

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091018\
 Data File : BG036654.D
 Acq On : 11 Sep 2018 9:56
 Operator : JU/SJ
 Sample : J4777-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 11 11:12:34 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

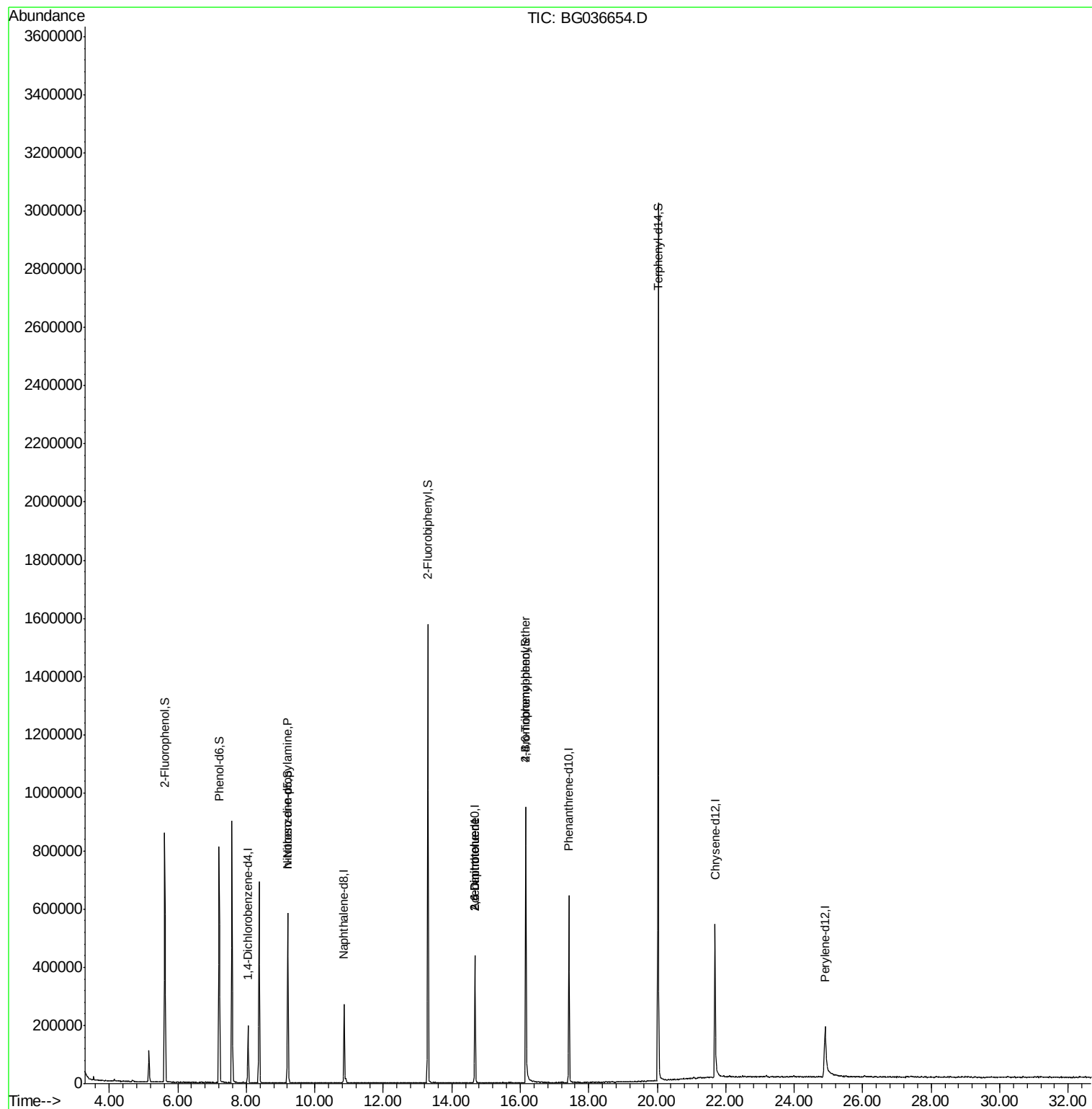
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	54918	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	234604	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	158626	20.00	ng	-0.01
63) Phenanthrene-d10	17.42	188	411318	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	408963	20.00	ng	-0.01
86) Perylene-d12	24.90	264	294803	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	367966	106.29	ng	0.00
7) Phenol-d6	7.21	99	476556	96.14	ng	-0.01
23) Nitrobenzene-d5	9.22	82	353919	81.85	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	194584	102.80	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	839663	75.58	ng	-0.01
78) Terphenyl-d14	20.03	244	1468041	83.90	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	47649	12.862	ng	# 68
50) 2,6-Dinitrotoluene	14.67	165	20647	7.747	ng	# 23
56) 2,4-Dinitrotoluene	14.67	165	20647	5.944	ng	# 21
66) 4-Bromophenyl-phenylether	16.16	248	13703	2.845	ng	# 1

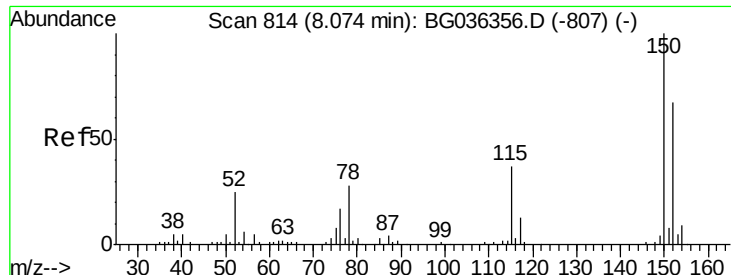
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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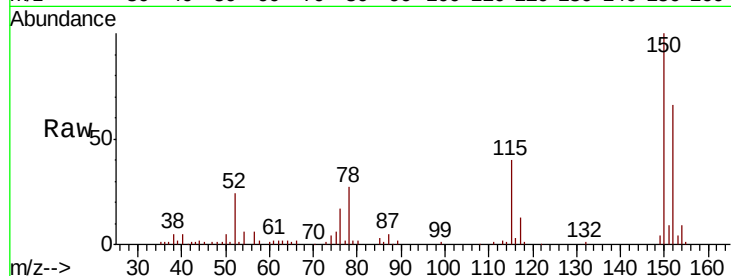


