

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091418\
 Data File : BG036712.D
 Acq On : 14 Sep 2018 19:21
 Operator : JU/SJ
 Sample : PB112835BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 15 02:11:25 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

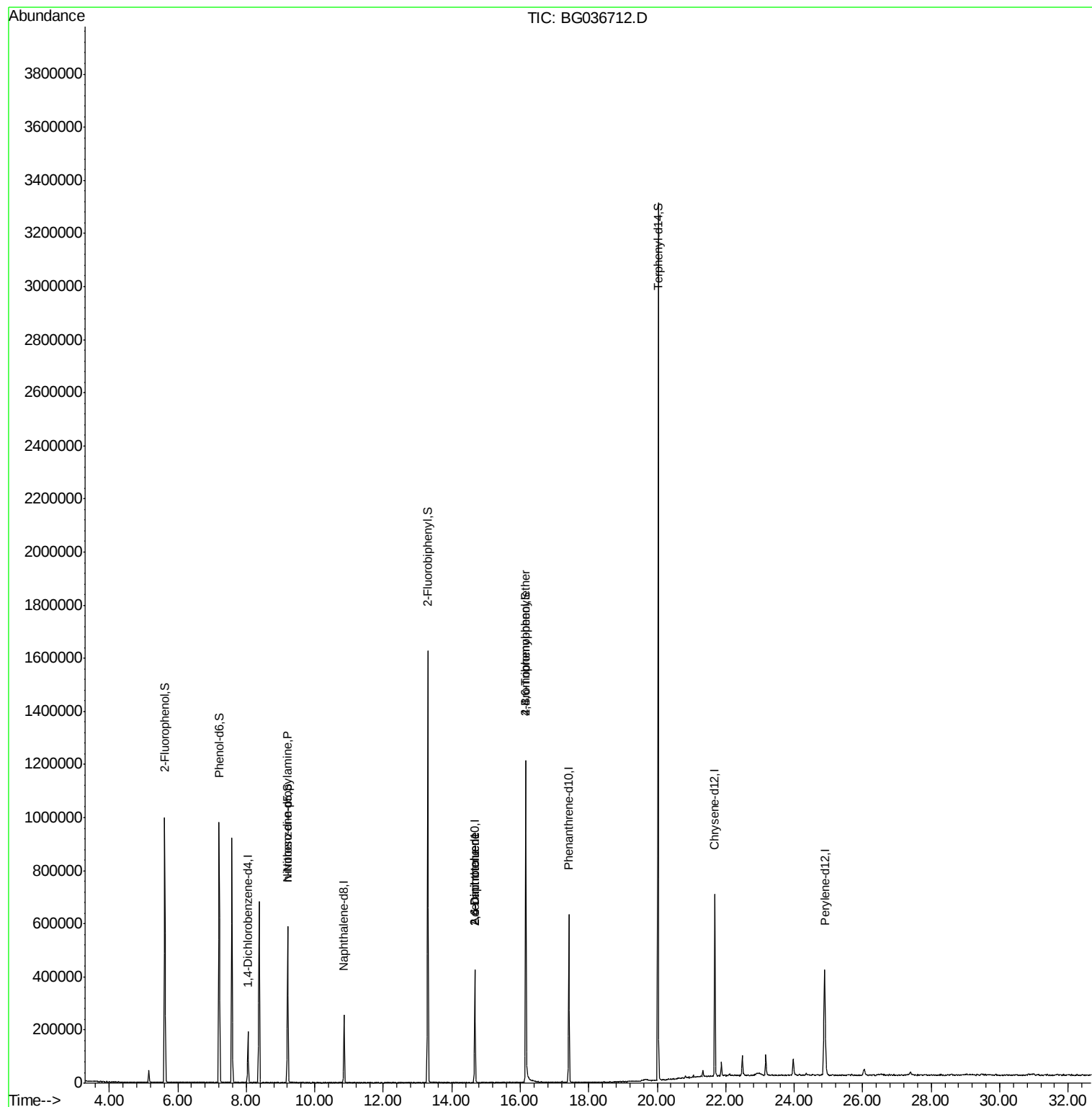
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	55177	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	217679	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	148495	20.00	ng	-0.01
63) Phenanthrene-d10	17.42	188	406147	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	428634	20.00	ng	-0.02
86) Perylene-d12	24.89	264	425618	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	408356	117.40	ng	0.00
7) Phenol-d6	7.21	99	563299	113.11	ng	-0.01
23) Nitrobenzene-d5	9.21	82	345492	86.11	ng	-0.01
41) 2,4,6-Tribromophenol	16.16	330	250815	141.55	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	828200	79.63	ng	-0.01
78) Terphenyl-d14	20.03	244	1541622	84.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	45804	12.306	ng	# 72
50) 2,6-Dinitrotoluene	14.67	165	19049	7.635	ng	# 23
56) 2,4-Dinitrotoluene	14.67	165	19049	5.858	ng	# 21
66) 4-Bromophenyl-phenylether	16.16	248	17250	3.628	ng	# 1

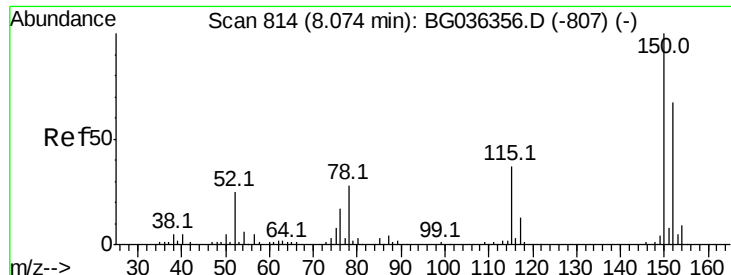
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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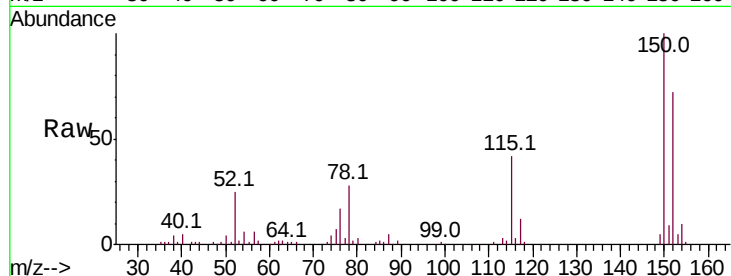


