

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120418\
 Data File : BG038356.D
 Acq On : 5 Dec 2018 12:22
 Operator : JU/SJ
 Sample : J6159-01RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 05 12:59:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 04 17:15:40 2018
 Response via : Initial Calibration

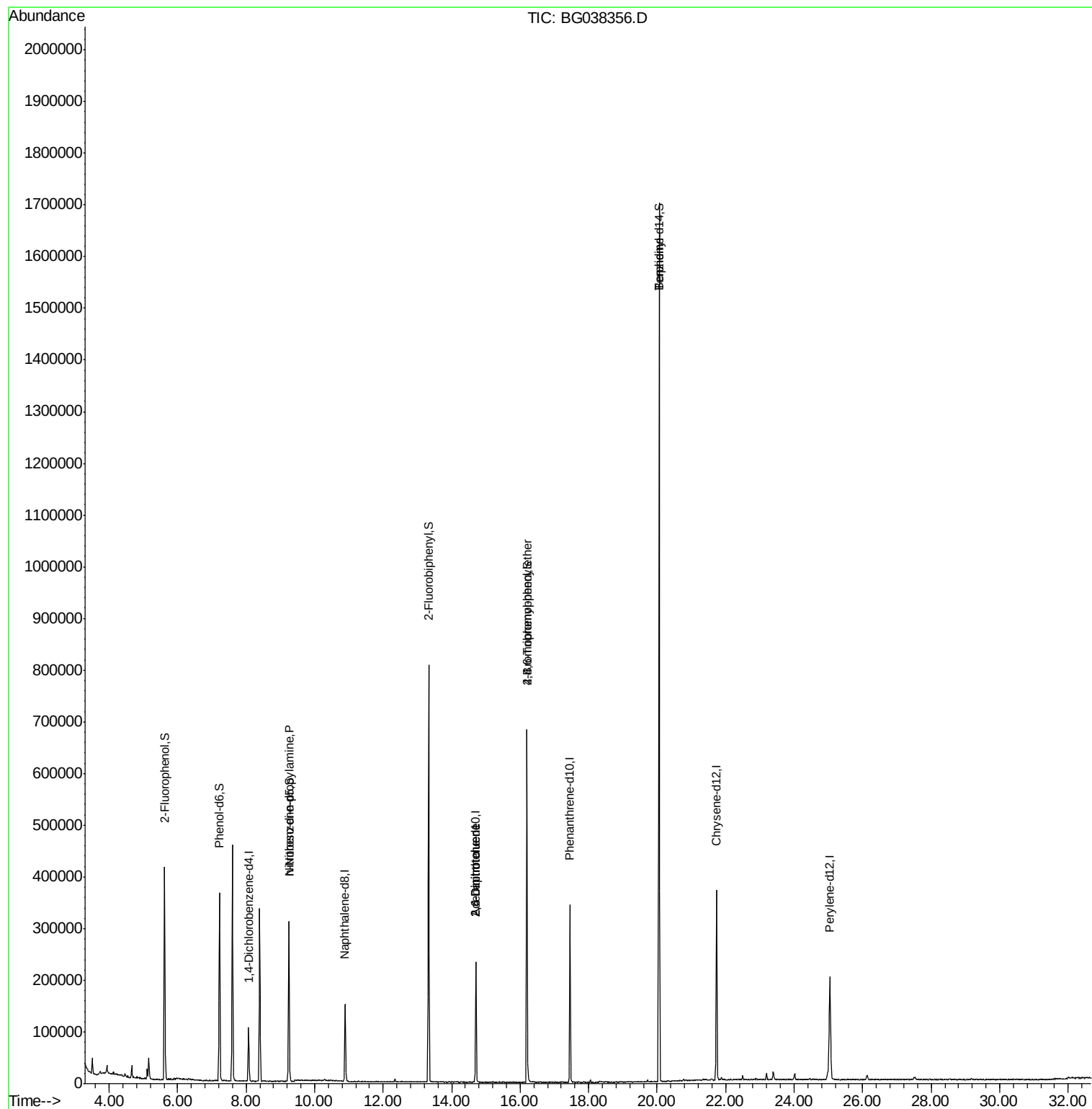
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	30264	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	137423	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	84663	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	221558	20.00	ng	0.00
76) Chrysene-d12	21.73	240	222202	20.00	ng	0.00
87) Perylene-d12	25.04	264	229570	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	182523	106.73	ng	0.00
7) Phenol-d6	7.22	99	212856	86.11	ng	0.00
23) Nitrobenzene-d5	9.25	82	187414	67.71	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	133341	128.29	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	433408	72.94	ng	0.00
79) Terphenyl-d14	20.06	244	851095	82.05	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	24466	12.073	ng	# 75
22) Acetophenone	8.91	105	63	Below Cal		# 48
51) 2,6-Dinitrotoluene	14.71	165	10700	6.898	ng	# 23
57) 2,4-Dinitrotoluene	14.71	165	10700	5.001	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	9391	3.925	ng	# 1
77) Benzidine	20.06	184	15078	2.011	ng	# 91

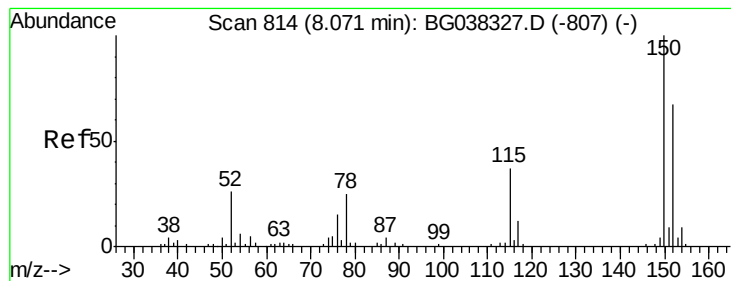
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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QLast Update : Tue Dec 04 17:15:40 2018
Response via : Initial Calibration



