

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121018\
 Data File : BG038462.D
 Acq On : 11 Dec 2018 8:45
 Operator : JU/SJ
 Sample : J6316-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 11 10:20:46 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

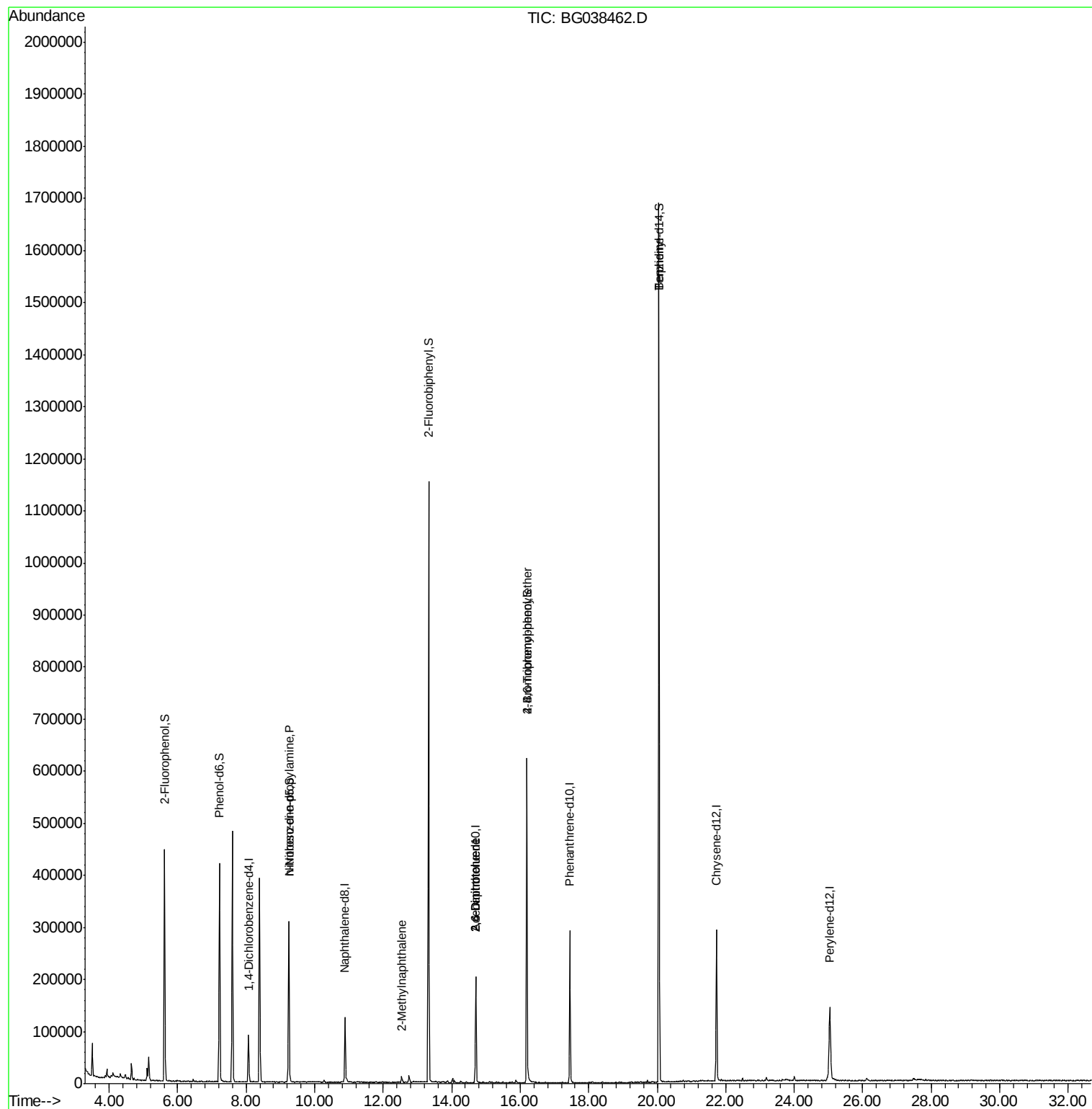
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	26525	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	113505	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	75219	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	194203	20.00	ng	-0.01
76) Chrysene-d12	21.73	240	192565	20.00	ng	-0.01
87) Perylene-d12	25.04	264	195089	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	190371	127.01	ng	0.00
7) Phenol-d6	7.22	99	239956	110.76	ng	0.00
23) Nitrobenzene-d5	9.25	82	188125	82.29	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	125489	135.90	ng	-0.01
45) 2-Fluorobiphenyl	13.33	172	616562	116.80	ng	0.00
79) Terphenyl-d14	20.05	244	830781	92.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	25372	14.692	ng	Qvalue # 80
22) Acetophenone	8.61	105	53	Below Cal		# 48
37) 2-Methylnaphthalene	12.54	142	8128	2.105	ng	# 98
51) 2,6-Dinitrotoluene	14.71	165	9792	7.105	ng	# 23
57) 2,4-Dinitrotoluene	14.71	165	9792	5.151	ng	# 23
67) 4-Bromophenyl-phenylether	16.19	248	8373	3.992	ng	# 1
77) Benzidine	20.05	184	14776	2.274	ng	# 93

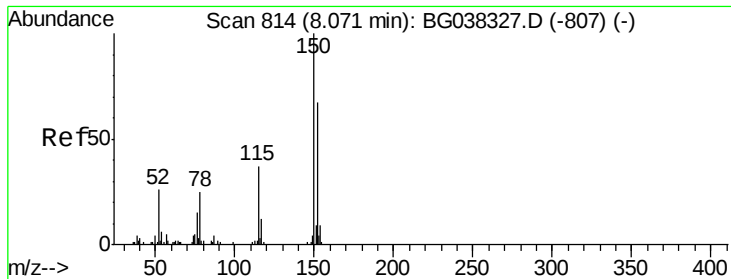
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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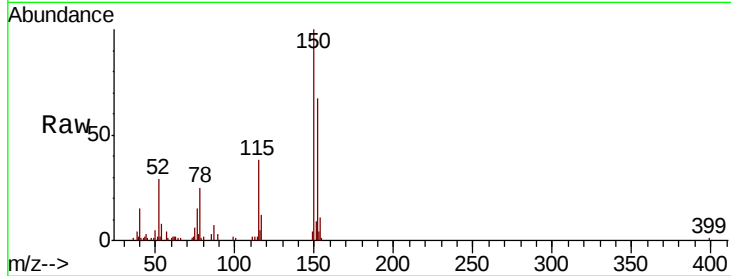


