

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112618\
 Data File : BG038162.D
 Acq On : 27 Nov 2018 9:33
 Operator : JU/SJ
 Sample : J6061-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 27 11:08:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

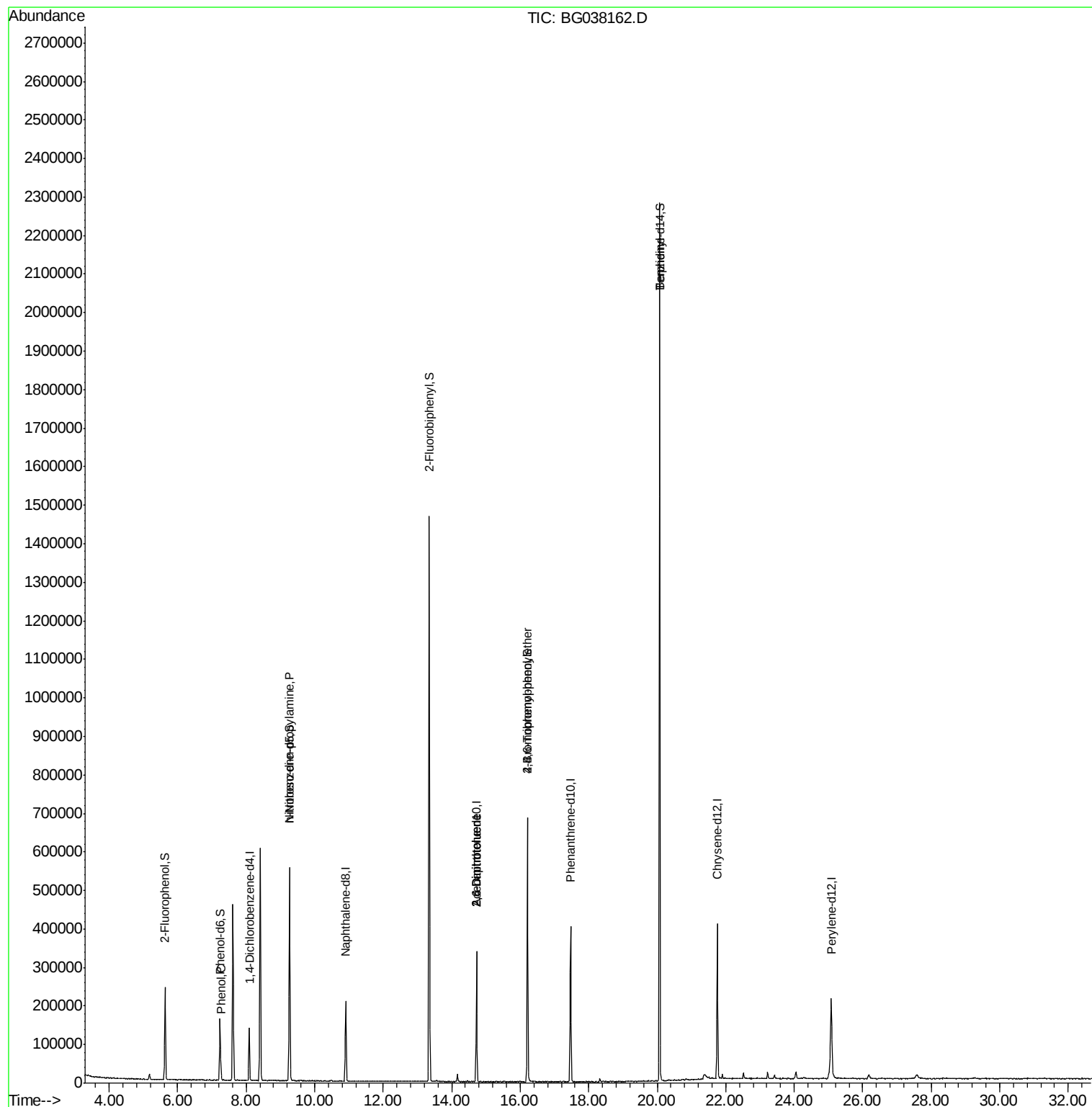
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	41663	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	188586	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	119517	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	264379	20.00	ng	0.00
76) Chrysene-d12	21.76	240	248011	20.00	ng	0.00
87) Perylene-d12	25.08	264	249552	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	112130	46.47	ng	0.00
7) Phenol-d6	7.23	99	96622	28.05	ng	0.00
23) Nitrobenzene-d5	9.26	82	347775	98.72	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	125145	91.81	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	794879	96.89	ng	0.00
79) Terphenyl-d14	20.07	244	1081906	102.65	ng	0.00
Target Compounds						
10) Phenol	7.26	94	19070	5.227	ng	92
19) n-Nitroso-di-n-propylamine	9.26	70	44597	17.893	ng	# 77
51) 2,6-Dinitrotoluene	14.72	165	15596	7.273	ng	# 25
57) 2,4-Dinitrotoluene	14.72	165	15596	5.345	ng	# 24
67) 4-Bromophenyl-phenylether	16.21	248	8625	2.972	ng	# 1
77) Benzidine	20.07	184	19297	2.217	ng	# 93

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

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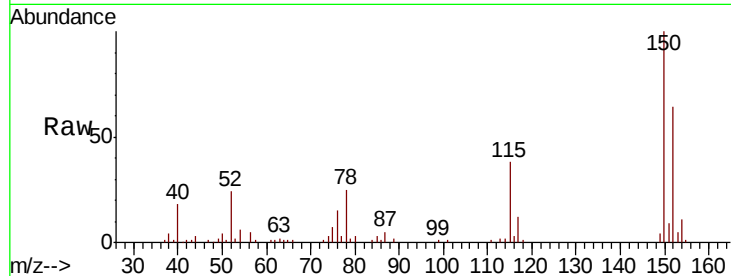


