

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121018\
 Data File : BG038442.D
 Acq On : 10 Dec 2018 17:00
 Operator : JU/SJ
 Sample : J6196-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 10 17:59:48 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

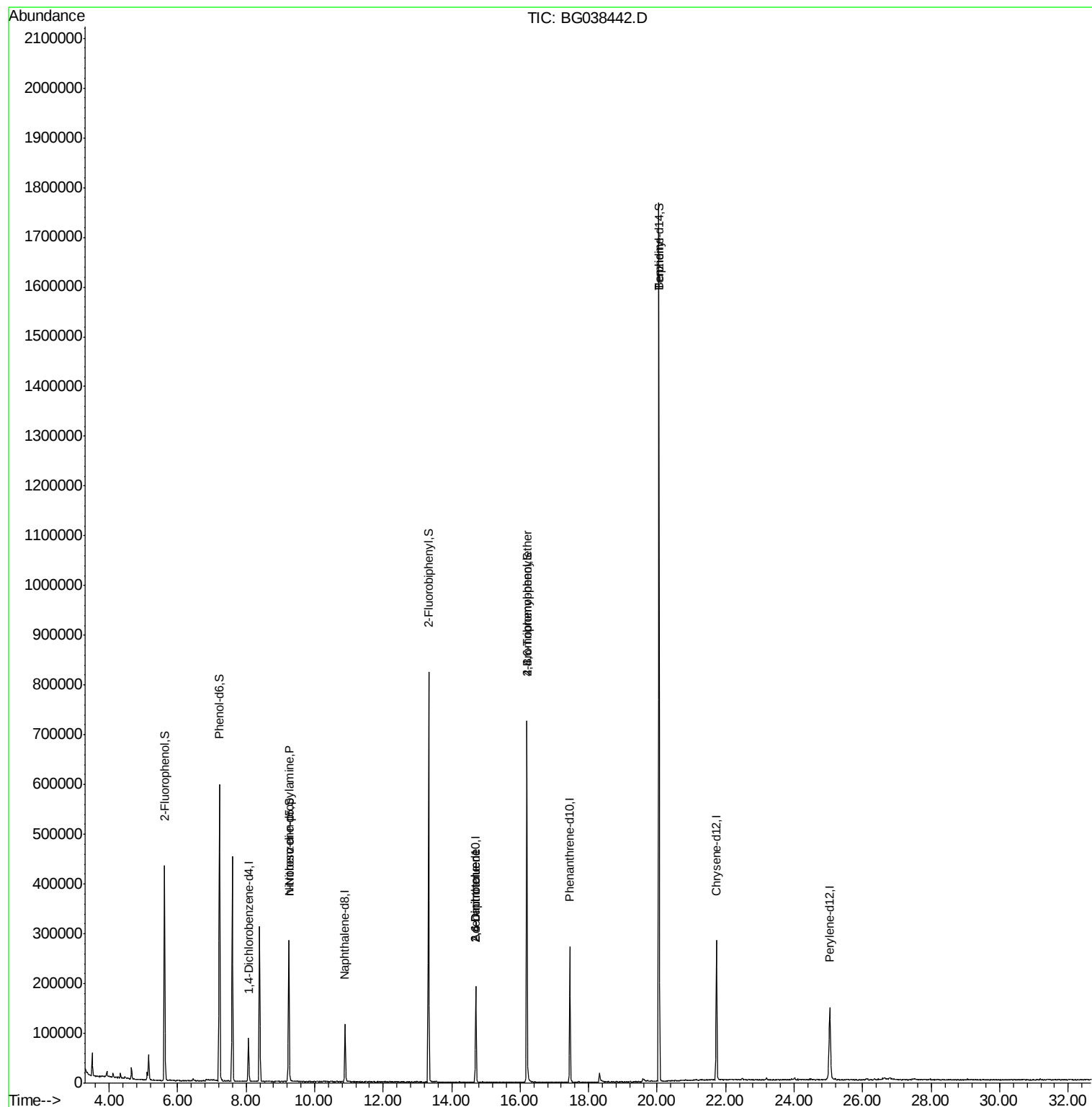
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	24304	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	103324	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	70048	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	181739	20.00	ng	0.00
76) Chrysene-d12	21.73	240	178113	20.00	ng	0.00
87) Perylene-d12	25.04	264	183889	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	187444	136.48	ng	0.00
7) Phenol-d6	7.22	99	367416	185.10	ng	0.00
23) Nitrobenzene-d5	9.25	82	178267	85.66	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	144277	167.78	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	433689	88.22	ng	0.00
79) Terphenyl-d14	20.05	244	858320	103.23	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	24140	15.341	ng	# 79
51) 2,6-Dinitrotoluene	14.70	165	8931	6.959	ng	# 23
57) 2,4-Dinitrotoluene	14.70	165	8931	5.045	ng	# 23
67) 4-Bromophenyl-phenylether	16.19	248	9725	4.955	ng	# 1
77) Benzidine	20.05	184	14830	2.467	ng	# 93

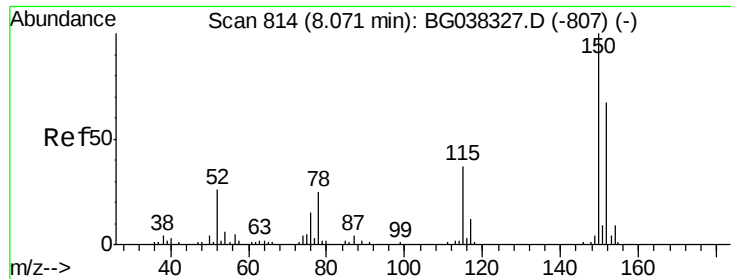
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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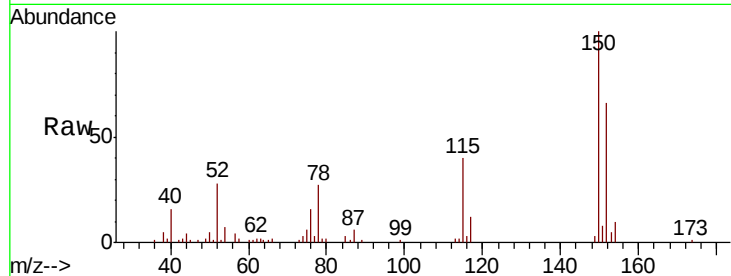


