

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092118\
 Data File : BG036887.D
 Acq On : 22 Sep 2018 10:20
 Operator : JU/SJ
 Sample : J5021-20
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 03:54:12 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

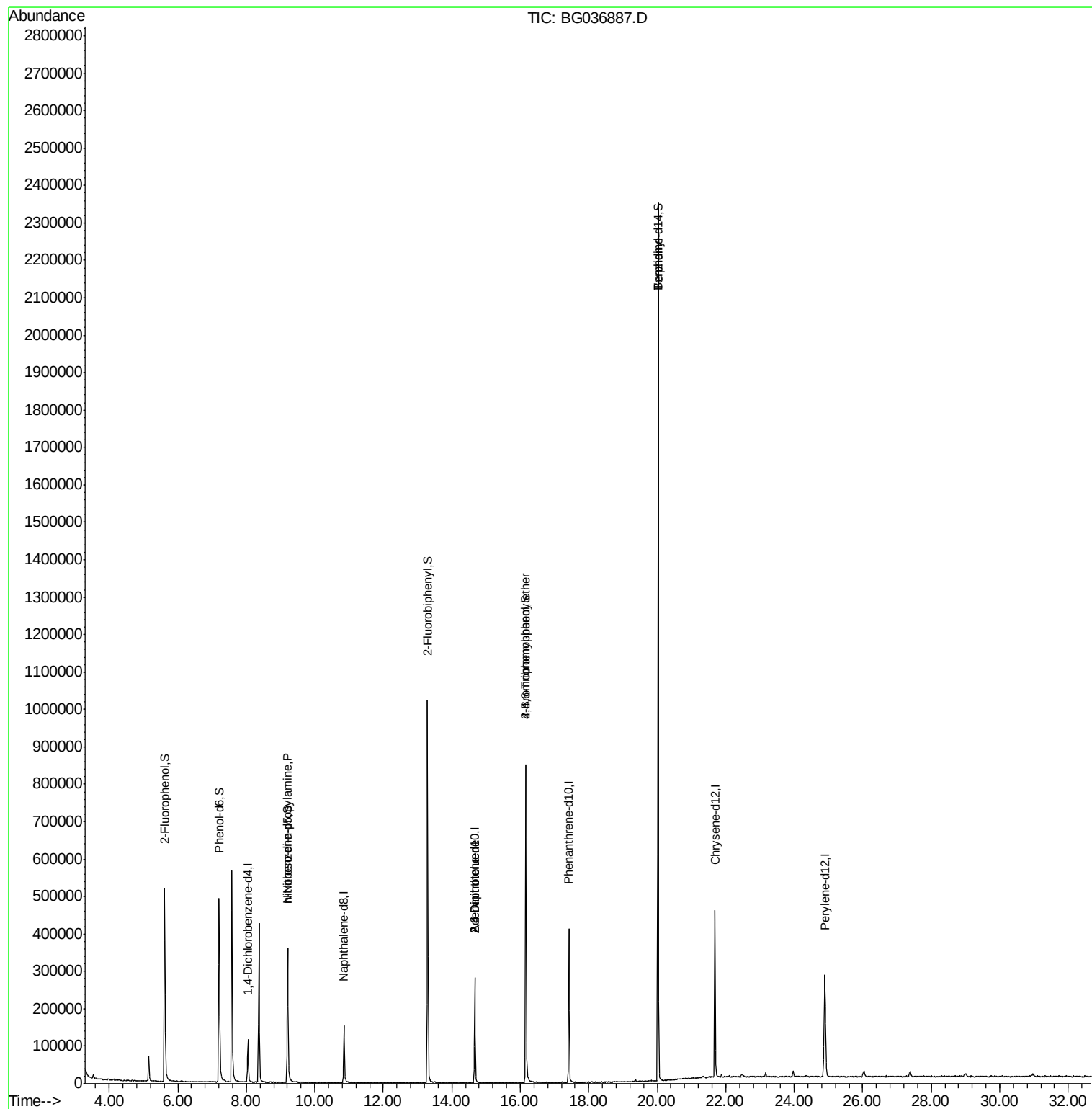
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	36072	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	153564	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	102466	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	277237	20.00	ng	0.00
75) Chrysene-d12	21.68	240	306299	20.00	ng	0.00
86) Perylene-d12	24.89	264	298130	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	249811	132.81	ng	0.00
7) Phenol-d6	7.21	99	322440	110.80	ng	0.00
23) Nitrobenzene-d5	9.21	82	258098	90.00	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	170821	139.34	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	586596	85.26	ng	0.00
78) Terphenyl-d14	20.03	244	1184278	101.67	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	33259	13.738	ng	# 71
50) 2,6-Dinitrotoluene	14.67	165	13395	7.444	ng	# 23
56) 2,4-Dinitrotoluene	14.67	165	13395	5.334	ng	# 21
66) 4-Bromophenyl-phenylether	16.16	248	11957	3.792	ng	# 1
76) Benzidine	20.02	184	19761	2.134	ng	# 89

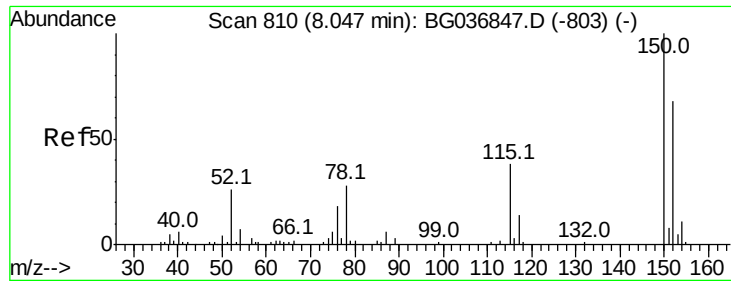
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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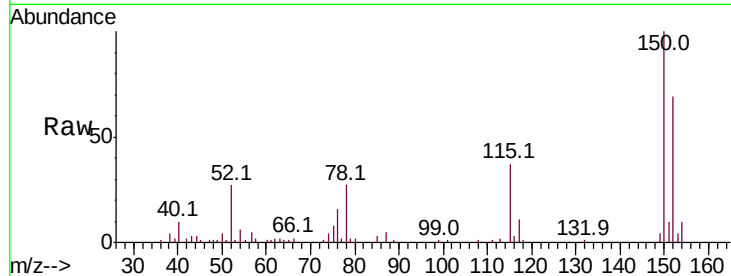