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BG036654.D
 Acq: 11 Sep 2018 9:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.5	119.5	179.3
115	59.6	44.5	66.7

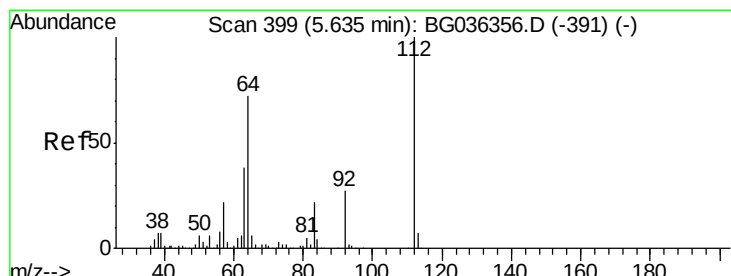
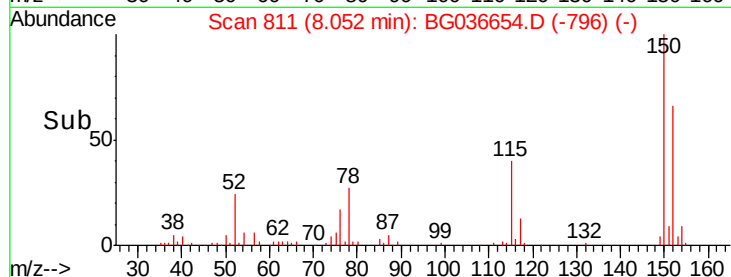
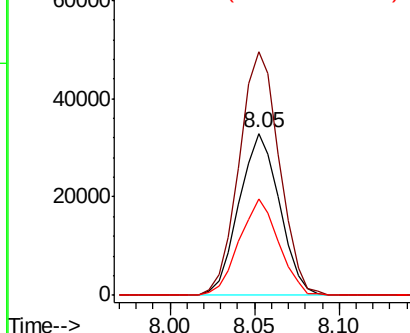


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

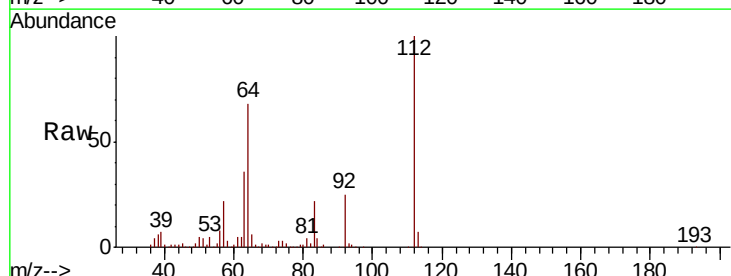
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 106.286 ng
 RT: 5.62 min Scan# 397
 Delta R.T. -0.01 min
 Lab File: BG036654.D
 Acq: 11 Sep 2018 9:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	57.2	85.8
63	36.3	30.8	46.2

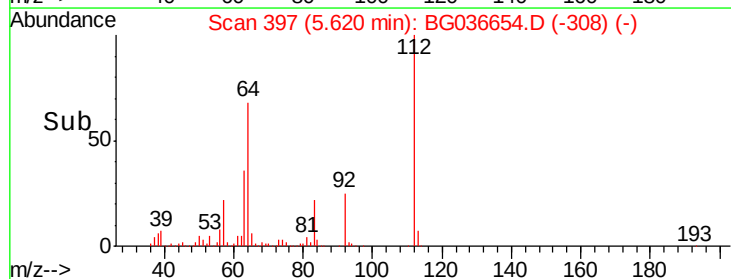
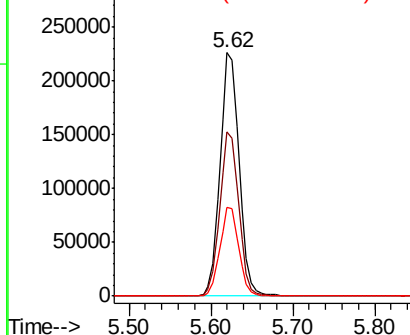


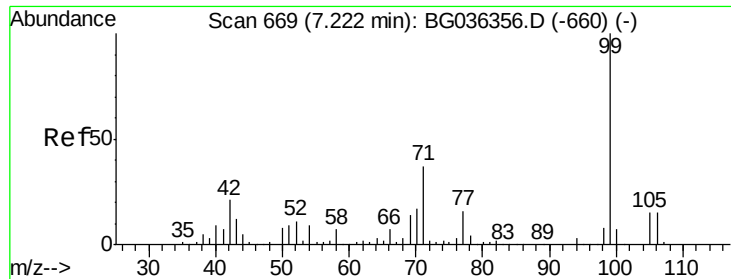
Abundance

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: 96.142 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036654.D

Acq: 11 Sep 2018 9:56

Instrument :

BNA_G

ClientSampleId :

