

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG120718\
 Data File : BG038432.D
 Acq On : 8 Dec 2018 11:14
 Operator : JU/SJ
 Sample : J6019-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FB-120618

Quant Time: Dec 10 02:52:56 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

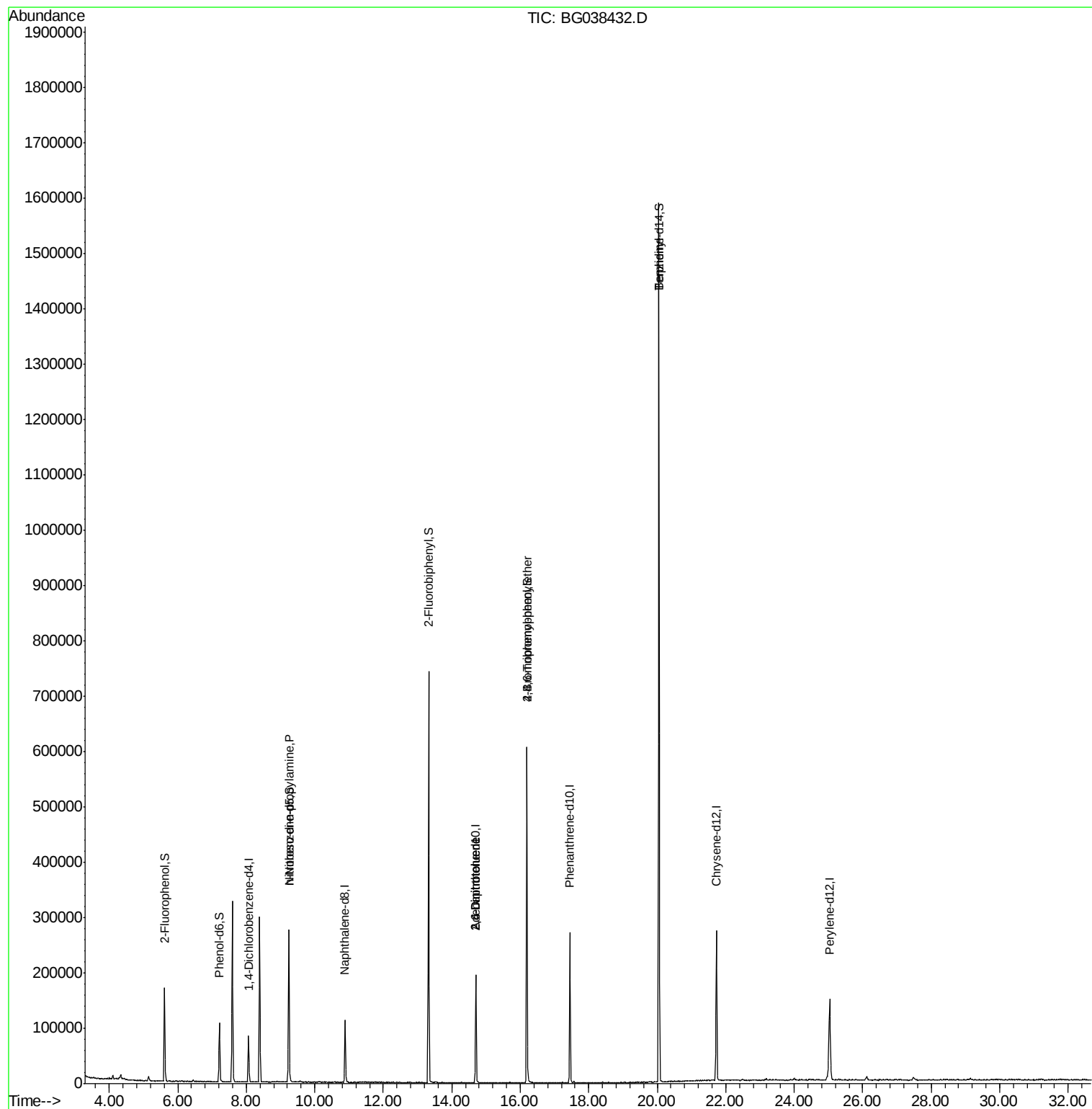
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	24218	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	104001	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	71212	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	181684	20.00	ng	-0.01
76) Chrysene-d12	21.73	240	179014	20.00	ng	-0.02
87) Perylene-d12	25.03	264	180663	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	74743	54.62	ng	0.00
7) Phenol-d6	7.21	99	64630	32.67	ng	-0.01
23) Nitrobenzene-d5	9.25	82	167242	79.84	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	115695	132.34	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	402587	80.56	ng	0.00
79) Terphenyl-d14	20.05	244	746238	89.30	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	22380	14.118	ng	# 77
22) Acetophenone	8.90	105	964	Below Cal		# 61
51) 2,6-Dinitrotoluene	14.70	165	9014	6.909	ng	# 23
57) 2,4-Dinitrotoluene	14.70	165	9014	5.009	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	7952	4.053	ng	# 1
77) Benzidine	20.05	184	12758	2.112	ng	# 92

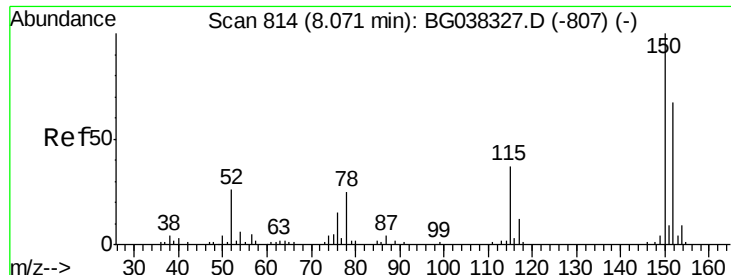
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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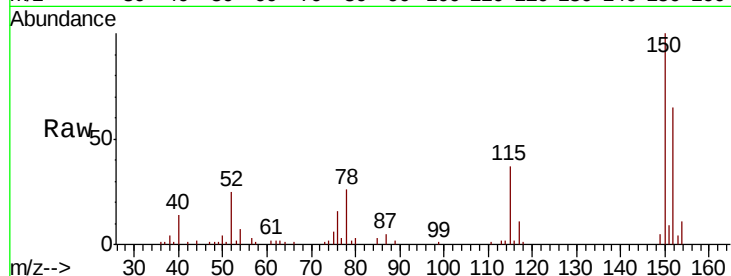