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG036712.D
Acq: 14 Sep 2018 19:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.4	119.5	179.3
115	58.5	44.5	66.7

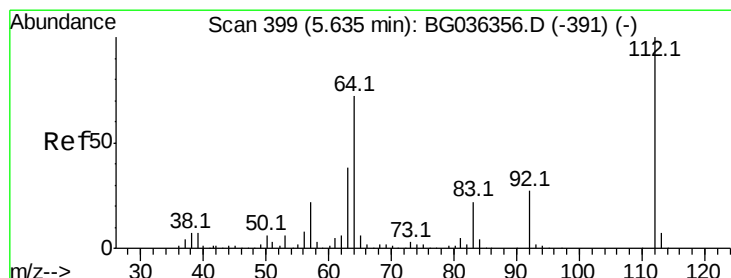
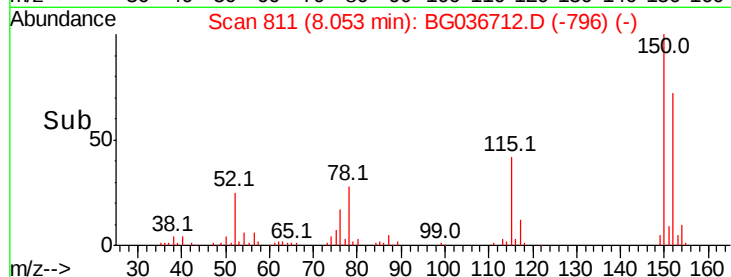
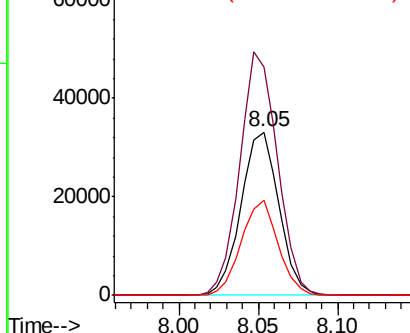


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

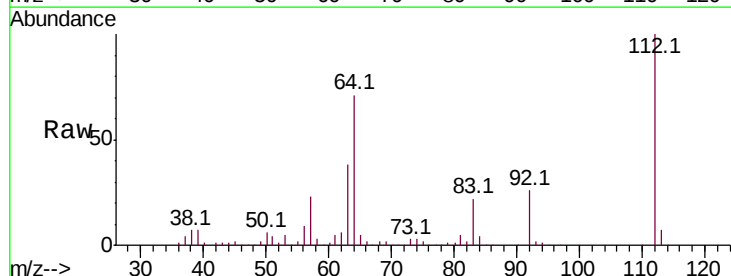
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 117.399 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.00 min
Lab File: BG036712.D
Acq: 14 Sep 2018 19:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.8	57.2	85.8
63	37.6	30.8	46.2

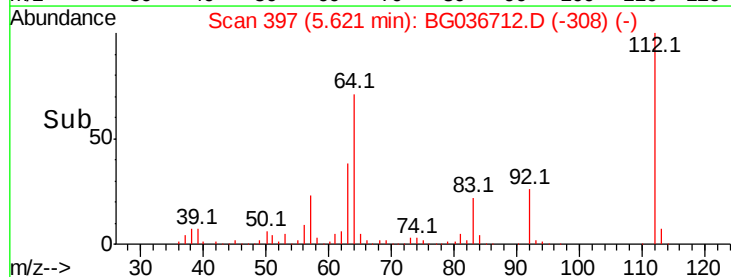
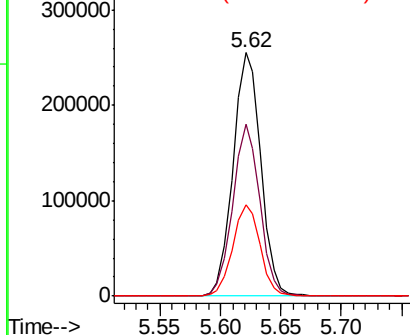


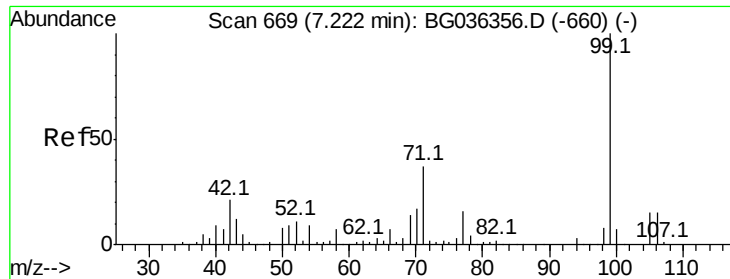
Abundance

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: 113.109 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036712.D

Acq: 14 Sep 2018 19:21

Instrument :

BNA_G

ClientSampleId :

