

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112718\
 Data File : BG038198.D
 Acq On : 28 Nov 2018 12:59
 Operator : JU/SJ
 Sample : J6070-07
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 28 14:32:26 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

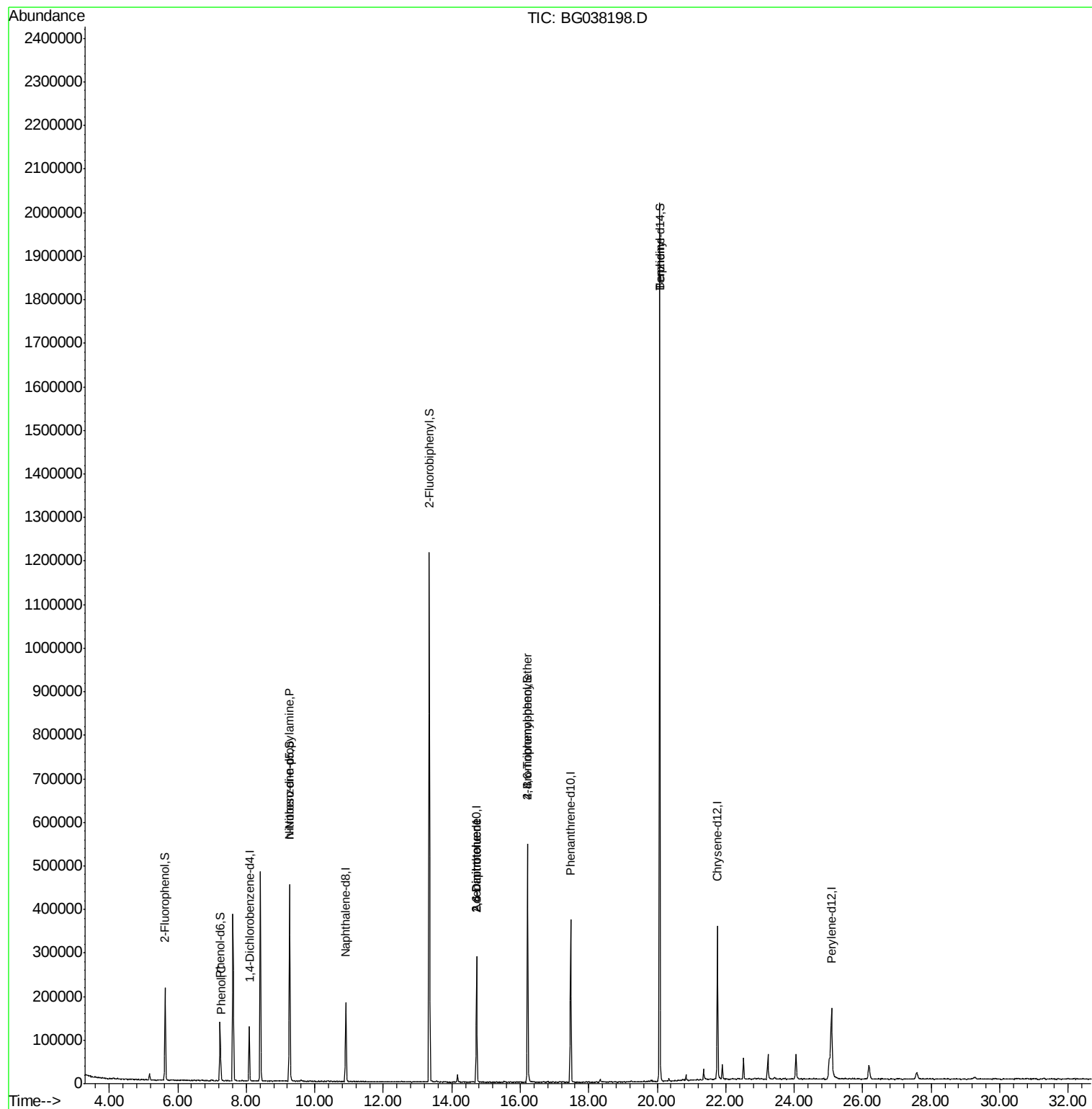
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	35557	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	161586	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	103060	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	234098	20.00	ng	0.00
76) Chrysene-d12	21.75	240	217819	20.00	ng	0.00
87) Perylene-d12	25.08	264	215483	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	95411	46.33	ng	0.00
7) Phenol-d6	7.24	99	83949	28.56	ng	0.00
23) Nitrobenzene-d5	9.26	82	285486	94.58	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	102745	87.41	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	654059	92.46	ng	0.00
79) Terphenyl-d14	20.07	244	960858	103.80	ng	0.00
Target Compounds						
10) Phenol	7.26	94	12042	3.867	ng	94
19) n-Nitroso-di-n-propylamine	9.26	70	37115	17.449	ng	# 74
51) 2,6-Dinitrotoluene	14.72	165	13451	7.274	ng	# 25
57) 2,4-Dinitrotoluene	14.72	165	13451	5.346	ng	# 24
67) 4-Bromophenyl-phenylether	16.21	248	7283	2.834	ng	# 1
77) Benzidine	20.07	184	16945	2.217	ng	# 93

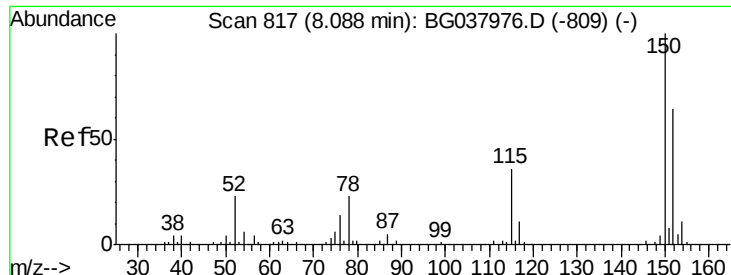
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 13 16:39:28 2018
Response via : Initial Calibration