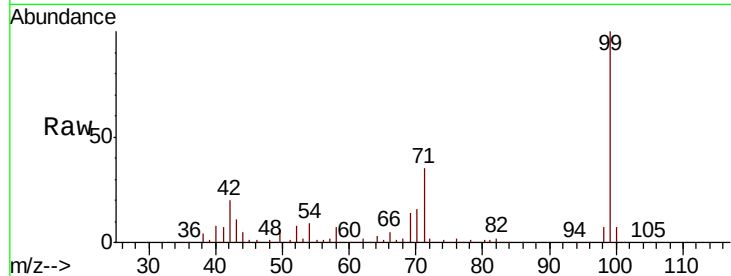
Tot Ion: 99 Resp: 476556

Ion Ratio Lower Upper

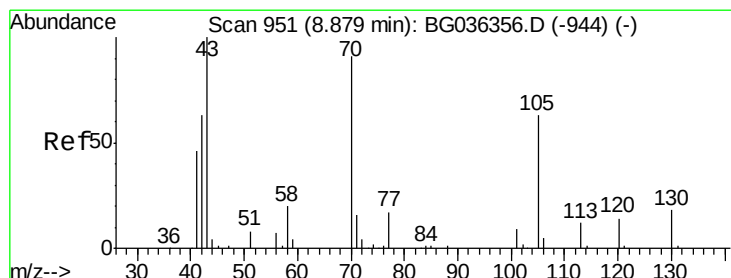
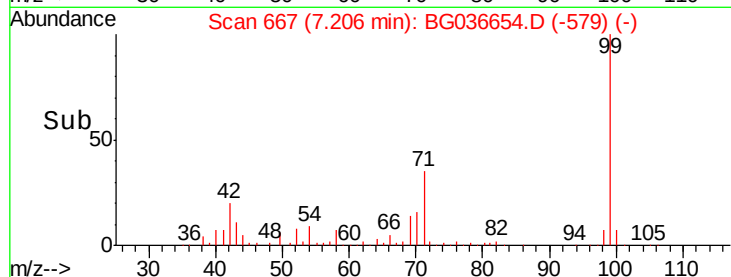
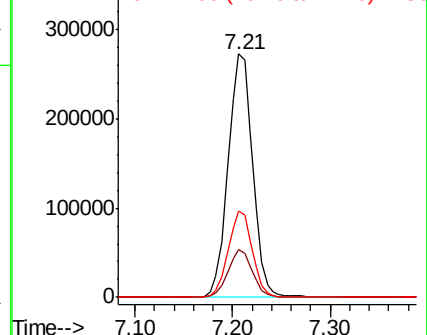
99 100

42 19.7 16.5 24.7

71 35.2 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: 12.862 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.35 min

Lab File: BG036654.D

Acq: 11 Sep 2018 9:56

Tgt Ion: 70 Resp: 47649

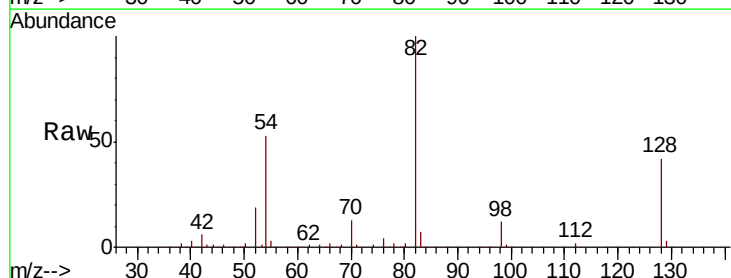
Ion Ratio Lower Upper

70 100

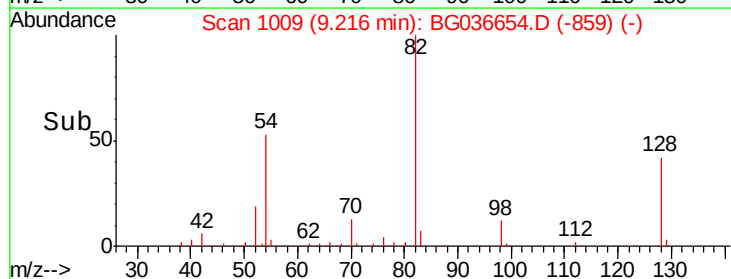
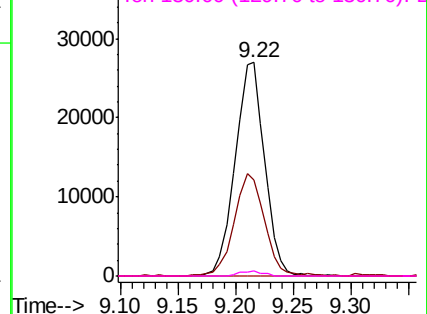
42 45.1 56.2 84.4#

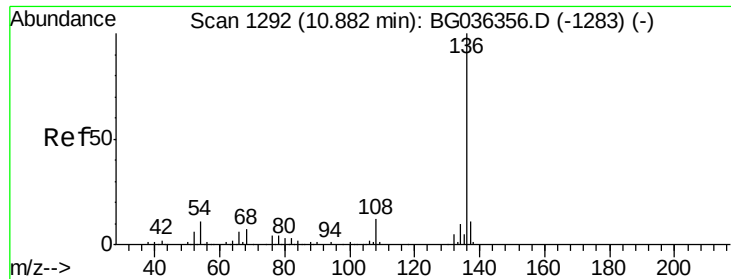
101 0.0 7.8 11.6#

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

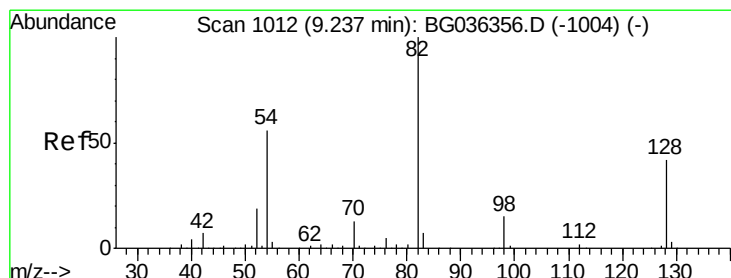
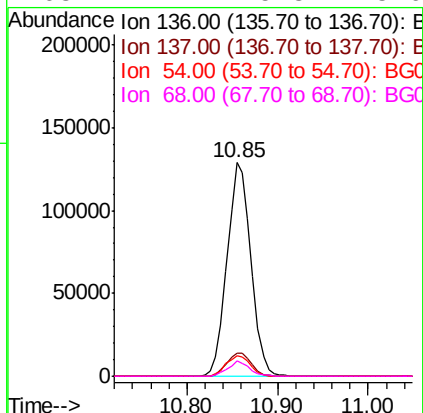
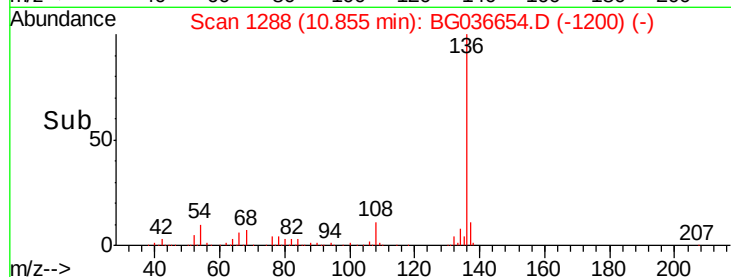
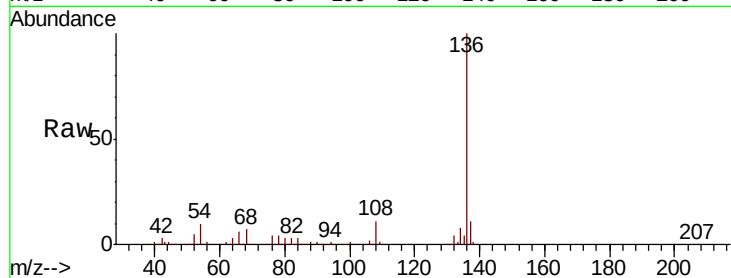




