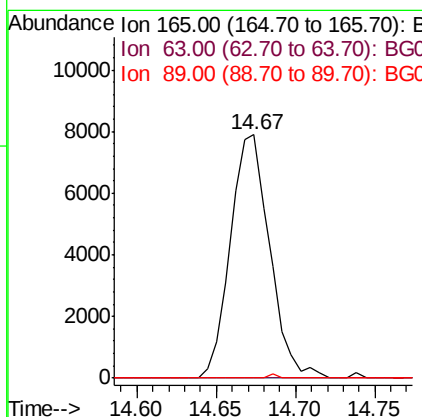
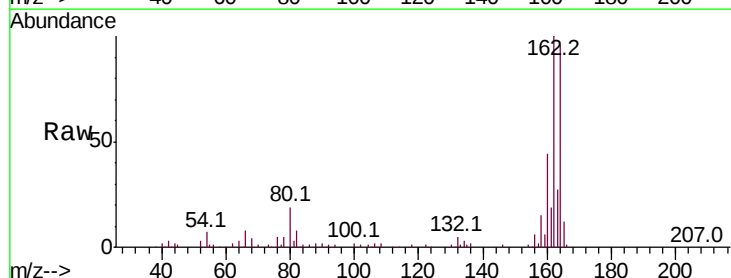
Instrument :
 BNA_G
 ClientSampleId :

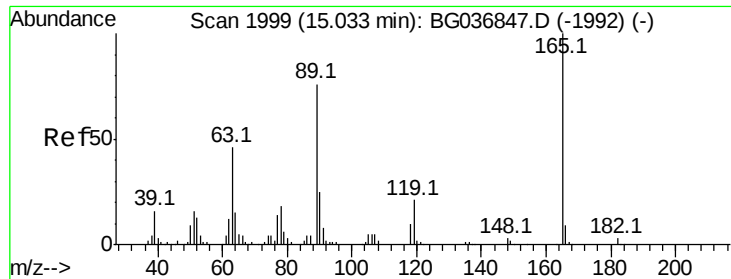
Tot Ion:172 Resp: 613363
 Ion Ratio Lower Upper
 172 100
 171 37.4 31.3 46.9
 170 24.8 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.236 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.43 min
 Lab File: BG036885.D
 Acq: 22 Sep 2018 9:01

Tgt Ion:165 Resp: 13525
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 0.0 47.8 71.6#

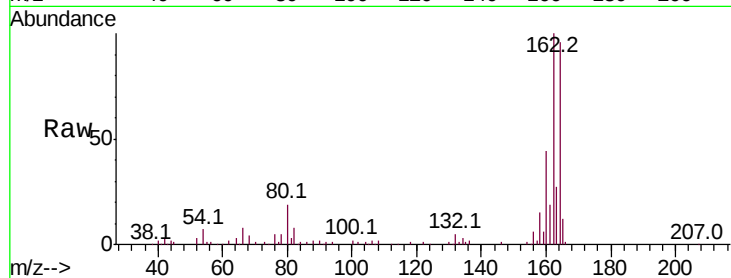




#56
2,4-Dinitrotoluene
Concen: 5.186 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.36 min
Lab File: BG036885.D
Acq: 22 Sep 2018 9:01

Instrument :
BNA_G
ClientSampleId :

