

Data File : BG038819.D
Acq On : 22 Dec 2018 15:55
Operator : JU/SJ
Sample : J6492-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DRUM-1

Quant Time: Dec 24 03:56:34 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	29120	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	116005	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	79188	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	182146	20.00	ng	0.00
76) Chrysene-d12	21.73	240	184614	20.00	ng	0.00
87) Perylene-d12	25.03	264	192247	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	223410	136.08	ng	0.01
7) Phenol-d6	7.22	99	275731	122.34	ng	0.01
23) Nitrobenzene-d5	9.24	82	227658	100.26	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	160773	147.32	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	605438	104.89	ng	0.00
79) Terphenyl-d14	20.05	244	1026741	121.04	ng	0.00

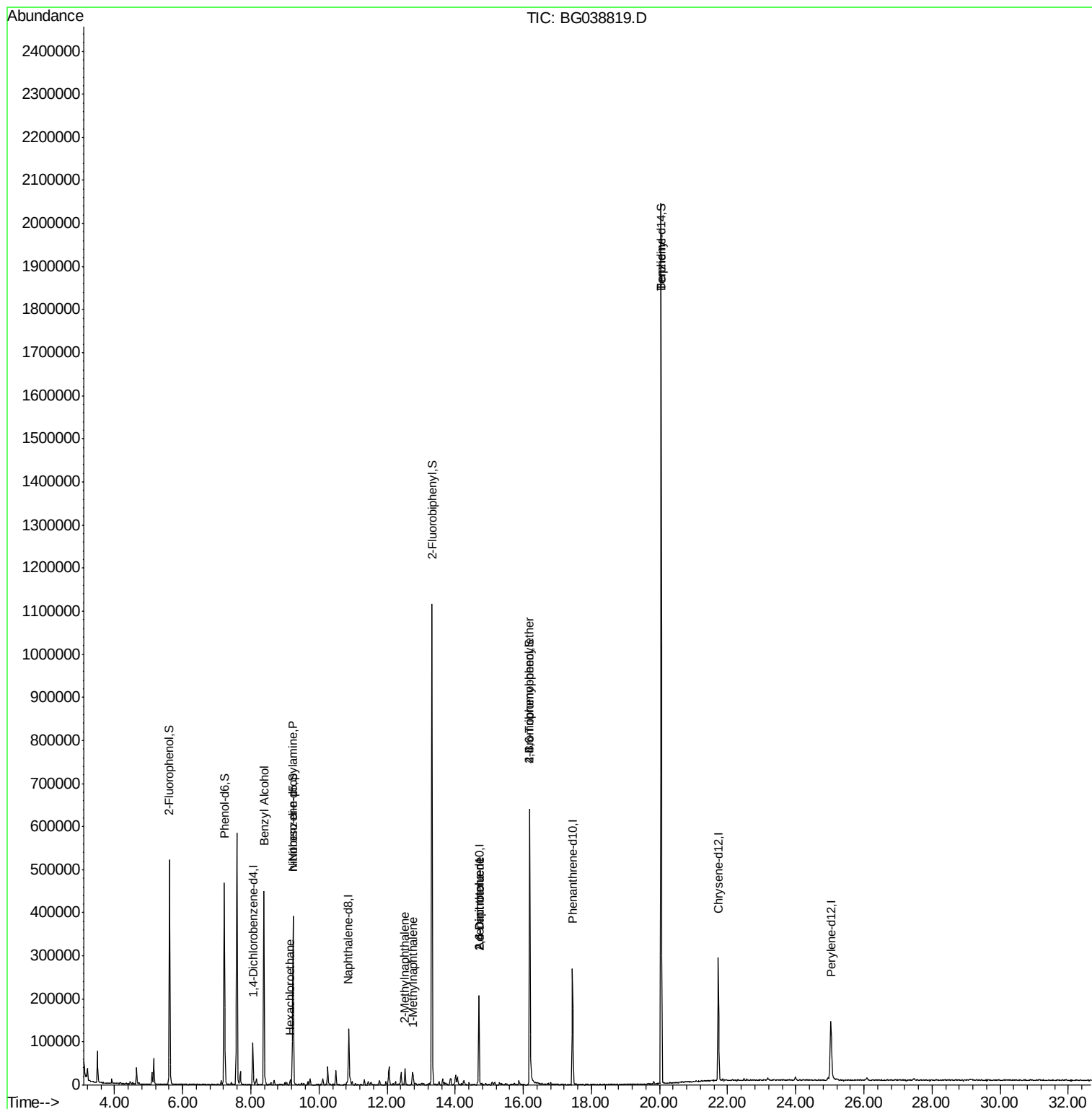
Target Compounds				Qvalue		
15) Benzyl Alcohol	8.38	79	3521	2.001	ng	# 48
18) Hexachloroethane	9.16	117	2092	2.488	ng	# 2
19) n-Nitroso-di-n-propylamine	9.24	70	31284	19.762	ng	# 67
37) 2-Methylnaphthalene	12.52	142	19971	4.898	ng	96
38) 1-Methylnaphthalene	12.74	142	13657	3.451	ng	95
51) 2,6-Dinitrotoluene	14.70	165	10820	7.383	ng	# 19
57) 2,4-Dinitrotoluene	14.70	165	10820	5.242	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	10045	4.516	ng	# 1
77) Benzidine	20.05	184	17302	3.169	ng	# 97

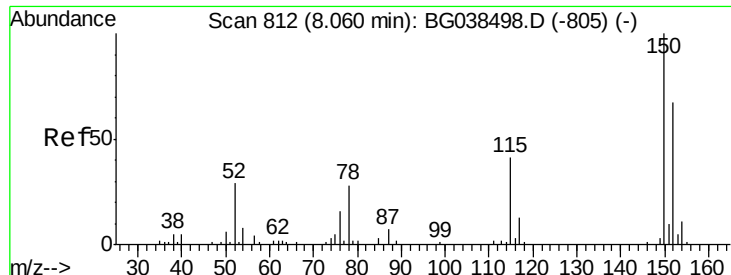
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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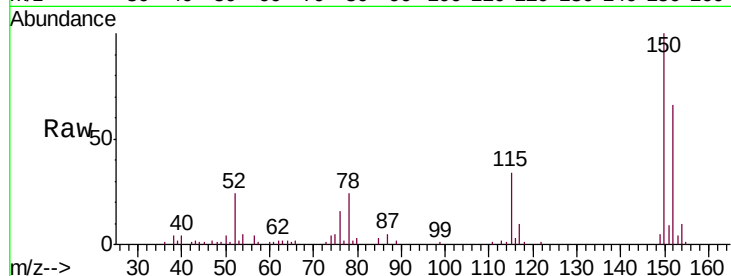




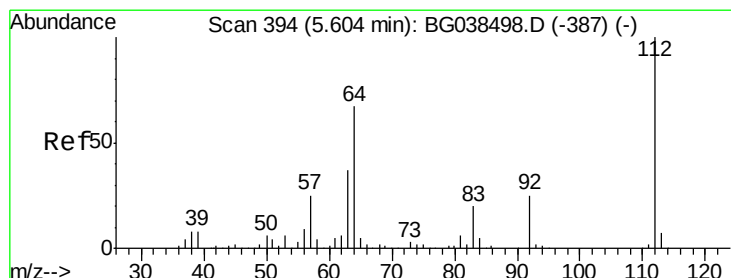
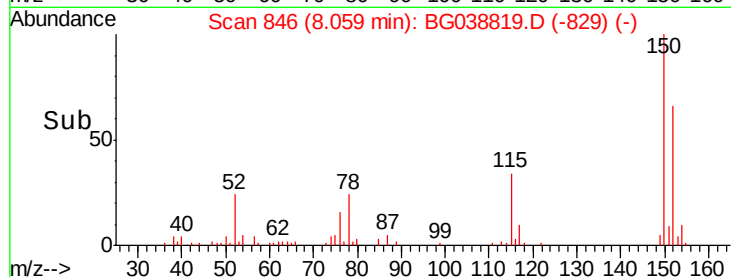
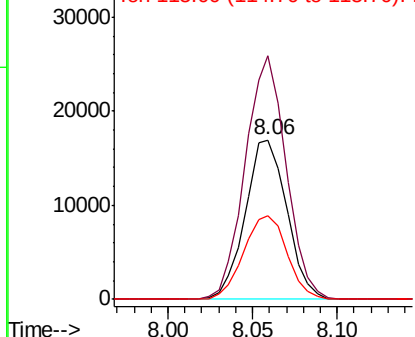
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: BG038819.D
 Acq: 22 Dec 2018 15:55

