

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083118\
 Data File : BG036507.D
 Acq On : 31 Aug 2018 15:51
 Operator : JU/SJ
 Sample : PB112500BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 31 17:44:07 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

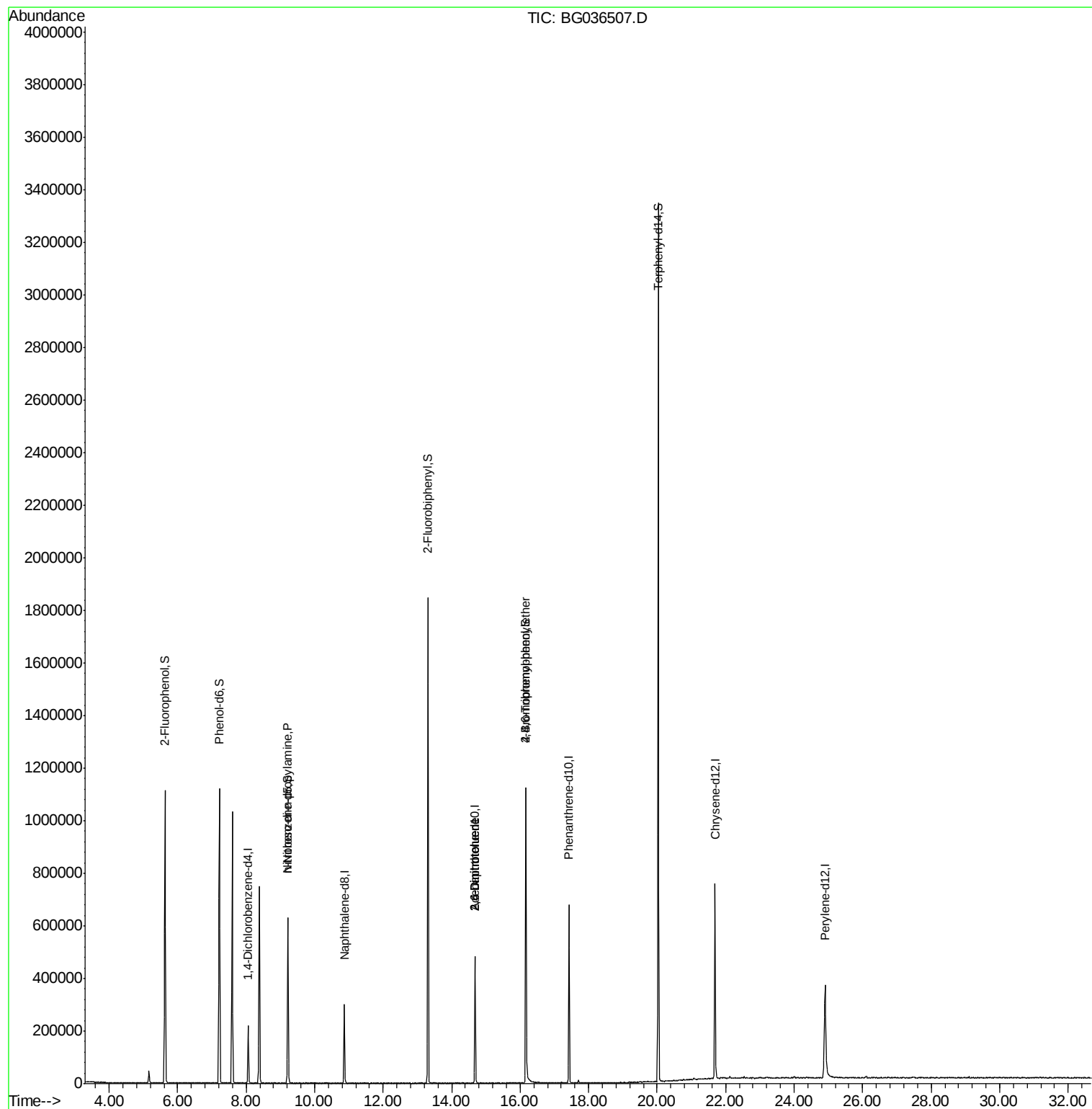
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	62834	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	254055	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	165860	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	440864	20.00	ng	0.00
75) Chrysene-d12	21.69	240	474364	20.00	ng	0.00
86) Perylene-d12	24.90	264	445138	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	468412	118.25	ng	0.00
7) Phenol-d6	7.22	99	644182	113.59	ng	0.00
23) Nitrobenzene-d5	9.22	82	375778	80.25	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	228985	115.70	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	921897	79.36	ng	0.00
78) Terphenyl-d14	20.04	244	1612207	79.44	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	49771	11.743	ng	# 67
50) 2,6-Dinitrotoluene	14.68	165	21015	7.541	ng	# 23
56) 2,4-Dinitrotoluene	14.68	165	21015	5.786	ng	# 21
66) 4-Bromophenyl-phenylether	16.17	248	16073	3.114	ng	# 1

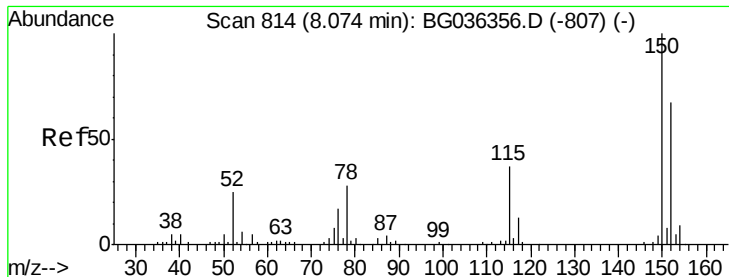
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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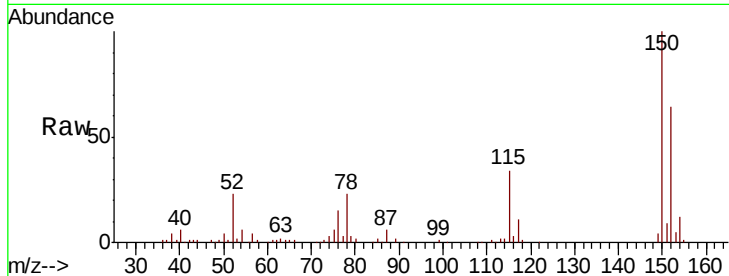