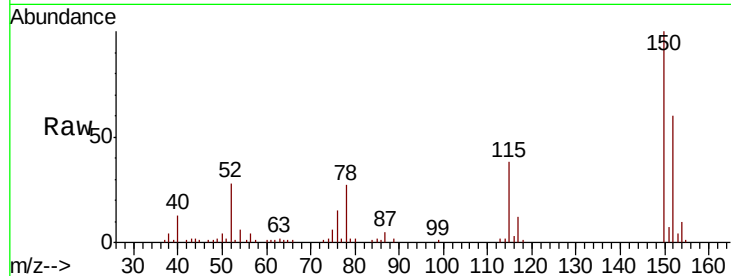


#1

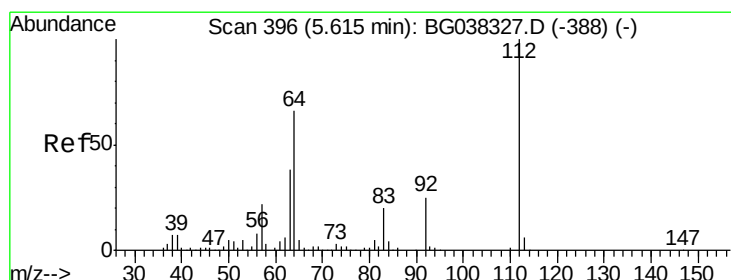
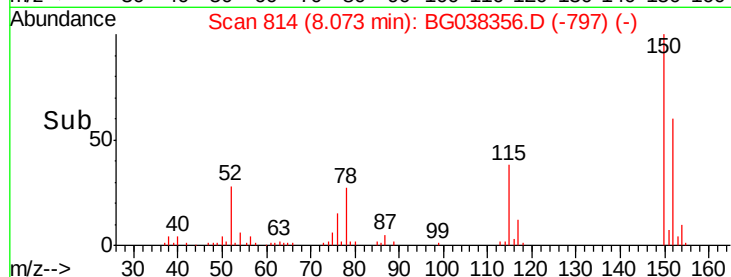
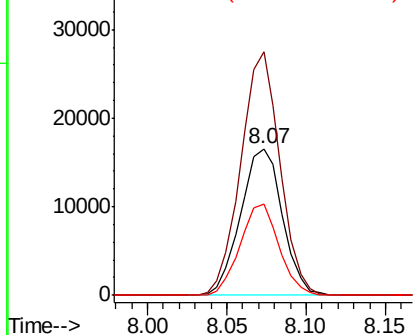
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. 0.00 min
Lab File: BG038356.D
Acq: 5 Dec 2018 12:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30264
Ion Ratio Lower Upper
152 100
150 166.3 126.0 189.0
115 62.6 45.5 68.3



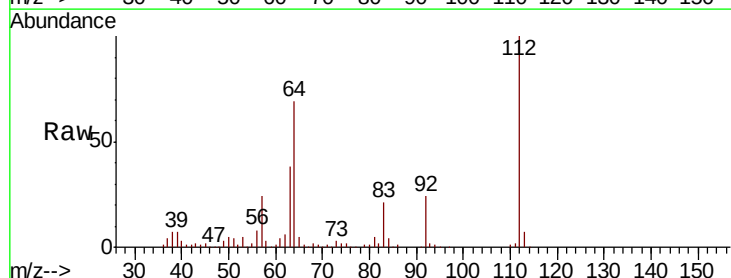
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



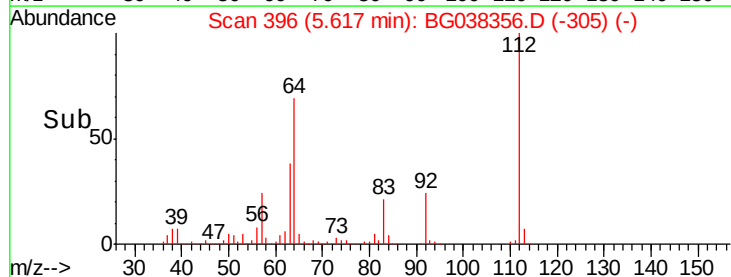
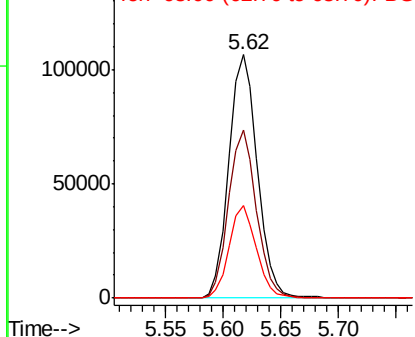
#5

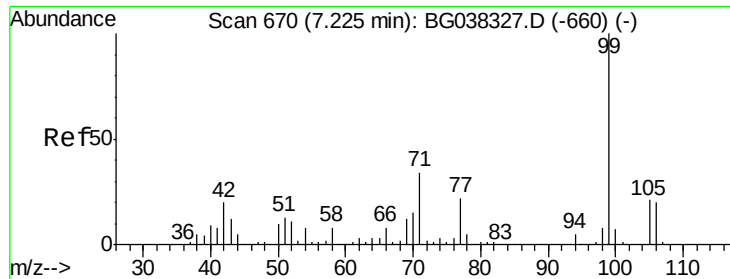
2-Fluorophenol
Concen: 106.728 ng
RT: 5.62 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG038356.D
Acq: 5 Dec 2018 12:22

Tgt Ion:112 Resp: 182523
Ion Ratio Lower Upper
112 100
64 68.9 53.1 79.7
63 38.0 27.3 40.9



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: 86.115 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG038356.D

Acq: 5 Dec 2018 12:22

Instrument :

BNA_G

ClientSampleId :

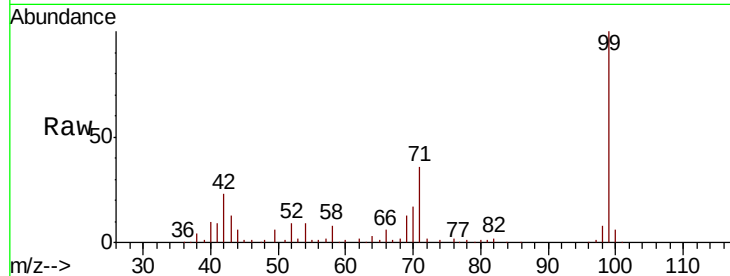
Tot Ion: 99 Resp: 212856

Ion Ratio Lower Upper

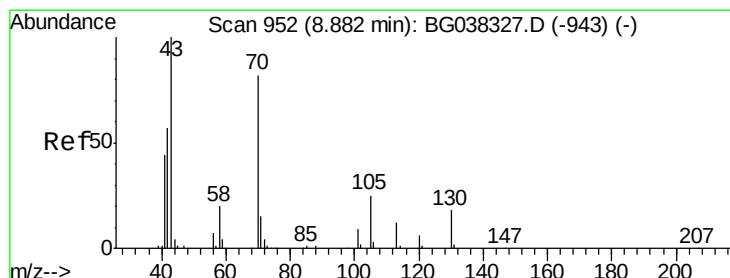
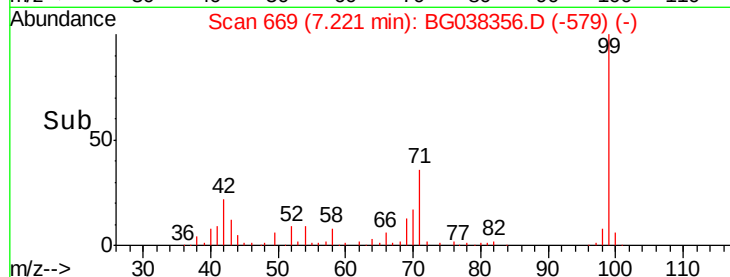
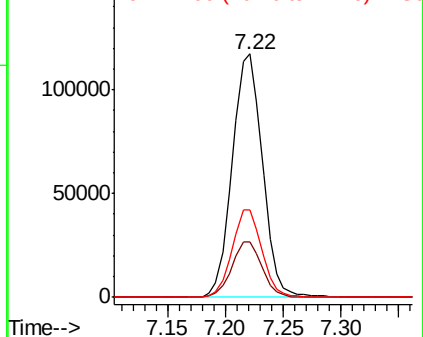
99 100