#1

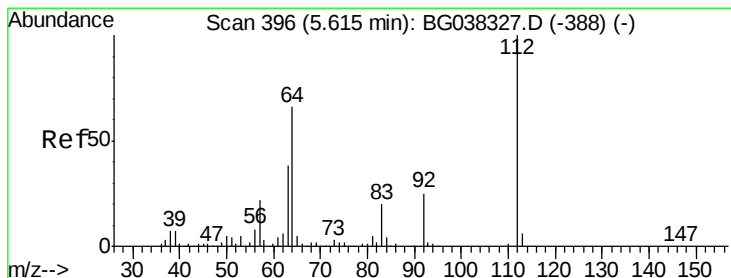
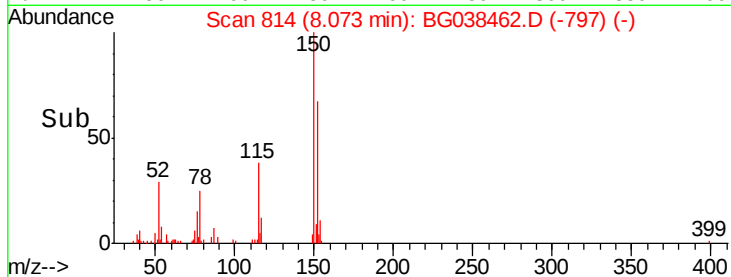
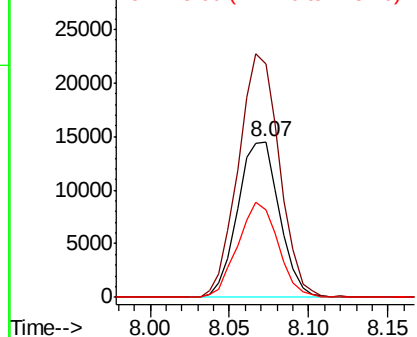
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. 0.00 min
Lab File: BG038462.D
Acq: 11 Dec 2018 8:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 26525
Ion Ratio Lower Upper
152 100
150 149.7 126.0 189.0
115 56.2 45.5 68.3



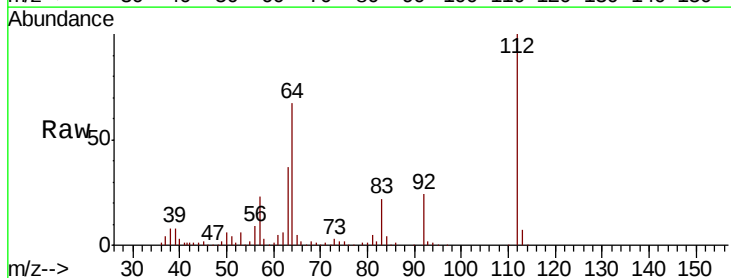
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



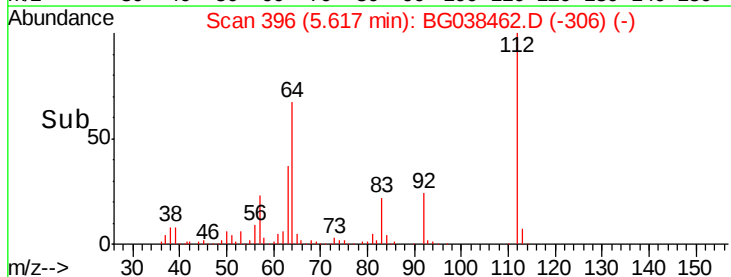
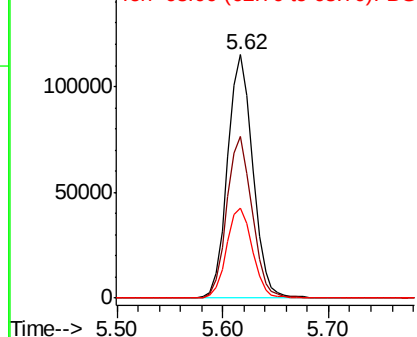
#5

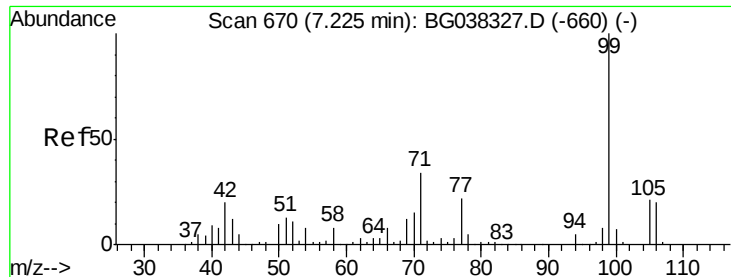
2-Fluorophenol
Concen: 127.008 ng
RT: 5.62 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG038462.D
Acq: 11 Dec 2018 8:45

Tgt Ion:112 Resp: 190371
Ion Ratio Lower Upper
112 100
64 66.6 53.1 79.7
63 37.1 27.3 40.9



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: 110.763 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG038462.D

Acq: 11 Dec 2018 8:45

Instrument :

BNA_G

ClientSampleId :

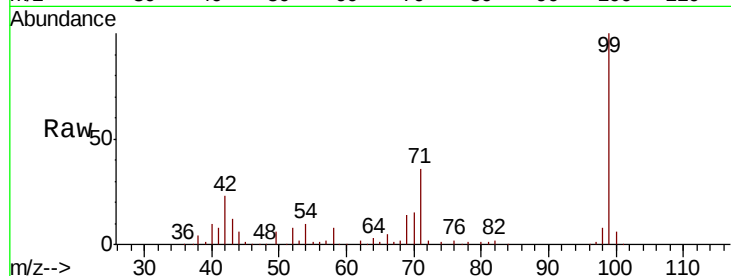
Tot Ion: 99 Resp: 239956

Ion Ratio Lower Upper

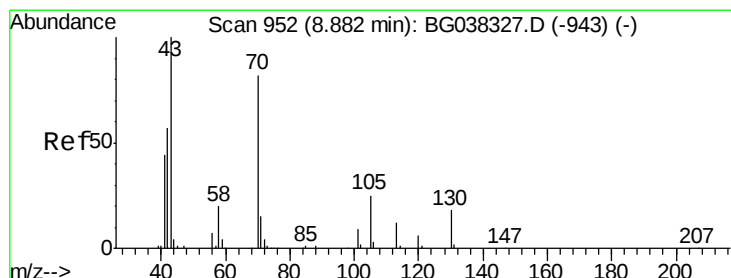
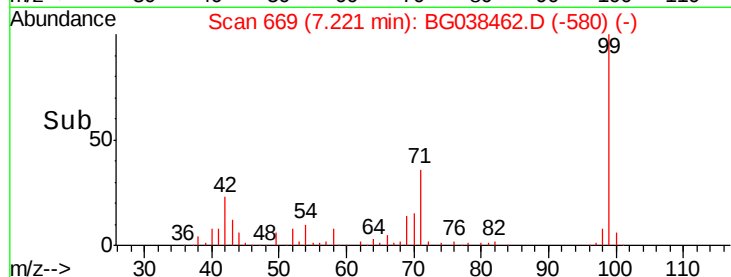
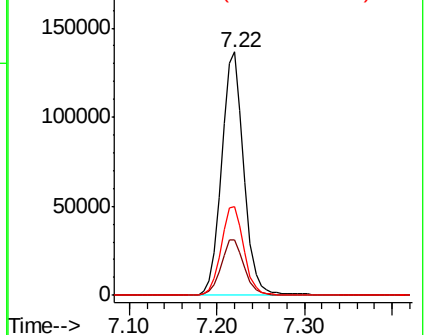
99 100