#1

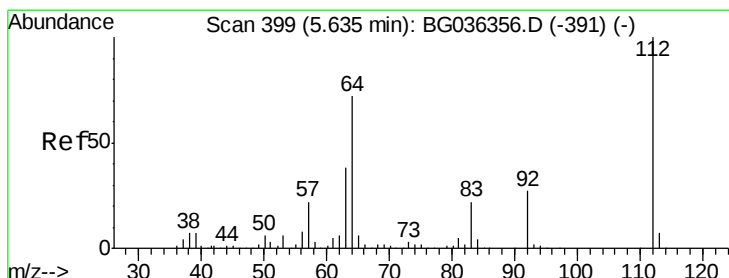
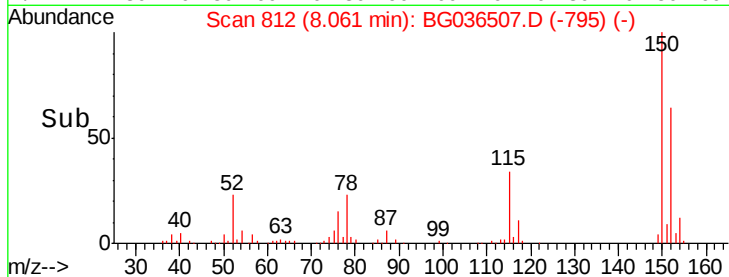
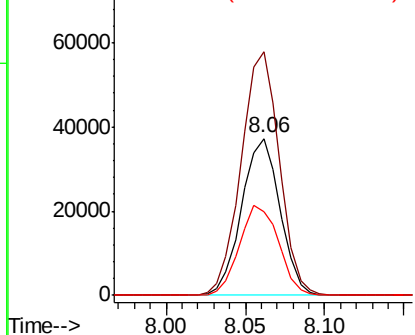
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG036507.D
Acq: 31 Aug 2018 15:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 62834
Ion Ratio Lower Upper
152 100
150 155.5 119.5 179.3
115 53.3 44.5 66.7



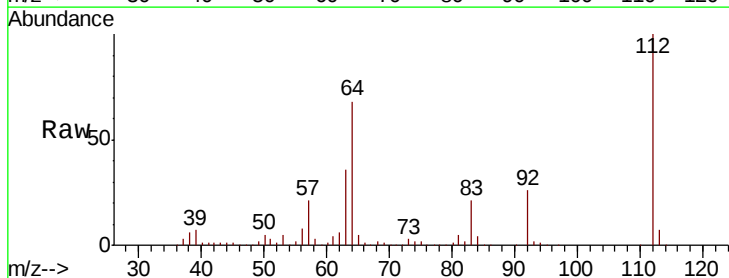
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



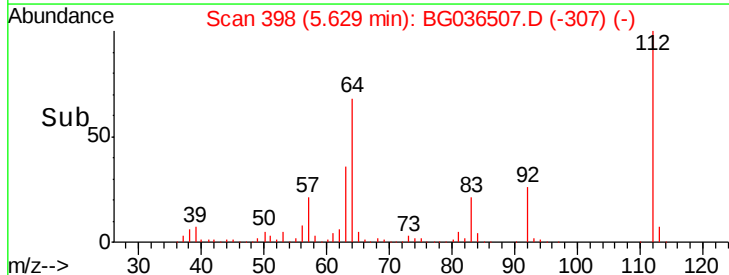
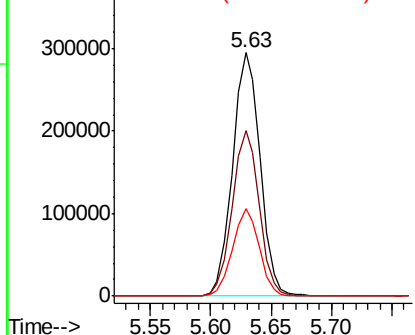
#5

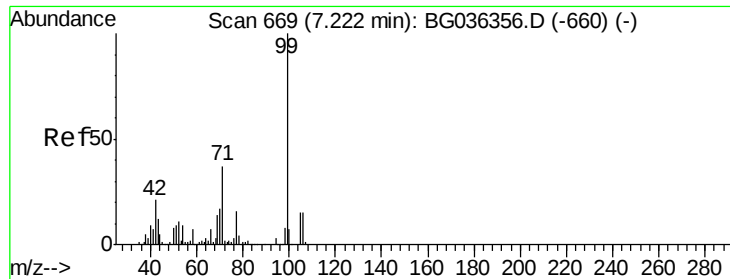
2-Fluorophenol
Concen: 118.254 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.00 min
Lab File: BG036507.D
Acq: 31 Aug 2018 15:51

Tgt Ion:112 Resp: 468412
Ion Ratio Lower Upper
112 100
64 68.0 57.2 85.8
63 36.0 30.8 46.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 113.587 ng

RT: 7.22 min Scan# 668

Delta R.T. -0.00 min

Lab File: BG036507.D

Acq: 31 Aug 2018 15:51

Instrument :

BNA_G

ClientSampled :