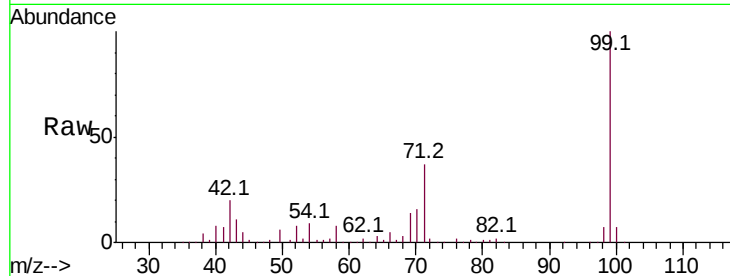
Tot Ion: 99 Resp: 563299

Ion Ratio Lower Upper

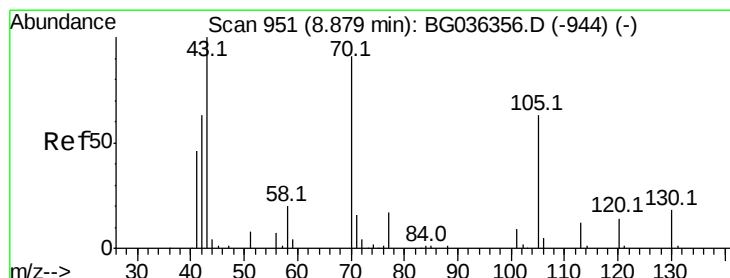
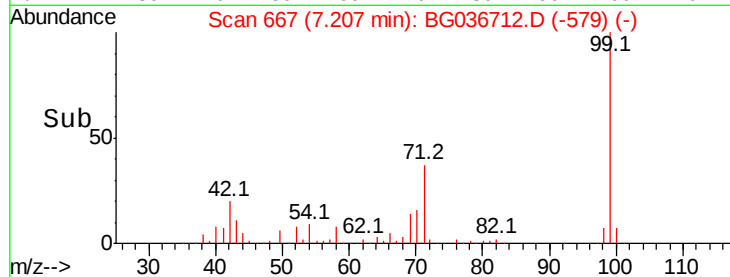
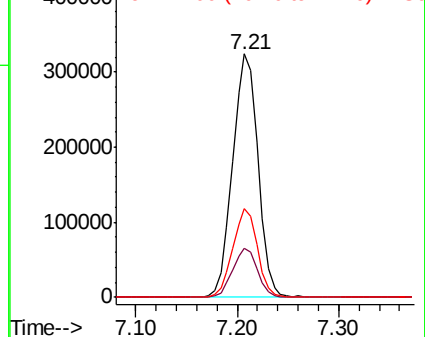
99 100

42 20.4 16.5 24.7

71 36.5 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: 12.306 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036712.D

Acq: 14 Sep 2018 19:21

Tgt Ion: 70 Resp: 45804

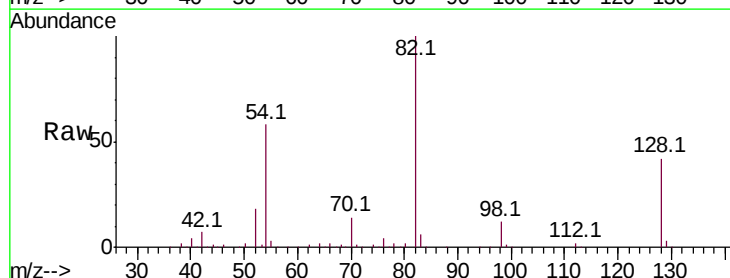
Ion Ratio Lower Upper

70 100

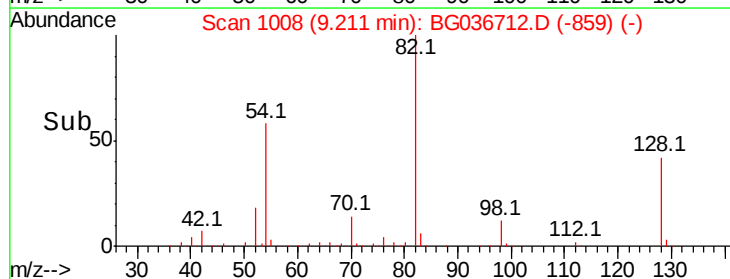
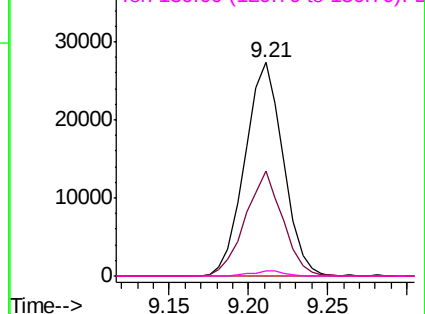
42 48.9 56.2 84.4#