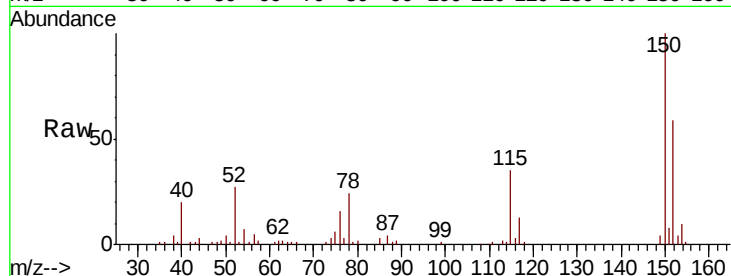


#1

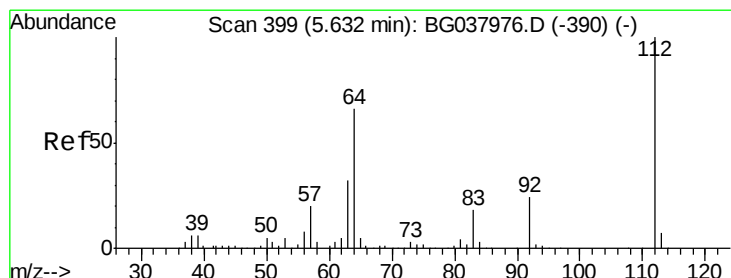
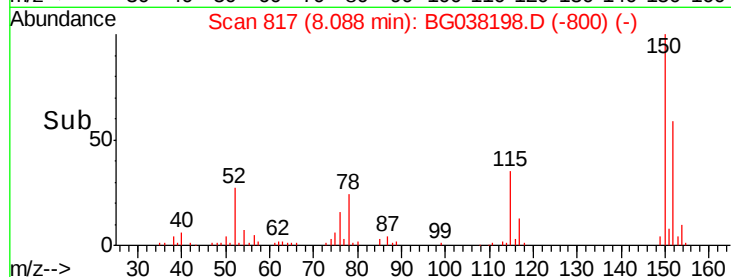
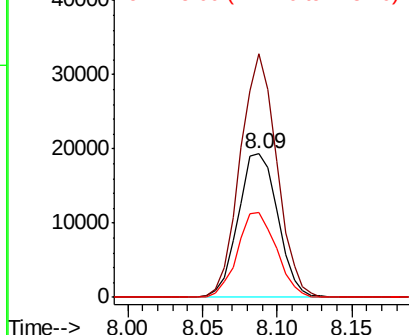
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 817
Delta R.T. -0.00 min
Lab File: BG038198.D
Acq: 28 Nov 2018 12:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 35557
Ion Ratio Lower Upper
152 100
150 169.4 126.0 189.0
115 59.4 45.5 68.3



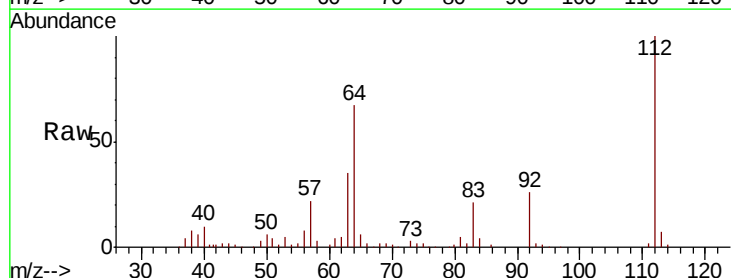
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



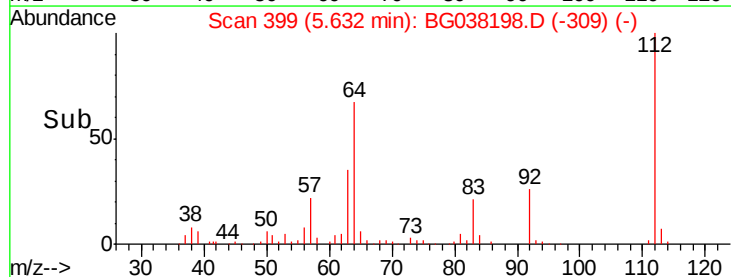
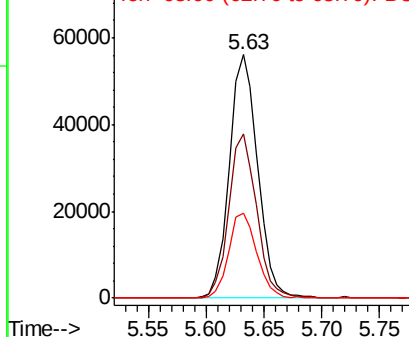
#5

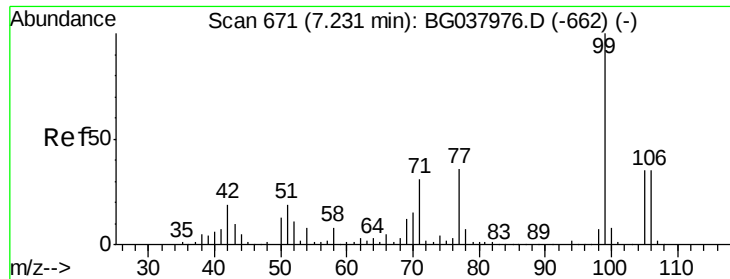
2-Fluorophenol
Concen: 46.329 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG038198.D
Acq: 28 Nov 2018 12:59

Tgt Ion:112 Resp: 95411
Ion Ratio Lower Upper
112 100
64 67.5 53.1 79.7
63 34.7 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: 28.557 ng

RT: 7.24 min Scan# 672

Delta R.T. 0.01 min

Lab File: BG038198.D

Acq: 28 Nov 2018 12:59

Instrument :

BNA_G

ClientSampleId :

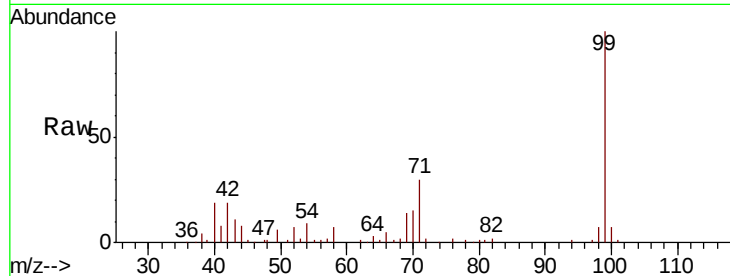
Tot Ion: 99 Resp: 83949

Ion Ratio Lower Upper

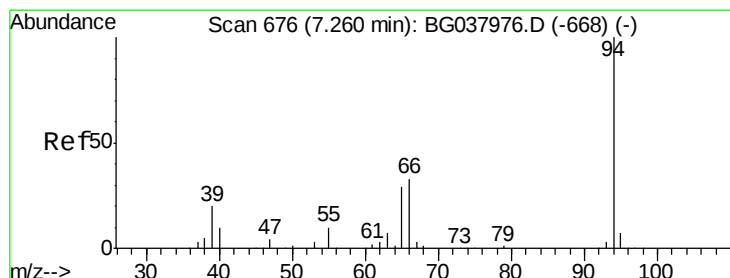
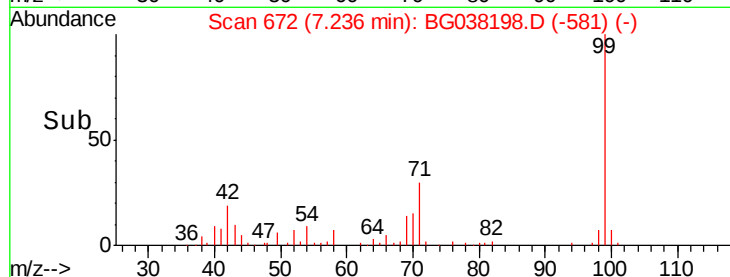
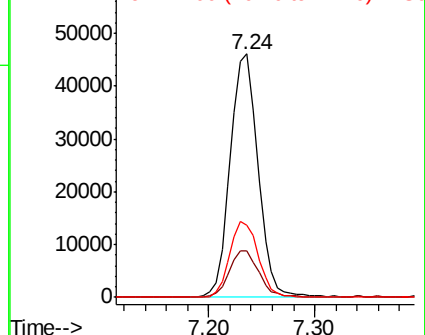
99 100

