

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121518\
 Data File : BG038633.D
 Acq On : 16 Dec 2018 10:07
 Operator : JU/SJ
 Sample : J6378-07
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 02:30:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

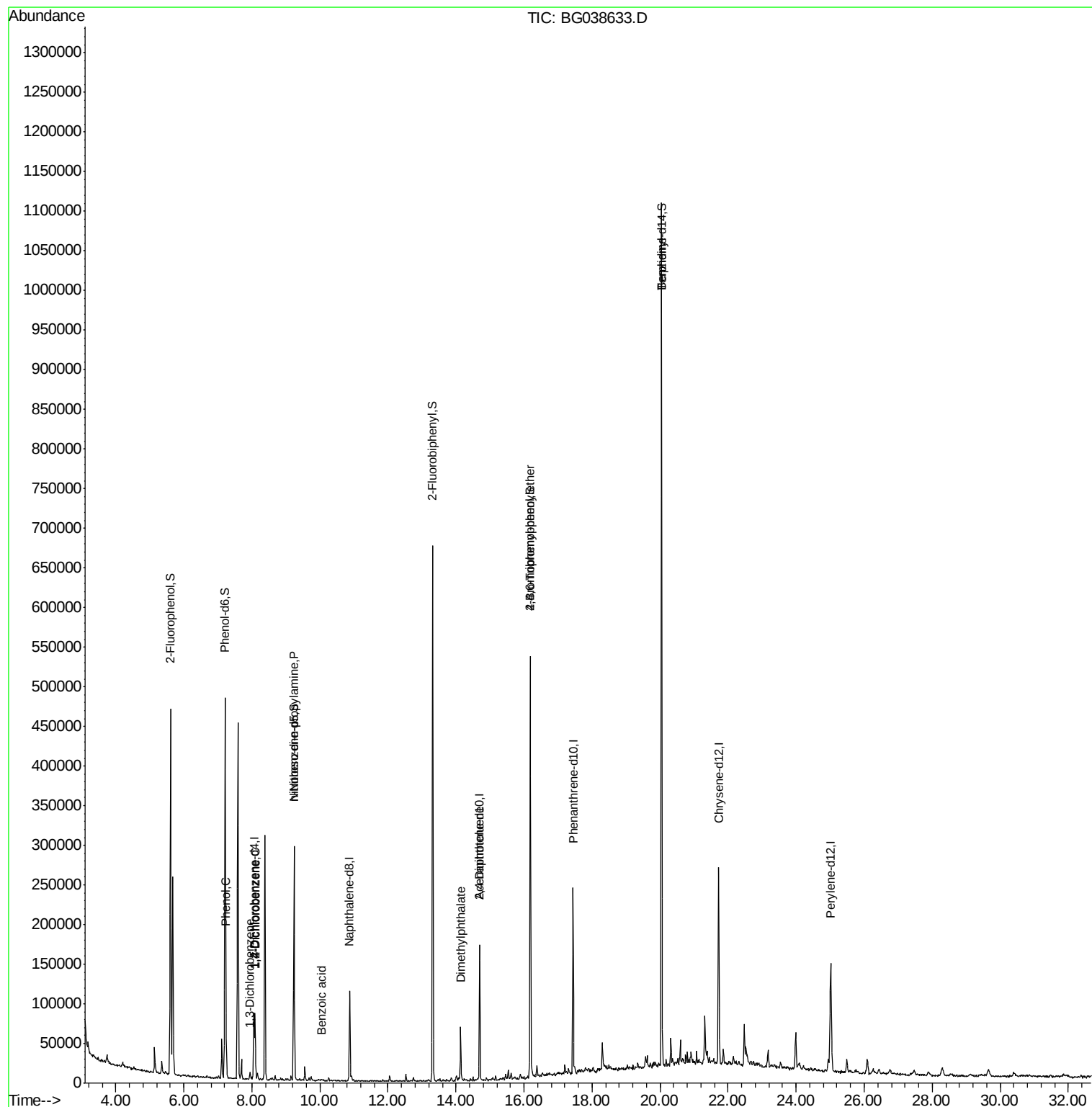
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	23043	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	98877	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	61814	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	145681	20.00	ng	0.00
76) Chrysene-d12	21.72	240	147672	20.00	ng	0.00
87) Perylene-d12	25.01	264	165868	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	199830	153.81	ng	0.00
7) Phenol-d6	7.22	99	266304	149.31	ng	0.00
23) Nitrobenzene-d5	9.24	82	174641	90.23	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	106722	125.27	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	348241	77.29	ng	0.00
79) Terphenyl-d14	20.04	244	536776	79.11	ng	0.00
Target Compounds						
10) Phenol	7.24	94	17508	9.240	ng	80
12) 1,3-Dichlorobenzene	7.95	146	3901	2.194	ng	94
13) 1,4-Dichlorobenzene	8.10	146	34713	19.067	ng	95
14) 1,2-Dichlorobenzene	8.10	146	34713	20.225	ng	91
19) n-Nitroso-di-n-propylamine	9.24	70	23279	18.584	ng	# 73
32) Benzoic acid	10.05	122	58	10.214	ng	# 1
50) Dimethylphthalate	14.14	163	45329	8.980	ng	# 96
57) 2,4-Dinitrotoluene	14.69	165	8323	5.166	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	7192	4.042	ng	# 1
77) Benzidine	20.04	184	10076	2.307	ng	96

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

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Response via : Initial Calibration



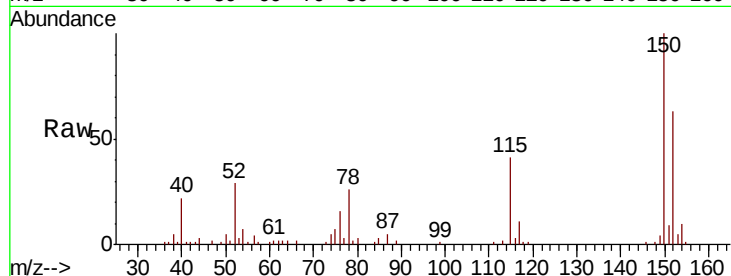


#1

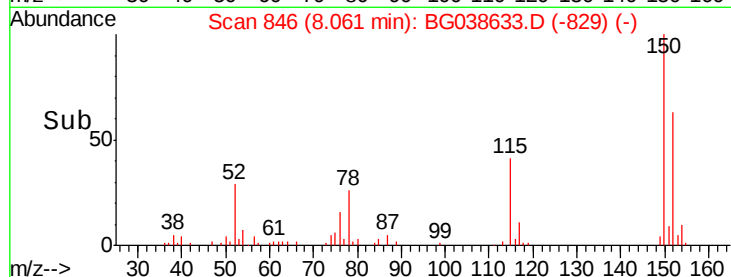
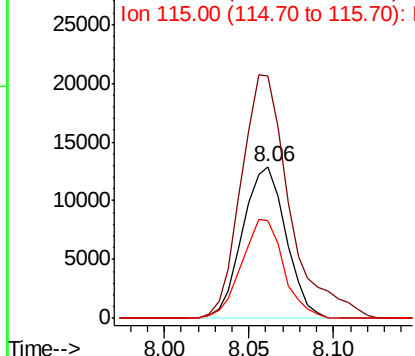
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. 0.00 min
Lab File: BG038633.D
Acq: 16 Dec 2018 10:07

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 23043
Ion Ratio Lower Upper
152 100
150 159.8 119.5 179.3
115 64.8 49.6 74.4



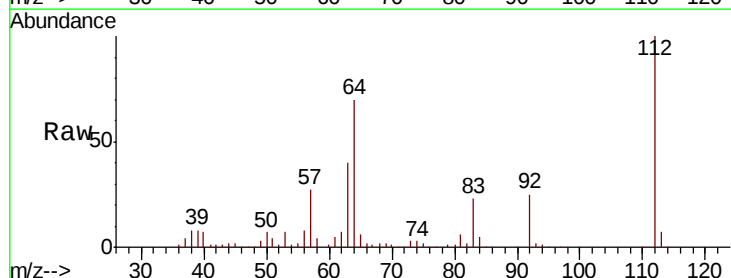
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



