

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112718\
 Data File : BG038196.D
 Acq On : 28 Nov 2018 11:24
 Operator : JU/SJ
 Sample : J6070-05
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 28 13:05:45 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

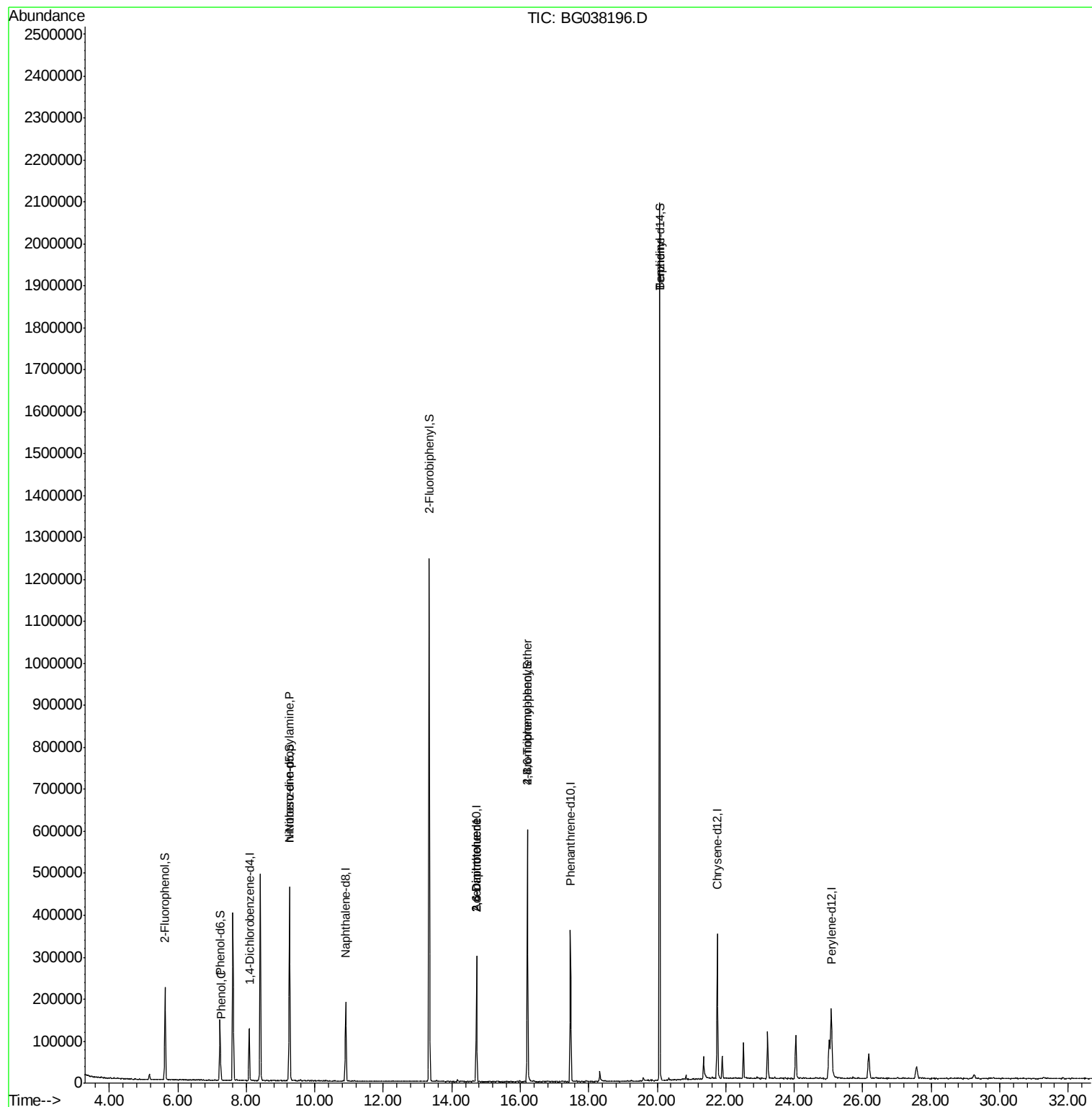
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	36029	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	164747	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	104837	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	234943	20.00	ng	0.00
76) Chrysene-d12	21.76	240	218231	20.00	ng	0.00
87) Perylene-d12	25.09	264	213231	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	100698	48.26	ng	0.00
7) Phenol-d6	7.23	99	88429	29.69	ng	0.00
23) Nitrobenzene-d5	9.26	82	296398	96.31	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	109496	91.58	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	663067	92.14	ng	0.00
79) Terphenyl-d14	20.07	244	980493	105.72	ng	0.00
Target Compounds						
10) Phenol	7.26	94	10056	3.187	ng	95
19) n-Nitroso-di-n-propylamine	9.26	70	36516	16.942	ng	# 75
51) 2,6-Dinitrotoluene	14.72	165	13467	7.159	ng	# 25
57) 2,4-Dinitrotoluene	14.72	165	13467	5.262	ng	# 25
67) 4-Bromophenyl-phenylether	16.21	248	7888	3.059	ng	# 1
77) Benzidine	20.07	184	17117	2.235	ng	# 95

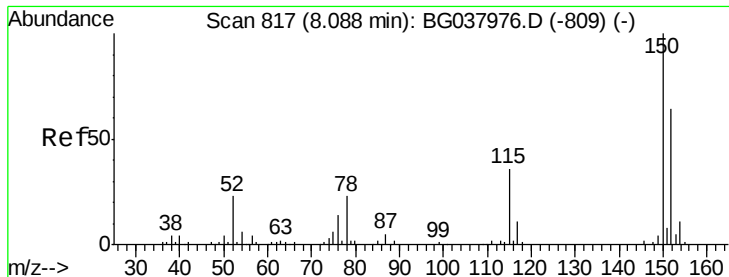
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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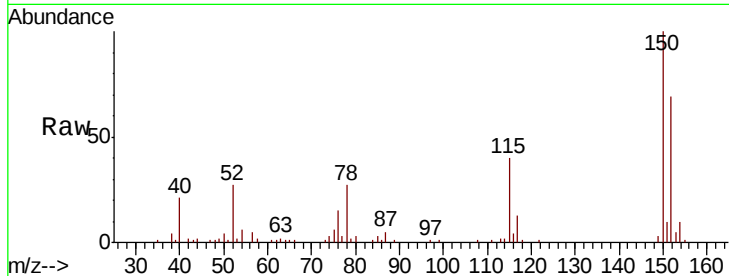