42 22.9 15.0 22.4#

71 36.5 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: 14.692 ng

RT: 9.24 min Scan# 1013

Delta R.T. 0.36 min

Lab File: BG038462.D

Acq: 11 Dec 2018 8:45

Tgt Ion: 70 Resp: 25372

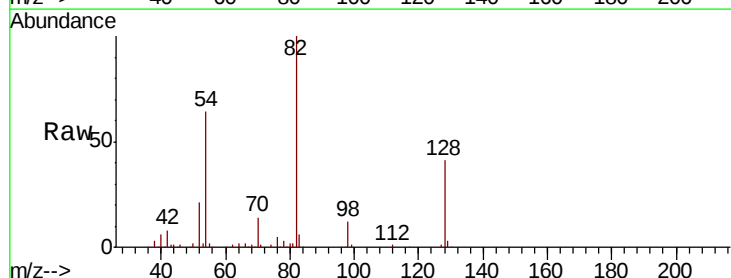
Ion Ratio Lower Upper

70 100

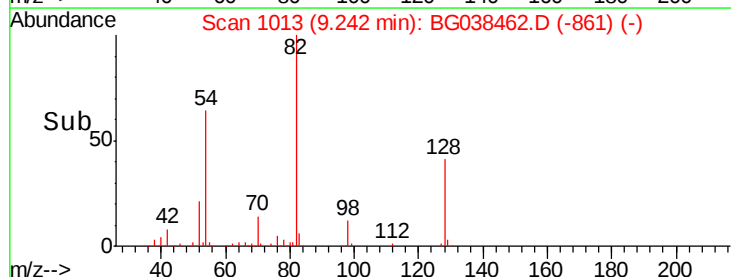
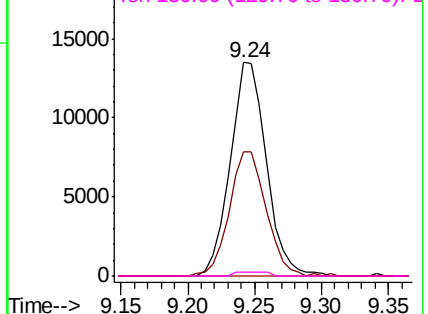
42 58.2 53.9 80.9

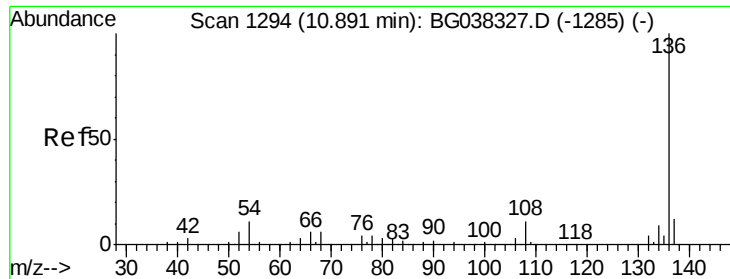
101 0.0 8.2 12.2#

130 1.7 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

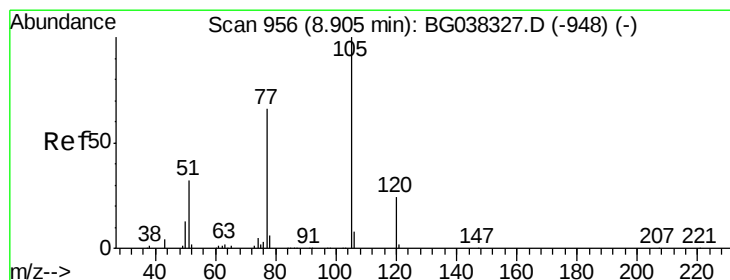
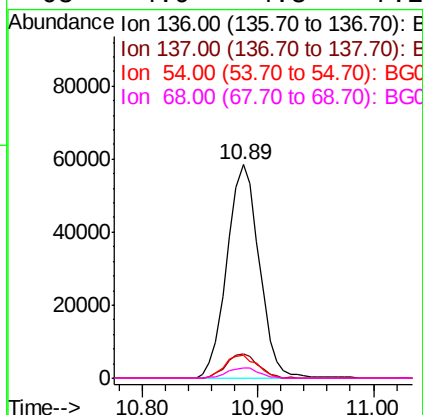
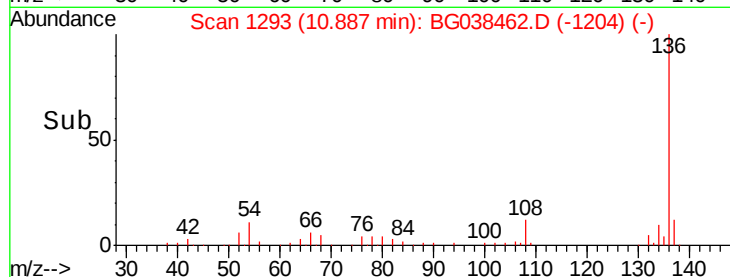
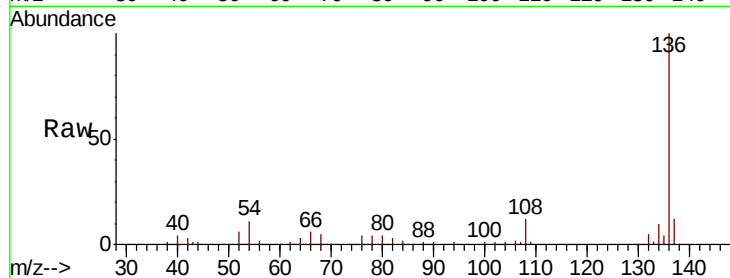




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BG038462.D
Acq: 11 Dec 2018 8:45

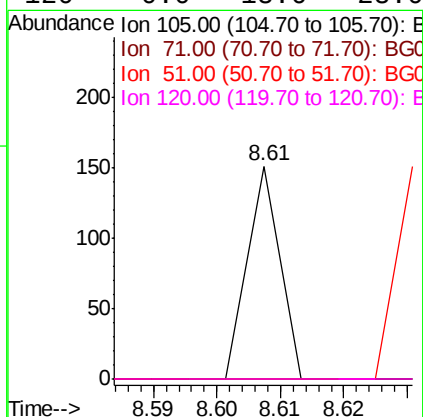
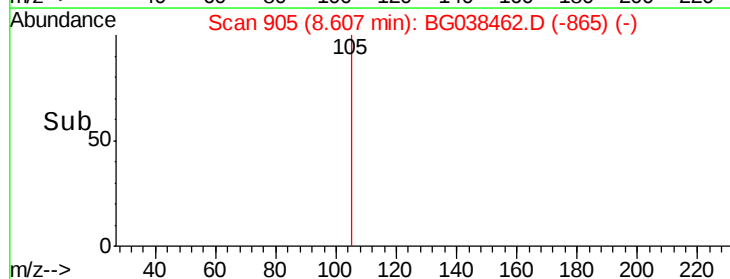
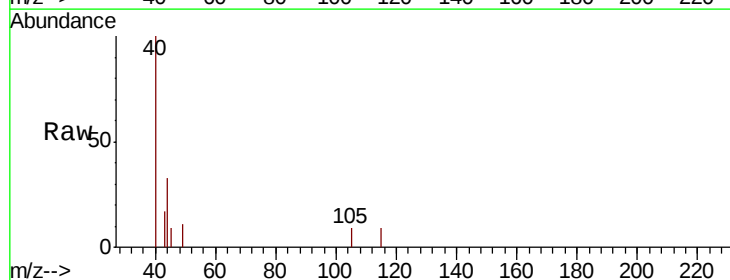
Instrument :
BNA_G
ClientSampleId :