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#



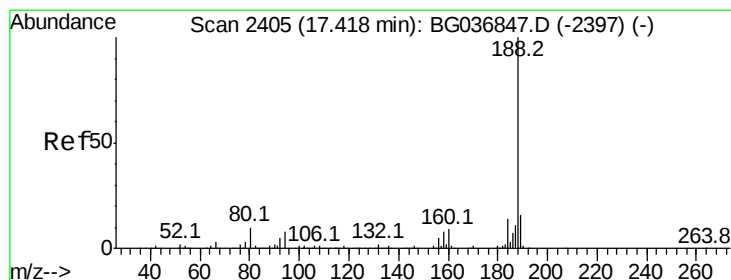
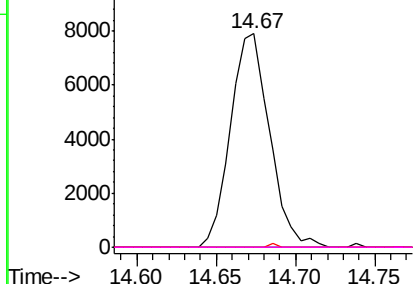
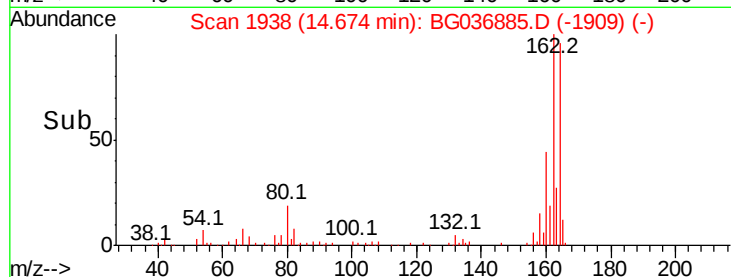
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

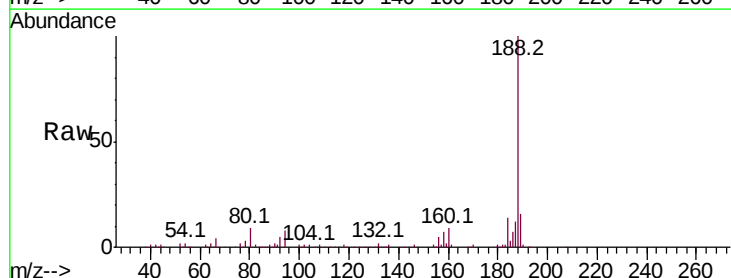
Ion 89.00 (88.70 to 89.70): BGC

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: BG036885.D
Acq: 22 Sep 2018 9:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.7	10.1
80	9.1	8.1	12.1

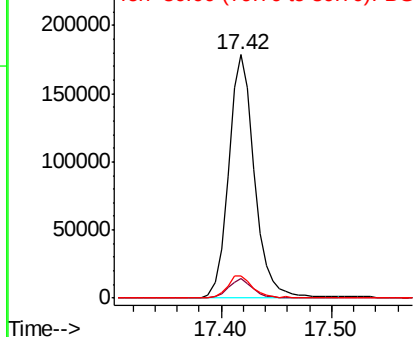
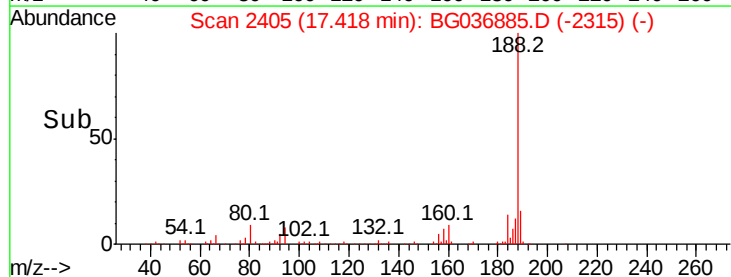