#1

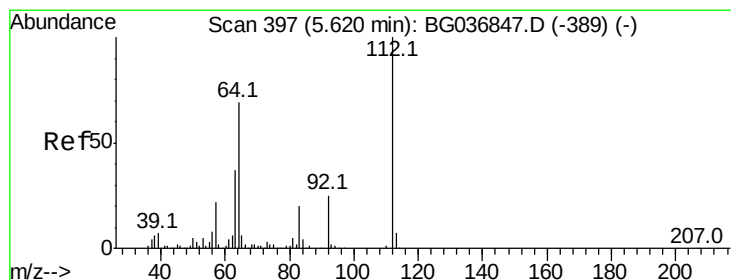
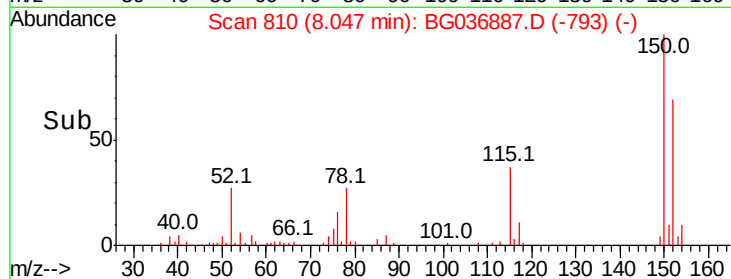
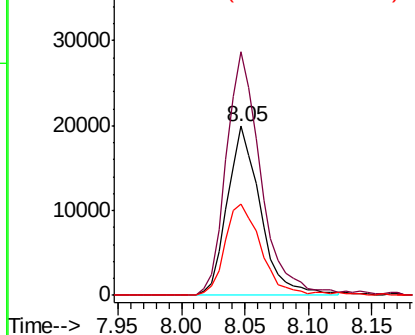
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. 0.00 min
Lab File: BG036887.D
Acq: 22 Sep 2018 10:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 36072
Ion Ratio Lower Upper
152 100
150 144.2 119.5 179.3
115 53.8 44.5 66.7



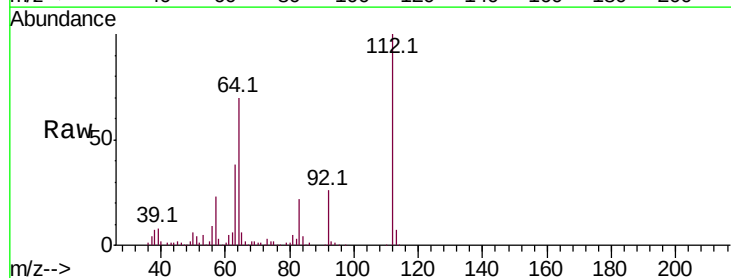
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



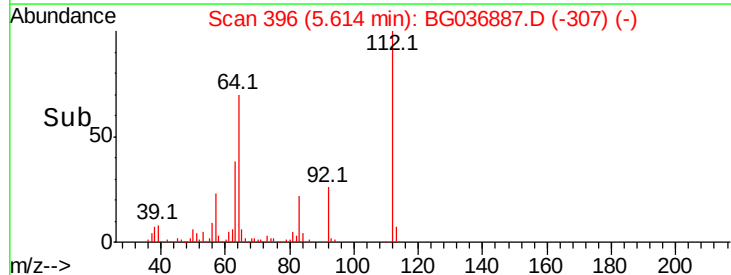
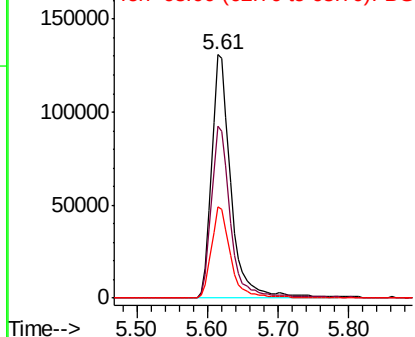
#5

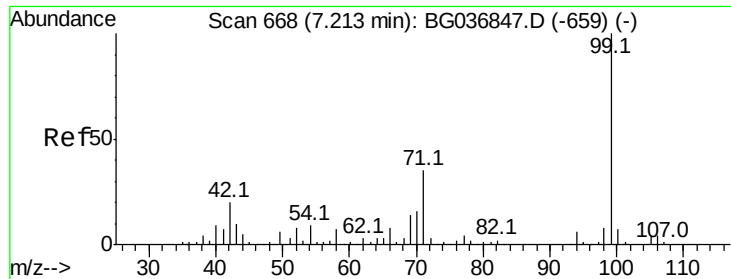
2-Fluorophenol
Concen: 132.813 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG036887.D
Acq: 22 Sep 2018 10:20

Tgt Ion:112 Resp: 249811
Ion Ratio Lower Upper
112 100
64 70.4 57.2 85.8
63 37.7 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: 110.800 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036887.D

Acq: 22 Sep 2018 10:20

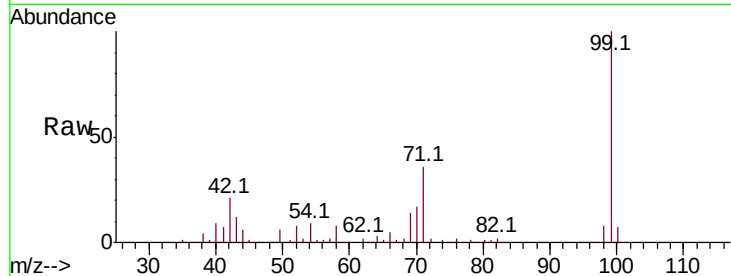
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 322440