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036654.D
Acq: 11 Sep 2018 9:56

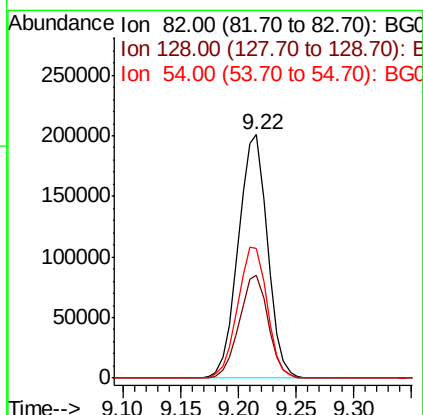
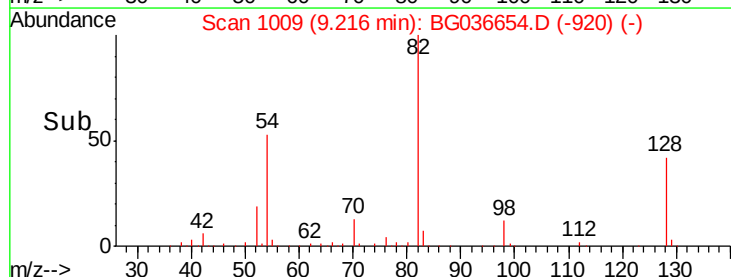
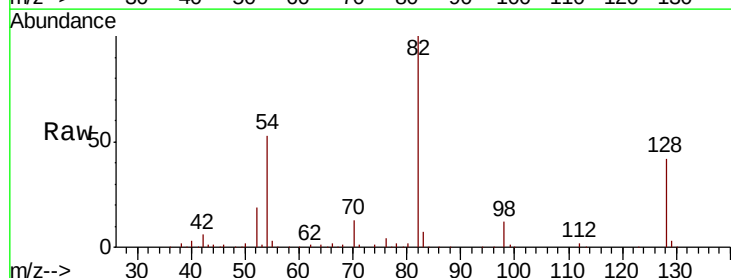
Instrument :
BNA_G
ClientSampleId :

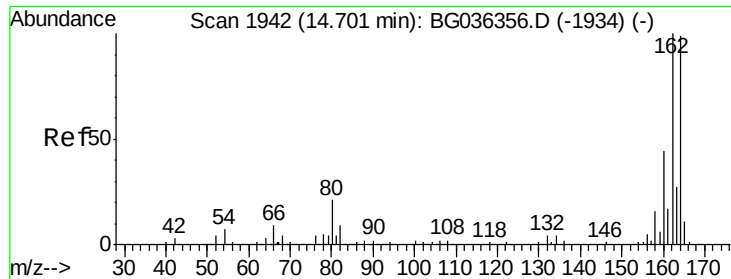
Tot Ion:136	Resp:	234604
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.8 13.2
54	9.9	9.2 13.8
68	7.2	5.8 8.6



#23
Nitrobenzene-d5
Concen: 81.851 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG036654.D
Acq: 11 Sep 2018 9:56

Tgt Ion: 82	Resp:	353919
Ion Ratio	Lower	Upper
82	100	
128	42.2	33.3 49.9
54	53.0	45.1 67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG036654.D

Acq: 11 Sep 2018 9:56

Instrument :

BNA_G

ClientSampleId :

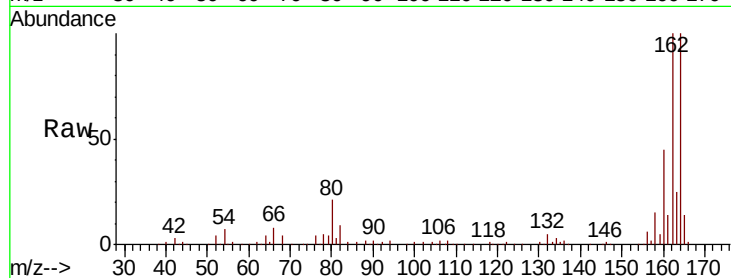
Tot Ion:164 Resp: 158626

Ion Ratio Lower Upper

164 100

162 99.9 80.7 121.1

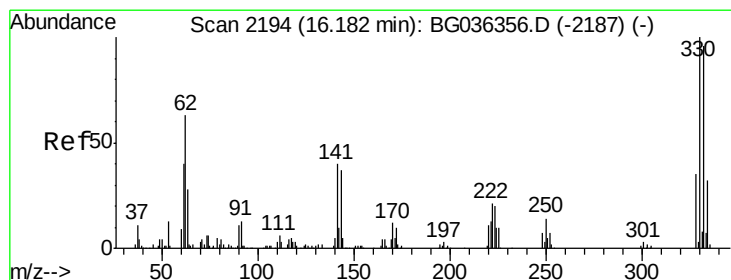
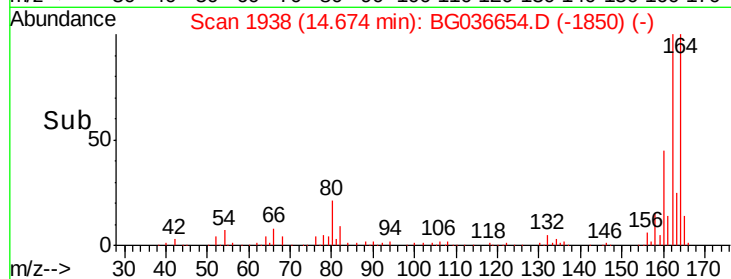
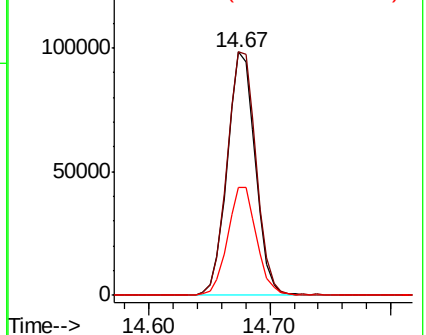
160 44.5 35.3 52.9