#1

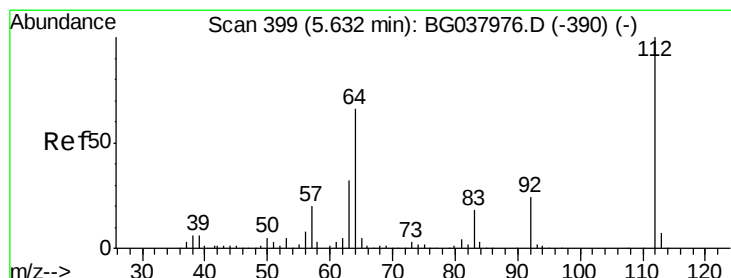
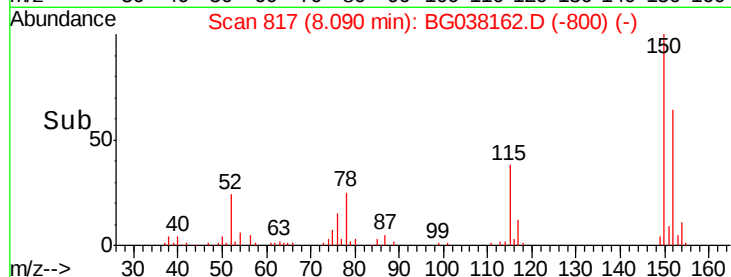
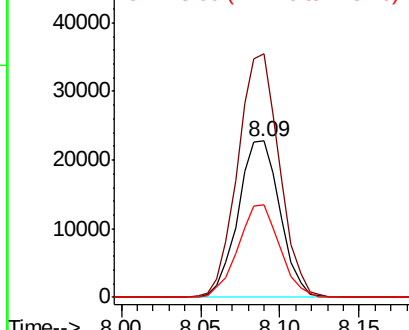
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 817
Delta R.T. 0.00 min
Lab File: BG038162.D
Acq: 27 Nov 2018 9:33

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 41663
Ion Ratio Lower Upper
152 100
150 155.7 126.0 189.0
115 59.3 45.5 68.3



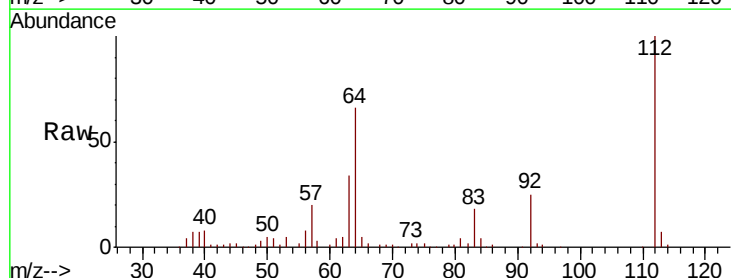
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



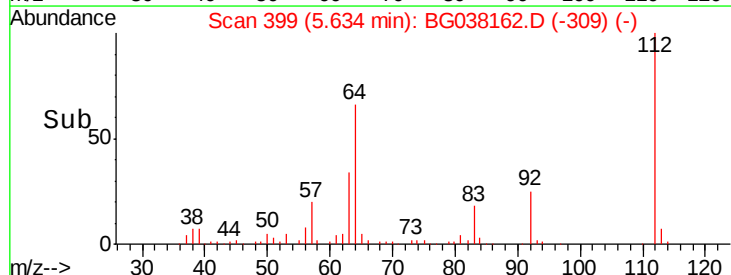
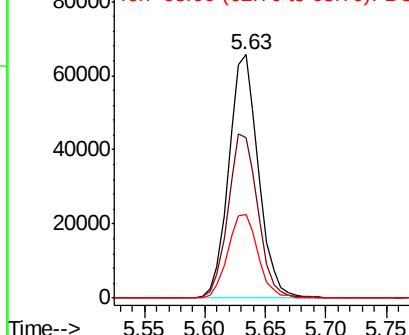
#5

2-Fluorophenol
Concen: 46.468 ng
RT: 5.63 min Scan# 399
Delta R.T. 0.00 min
Lab File: BG038162.D
Acq: 27 Nov 2018 9:33

Tgt Ion:112 Resp: 112130
Ion Ratio Lower Upper
112 100
64 65.7 53.1 79.7
63 34.2 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: 28.051 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038162.D

Acq: 27 Nov 2018 9:33

Instrument :

BNA_G

ClientSampled :

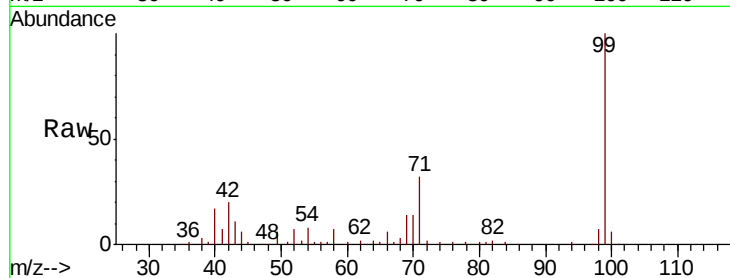
Tot Ion: 99 Resp: 96622

Ion Ratio Lower Upper

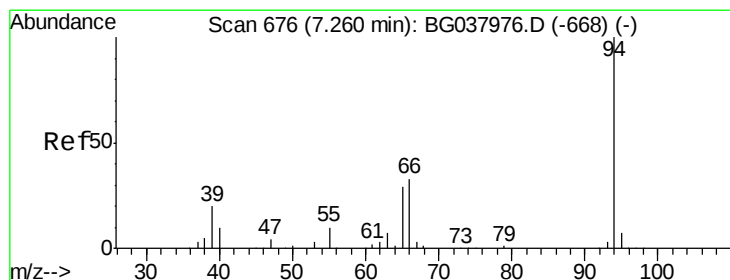
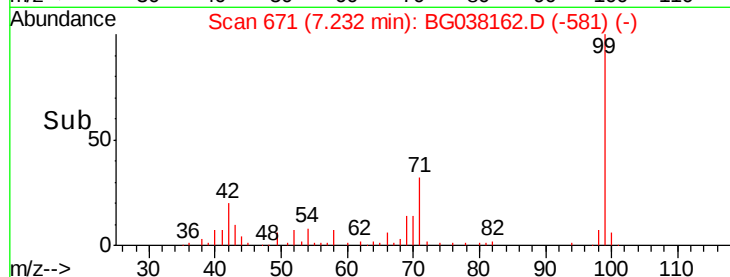
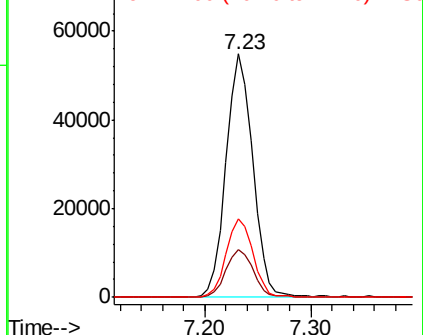
99 100