#1

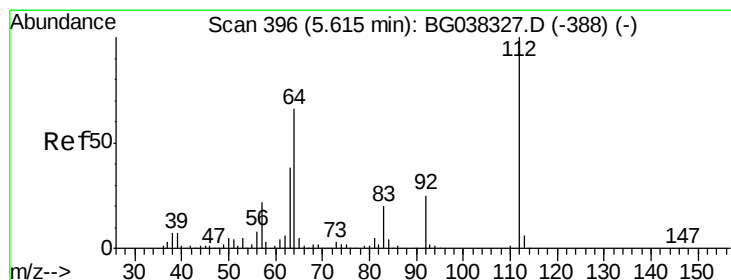
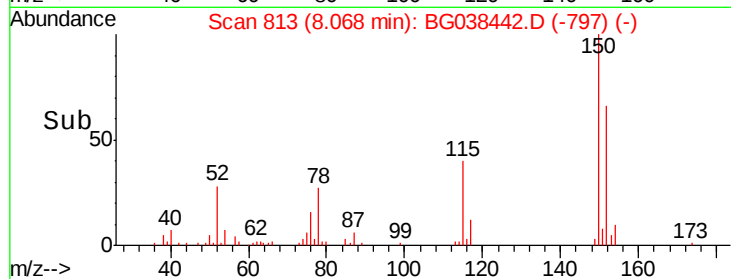
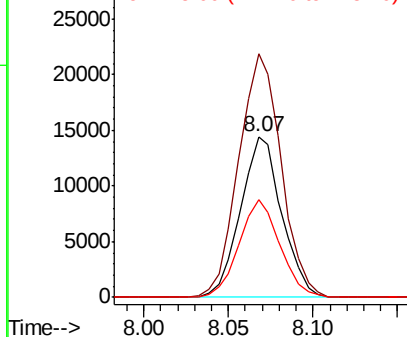
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.00 min
Lab File: BG038442.D
Acq: 10 Dec 2018 17:00

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 24304
Ion Ratio Lower Upper
152 100
150 151.8 126.0 189.0
115 60.6 45.5 68.3



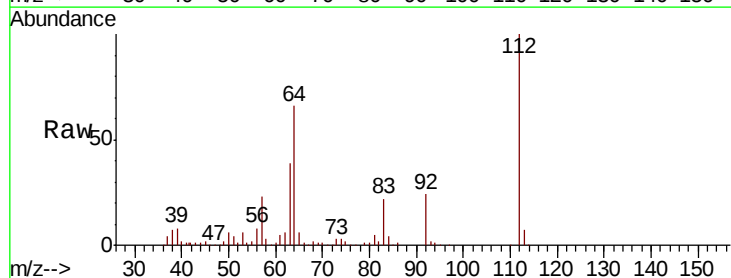
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



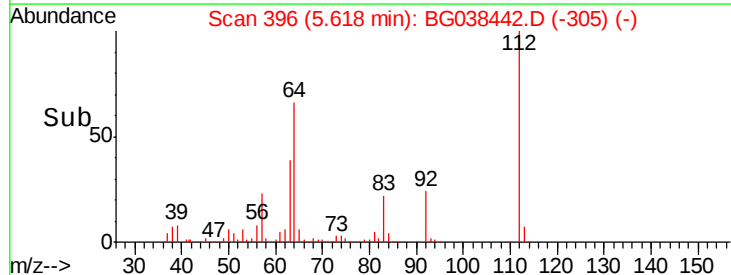
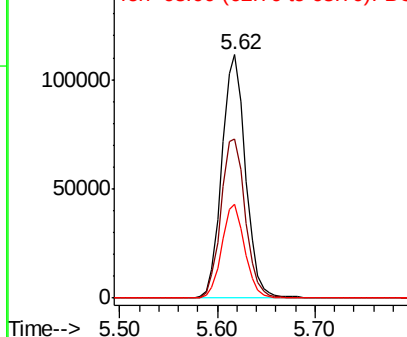
#5

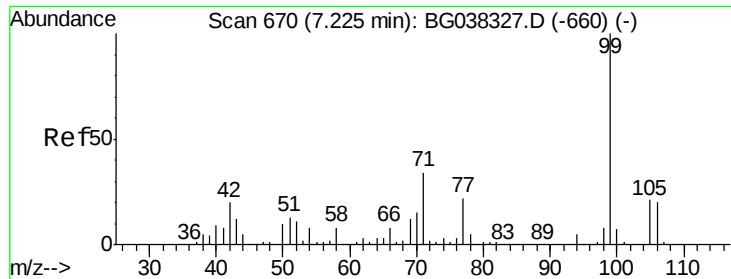
2-Fluorophenol
Concen: 136.483 ng
RT: 5.62 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG038442.D
Acq: 10 Dec 2018 17:00

Tgt Ion:112 Resp: 187444
Ion Ratio Lower Upper
112 100
64 65.6 53.1 79.7
63 38.5 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: 185.096 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG038442.D

Acq: 10 Dec 2018 17:00

Instrument :

BNA_G

ClientSampled :