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: 102.804 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036654.D

Acq: 11 Sep 2018 9:56

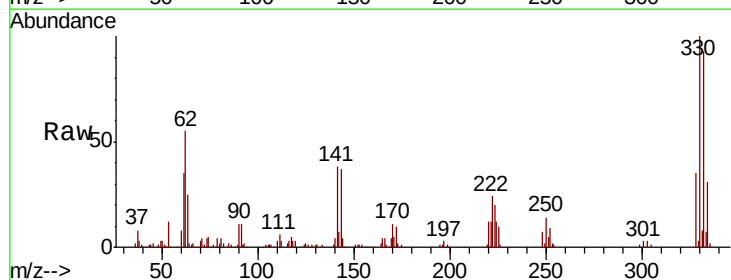
Tgt Ion:330 Resp: 194584

Ion Ratio Lower Upper

330 100

332 93.9 75.4 113.2

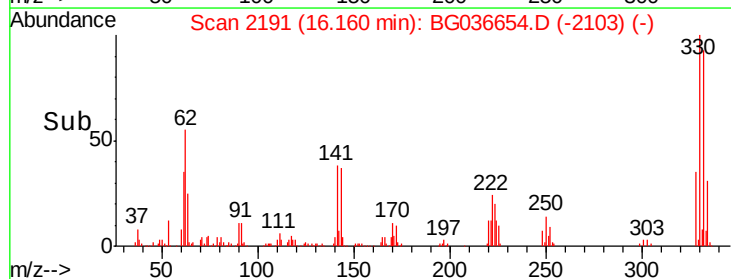
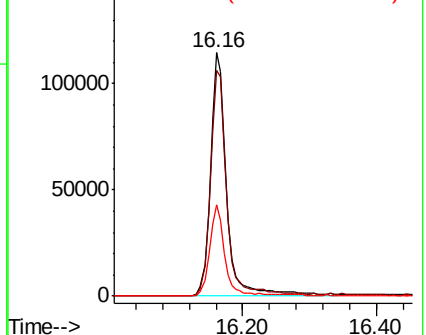
141 34.5 30.7 46.1

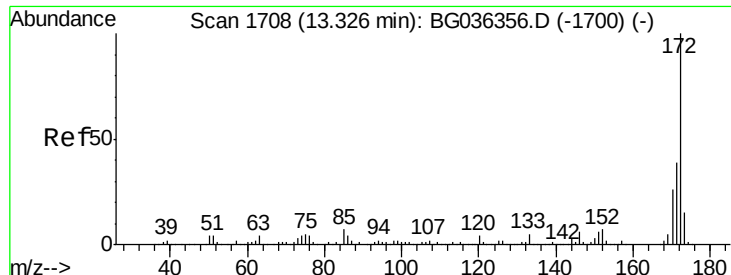


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

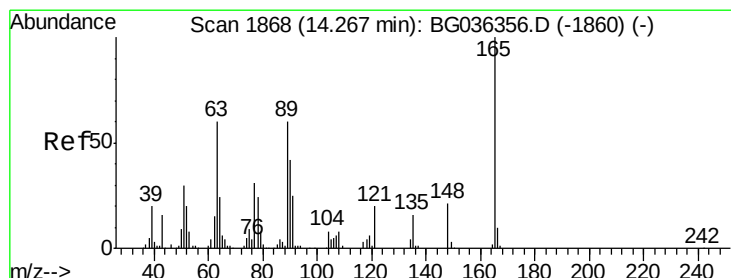
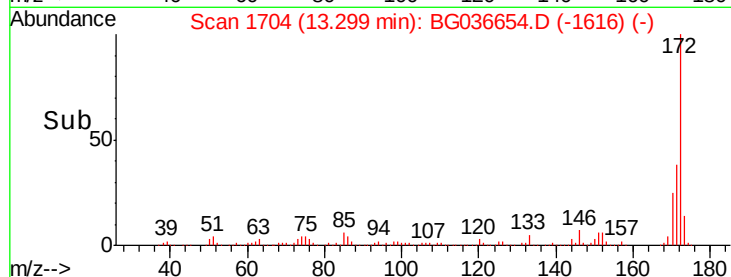
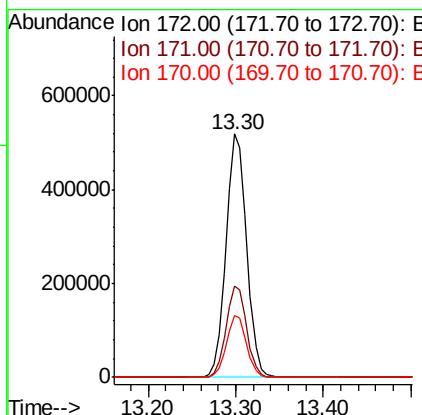
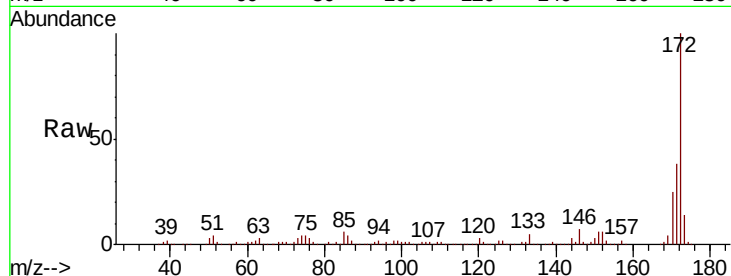