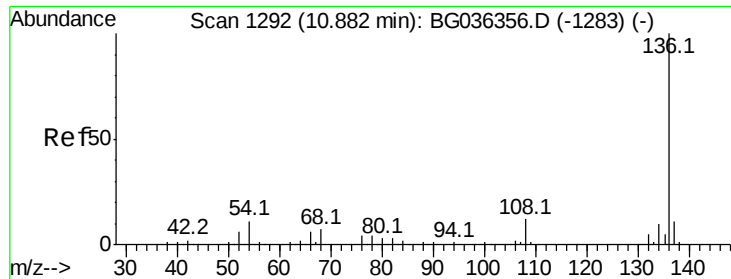
101 0.0 7.8 11.6#

130 2.5 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

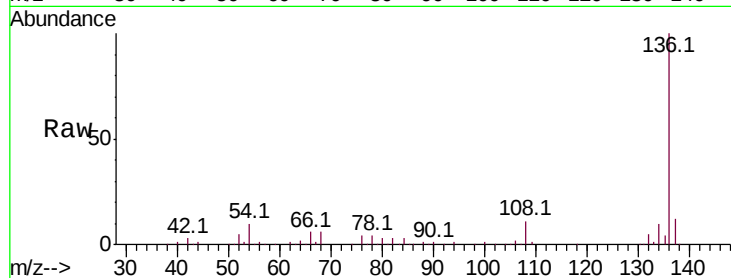




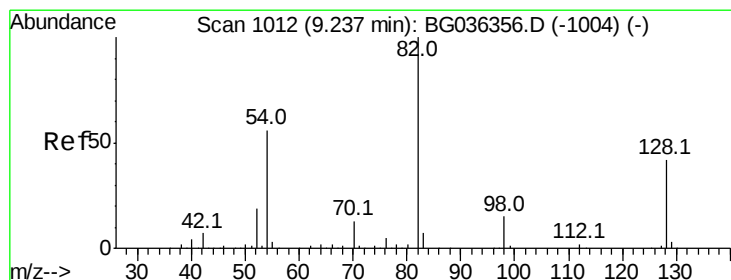
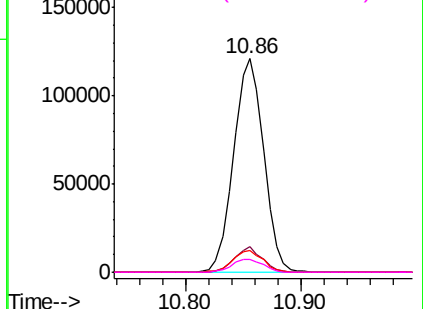
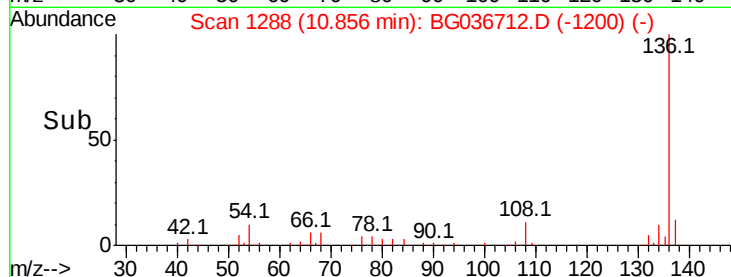
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036712.D
Acq: 14 Sep 2018 19:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	217679
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.8	13.2
54	10.2	9.2	13.8
68	6.2	5.8	8.6

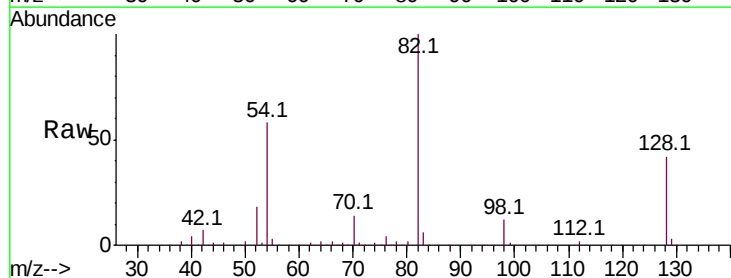


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

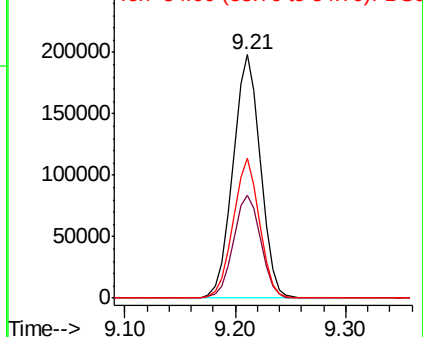
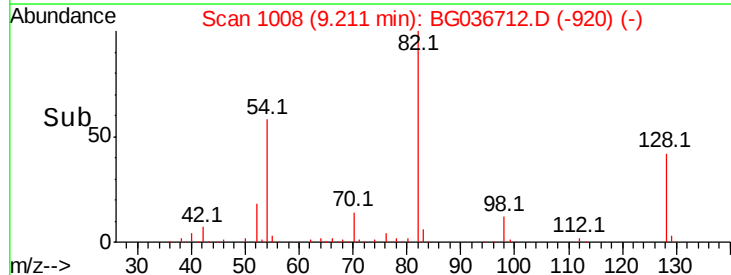


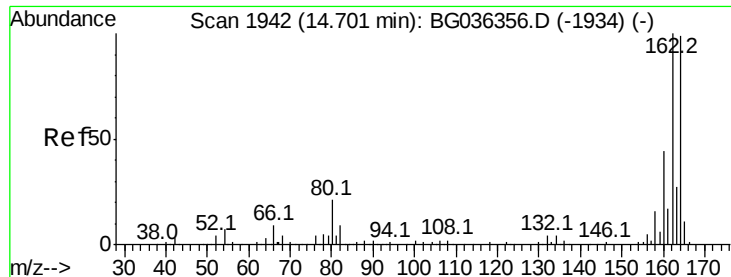
#23
Nitrobenzene-d5
Concen: 86.114 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG036712.D
Acq: 14 Sep 2018 19:21

Tgt Ion:	82	Resp:	345492
Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.3	49.9
54	57.7	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. -0.01 min

Lab File: BG036712.D

Acq: 14 Sep 2018 19:21

Instrument :

BNA_G

ClientSampleId :

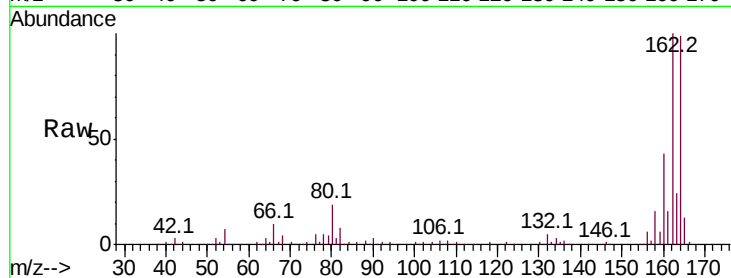
Tot Ion:164 Resp: 148495

Ion Ratio Lower Upper

164 100

162 100.7 80.7 121.1

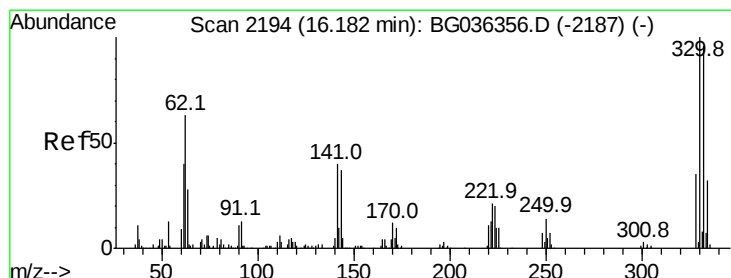
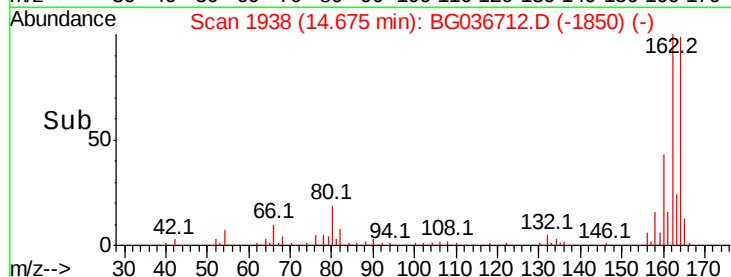
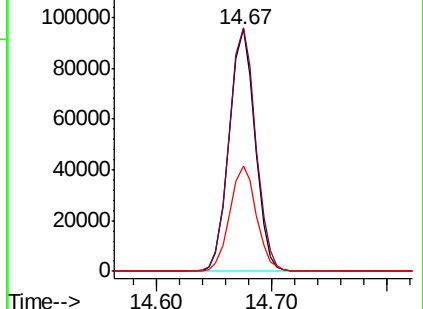
160 43.7 35.3 52.9