42 18.9 15.0 22.4

71 29.8 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: 3.867 ng

RT: 7.26 min Scan# 676

Delta R.T. -0.00 min

Lab File: BG038198.D

Acq: 28 Nov 2018 12:59

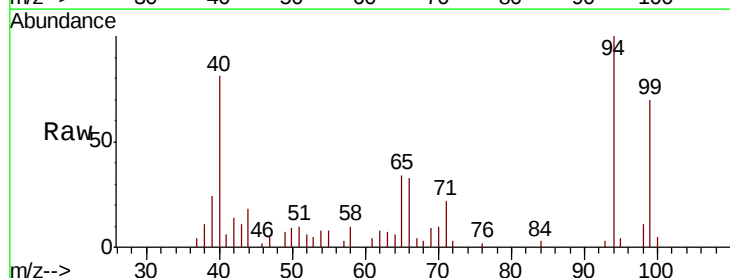
Tgt Ion: 94 Resp: 12042

Ion Ratio Lower Upper

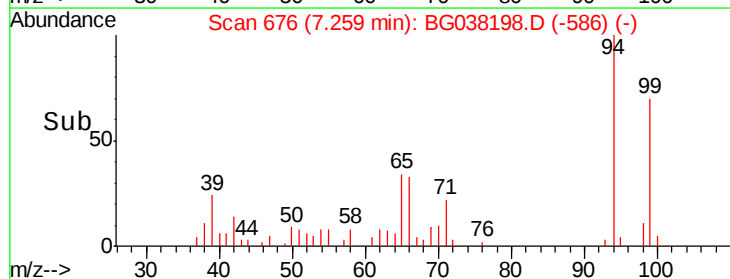
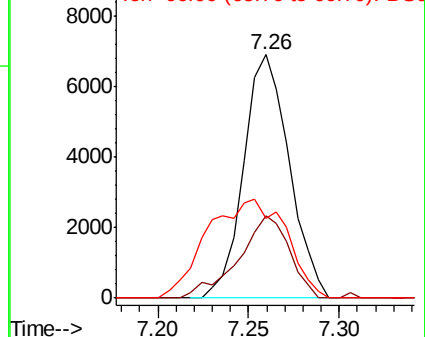
94 100

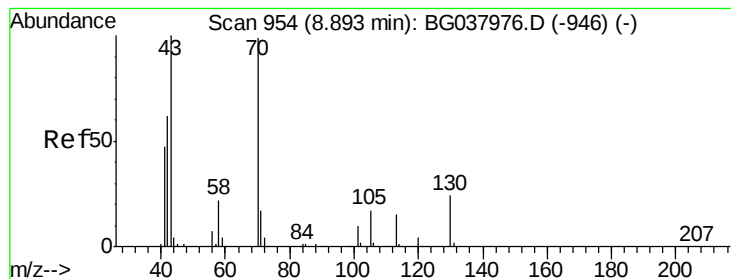
65 33.9 9.7 49.7

66 32.7 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: 17.449 ng

RT: 9.26 min Scan# 1017

Delta R.T. 0.37 min

Lab File: BG038198.D

Acq: 28 Nov 2018 12:59

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 37115

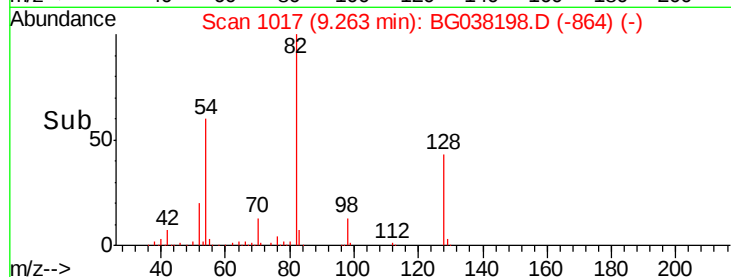
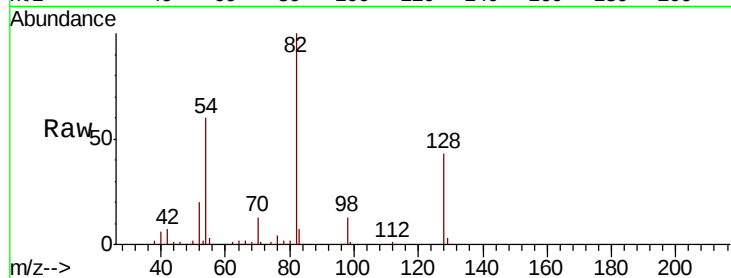
Ion Ratio Lower Upper

70 100

42 52.1 53.9 80.9#

101 0.0 8.2 12.2#

130 1.5 18.2 27.4#



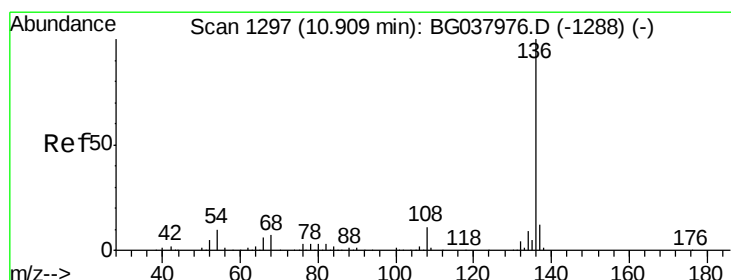
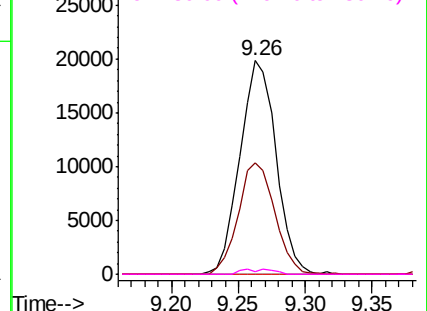
Abundance

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: 10.91 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BG038198.D