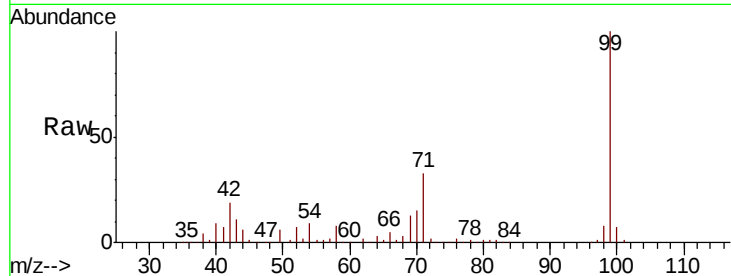
Tot Ion: 99 Resp: 367416

Ion Ratio Lower Upper

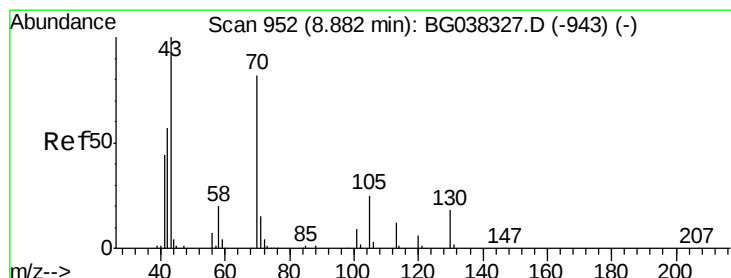
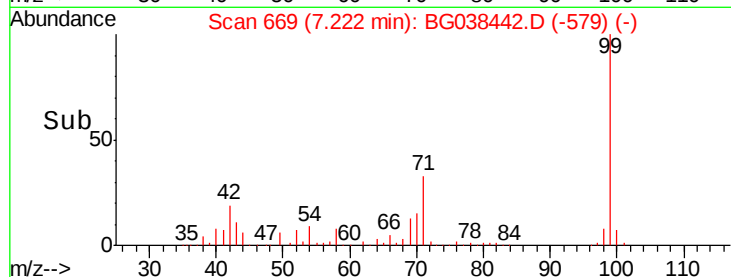
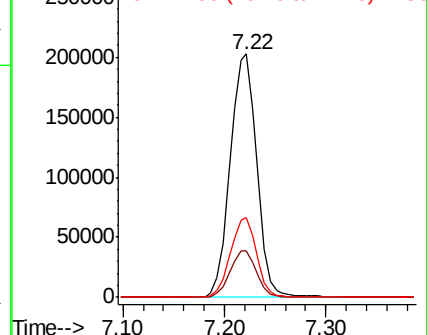
99 100

42 19.2 15.0 22.4

71 32.5 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: 15.341 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.37 min

Lab File: BG038442.D

Acq: 10 Dec 2018 17:00

Tgt Ion: 70 Resp: 24140

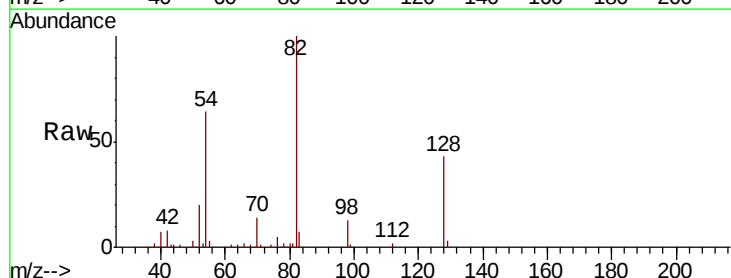
Ion Ratio Lower Upper

70 100

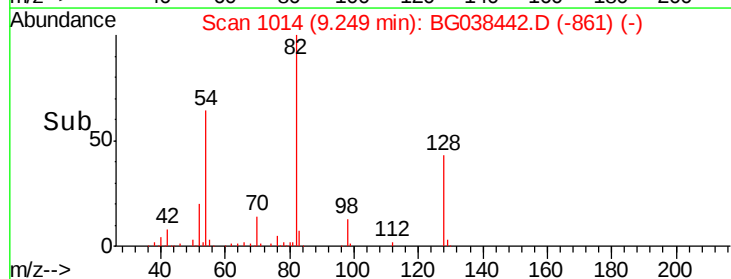
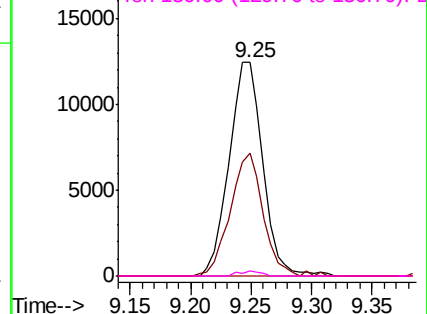
42 57.7 53.9 80.9

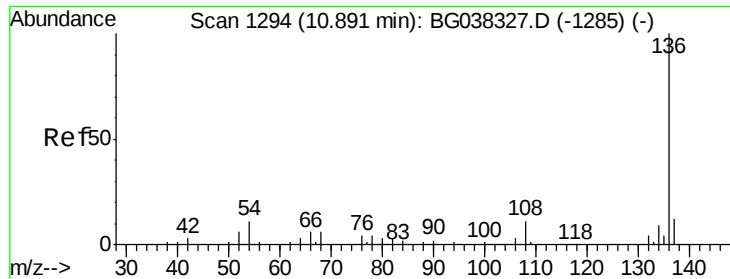
101 0.0 8.2 12.2#

130 2.3 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

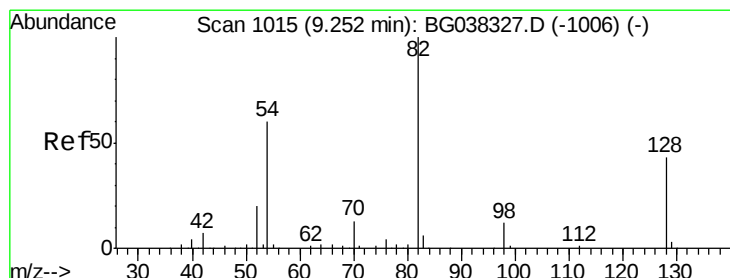
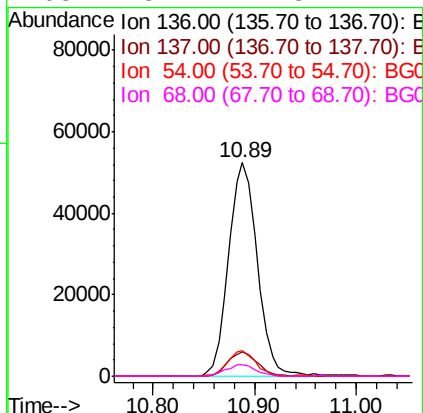
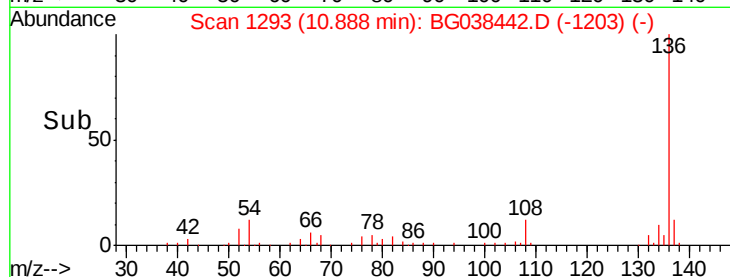
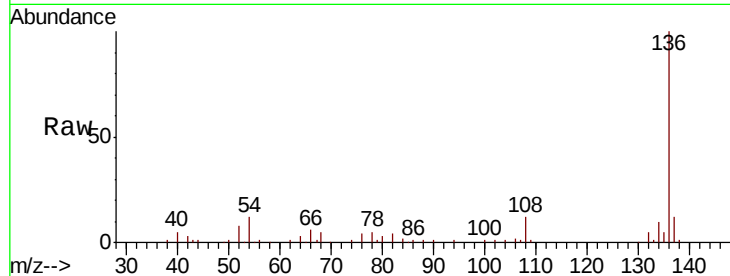