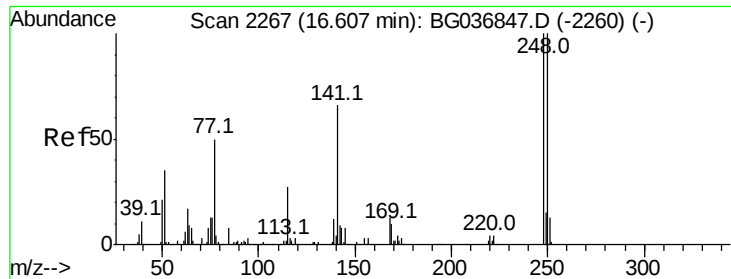
Abundance

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

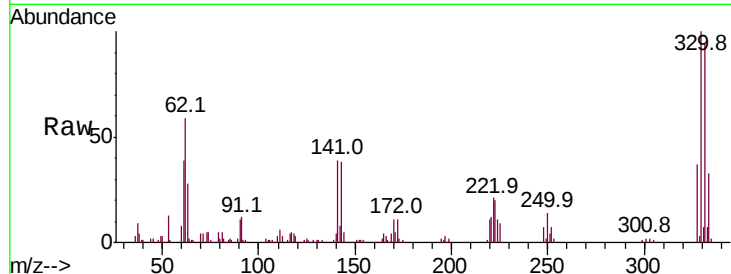




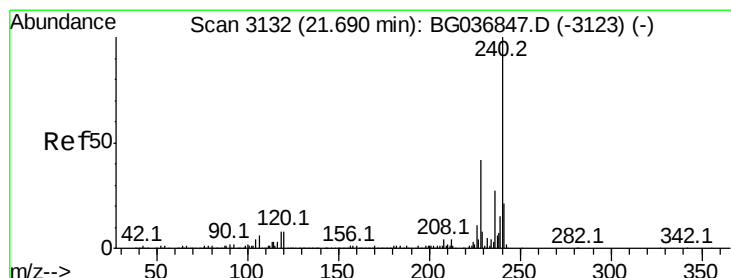
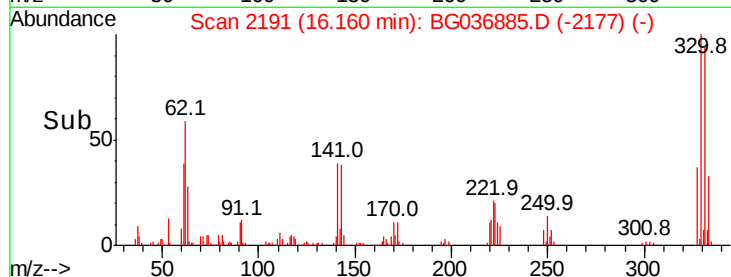
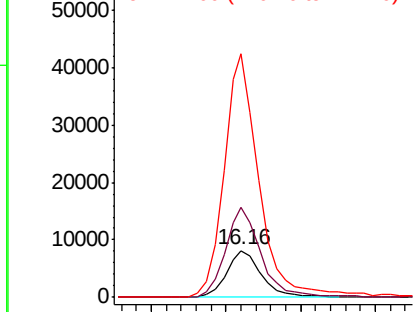
#66
4-Bromophenyl-phenylether
Concen: 3.938 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.45 min
Lab File: BG036885.D
Acq: 22 Sep 2018 9:01

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 13110
Ion Ratio Lower Upper
248 100
250 190.6 78.1 117.1#
141 517.6 53.7 80.5#

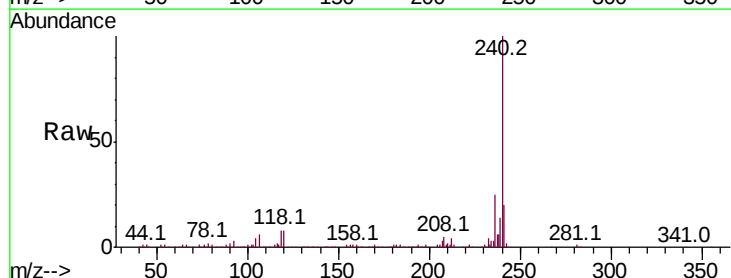


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

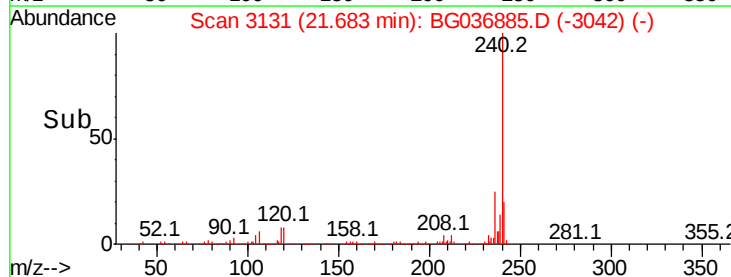
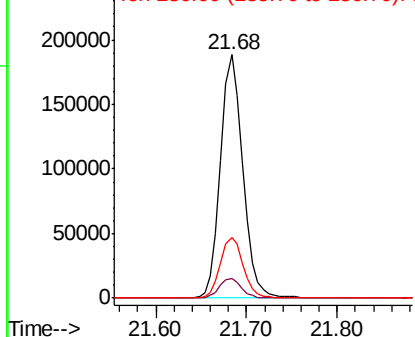