#1

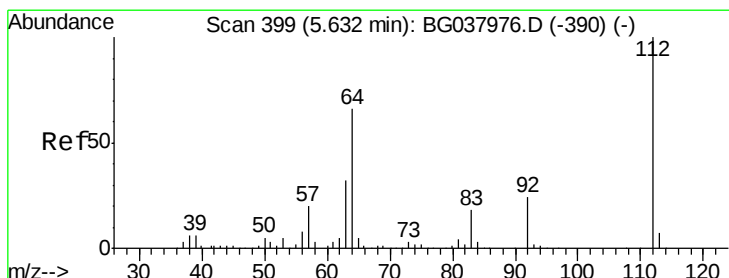
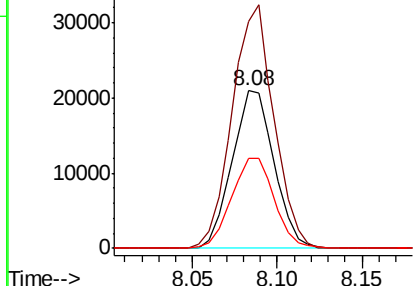
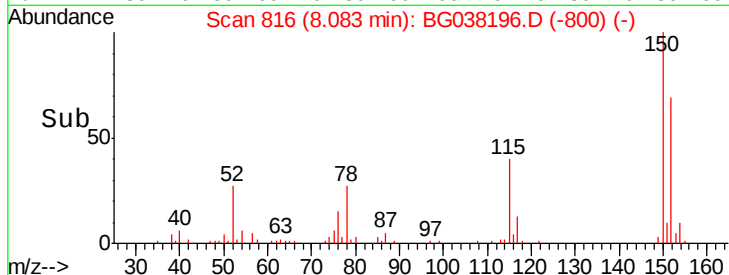
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.01 min
Lab File: BG038196.D
Acq: 28 Nov 2018 11:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 36029
Ion Ratio Lower Upper
152 100
150 144.4 126.0 189.0
115 57.5 45.5 68.3



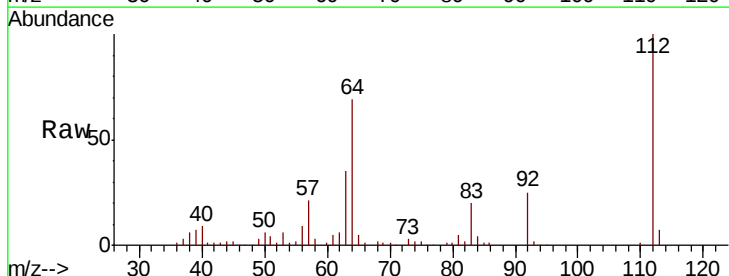
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



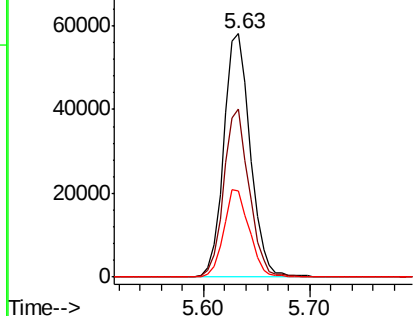
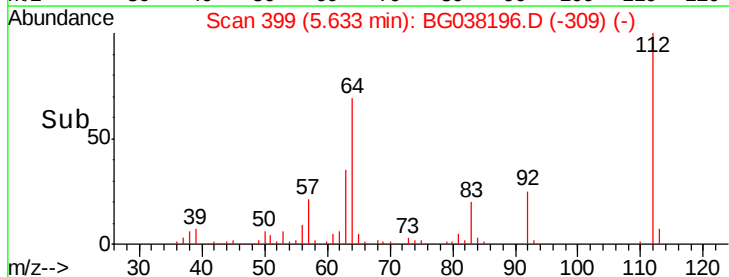
#5

2-Fluorophenol
Concen: 48.256 ng
RT: 5.63 min Scan# 399
Delta R.T. 0.00 min
Lab File: BG038196.D
Acq: 28 Nov 2018 11:24

Tgt Ion:112 Resp: 100698
Ion Ratio Lower Upper
112 100
64 68.8 53.1 79.7
63 35.3 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: 29.687 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038196.D

Acq: 28 Nov 2018 11:24

Instrument :

BNA_G

ClientSampleId :

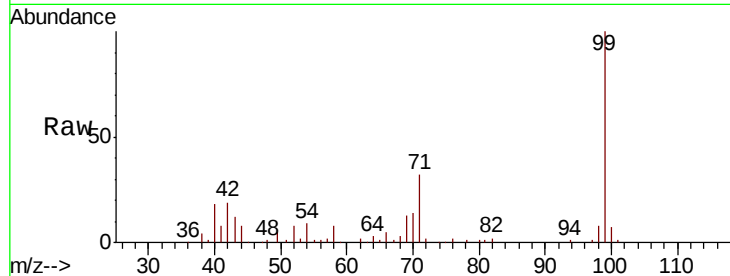
Tot Ion: 99 Resp: 88429

Ion Ratio Lower Upper

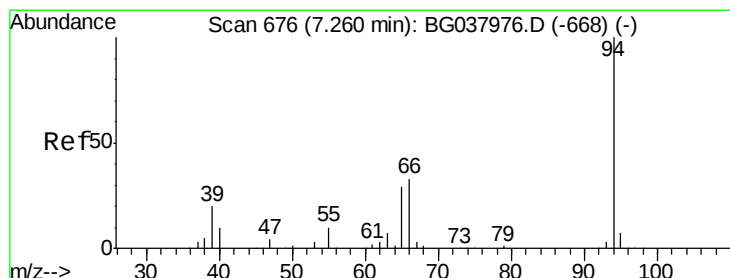
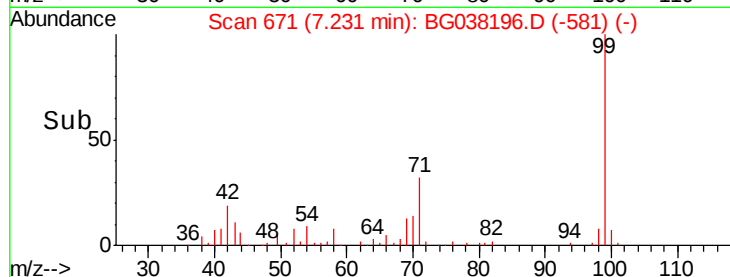
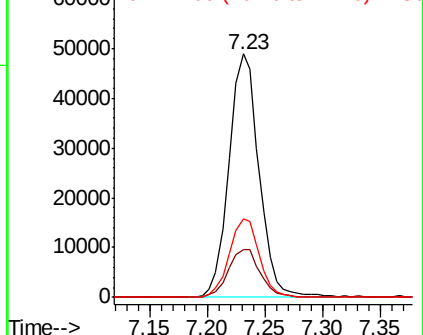
99 100

