

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
 Data File : BG038563.D
 Acq On : 14 Dec 2018 11:06
 Operator : JU/SJ
 Sample : J6194-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 11:45:53 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

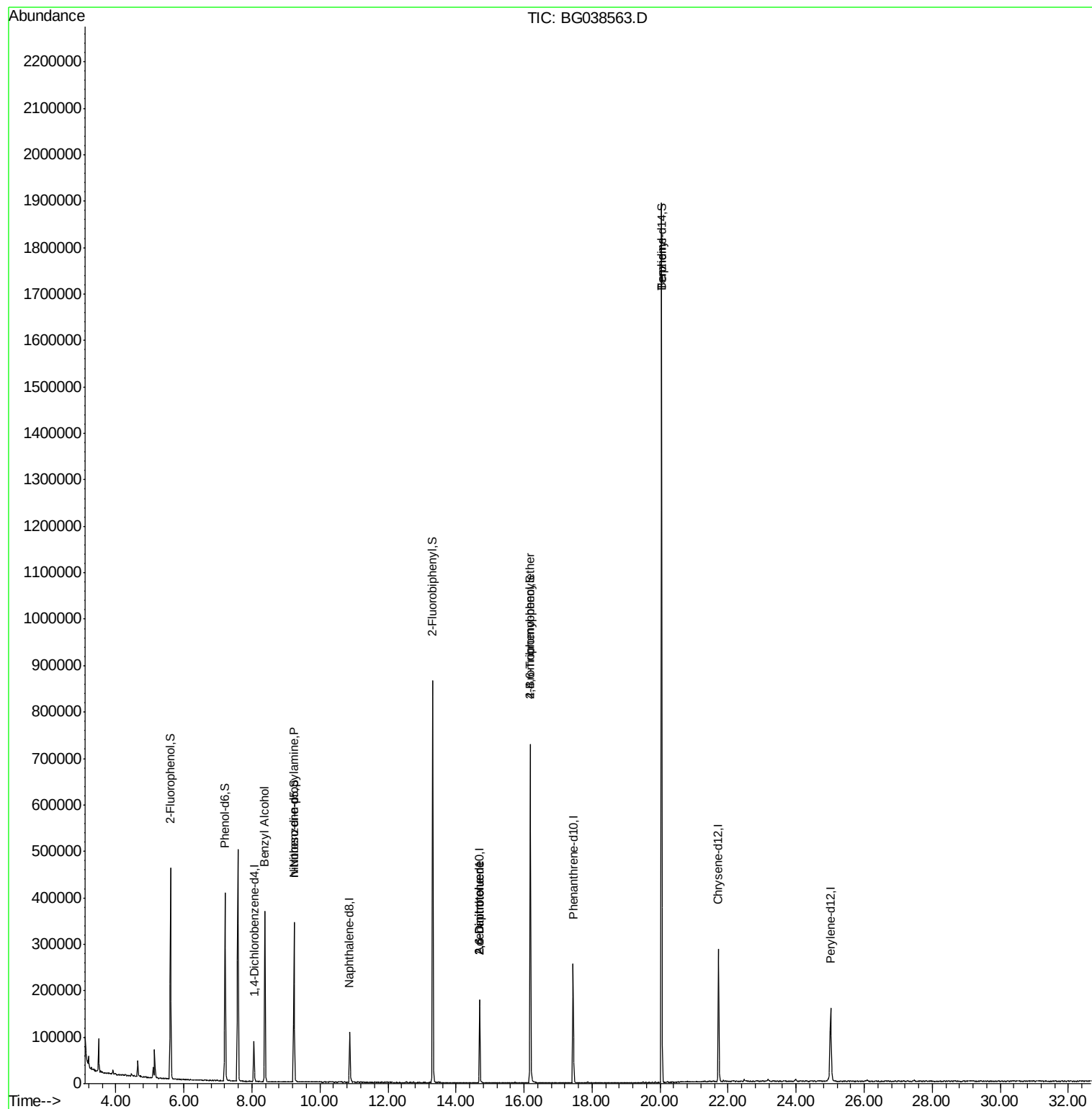
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	24168	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	98189	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	66024	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	172418	20.00	ng	0.00
76) Chrysene-d12	21.72	240	182615	20.00	ng	-0.01
87) Perylene-d12	25.01	264	191911	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	191087	140.24	ng	0.00
7) Phenol-d6	7.21	99	227639	121.69	ng	0.00
23) Nitrobenzene-d5	9.24	82	199710	103.91	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	146639	161.15	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	465719	96.77	ng	0.00
79) Terphenyl-d14	20.04	244	941520	112.21	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.38	79	2949	2.020	ng	# 44
19) n-Nitroso-di-n-propylamine	9.24	70	26387	20.084	ng	# 73
51) 2,6-Dinitrotoluene	14.69	165	8597	7.036	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	8597	4.996	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	9616	4.567	ng	# 1
77) Benzidine	20.04	184	17532	3.246	ng	# 93

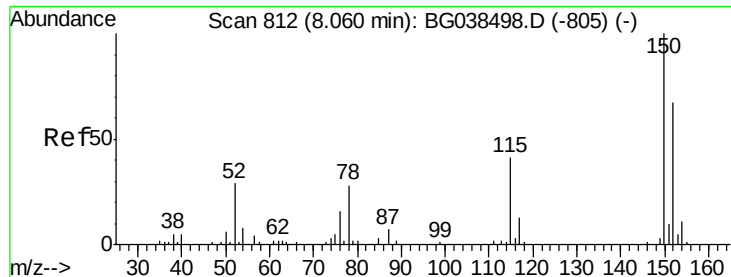
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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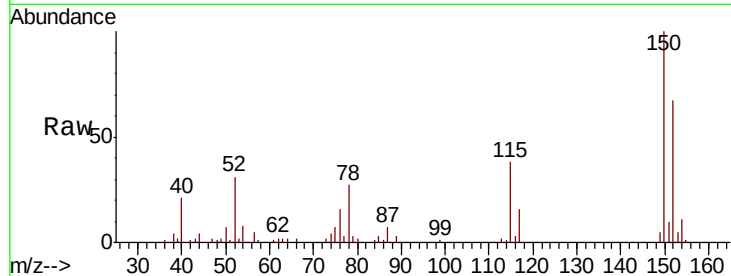