Acq: 28 Nov 2018 12:59

Tgt Ion: 136 Resp: 161586

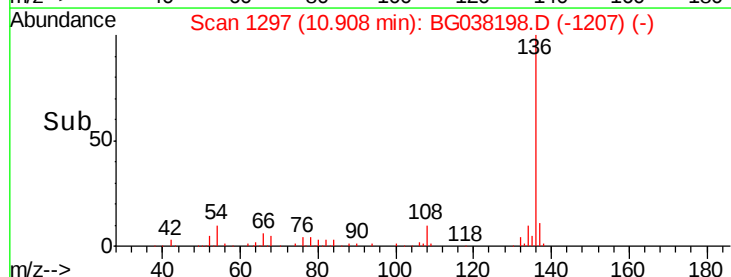
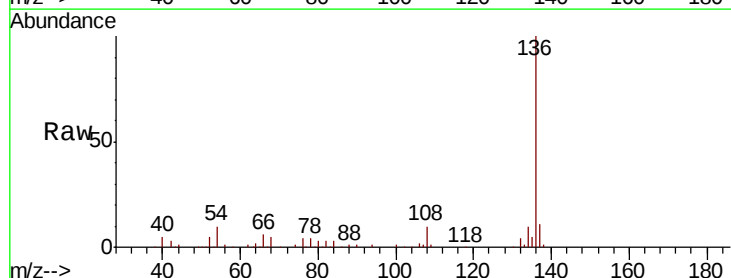
Ion Ratio Lower Upper

136 100

137 10.9 9.6 14.4

54 10.4 7.9 11.9

68 5.4 4.8 7.2



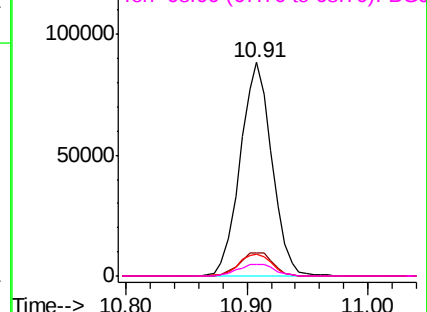
Abundance

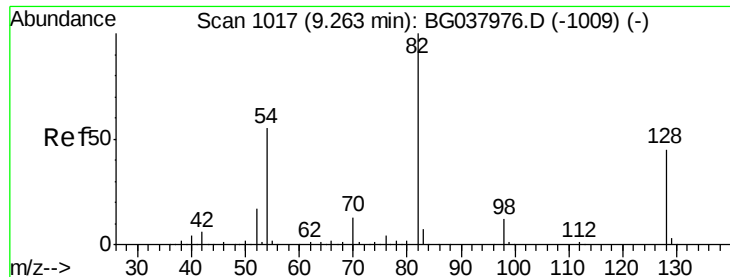
Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

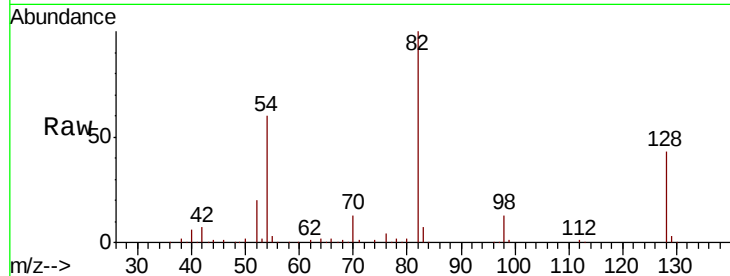




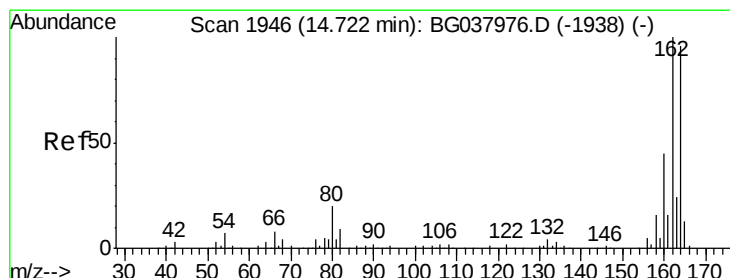
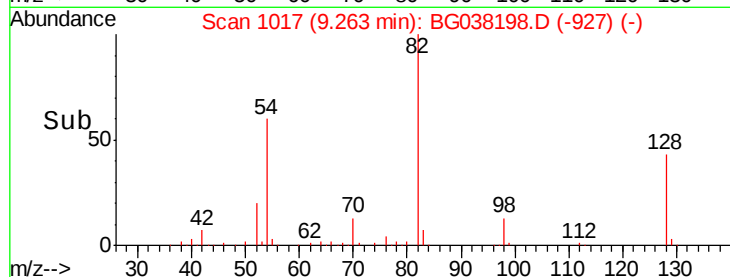
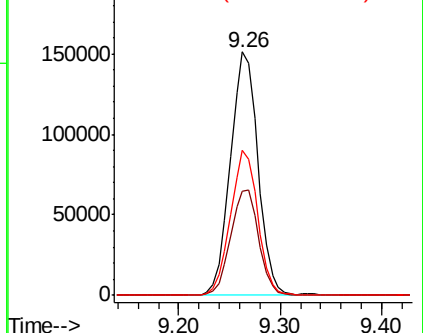
#23
 Nitrobenzene-d5
 Concen: 94.576 ng
 RT: 9.26 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: BG038198.D
 Acq: 28 Nov 2018 12:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	285486
Ion Ratio	Lower	Upper	
82	100		
128	42.5	34.6	51.8
54	59.5	45.3	67.9

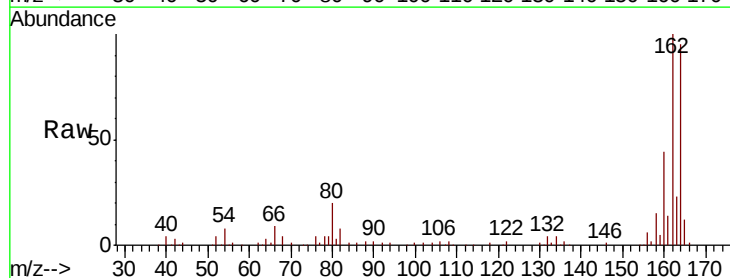


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

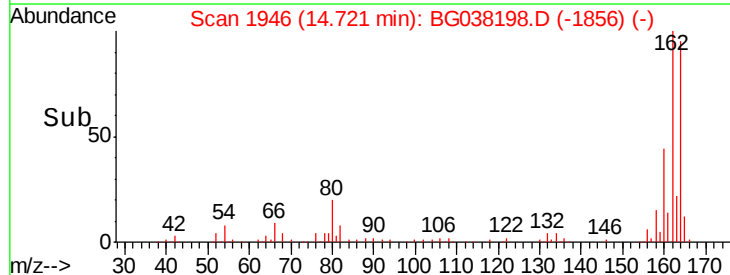
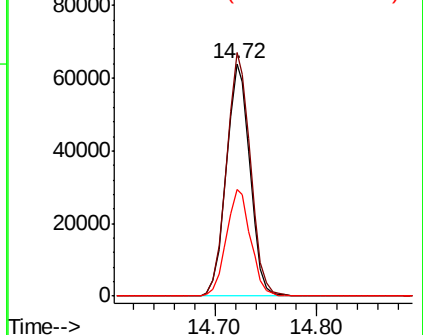