42 19.8 15.0 22.4

71 32.4 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



#10

Phenol

Concen: 5.227 ng

RT: 7.26 min Scan# 676

Delta R.T. 0.00 min

Lab File: BG038162.D

Acq: 27 Nov 2018 9:33

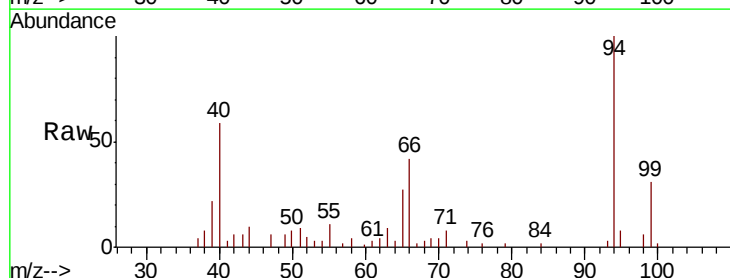
Tgt Ion: 94 Resp: 19070

Ion Ratio Lower Upper

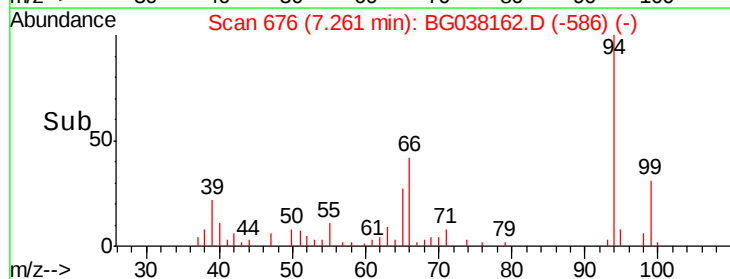
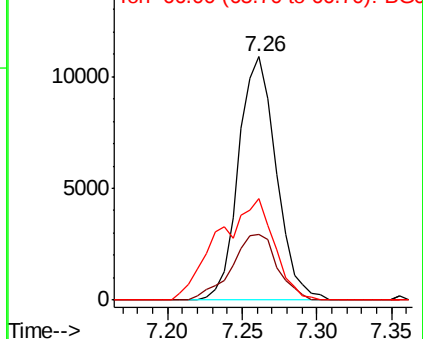
94 100

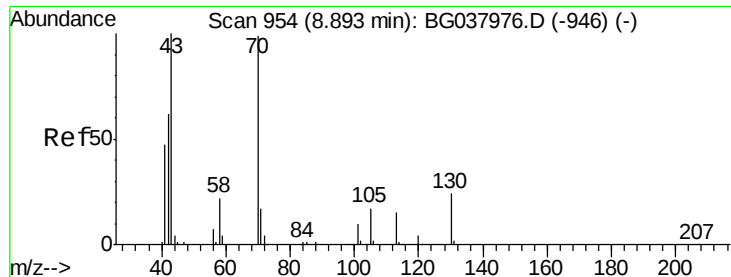
65 26.8 9.7 49.7

66 41.8 15.9 55.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

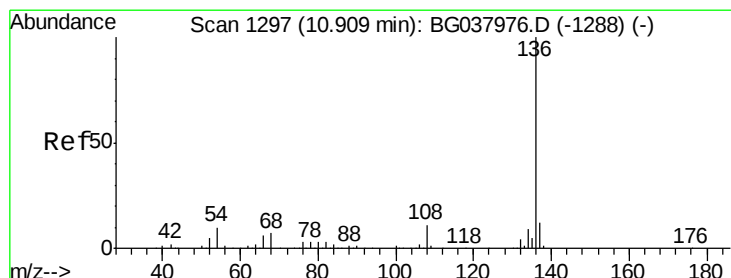
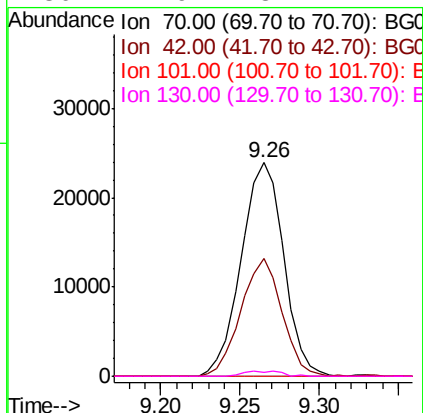
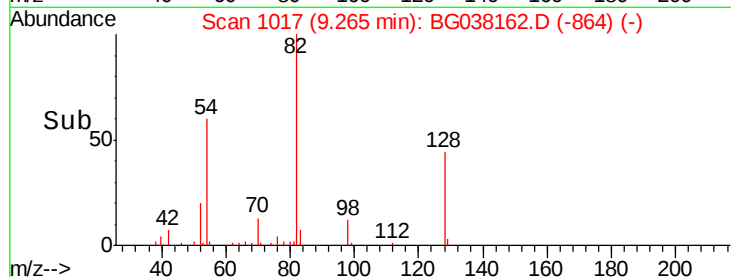
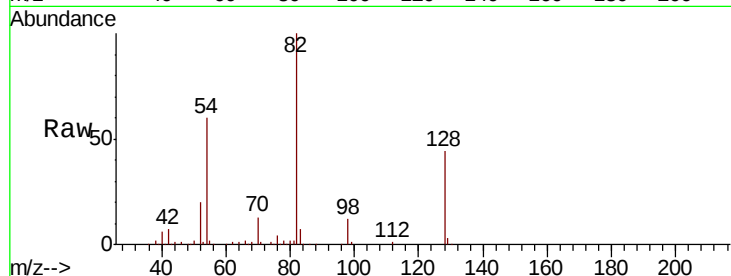




#19
n-Nitroso-di-n-propylamine
Concen: 17.893 ng
RT: 9.26 min Scan# 1017
Delta R.T. 0.37 min
Lab File: BG038162.D
Acq: 27 Nov 2018 9:33