#1

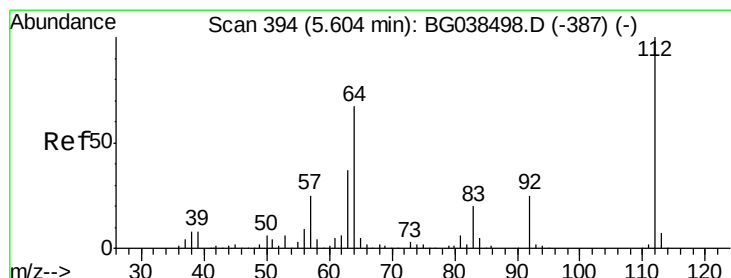
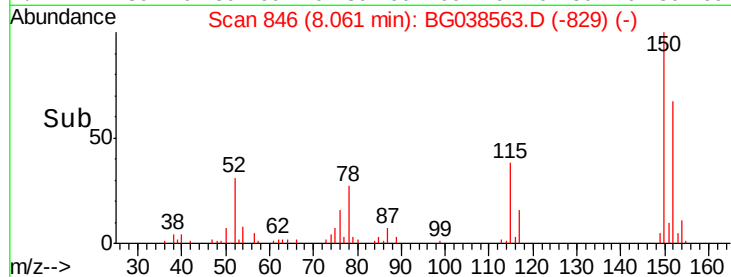
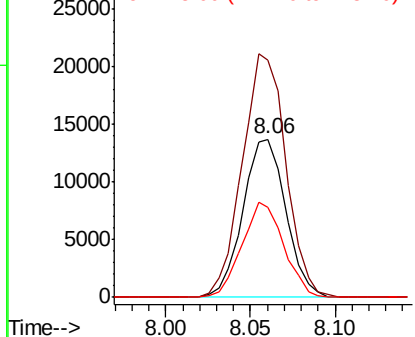
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. 0.00 min
Lab File: BG038563.D
Acq: 14 Dec 2018 11:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 24168
Ion Ratio Lower Upper
152 100
150 150.0 119.5 179.3
115 56.8 49.6 74.4



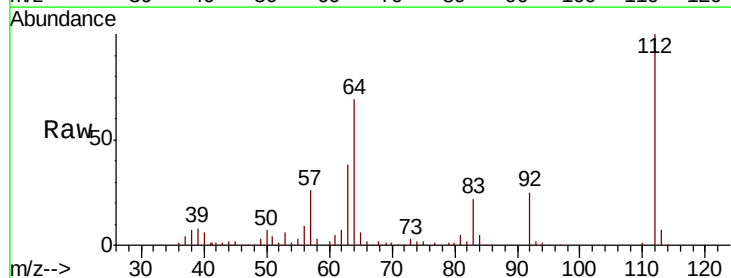
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



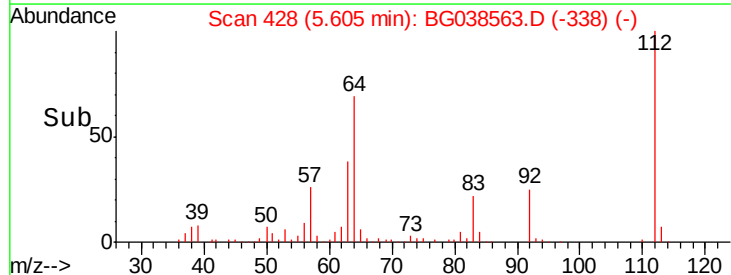
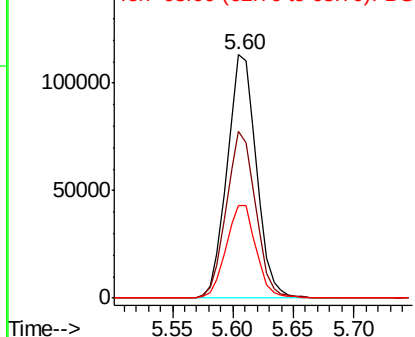
#5

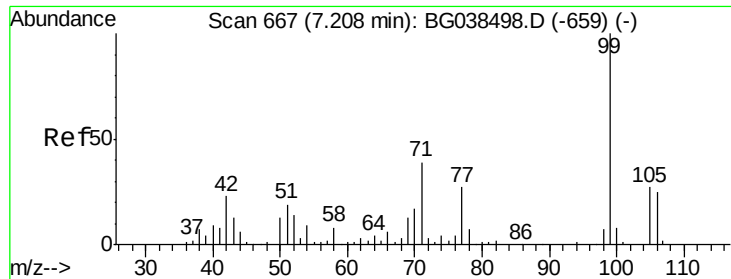
2-Fluorophenol
Concen: 140.236 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG038563.D
Acq: 14 Dec 2018 11:06

Tgt Ion:112 Resp: 191087
Ion Ratio Lower Upper
112 100
64 68.5 53.4 80.2
63 38.2 29.3 43.9



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: 121.693 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG038563.D

Acq: 14 Dec 2018 11:06

Instrument :

BNA_F

ClientSampleId :

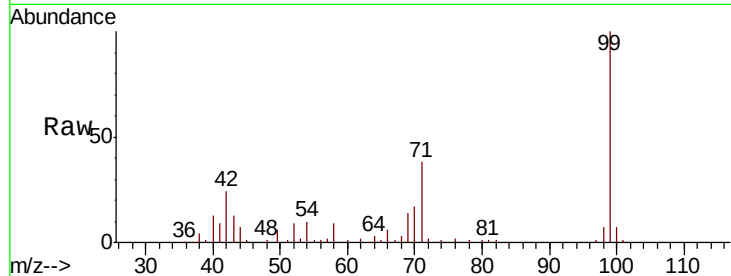
Tot Ion: 99 Resp: 227639

Ion Ratio Lower Upper

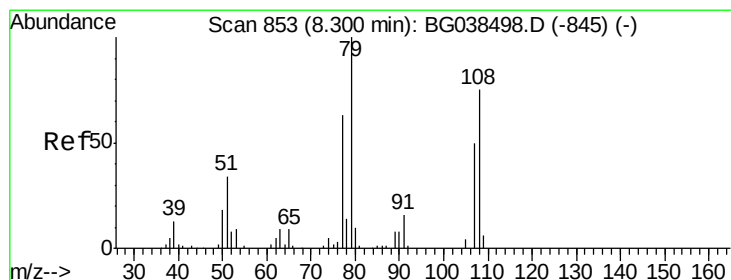
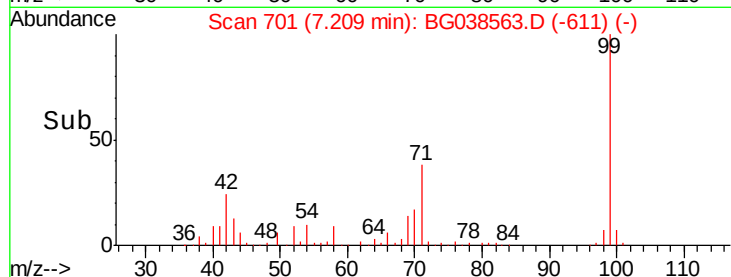
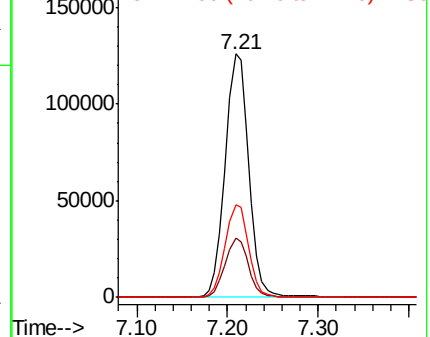
99 100