42 19.5 15.0 22.4

71 32.1 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: 3.187 ng

RT: 7.26 min Scan# 676

Delta R.T. 0.00 min

Lab File: BG038196.D

Acq: 28 Nov 2018 11:24

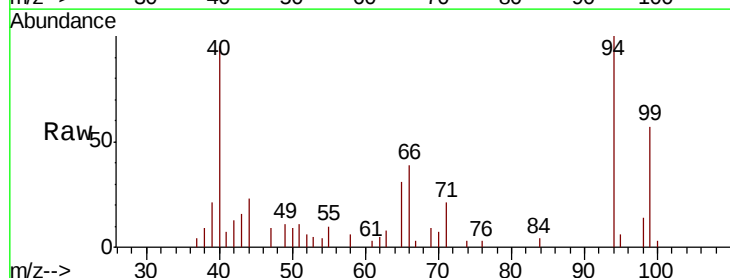
Tgt Ion: 94 Resp: 10056

Ion Ratio Lower Upper

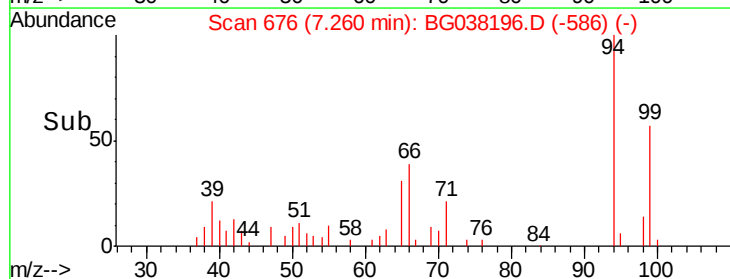
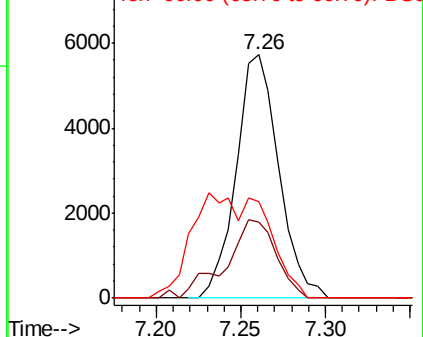
94 100

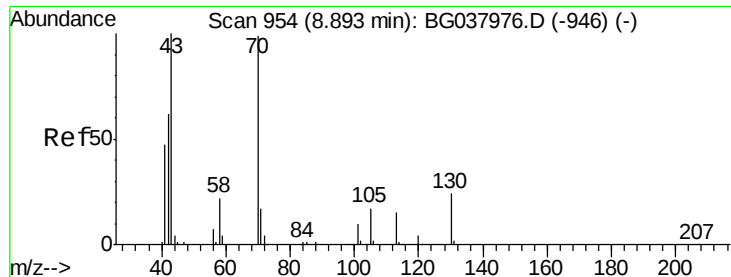
65 31.2 9.7 49.7

66 39.4 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

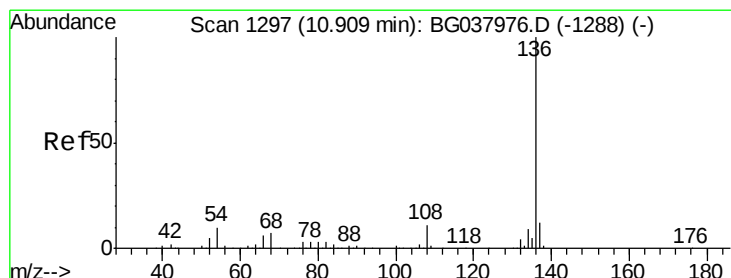
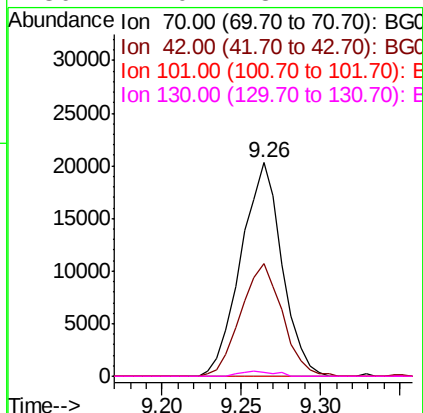
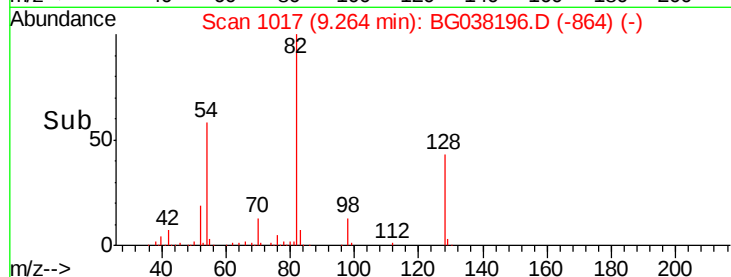
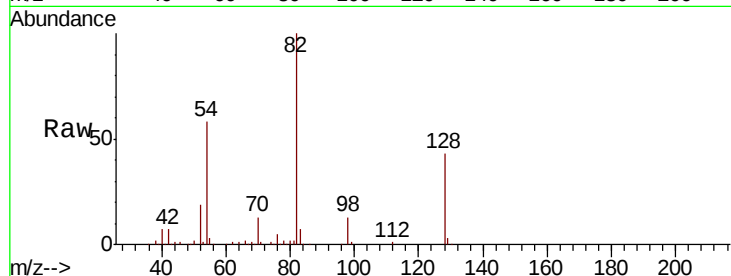




#19
n-Nitroso-di-n-propylamine
Concen: 16.942 ng
RT: 9.26 min Scan# 1017
Delta R.T. 0.37 min
Lab File: BG038196.D
Acq: 28 Nov 2018 11:24