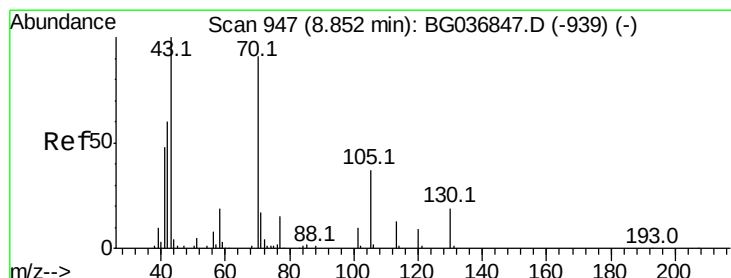
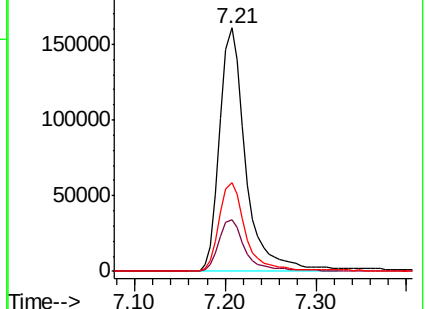
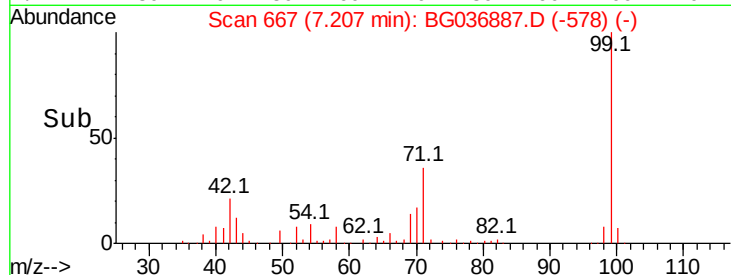
Ion	Ratio	Lower	Upper
99	100		
42	21.4	16.5	24.7
71	36.3	29.4	44.2



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: 13.738 ng

RT: 9.20 min Scan# 1007

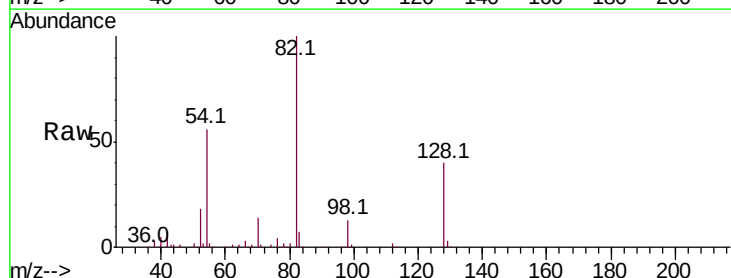
Delta R.T. 0.35 min

Lab File: BG036887.D

Acq: 22 Sep 2018 10:20

Tgt Ion: 70 Resp: 33259

Ion	Ratio	Lower	Upper
70	100		
42	48.6	56.2	84.4#
101	0.0	7.8	11.6#
130	1.4	16.2	24.2#

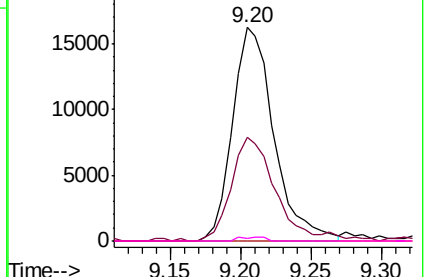
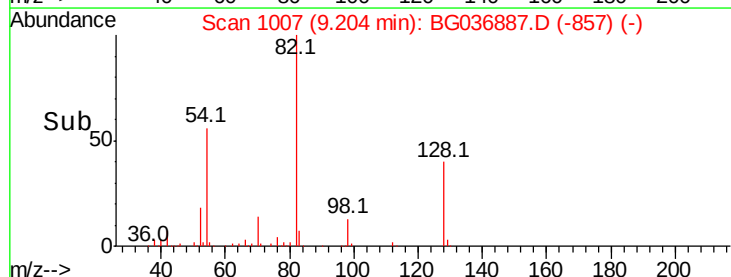


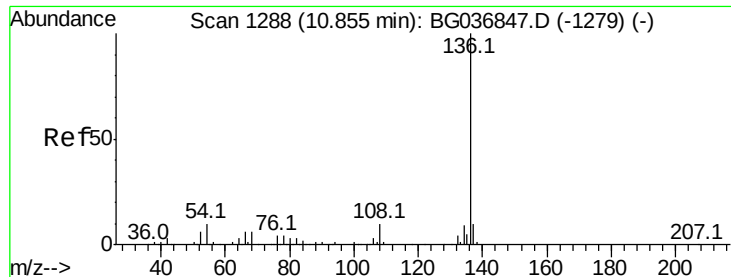
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

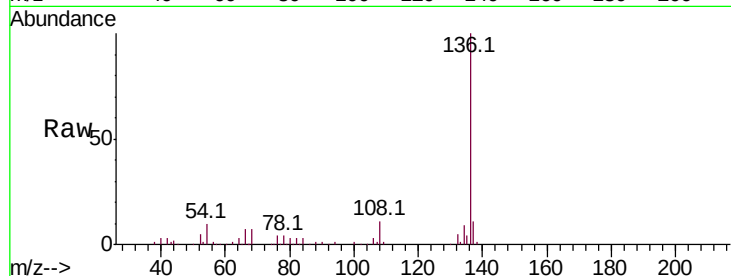




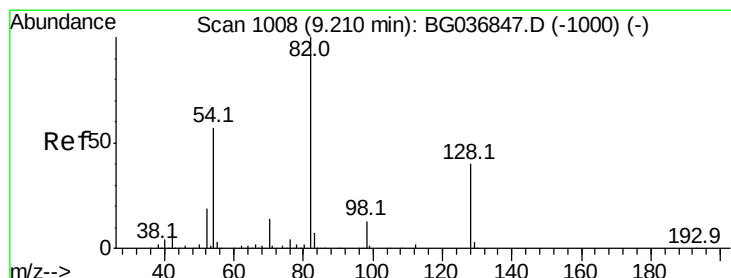
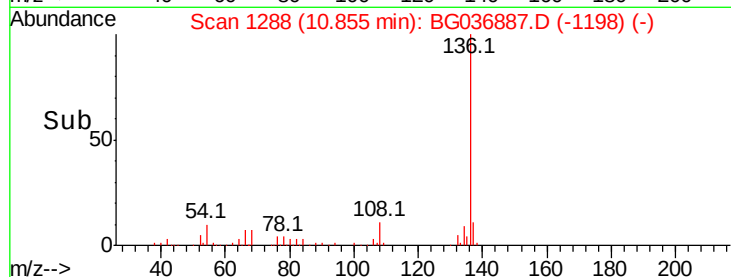
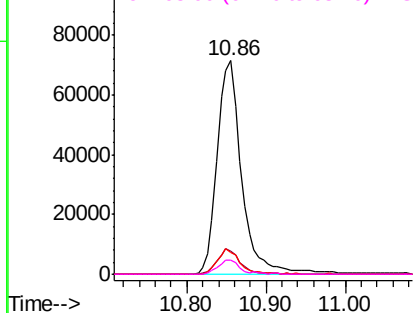
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BG036887.D
Acq: 22 Sep 2018 10:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	153564
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.8 13.2
54	10.0	9.2 13.8
68	6.9	5.8 8.6