42 24.3 18.5 27.7

71 37.9 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: 2.020 ng

RT: 8.38 min Scan# 900

Delta R.T. 0.08 min

Lab File: BG038563.D

Acq: 14 Dec 2018 11:06

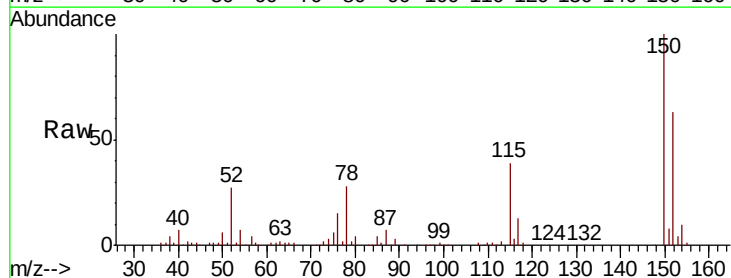
Tgt Ion: 79 Resp: 2949

Ion Ratio Lower Upper

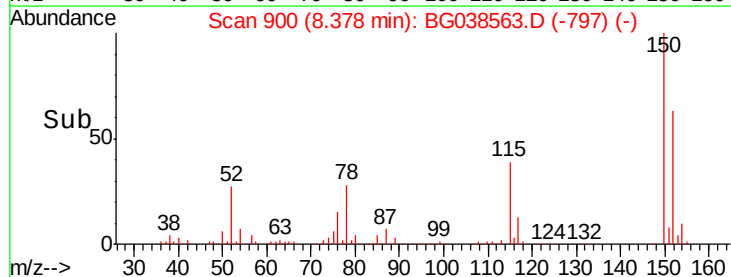
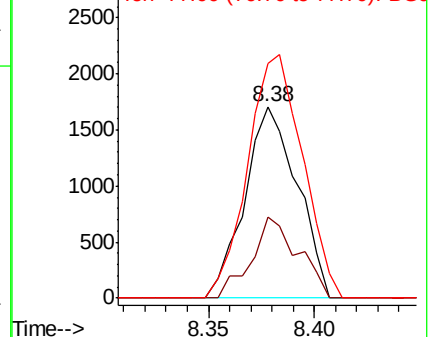
79 100

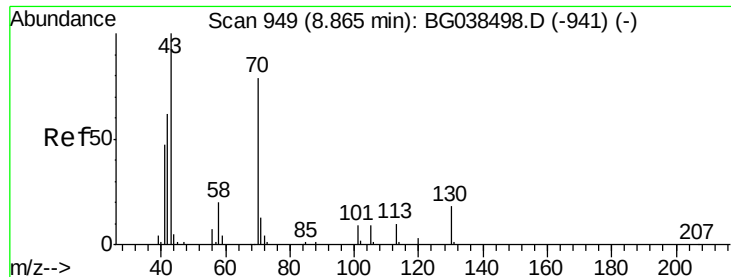
108 42.6 60.2 90.4#

77 122.8 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

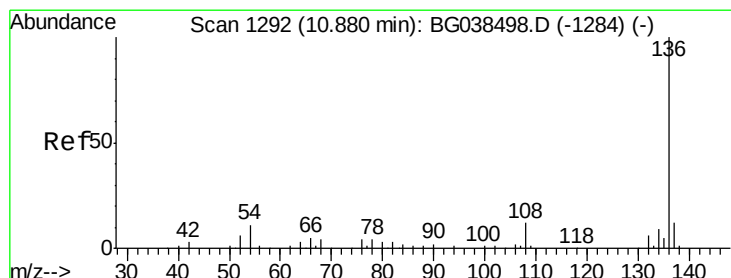
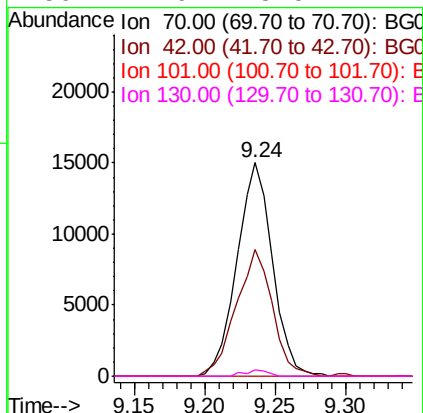
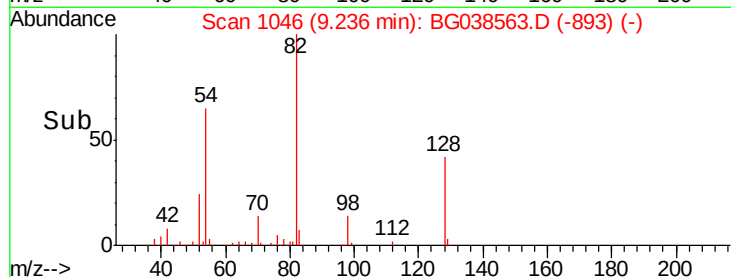
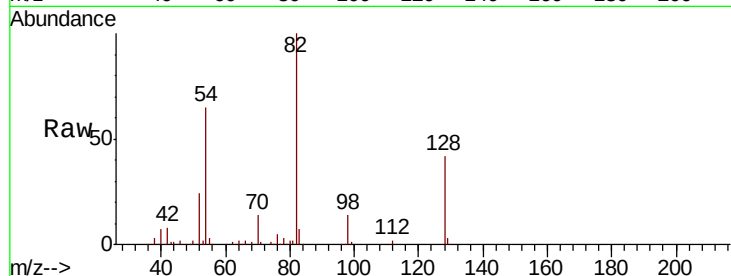




#19
n-Nitroso-di-n-propylamine
Concen: 20.084 ng
RT: 9.24 min Scan# 1046
Delta R.T. 0.37 min
Lab File: BG038563.D
Acq: 14 Dec 2018 11:06