42 22.6 15.0 22.4#

71 35.9 25.5 38.3



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: 12.073 ng

RT: 9.24 min Scan# 1013

Delta R.T. 0.36 min

Lab File: BG038356.D

Acq: 5 Dec 2018 12:22

Tgt Ion: 70 Resp: 24466

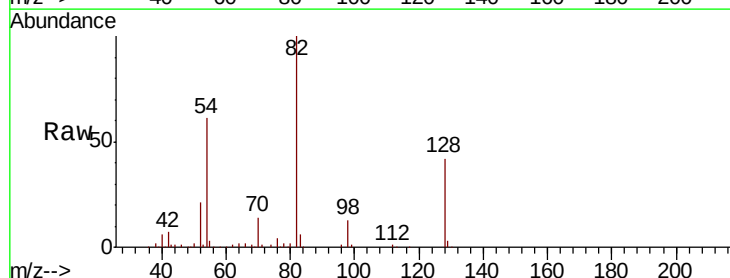
Ion Ratio Lower Upper

70 100

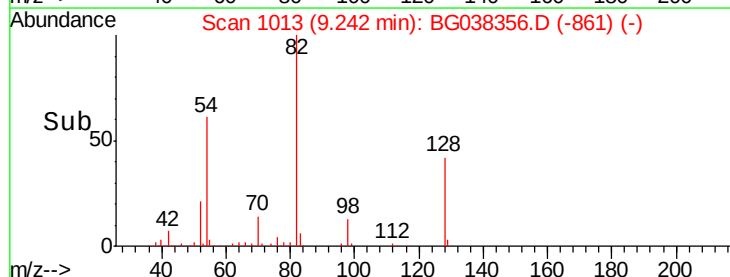
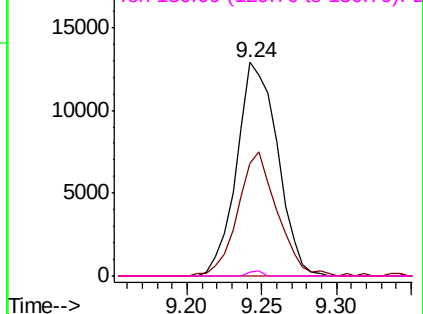
42 52.5 53.9 80.9#

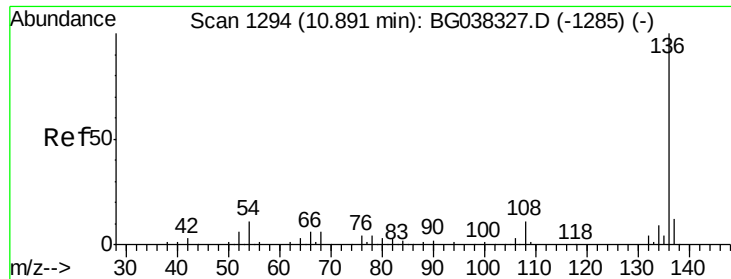
101 0.0 8.2 12.2#

130 2.1 18.2 27.4#



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

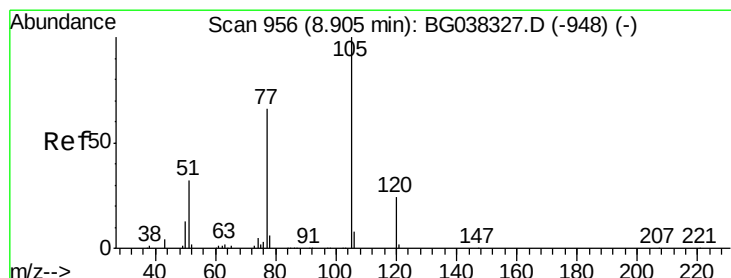
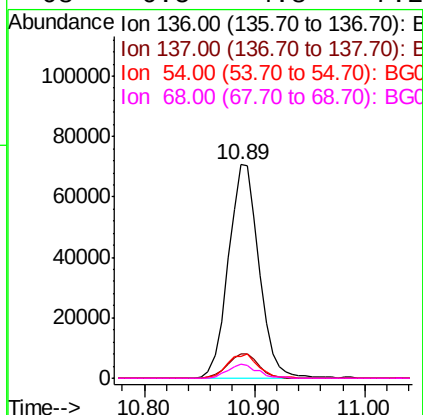
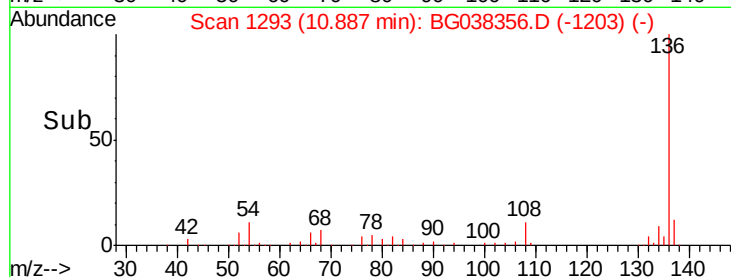
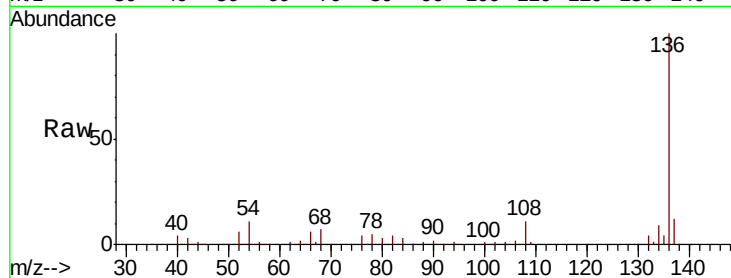




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BG038356.D
Acq: 5 Dec 2018 12:22