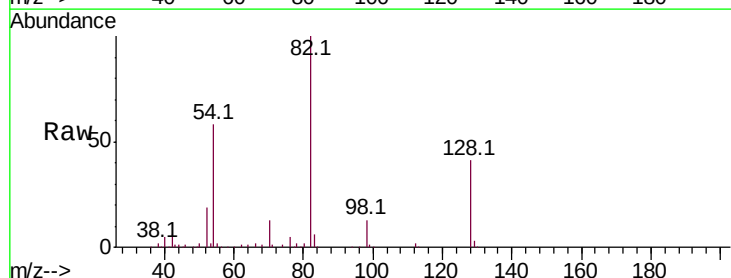


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

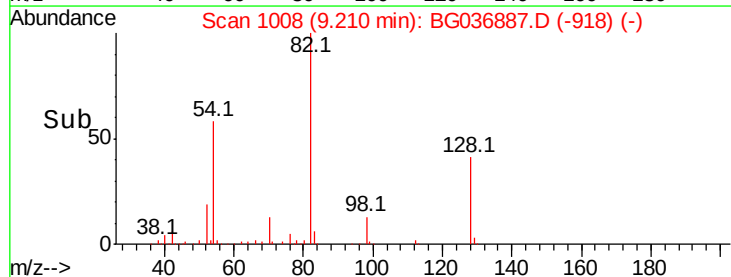
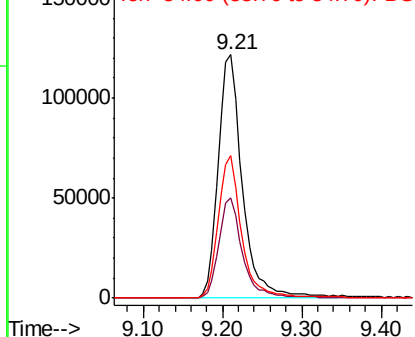


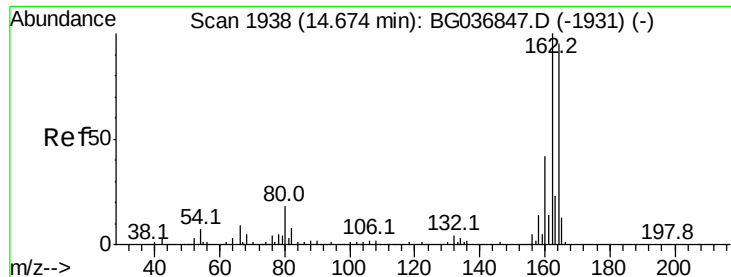
#23
Nitrobenzene-d5
Concen: 90.004 ng
RT: 9.21 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BG036887.D
Acq: 22 Sep 2018 10:20

Tgt Ion: 82	Resp:	258098
Ion	Ratio	Lower Upper
82	100	
128	41.1	33.3 49.9
54	58.3	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: BG036887.D

Acq: 22 Sep 2018 10:20

Instrument :

BNA_G

ClientSampleId :

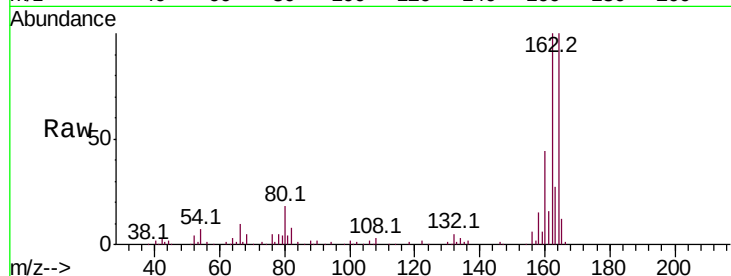
Tot Ion:164 Resp: 102466

Ion Ratio Lower Upper

164 100

162 99.5 80.7 121.1

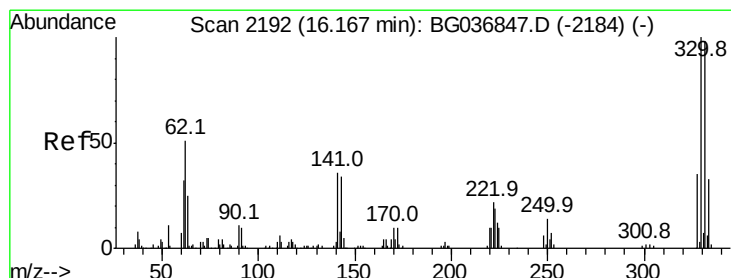
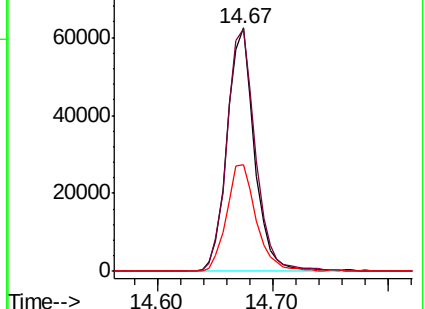
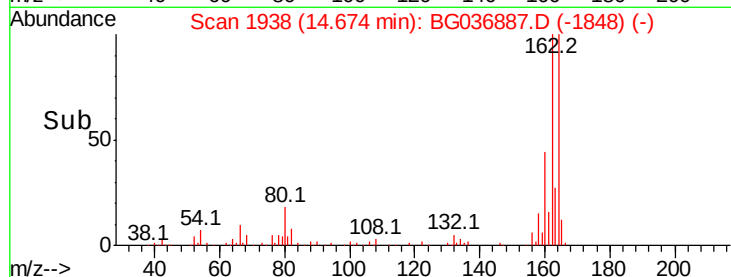
160 43.6 35.3 52.9



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: 139.338 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036887.D

