

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
 Data File : BG038873.D
 Acq On : 28 Dec 2018 12:17
 Operator : JU/SJ
 Sample : J6548-19
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 14:19:39 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

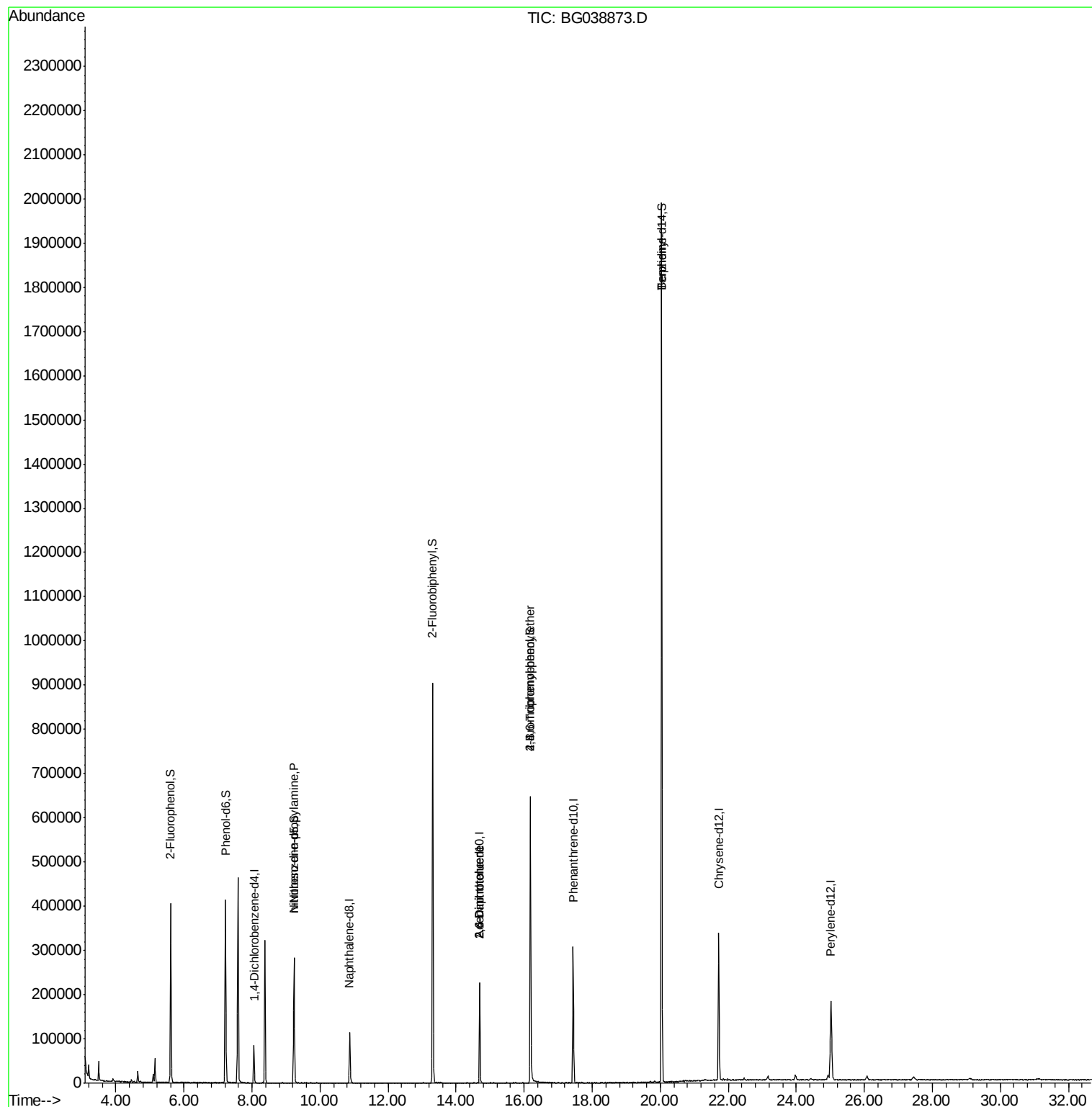
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	25484	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	105661	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	82572	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	206290	20.00	ng	0.00
76) Chrysene-d12	21.72	240	218412	20.00	ng	0.00
87) Perylene-d12	25.02	264	230187	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	179638	125.03	ng	0.01
7) Phenol-d6	7.22	99	240610	121.98	ng	0.01
23) Nitrobenzene-d5	9.23	82	172344	83.33	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	149286	131.18	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	512657	85.17	ng	0.00
79) Terphenyl-d14	20.04	244	988813	98.53	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	22968	16.579	ng	# 68
51) 2,6-Dinitrotoluene	14.69	165	10999	7.198	ng	# 21
57) 2,4-Dinitrotoluene	14.69	165	10999	5.110	ng	# 23
67) 4-Bromophenyl-phenylether	16.18	248	9250	3.672	ng	# 1
77) Benzidine	20.04	184	16637	2.576	ng	# 93