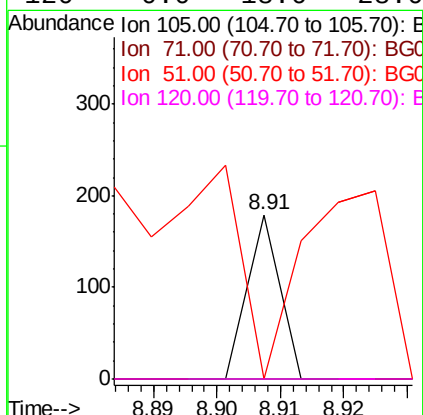
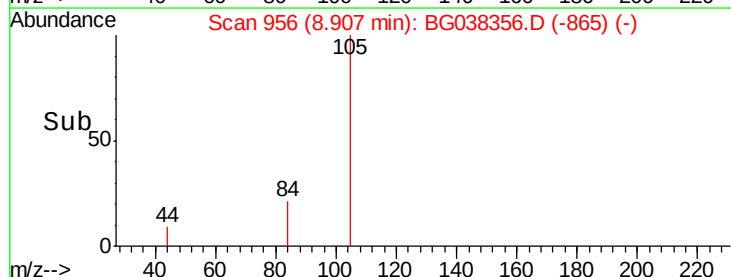
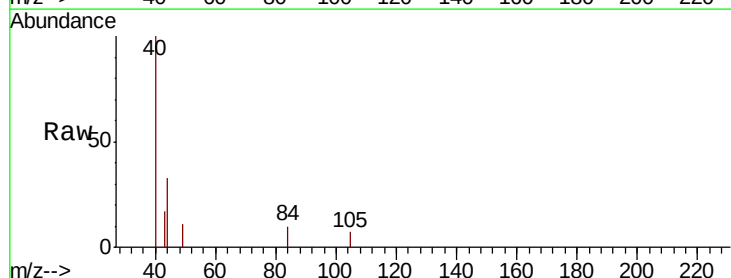
Instrument :
BNA_G
ClientSampled :

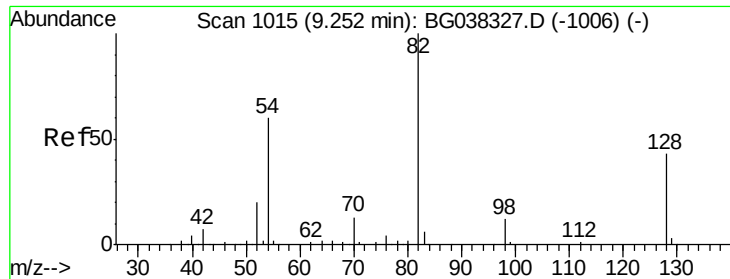
Tot Ion:	136	Resp:	137423
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.6	14.4
54	10.5	7.9	11.9
68	6.5	4.8	7.2



#22
Acetophenone
Concen: Below Cal
RT: 8.91 min Scan# 956
Delta R.T. 0.00 min
Lab File: BG038356.D
Acq: 5 Dec 2018 12:22

Tgt Ion:	105	Resp:	63
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.2	1.8#
51	0.0	25.0	37.6#
120	0.0	18.6	28.0#

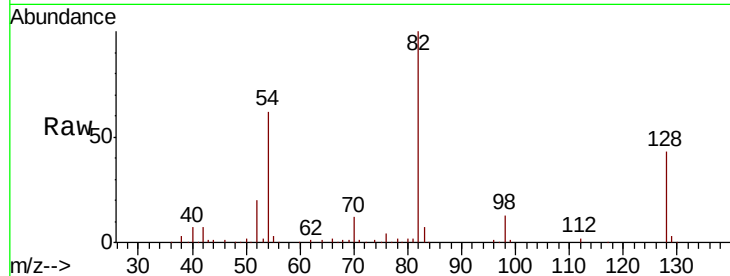




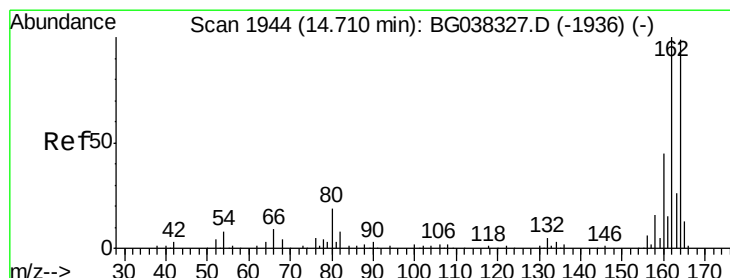
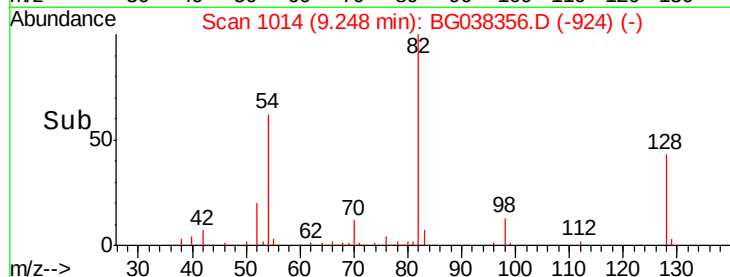
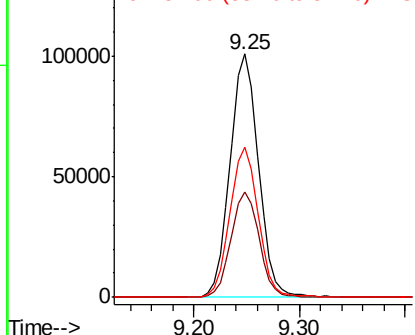
#23
 Nitrobenzene-d5
 Concen: 67.709 ng
 RT: 9.25 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: BG038356.D
 Acq: 5 Dec 2018 12:22

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 82 Resp: 187414
 Ion Ratio Lower Upper
 82 100
 128 43.2 34.6 51.8
 54 61.8 45.3 67.9

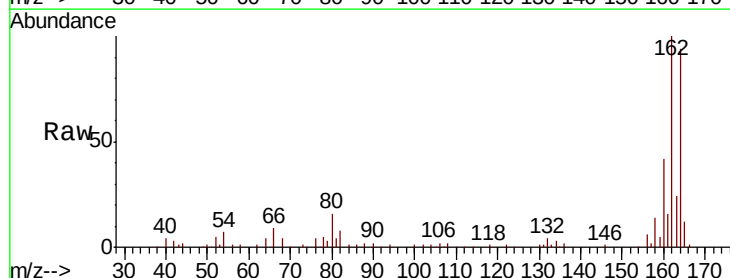


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

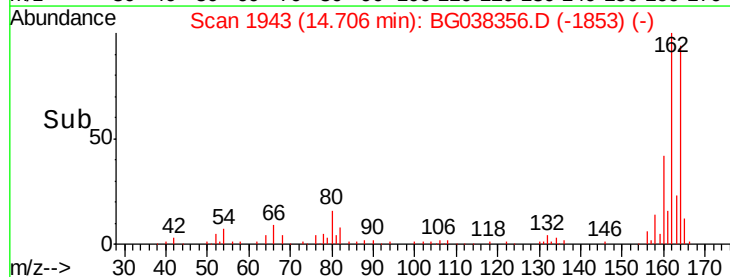
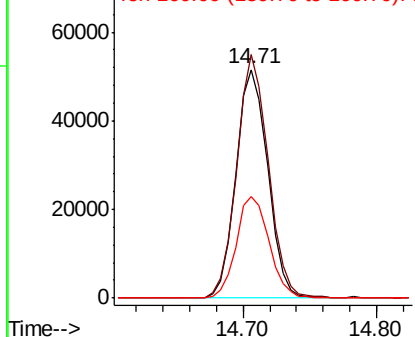