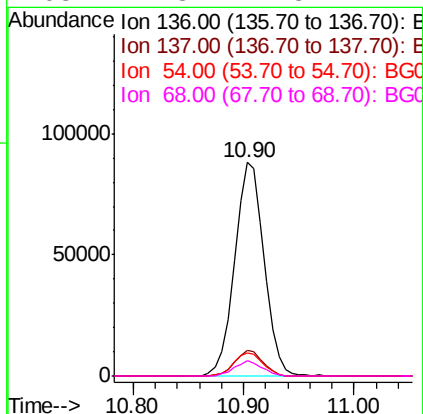
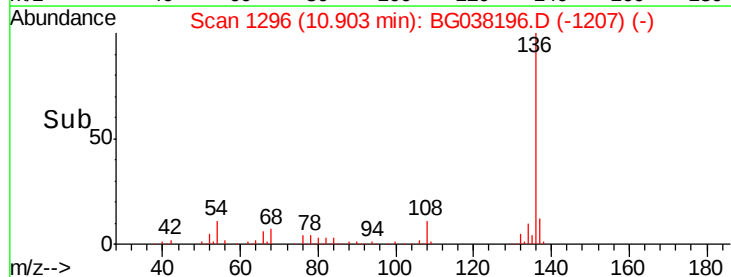
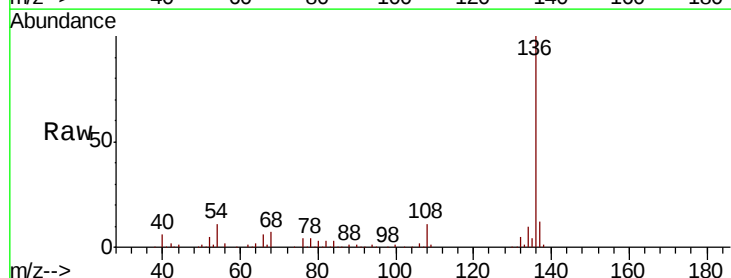
Instrument :
BNA_G
ClientSampleId :

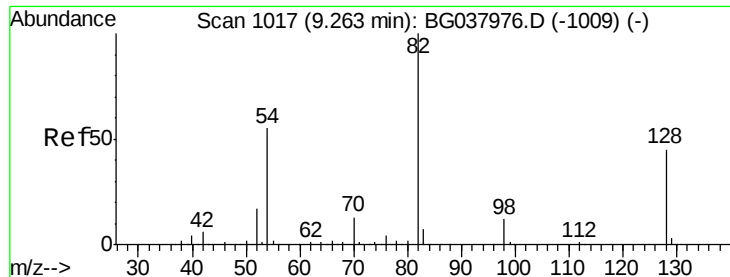
Tot Ion: 70 Resp: 36516
Ion Ratio Lower Upper
70 100
42 52.5 53.9 80.9#
101 0.0 8.2 12.2#
130 2.0 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BG038196.D
Acq: 28 Nov 2018 11:24

Tgt Ion:136 Resp: 164747
Ion Ratio Lower Upper
136 100
137 11.9 9.6 14.4
54 10.8 7.9 11.9
68 7.3 4.8 7.2#

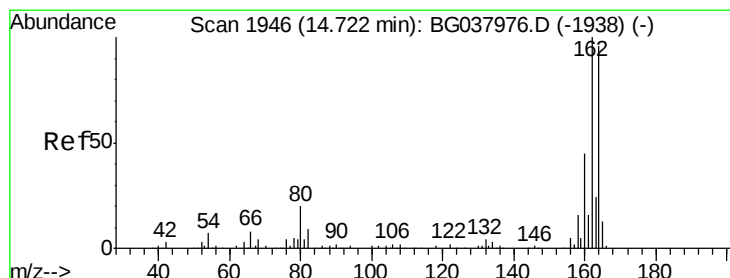
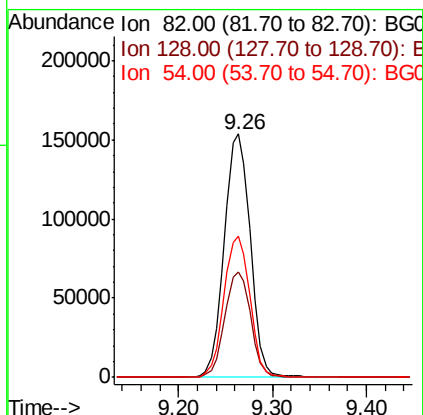
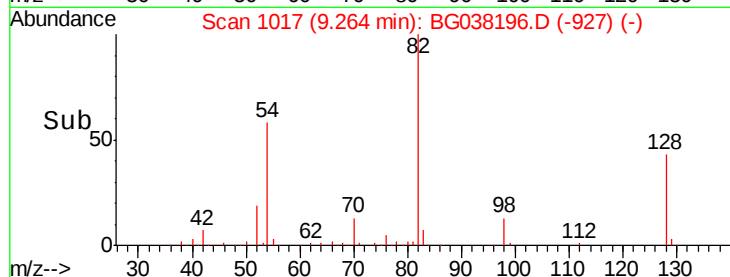
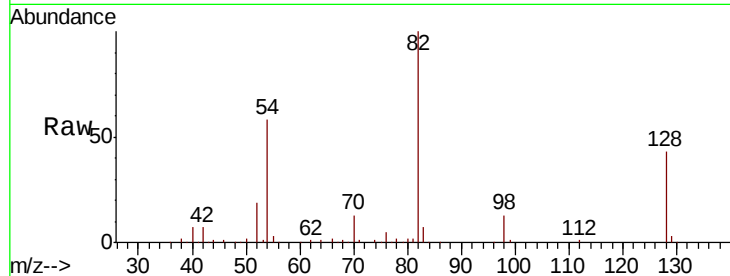




#23
Nitrobenzene-d5
Concen: 96.307 ng
RT: 9.26 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BG038196.D
Acq: 28 Nov 2018 11:24