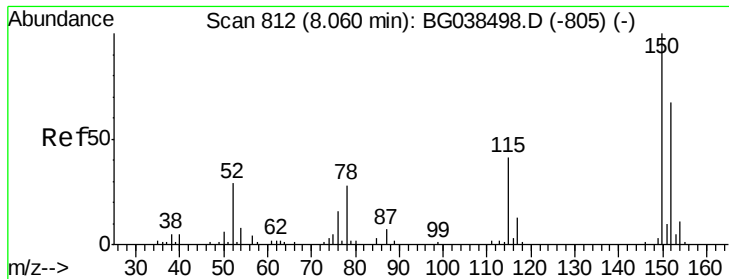
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration



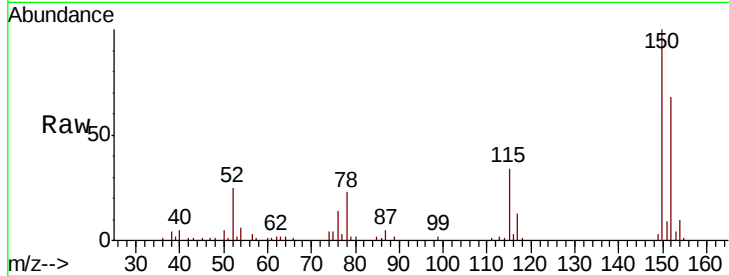


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038873.D
Acq: 28 Dec 2018 12:17

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.8	119.5	179.3
115	50.8	49.6	74.4

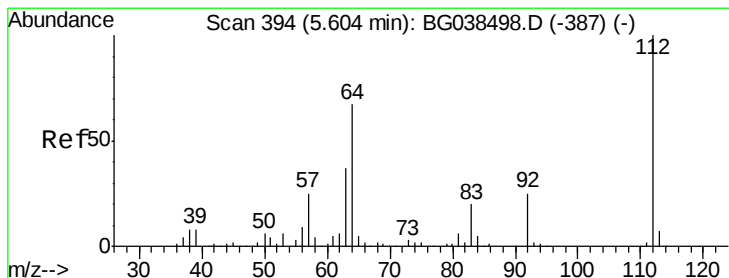
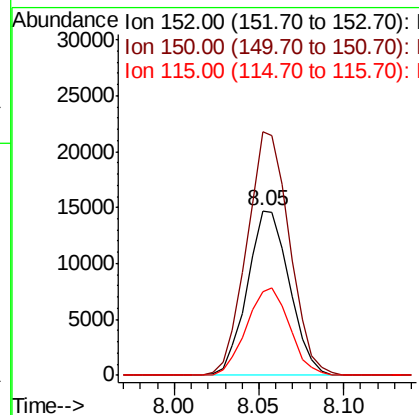
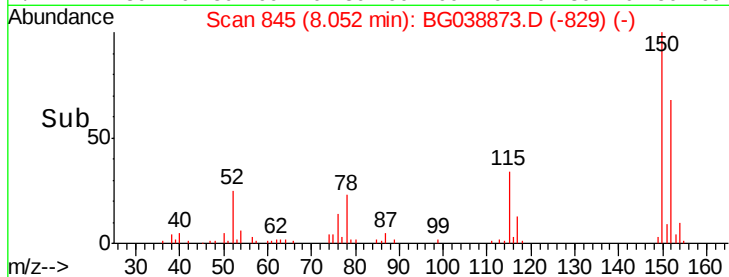