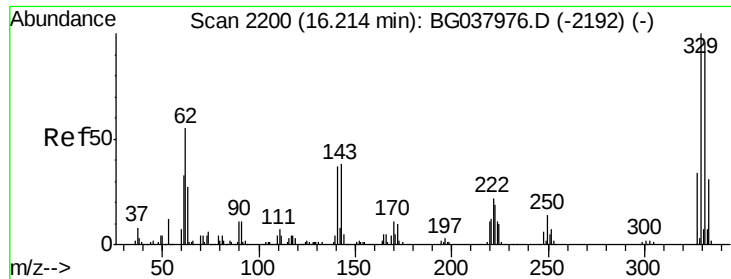
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: BG038198.D
 Acq: 28 Nov 2018 12:59

Tgt Ion	164	Resp	103060
Ion Ratio	Lower	Upper	
164	100		
162	104.9	81.3	121.9
160	45.8	36.3	54.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

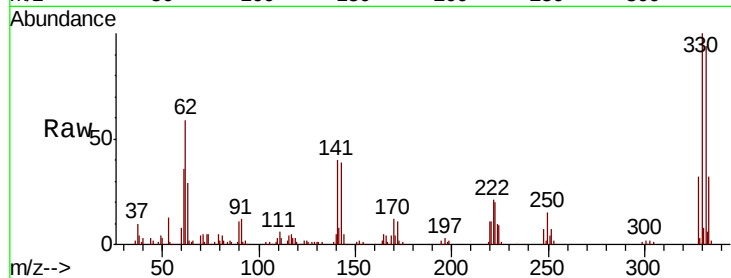




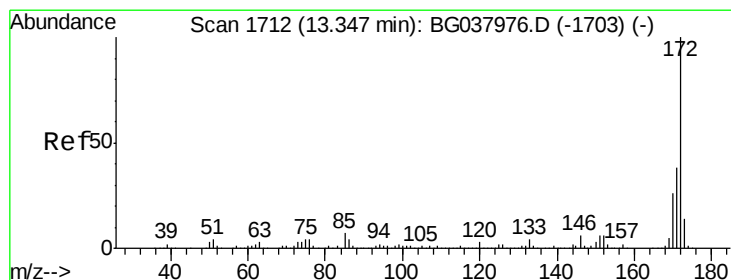
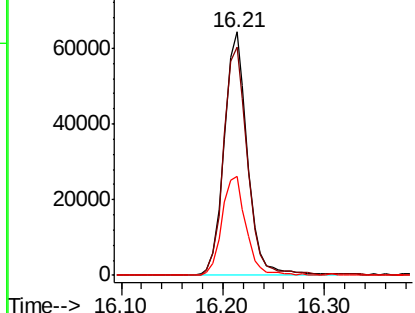
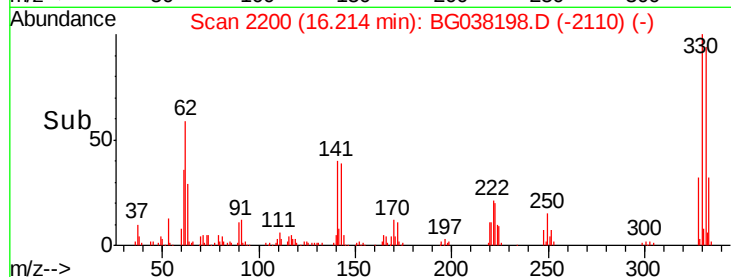
#42
 2,4,6-Tribromophenol
 Concen: 87.415 ng
 RT: 16.21 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: BG038198.D
 Acq: 28 Nov 2018 12:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.4	117.6
141	41.9	32.2	48.2

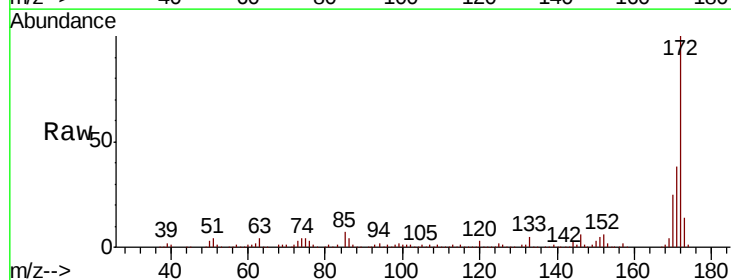


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

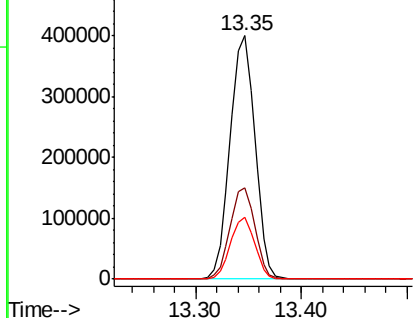
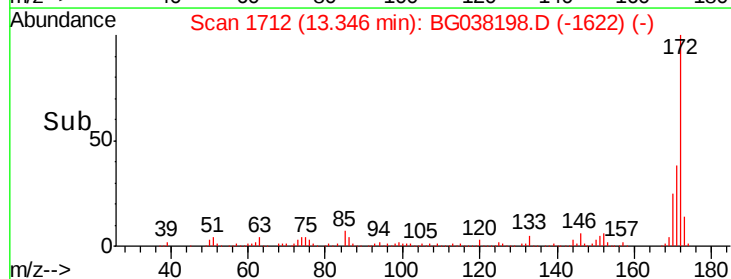


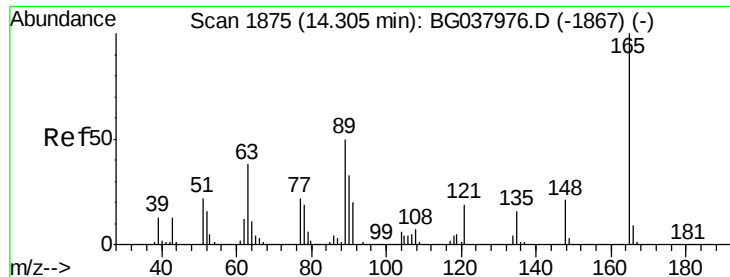
#45
 2-Fluorobiphenyl
 Concen: 92.457 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: BG038198.D
 Acq: 28 Nov 2018 12:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	31.0	46.4
170	25.2	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