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-1

Tgt Ion:152 Resp: 29120
 Ion Ratio Lower Upper
 152 100
 150 152.5 119.5 179.3
 115 52.3 49.6 74.4

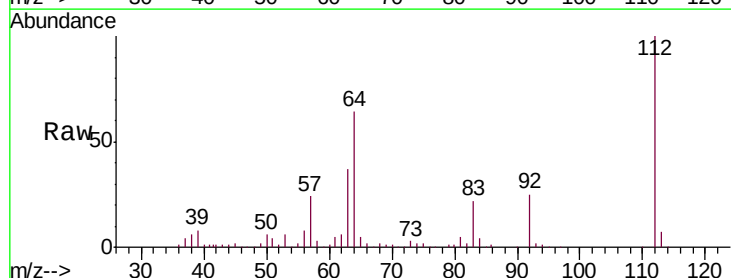


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

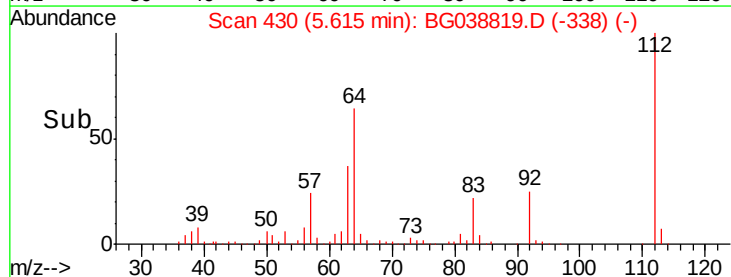
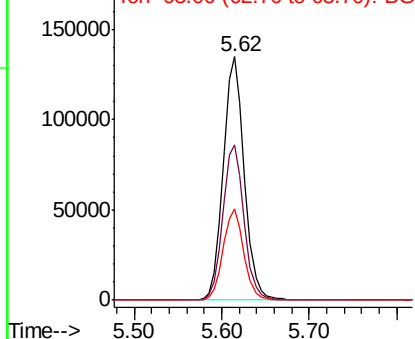


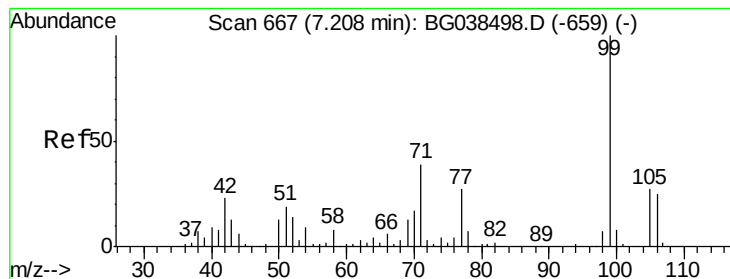
#5
 2-Fluorophenol
 Concen: 136.075 ng
 RT: 5.62 min Scan# 430
 Delta R.T. 0.01 min
 Lab File: BG038819.D
 Acq: 22 Dec 2018 15:55

Tgt Ion:112 Resp: 223410
 Ion Ratio Lower Upper
 112 100
 64 64.0 53.4 80.2
 63 37.4 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: 122.336 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038819.D

Acq: 22 Dec 2018 15:55

Instrument :

BNA_G

ClientSampleId :

DRUM-1

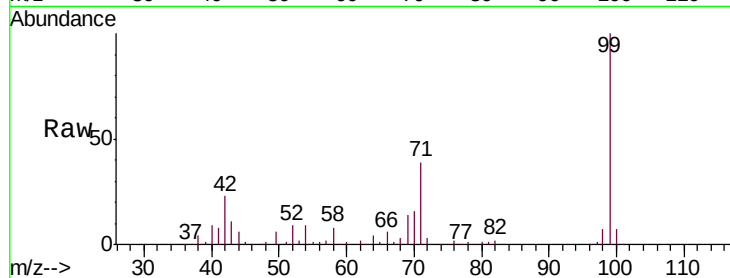
Tgt Ion: 99 Resp: 275731

Ion Ratio Lower Upper

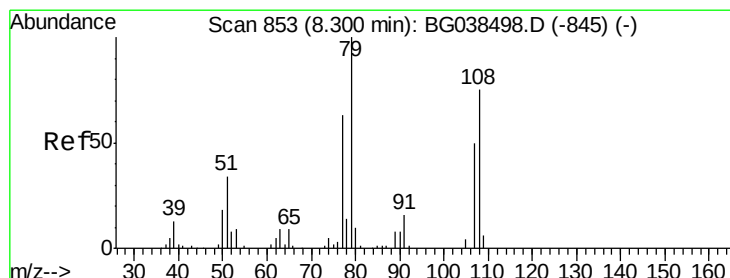
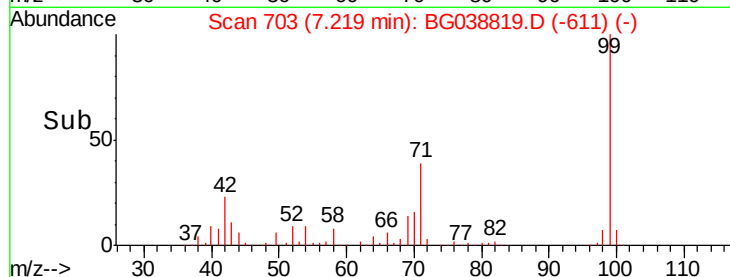
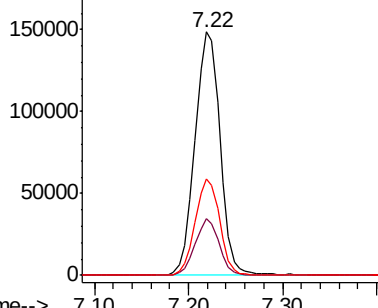
99 100

42 23.1 18.5 27.7

71 39.4 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



#15

Benzyl Alcohol

Concen: 2.001 ng

RT: 8.38 min Scan# 901

Delta R.T. 0.08 min

Lab File: BG038819.D

Acq: 22 Dec 2018 15:55

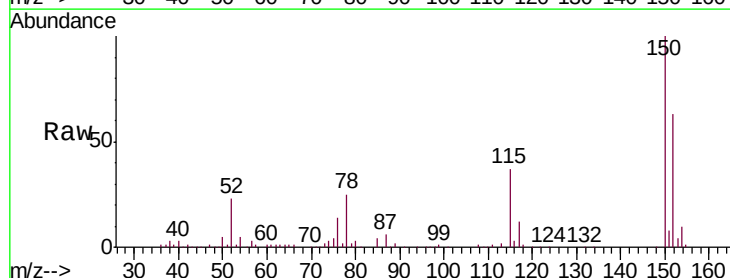
Tgt Ion: 79 Resp: 3521

Ion Ratio Lower Upper

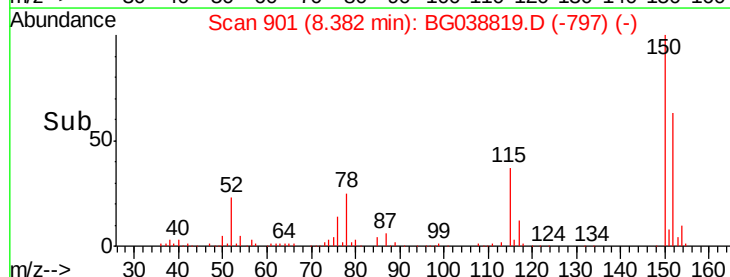
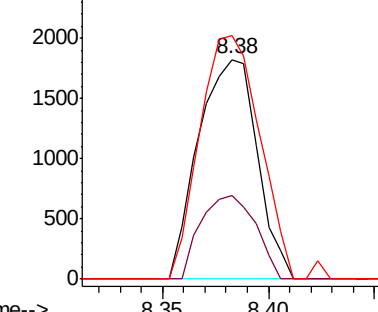
79 100