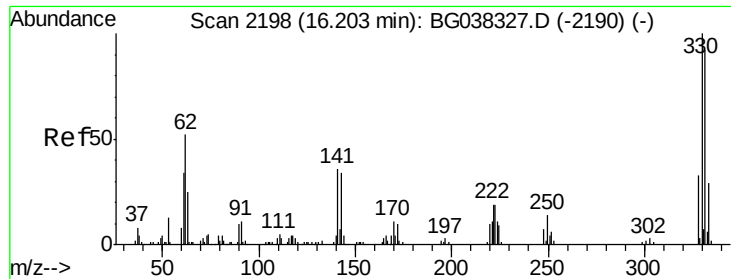
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.71 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: BG038356.D
 Acq: 5 Dec 2018 12:22

Tgt Ion:164 Resp: 84663
 Ion Ratio Lower Upper
 164 100
 162 106.5 81.3 121.9
 160 44.6 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

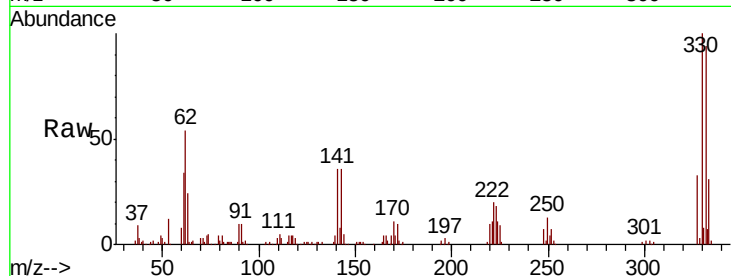




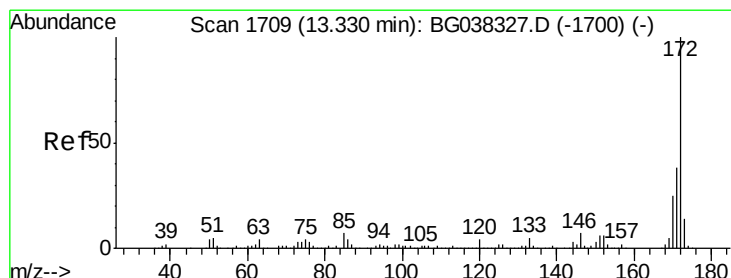
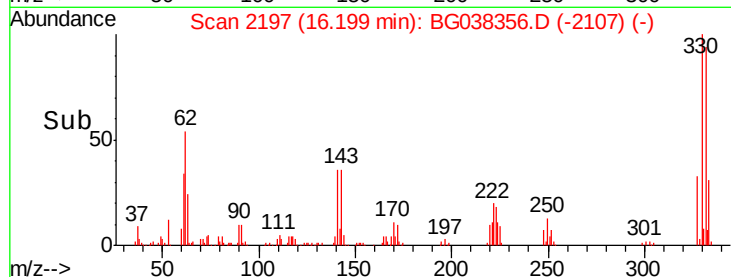
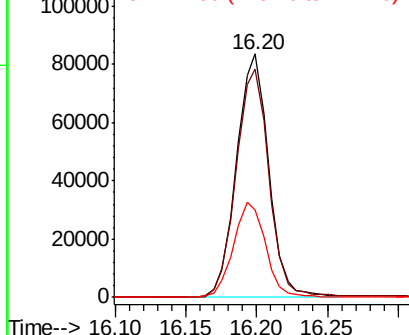
#42
 2,4,6-Tribromophenol
 Concen: 128.294 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: BG038356.D
 Acq: 5 Dec 2018 12:22

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.4	117.6
141	39.3	32.2	48.2

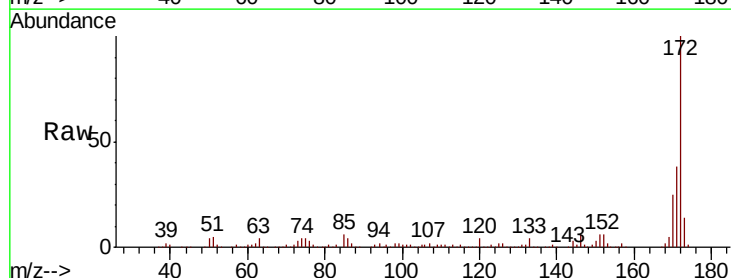


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

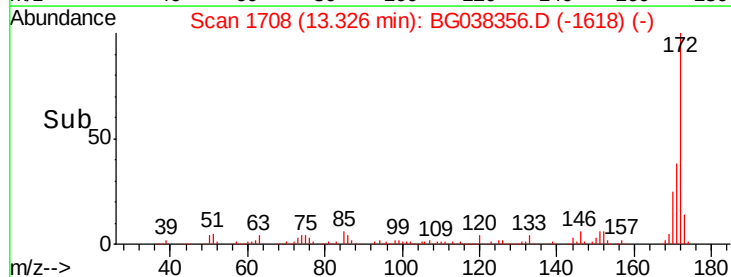
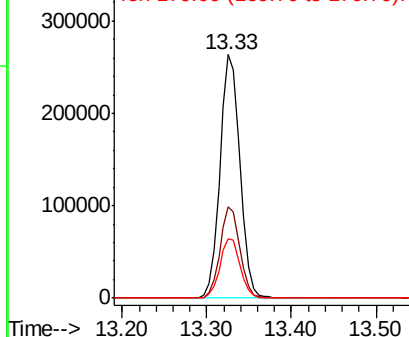


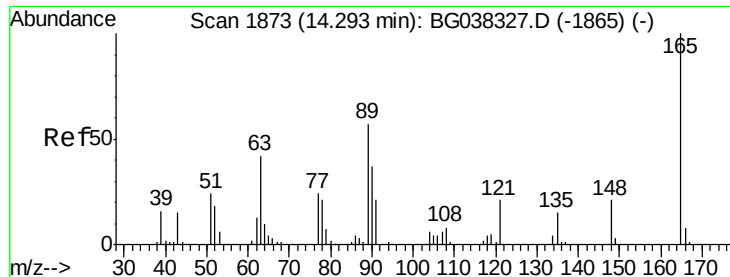
#45
 2-Fluorobiphenyl
 Concen: 72.944 ng
 RT: 13.33 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG038356.D
 Acq: 5 Dec 2018 12:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	31.0	46.4
170	24.6	20.2	30.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 6.898 ng

RT: 14.71 min Scan# 1943

Delta R.T. 0.41 min

Lab File: BG038356.D

Acq: 5 Dec 2018 12:22

Instrument :

BNA_G

ClientSampleId :