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

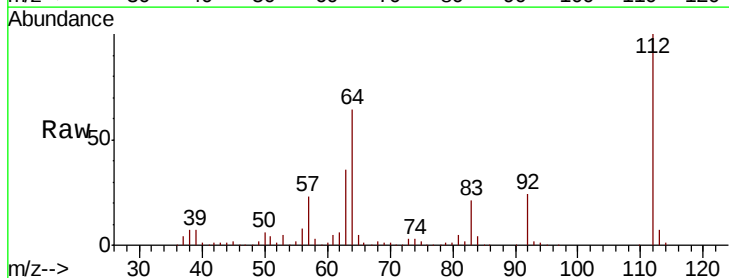
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 125.026 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG038873.D
Acq: 28 Dec 2018 12:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	53.4	80.2
63	36.2	29.3	43.9

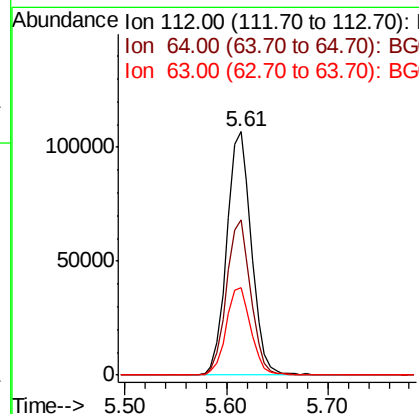
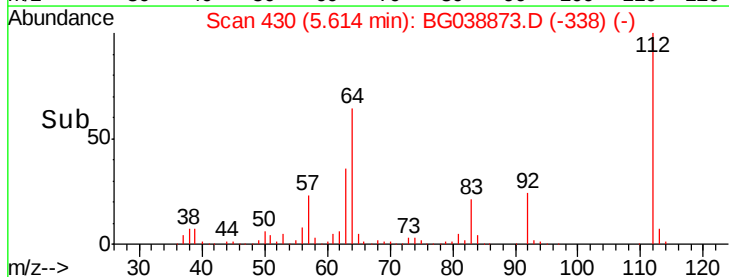


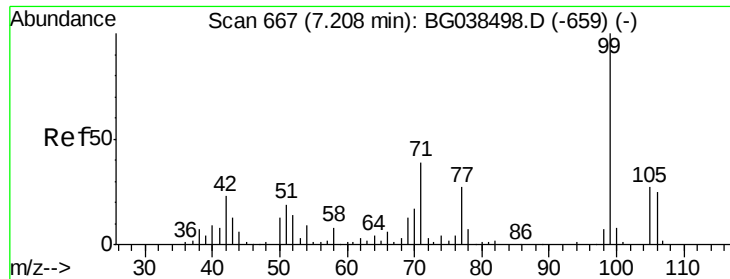
Abundance

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: 121.985 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038873.D

Acq: 28 Dec 2018 12:17

Instrument :
BNA_F
ClientSampleId :