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BG038442.D
Acq: 10 Dec 2018 17:00

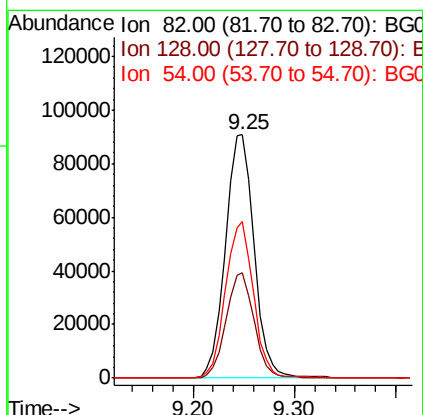
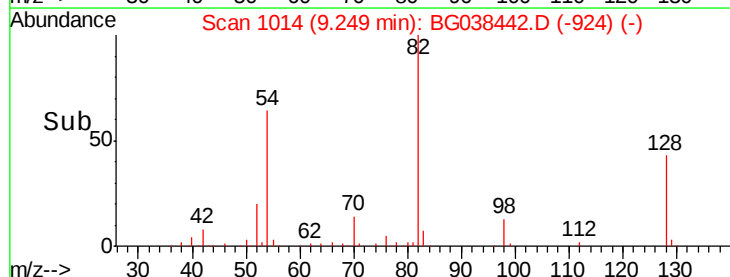
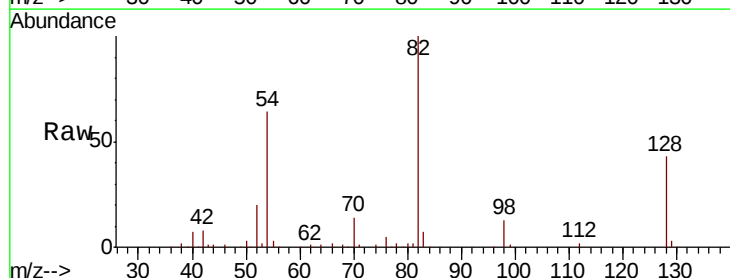
Instrument :
BNA_G
ClientSampleId :

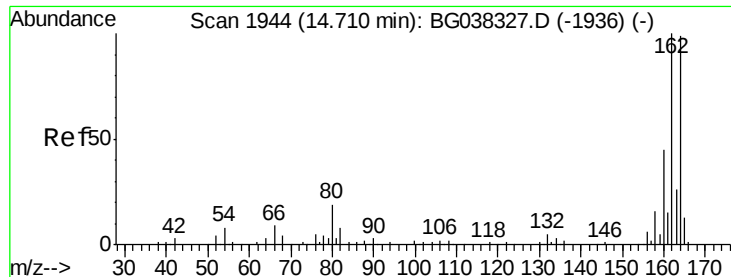
Tot Ion:136	Resp:	103324
Ion Ratio	Lower	Upper
136	100	
137	11.7	9.6 14.4
54	12.0	7.9 11.9#
68	5.4	4.8 7.2



#23
Nitrobenzene-d5
Concen: 85.658 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BG038442.D
Acq: 10 Dec 2018 17:00

Tgt Ion: 82	Resp:	178267
Ion Ratio	Lower	Upper
82	100	
128	43.2	34.6 51.8
54	64.3	45.3 67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1943

Delta R.T. -0.00 min

Lab File: BG038442.D

Acq: 10 Dec 2018 17:00

Instrument :

BNA_G

ClientSampleId :

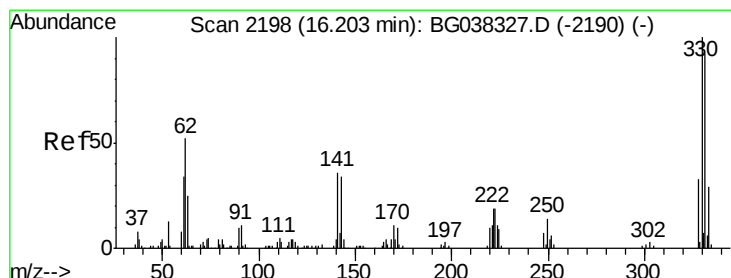
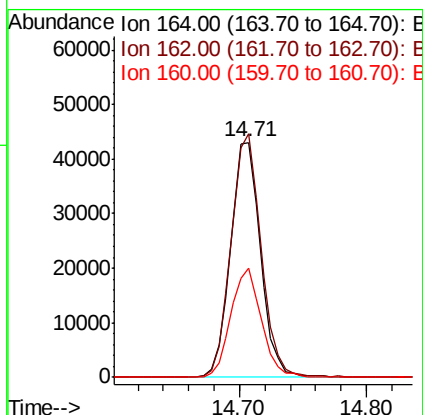
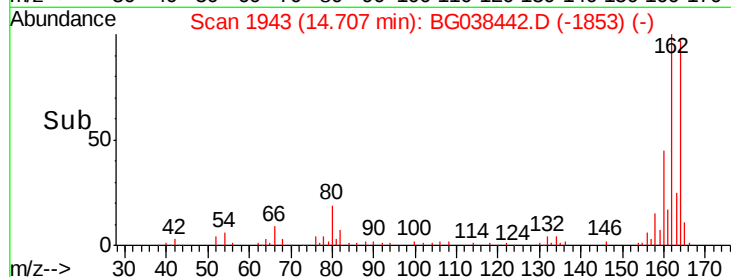
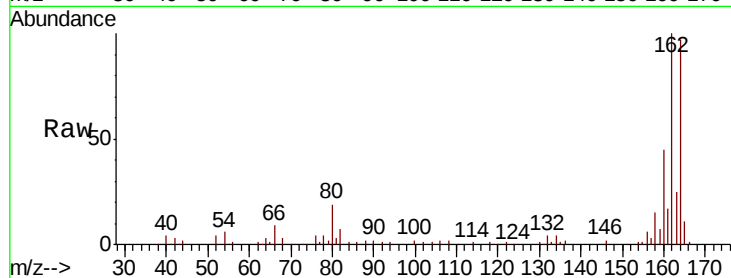
Tot Ion:164 Resp: 70048