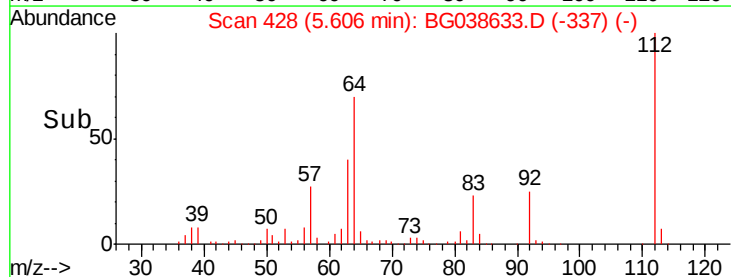
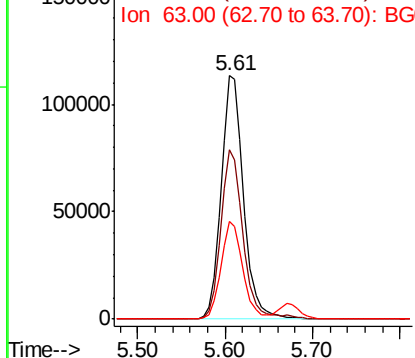
#5

2-Fluorophenol
Concen: 153.812 ng
RT: 5.61 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG038633.D
Acq: 16 Dec 2018 10:07

Tgt Ion:112 Resp: 199830
Ion Ratio Lower Upper
112 100
64 69.5 53.4 80.2
63 40.2 29.3 43.9



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: 149.313 ng

RT: 7.22 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038633.D

Acq: 16 Dec 2018 10:07

Instrument :

BNA_G

ClientSampled :

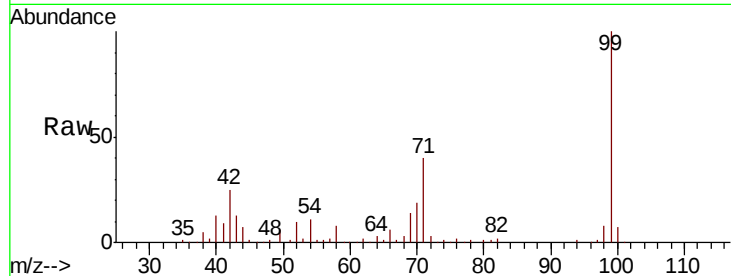
Tot Ion: 99 Resp: 266304

Ion Ratio Lower Upper

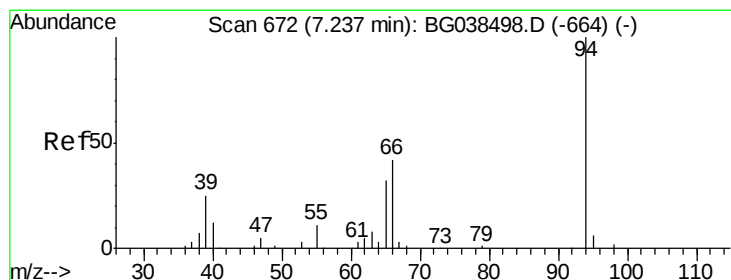
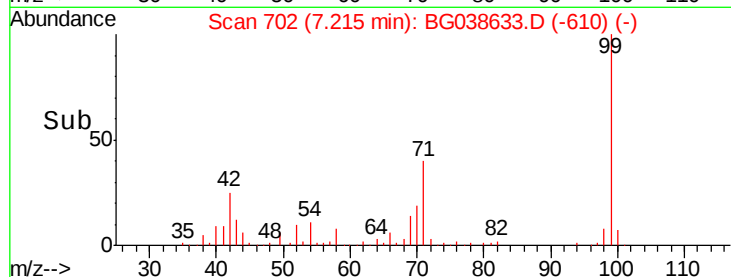
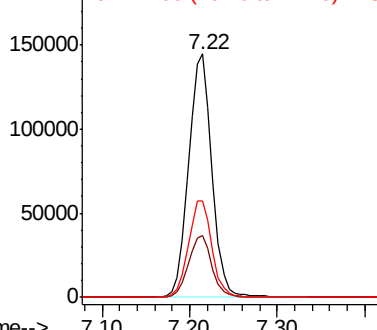
99 100

42 25.5 18.5 27.7

71 39.8 31.1 46.7



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: 9.240 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG038633.D

Acq: 16 Dec 2018 10:07

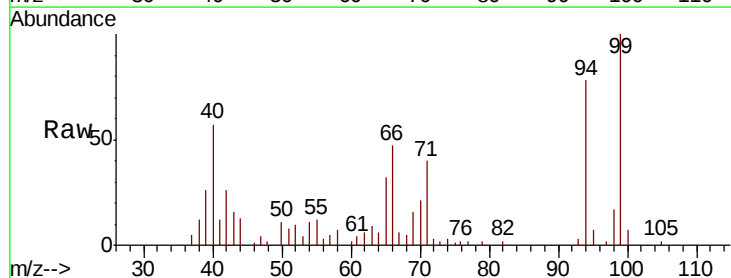
Tgt Ion: 94 Resp: 17508

Ion Ratio Lower Upper

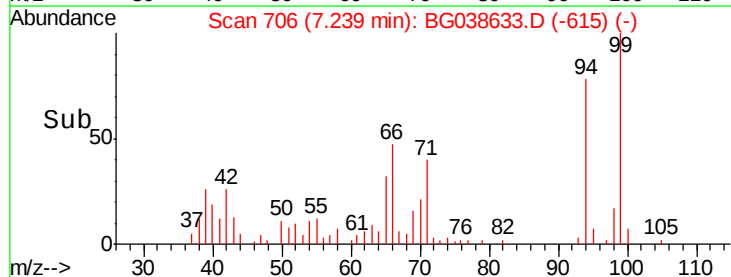
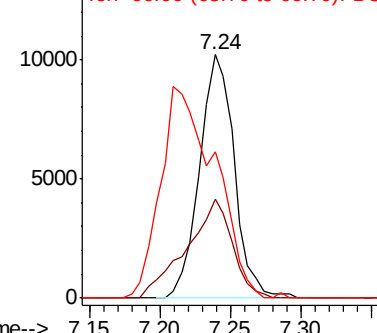
94 100