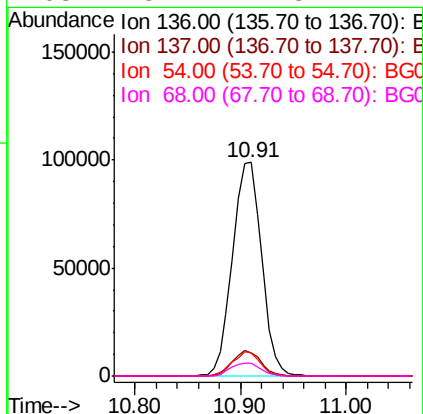
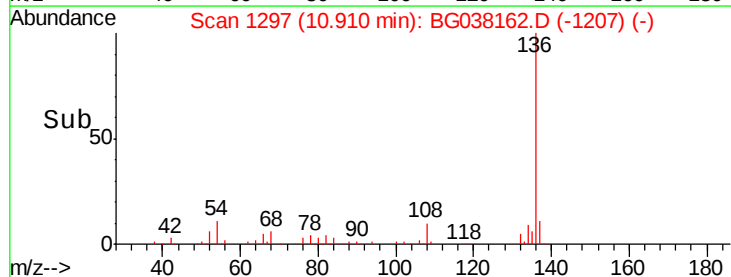
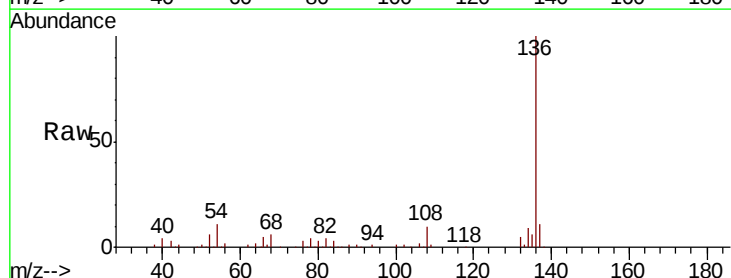
Instrument :
BNA_G
ClientSampleId :

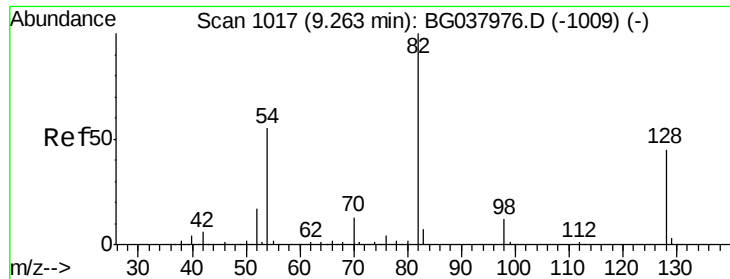
Tot Ion: 70 Resp: 44597
Ion Ratio Lower Upper
70 100
42 55.4 53.9 80.9
101 0.0 8.2 12.2#
130 1.9 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BG038162.D
Acq: 27 Nov 2018 9:33

Tgt Ion: 136 Resp: 188586
Ion Ratio Lower Upper
136 100
137 10.9 9.6 14.4
54 10.7 7.9 11.9
68 5.7 4.8 7.2

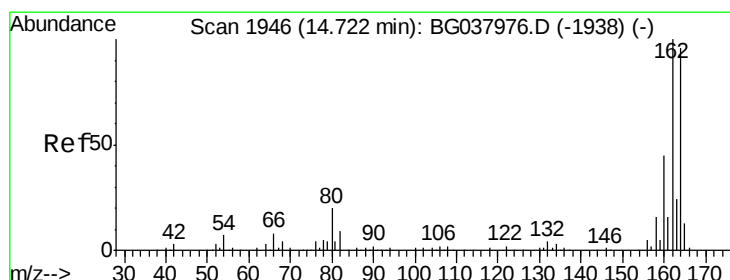
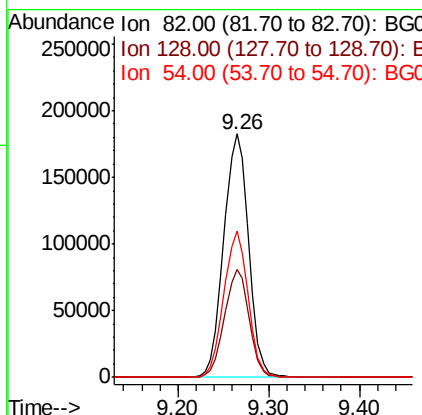
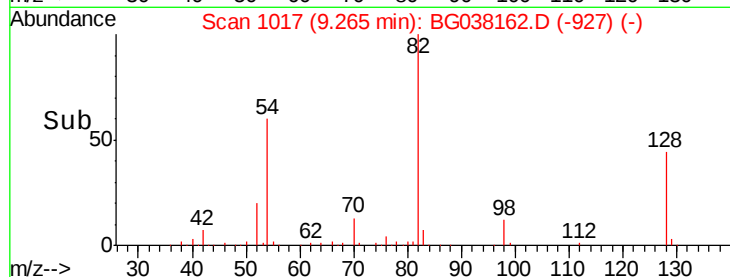
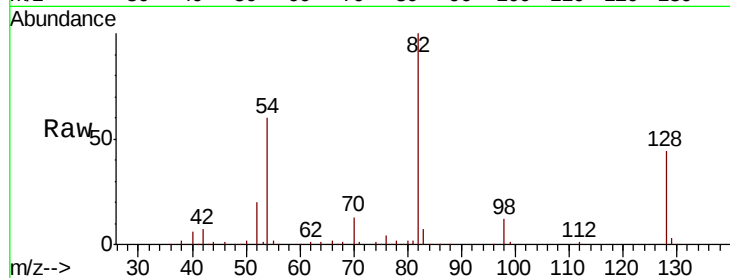




#23
Nitrobenzene-d5
Concen: 98.716 ng
RT: 9.26 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BG038162.D
Acq: 27 Nov 2018 9:33

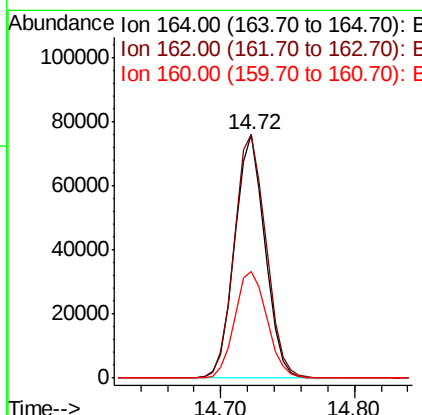
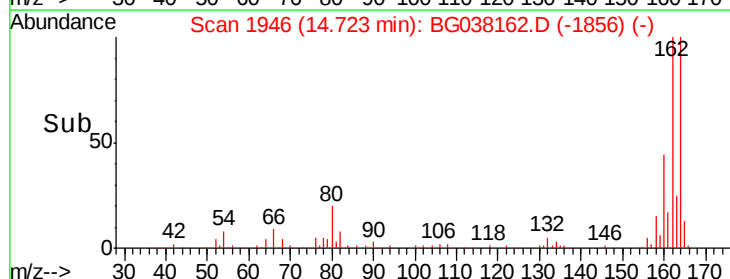
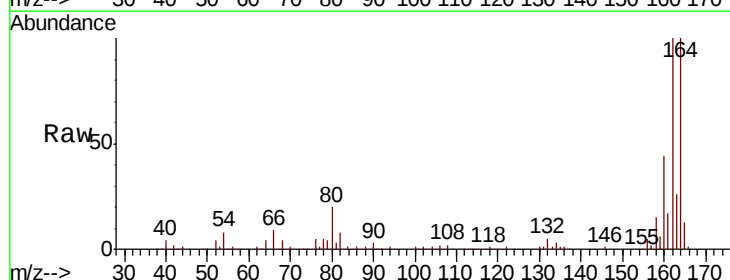
Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	347775
Ion Ratio	Lower	Upper	
82	100		
128	44.3	34.6	51.8
54	60.0	45.3	67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1946
Delta R.T. 0.00 min
Lab File: BG038162.D
Acq: 27 Nov 2018 9:33