#44
 2-Fluorobiphenyl
 Concen: 75.579 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG036654.D
 Acq: 11 Sep 2018 9:56

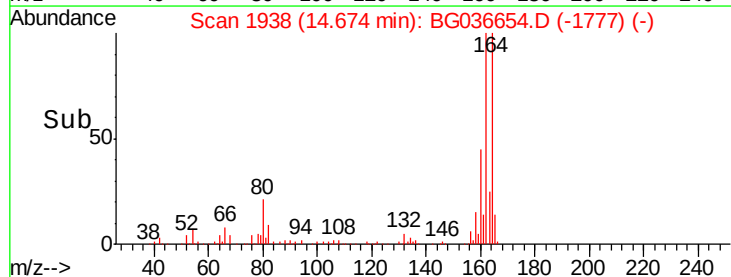
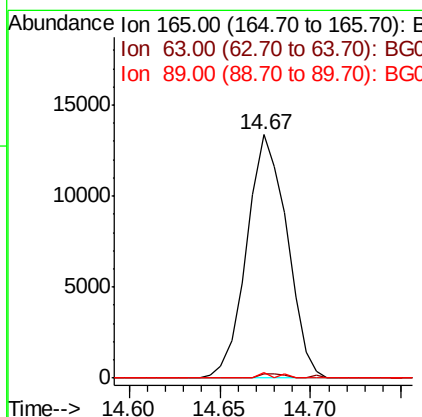
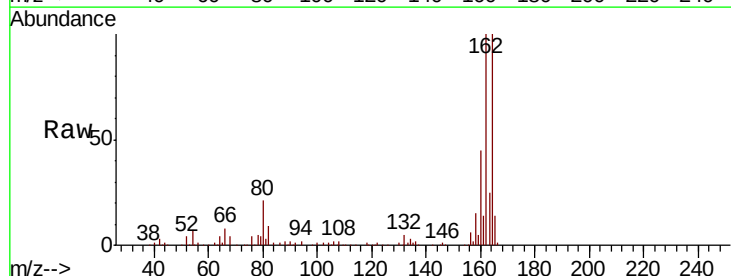
Instrument :
 BNA_G
 ClientSampleId :

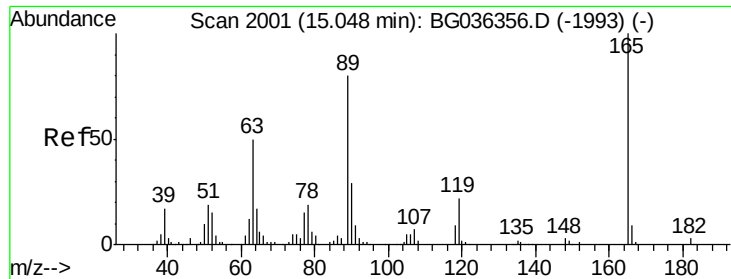
Tot Ion:172 Resp: 839663
 Ion Ratio Lower Upper
 172 100
 171 37.6 31.3 46.9
 170 25.4 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.747 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.42 min
 Lab File: BG036654.D
 Acq: 11 Sep 2018 9:56

Tgt Ion:165 Resp: 20647
 Ion Ratio Lower Upper
 165 100
 63 1.8 50.1 75.1#
 89 2.2 47.8 71.6#

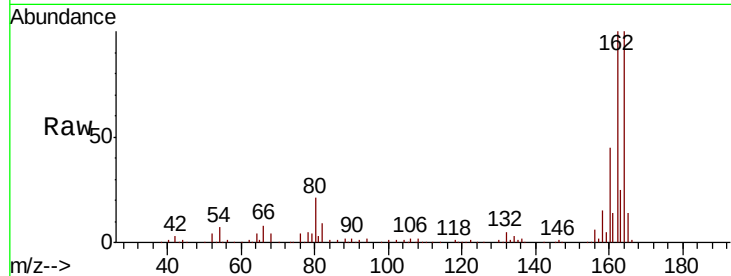




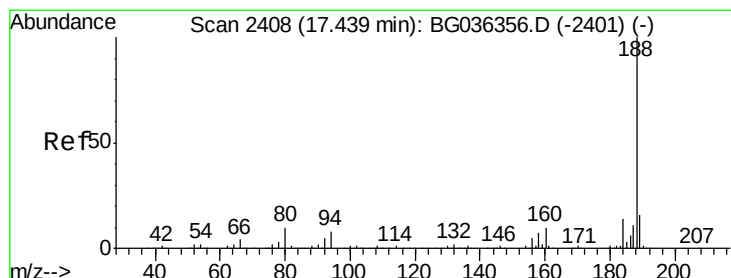
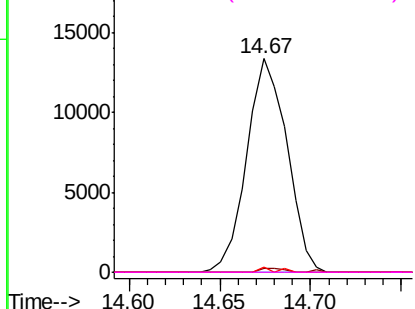
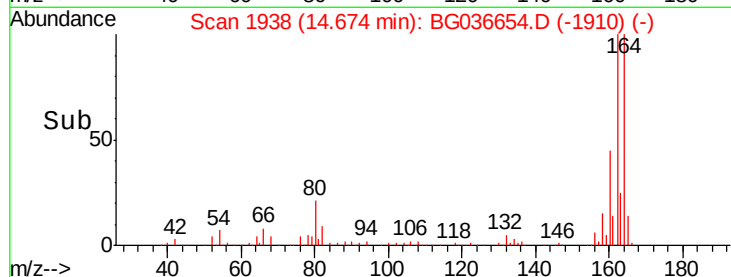
#56
 2,4-Dinitrotoluene
 Concen: 5.944 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.36 min
 Lab File: BG036654.D
 Acq: 11 Sep 2018 9:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	20647
Ion	Ratio	Lower	Upper
165	100		
63	1.8	40.1	60.1#
89	2.2	63.7	95.5#
182	0.0	2.5	3.7#