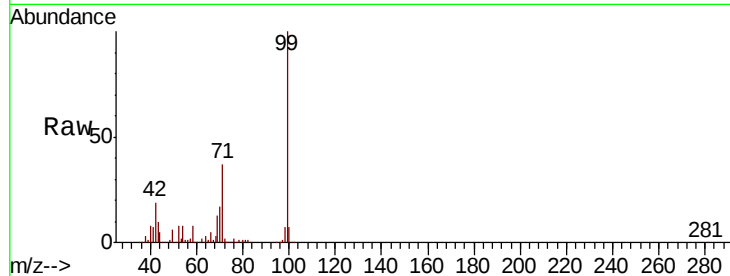
Tot Ion: 99 Resp: 644182

Ion Ratio Lower Upper

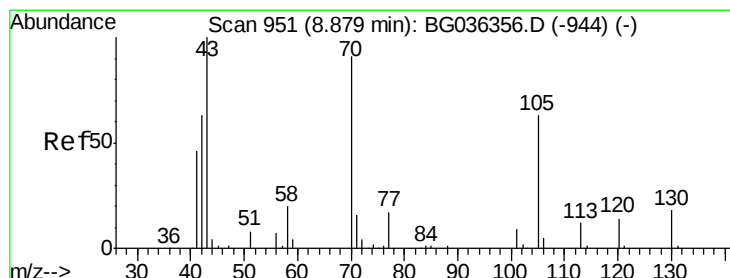
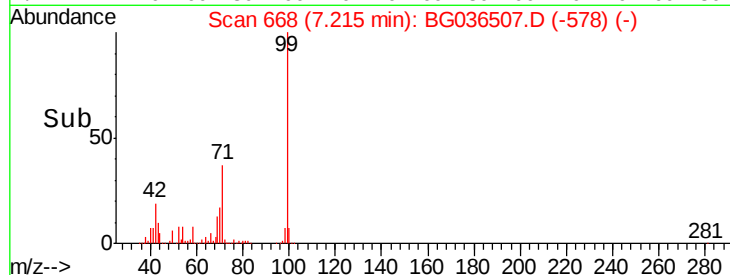
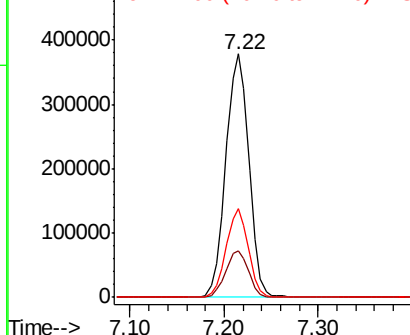
99 100

42 19.3 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: 11.743 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BG036507.D

Acq: 31 Aug 2018 15:51

Tgt Ion: 70 Resp: 49771

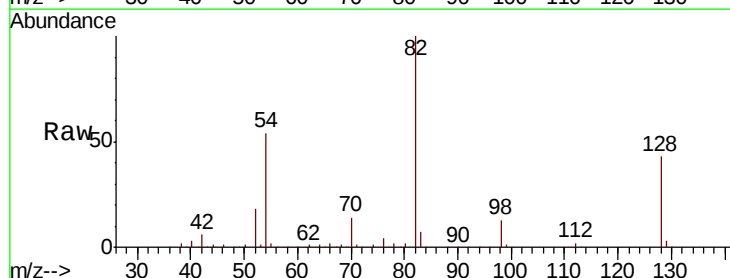
Ion Ratio Lower Upper

70 100

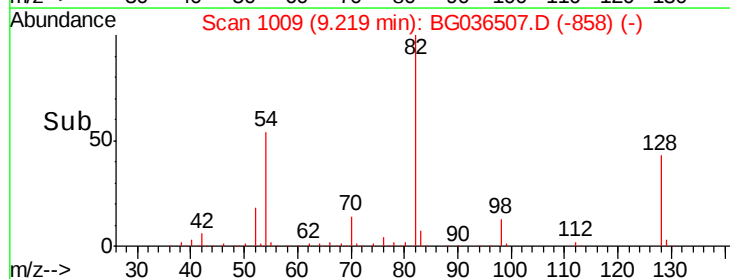
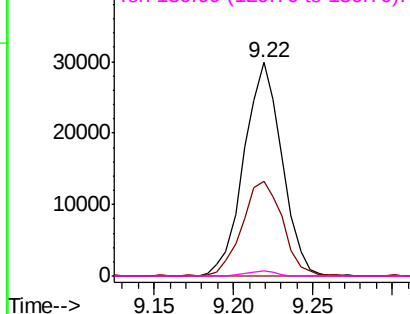
42 44.4 56.2 84.4#