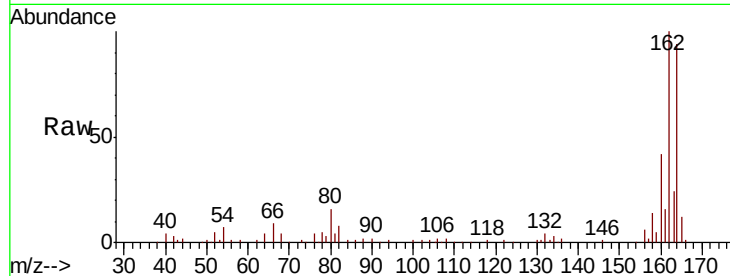
Tot Ion:165 Resp: 10700

Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.2#

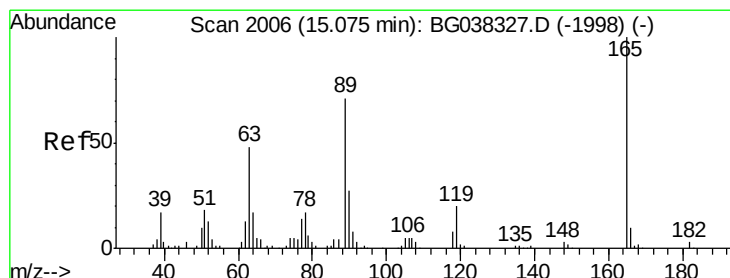
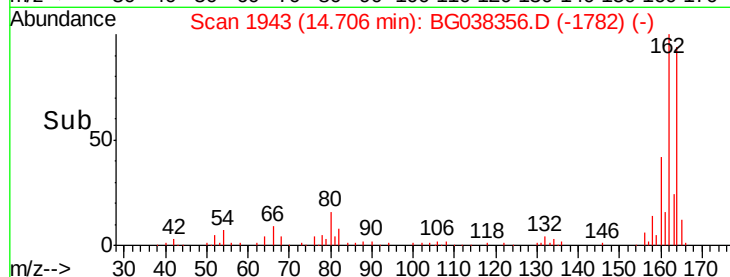
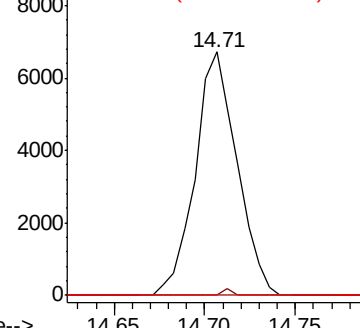
89 0.0 45.8 68.6#



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



#57

2,4-Dinitrotoluene

Concen: 5.001 ng

RT: 14.71 min Scan# 1943

Delta R.T. -0.37 min

Lab File: BG038356.D

Acq: 5 Dec 2018 12:22

Tgt Ion:165 Resp: 10700

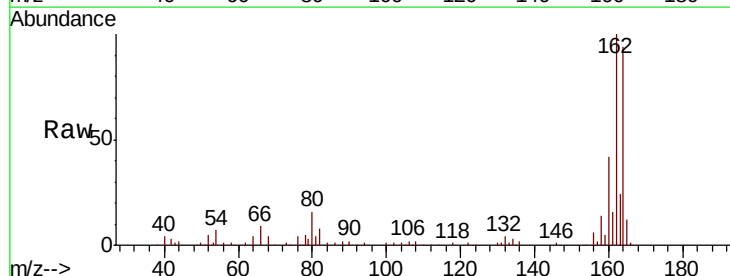
Ion Ratio Lower Upper

165 100

63 0.0 33.4 50.0#

89 0.0 57.2 85.8#

182 0.0 2.6 4.0#

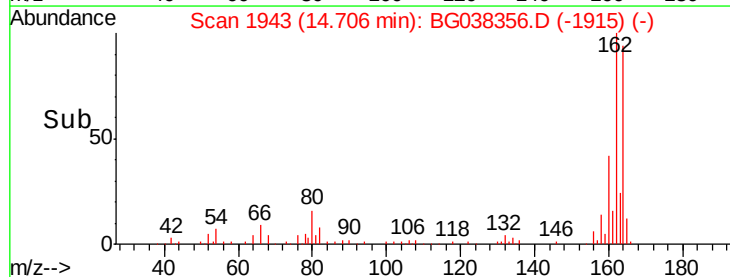
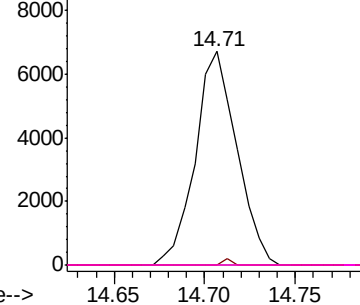


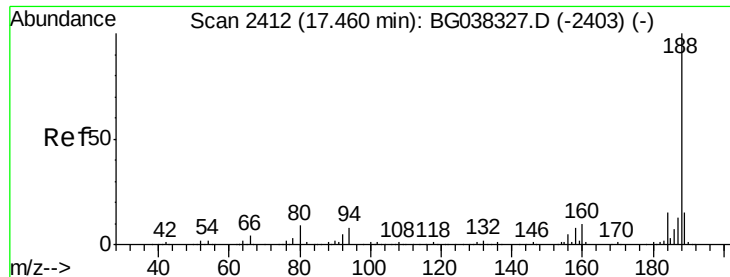
Abundance Ion 165.00 (164.70 to 165.70): E