Ion Ratio Lower Upper

164 100

162 103.5 81.3 121.9

160 46.2 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 167.779 ng

RT: 16.19 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BG038442.D

Acq: 10 Dec 2018 17:00

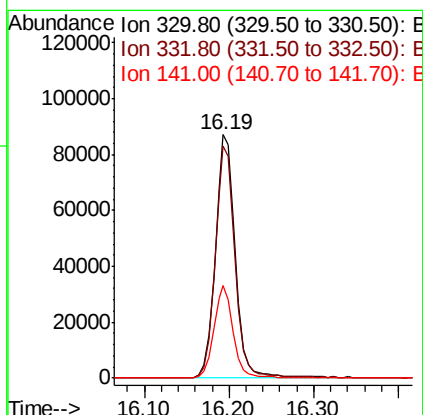
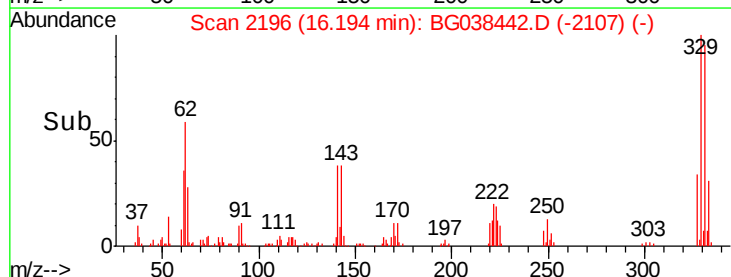
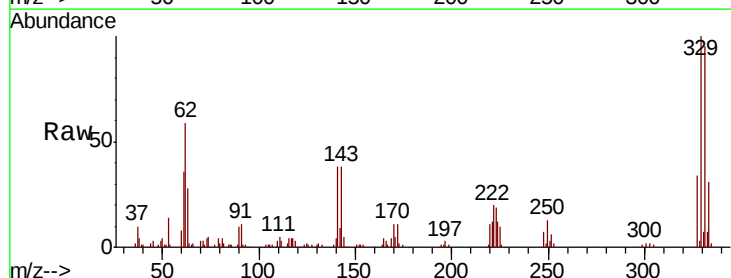
Tgt Ion:330 Resp: 144277

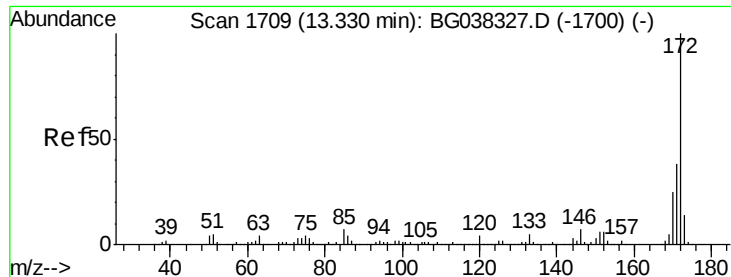
Ion Ratio Lower Upper

330 100

332 94.6 78.4 117.6

141 36.9 32.2 48.2

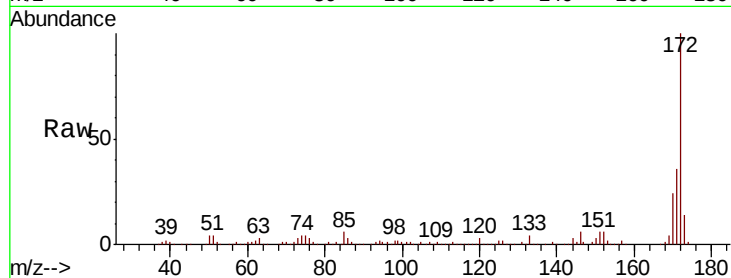




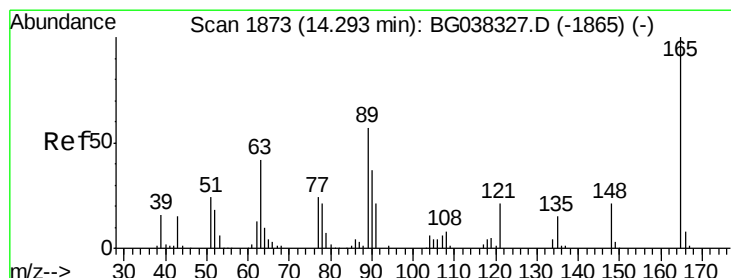
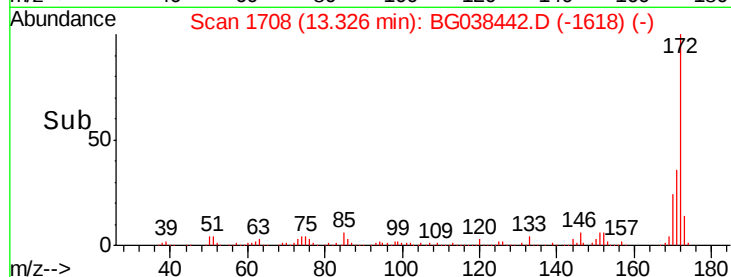
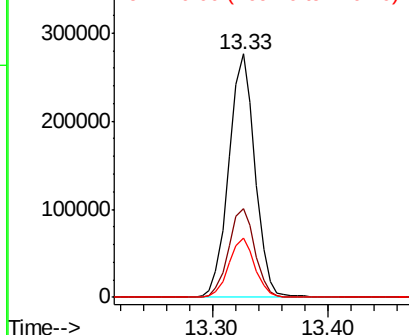
#45
 2-Fluorobiphenyl
 Concen: 88.221 ng
 RT: 13.33 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG038442.D
 Acq: 10 Dec 2018 17:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	31.0	46.4
170	24.1	20.2	30.2