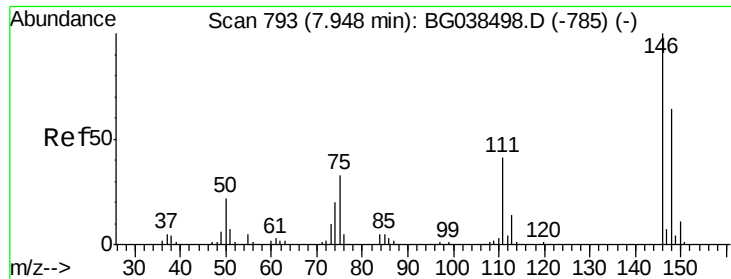
65 40.5 12.6 52.6

66 60.0 24.1 64.1



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

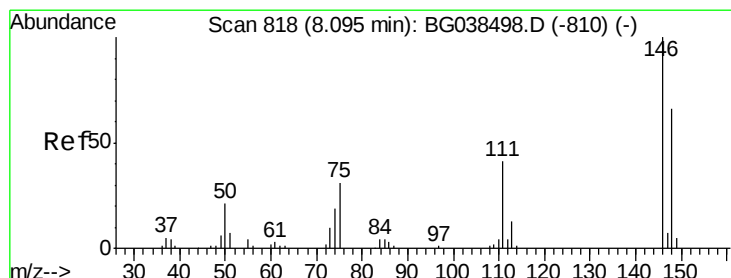
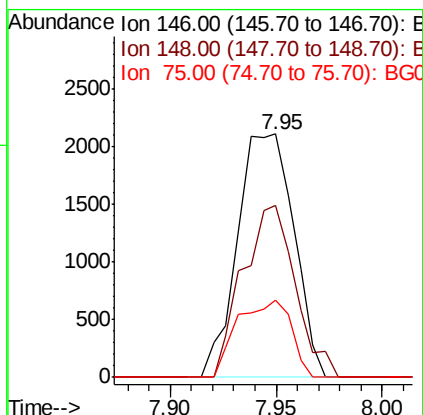
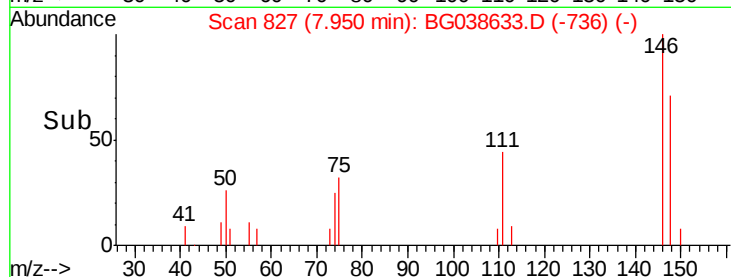
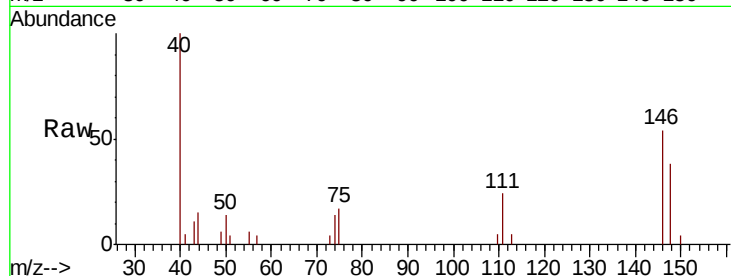




#12
 1,3-Dichlorobenzene
 Concen: 2.194 ng
 RT: 7.95 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: BG038633.D
 Acq: 16 Dec 2018 10:07

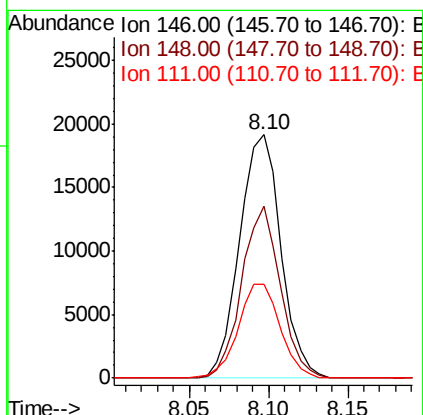
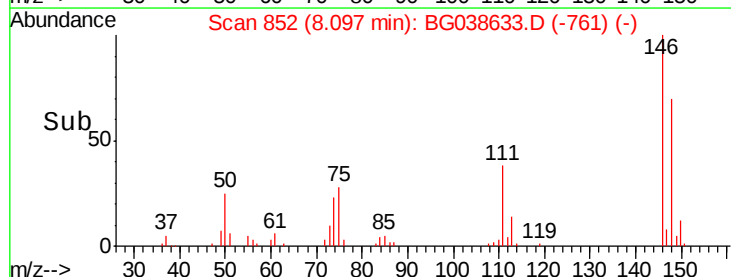
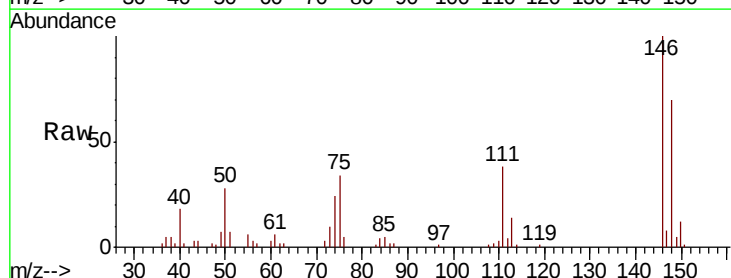
Instrument :
 BNA_G
 ClientSampled :

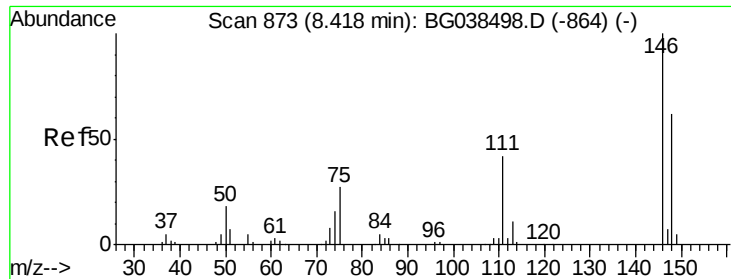
Tot Ion:146 Resp: 3901
 Ion Ratio Lower Upper
 146 100
 148 70.9 51.4 77.0
 75 32.0 26.1 39.1



#13
 1,4-Dichlorobenzene
 Concen: 19.067 ng
 RT: 8.10 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: BG038633.D
 Acq: 16 Dec 2018 10:07

Tgt Ion:146 Resp: 34713
 Ion Ratio Lower Upper
 146 100
 148 70.4 52.4 78.6
 111 38.5 33.0 49.4

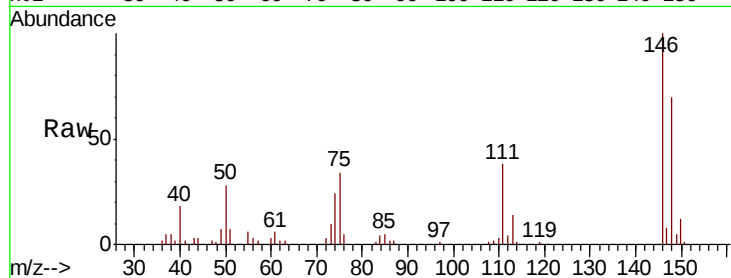




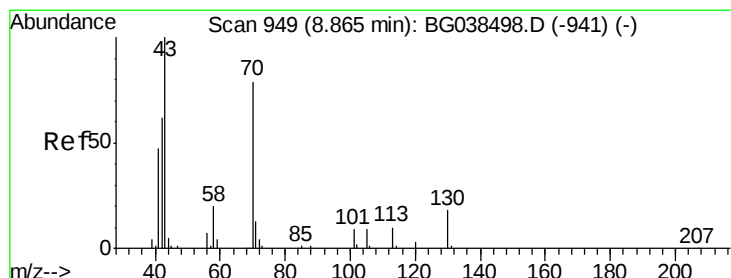
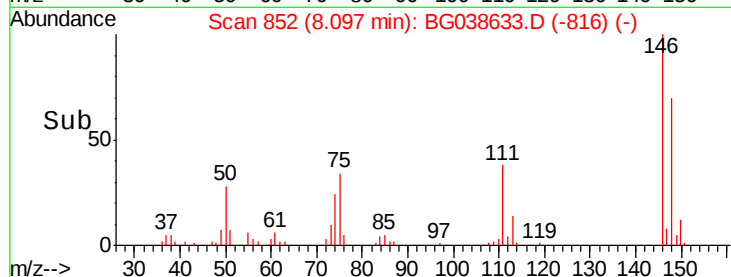
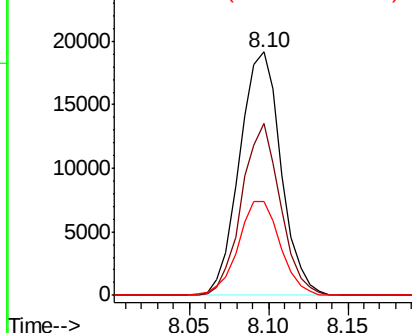
#14
1,2-Dichlorobenzene
Concen: 20.225 ng
RT: 8.10 min Scan# 852
Delta R.T. -0.32 min
Lab File: BG038633.D
Acq: 16 Dec 2018 10:07

Instrument :
BNA_G
ClientSampled :

Tot Ion:146 Resp: 34713
Ion Ratio Lower Upper
146 100
148 70.4 49.4 74.0
111 38.5 33.8 50.6