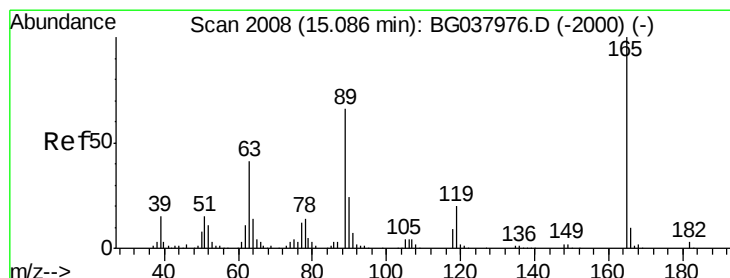
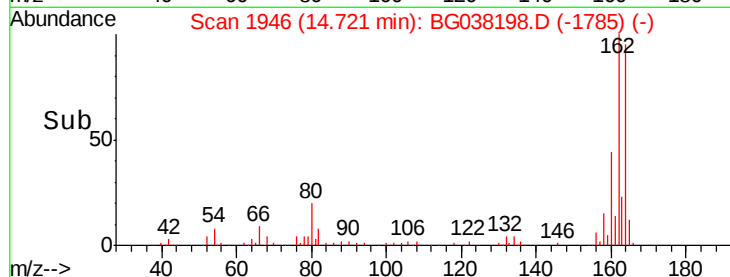
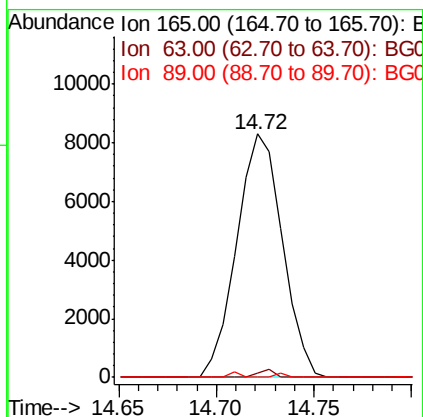
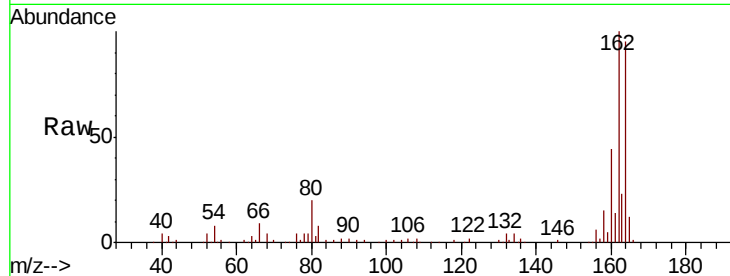




#51
 2,6-Dinitrotoluene
 Concen: 7.274 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. 0.42 min
 Lab File: BG038198.D
 Acq: 28 Nov 2018 12:59

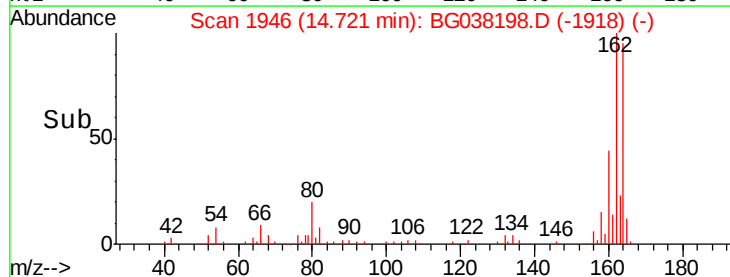
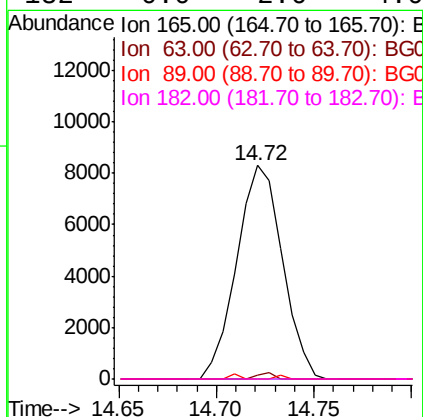
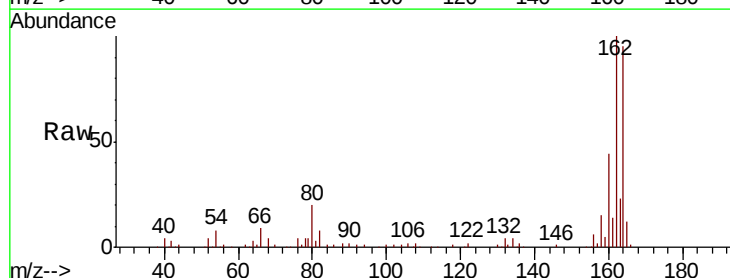
Instrument :
 BNA_G
 ClientSampled :

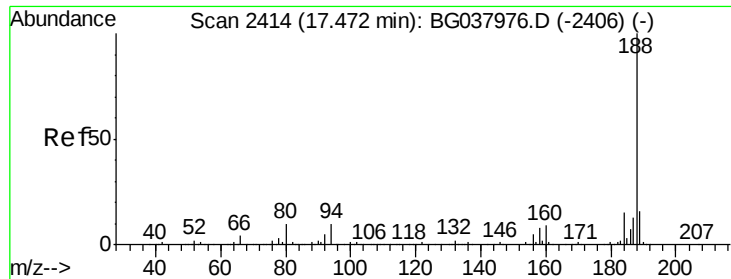
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	43.4	65.2#
89	0.0	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.346 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. -0.36 min
 Lab File: BG038198.D
 Acq: 28 Nov 2018 12:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	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: 17.47 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BG038198.D

Acq: 28 Nov 2018 12:59

Instrument :

BNA_G

ClientSampleId :