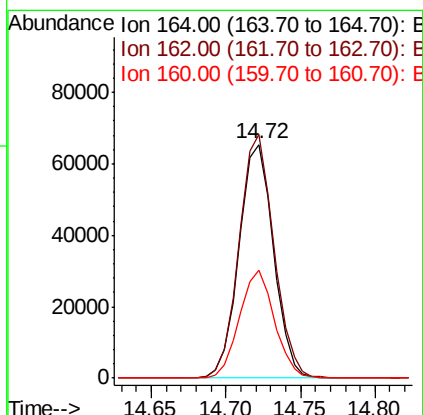
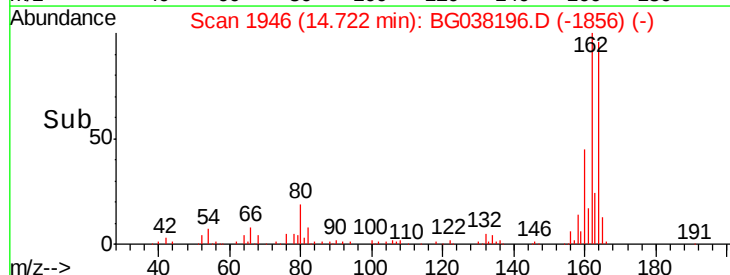
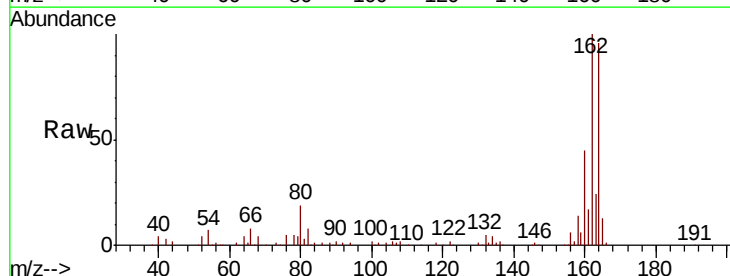
Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.6	51.8
54	57.9	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: BG038196.D
Acq: 28 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	81.3	121.9
160	46.5	36.3	54.5

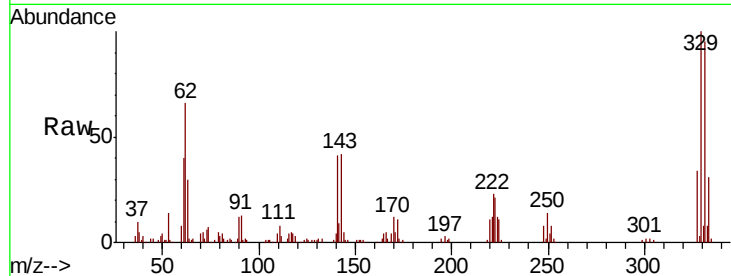




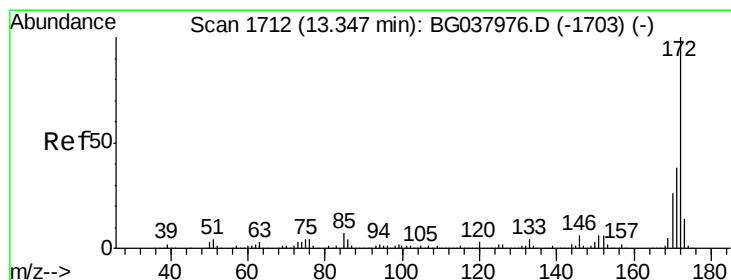
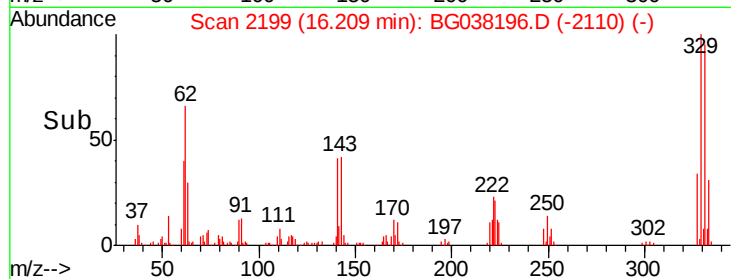
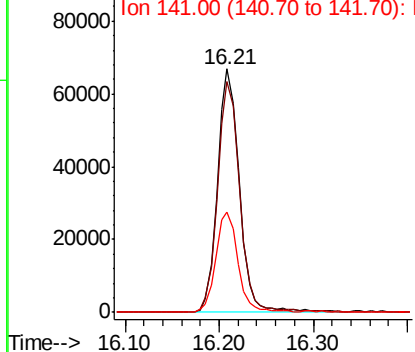
#42
 2,4,6-Tribromophenol
 Concen: 91.579 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. -0.01 min
 Lab File: BG038196.D
 Acq: 28 Nov 2018 11:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.4	117.6
141	41.6	32.2	48.2

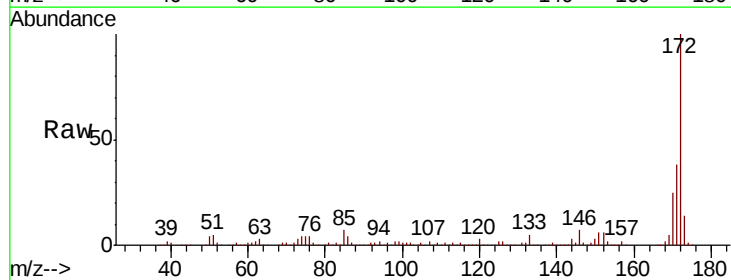


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

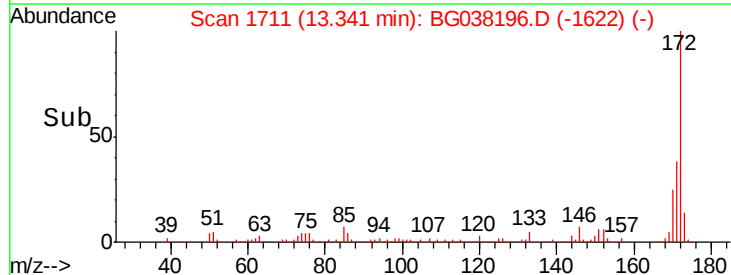
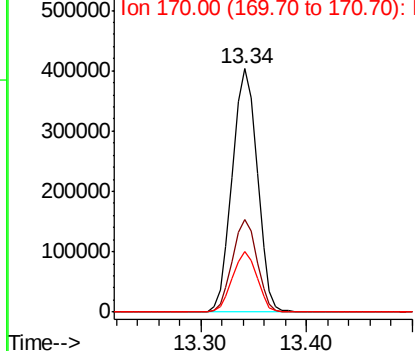


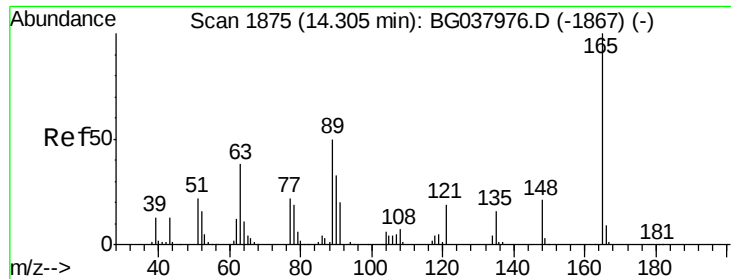
#45
 2-Fluorobiphenyl
 Concen: 92.142 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG038196.D
 Acq: 28 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.0	46.4
170	24.8	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