Tgt Ion	164	Resp	119517
Ion Ratio	Lower	Upper	
164	100		
162	99.9	81.3	121.9
160	43.6	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 91.812 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG038162.D

Acq: 27 Nov 2018 9:33

Instrument :

BNA_G

ClientSampled :

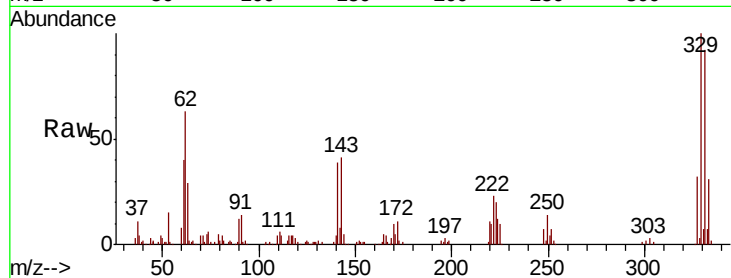
Tot Ion:330 Resp: 125145

Ion Ratio Lower Upper

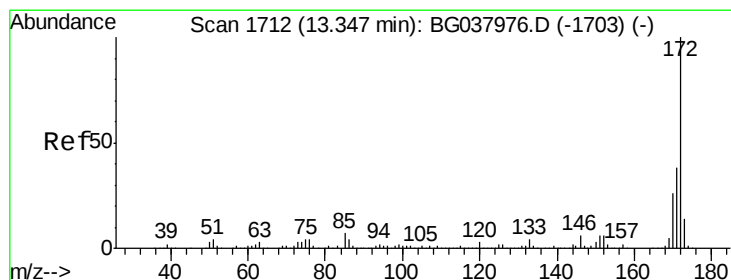
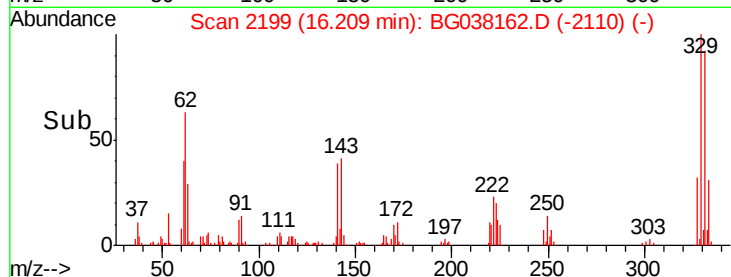
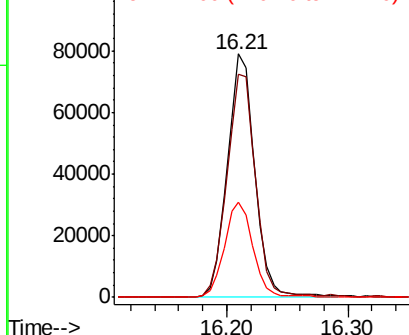
330 100

332 96.1 78.4 117.6

141 40.5 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: 96.892 ng

RT: 13.34 min Scan# 1711

Delta R.T. -0.00 min

Lab File: BG038162.D

Acq: 27 Nov 2018 9:33

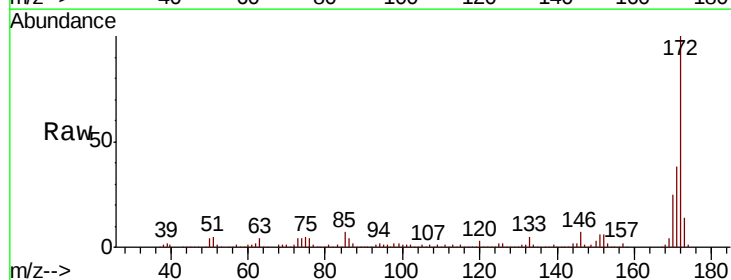
Tgt Ion:172 Resp: 794879

Ion Ratio Lower Upper

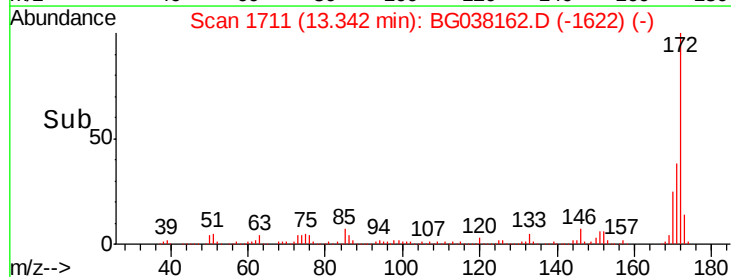
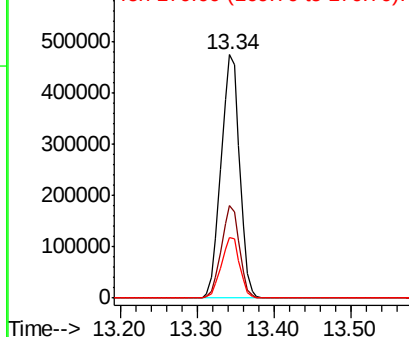
172 100