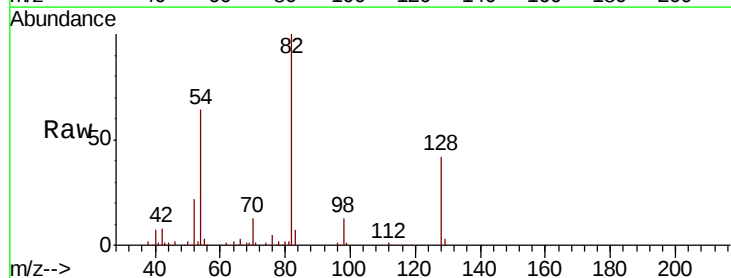


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

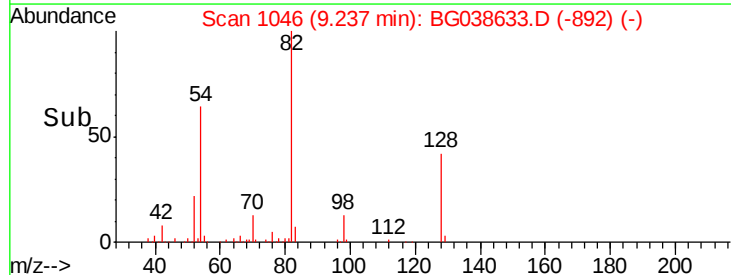
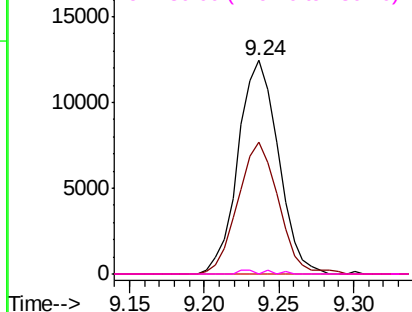


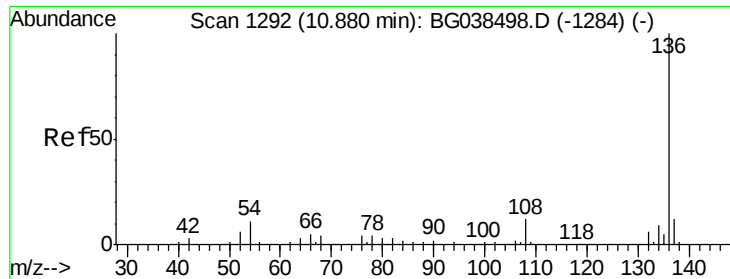
#19
n-Nitroso-di-n-propylamine
Concen: 18.584 ng
RT: 9.24 min Scan# 1046
Delta R.T. 0.37 min
Lab File: BG038633.D
Acq: 16 Dec 2018 10:07

Tgt Ion: 70 Resp: 23279
Ion Ratio Lower Upper
70 100
42 61.8 63.6 95.4#
101 0.0 9.2 13.8#
130 0.0 18.5 27.7#



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

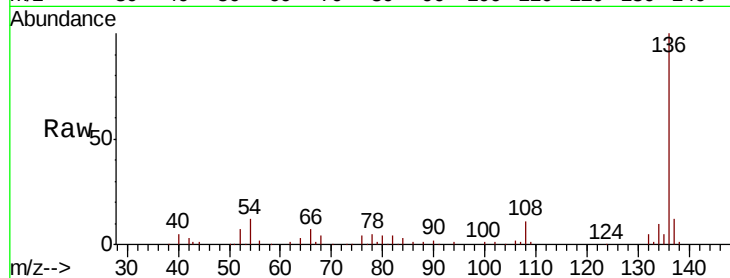




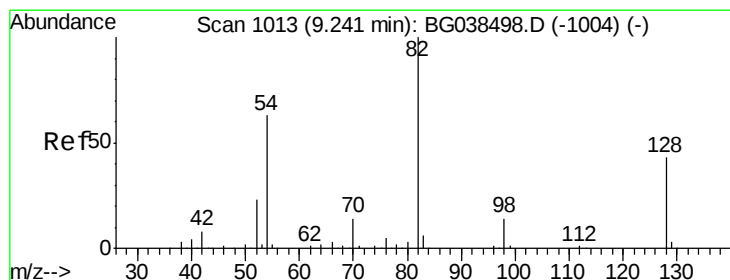
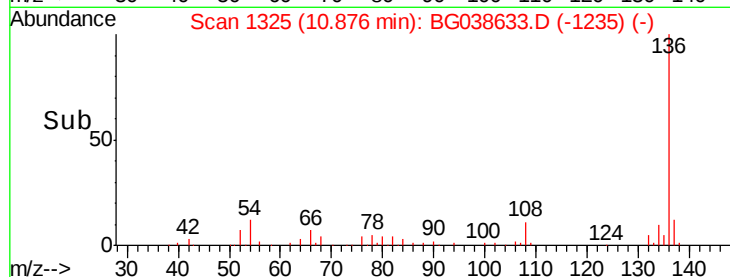
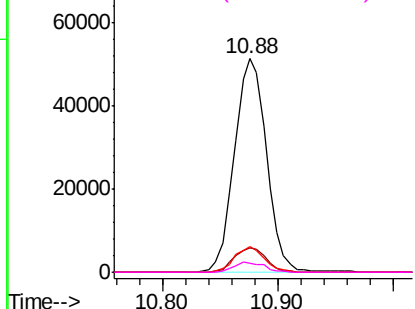
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BG038633.D
Acq: 16 Dec 2018 10:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	98877
Ion	Ratio	Lower Upper
136	100	
137	11.6	9.3 13.9
54	12.2	8.5 12.7
68	4.2	3.5 5.3

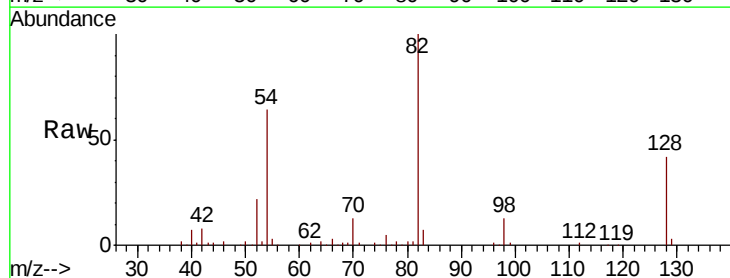


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

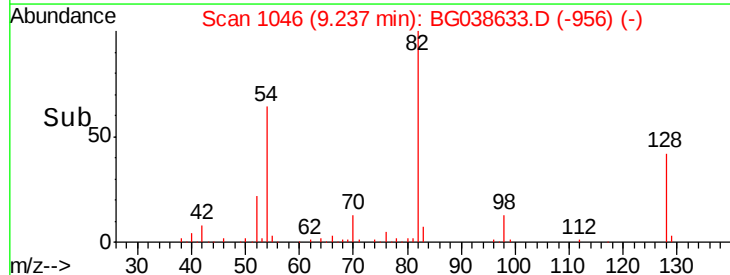
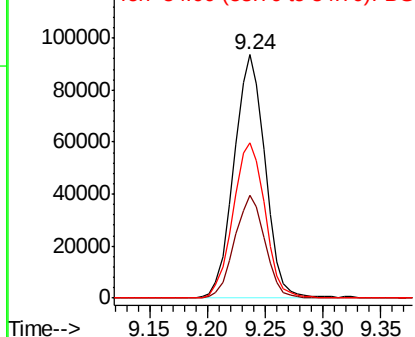


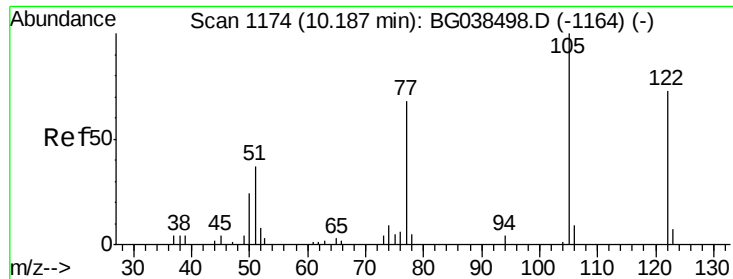
#23
Nitrobenzene-d5
Concen: 90.232 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG038633.D
Acq: 16 Dec 2018 10:07