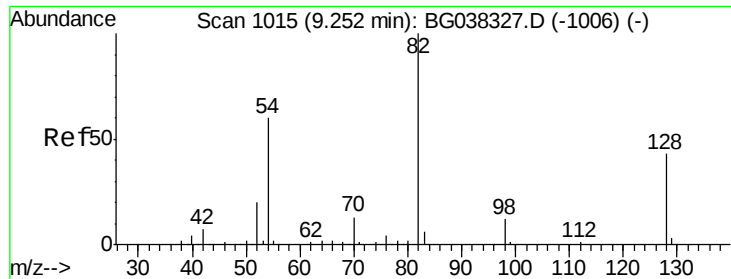
Tot Ion:136	Resp:	113505
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.6 14.4
54	10.7	7.9 11.9
68	4.9	4.8 7.2



#22
Acetophenone
Concen: Below Cal
RT: 8.61 min Scan# 905
Delta R.T. -0.30 min
Lab File: BG038462.D
Acq: 11 Dec 2018 8:45

Tgt Ion:105	Resp:	53
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#

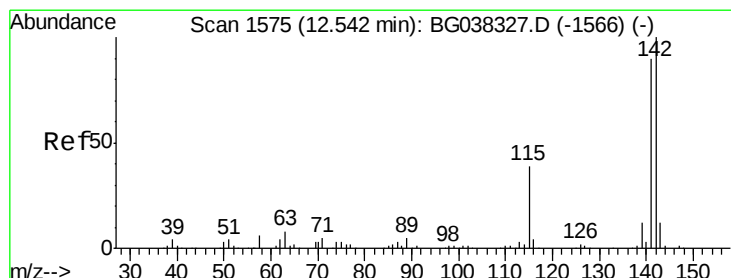
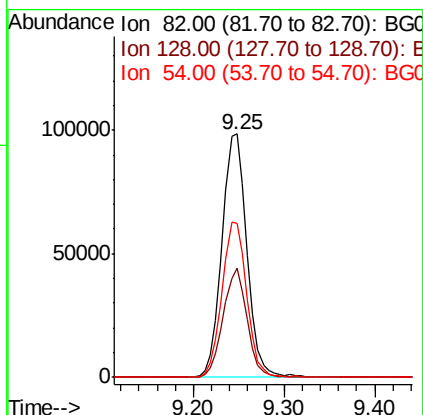
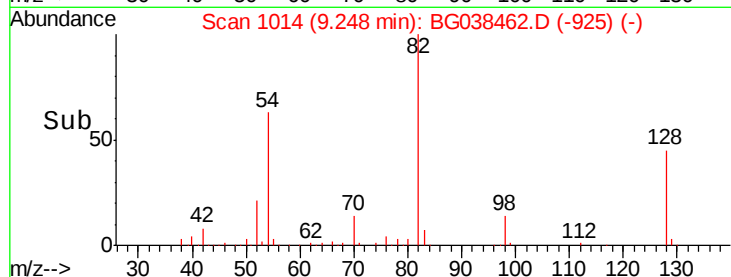
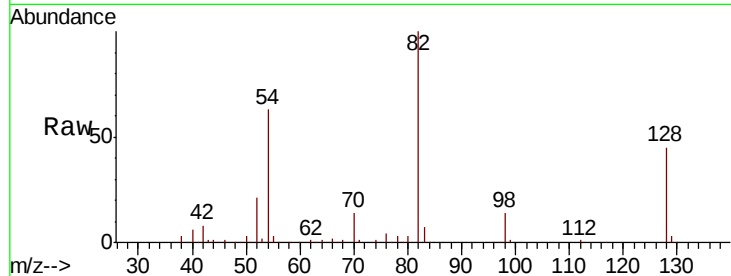




#23
 Nitrobenzene-d5
 Concen: 82.287 ng
 RT: 9.25 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: BG038462.D
 Acq: 11 Dec 2018 8:45

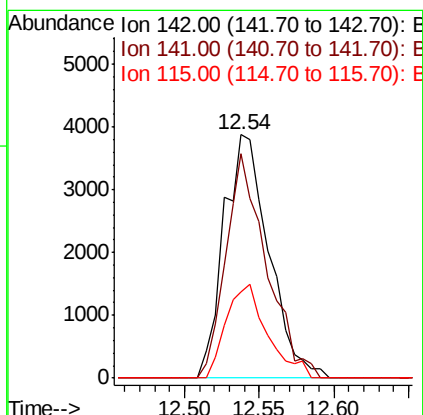
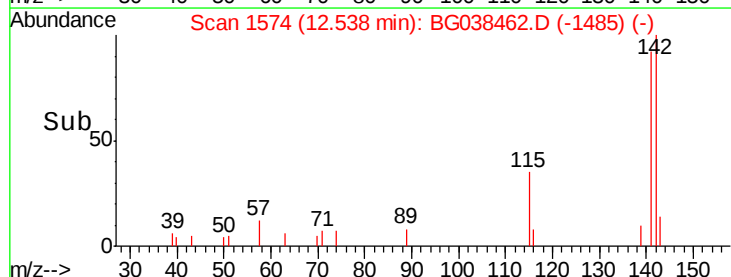
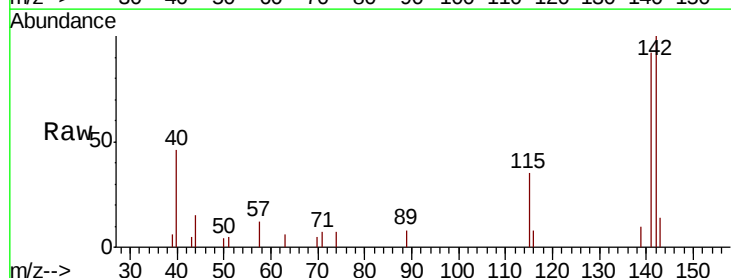
Instrument :
 BNA_G
 ClientSampled :

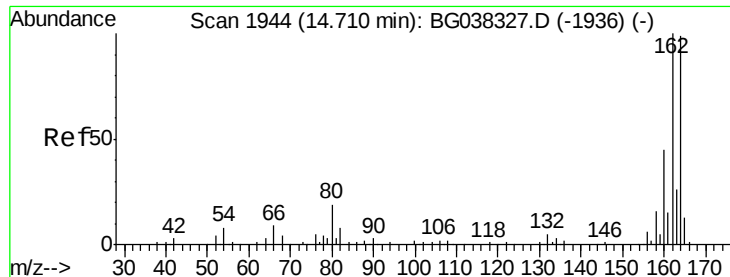
Tot Ion	82	Resp	188125
Ion Ratio	100	Lower	Upper
128	45.0	34.6	51.8
54	63.2	45.3	67.9



#37
 2-Methylnaphthalene
 Concen: 2.105 ng
 RT: 12.54 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: BG038462.D
 Acq: 11 Dec 2018 8:45

Tgt Ion	142	Resp	8128
Ion Ratio	100	Lower	Upper
141	92.4	71.9	107.9
115	35.3	27.8	41.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1943