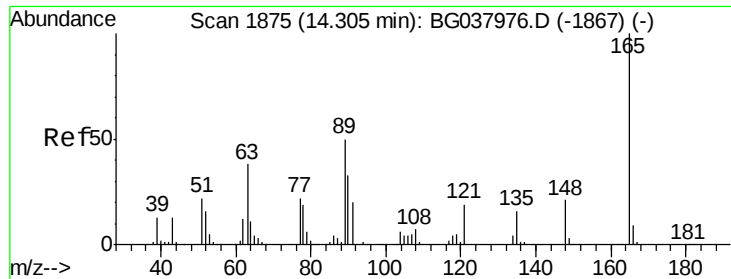
171 38.0 31.0 46.4

170 25.1 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

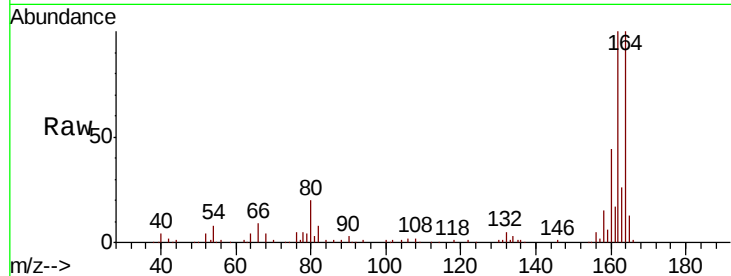




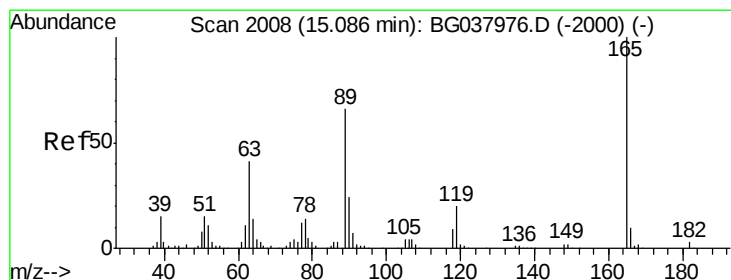
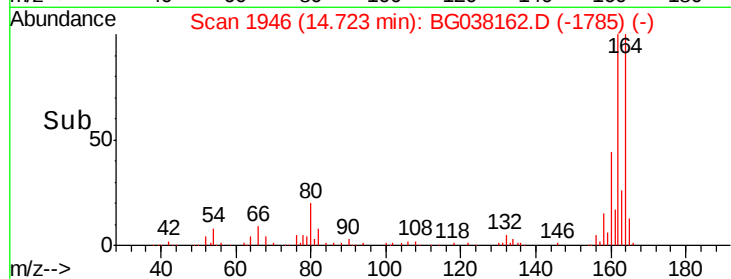
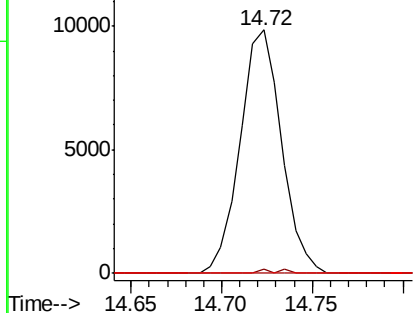
#51
 2,6-Dinitrotoluene
 Concen: 7.273 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. 0.42 min
 Lab File: BG038162.D
 Acq: 27 Nov 2018 9:33

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	43.4	65.2#
89	0.0	45.8	68.6#



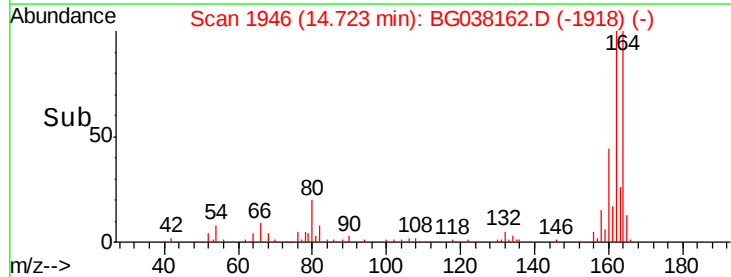
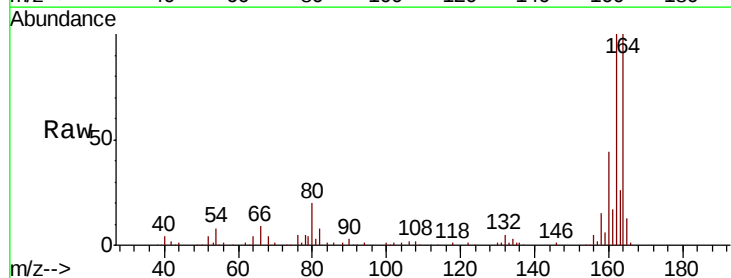
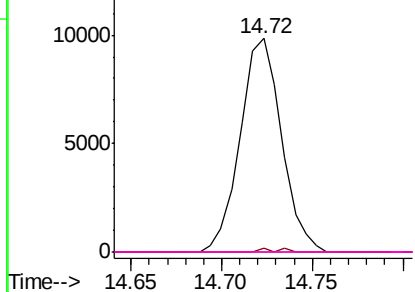
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.345 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. -0.36 min
 Lab File: BG038162.D
 Acq: 27 Nov 2018 9:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	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: 17.47 min Scan# 2414

Delta R.T. 0.00 min

Lab File: BG038162.D

Acq: 27 Nov 2018 9:33

Instrument :

BNA_G

ClientSampleId :