#1

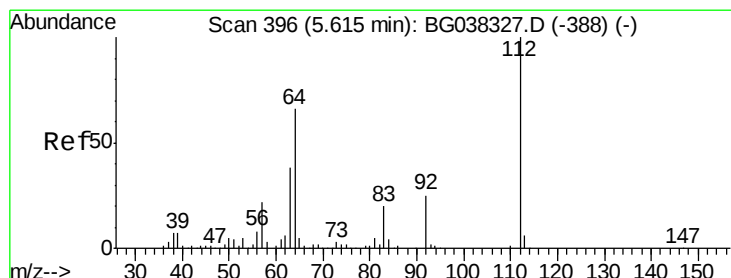
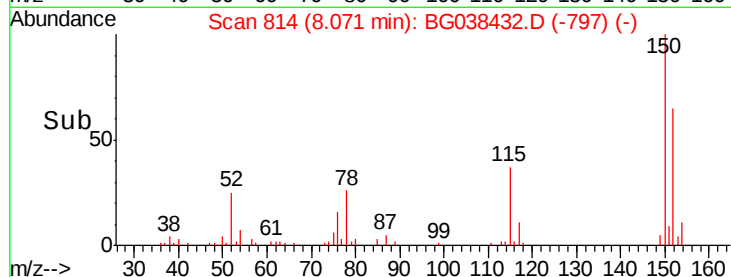
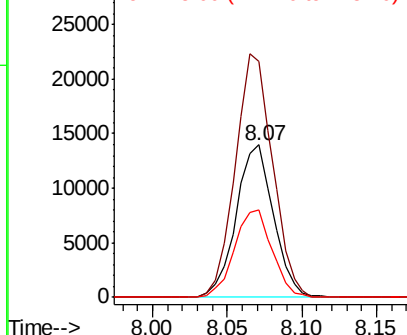
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. 0.00 min
Lab File: BG038432.D
Acq: 8 Dec 2018 11:14

Instrument :
BNA_G
ClientSampleId :
FB-120618

Tgt Ion:152 Resp: 24218
Ion Ratio Lower Upper
152 100
150 154.4 126.0 189.0
115 57.7 45.5 68.3



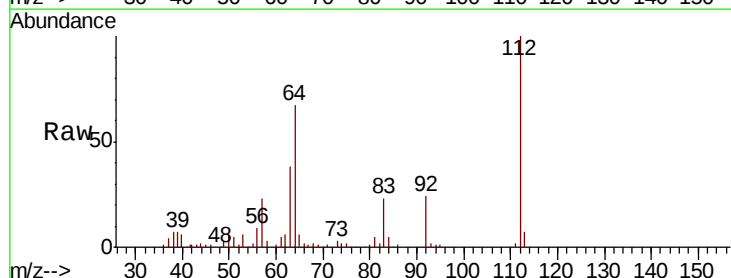
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



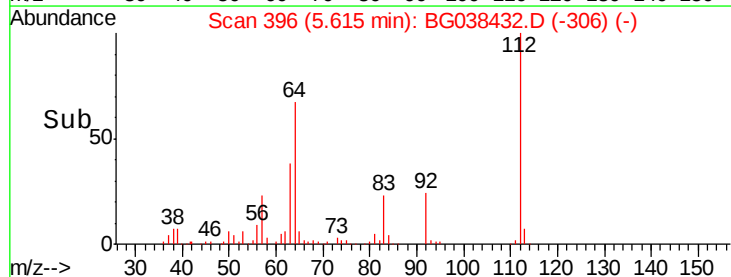
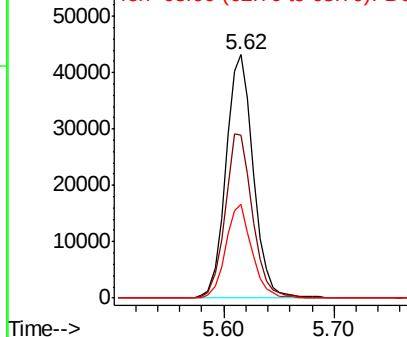
#5

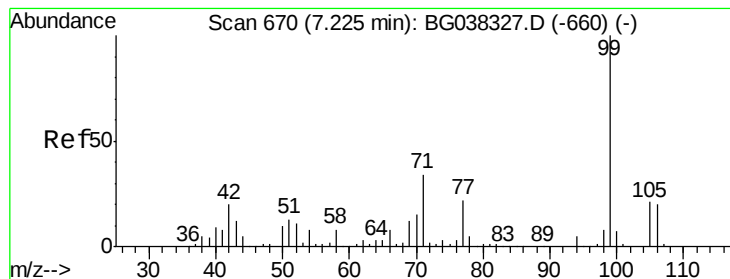
2-Fluorophenol
Concen: 54.616 ng
RT: 5.62 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG038432.D
Acq: 8 Dec 2018 11:14

Tgt Ion:112 Resp: 74743
Ion Ratio Lower Upper
112 100
64 66.9 53.1 79.7
63 38.4 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: 32.675 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG038432.D

Acq: 8 Dec 2018 11:14

Instrument :

BNA_G

ClientSampleId :

FB-120618

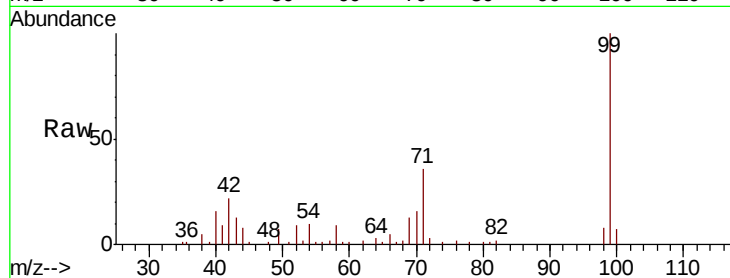
Tgt Ion: 99 Resp: 64630

Ion Ratio Lower Upper

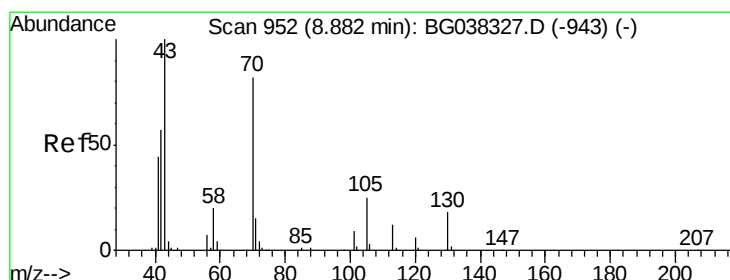
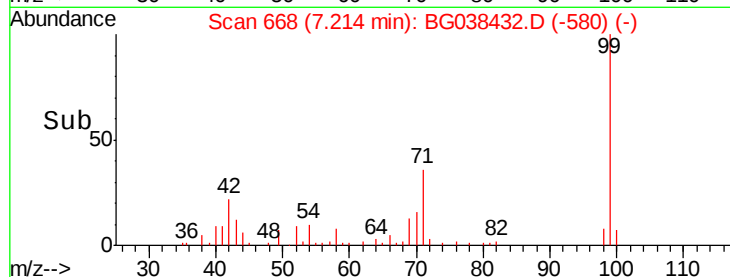
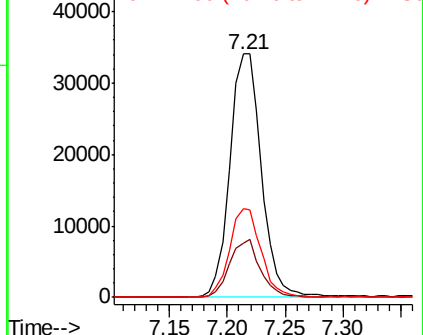
99 100