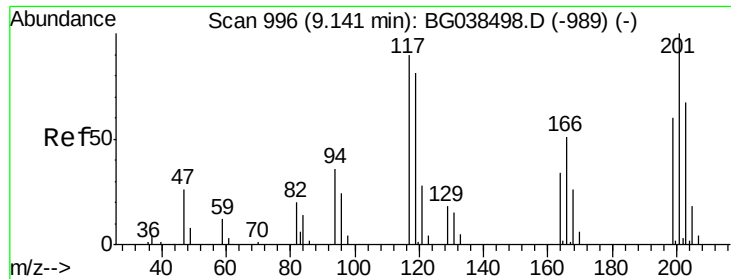
108 38.0 60.2 90.4#

77 110.8 50.7 76.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

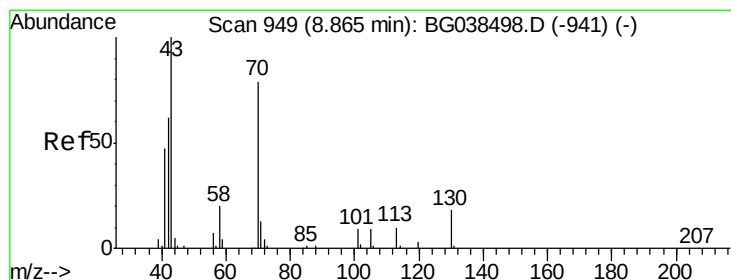
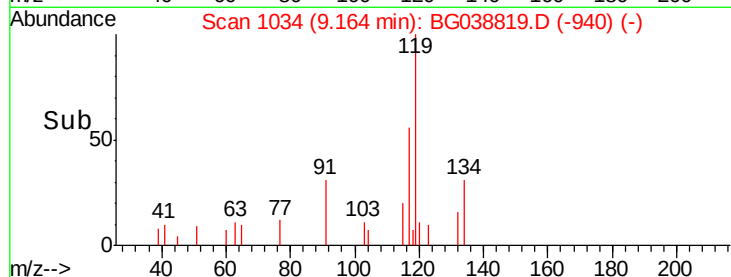
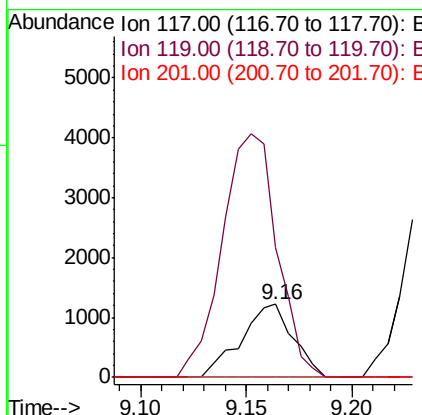
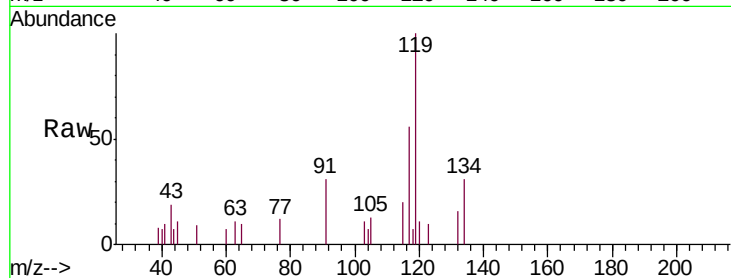




#18
Hexachloroethane
Concen: 2.488 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.02 min
Lab File: BG038819.D
Acq: 22 Dec 2018 15:55

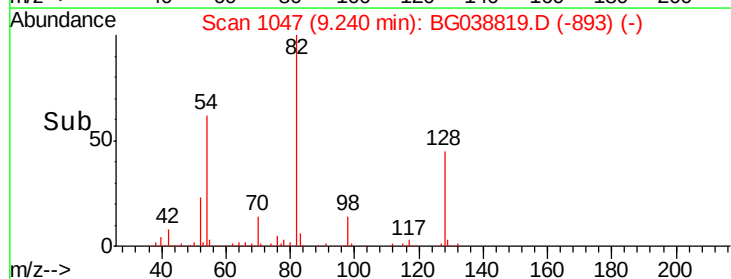
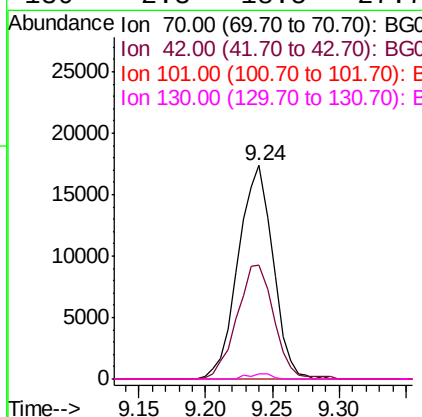
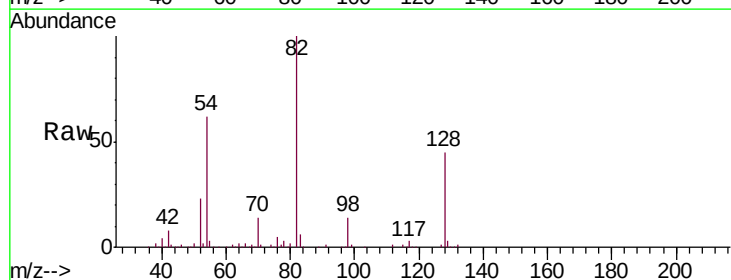
Instrument :
BNA_G
ClientSampled :
DRUM-1

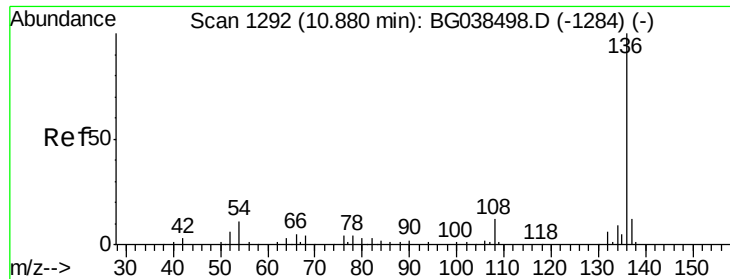
Tgt Ion: 117 Resp: 2092
Ion Ratio Lower Upper
117 100
119 177.5 73.8 110.8#
201 0.0 89.4 134.0#



#19
n-Nitroso-di-n-propylamine
Concen: 19.762 ng
RT: 9.24 min Scan# 1047
Delta R.T. 0.38 min
Lab File: BG038819.D
Acq: 22 Dec 2018 15:55

Tgt Ion: 70 Resp: 31284
Ion Ratio Lower Upper
70 100
42 53.1 63.6 95.4#
101 0.0 9.2 13.8#
130 2.3 18.5 27.7#