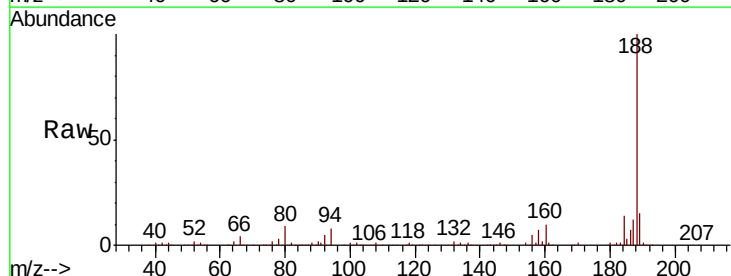


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

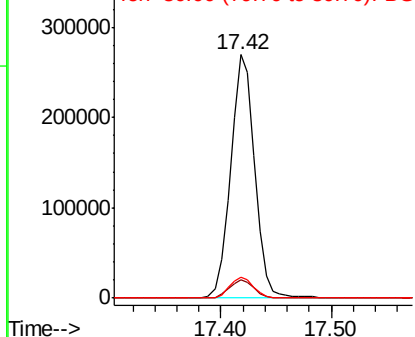
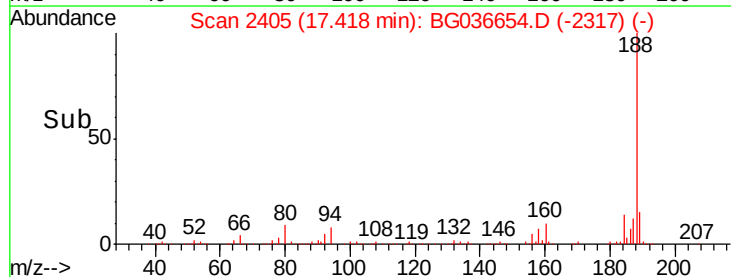


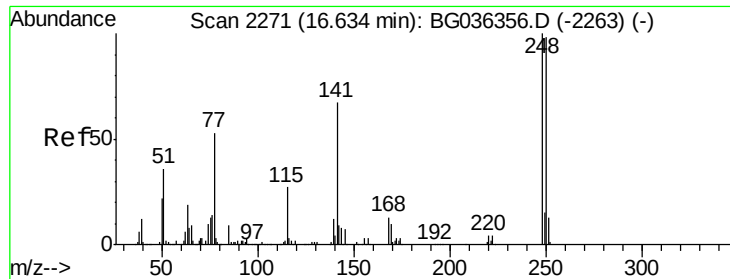
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.01 min
 Lab File: BG036654.D
 Acq: 11 Sep 2018 9:56

Tgt Ion:	188	Resp:	411318
Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.7	10.1
80	8.8	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

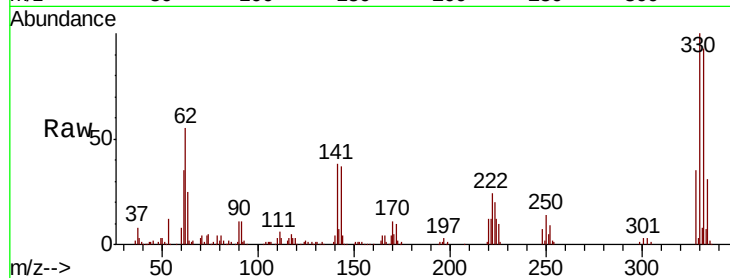




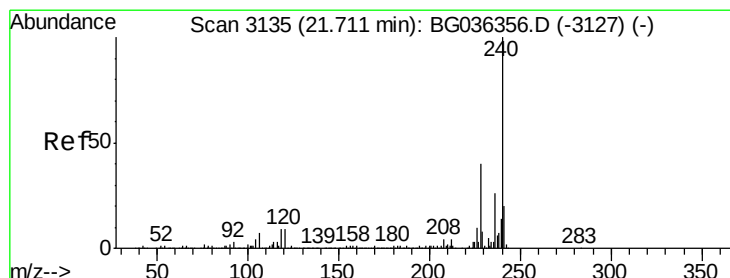
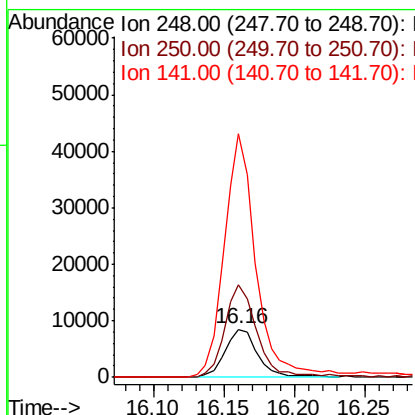
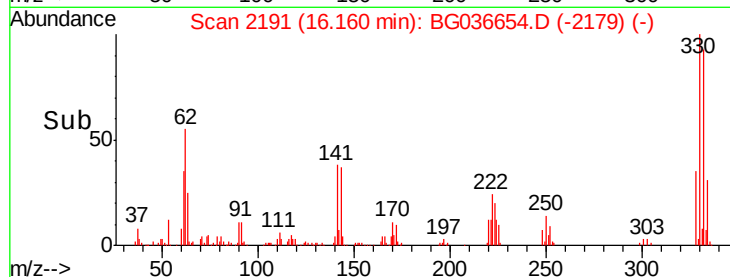
#66
4-Bromophenyl-phenylether
Concen: 2.845 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.46 min
Lab File: BG036654.D
Acq: 11 Sep 2018 9:56

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 13703
Ion Ratio Lower Upper
248 100
250 192.6 78.1 117.1#
141 503.2 53.7 80.5#