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

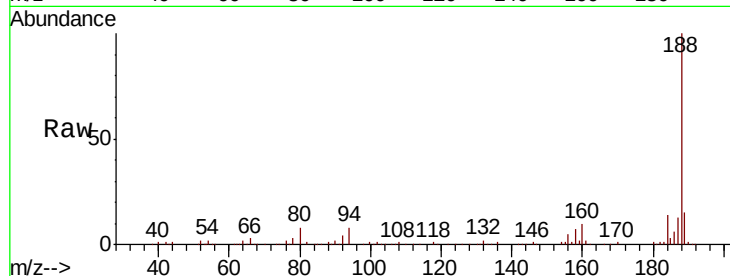




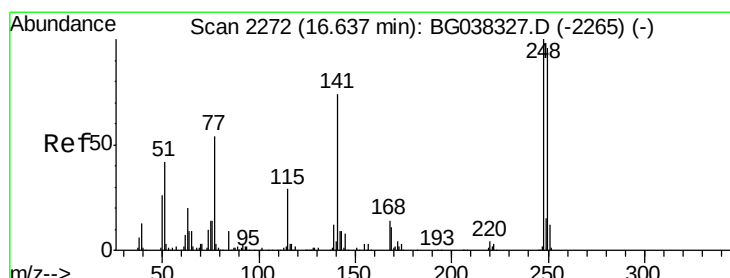
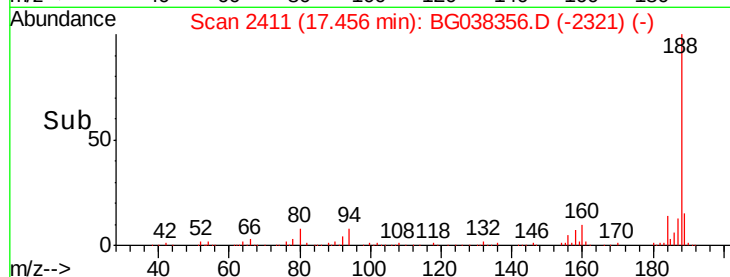
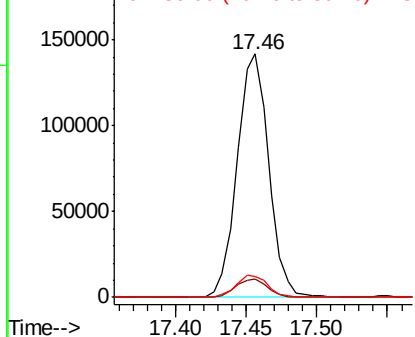
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.46 min Scan# 2411
 Delta R.T. -0.00 min
 Lab File: BG038356.D
 Acq: 5 Dec 2018 12:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 221558
 Ion Ratio Lower Upper
 188 100
 94 7.8 7.2 10.8
 80 8.5 7.7 11.5

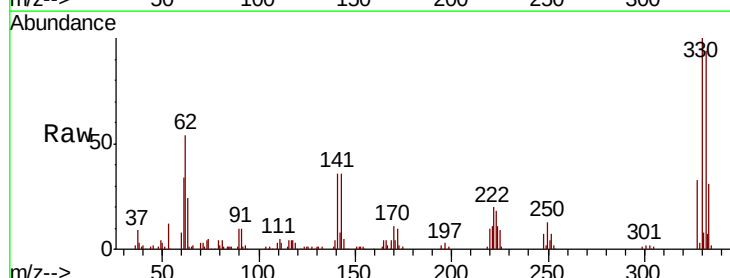


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

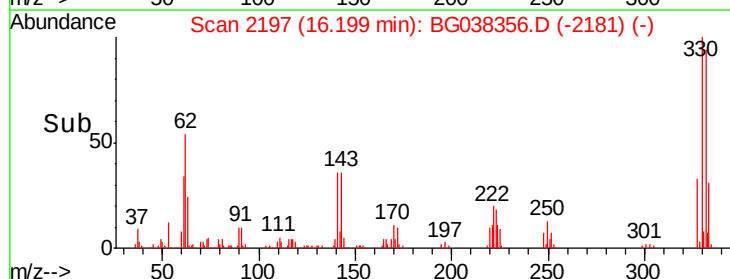
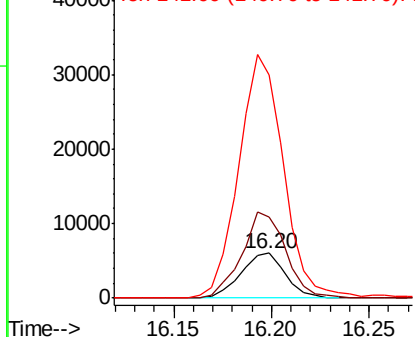


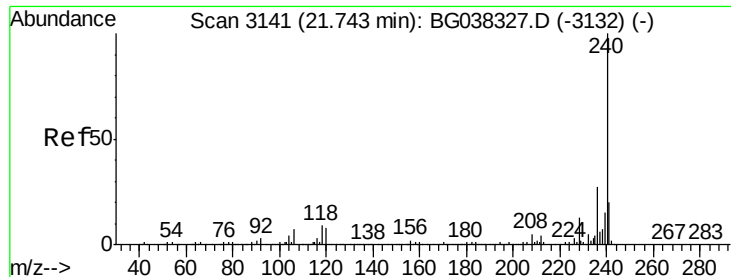
#67
 4-Bromophenyl-phenylether
 Concen: 3.925 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. -0.44 min
 Lab File: BG038356.D
 Acq: 5 Dec 2018 12:22

Tgt Ion:248 Resp: 9391
 Ion Ratio Lower Upper
 248 100
 250 175.6 77.0 115.6#
 141 379.0 55.5 83.3#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.73 min Scan# 3139

Delta R.T. -0.01 min

Lab File: BG038356.D

Acq: 5 Dec 2018 12:22

Instrument :

BNA_G

ClientSampleId :

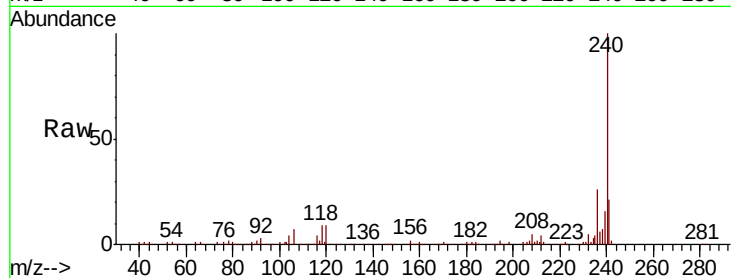
Tot Ion:240 Resp: 222202

Ion Ratio Lower Upper

240 100

120 9.3 8.1 12.1

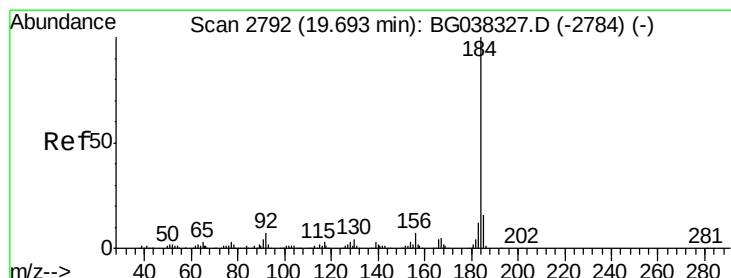
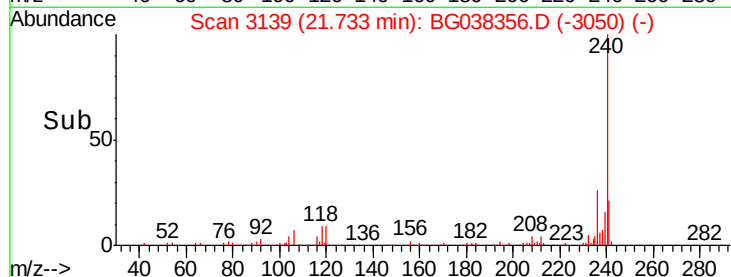
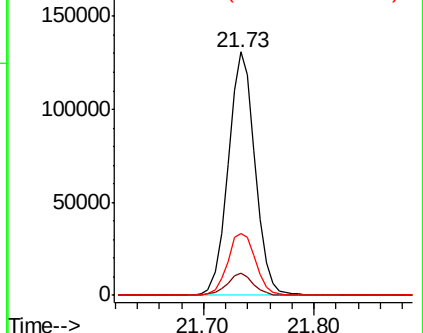
236 25.6 21.4 32.0