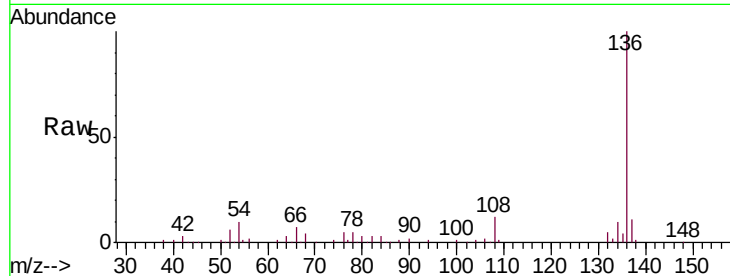




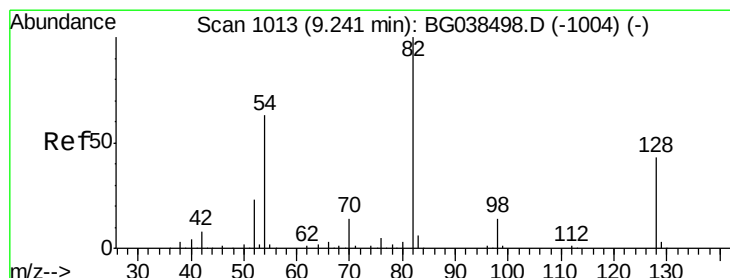
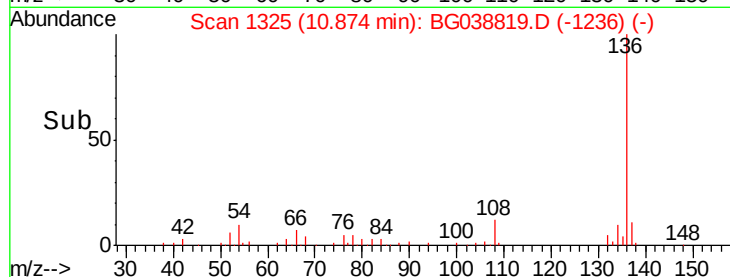
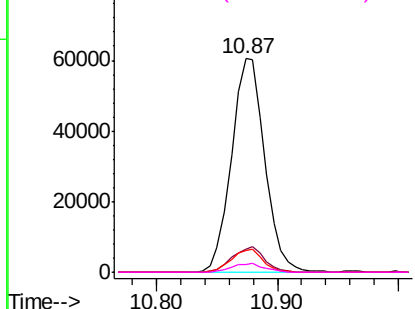
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038819.D
Acq: 22 Dec 2018 15:55

Instrument :
BNA_G
ClientSampleId :
DRUM-1

Tgt Ion:	136	Resp:	116005
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.3	13.9
54	10.6	8.5	12.7
68	3.7	3.5	5.3

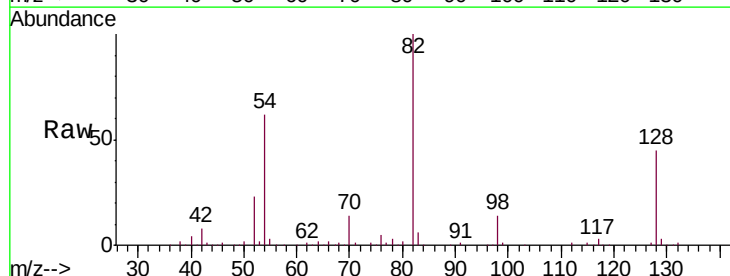


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

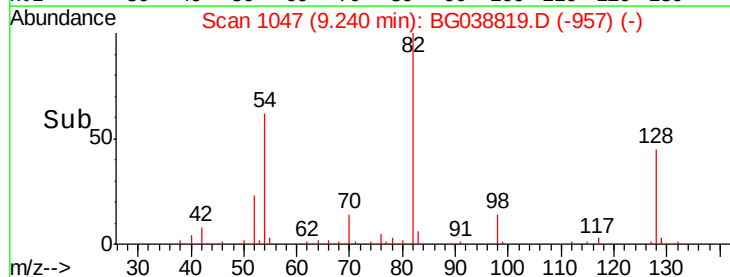
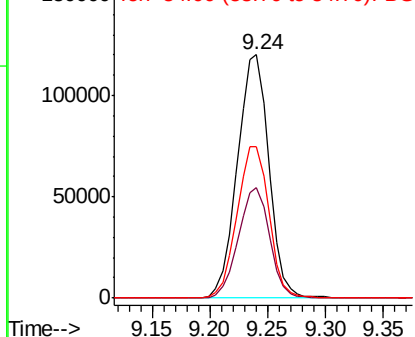


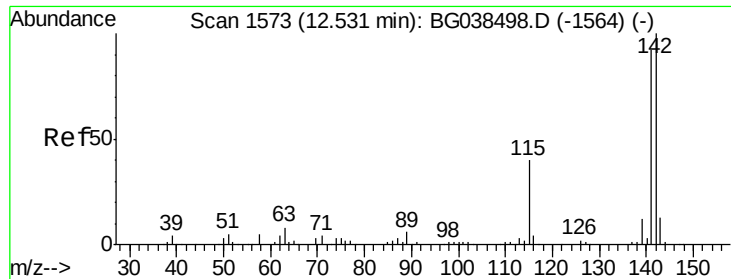
#23
Nitrobenzene-d5
Concen: 100.258 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG038819.D
Acq: 22 Dec 2018 15:55

Tgt Ion:	82	Resp:	227658
Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.6	52.0
54	62.2	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

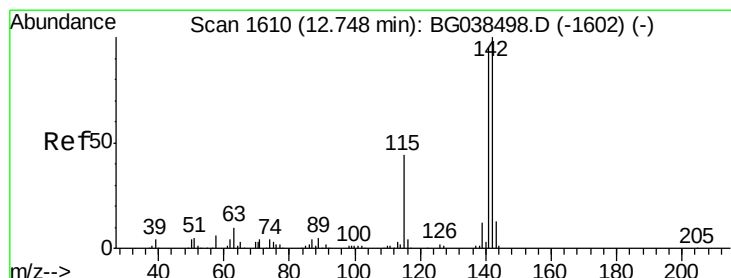
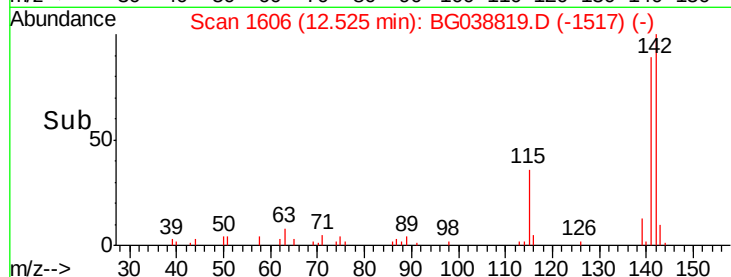
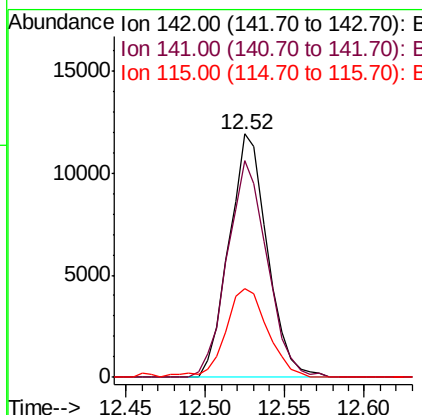
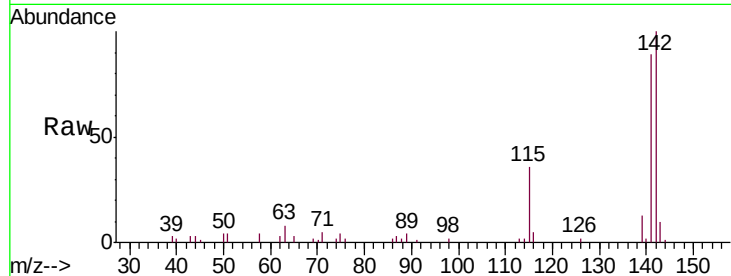




#37
 2-Methylnaphthalene
 Concen: 4.898 ng
 RT: 12.52 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BG038819.D
 Acq: 22 Dec 2018 15:55