Tgt Ion: 82	Resp:	174641
Ion	Ratio	Lower Upper
82	100	
128	42.1	34.6 52.0
54	63.6	50.6 76.0



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





#32

Benzoic acid

Concen: 10.214 ng

RT: 10.05 min Scan# 1185

Delta R.T. -0.13 min

Lab File: BG038633.D

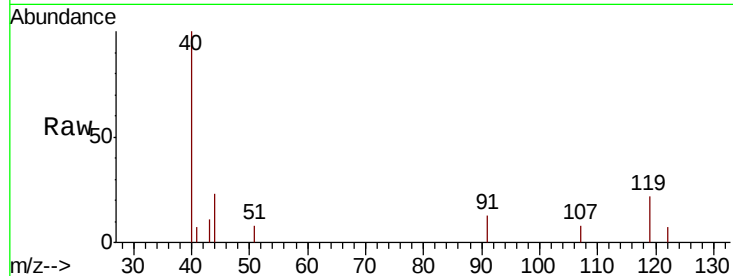
Acq: 16 Dec 2018 10:07

Instrument :

BNA_G

ClientSampleId :

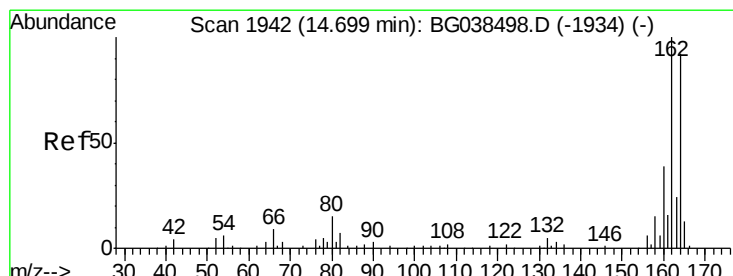
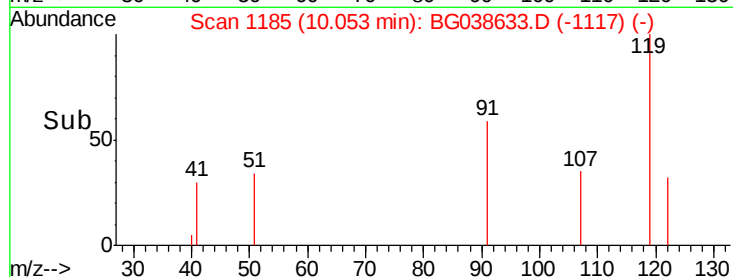
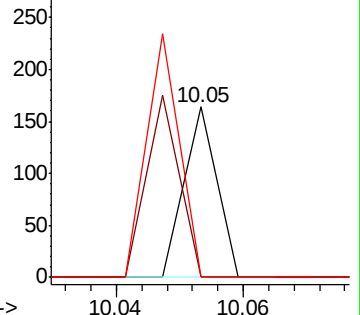
Tot Ion:	122	Resp:	58
Ion	Ratio	Lower	Upper
122	100		
105	0.0	116.7	156.7#
77	0.0	72.5	112.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

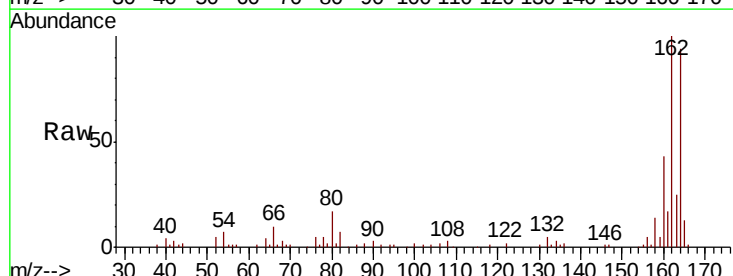
RT: 14.69 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BG038633.D

Acq: 16 Dec 2018 10:07

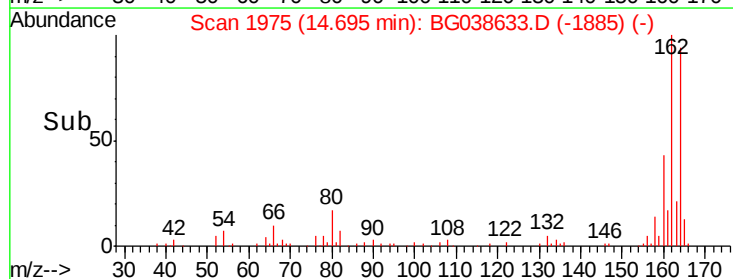
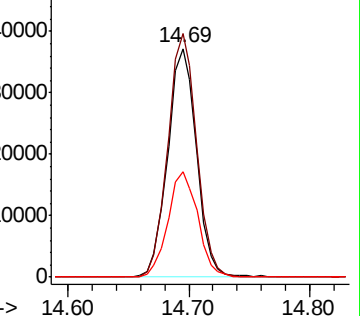
Tgt Ion:	164	Resp:	61814
Ion	Ratio	Lower	Upper
164	100		
162	106.6	86.6	130.0
160	46.3	34.2	51.2

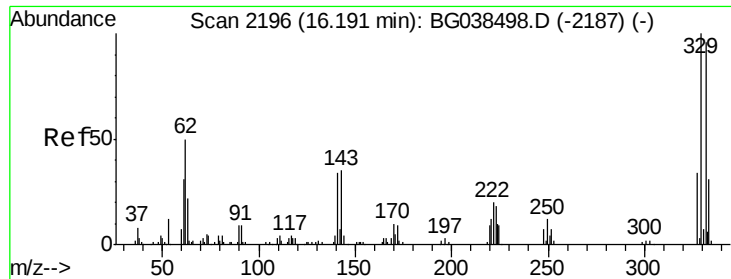


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

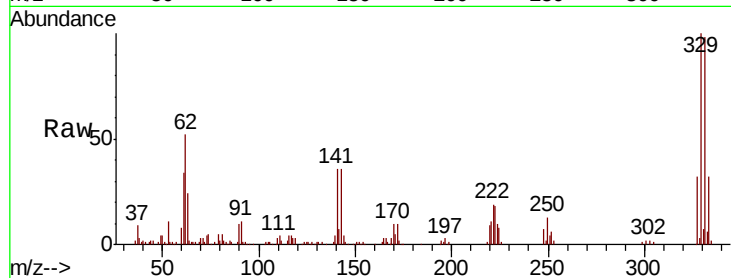




#42
 2,4,6-Tribromophenol
 Concen: 125.274 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.00 min
 Lab File: BG038633.D
 Acq: 16 Dec 2018 10:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.9	115.3
141	38.6	28.8	43.2

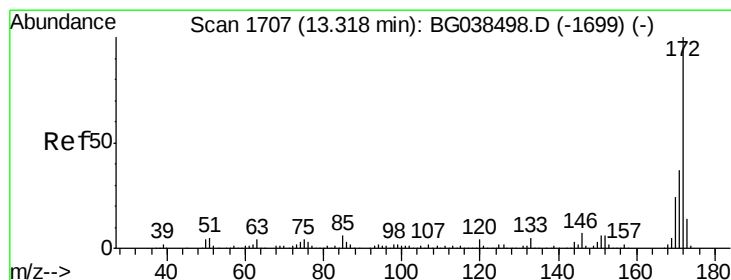
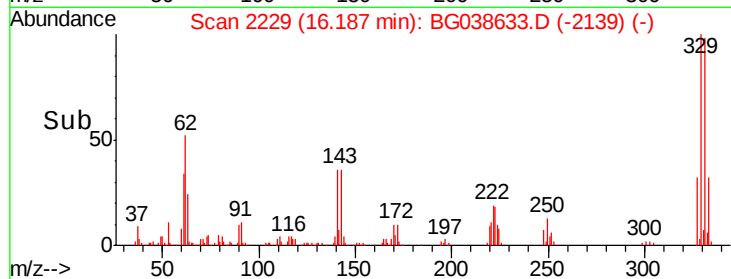
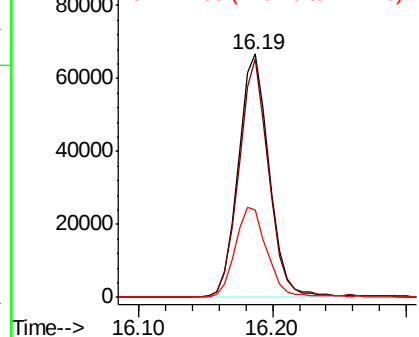