42 22.0 15.0 22.4

71 36.4 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: 14.118 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.37 min

Lab File: BG038432.D

Acq: 8 Dec 2018 11:14

Tgt Ion: 70 Resp: 22380

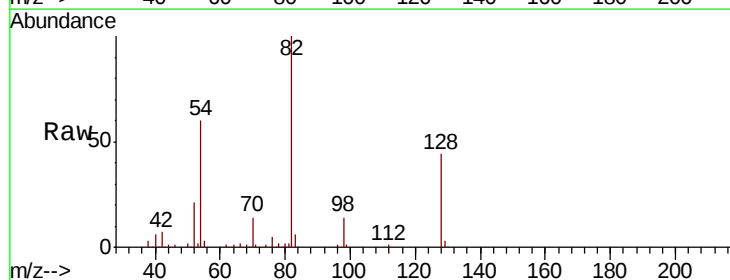
Ion Ratio Lower Upper

70 100

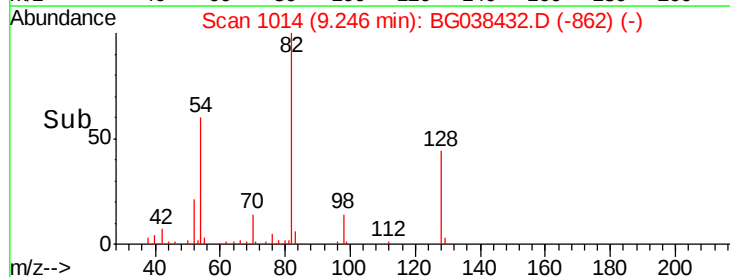
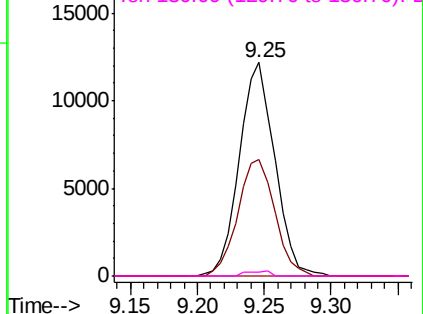
42 54.4 53.9 80.9

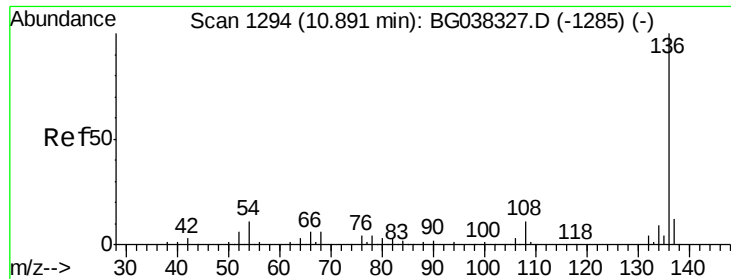
101 0.0 8.2 12.2#

130 2.0 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

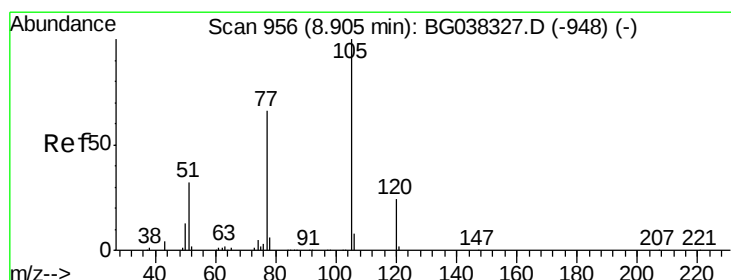
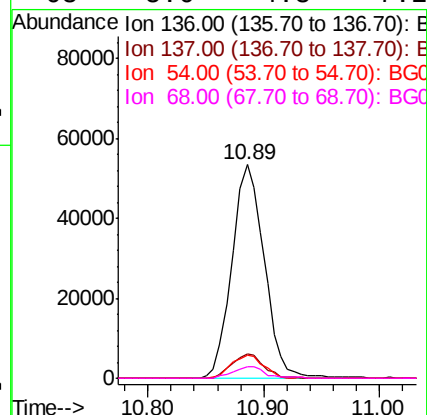
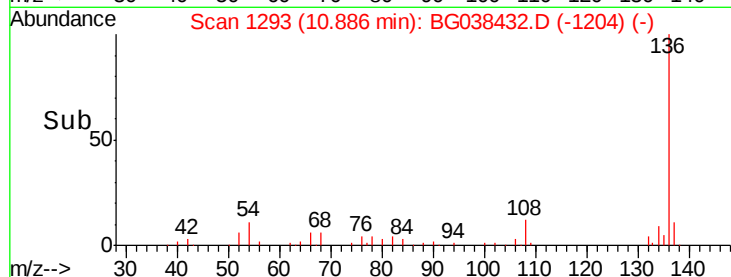
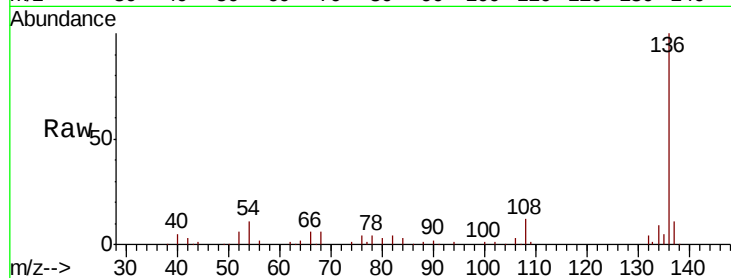




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG038432.D
Acq: 8 Dec 2018 11:14