Delta R.T. -0.00 min

Lab File: BG038462.D

Acq: 11 Dec 2018 8:45

Instrument :

BNA_G

ClientSampleId :

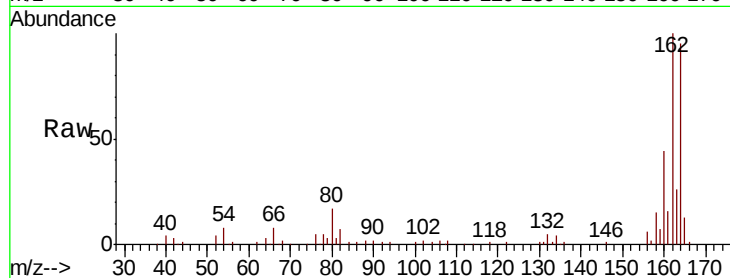
Tot Ion:164 Resp: 75219

Ion Ratio Lower Upper

164 100

162 104.9 81.3 121.9

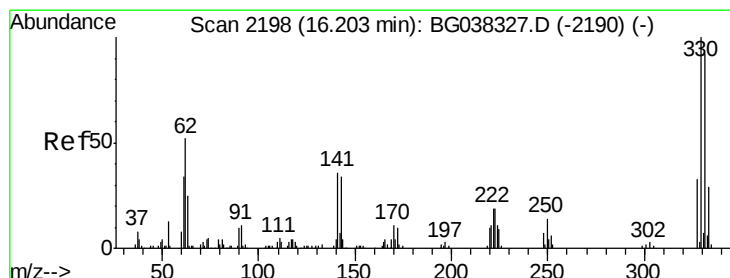
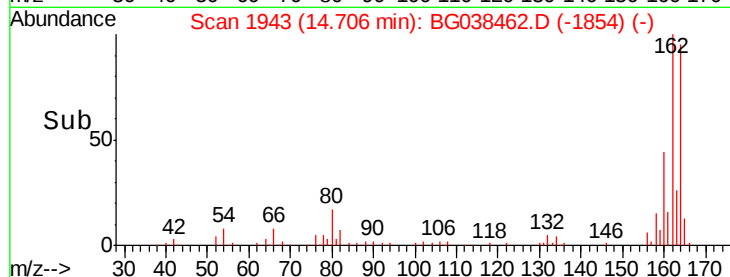
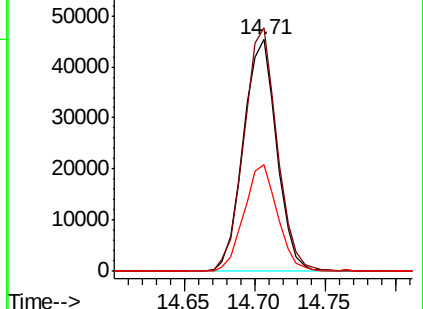
160 46.1 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 135.898 ng

RT: 16.19 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BG038462.D

Acq: 11 Dec 2018 8:45

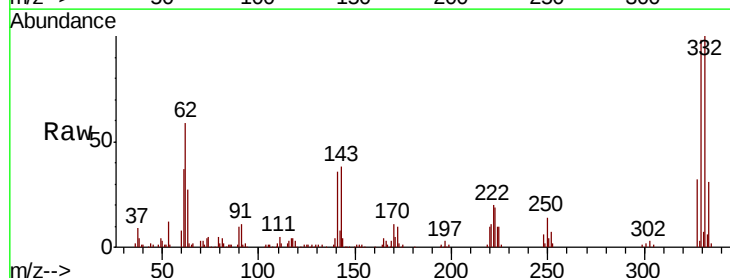
Tgt Ion:330 Resp: 125489

Ion Ratio Lower Upper

330 100

332 96.2 78.4 117.6

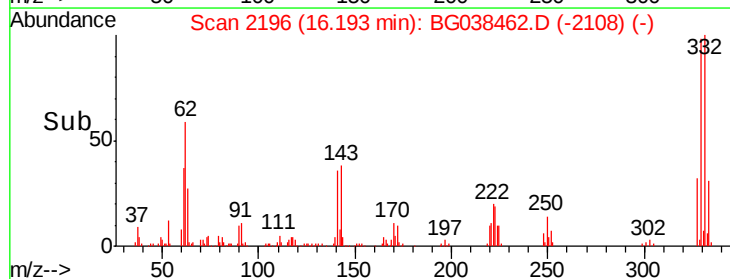
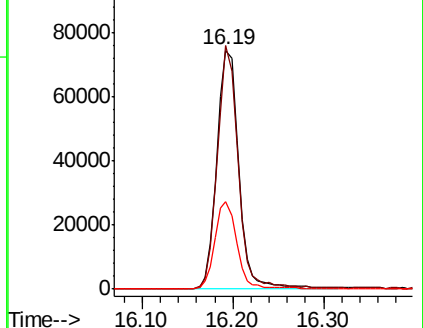
141 37.1 32.2 48.2

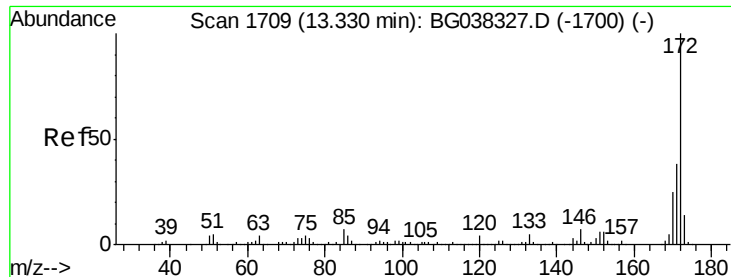


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

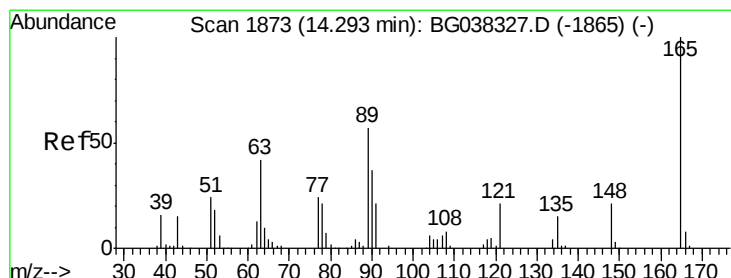
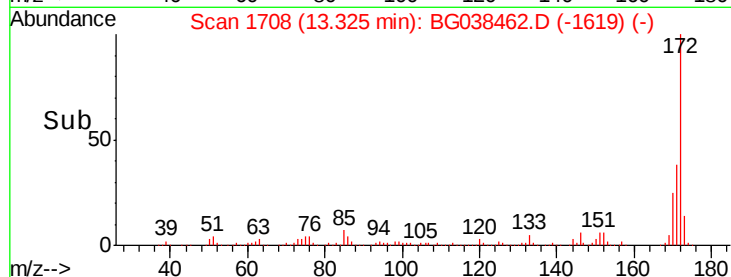
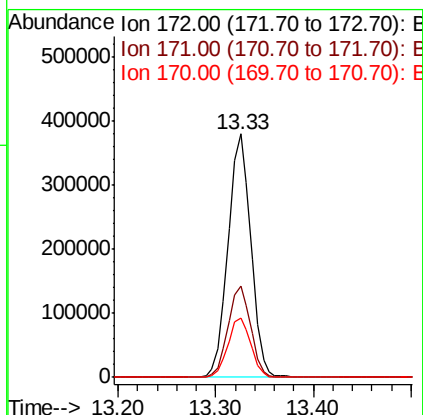
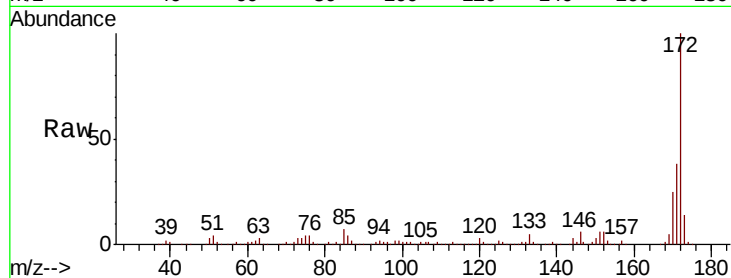