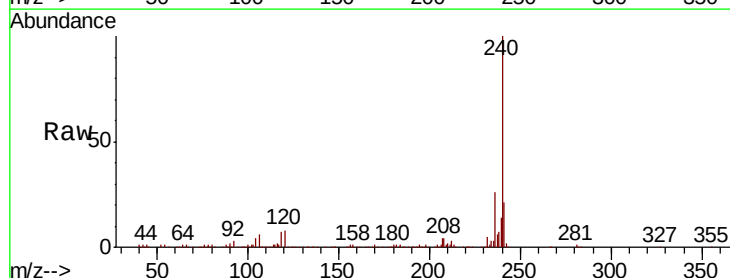


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

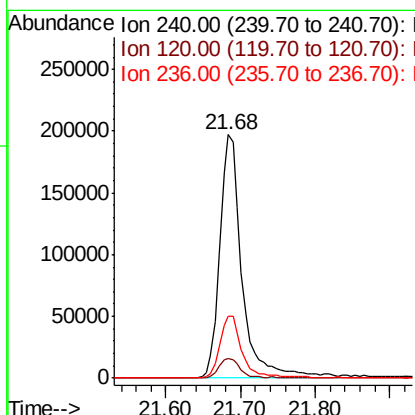
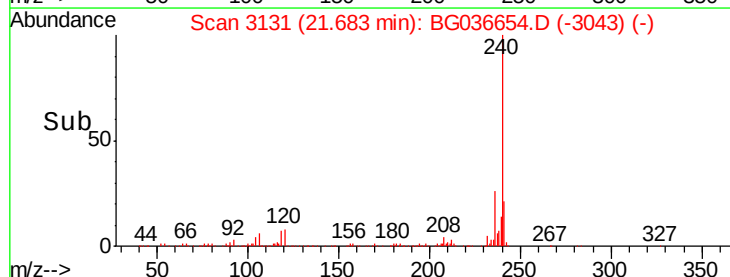


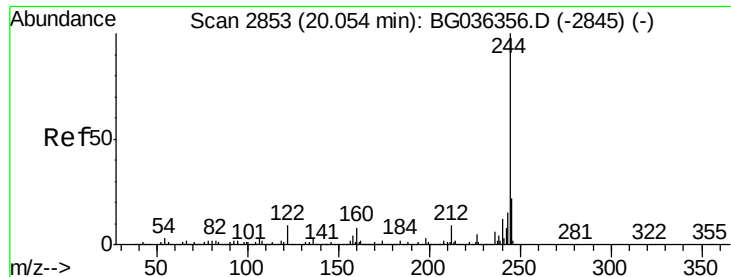
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG036654.D
Acq: 11 Sep 2018 9:56

Tgt Ion:240 Resp: 408963
Ion Ratio Lower Upper
240 100
120 8.2 6.9 10.3
236 25.6 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: 83.903 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG036654.D

Acq: 11 Sep 2018 9:56

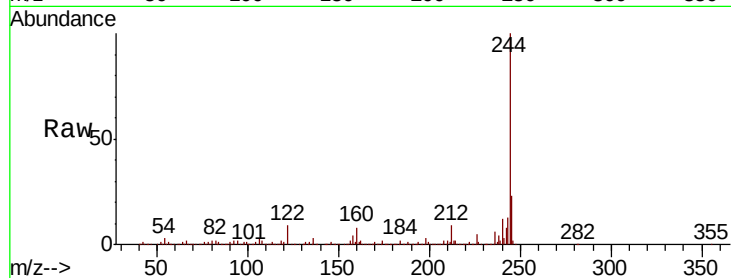
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1468041

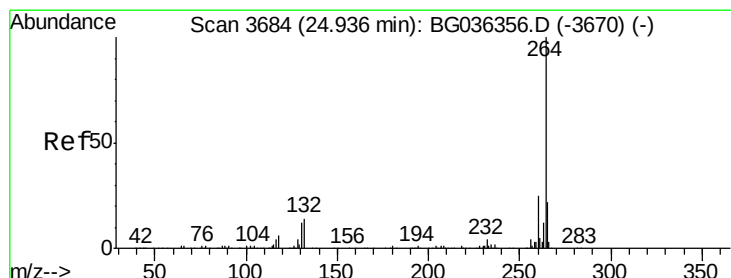
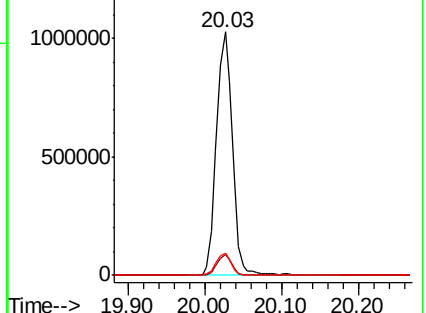
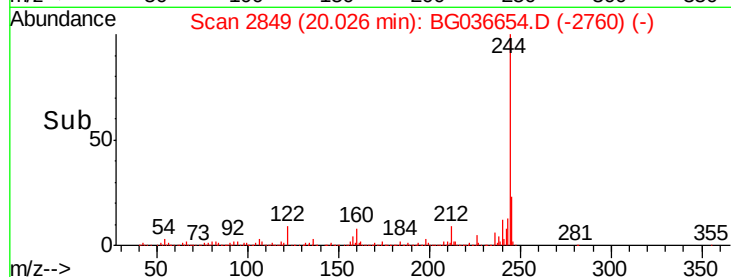
Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.0	10.6
122	9.1	7.1	10.7



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

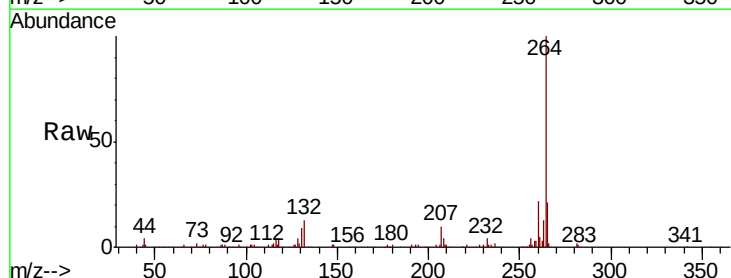
Delta R.T. -0.01 min

Lab File: BG036654.D

Acq: 11 Sep 2018 9:56

Tgt Ion:264 Resp: 294803

Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.6	29.4
265	21.1	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