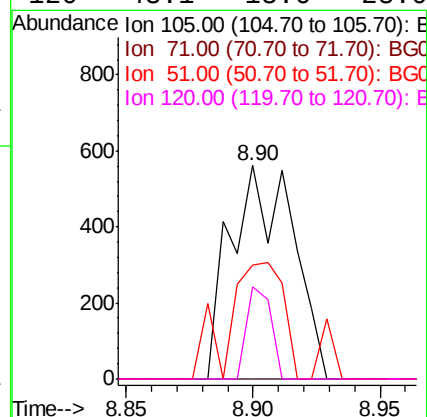
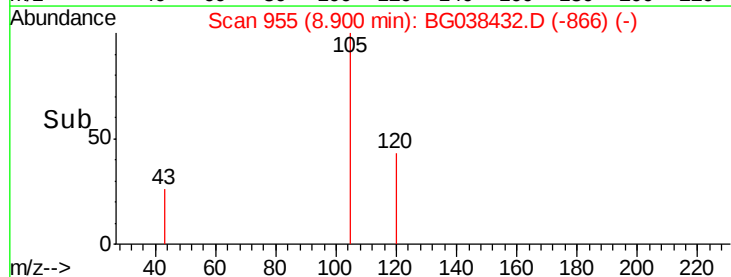
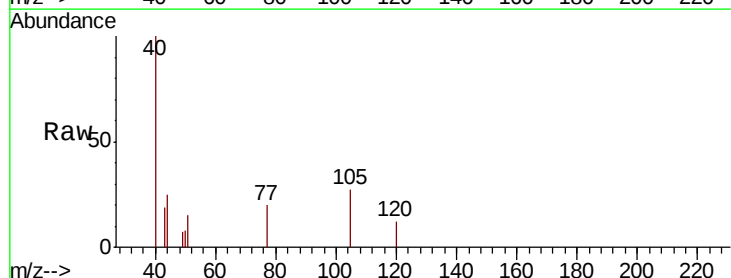
Instrument :
BNA_G
ClientSampleId :
FB-120618

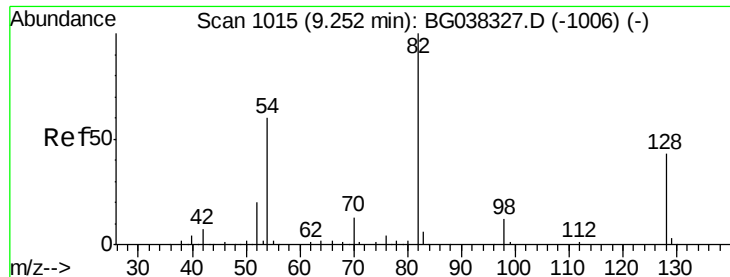
Tgt Ion:	136	Resp:	104001
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.6	14.4
54	10.8	7.9	11.9
68	5.6	4.8	7.2



#22
Acetophenone
Concen: Below Cal
RT: 8.90 min Scan# 955
Delta R.T. -0.01 min
Lab File: BG038432.D
Acq: 8 Dec 2018 11:14

Tgt Ion:	105	Resp:	964
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.2	1.8#
51	53.6	25.0	37.6#
120	43.1	18.6	28.0#





#23

Nitrobenzene-d5

Concen: 79.838 ng

RT: 9.25 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BG038432.D

Acq: 8 Dec 2018 11:14

Instrument :

BNA_G

ClientSampleId :

FB-120618

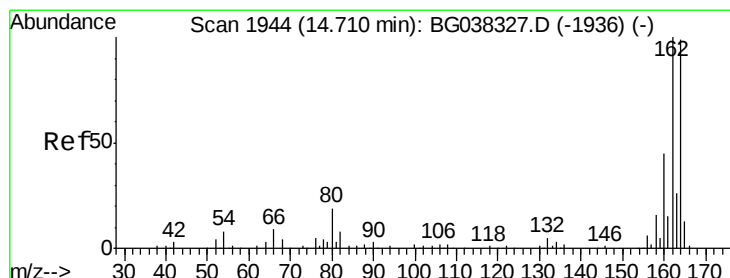
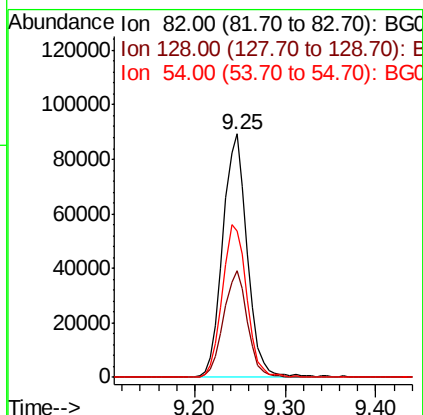
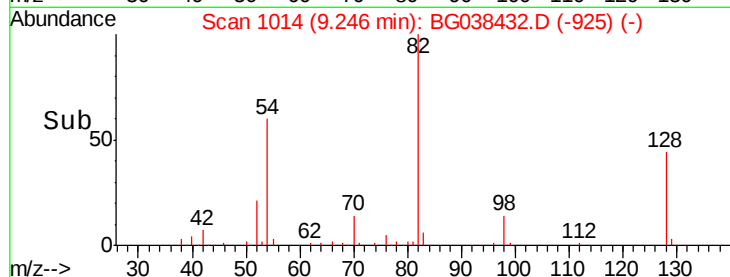
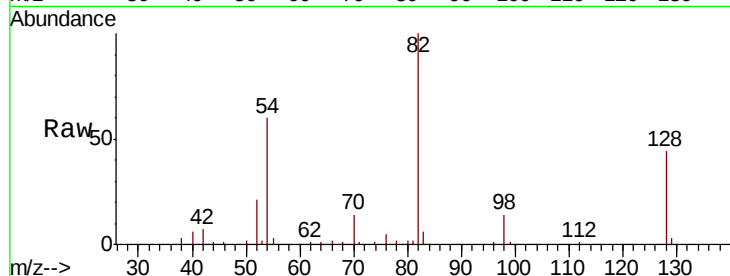
Tgt Ion: 82 Resp: 167242

Ion Ratio Lower Upper

82 100

128 43.7 34.6 51.8

54 59.9 45.3 67.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BG038432.D

Acq: 8 Dec 2018 11:14

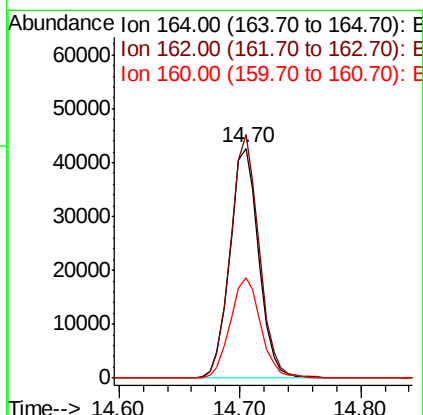
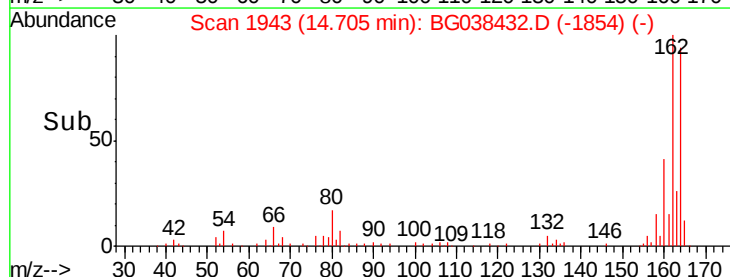
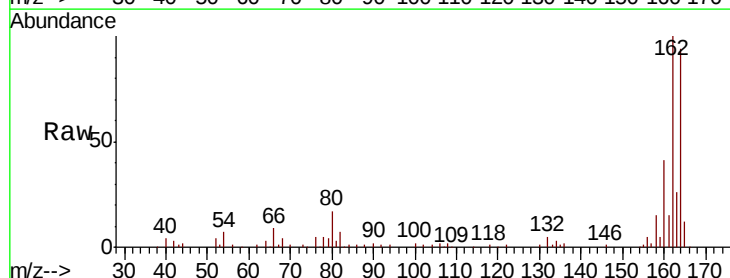
Tgt Ion: 164 Resp: 71212