Acq: 22 Sep 2018 10:20

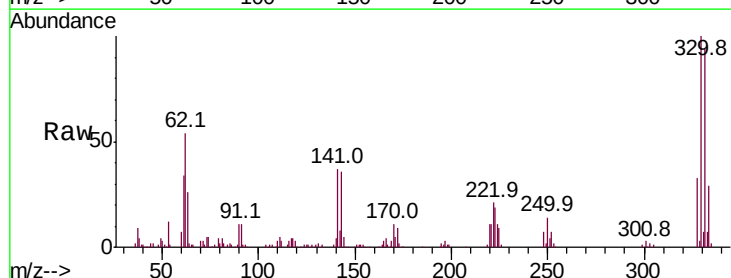
Tgt Ion:330 Resp: 170821

Ion Ratio Lower Upper

330 100

332 95.7 75.4 113.2

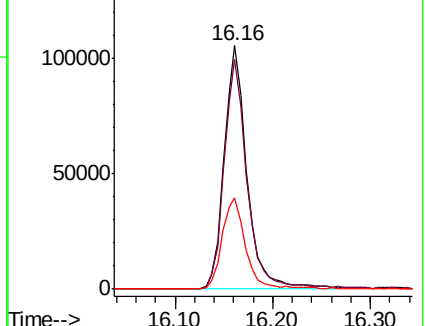
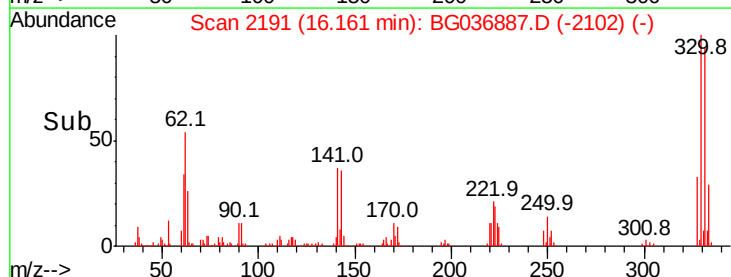
141 38.7 30.7 46.1

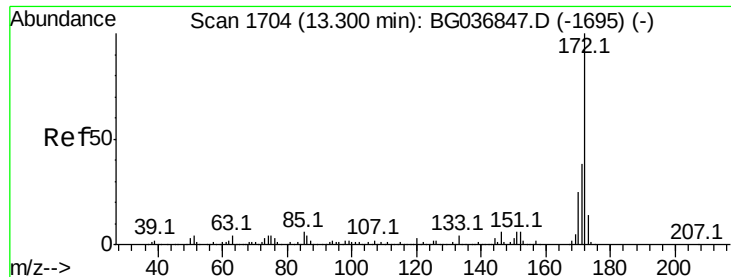


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

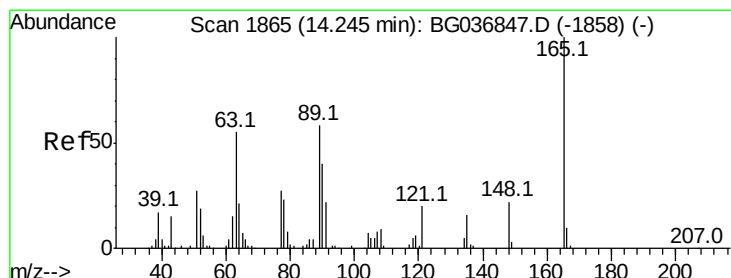
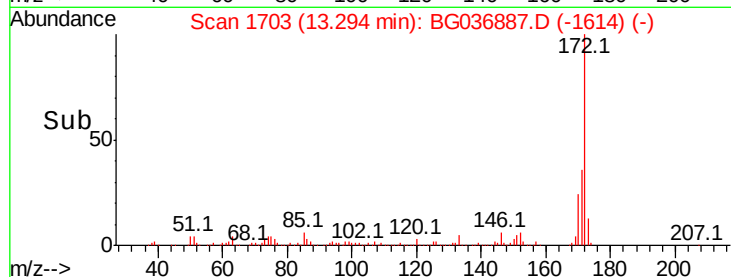
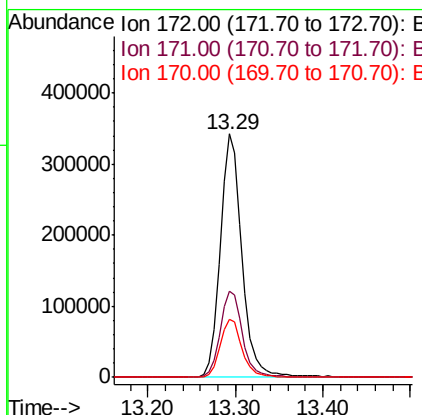
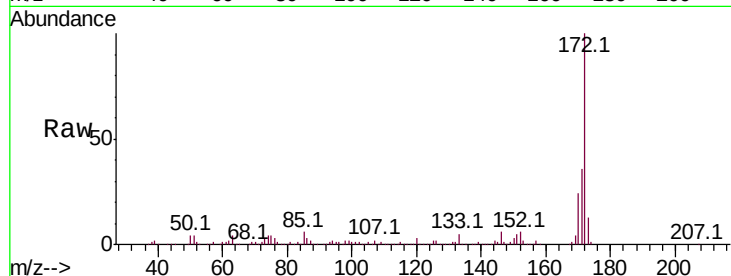




#44
2-Fluorobiphenyl
Concen: 85.264 ng
RT: 13.29 min Scan# 1703
Delta R.T. -0.01 min
Lab File: BG036887.D
Acq: 22 Sep 2018 10:20

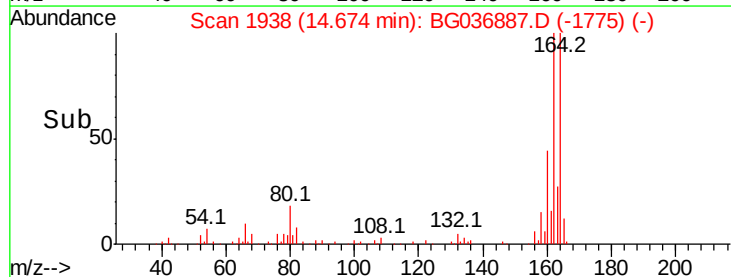
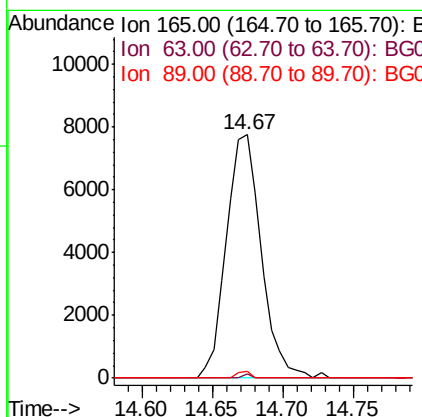
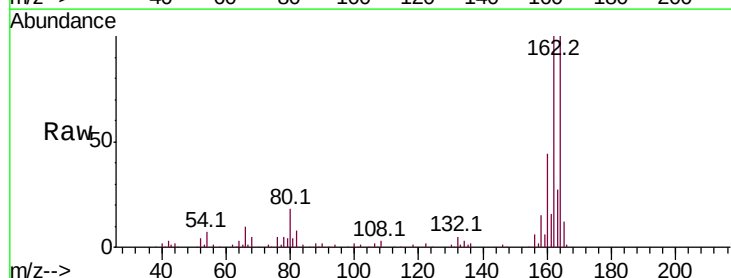
Instrument :
BNA_G
ClientSampleId :