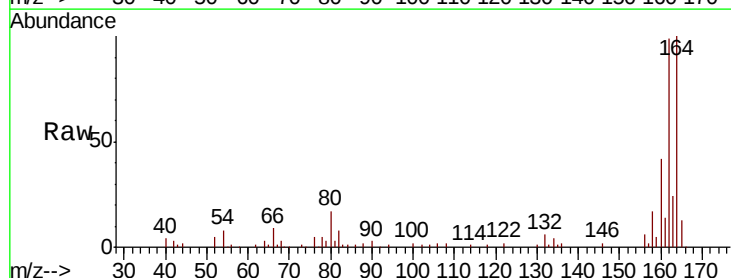


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

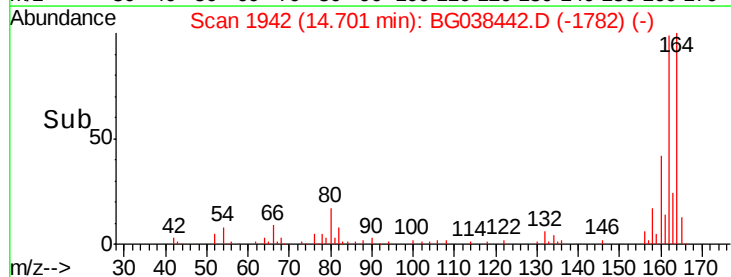
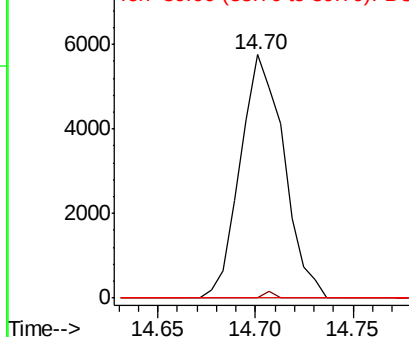


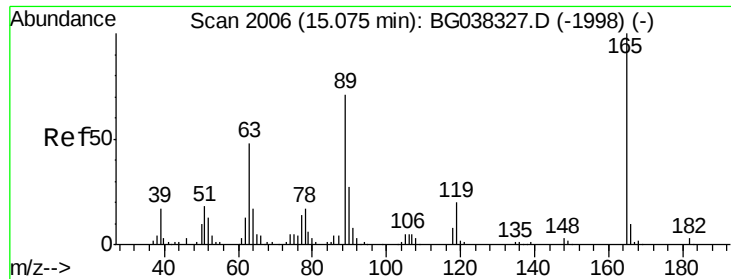
#51
 2,6-Dinitrotoluene
 Concen: 6.959 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. 0.41 min
 Lab File: BG038442.D
 Acq: 10 Dec 2018 17:00

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): BG
 Ion 89.00 (88.70 to 89.70): BG

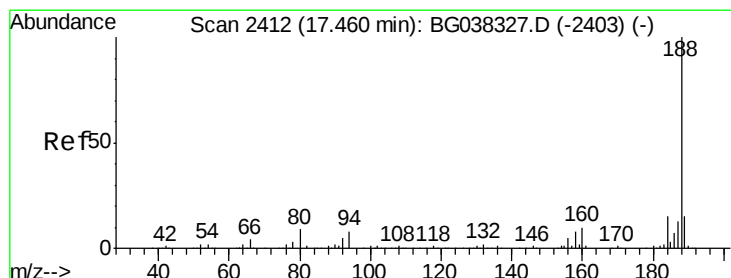
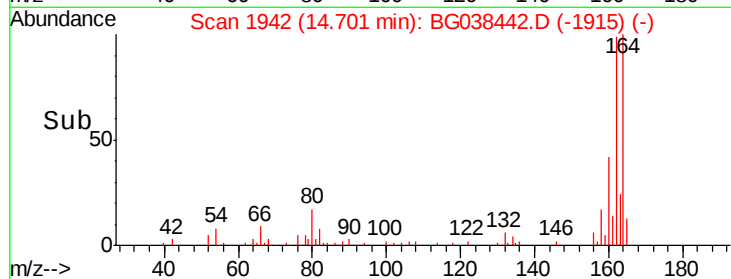
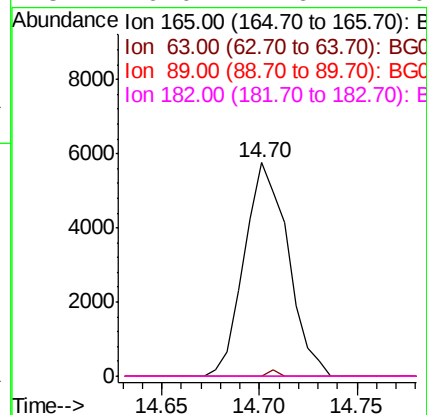
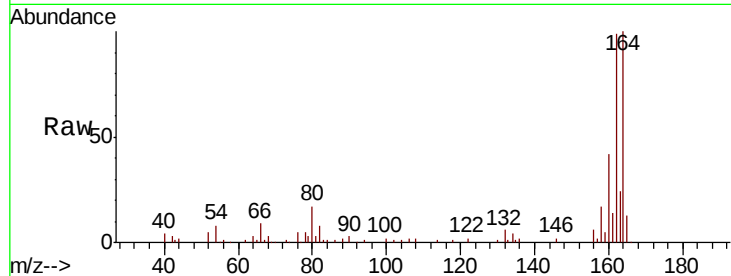




#57
 2,4-Dinitrotoluene
 Concen: 5.045 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. -0.37 min
 Lab File: BG038442.D
 Acq: 10 Dec 2018 17:00

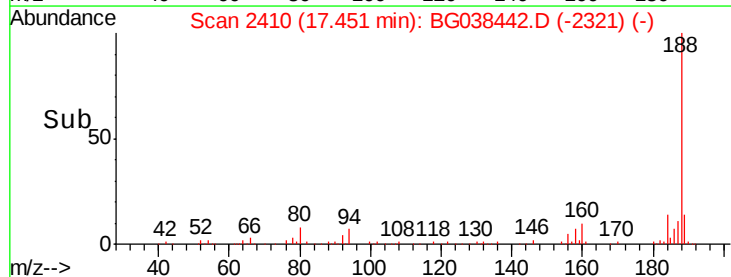
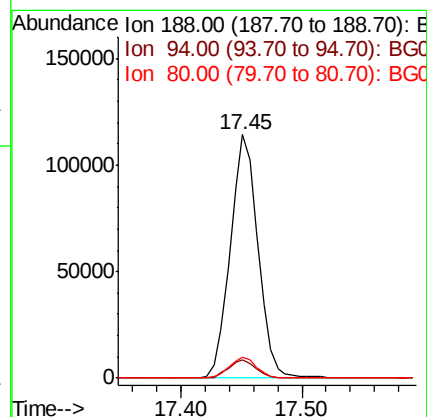
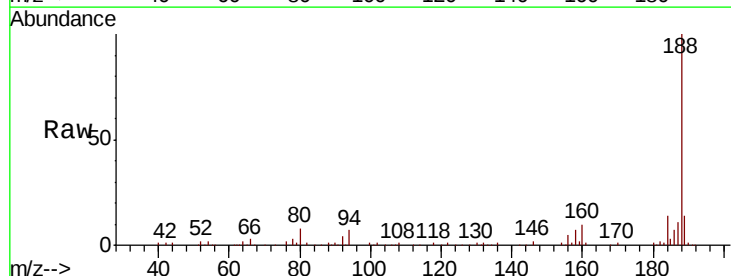
Instrument :
 BNA_G
 ClientSampleId :