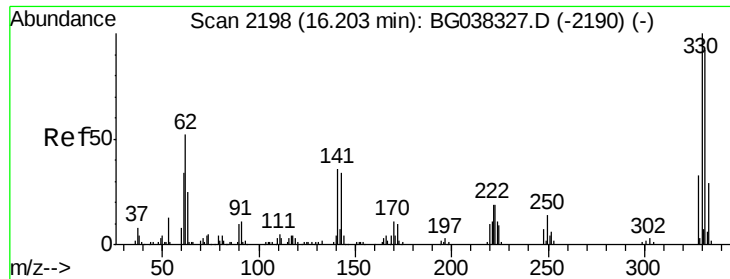
Ion Ratio Lower Upper

164 100

162 105.9 81.3 121.9

160 43.9 36.3 54.5

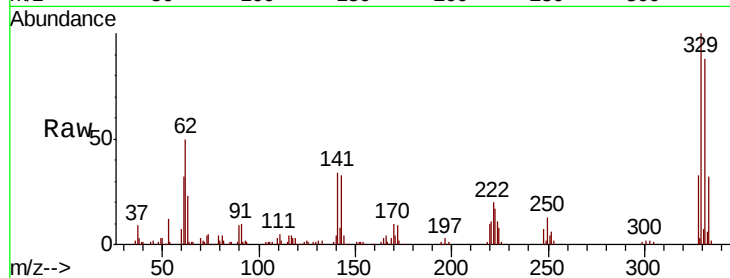




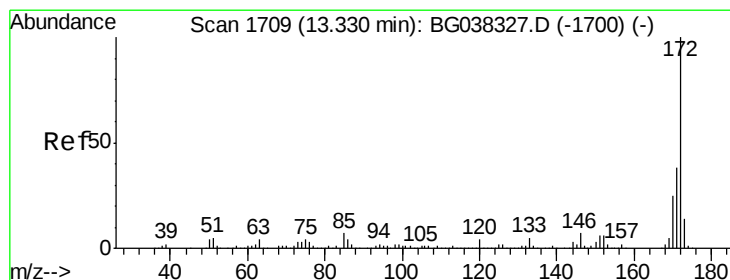
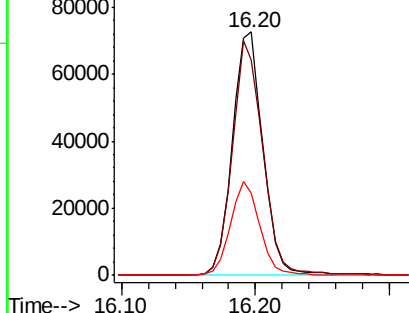
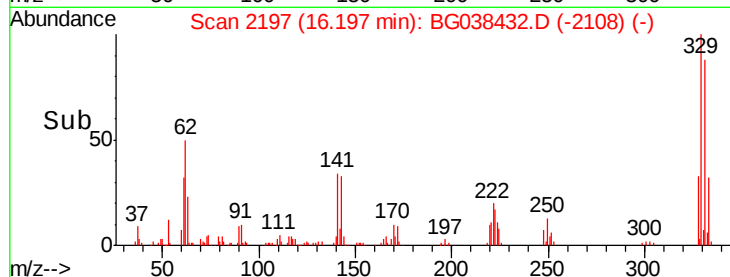
#42
 2,4,6-Tribromophenol
 Concen: 132.342 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. -0.01 min
 Lab File: BG038432.D
 Acq: 8 Dec 2018 11:14

Instrument :
 BNA_G
 ClientSampleId :
 FB-120618

Tgt Ion: 330 Resp: 115695
 Ion Ratio Lower Upper
 330 100
 332 95.3 78.4 117.6
 141 37.4 32.2 48.2

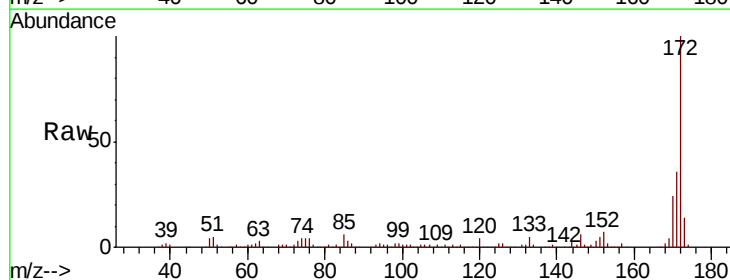


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

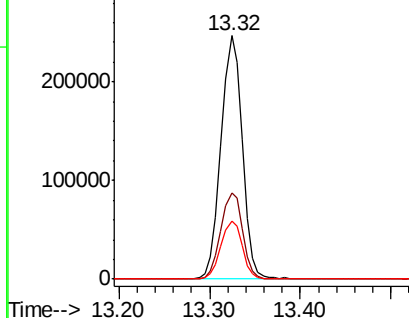
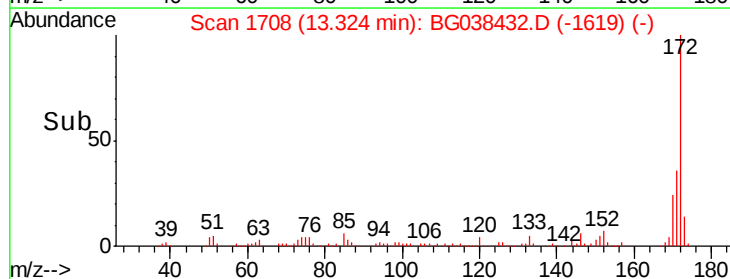


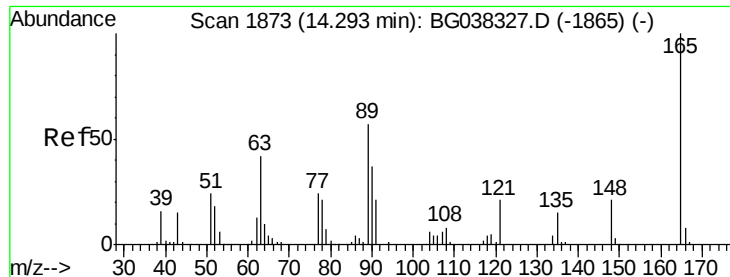
#45
 2-Fluorobiphenyl
 Concen: 80.555 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BG038432.D
 Acq: 8 Dec 2018 11:14