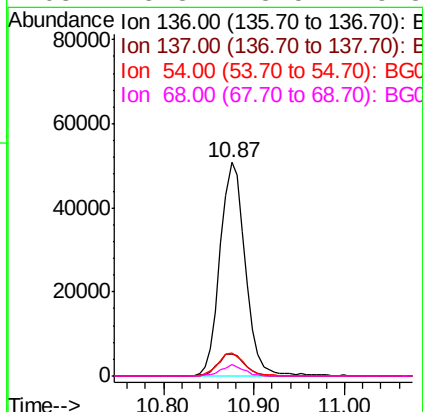
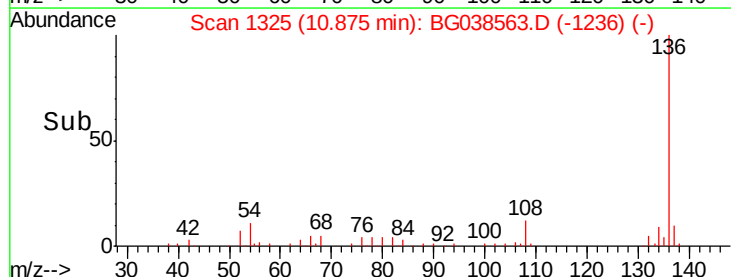
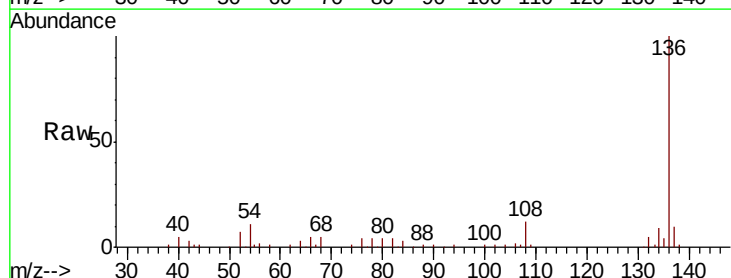
Instrument :
BNA_F
ClientSampleId :

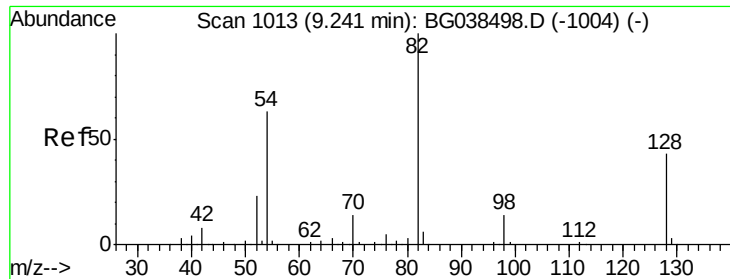
Tot Ion: 70 Resp: 26387
Ion Ratio Lower Upper
70 100
42 59.6 63.6 95.4#
101 0.0 9.2 13.8#
130 2.9 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BG038563.D
Acq: 14 Dec 2018 11:06

Tgt Ion:136 Resp: 98189
Ion Ratio Lower Upper
136 100
137 10.1 9.3 13.9
54 10.6 8.5 12.7
68 5.3 3.5 5.3

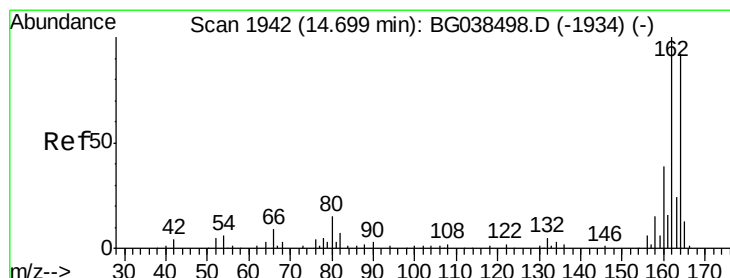
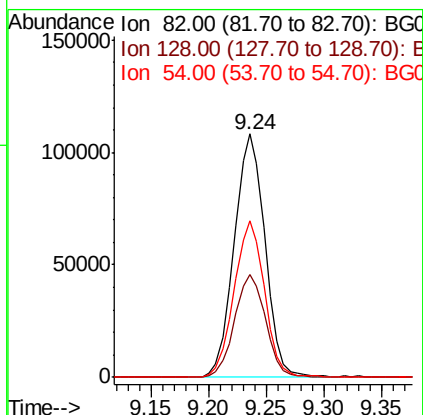
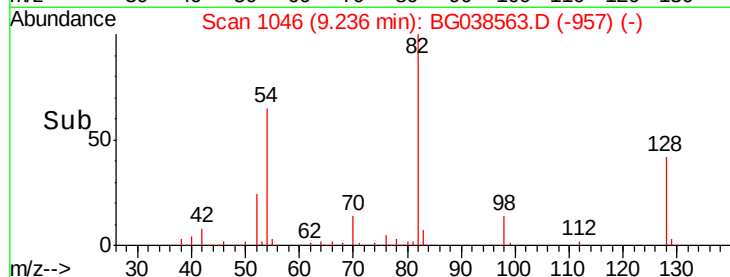
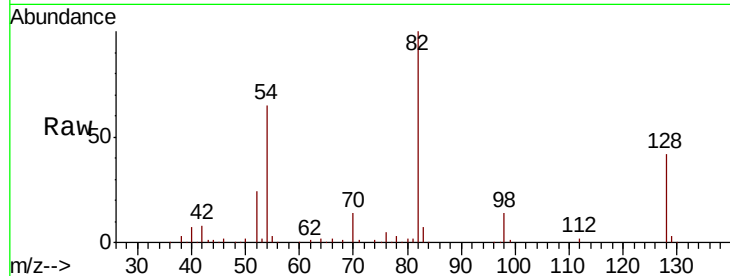




#23
Nitrobenzene-d5
Concen: 103.908 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG038563.D
Acq: 14 Dec 2018 11:06

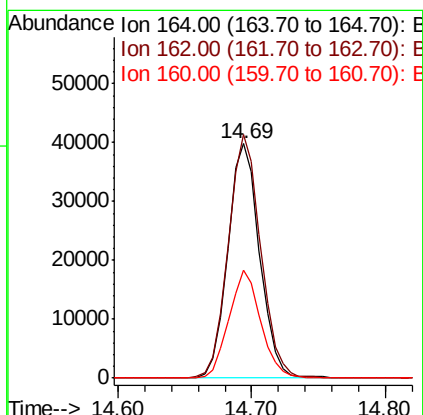
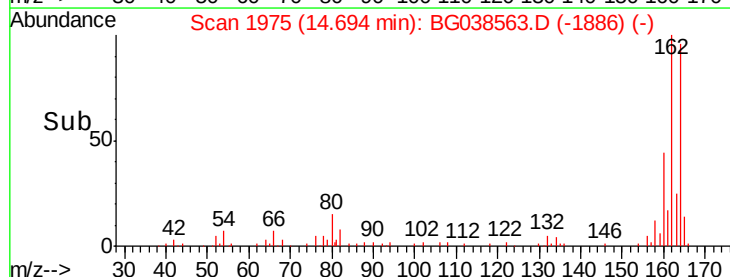
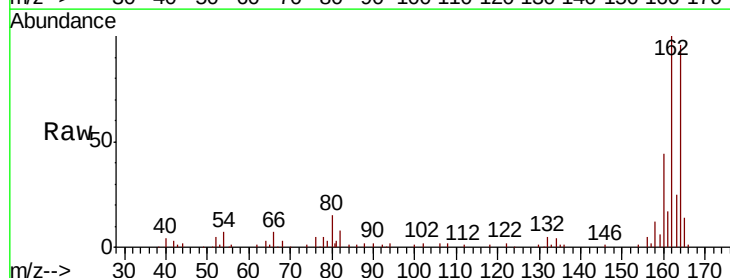
Instrument :
BNA_F
ClientSampled :