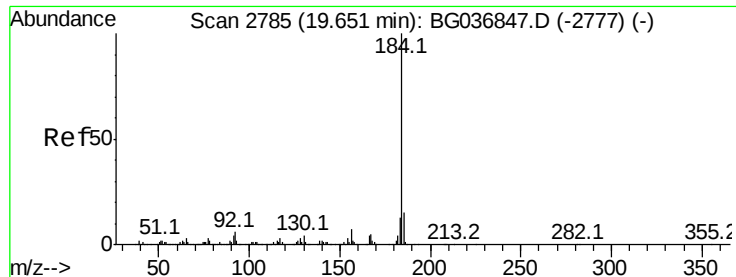
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG036885.D
Acq: 22 Sep 2018 9:01

Tgt Ion:240 Resp: 322658
Ion Ratio Lower Upper
240 100
120 8.3 6.9 10.3
236 24.8 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





#76

Benzidine

Concen: 2.111 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG036885.D

Acq: 22 Sep 2018 9:01

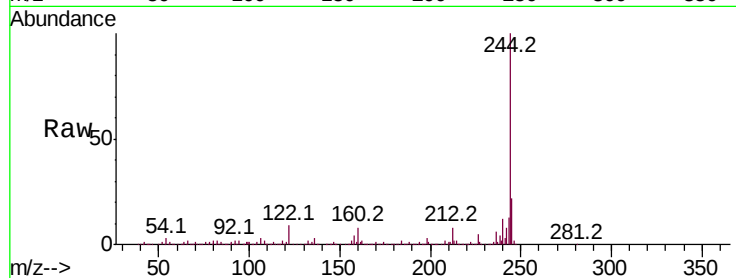
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 20590

Ion	Ratio	Lower	Upper
184	100		
185	18.4	12.6	18.8
183	11.5	10.9	16.3

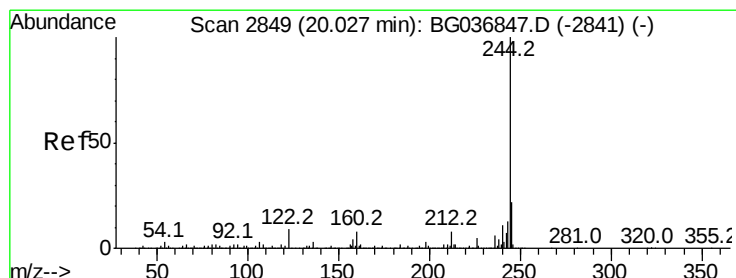
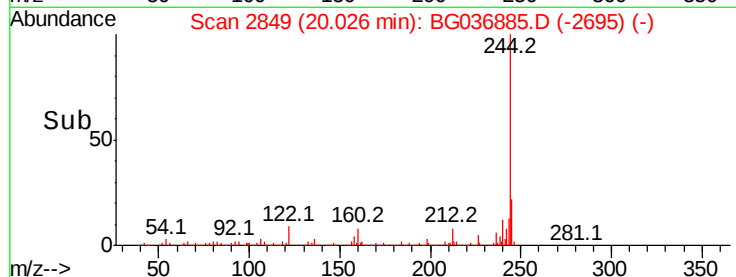
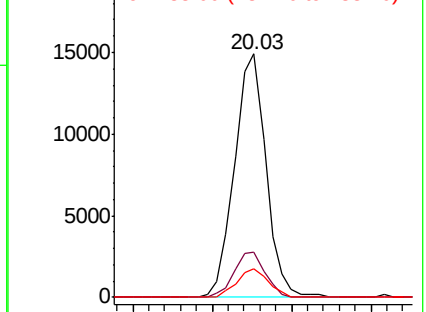