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



#77

Benzidine

Concen: 2.011 ng

RT: 20.06 min Scan# 2854

Delta R.T. 0.37 min

Lab File: BG038356.D

Acq: 5 Dec 2018 12:22

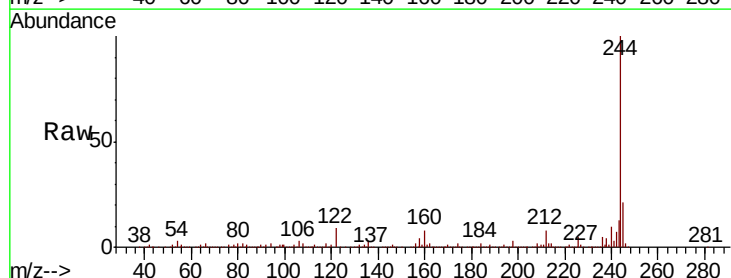
Tgt Ion:184 Resp: 15078

Ion Ratio Lower Upper

184 100

185 13.2 12.6 18.8

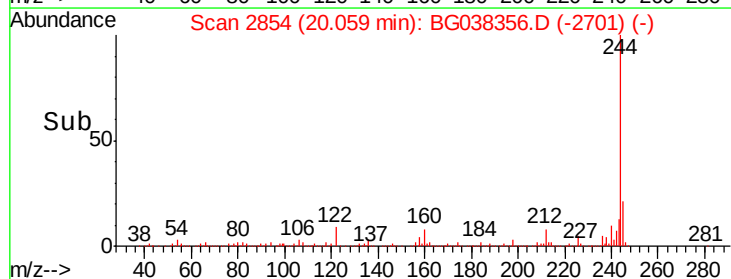
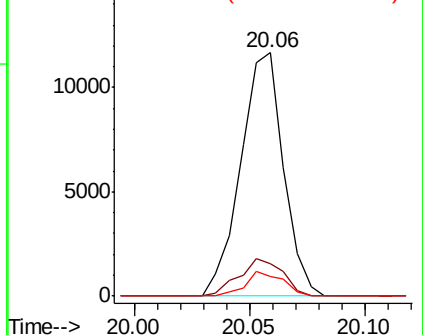
183 7.9 10.2 15.2#

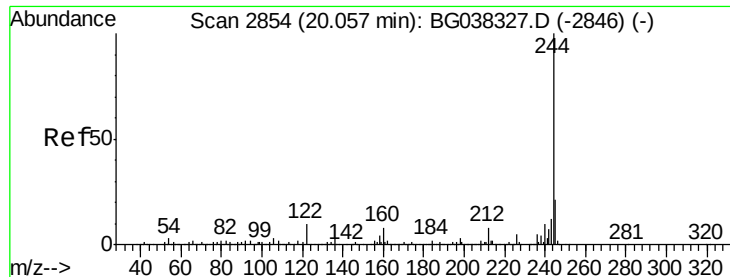


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 82.054 ng

RT: 20.06 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG038356.D

Acq: 5 Dec 2018 12:22

Instrument :

BNA_G

ClientSampleId :

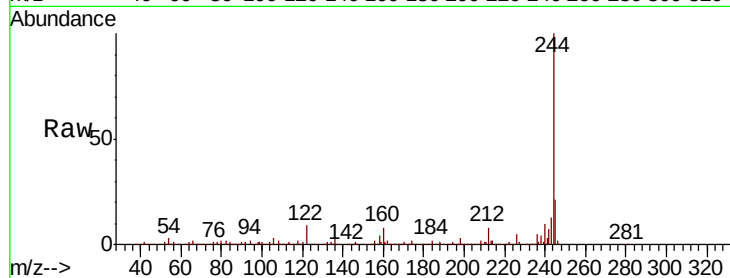
Tot Ion:244 Resp: 851095

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

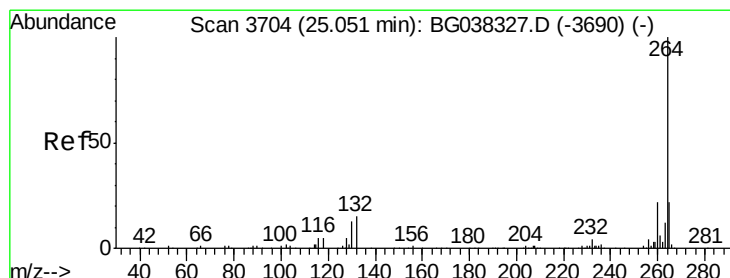
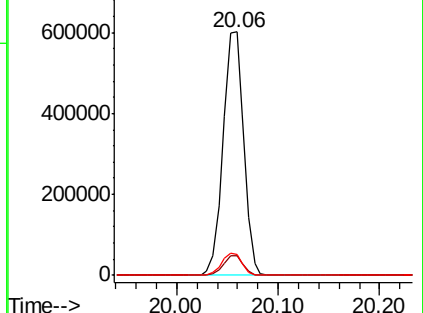
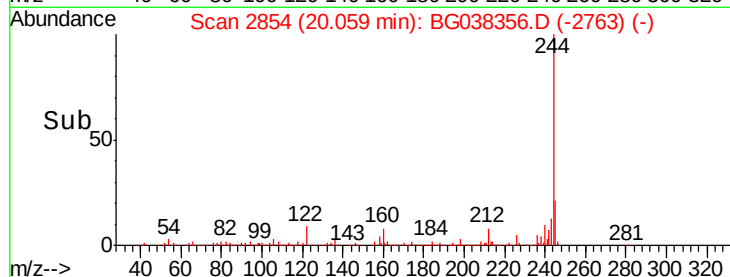
122 8.5 9.0 13.4#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.04 min Scan# 3702

Delta R.T. -0.01 min

Lab File: BG038356.D

Acq: 5 Dec 2018 12:22

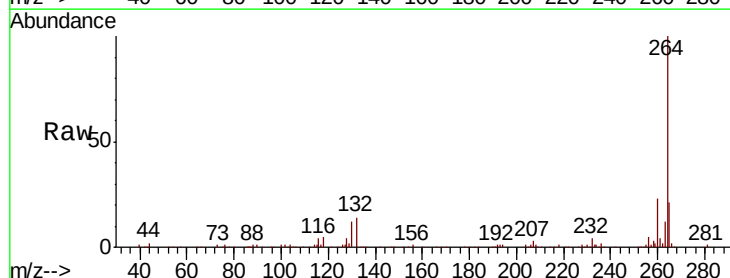
Tgt Ion:264 Resp: 229570

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.4

265 21.4 17.9 26.9



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