Abundance

Ion 329.80 (329.50 to 330.50): E

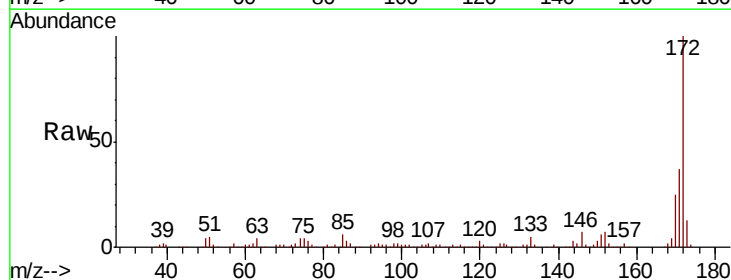
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 77.286 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BG038633.D
 Acq: 16 Dec 2018 10:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.8	44.6
170	24.9	19.5	29.3

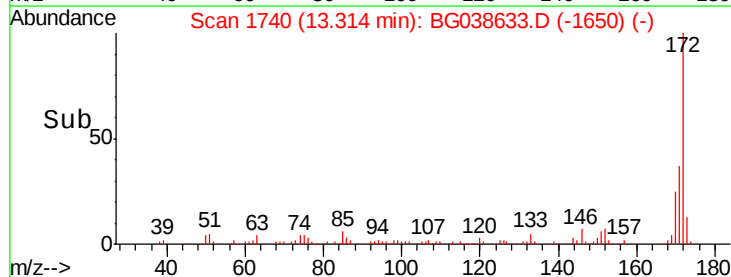
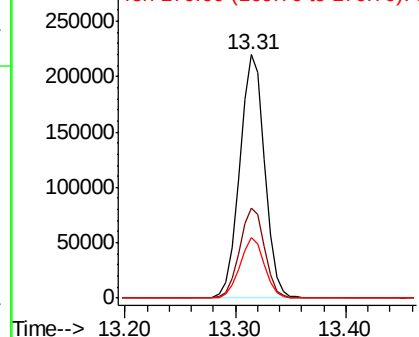


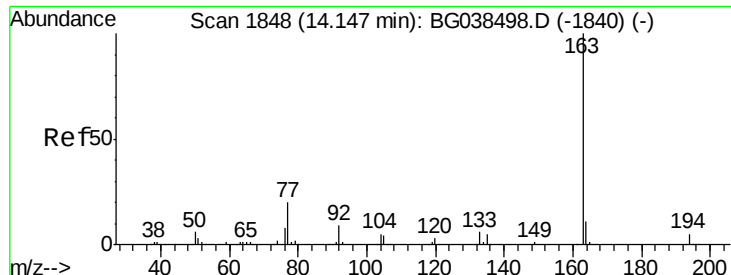
Abundance

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





#50

Dimethylphthalate

Concen: 8.980 ng

RT: 14.14 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BG038633.D

Acq: 16 Dec 2018 10:07

Instrument :

BNA_G

ClientSampleId :

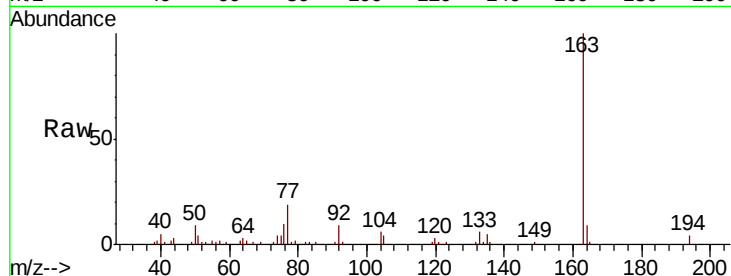
Tot Ion:163 Resp: 45329

Ion Ratio Lower Upper

163 100

194 4.4 3.7 5.5

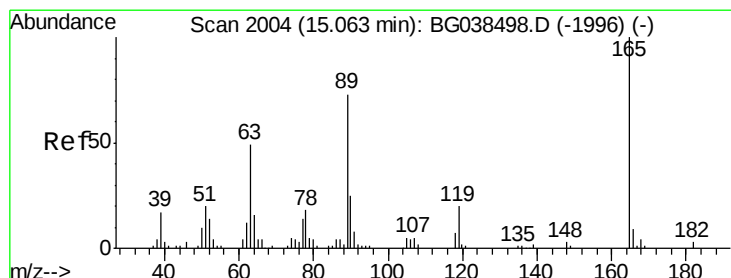
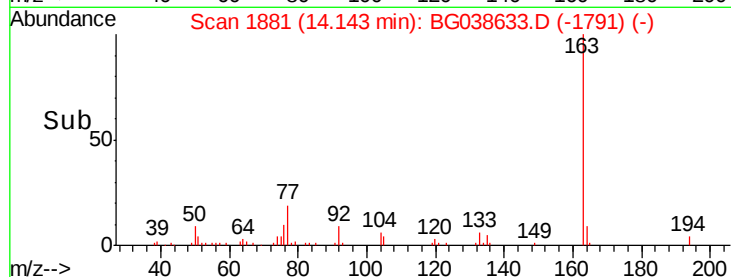
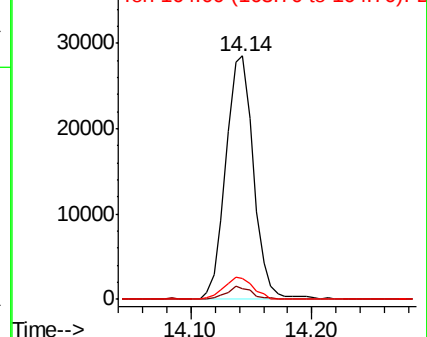
164 8.5 8.6 12.8#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.166 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.37 min

Lab File: BG038633.D

Acq: 16 Dec 2018 10:07

Tgt Ion:165 Resp: 8323

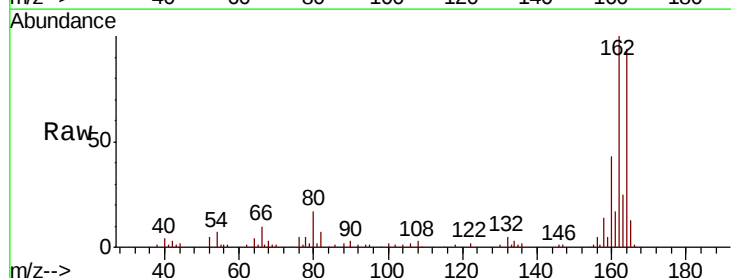
Ion Ratio Lower Upper

165 100

63 0.0 39.0 58.4#

89 0.0 58.0 87.0#

182 0.0 2.3 3.5#

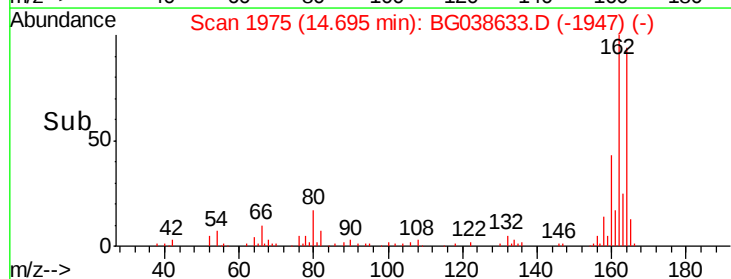
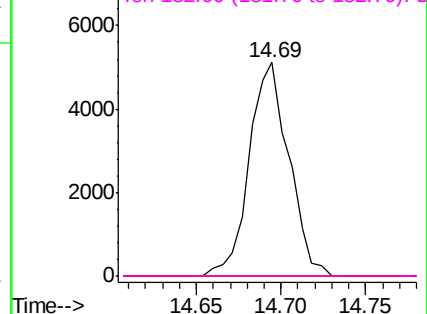