#45
 2-Fluorobiphenyl
 Concen: 116.799 ng
 RT: 13.33 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG038462.D
 Acq: 11 Dec 2018 8:45

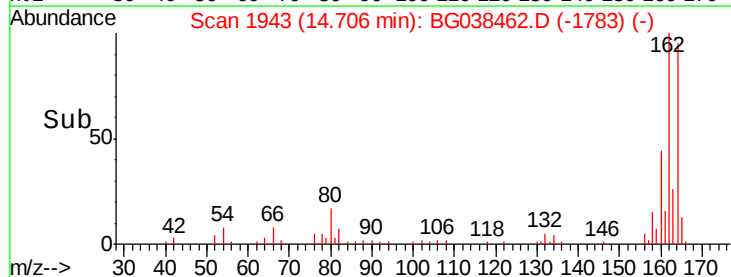
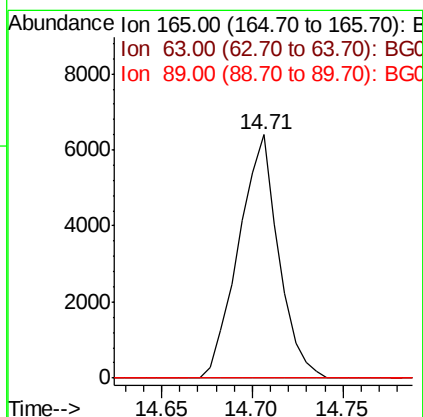
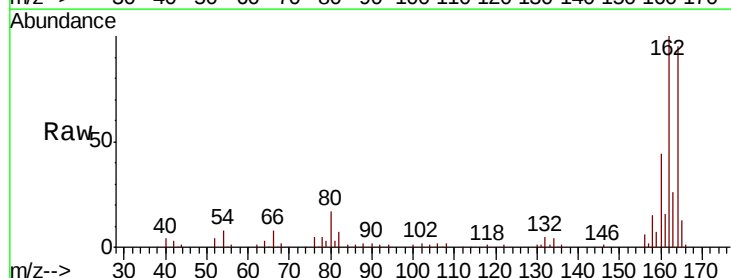
Instrument :
 BNA_G
 ClientSampleId :

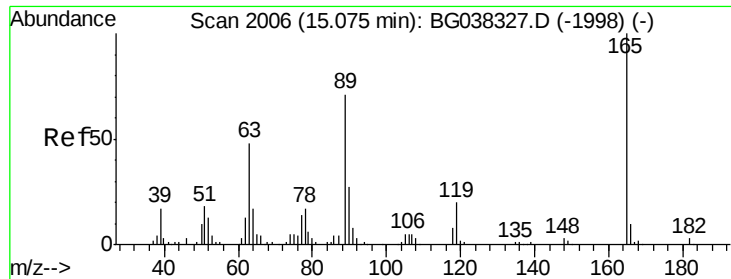
Tot Ion:172 Resp: 616562
 Ion Ratio Lower Upper
 172 100
 171 37.6 31.0 46.4
 170 24.6 20.2 30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.105 ng
 RT: 14.71 min Scan# 1943
 Delta R.T. 0.41 min
 Lab File: BG038462.D
 Acq: 11 Dec 2018 8:45

Tgt Ion:165 Resp: 9792
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.4 65.2#
 89 0.0 45.8 68.6#

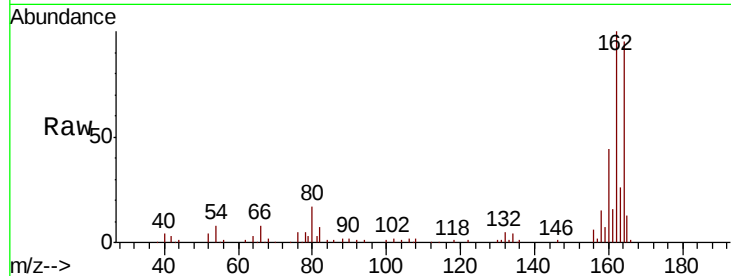




#57
 2,4-Dinitrotoluene
 Concen: 5.151 ng
 RT: 14.71 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG038462.D
 Acq: 11 Dec 2018 8:45

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#

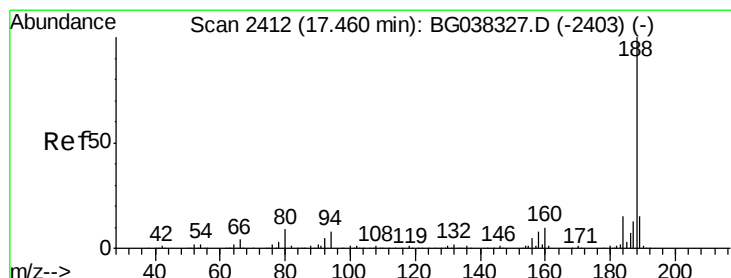
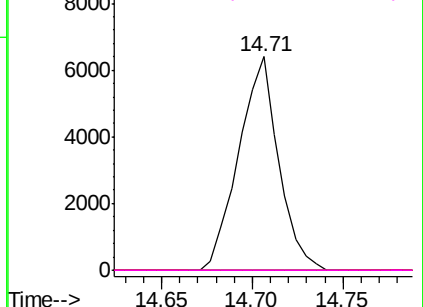
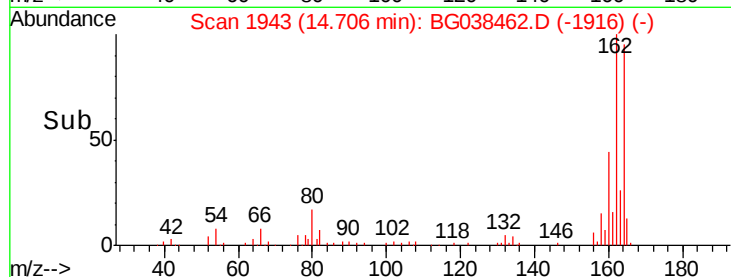