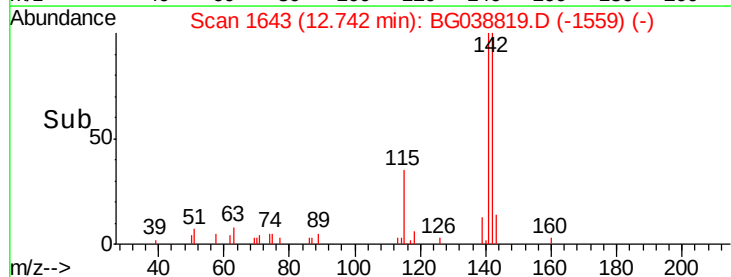
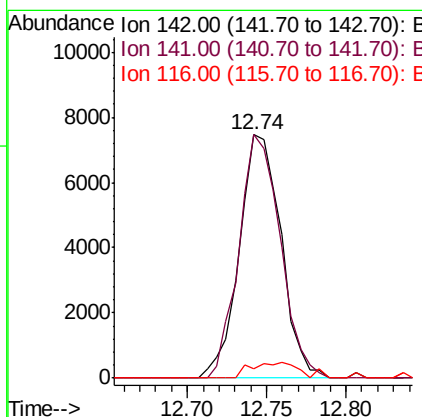
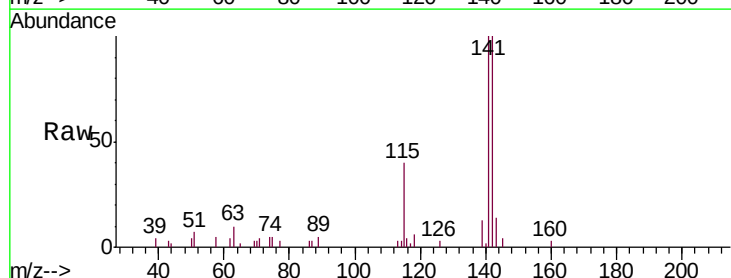
Instrument :
 BNA_G
 ClientSampleId :
 DRUM-1

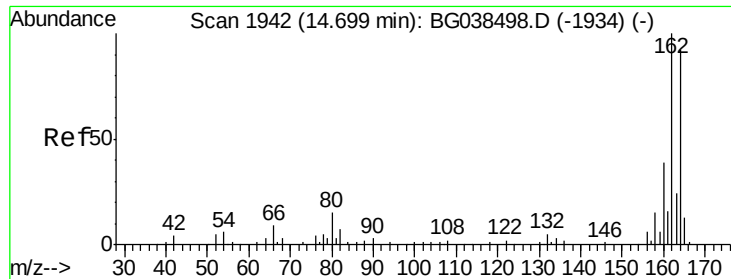
Tgt Ion:142 Resp: 19971
 Ion Ratio Lower Upper
 142 100
 141 88.8 73.5 110.3
 115 36.4 31.7 47.5



#38
 1-Methylnaphthalene
 Concen: 3.451 ng
 RT: 12.74 min Scan# 1643
 Delta R.T. -0.01 min
 Lab File: BG038819.D
 Acq: 22 Dec 2018 15:55

Tgt Ion:142 Resp: 13657
 Ion Ratio Lower Upper
 142 100
 141 100.1 75.8 113.8
 116 4.0 3.6 5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038819.D

Acq: 22 Dec 2018 15:55

Instrument :

BNA_G

ClientSampleId :

DRUM-1

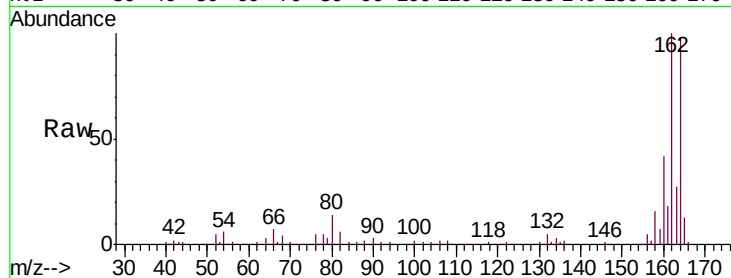
Tgt Ion:164 Resp: 79188

Ion Ratio Lower Upper

164 100

162 101.9 86.6 130.0

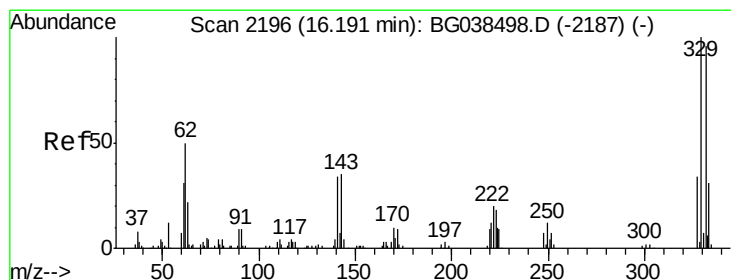
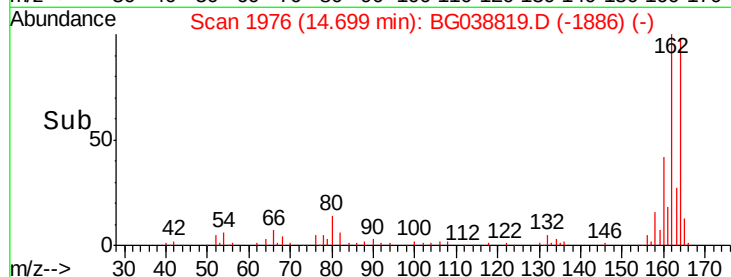
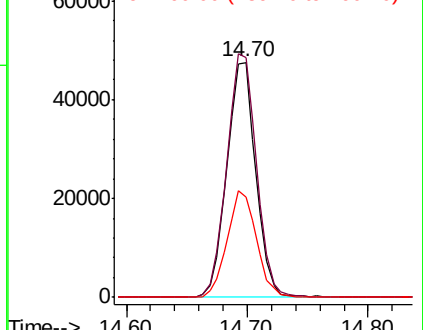
160 42.9 34.2 51.2



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: 147.315 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BG038819.D

Acq: 22 Dec 2018 15:55

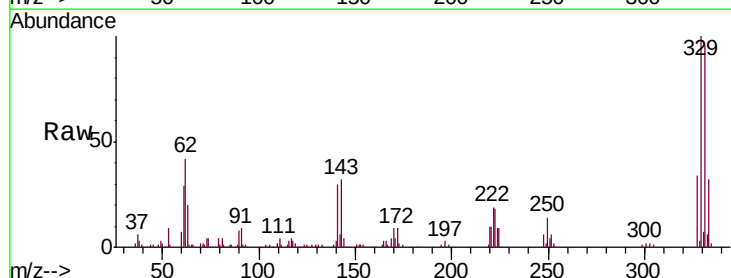
Tgt Ion:330 Resp: 160773

Ion Ratio Lower Upper

330 100

332 93.9 76.9 115.3

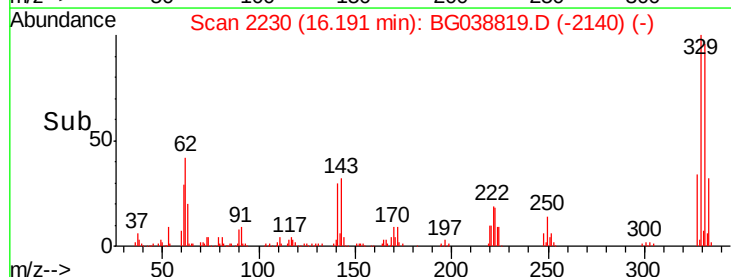
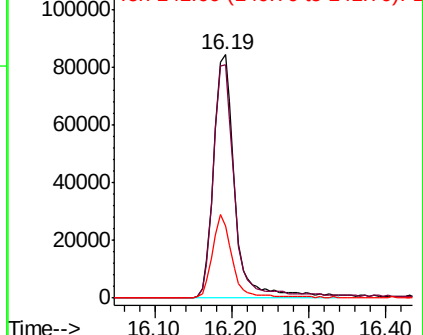
141 32.5 28.8 43.2