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: 141.553 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036712.D

Acq: 14 Sep 2018 19:21

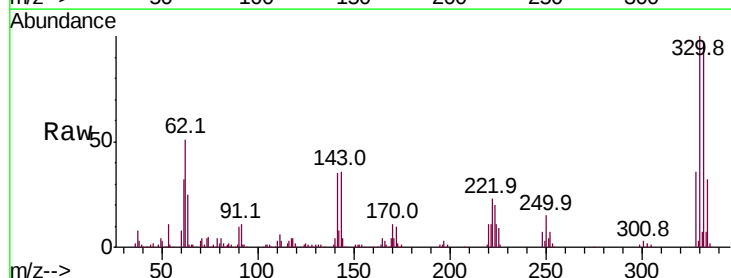
Tgt Ion:330 Resp: 250815

Ion Ratio Lower Upper

330 100

332 96.3 75.4 113.2

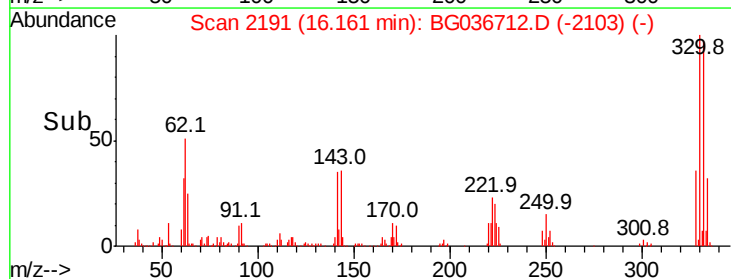
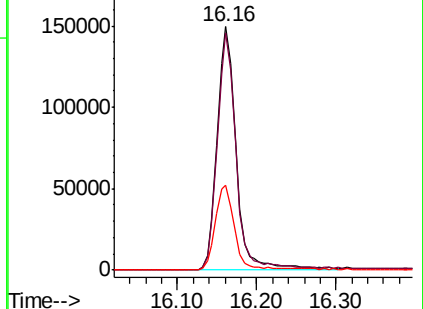
141 34.7 30.7 46.1

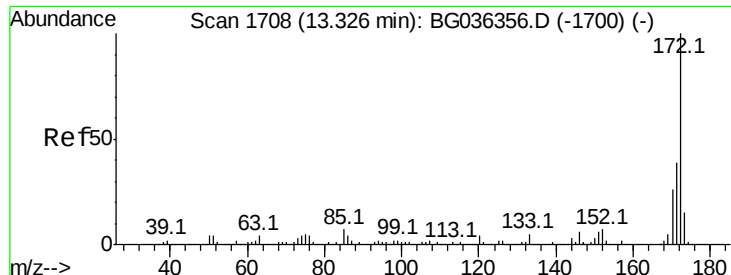


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

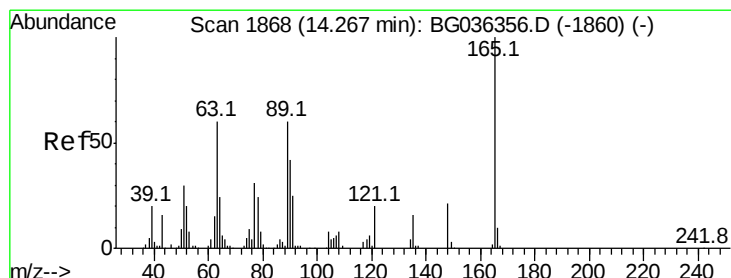
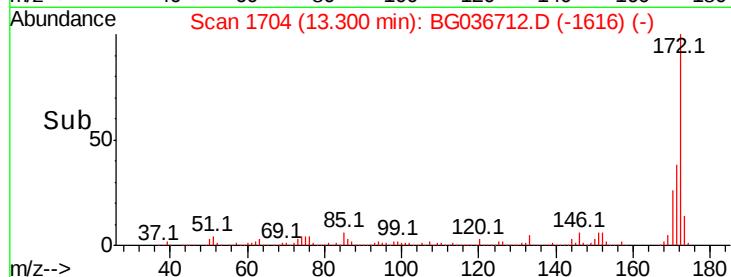
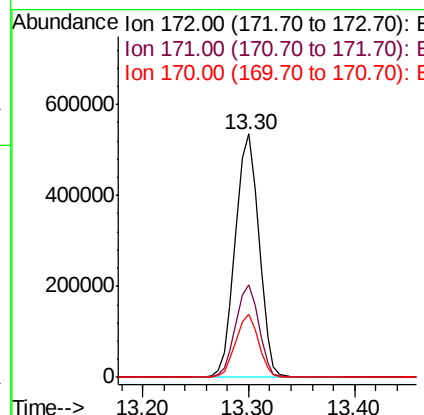
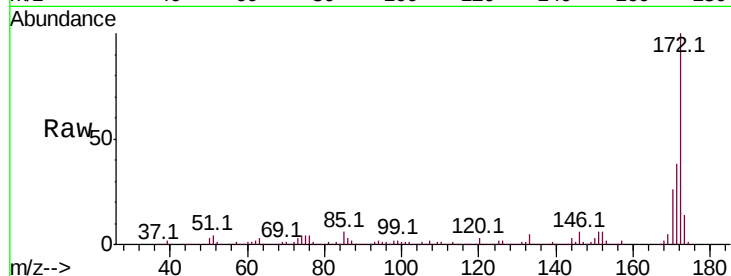