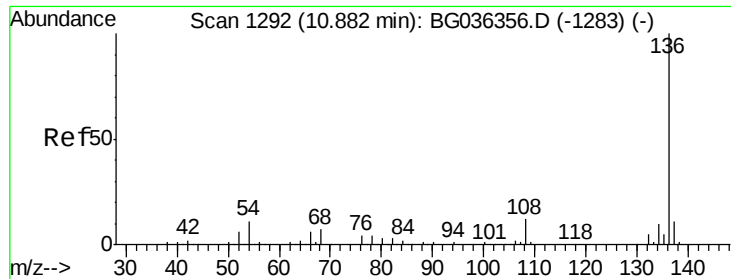
101 0.0 7.8 11.6#

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

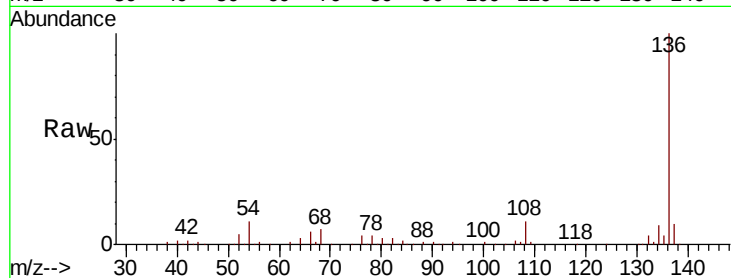




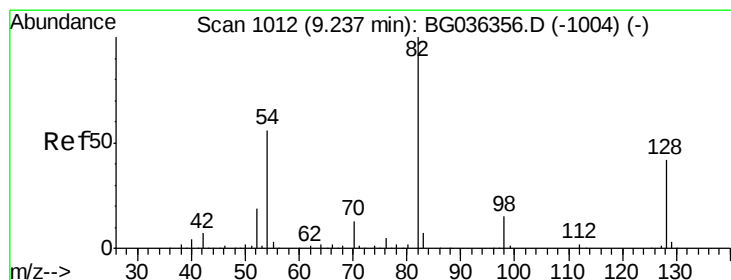
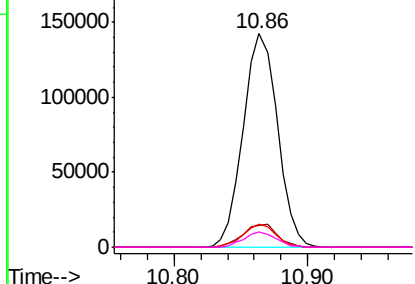
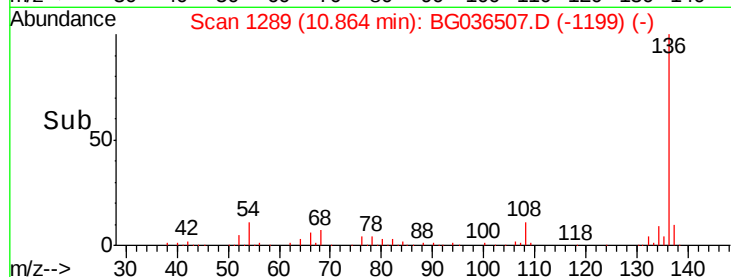
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG036507.D
Acq: 31 Aug 2018 15:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	254055
Ion	Ratio	Lower Upper
136	100	
137	10.3	8.8 13.2
54	10.5	9.2 13.8
68	7.3	5.8 8.6

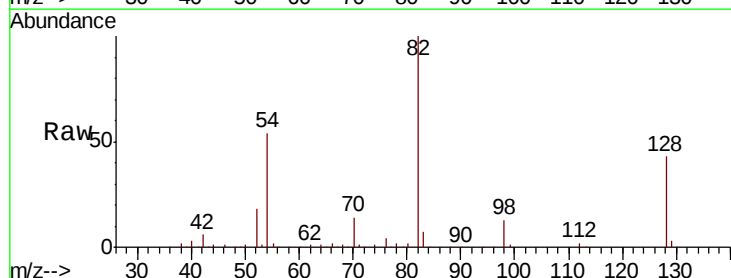


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

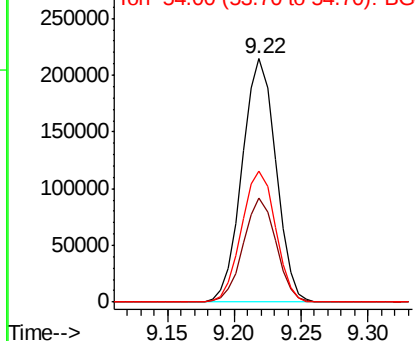
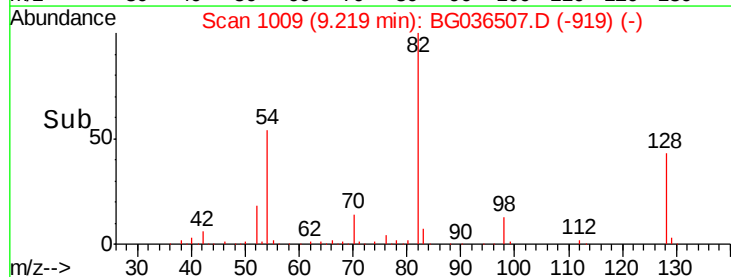


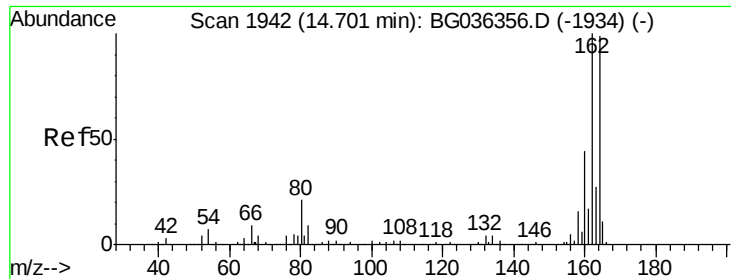
#23
Nitrobenzene-d5
Concen: 80.252 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BG036507.D
Acq: 31 Aug 2018 15:51

Tgt Ion: 82	Resp:	375778
Ion	Ratio	Lower Upper
82	100	
128	43.0	33.3 49.9
54	54.0	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: 14.68 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG036507.D

Acq: 31 Aug 2018 15:51

Instrument :

BNA_G

ClientSampleId :

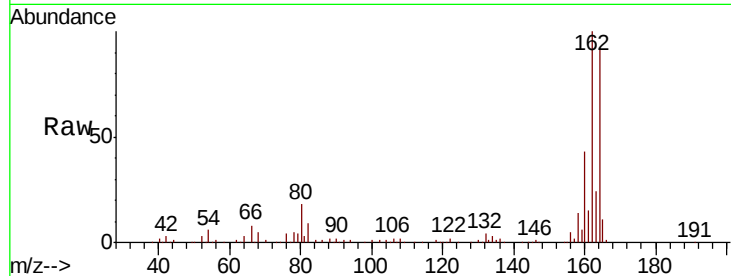
Tot Ion:164 Resp: 165860

Ion Ratio Lower Upper

164 100

162 108.2 80.7 121.1

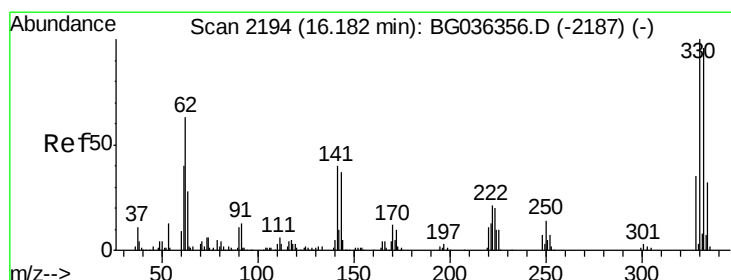
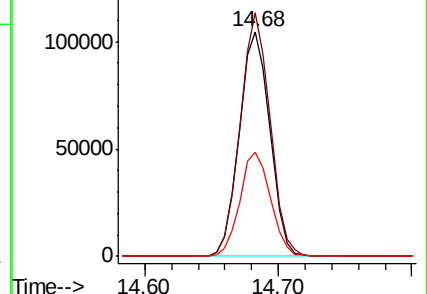
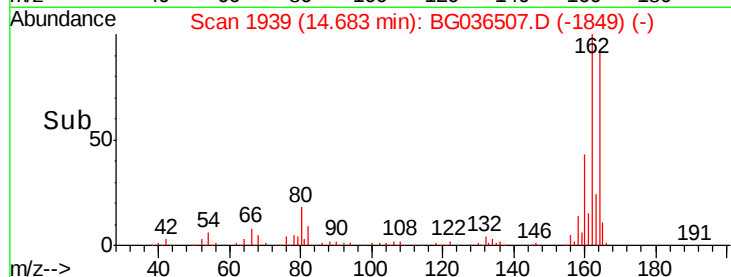
160 46.1 35.3 52.9