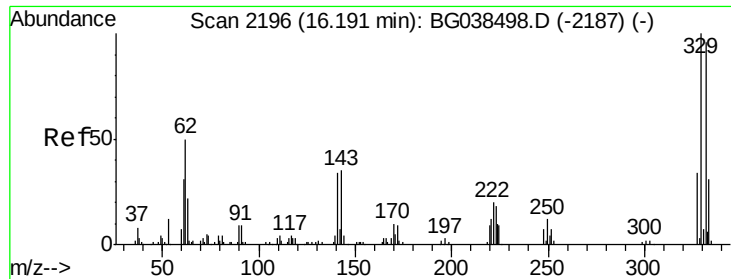
Tot Ion: 82 Resp: 199710
Ion Ratio Lower Upper
82 100
128 42.0 34.6 52.0
54 64.6 50.6 76.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BG038563.D
Acq: 14 Dec 2018 11:06

Tgt Ion:164 Resp: 66024
Ion Ratio Lower Upper
164 100
162 103.9 86.6 130.0
160 45.9 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 161.154 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG038563.D

Acq: 14 Dec 2018 11:06

Instrument :

BNA_F

ClientSampleId :

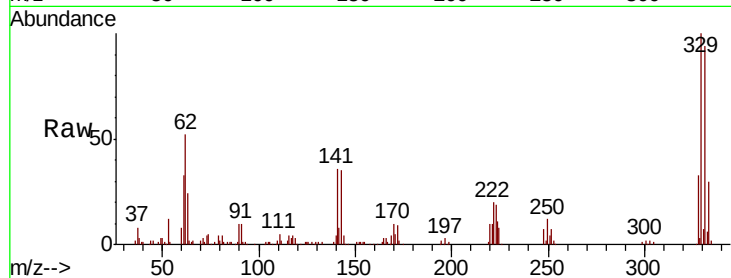
Tot Ion:330 Resp: 146639

Ion Ratio Lower Upper

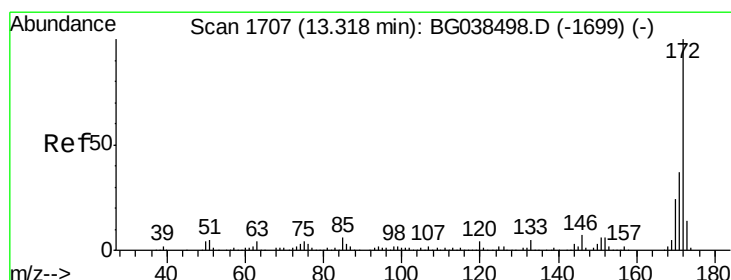
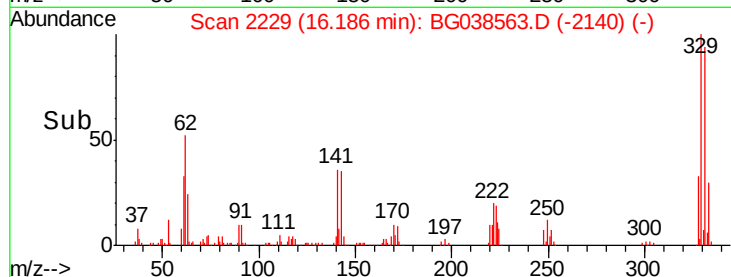
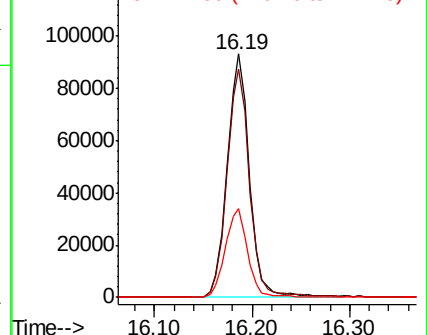
330 100

332 95.8 76.9 115.3

141 36.5 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: 96.767 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.00 min

Lab File: BG038563.D

Acq: 14 Dec 2018 11:06

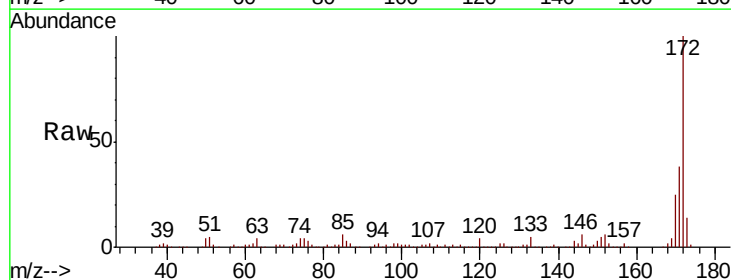
Tgt Ion:172 Resp: 465719

Ion Ratio Lower Upper

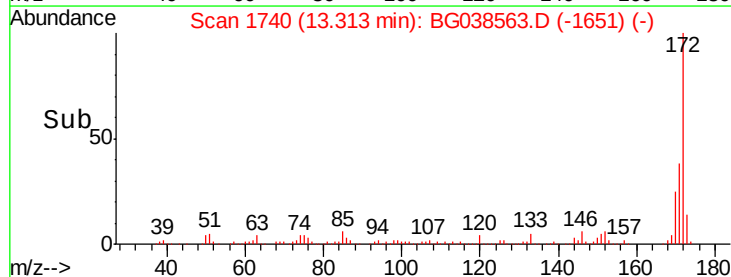
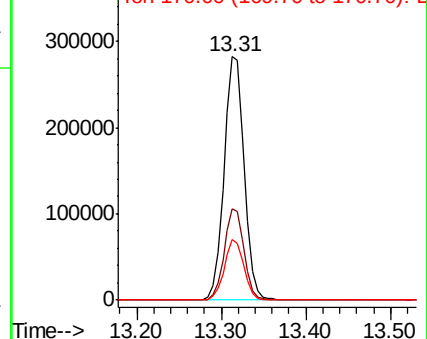
172 100