#44
 2-Fluorobiphenyl
 Concen: 79.634 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG036712.D
 Acq: 14 Sep 2018 19:21

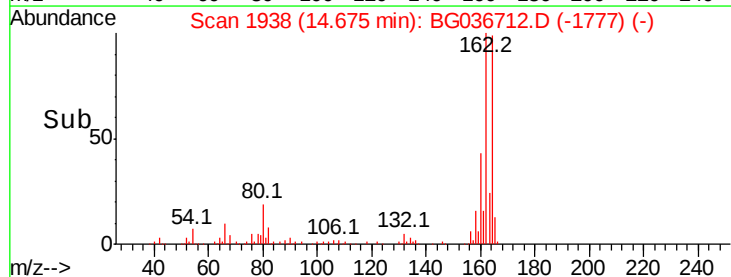
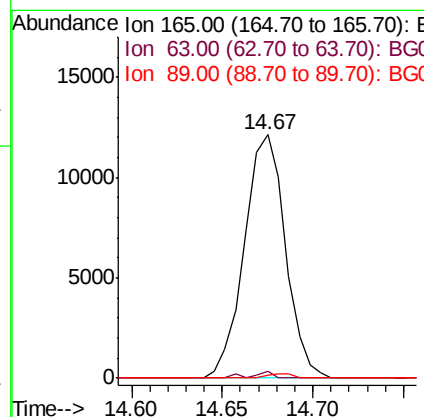
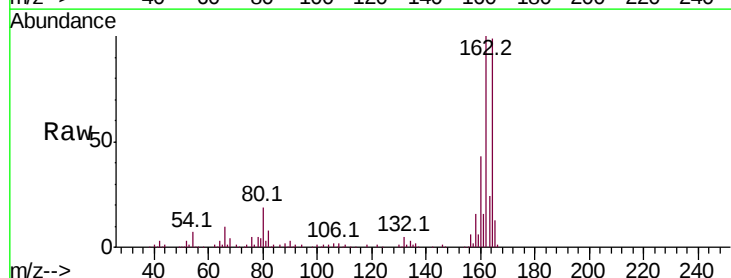
Instrument :
 BNA_G
 ClientSampleId :

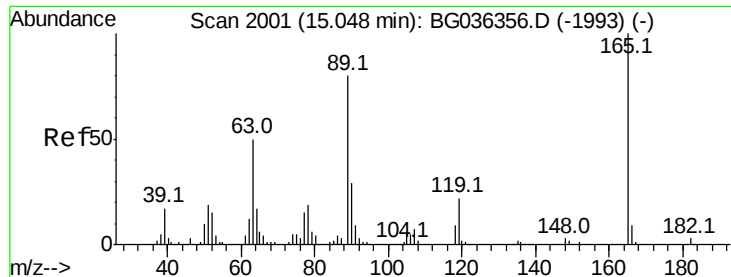
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.3	46.9
170	25.7	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.635 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.42 min
 Lab File: BG036712.D
 Acq: 14 Sep 2018 19:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	50.1	75.1#
89	1.4	47.8	71.6#





#56

2,4-Dinitrotoluene

Concen: 5.858 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.36 min

Lab File: BG036712.D

Acq: 14 Sep 2018 19:21

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 19049

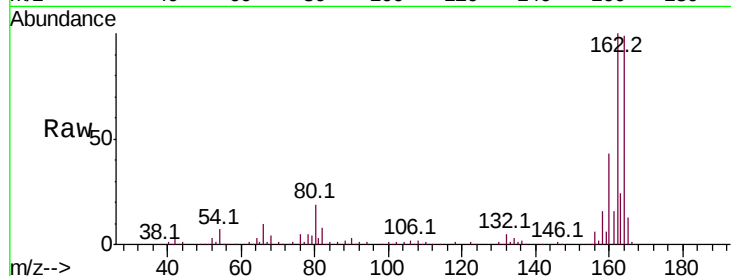
Ion Ratio Lower Upper

165 100

63 2.7 40.1 60.1#

89 1.4 63.7 95.5#

182 0.0 2.5 3.7#

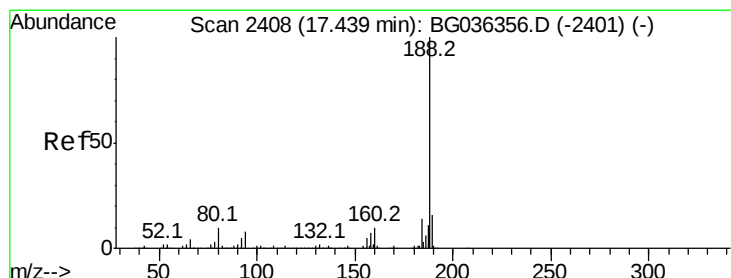
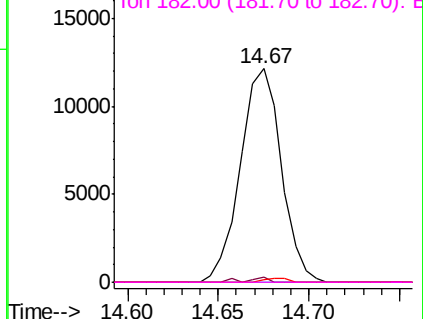
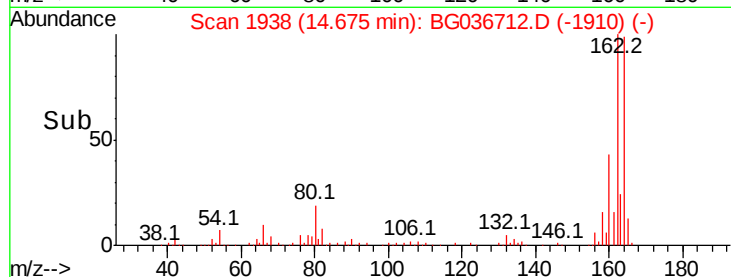