Tgt Ion: 172 Resp: 402587
 Ion Ratio Lower Upper
 172 100
 171 35.5 31.0 46.4
 170 23.8 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

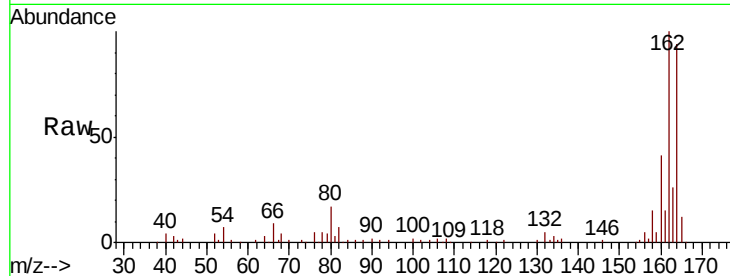




#51
 2,6-Dinitrotoluene
 Concen: 6.909 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.41 min
 Lab File: BG038432.D
 Acq: 8 Dec 2018 11:14

Instrument :
 BNA_G
 ClientSampleId :
 FB-120618

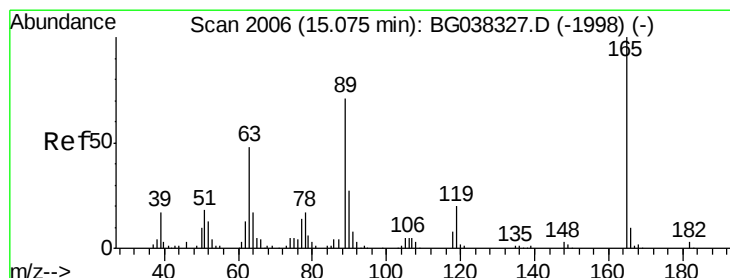
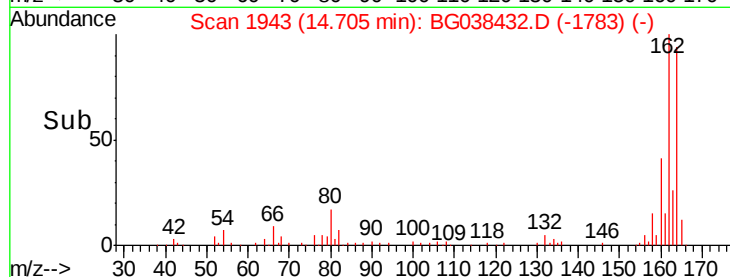
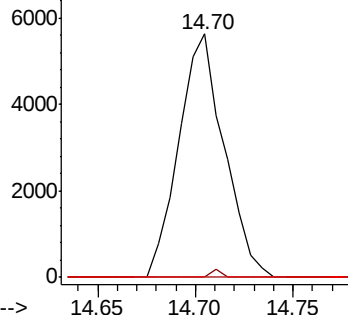
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	0.0	45.8	68.6#



Abundance Ion 165.00 (164.70 to 165.70): E

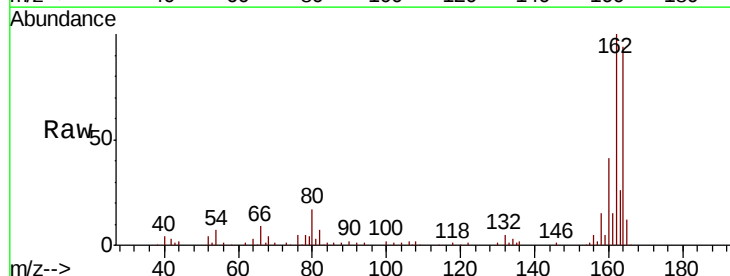
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.009 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG038432.D
 Acq: 8 Dec 2018 11:14

Tgt 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#

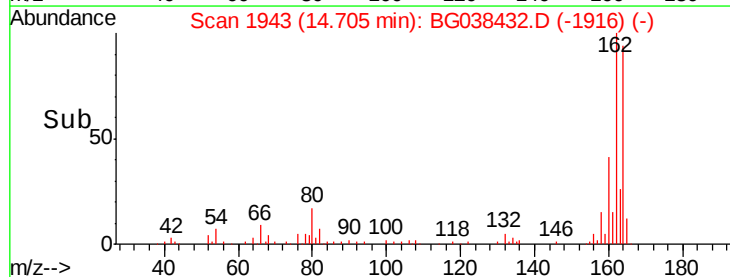
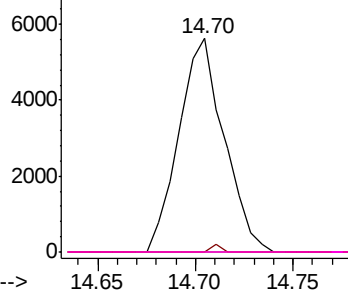


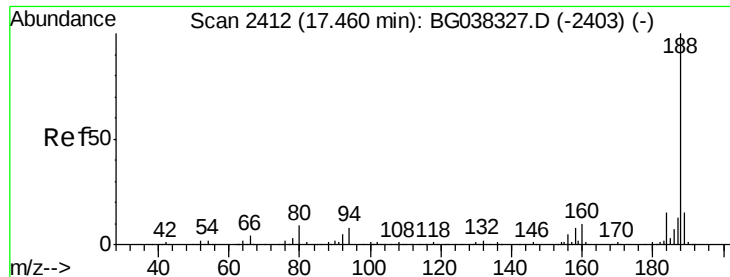
Abundance Ion 165.00 (164.70 to 165.70): E