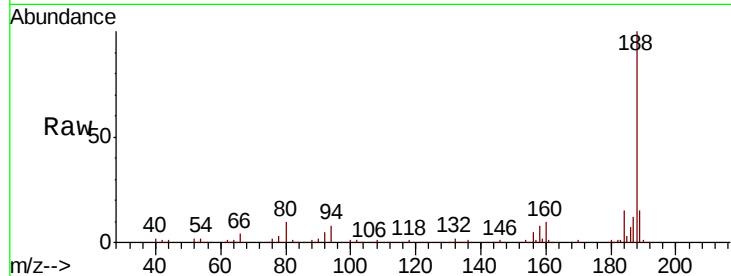
Tot Ion:188 Resp: 234098

Ion Ratio Lower Upper

188 100

94 8.1 7.2 10.8

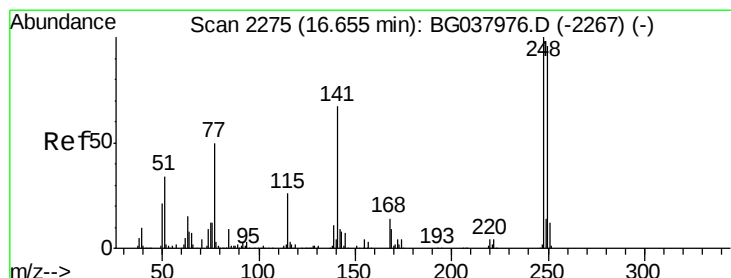
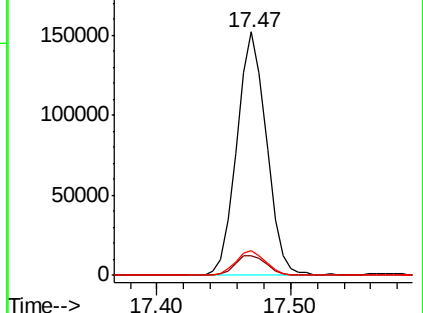
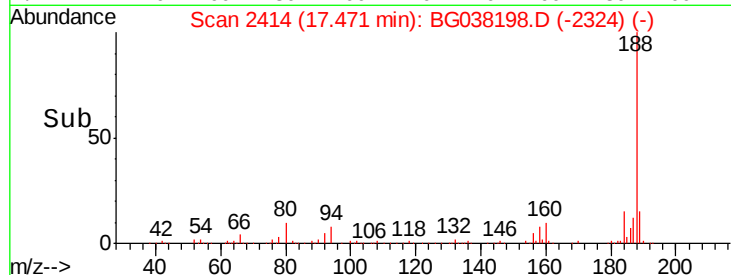
80 10.0 7.7 11.5



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: 2.834 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.44 min

Lab File: BG038198.D

Acq: 28 Nov 2018 12:59

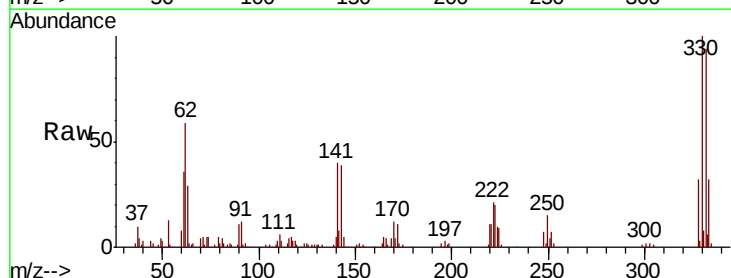
Tgt Ion:248 Resp: 7283

Ion Ratio Lower Upper

248 100

250 203.2 77.0 115.6#

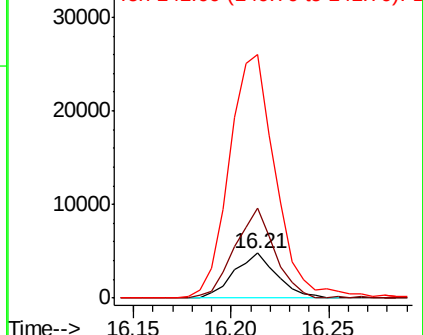
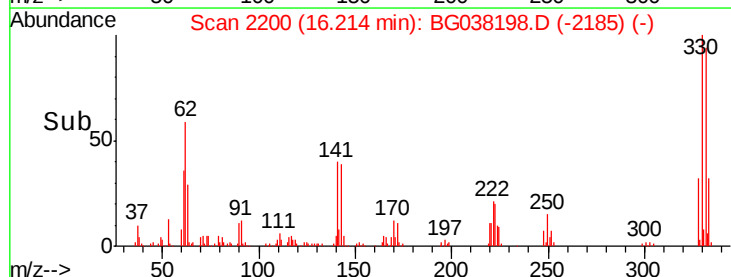
141 429.4 55.5 83.3#

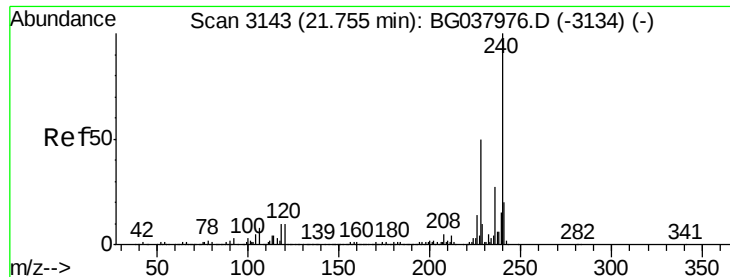


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

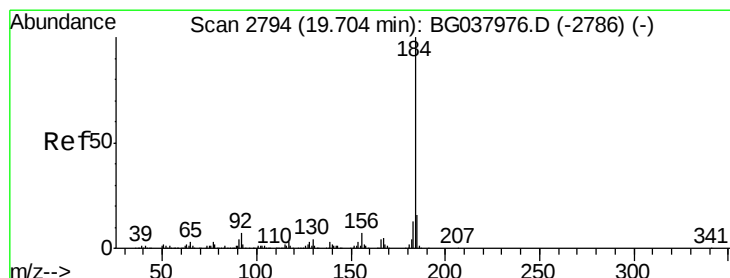
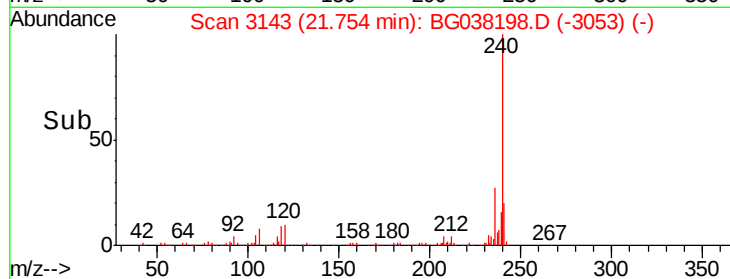
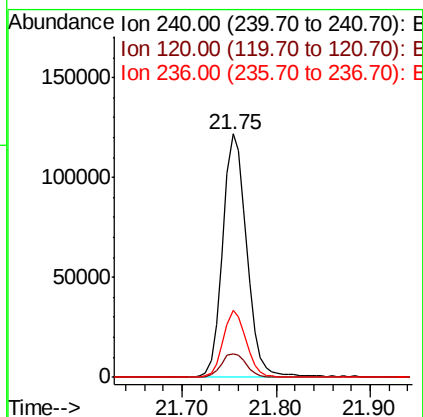
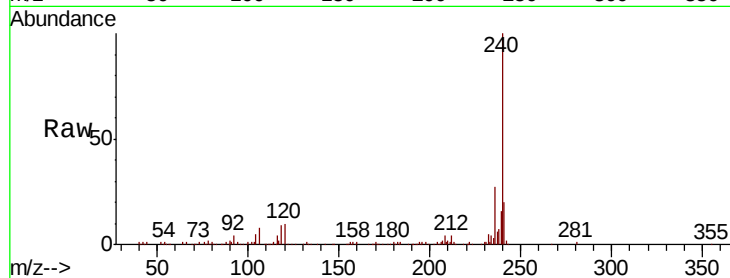