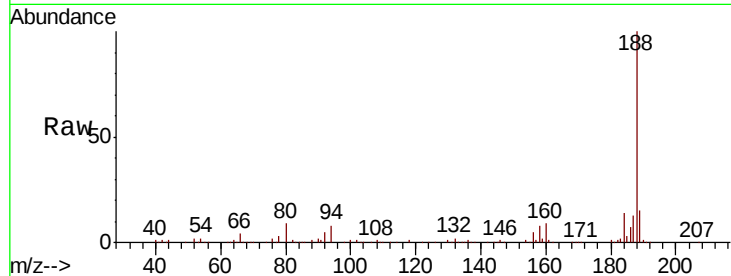
Tot Ion:188 Resp: 264379

Ion Ratio Lower Upper

188 100

94 8.3 7.2 10.8

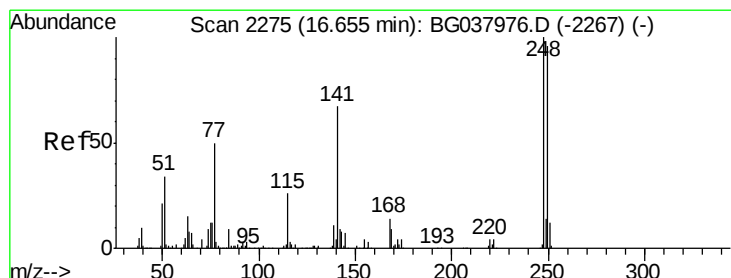
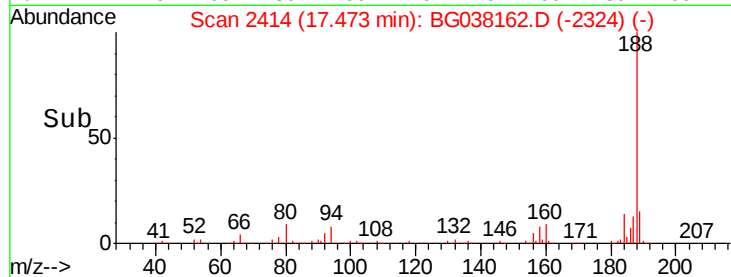
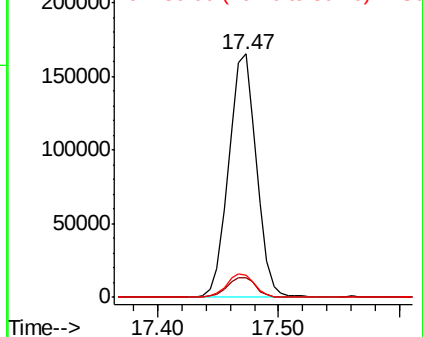
80 8.9 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 2.972 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.45 min

Lab File: BG038162.D

Acq: 27 Nov 2018 9:33

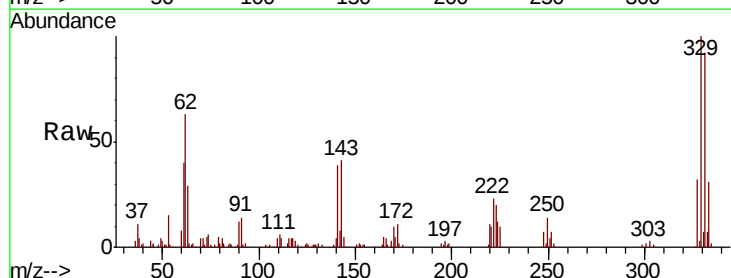
Tgt Ion:248 Resp: 8625

Ion Ratio Lower Upper

248 100

250 196.4 77.0 115.6#

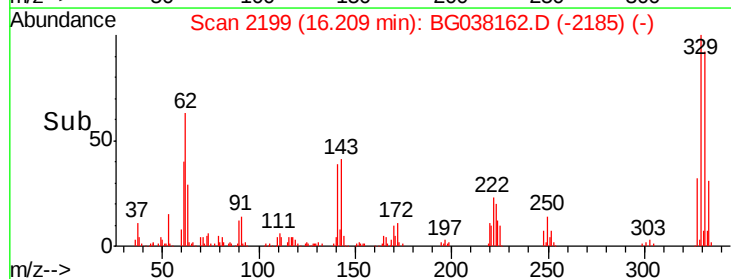
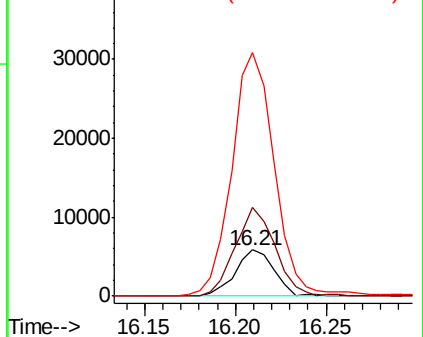
141 412.7 55.5 83.3#

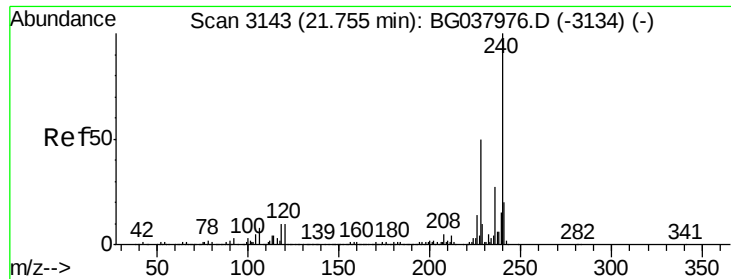


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

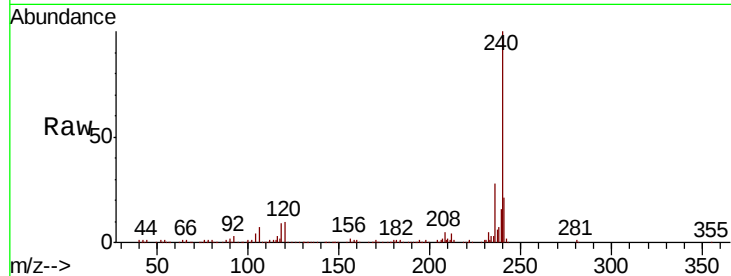




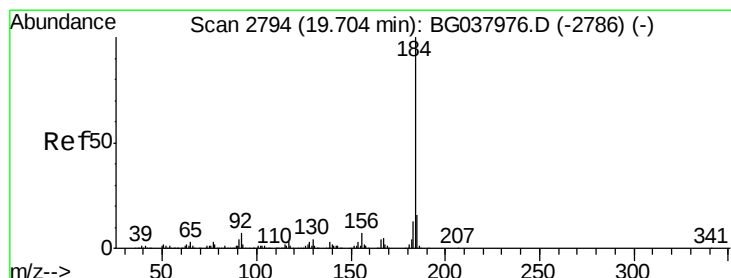
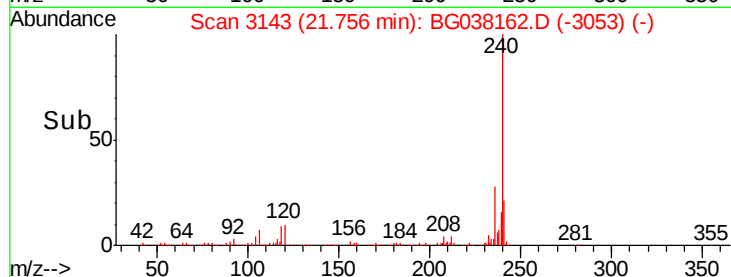
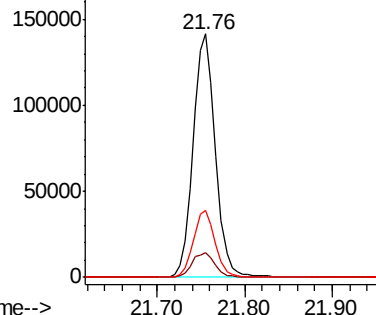
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3143
Delta R.T. 0.00 min
Lab File: BG038162.D
Acq: 27 Nov 2018 9:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 248011
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 27.7 21.4 32.0