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG036712.D

Acq: 14 Sep 2018 19:21

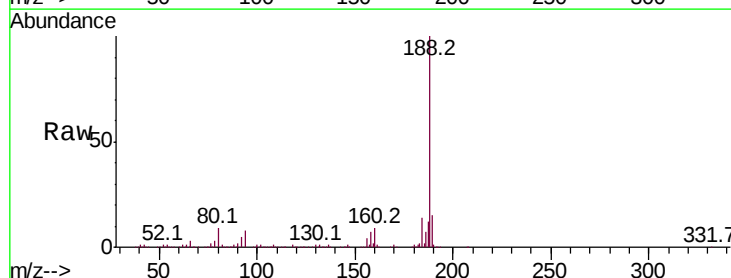
Tgt Ion:188 Resp: 406147

Ion Ratio Lower Upper

188 100

94 7.8 6.7 10.1

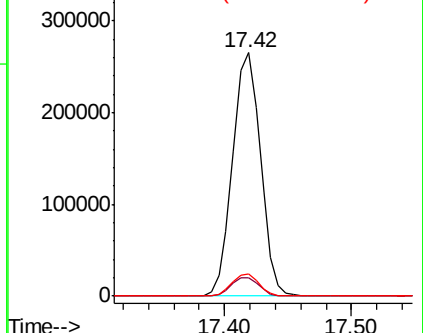
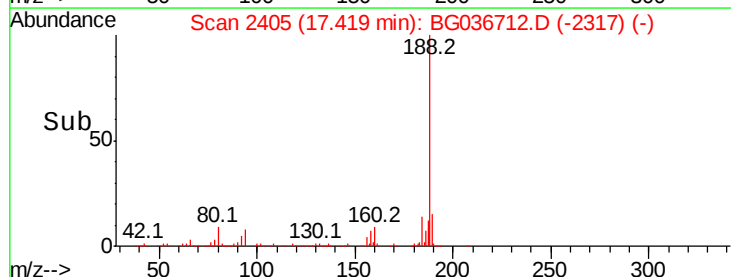
80 9.3 8.1 12.1

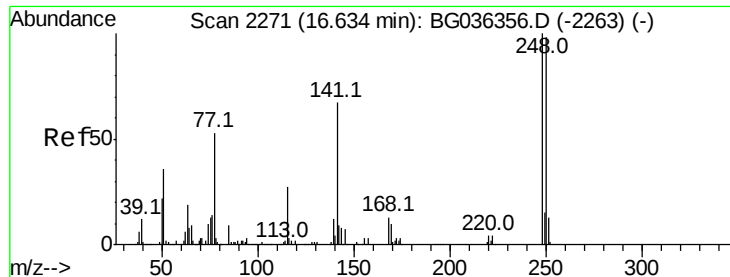


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

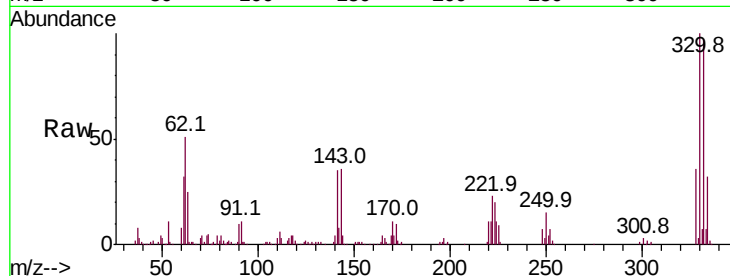




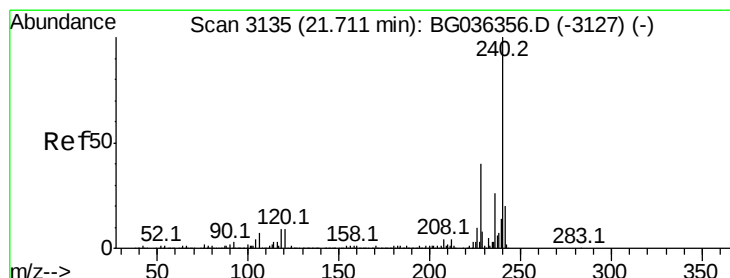
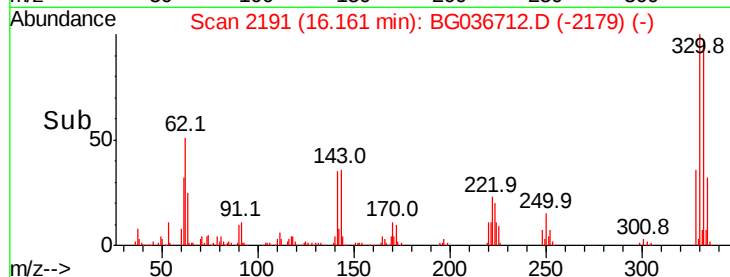
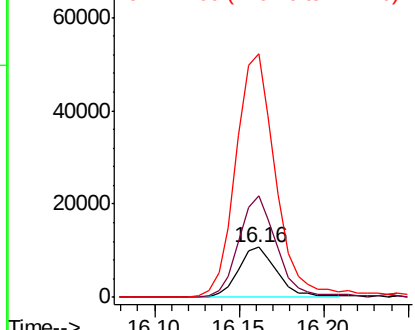
#66
4-Bromophenyl-phenylether
Concen: 3.628 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.46 min
Lab File: BG036712.D
Acq: 14 Sep 2018 19:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 17250
Ion Ratio Lower Upper
248 100
250 203.8 78.1 117.1#
141 488.4 53.7 80.5#