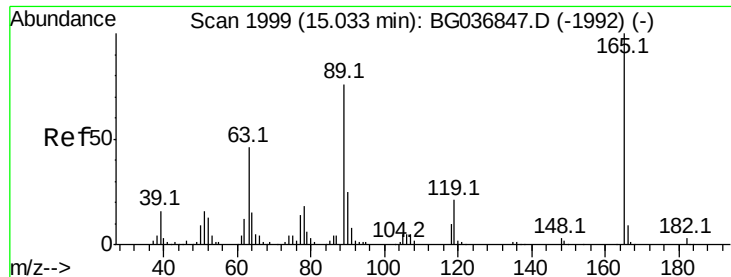
Tot Ion:172 Resp: 586596
Ion Ratio Lower Upper
172 100
171 35.6 31.3 46.9
170 23.7 21.0 31.6



#50
2,6-Dinitrotoluene
Concen: 7.444 ng
RT: 14.67 min Scan# 1938
Delta R.T. 0.43 min
Lab File: BG036887.D
Acq: 22 Sep 2018 10:20

Tgt Ion:165 Resp: 13395
Ion Ratio Lower Upper
165 100
63 2.0 50.1 75.1#
89 2.8 47.8 71.6#

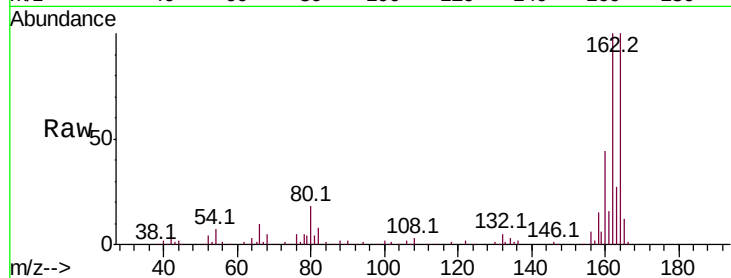




#56
 2,4-Dinitrotoluene
 Concen: 5.334 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.36 min
 Lab File: BG036887.D
 Acq: 22 Sep 2018 10:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	40.1	60.1#
89	2.8	63.7	95.5#
182	0.0	2.5	3.7#



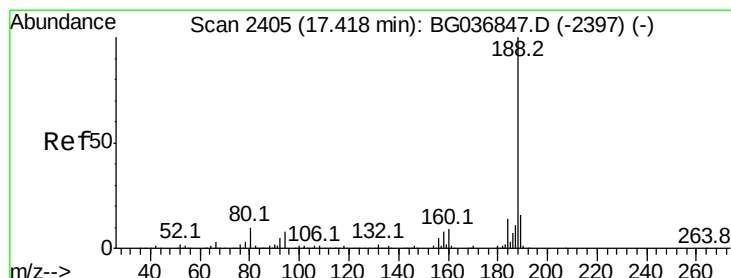
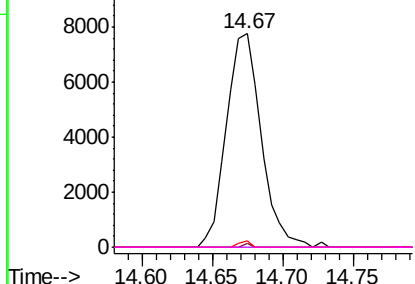
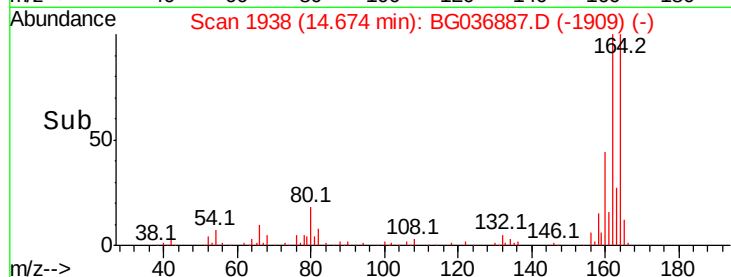
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

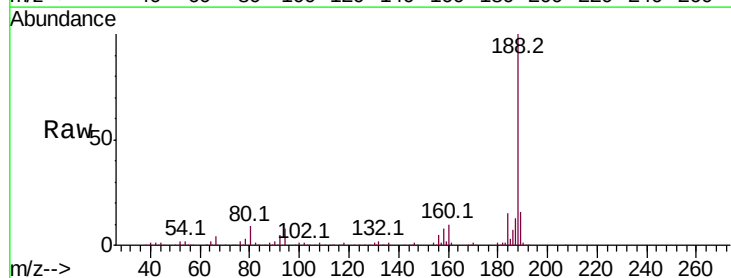
Ion 89.00 (88.70 to 89.70): BGC

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: BG036887.D
 Acq: 22 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.7	10.1
80	9.5	8.1	12.1

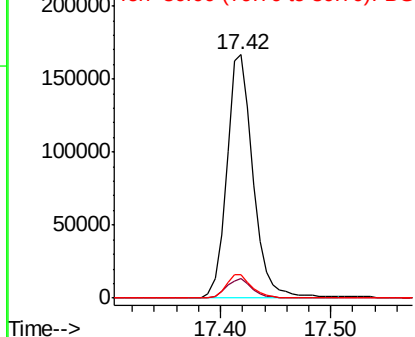
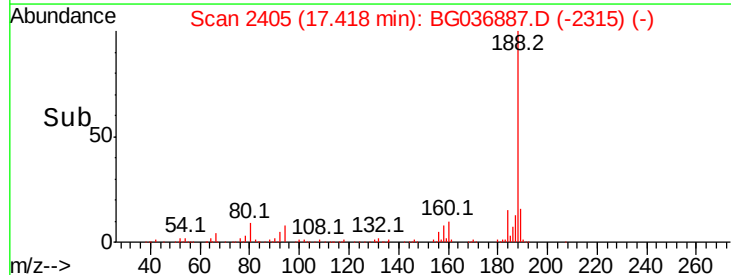