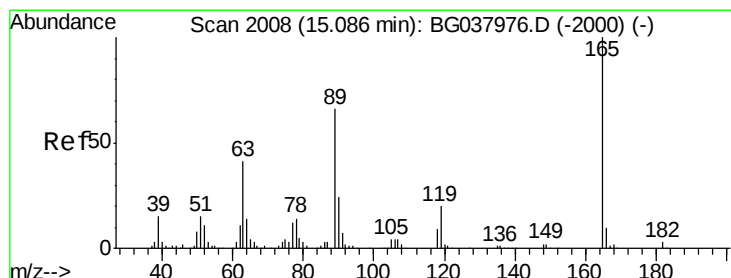
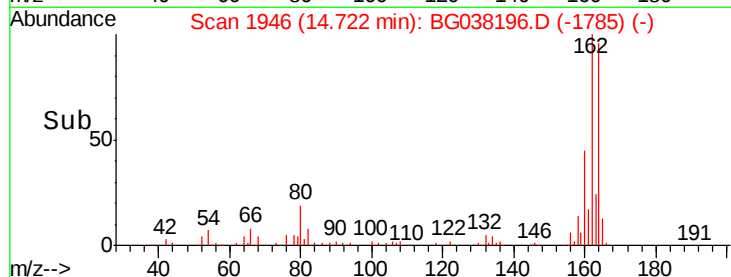
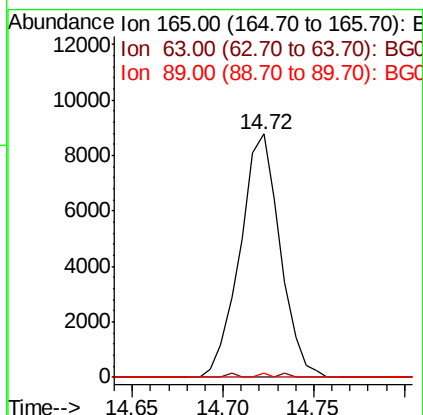
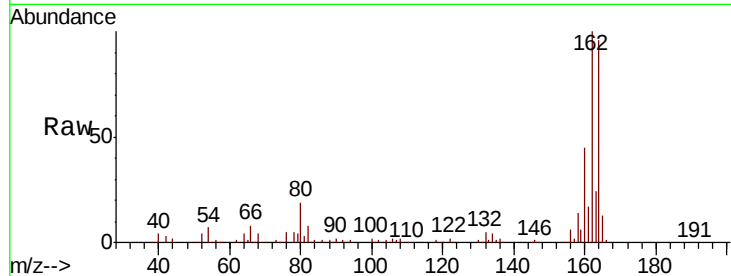




#51
 2,6-Dinitrotoluene
 Concen: 7.159 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. 0.42 min
 Lab File: BG038196.D
 Acq: 28 Nov 2018 11:24

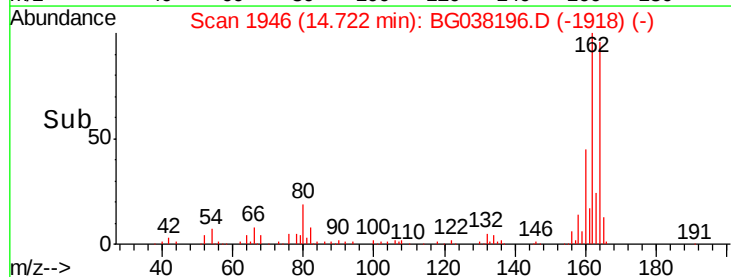
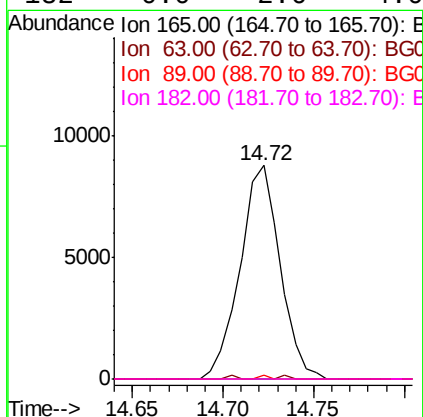
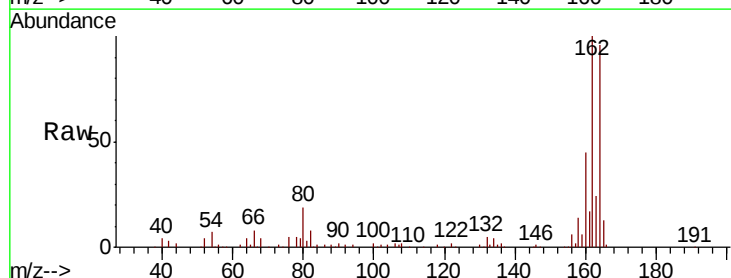
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	1.9	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.262 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. -0.36 min
 Lab File: BG038196.D
 Acq: 28 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	1.9	57.2	85.8#
182	0.0	2.6	4.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG038196.D

Acq: 28 Nov 2018 11:24

Instrument :

BNA_G

ClientSampleId :