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: 115.703 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG036507.D

Acq: 31 Aug 2018 15:51

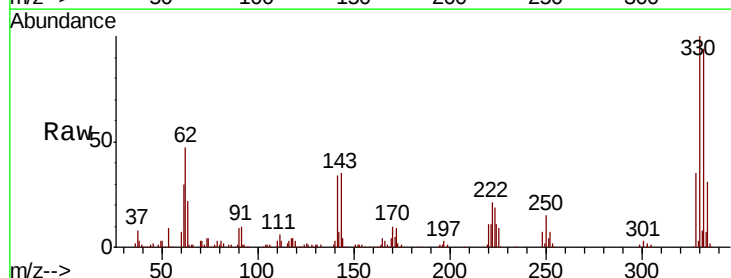
Tgt Ion:330 Resp: 228985

Ion Ratio Lower Upper

330 100

332 97.2 75.4 113.2

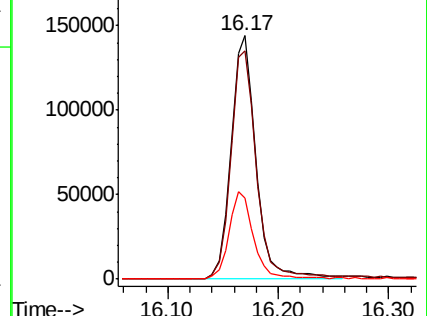
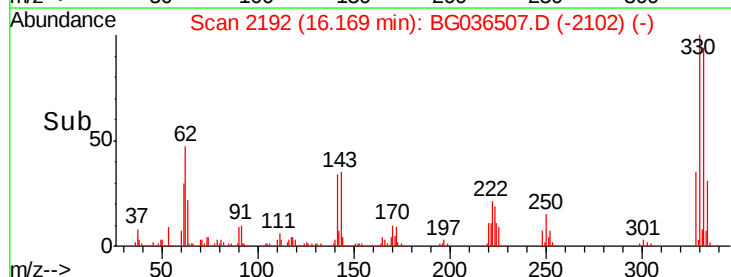
141 35.5 30.7 46.1

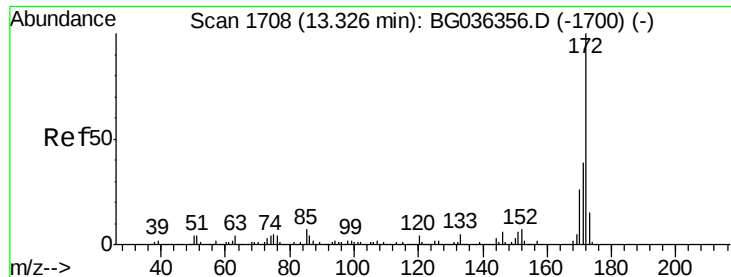


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

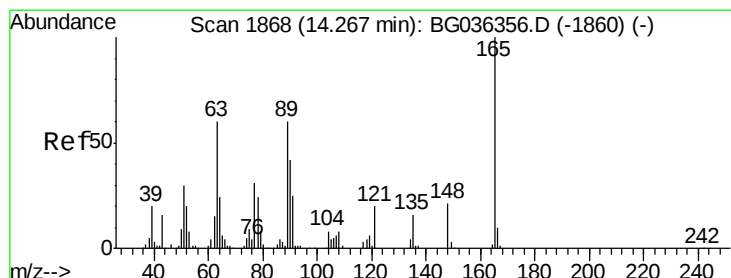
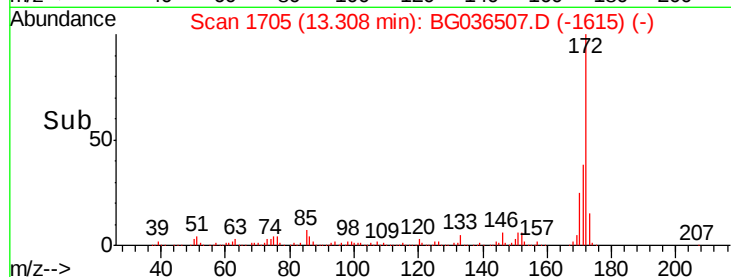
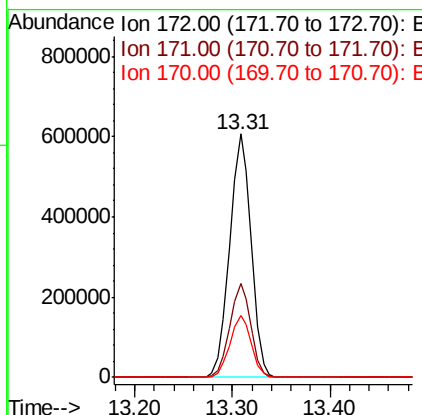
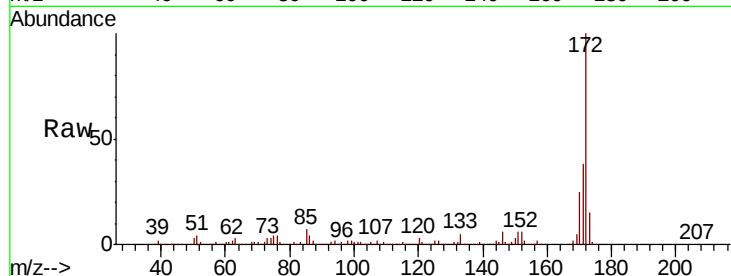