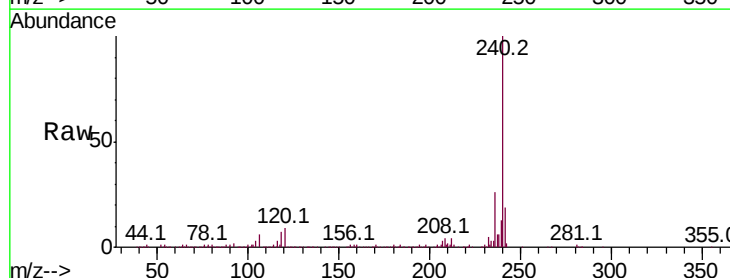


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

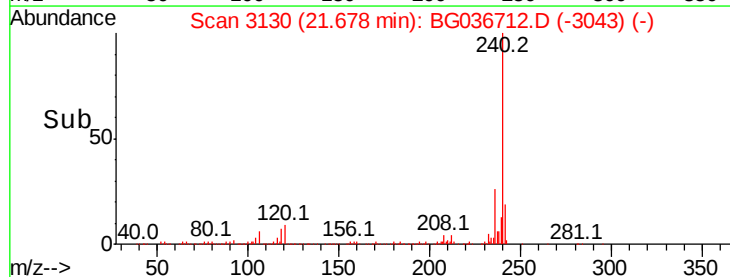
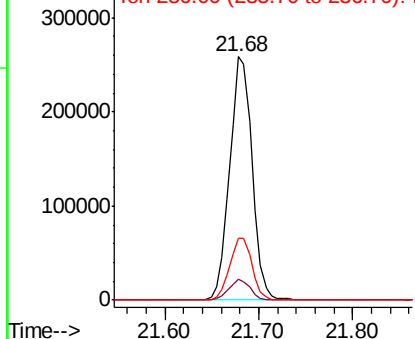


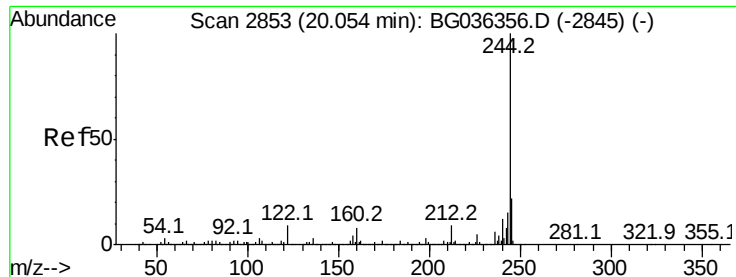
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BG036712.D
Acq: 14 Sep 2018 19:21

Tgt Ion:240 Resp: 428634
Ion Ratio Lower Upper
240 100
120 8.6 6.9 10.3
236 25.5 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: 84.065 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036712.D

Acq: 14 Sep 2018 19:21

Instrument :

BNA_G

ClientSampleID :

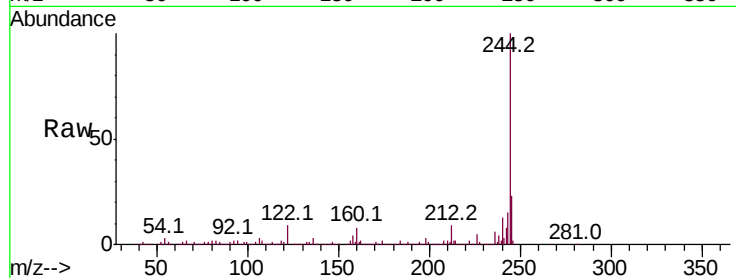
Tot Ion:244 Resp: 1541622

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.6

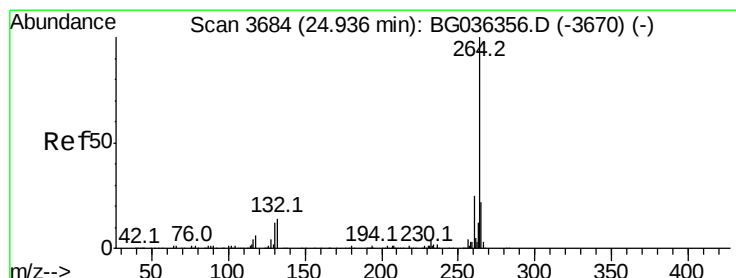
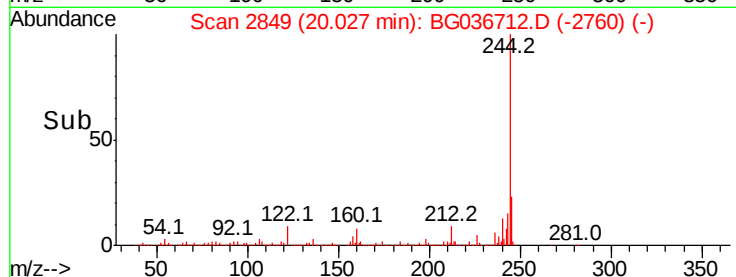
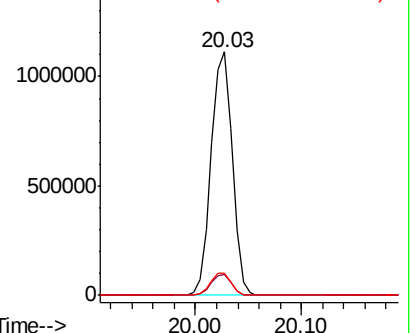
122 8.9 7.1 10.7



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: 24.89 min Scan# 3676

Delta R.T. -0.02 min

Lab File: BG036712.D

Acq: 14 Sep 2018 19:21

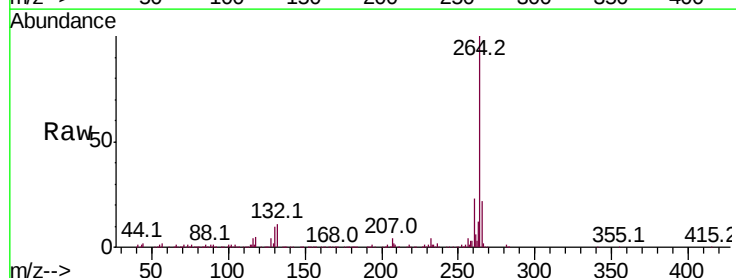
Tgt Ion:264 Resp: 425618

Ion Ratio Lower Upper

264 100

260 23.4 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