Abundance

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: 101.086 ng

RT: 20.03 min Scan# 2849

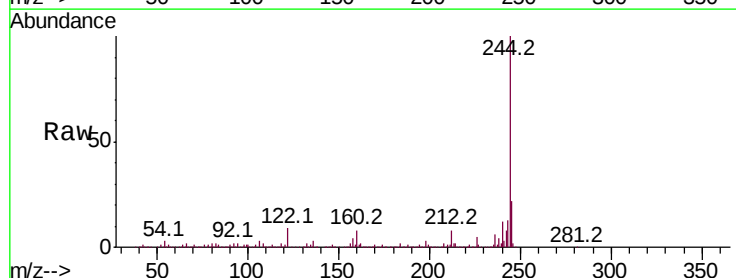
Delta R.T. -0.00 min

Lab File: BG036885.D

Acq: 22 Sep 2018 9:01

Tgt Ion:244 Resp: 1240395

Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.0	10.6
122	8.8	7.1	10.7

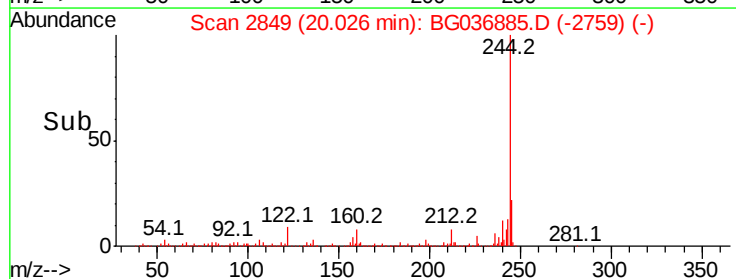
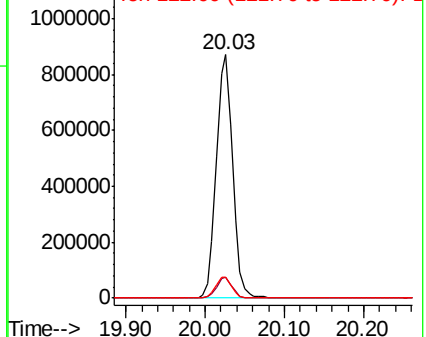


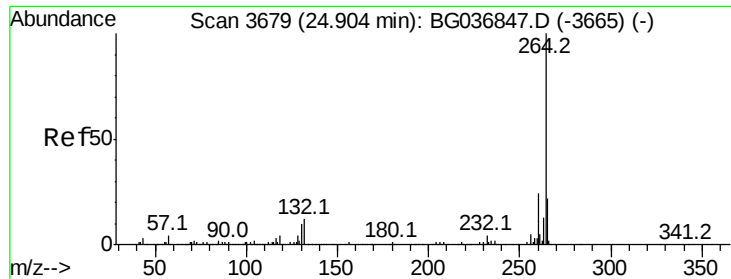
Abundance

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

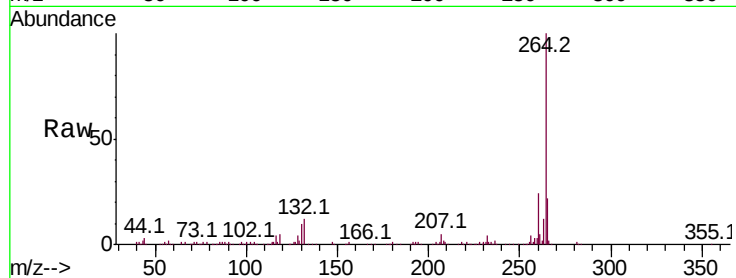




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3677
Delta R.T. -0.01 min
Lab File: BG036885.D
Acq: 22 Sep 2018 9:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	22.4	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