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3143
Delta R.T. -0.00 min
Lab File: BG038198.D
Acq: 28 Nov 2018 12:59

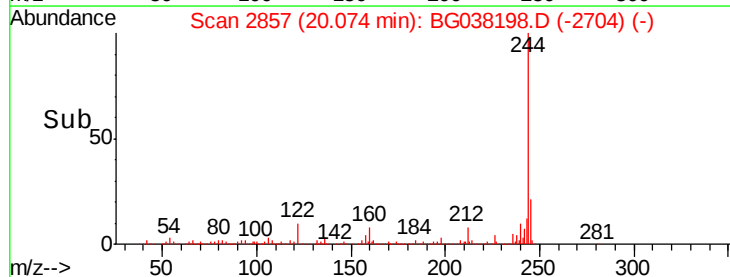
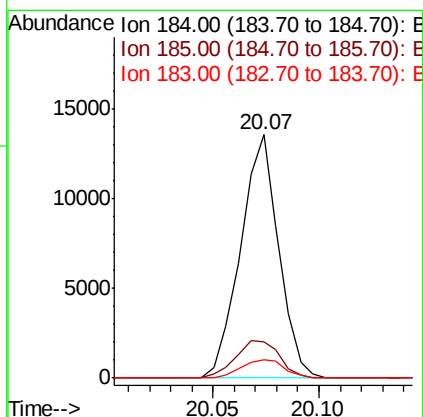
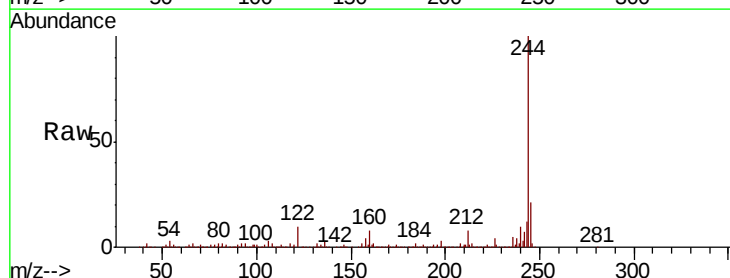
Instrument :
BNA_G
ClientSampleId :

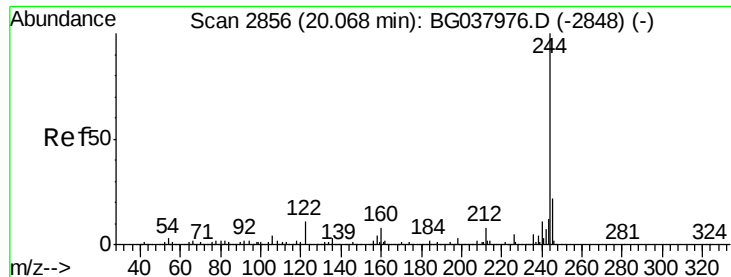
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.1	12.1
236	27.4	21.4	32.0



#77
Benzidine
Concen: 2.217 ng
RT: 20.07 min Scan# 2857
Delta R.T. 0.37 min
Lab File: BG038198.D
Acq: 28 Nov 2018 12:59

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.8	12.6	18.8
183	7.7	10.2	15.2#





#79

Terphenyl-d14

Concen: 103.798 ng

RT: 20.07 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BG038198.D

Acq: 28 Nov 2018 12:59

Instrument :

BNA_G

ClientSampleId :

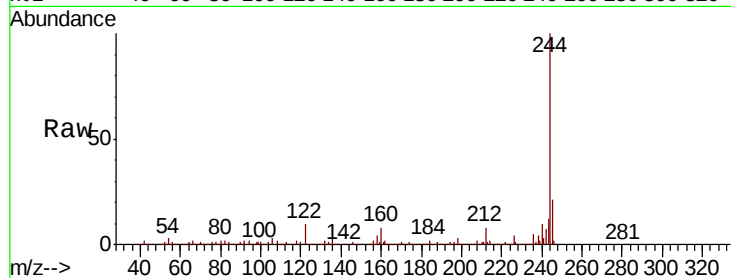
Tot Ion:244 Resp: 960858

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

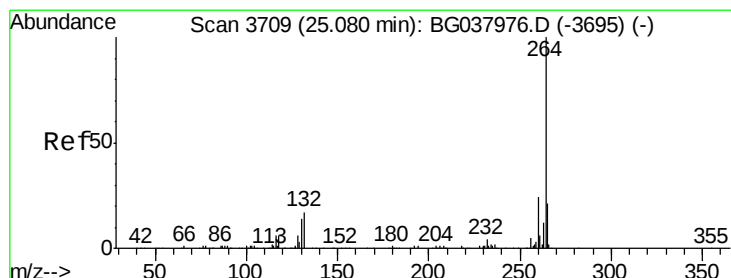
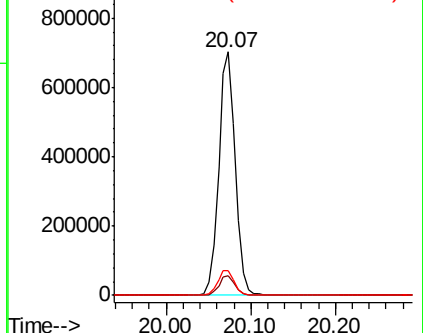
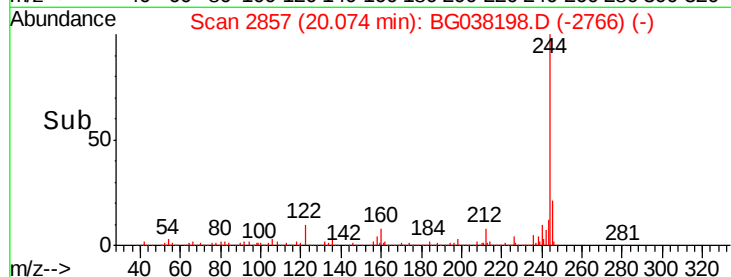
122 10.2 9.0 13.4



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: BG038198.D

Acq: 28 Nov 2018 12:59

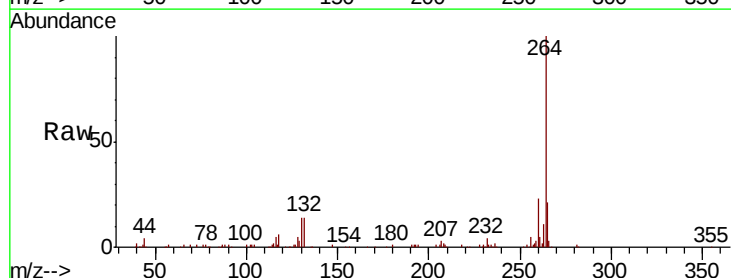
Tgt Ion:264 Resp: 215483

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.4

265 21.4 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