#44
2-Fluorobiphenyl
Concen: 79.362 ng
RT: 13.31 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BG036507.D
Acq: 31 Aug 2018 15:51

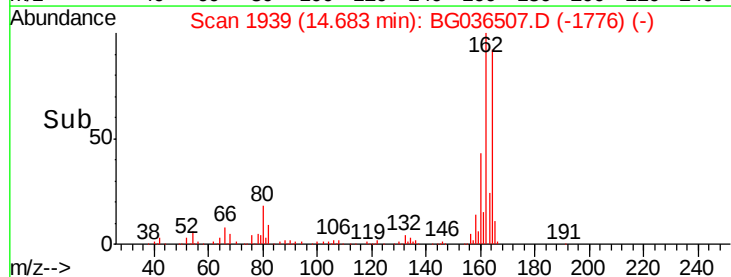
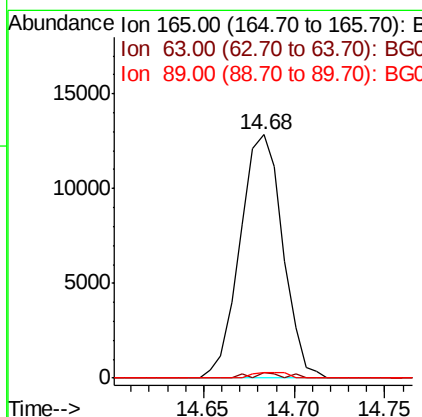
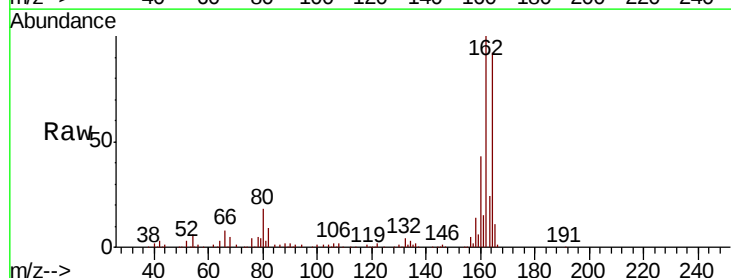
Instrument :
BNA_G
ClientSampleId :

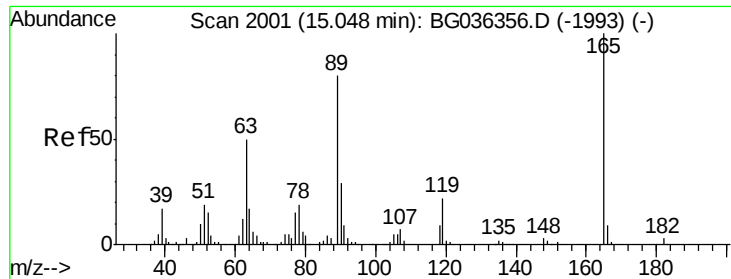
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.4	31.3	46.9
170	25.4	21.0	31.6



#50
2,6-Dinitrotoluene
Concen: 7.541 ng
RT: 14.68 min Scan# 1939
Delta R.T. 0.43 min
Lab File: BG036507.D
Acq: 31 Aug 2018 15:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	50.1	75.1#
89	2.3	47.8	71.6#

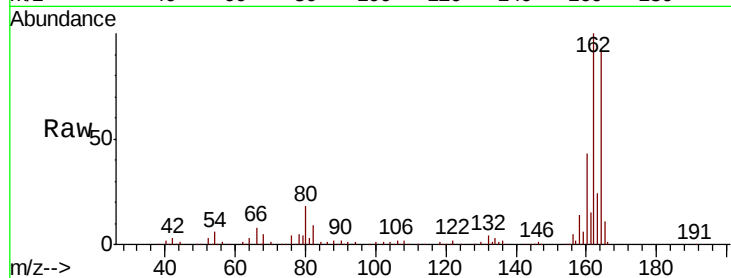




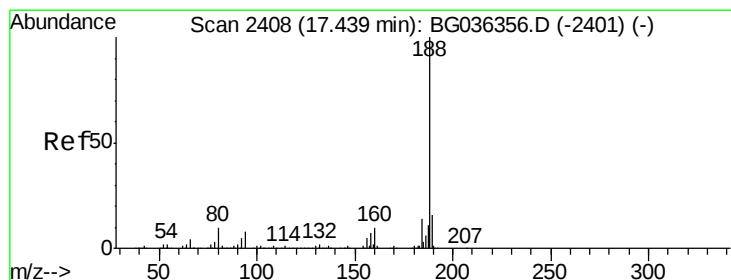
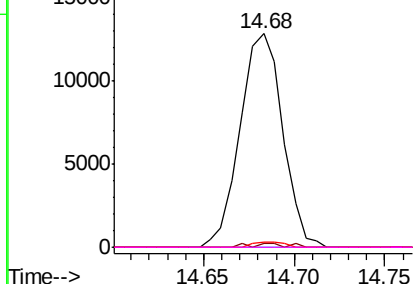
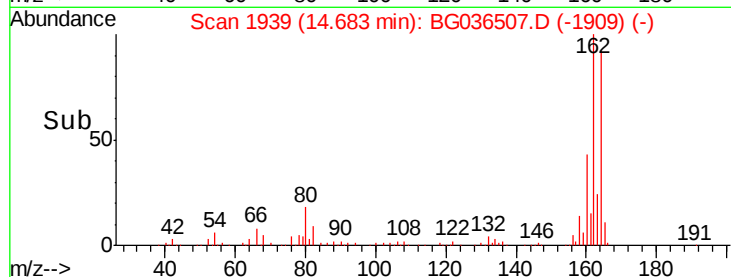
#56
 2,4-Dinitrotoluene
 Concen: 5.786 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.35 min
 Lab File: BG036507.D
 Acq: 31 Aug 2018 15:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	21015
Ion	Ratio	Lower	Upper
165	100		
63	2.0	40.1	60.1#
89	2.3	63.7	95.5#
182	0.0	2.5	3.7#