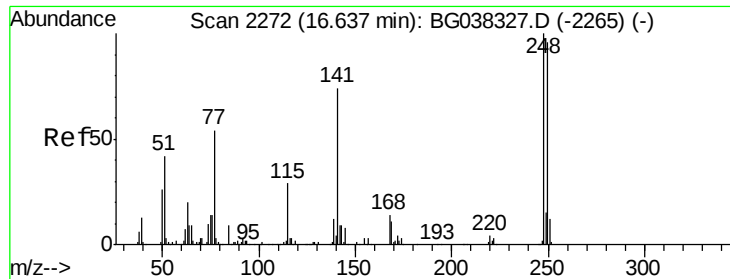
Tot Ion:165	Resp: 8931
Ion Ratio	Lower Upper
165 100	
63 0.0	33.4 50.0#
89 0.0	57.2 85.8#
182 0.0	2.6 4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2410
 Delta R.T. -0.01 min
 Lab File: BG038442.D
 Acq: 10 Dec 2018 17:00

Tgt	Ion:188	Resp:	181739
Ion	Ratio	Lower	Upper
188	100		
94	7.4	7.2	10.8
80	8.4	7.7	11.5

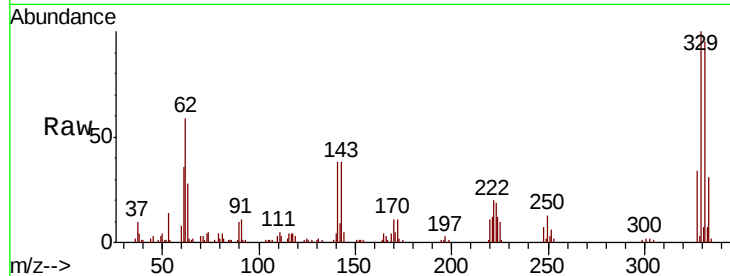




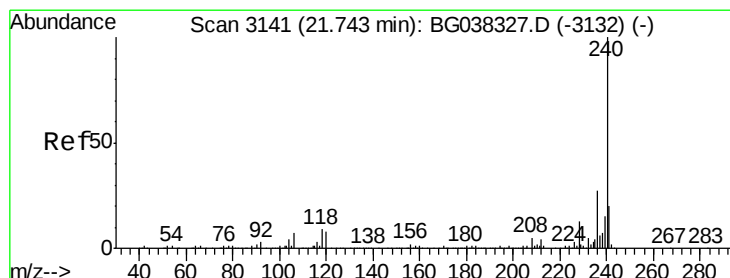
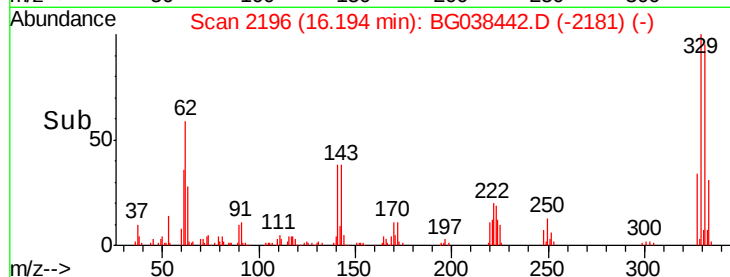
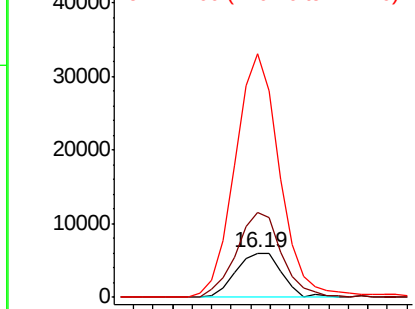
#67
4-Bromophenyl-phenylether
Concen: 4.955 ng
RT: 16.19 min Scan# 2196
Delta R.T. -0.44 min
Lab File: BG038442.D
Acq: 10 Dec 2018 17:00

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 9725
Ion Ratio Lower Upper
248 100
250 189.4 77.0 115.6#
141 431.5 55.5 83.3#

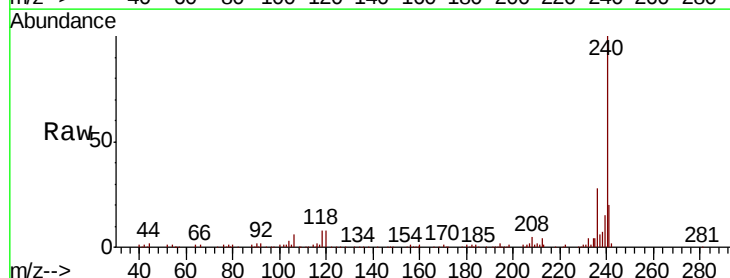


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

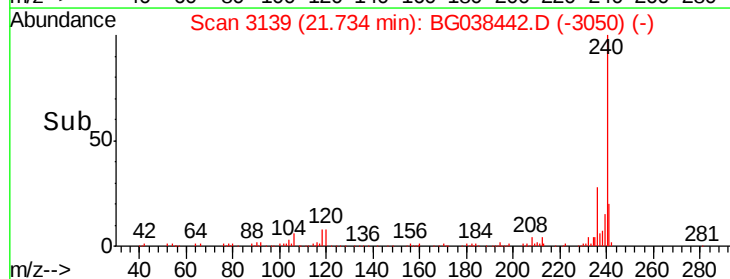
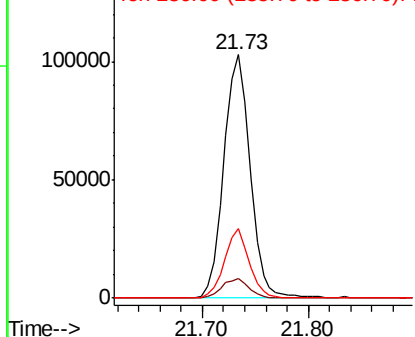