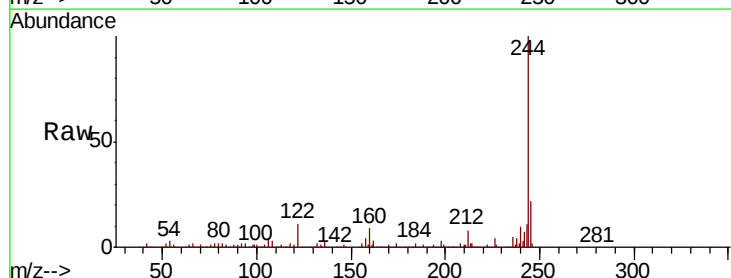


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

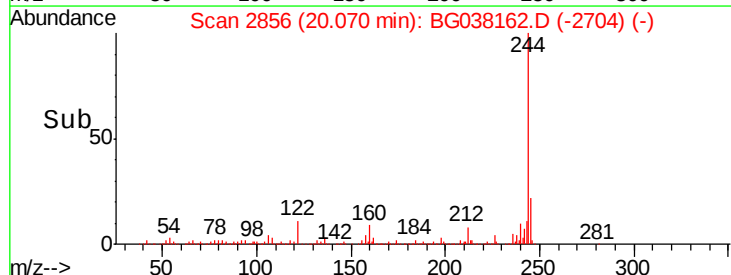
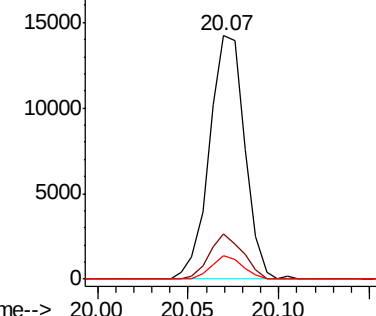


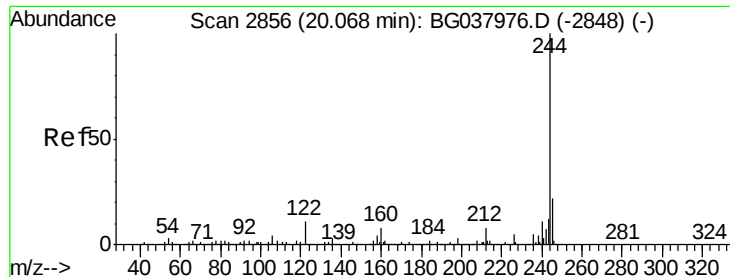
#77
Benzidine
Concen: 2.217 ng
RT: 20.07 min Scan# 2856
Delta R.T. 0.37 min
Lab File: BG038162.D
Acq: 27 Nov 2018 9:33

Tgt Ion:184 Resp: 19297
Ion Ratio Lower Upper
184 100
185 18.7 12.6 18.8
183 9.8 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: 102.646 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038162.D

Acq: 27 Nov 2018 9:33

Instrument :

BNA_G

ClientSampleId :

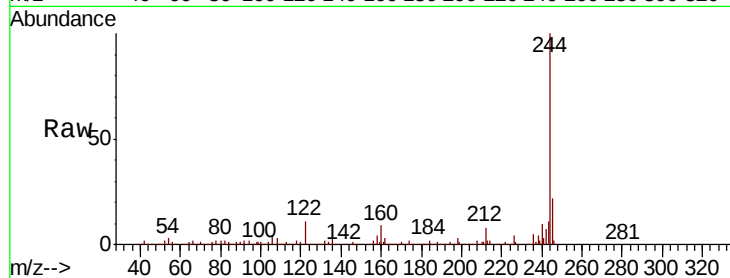
Tot Ion:244 Resp: 1081906

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

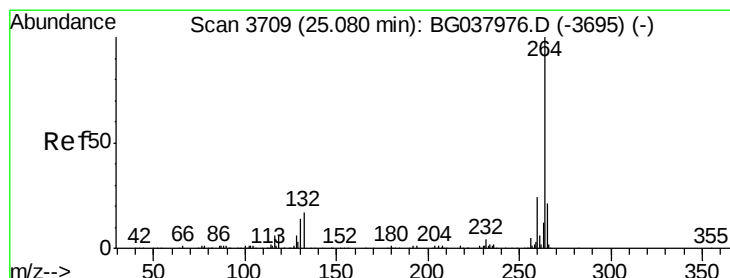
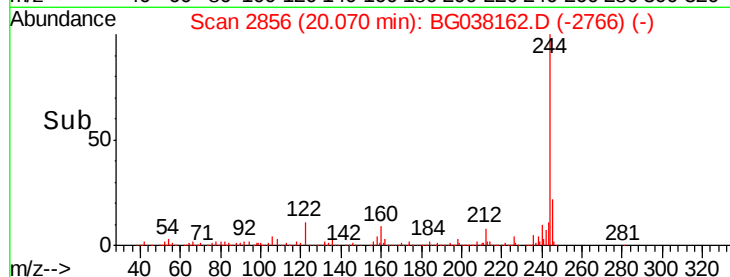
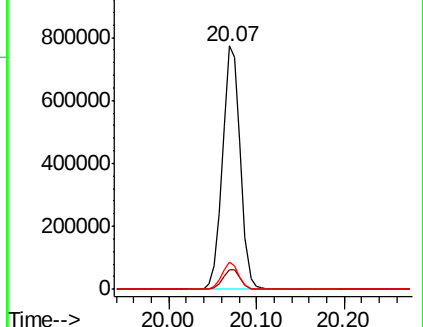
122 11.1 9.0 13.4



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: 25.08 min Scan# 3709

Delta R.T. 0.00 min

Lab File: BG038162.D

Acq: 27 Nov 2018 9:33

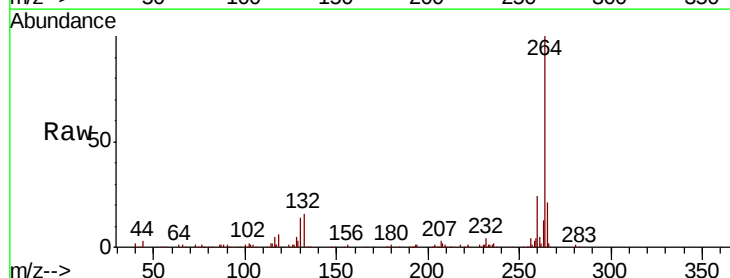
Tgt Ion:264 Resp: 249552

Ion Ratio Lower Upper

264 100

260 23.6 18.2 27.4

265 21.2 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