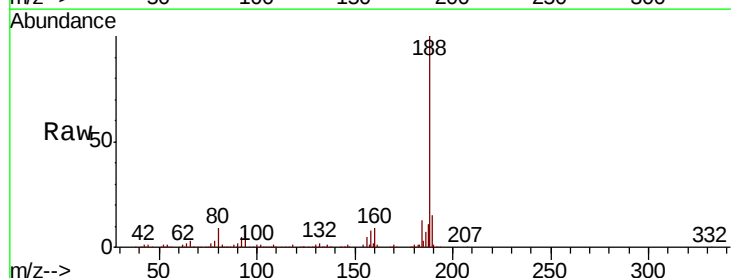


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

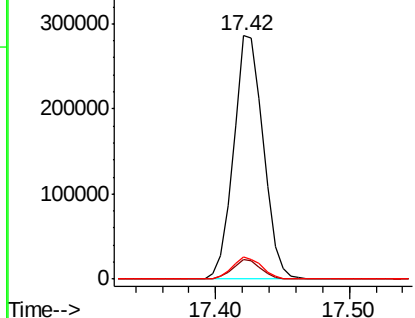
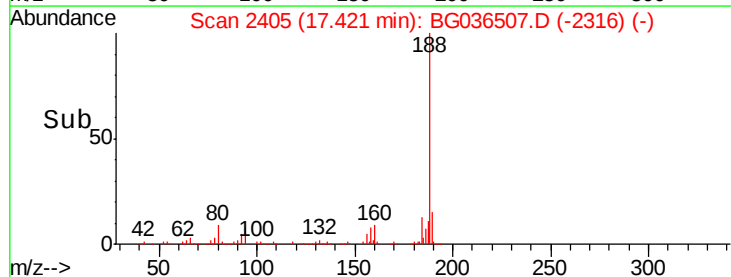


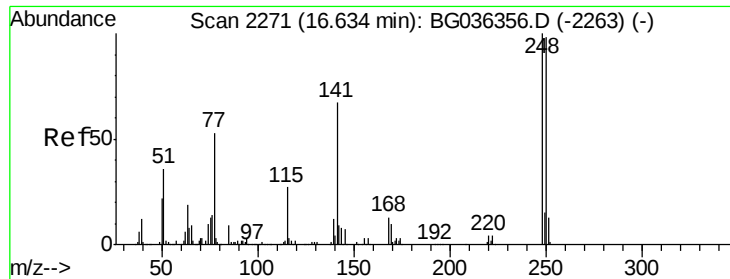
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.01 min
 Lab File: BG036507.D
 Acq: 31 Aug 2018 15:51

Tgt Ion:	188	Resp:	440864
Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.7	10.1
80	9.4	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

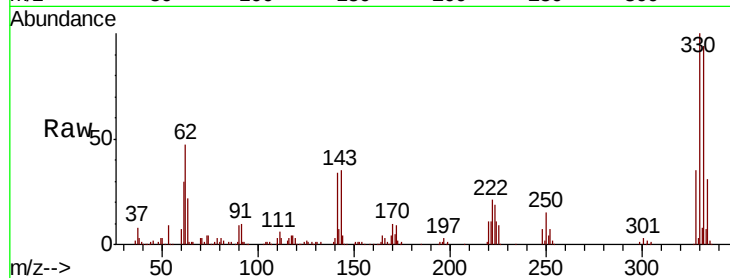




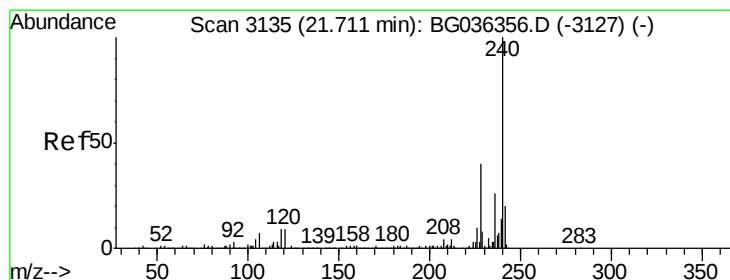
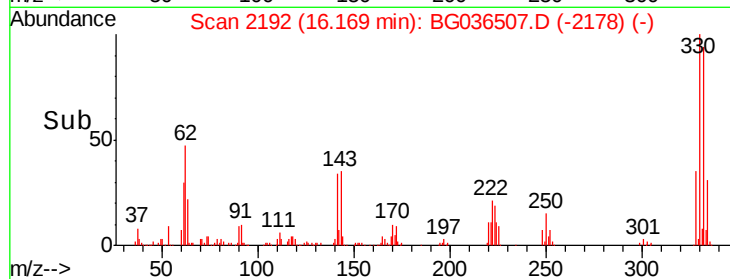
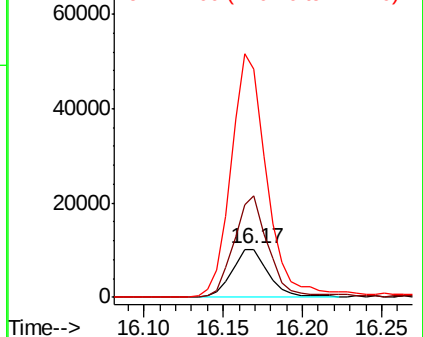
#66
4-Bromophenyl-phenylether
Concen: 3.114 ng
RT: 16.17 min Scan# 2192
Delta R.T. -0.45 min
Lab File: BG036507.D
Acq: 31 Aug 2018 15:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 16073
Ion Ratio Lower Upper
248 100
250 212.6 78.1 117.1#
141 476.7 53.7 80.5#