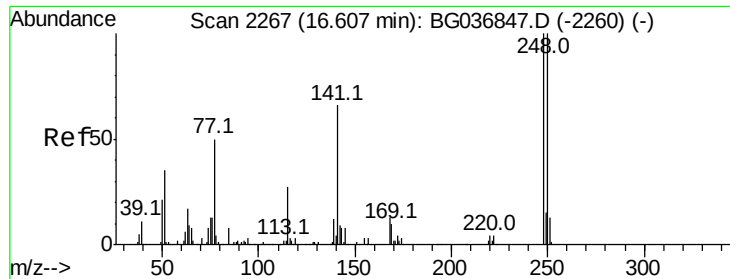
Abundance

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

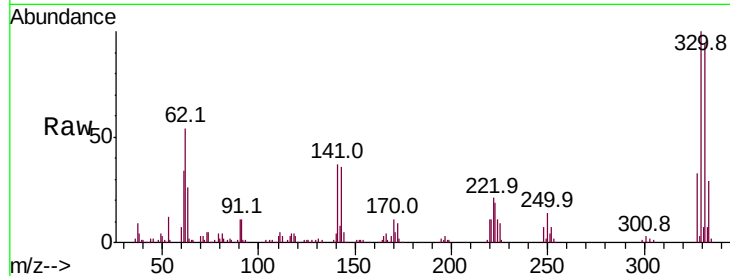




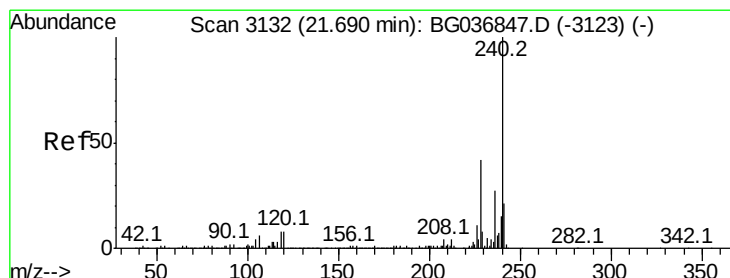
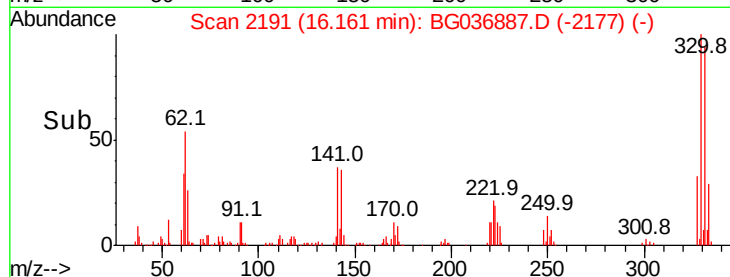
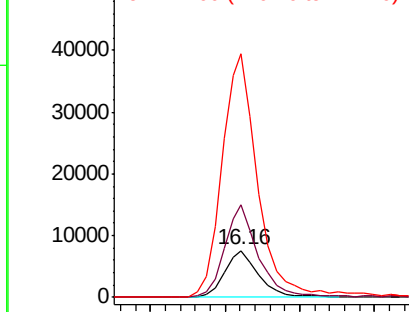
#66
 4-Bromophenyl-phenylether
 Concen: 3.792 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.45 min
 Lab File: BG036887.D
 Acq: 22 Sep 2018 10:20

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 11957
 Ion Ratio Lower Upper
 248 100
 250 199.9 78.1 117.1#
 141 522.3 53.7 80.5#

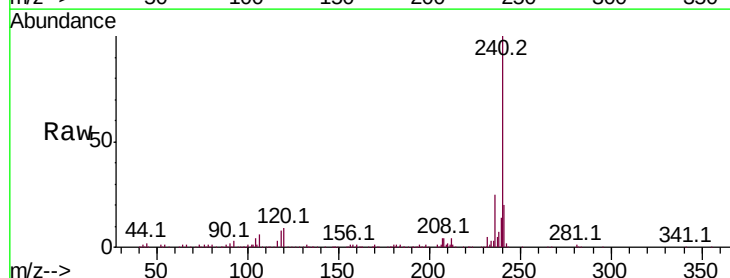


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

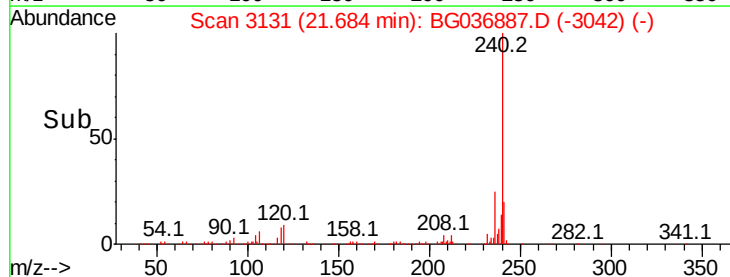
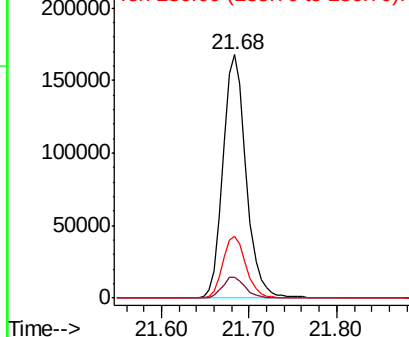


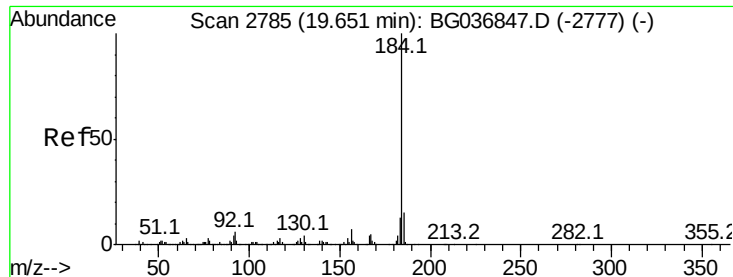
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BG036887.D
 Acq: 22 Sep 2018 10:20