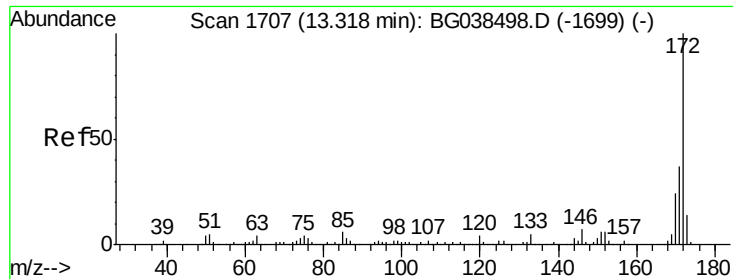


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

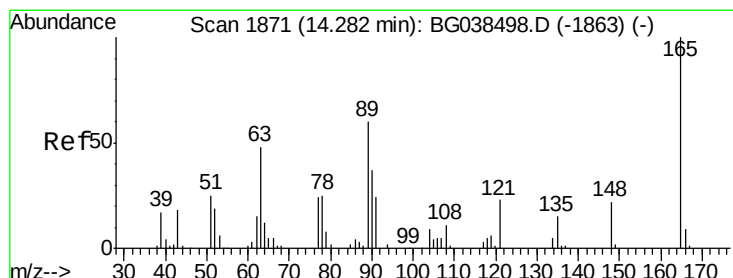
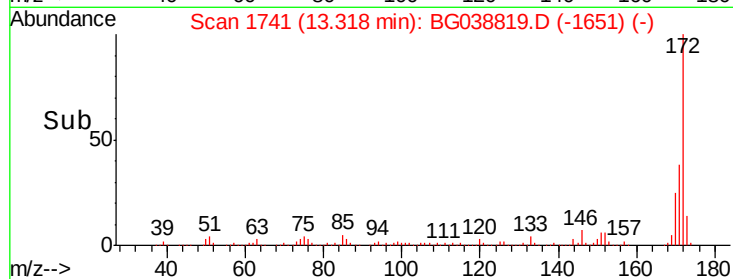
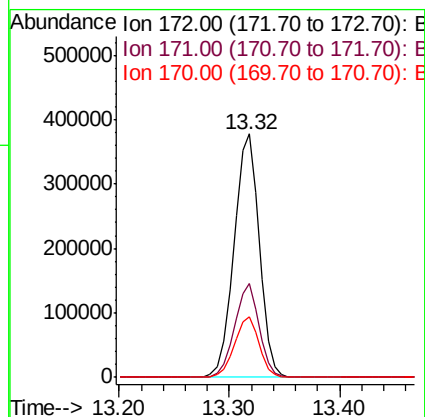
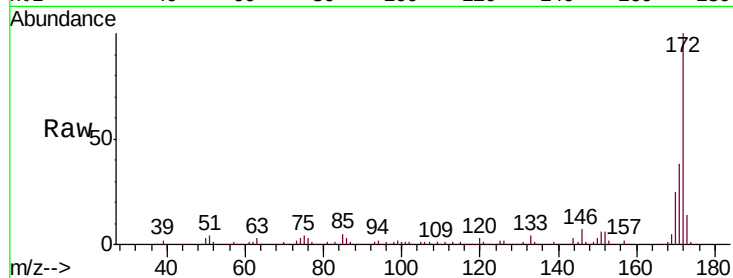




#45
 2-Fluorobiphenyl
 Concen: 104.886 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038819.D
 Acq: 22 Dec 2018 15:55

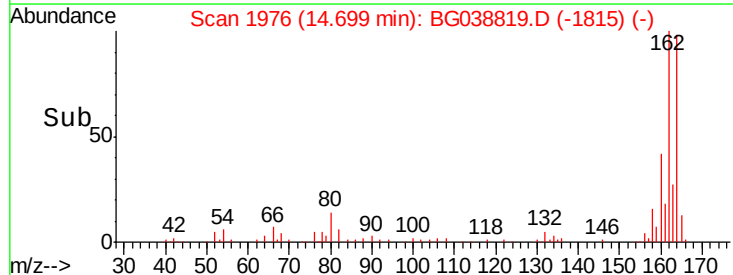
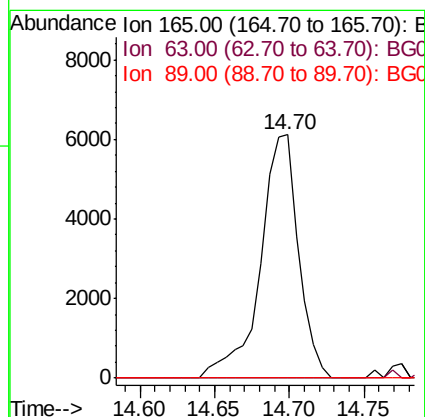
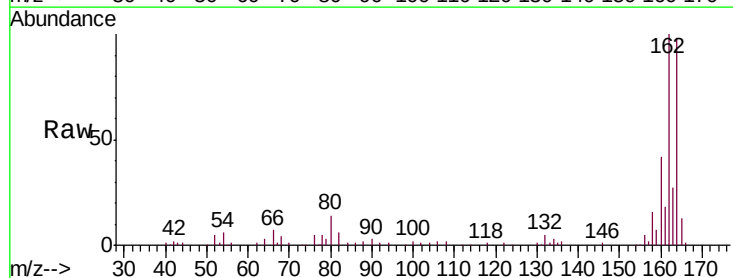
Instrument :
 BNA_G
 ClientSampleId :
 DRUM-1

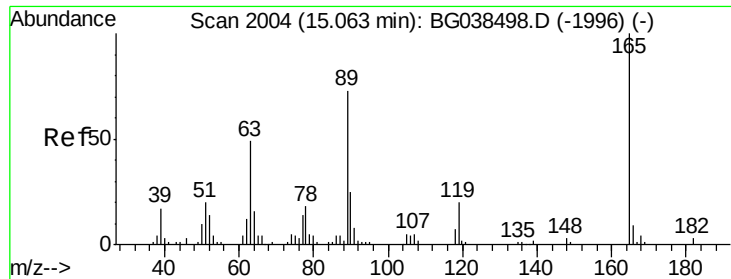
Tgt Ion:172 Resp: 605438
 Ion Ratio Lower Upper
 172 100
 171 38.4 29.8 44.6
 170 24.9 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.383 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.42 min
 Lab File: BG038819.D
 Acq: 22 Dec 2018 15:55