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

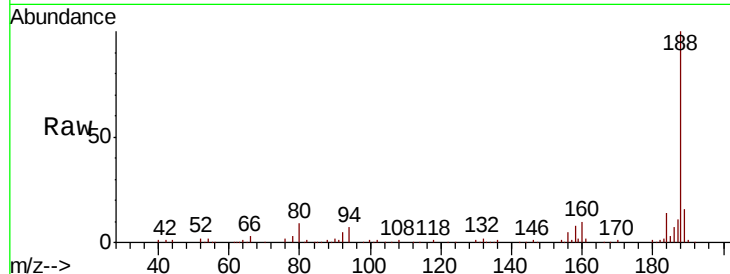




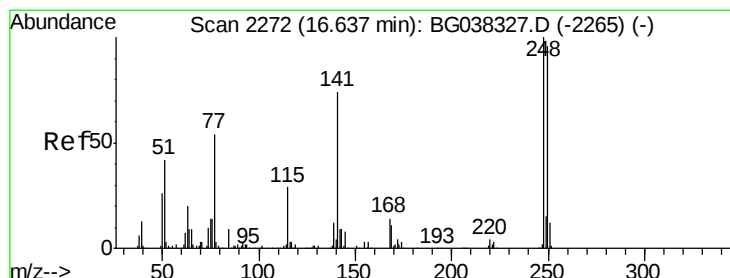
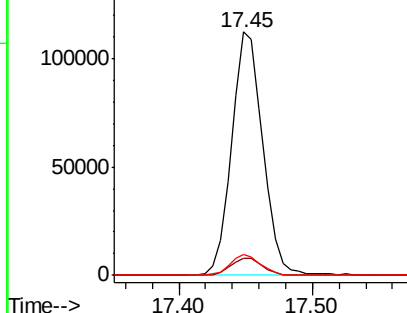
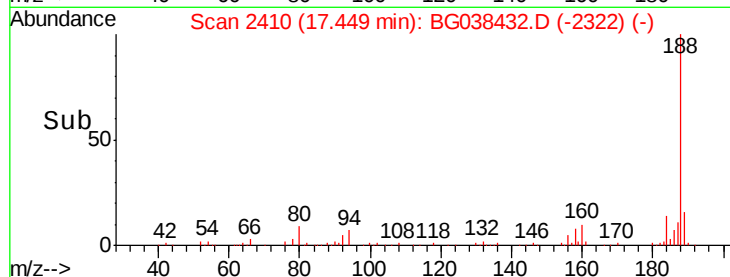
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2410
 Delta R.T. -0.01 min
 Lab File: BG038432.D
 Acq: 8 Dec 2018 11:14

Instrument :
 BNA_G
 ClientSampleId :
 FB-120618

Tgt Ion:188 Resp: 181684
 Ion Ratio Lower Upper
 188 100
 94 6.9 7.2 10.8#
 80 8.7 7.7 11.5

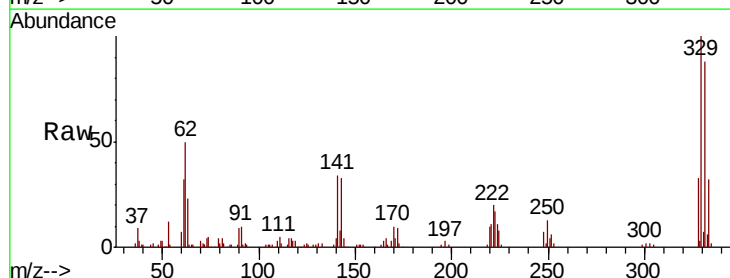


Abundance Ion 188.00 (187.70 to 188.70): E
 150000 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

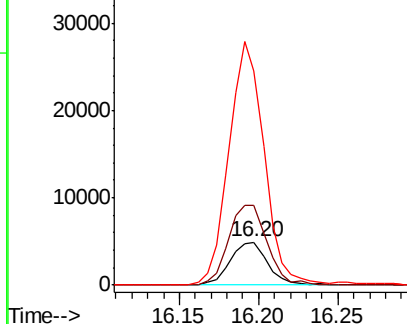
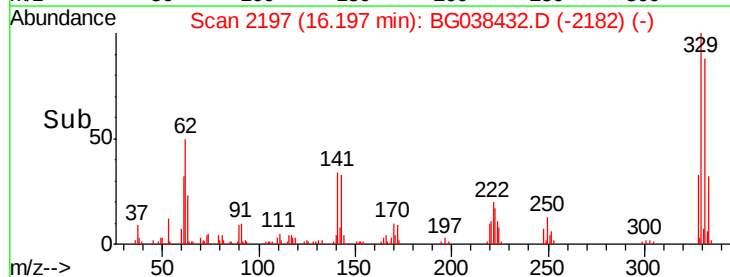


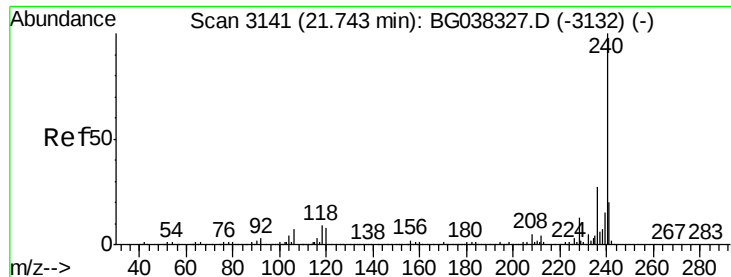
#67
 4-Bromophenyl-phenylether
 Concen: 4.053 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. -0.44 min
 Lab File: BG038432.D
 Acq: 8 Dec 2018 11:14

Tgt Ion:248 Resp: 7952
 Ion Ratio Lower Upper
 248 100
 250 178.5 77.0 115.6#
 141 372.7 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

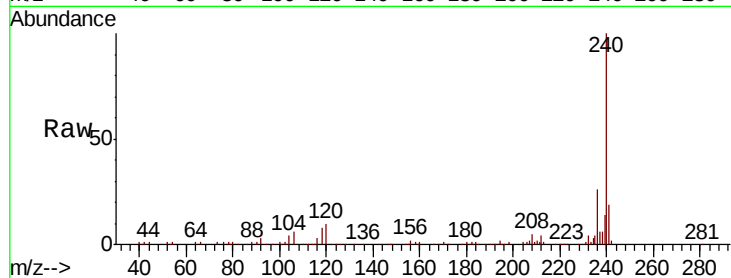




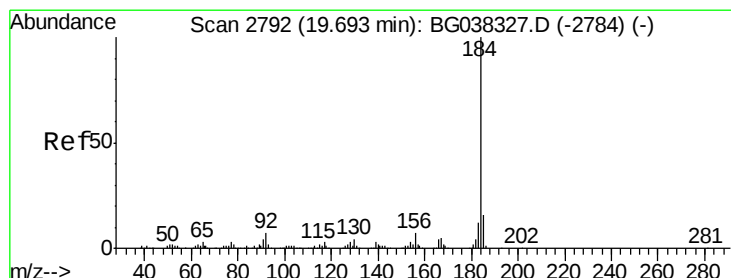
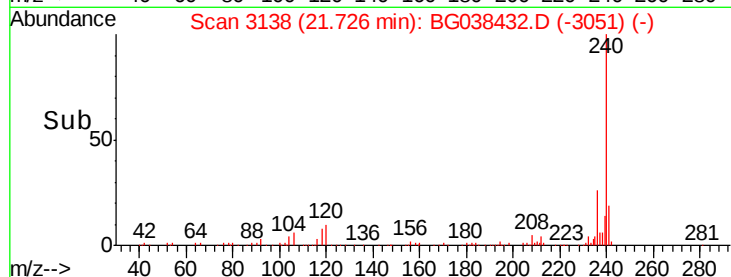
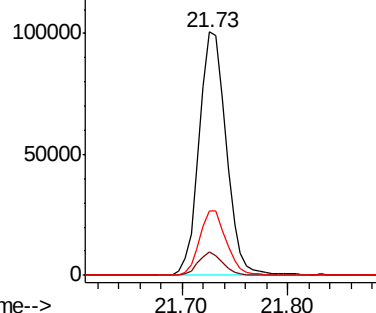
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3138
Delta R.T. -0.02 min
Lab File: BG038432.D
Acq: 8 Dec 2018 11:14