Tgt Ion:240 Resp: 306299
 Ion Ratio Lower Upper
 240 100
 120 8.6 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: 2.134 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036887.D

Acq: 22 Sep 2018 10:20

Instrument :

BNA_G

ClientSampleId :

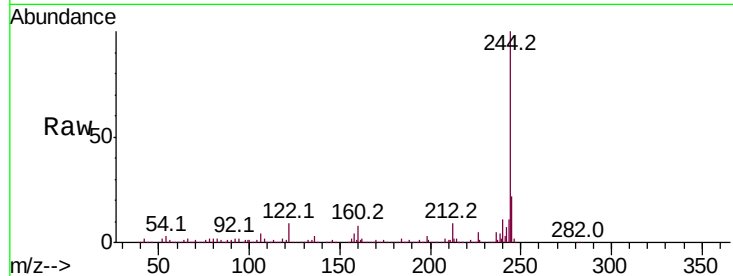
Tot Ion:184 Resp: 19761

Ion Ratio Lower Upper

184 100

185 19.8 12.6 18.8#

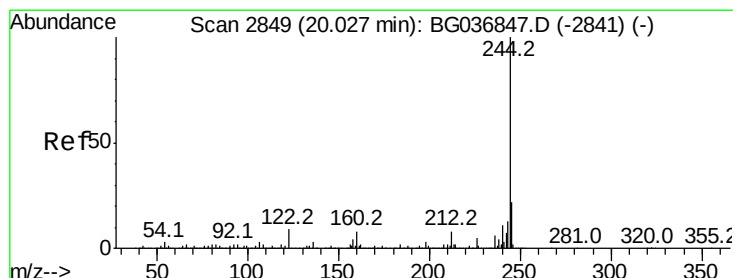
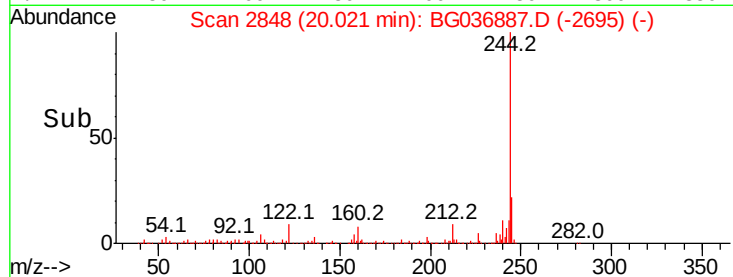
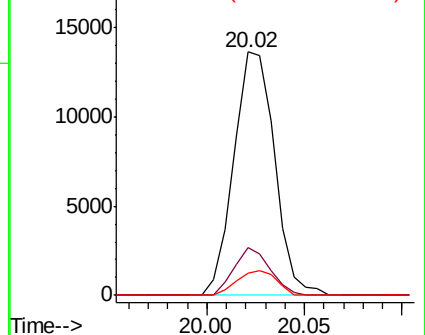
183 9.0 10.9 16.3#



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: 101.667 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BG036887.D

Acq: 22 Sep 2018 10:20

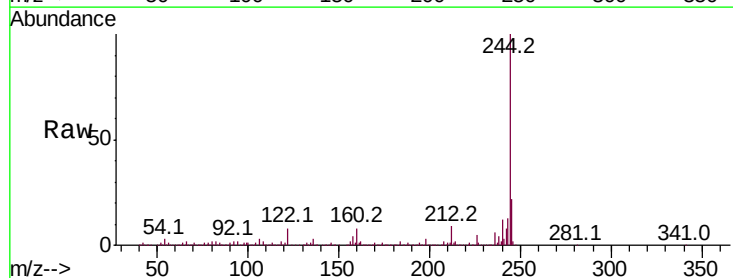
Tgt Ion:244 Resp: 1184278

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

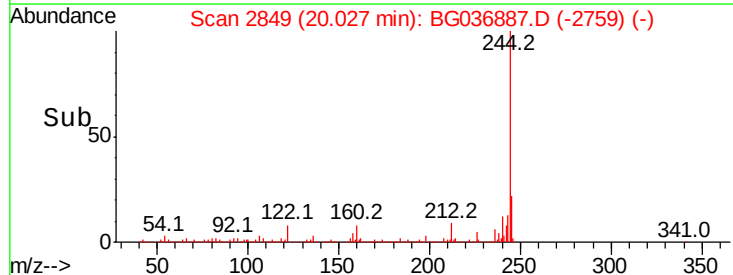
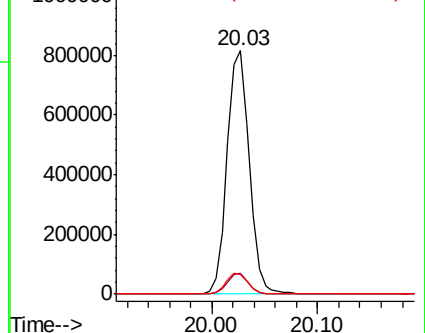
122 8.0 7.1 10.7

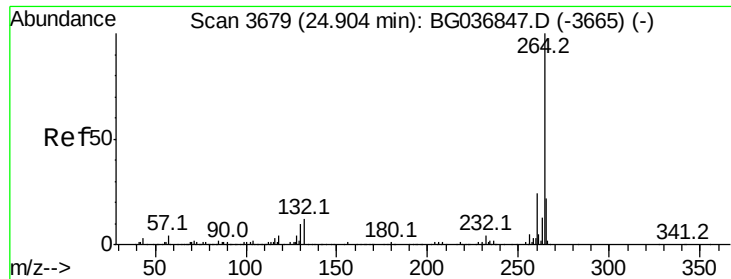


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

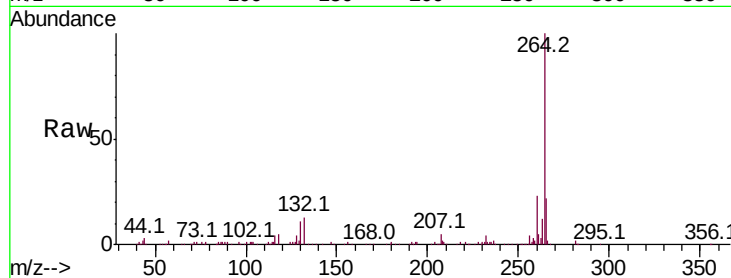




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3677
Delta R.T. -0.01 min
Lab File: BG036887.D
Acq: 22 Sep 2018 10:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	298130
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.6	29.4
265	22.0	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