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

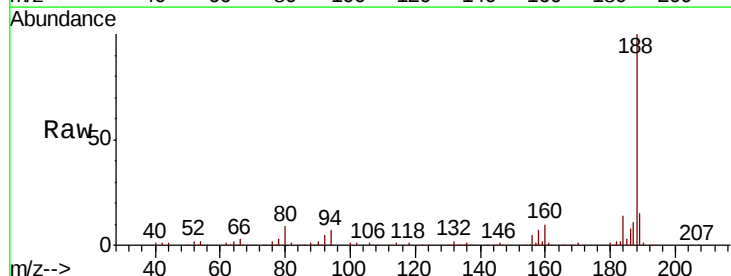
Ion 89.00 (88.70 to 89.70): BGC

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: BG038462.D
 Acq: 11 Dec 2018 8:45

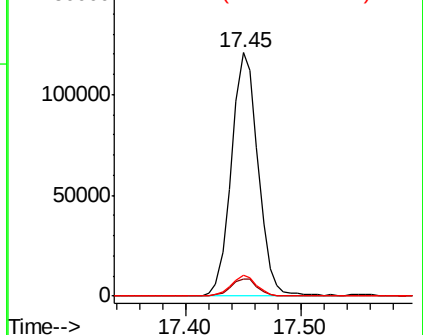
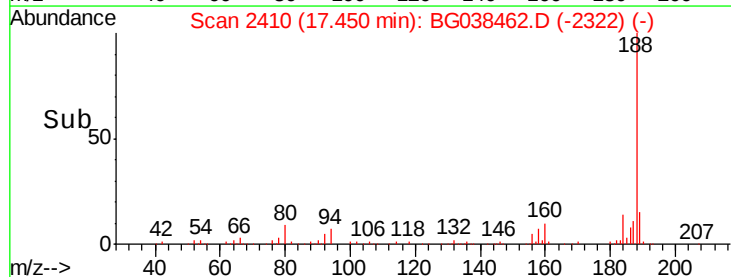
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.9	7.2	10.8#
80	8.6	7.7	11.5

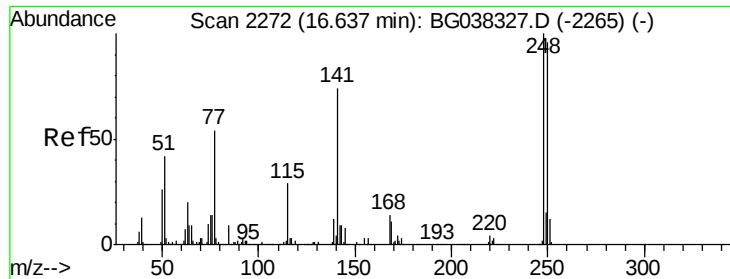


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

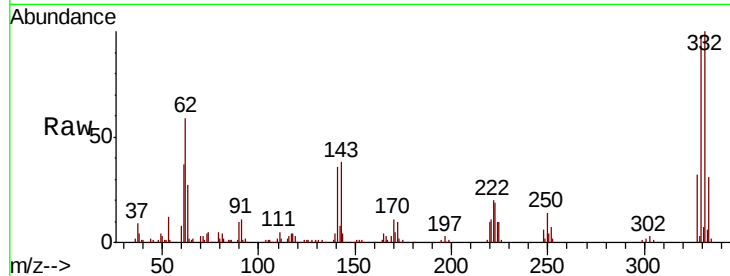




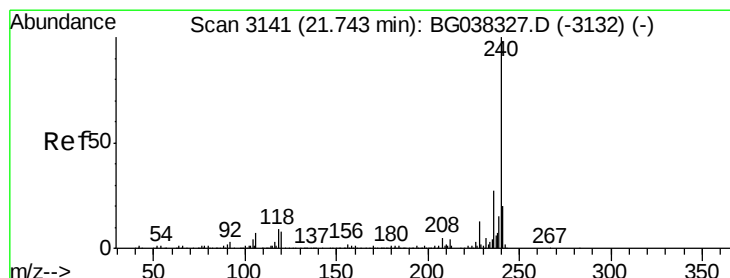
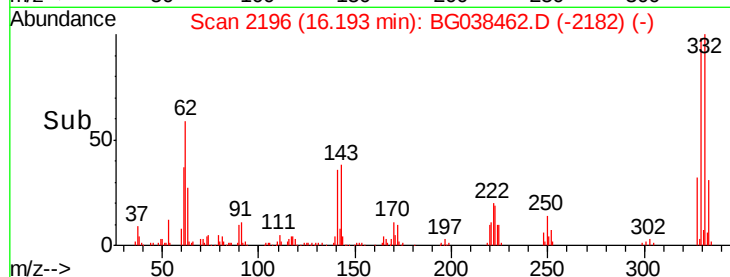
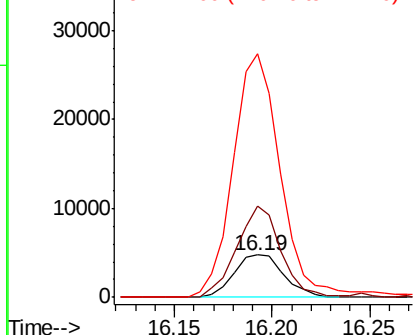
#67
4-Bromophenyl-phenylether
Concen: 3.992 ng
RT: 16.19 min Scan# 2196
Delta R.T. -0.44 min
Lab File: BG038462.D
Acq: 11 Dec 2018 8:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 8373
Ion Ratio Lower Upper
248 100
250 210.9 77.0 115.6#
141 436.5 55.5 83.3#

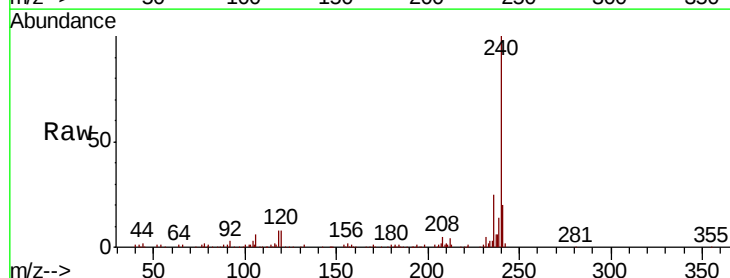


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

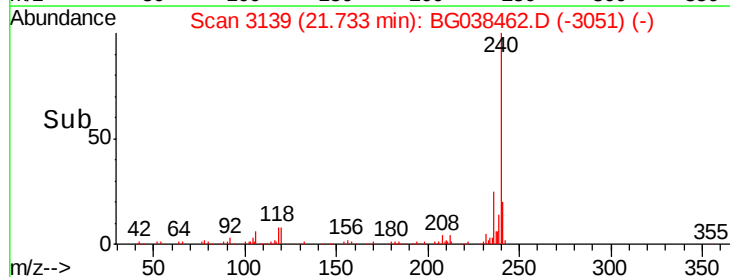
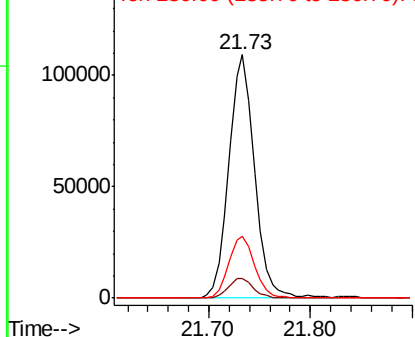