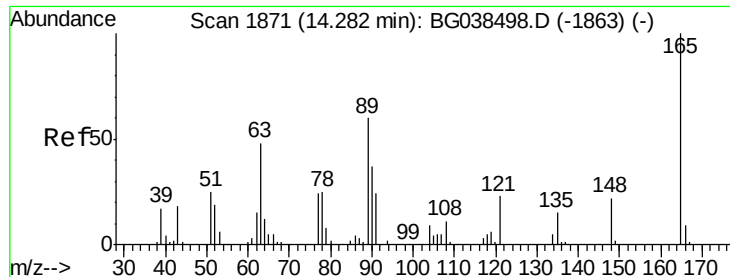
171 37.7 29.8 44.6

170 24.7 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

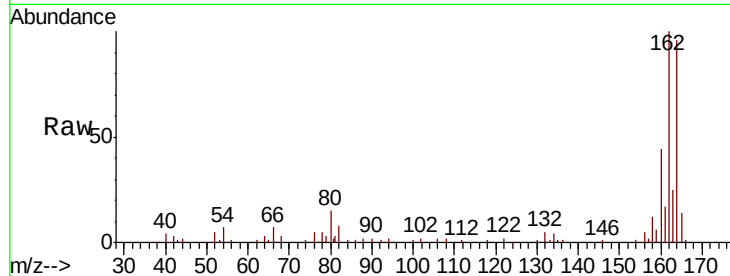




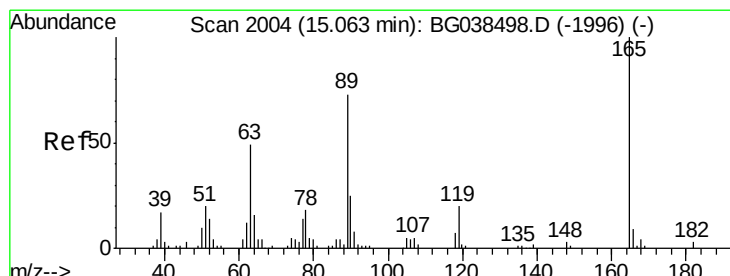
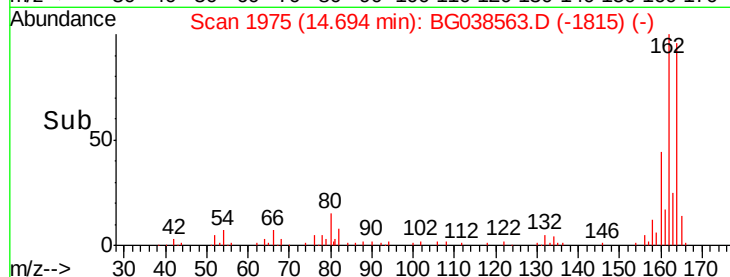
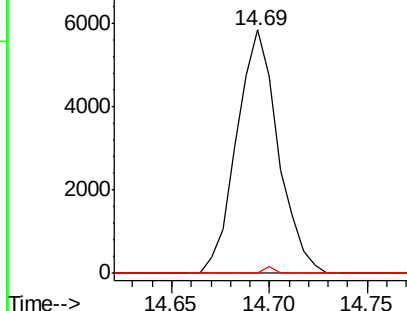
#51
 2,6-Dinitrotoluene
 Concen: 7.036 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038563.D
 Acq: 14 Dec 2018 11:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	0.0	47.9	71.9#

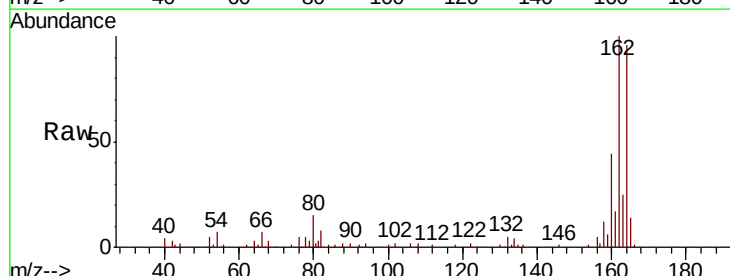


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

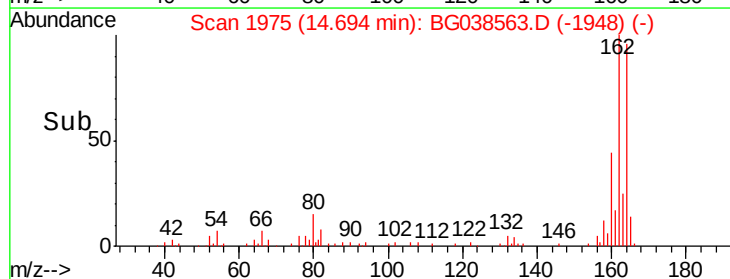
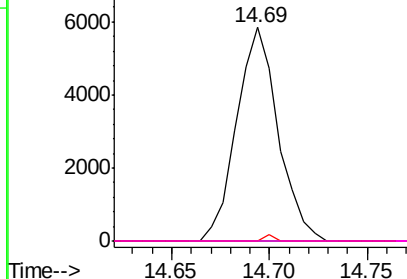


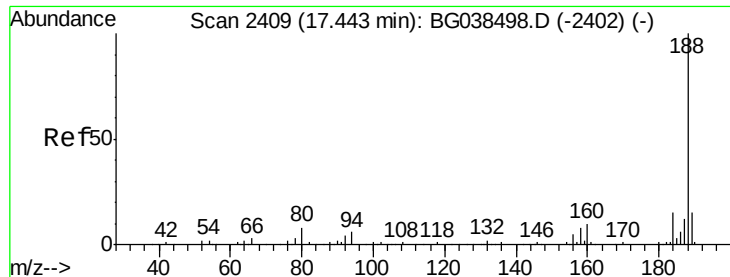
#57
 2,4-Dinitrotoluene
 Concen: 4.996 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038563.D
 Acq: 14 Dec 2018 11:06