Tgt Ion:165 Resp: 10820
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#

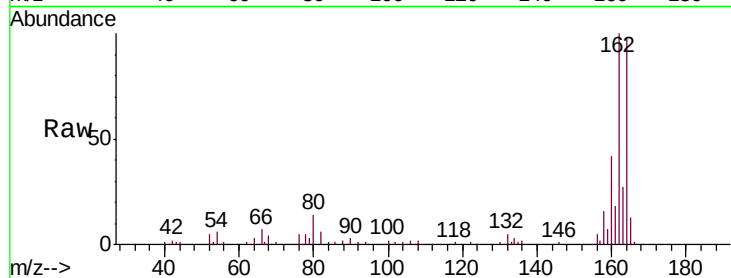




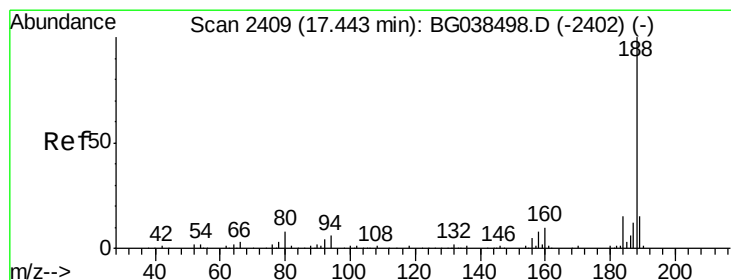
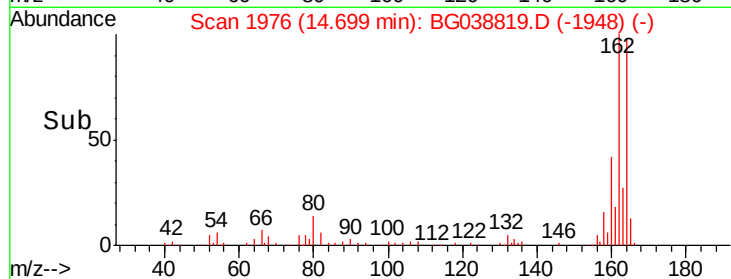
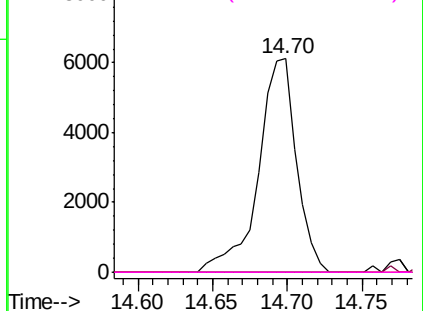
#57
 2,4-Dinitrotoluene
 Concen: 5.242 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.36 min
 Lab File: BG038819.D
 Acq: 22 Dec 2018 15:55

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-1

Tgt Ion:	165	Resp:	10820
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#

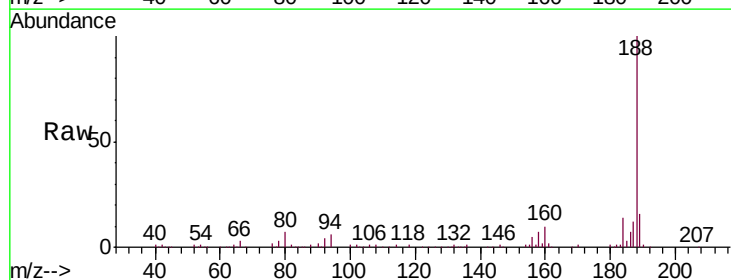


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

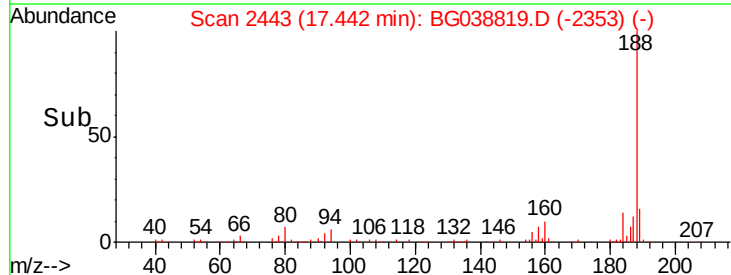
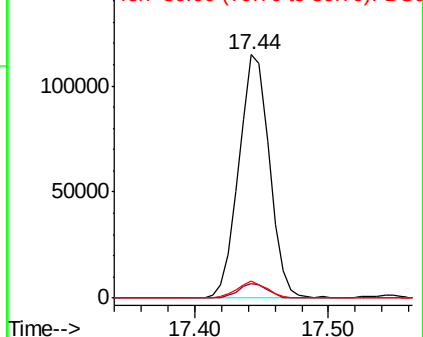


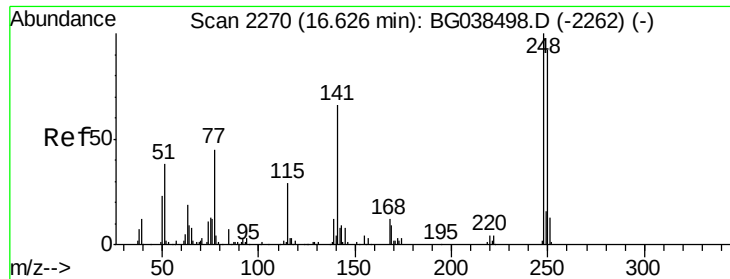
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038819.D
 Acq: 22 Dec 2018 15:55

Tgt Ion:	188	Resp:	182146
Ion	Ratio	Lower	Upper
188	100		
94	5.7	5.1	7.7
80	6.9	6.1	9.1



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

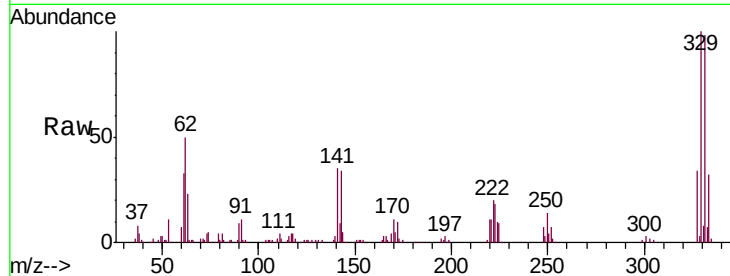




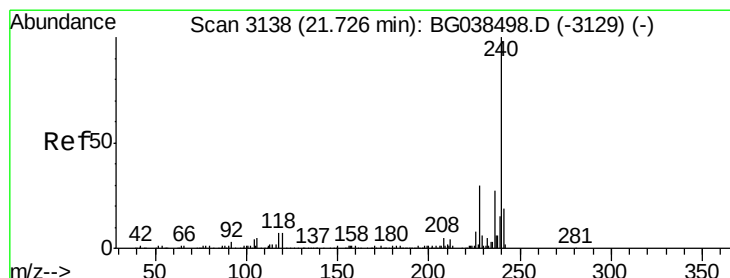
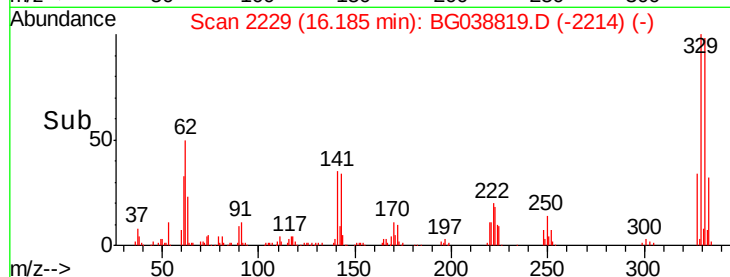
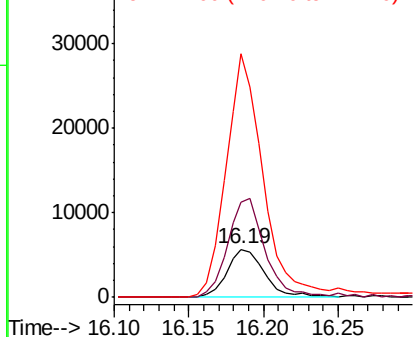
#67
 4-Bromophenyl-phenylether
 Concen: 4.516 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038819.D
 Acq: 22 Dec 2018 15:55

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-1

Tgt Ion:248 Resp: 10045
 Ion Ratio Lower Upper
 248 100
 250 189.6 73.4 110.2#
 141 372.5 52.9 79.3#