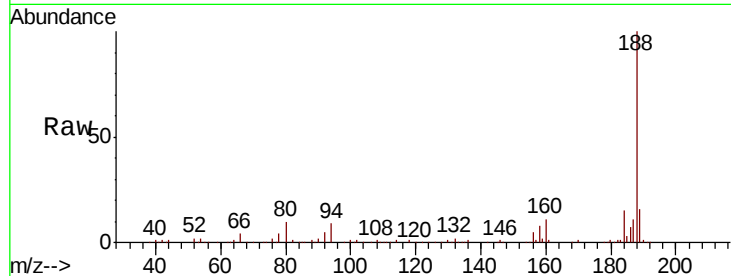
Tot Ion:188 Resp: 234943

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

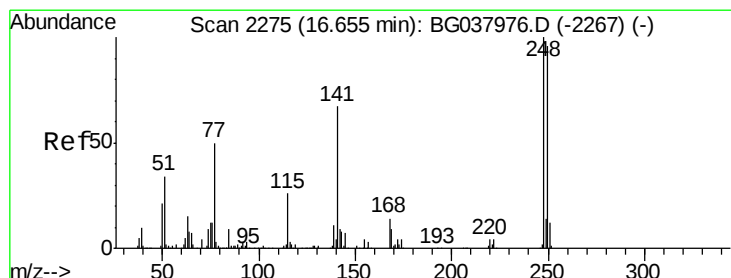
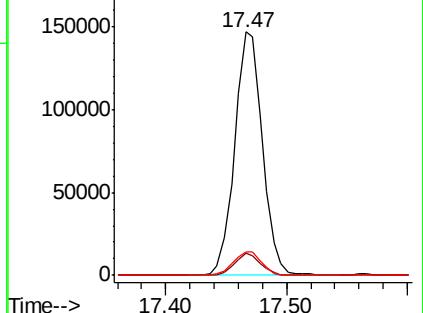
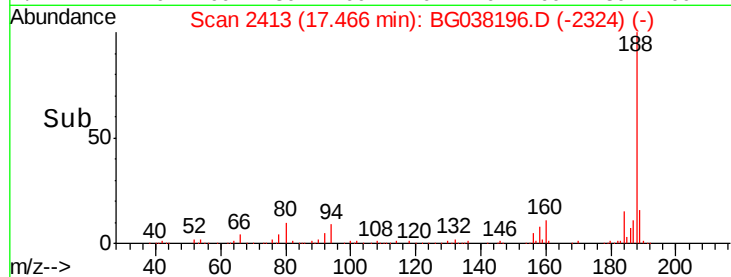
80 9.7 7.7 11.5



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: 3.059 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.45 min

Lab File: BG038196.D

Acq: 28 Nov 2018 11:24

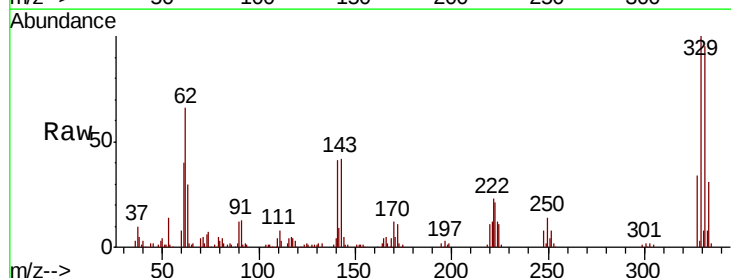
Tgt Ion:248 Resp: 7888

Ion Ratio Lower Upper

248 100

250 223.3 77.0 115.6#

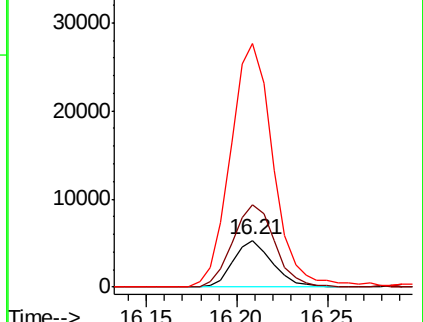
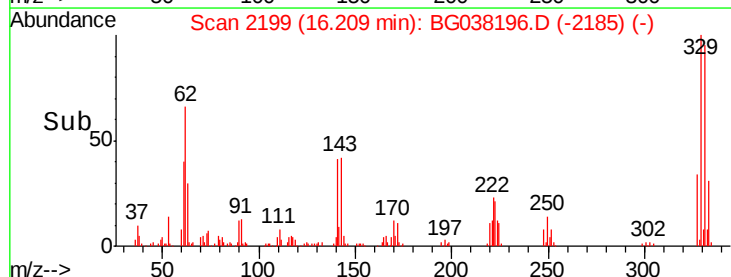
141 519.2 55.5 83.3#



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

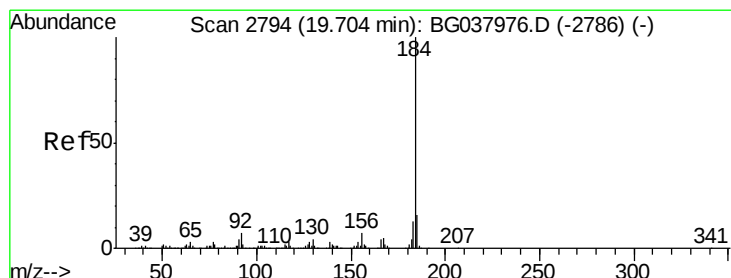
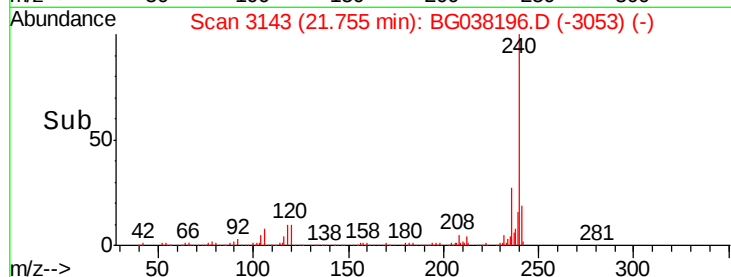
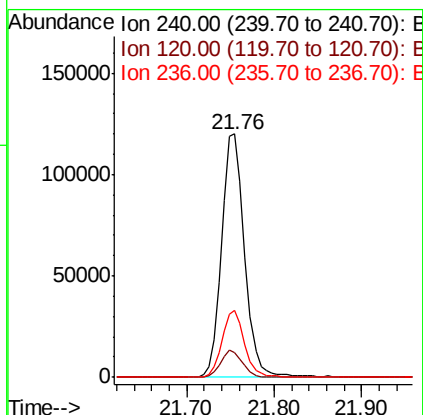
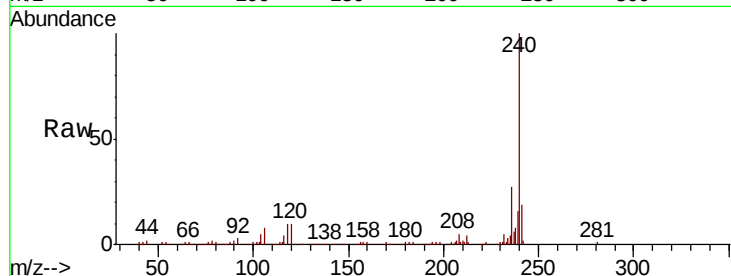




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3143
Delta R.T. 0.00 min
Lab File: BG038196.D
Acq: 28 Nov 2018 11:24