Tgt 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

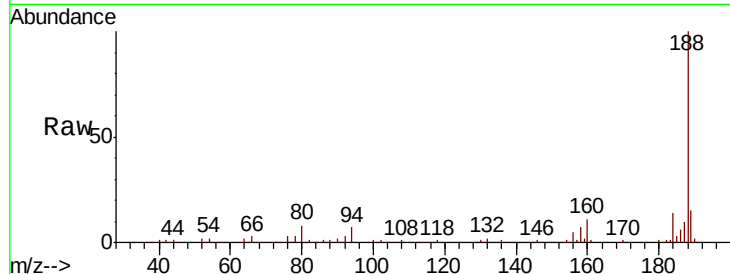




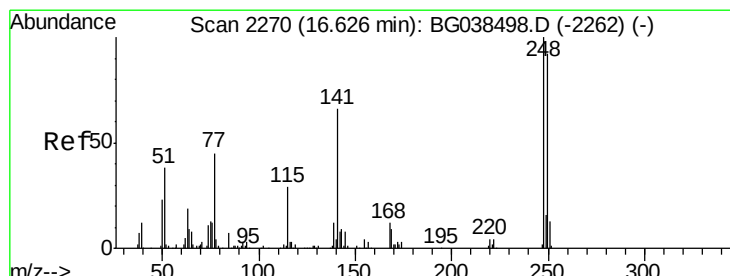
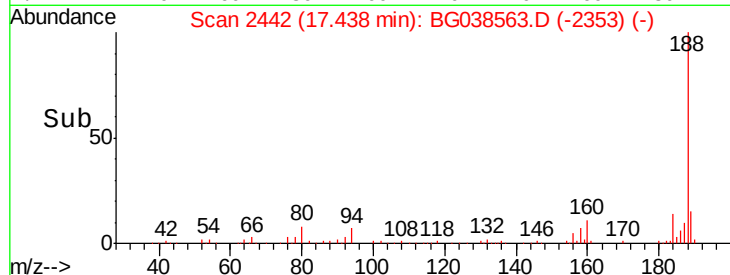
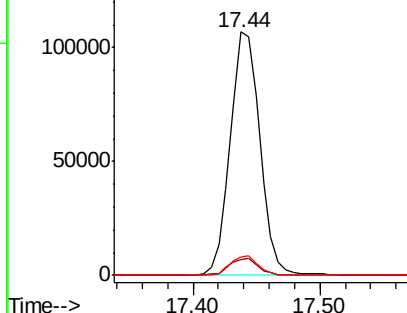
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BG038563.D
Acq: 14 Dec 2018 11:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 172418
Ion Ratio Lower Upper
188 100
94 6.6 5.1 7.7
80 7.7 6.1 9.1

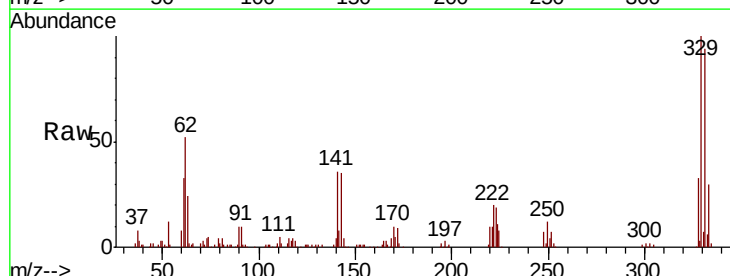


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

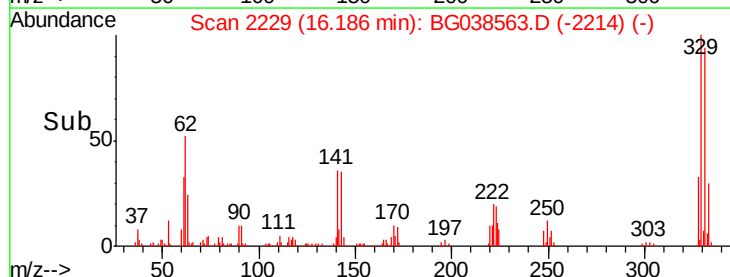
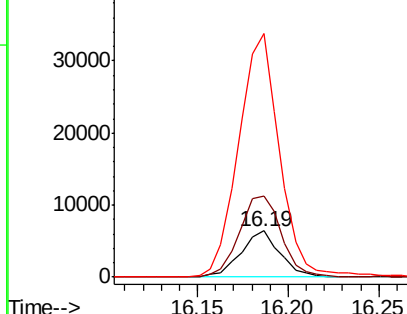


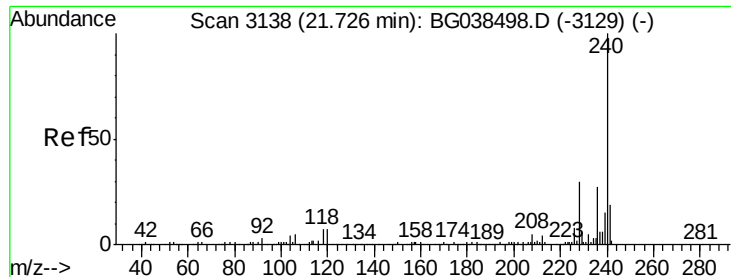
#67
4-Bromophenyl-phenylether
Concen: 4.567 ng
RT: 16.19 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038563.D
Acq: 14 Dec 2018 11:06

Tgt Ion:248 Resp: 9616
Ion Ratio Lower Upper
248 100
250 182.9 73.4 110.2#
141 414.6 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

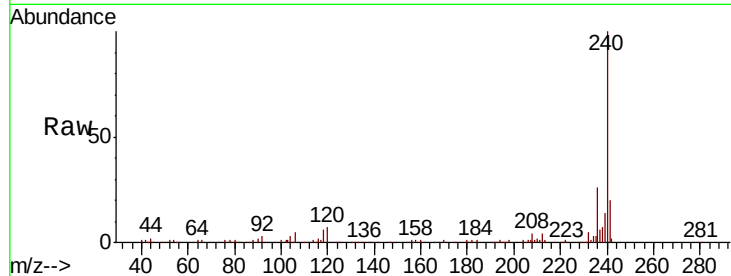




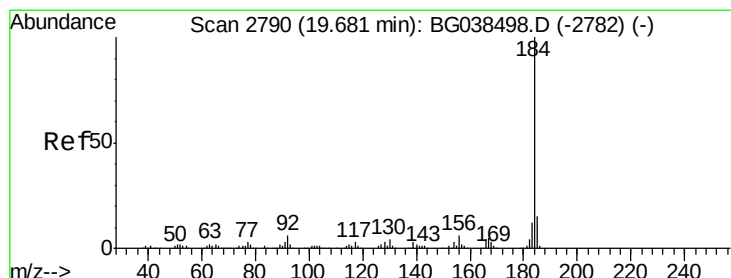
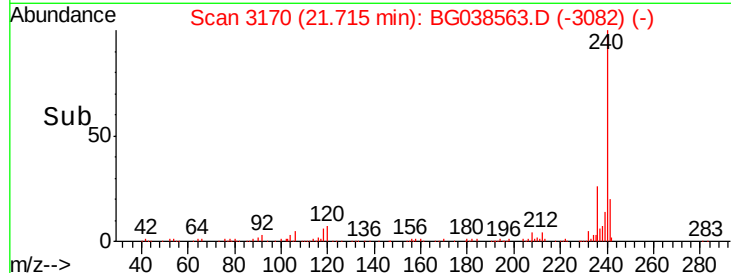
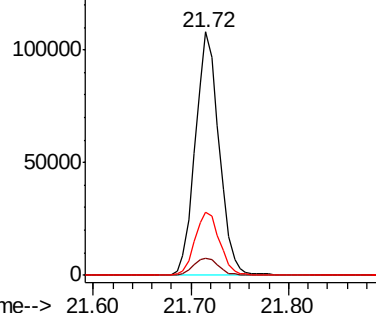
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3170
Delta R.T. -0.01 min
Lab File: BG038563.D
Acq: 14 Dec 2018 11:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 182615
Ion Ratio Lower Upper
240 100
120 6.9 5.3 7.9
236 25.7 21.4 32.2