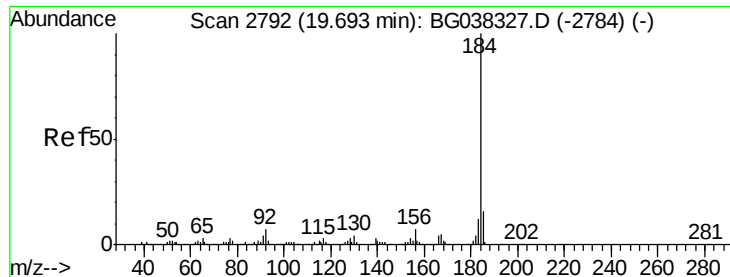
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038442.D
Acq: 10 Dec 2018 17:00

Tgt Ion:240 Resp: 178113
Ion Ratio Lower Upper
240 100
120 8.1 8.1 12.1
236 28.4 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: 2.467 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.36 min

Lab File: BG038442.D

Acq: 10 Dec 2018 17:00

Instrument :

BNA_G

ClientSampleId :

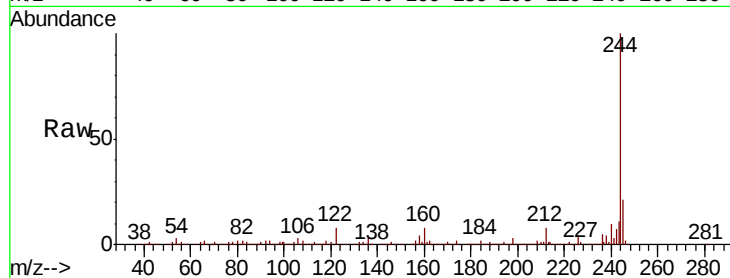
Tot Ion:184 Resp: 14830

Ion Ratio Lower Upper

184 100

185 14.0 12.6 18.8

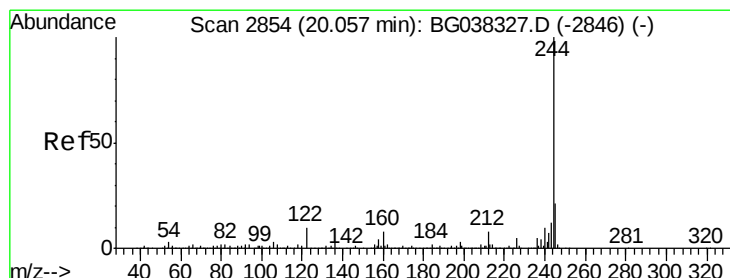
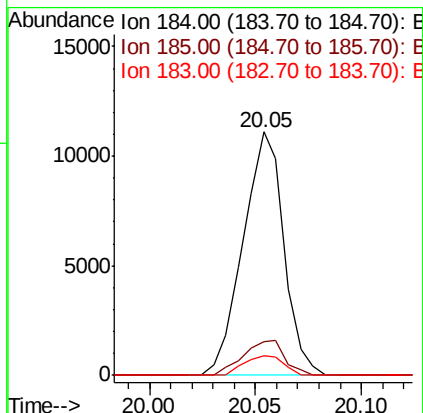
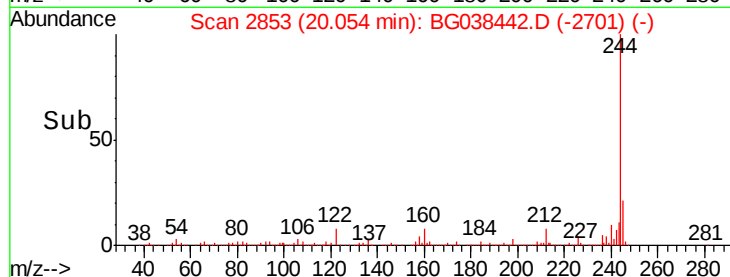
183 8.2 10.2 15.2#



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: 103.235 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG038442.D

Acq: 10 Dec 2018 17:00

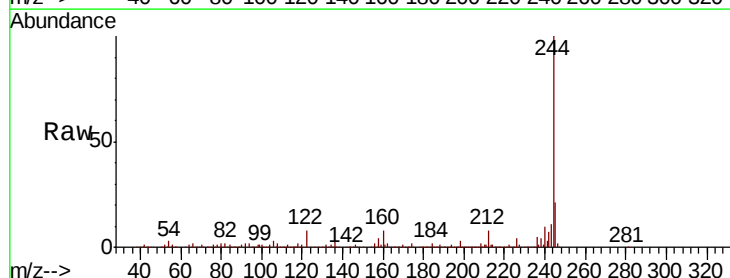
Tgt Ion:244 Resp: 858320

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

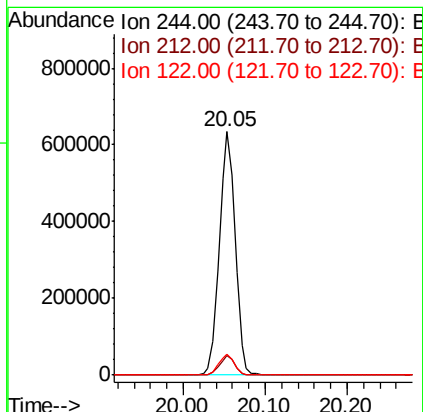
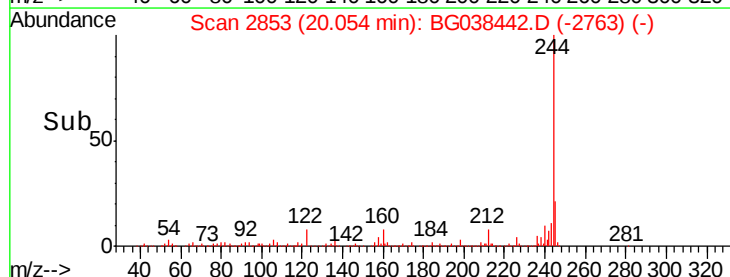
122 8.4 9.0 13.4#

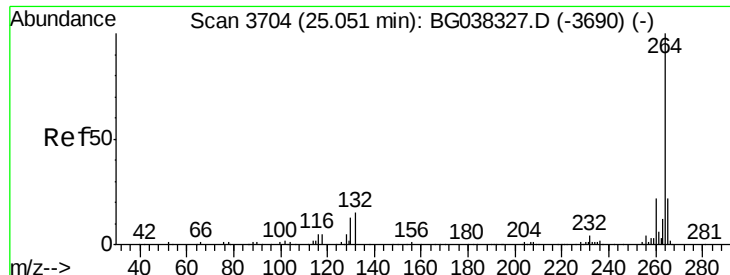


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG038442.D
 Acq: 10 Dec 2018 17:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.2	27.4
265	22.7	17.9	26.9