Instrument :
BNA_G
ClientSampleId :
FB-120618

Tgt Ion:240 Resp: 179014
Ion Ratio Lower Upper
240 100
120 9.7 8.1 12.1
236 26.4 21.4 32.0

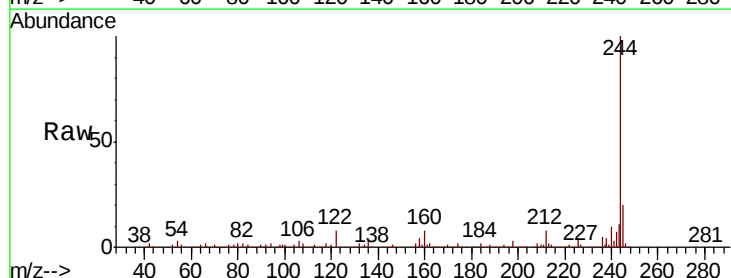


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

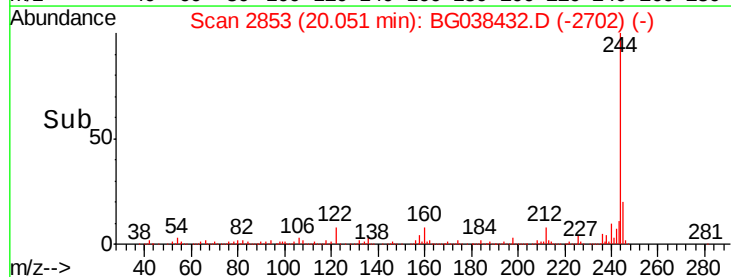
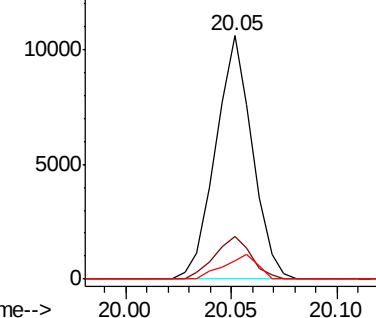


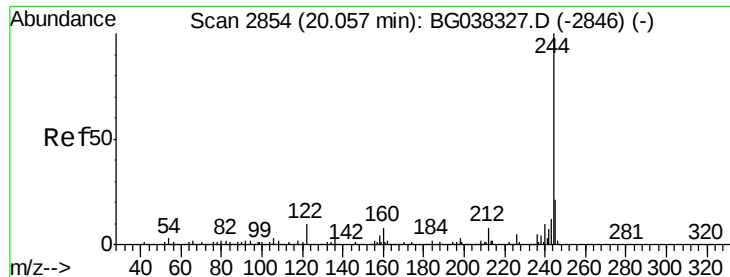
#77
Benzidine
Concen: 2.112 ng
RT: 20.05 min Scan# 2853
Delta R.T. 0.36 min
Lab File: BG038432.D
Acq: 8 Dec 2018 11:14

Tgt Ion:184 Resp: 12758
Ion Ratio Lower Upper
184 100
185 17.6 12.6 18.8
183 7.5 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: 89.302 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG038432.D

Acq: 8 Dec 2018 11:14

Instrument :

BNA_G

ClientSampleId :

FB-120618

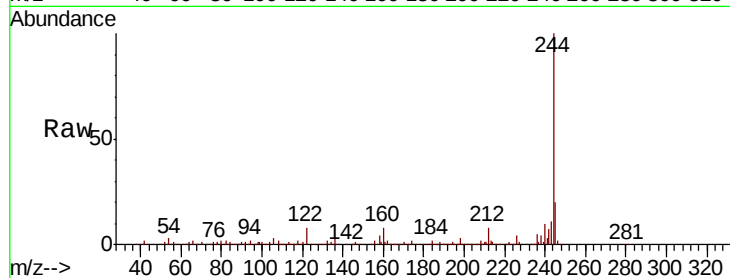
Tgt Ion:244 Resp: 746238

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

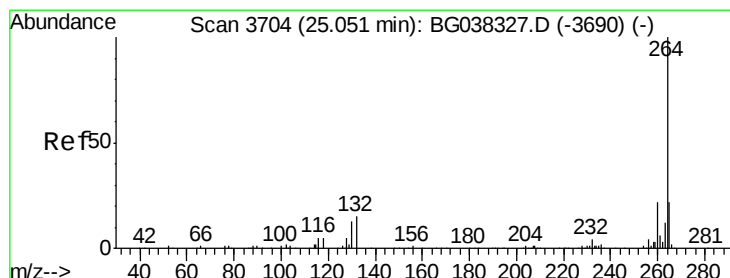
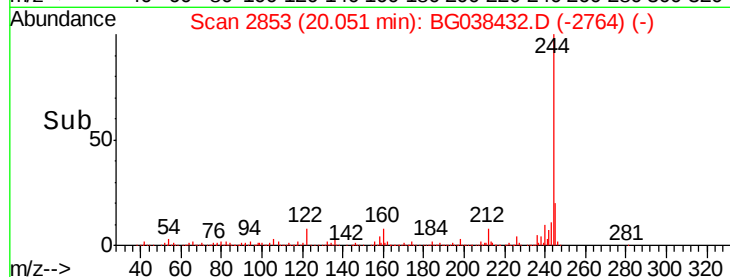
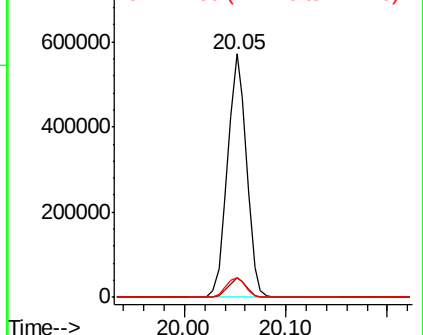
122 8.3 9.0 13.4#



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: 25.03 min Scan# 3701

Delta R.T. -0.02 min

Lab File: BG038432.D

Acq: 8 Dec 2018 11:14

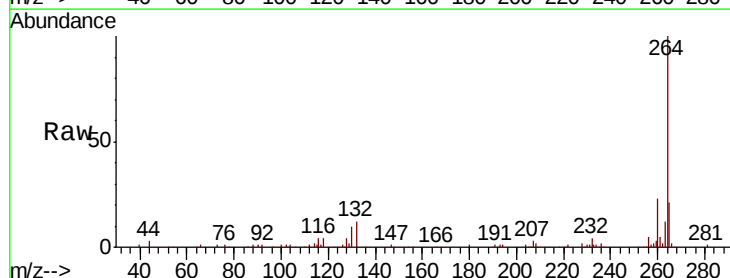
Tgt Ion:264 Resp: 180663

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.4

265 20.6 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