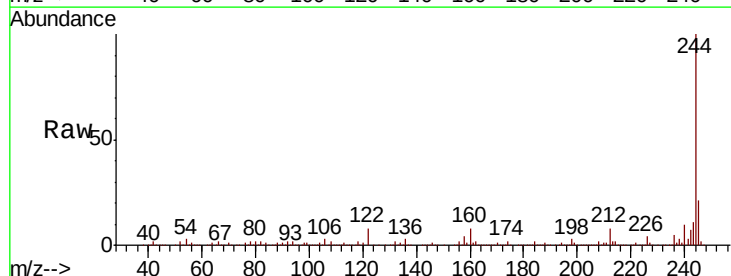


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

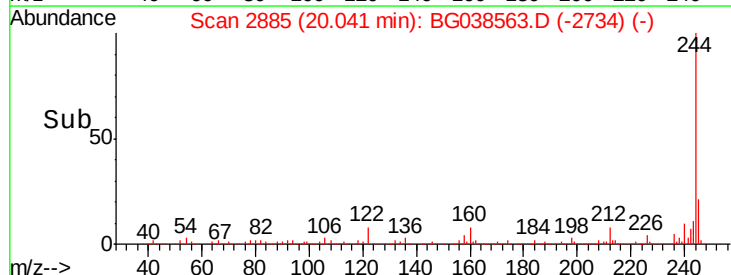
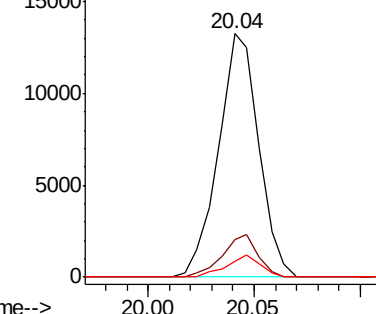


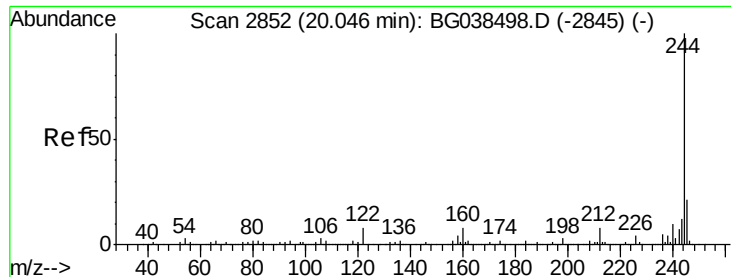
#77
Benzidine
Concen: 3.246 ng
RT: 20.04 min Scan# 2885
Delta R.T. 0.36 min
Lab File: BG038563.D
Acq: 14 Dec 2018 11:06

Tgt Ion:184 Resp: 17532
Ion Ratio Lower Upper
184 100
185 15.4 12.2 18.2
183 6.2 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: 112.207 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038563.D

Acq: 14 Dec 2018 11:06

Instrument :

BNA_F

ClientSampleId :

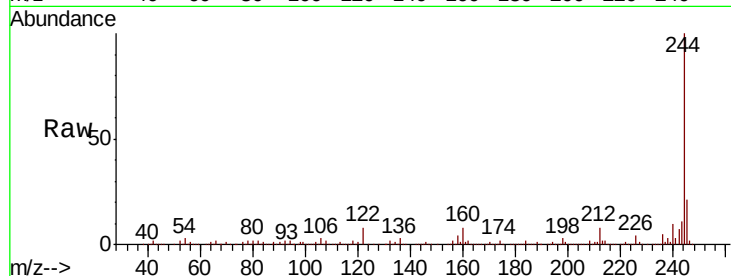
Tot Ion:244 Resp: 941520

Ion Ratio Lower Upper

244 100

212 8.3 6.2 9.2

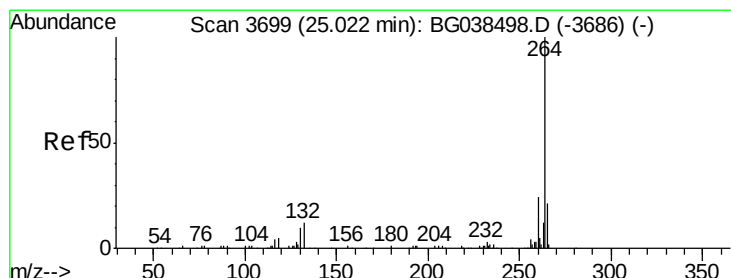
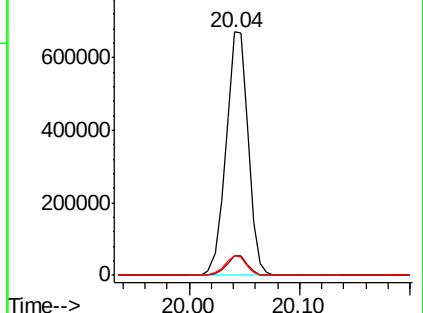
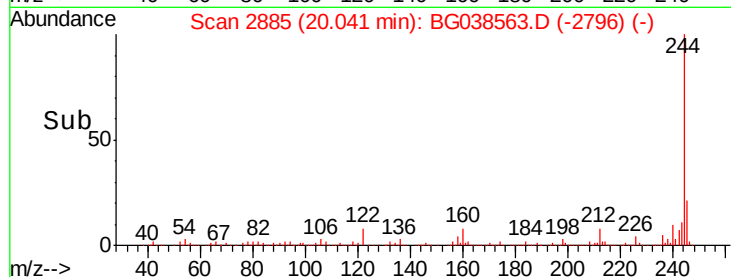
122 8.0 6.3 9.5



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: BG038563.D

Acq: 14 Dec 2018 11:06

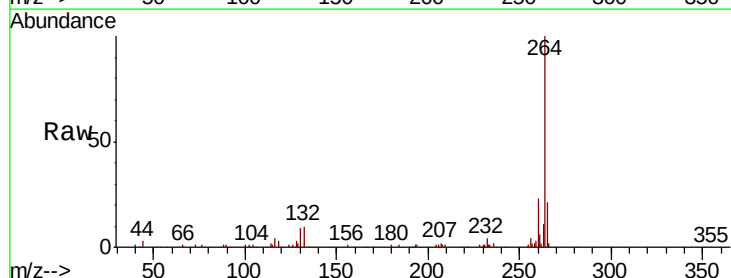
Tgt Ion:264 Resp: 191911

Ion Ratio Lower Upper

264 100

260 23.2 18.9 28.3

265 20.9 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