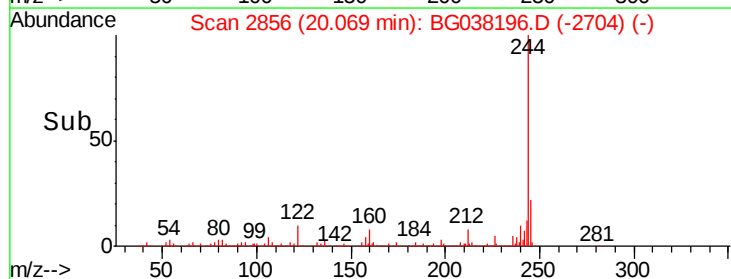
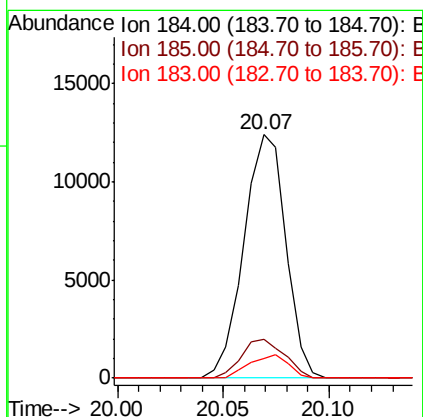
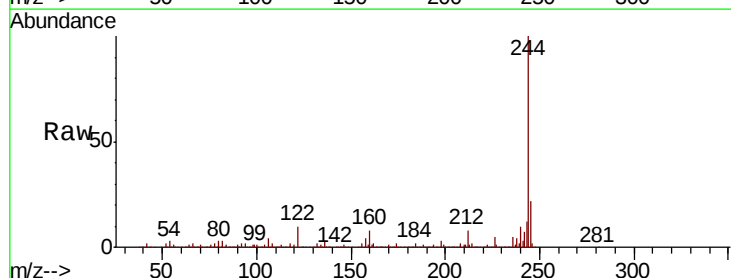
Instrument :
BNA_G
ClientSampleId :

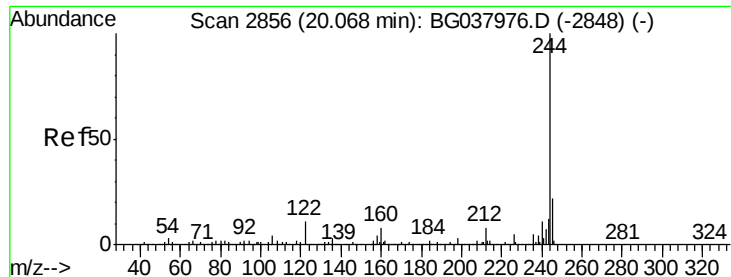
Tot Ion:240 Resp: 218231
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 27.5 21.4 32.0



#77
Benzidine
Concen: 2.235 ng
RT: 20.07 min Scan# 2856
Delta R.T. 0.36 min
Lab File: BG038196.D
Acq: 28 Nov 2018 11:24

Tgt Ion:184 Resp: 17117
Ion Ratio Lower Upper
184 100
185 15.9 12.6 18.8
183 8.1 10.2 15.2#





#79

Terphenyl-d14

Concen: 105.719 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038196.D

Acq: 28 Nov 2018 11:24

Instrument :

BNA_G

ClientSampled :

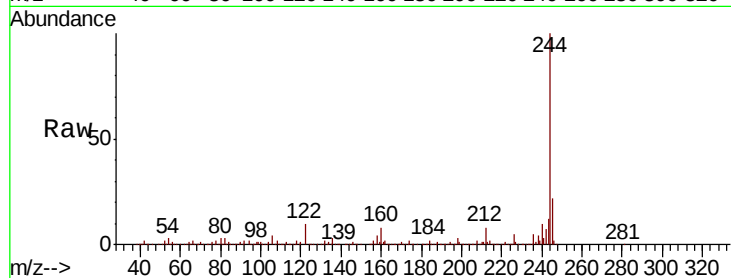
Tot Ion:244 Resp: 980493

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

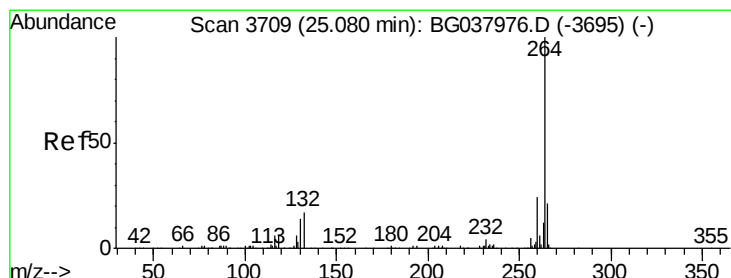
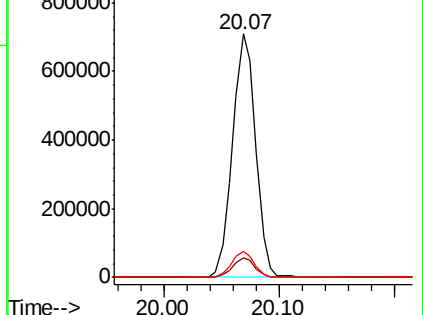
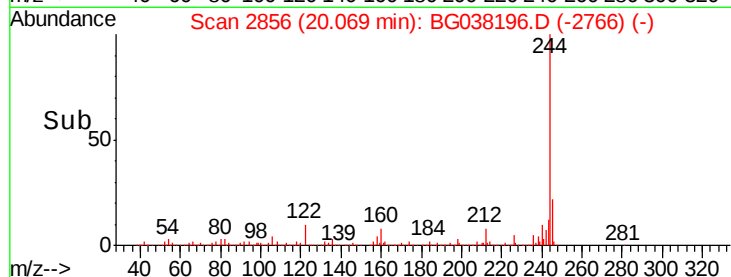
122 10.4 9.0 13.4



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

Perylene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3710

Delta R.T. 0.01 min

Lab File: BG038196.D

Acq: 28 Nov 2018 11:24

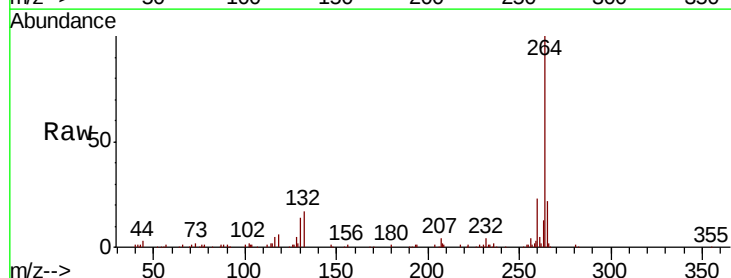
Tgt Ion:264 Resp: 213231

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.4

265 21.5 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