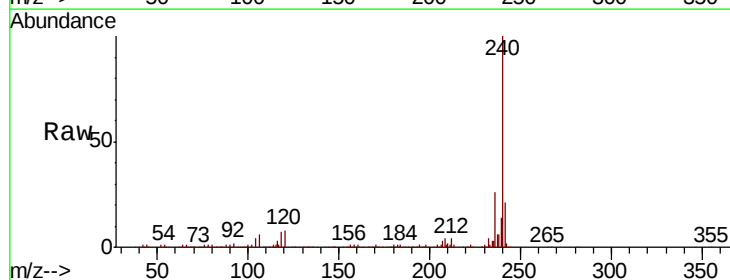


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

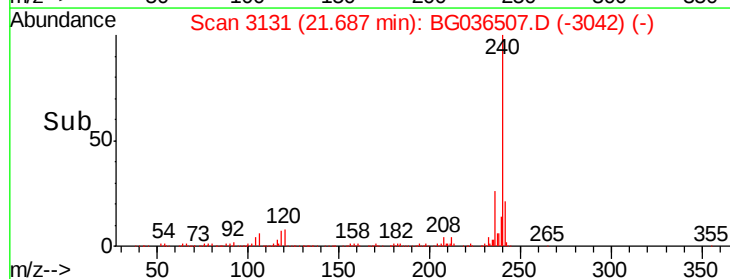
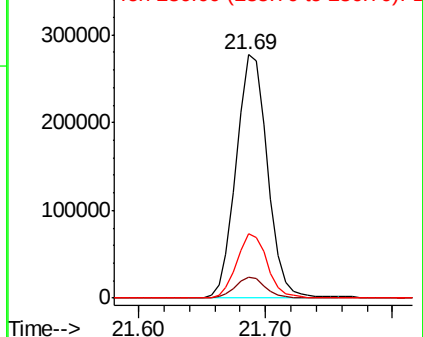


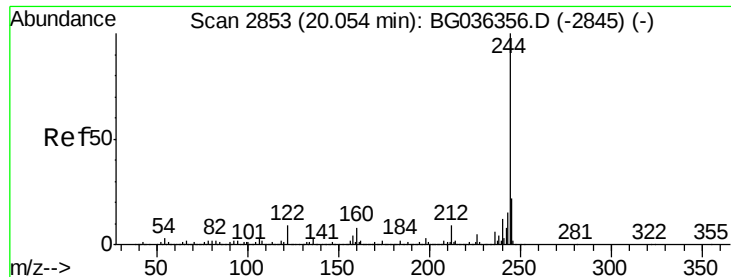
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG036507.D
Acq: 31 Aug 2018 15:51

Tgt Ion:240 Resp: 474364
Ion Ratio Lower Upper
240 100
120 8.5 6.9 10.3
236 26.3 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





#78

Terphenyl-d14

Concen: 79.439 ng

RT: 20.04 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG036507.D

Acq: 31 Aug 2018 15:51

Instrument :

BNA_G

ClientSampled :

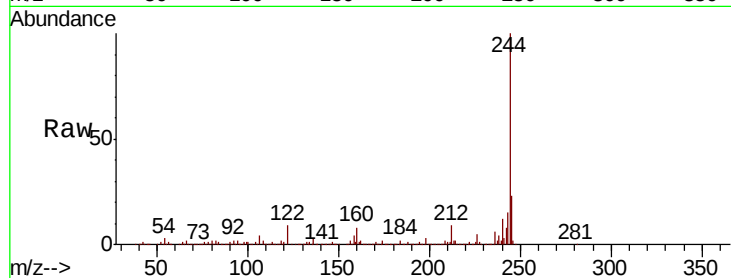
Tot Ion:244 Resp: 1612207

Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.0	10.6
122	9.0	7.1	10.7

244 100

212 8.6 7.0 10.6

122 9.0 7.1 10.7

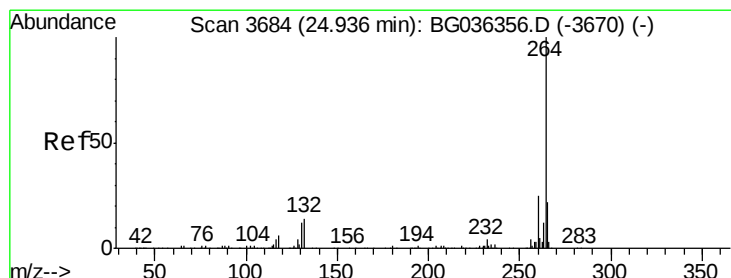
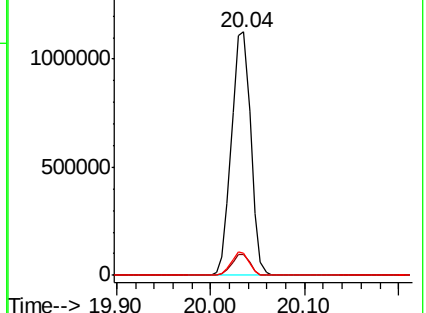
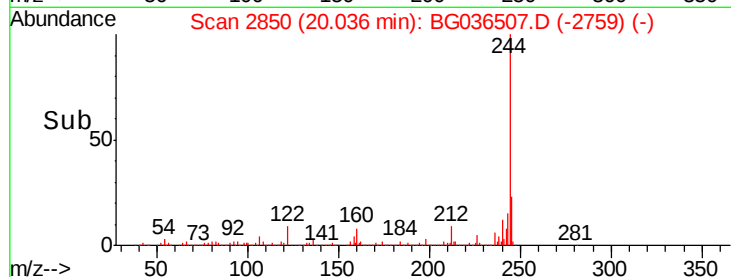


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 24.90 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BG036507.D

Acq: 31 Aug 2018 15:51

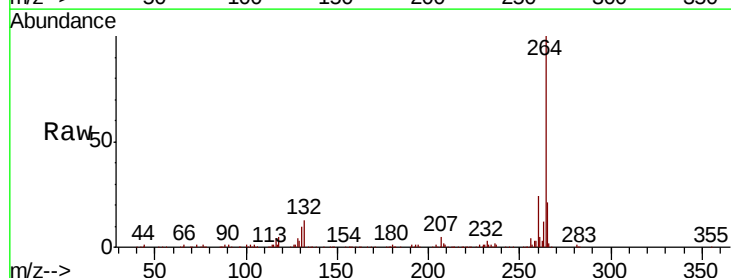
Tgt Ion:264 Resp: 445138

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	20.8	17.4	26.0

264 100

260 23.7 19.6 29.4

265 20.8 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