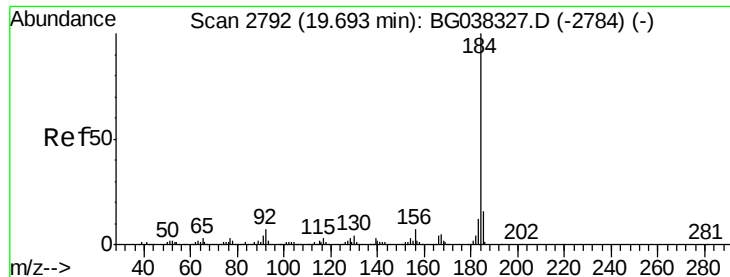
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038462.D
Acq: 11 Dec 2018 8:45

Tgt Ion:240 Resp: 192565
Ion Ratio Lower Upper
240 100
120 8.1 8.1 12.1
236 25.5 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: 2.274 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.36 min

Lab File: BG038462.D

Acq: 11 Dec 2018 8:45

Instrument :

BNA_G

ClientSampleId :

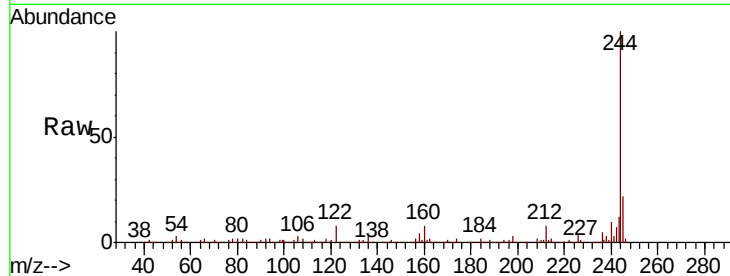
Tot Ion:184 Resp: 14776

Ion Ratio Lower Upper

184 100

185 14.4 12.6 18.8

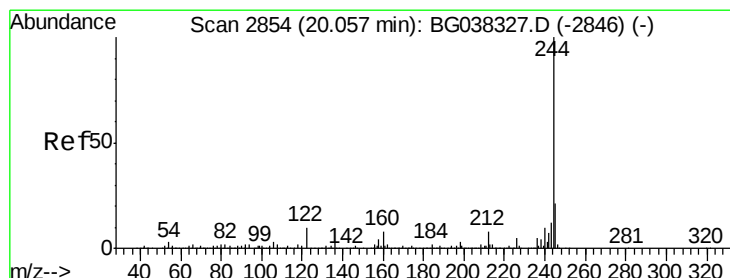
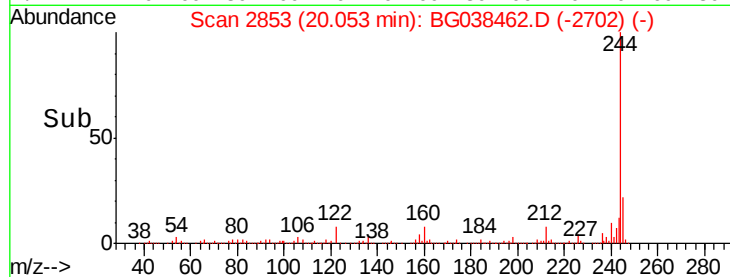
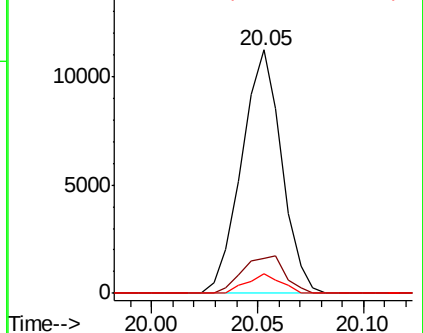
183 8.1 10.2 15.2#



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: 92.423 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG038462.D

Acq: 11 Dec 2018 8:45

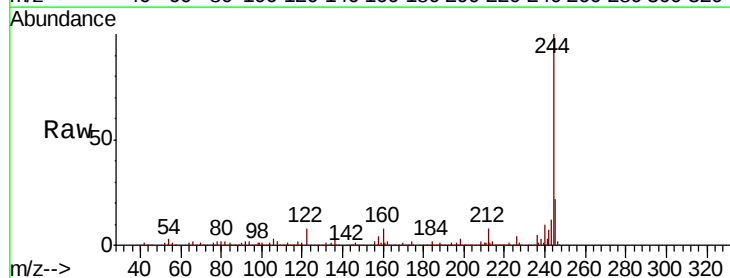
Tgt Ion:244 Resp: 830781

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

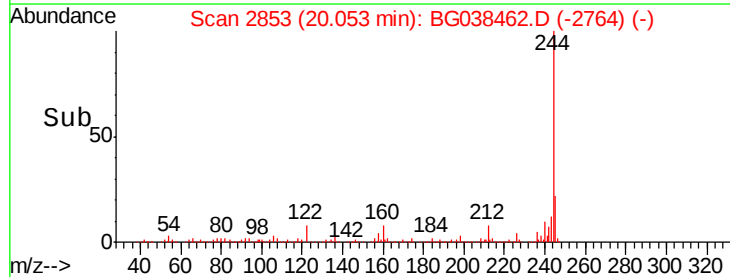
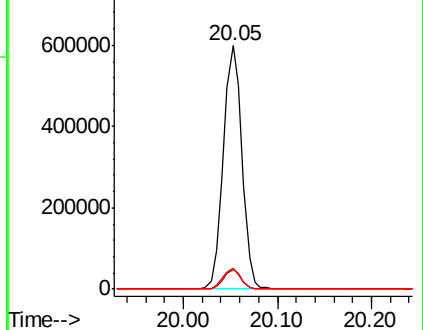
122 8.3 9.0 13.4#

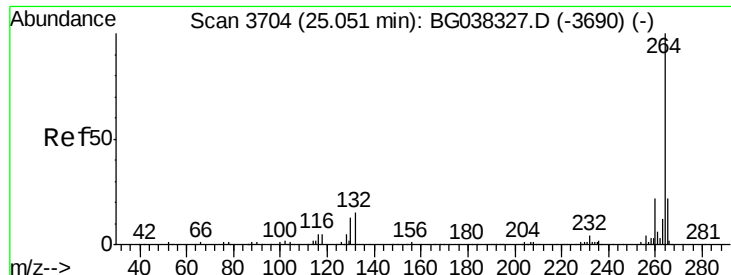


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

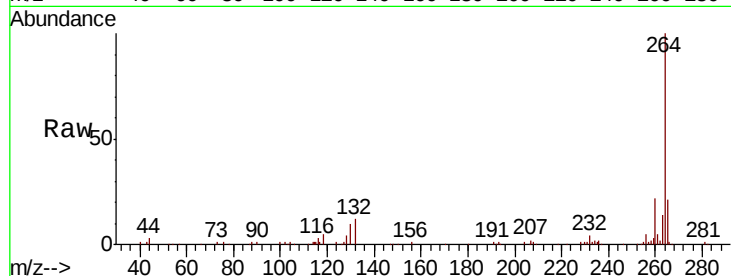




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.04 min Scan# 3702
 Delta R.T. -0.01 min
 Lab File: BG038462.D
 Acq: 11 Dec 2018 8:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	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