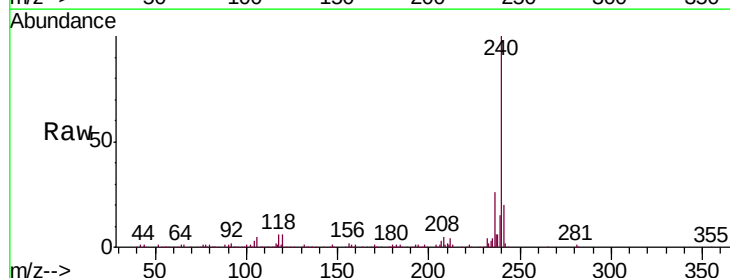


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

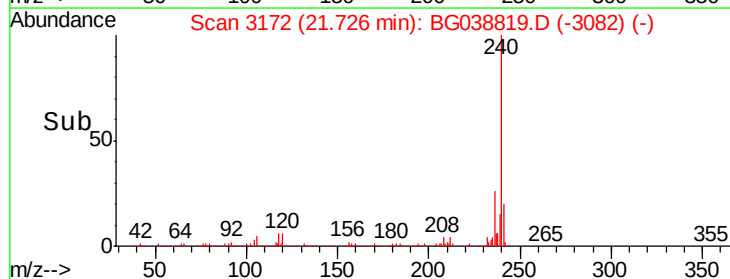
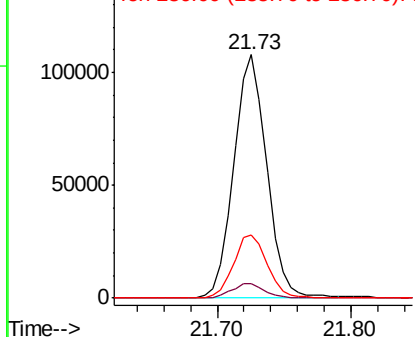


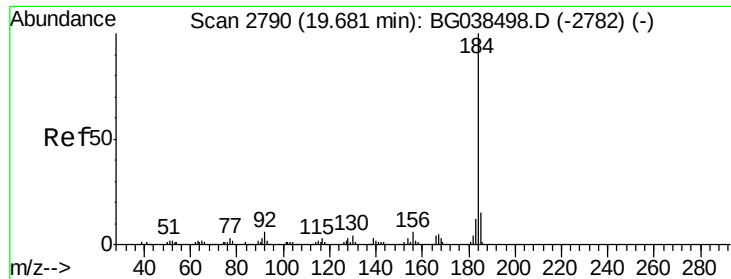
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3172
 Delta R.T. -0.00 min
 Lab File: BG038819.D
 Acq: 22 Dec 2018 15:55

Tgt Ion:240 Resp: 184614
 Ion Ratio Lower Upper
 240 100
 120 5.9 5.3 7.9
 236 26.1 21.4 32.2



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: 3.169 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038819.D

Acq: 22 Dec 2018 15:55

Instrument :

BNA_G

ClientSampleId :

DRUM-1

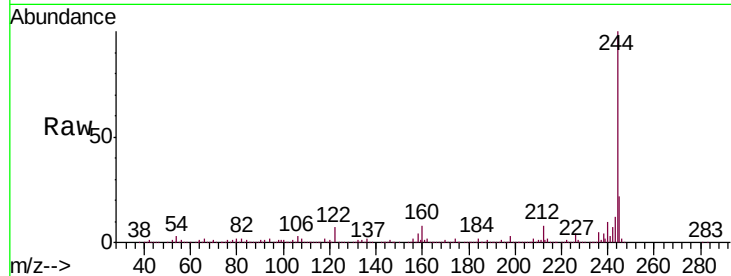
Tgt Ion:184 Resp: 17302

Ion Ratio Lower Upper

184 100

185 14.9 12.2 18.2

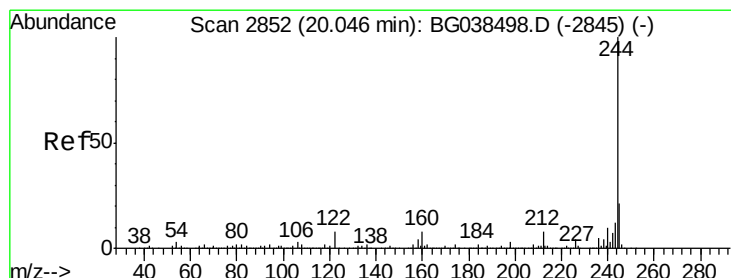
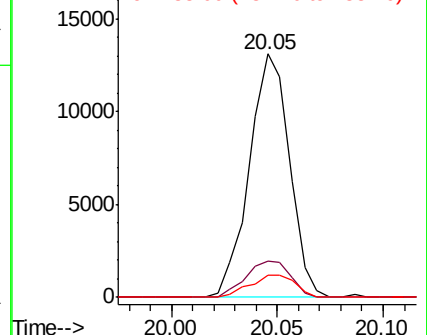
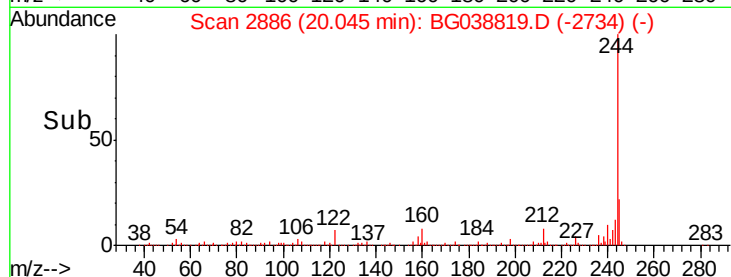
183 9.3 9.6 14.4#



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: 121.038 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038819.D

Acq: 22 Dec 2018 15:55

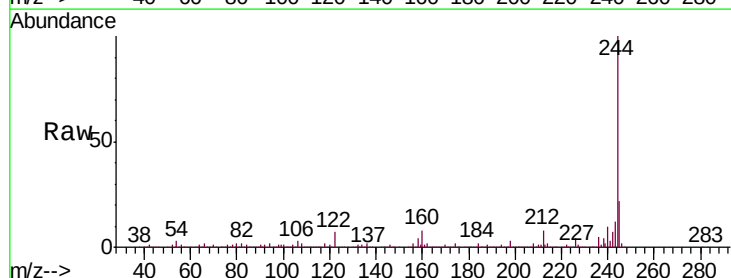
Tgt Ion:244 Resp: 1026741

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

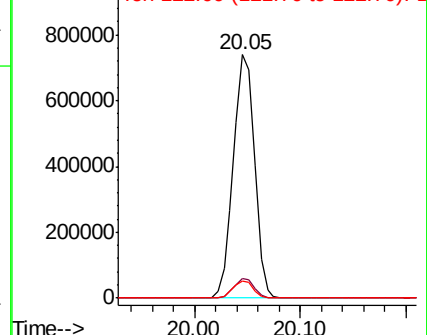
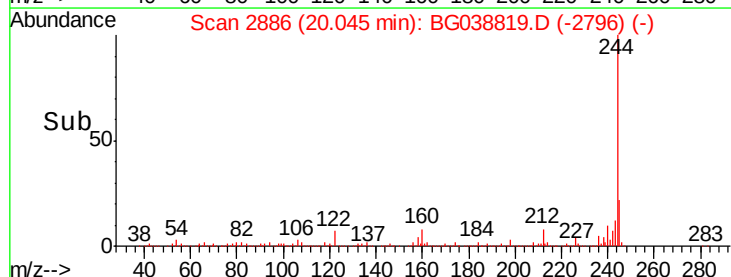
122 7.2 6.3 9.5

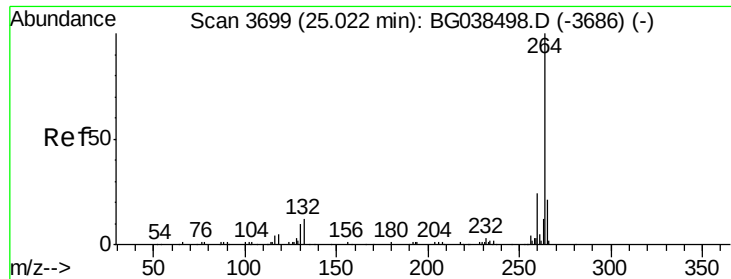


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.03 min Scan# 3734
Delta R.T. 0.01 min
Lab File: BG038819.D
Acq: 22 Dec 2018 15:55

Instrument :
BNA_G
ClientSampleId :
DRUM-1

Tgt Ion: 264 Resp: 192247

Ion	Ratio	Lower	Upper
264	100		
260	21.6	18.9	28.3
265	22.8	17.0	25.4