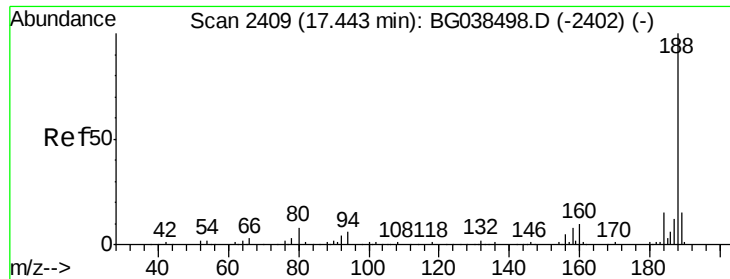
Abundance Ion 165.00 (164.70 to 165.70): E

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

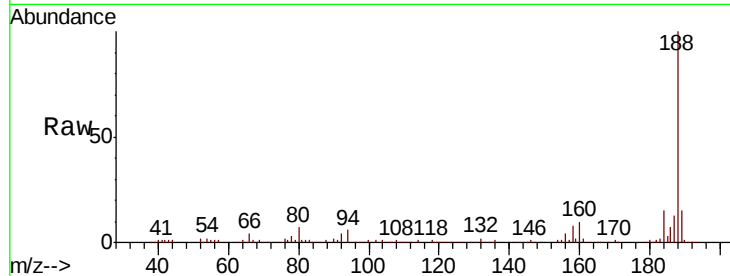




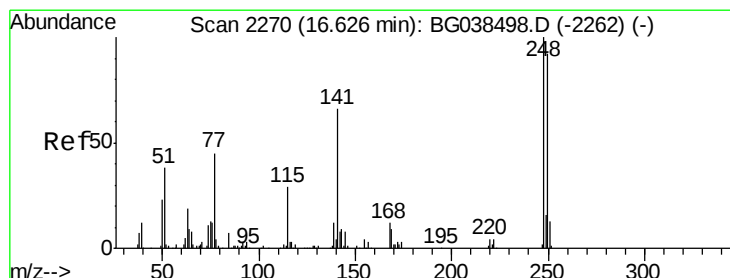
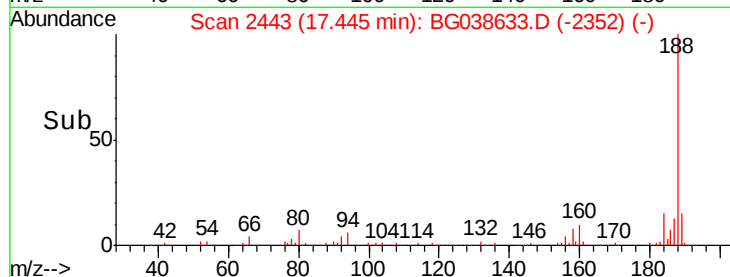
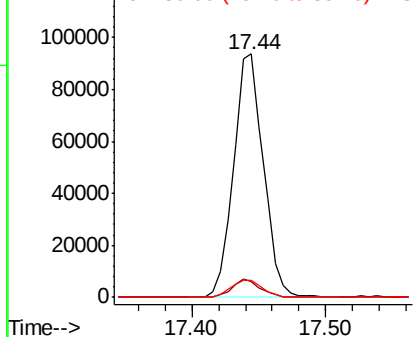
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. 0.00 min
Lab File: BG038633.D
Acq: 16 Dec 2018 10:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 145681
Ion Ratio Lower Upper
188 100
94 6.4 5.1 7.7
80 7.0 6.1 9.1

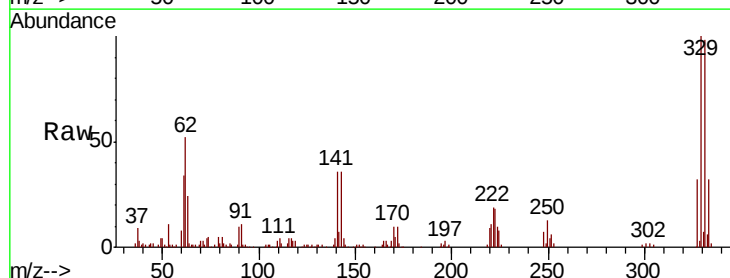


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

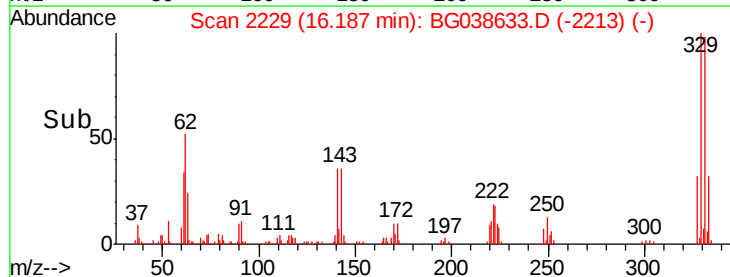
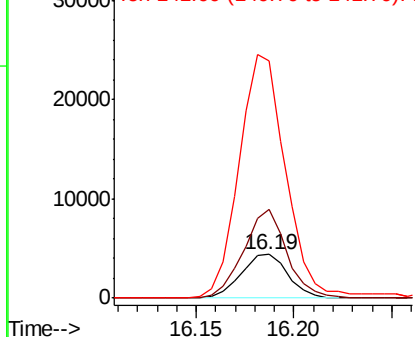


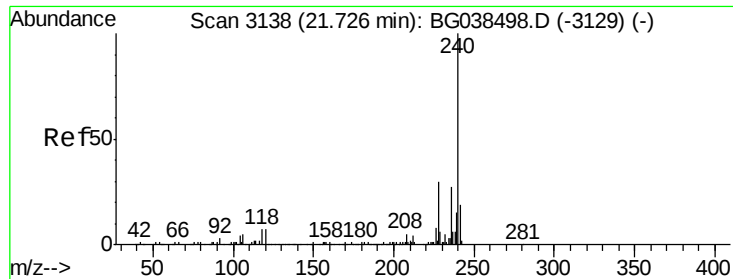
#67
4-Bromophenyl-phenylether
Concen: 4.042 ng
RT: 16.19 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038633.D
Acq: 16 Dec 2018 10:07

Tgt Ion:248 Resp: 7192
Ion Ratio Lower Upper
248 100
250 216.3 73.4 110.2#
141 435.1 52.9 79.3#



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

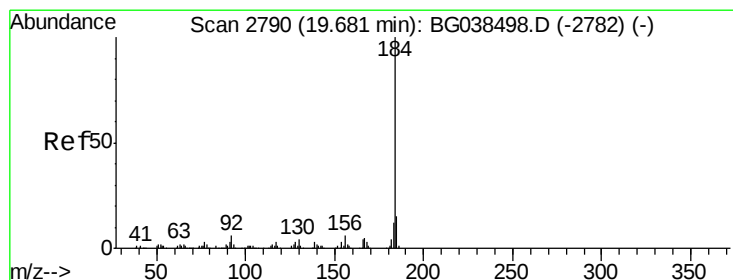
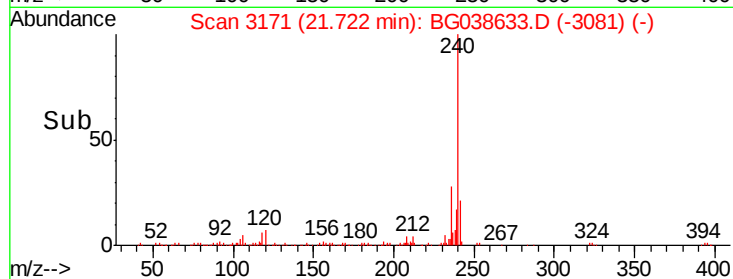
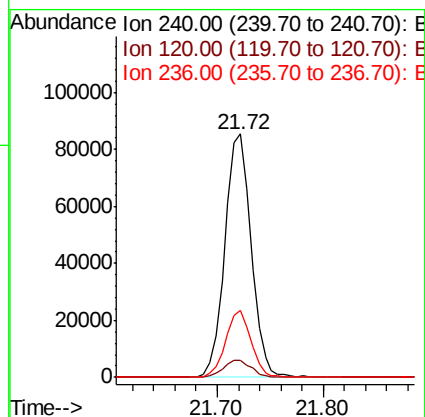
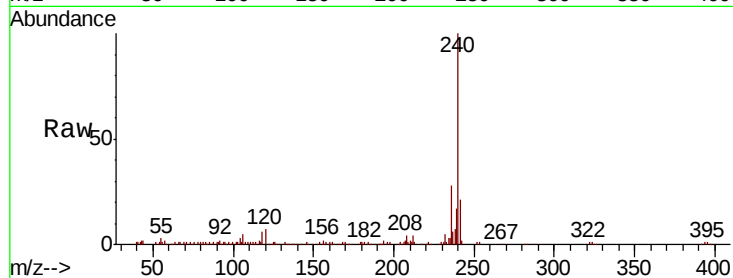




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.00 min
 Lab File: BG038633.D
 Acq: 16 Dec 2018 10:07

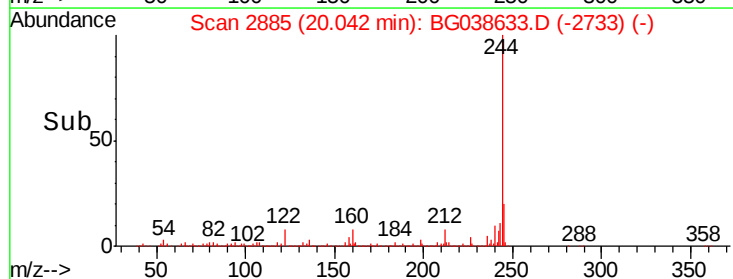
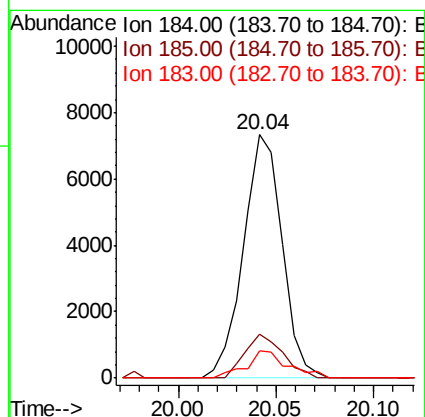
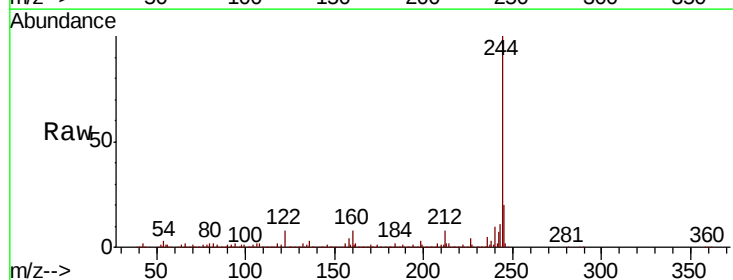
Instrument :
 BNA_G
 ClientSampled :

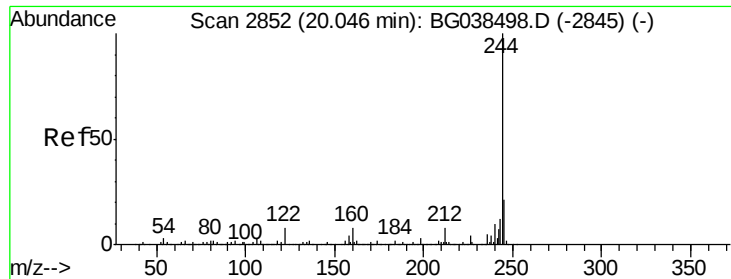
Tot Ion:240 Resp: 147672
 Ion Ratio Lower Upper
 240 100
 120 7.0 5.3 7.9
 236 27.5 21.4 32.2



#77
 Benzidine
 Concen: 2.307 ng
 RT: 20.04 min Scan# 2885
 Delta R.T. 0.36 min
 Lab File: BG038633.D
 Acq: 16 Dec 2018 10:07

Tgt Ion:184 Resp: 10076
 Ion Ratio Lower Upper
 184 100
 185 17.9 12.2 18.2
 183 11.4 9.6 14.4





#79

Terphenyl-d14

Concen: 79.108 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038633.D

Acq: 16 Dec 2018 10:07

Instrument :

BNA_G

ClientSampled :

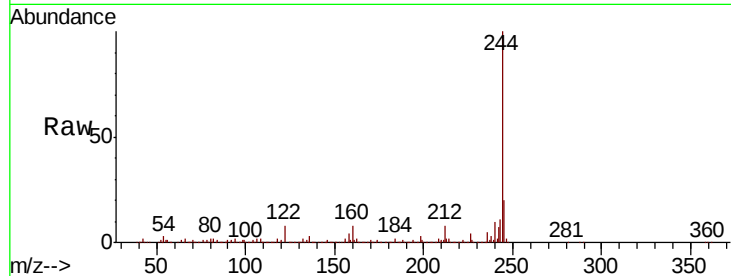
Tot Ion:244 Resp: 536776

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

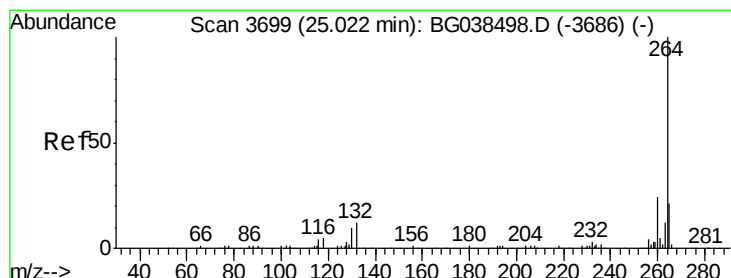
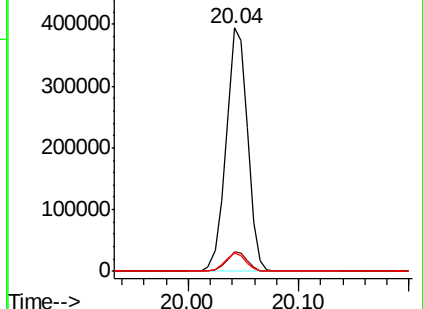
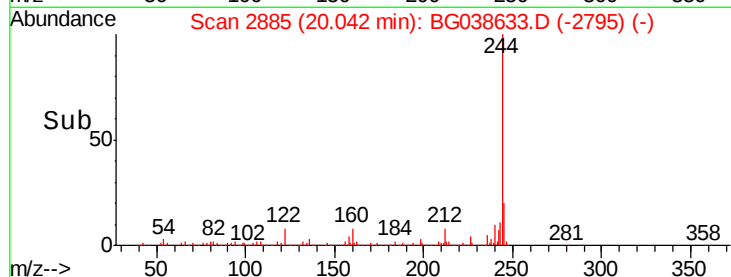
122 7.7 6.3 9.5



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: 25.01 min Scan# 3731

Delta R.T. -0.01 min

Lab File: BG038633.D

Acq: 16 Dec 2018 10:07

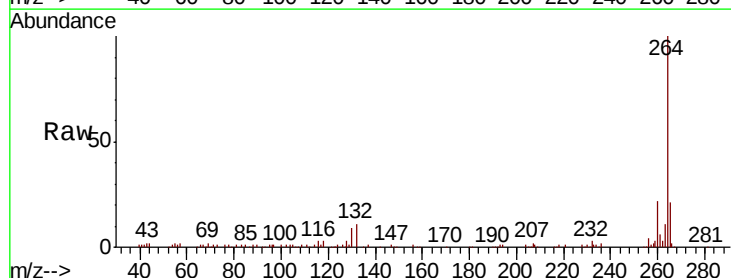
Tgt Ion:264 Resp: 165868

Ion Ratio Lower Upper

264 100

260 22.2 18.9 28.3

265 20.8 17.0 25.4



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