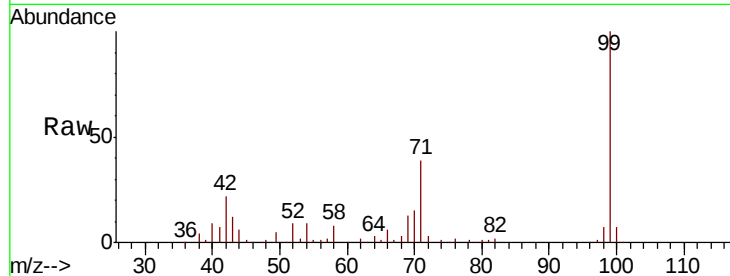
Tot Ion: 99 Resp: 240610

Ion Ratio Lower Upper

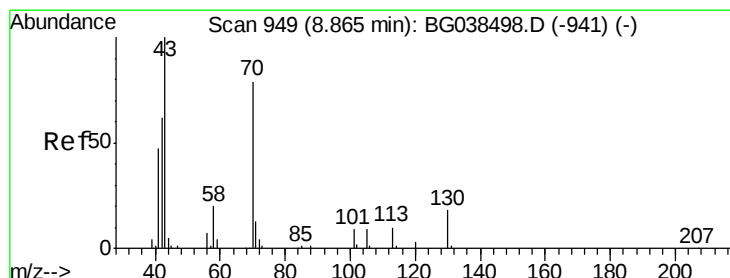
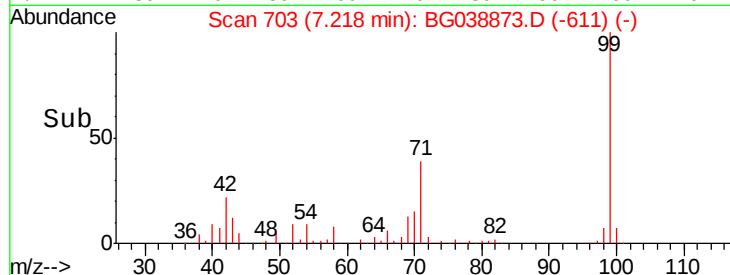
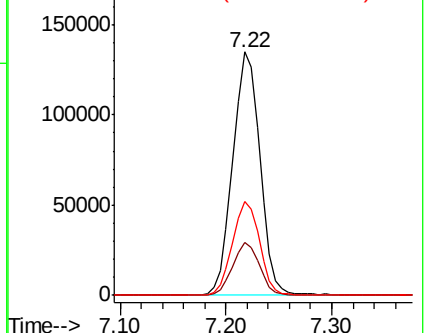
99 100

42 21.6 18.5 27.7

71 38.8 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.579 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038873.D

Acq: 28 Dec 2018 12:17

Tgt Ion: 70 Resp: 22968

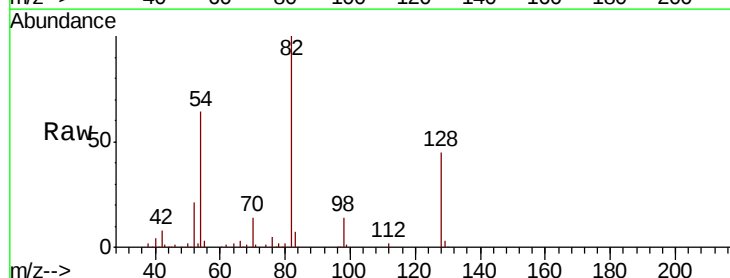
Ion Ratio Lower Upper

70 100

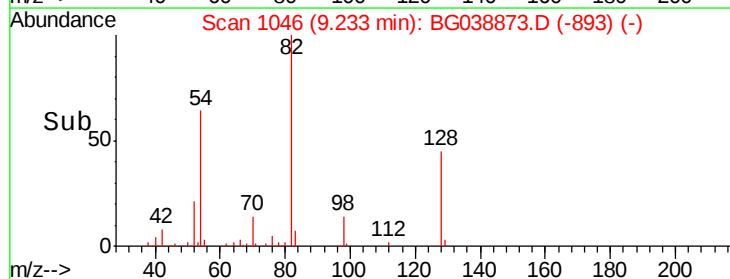
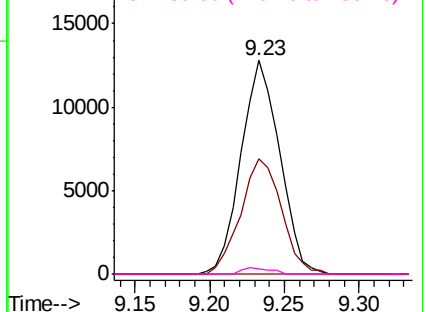
42 53.9 63.6 95.4#

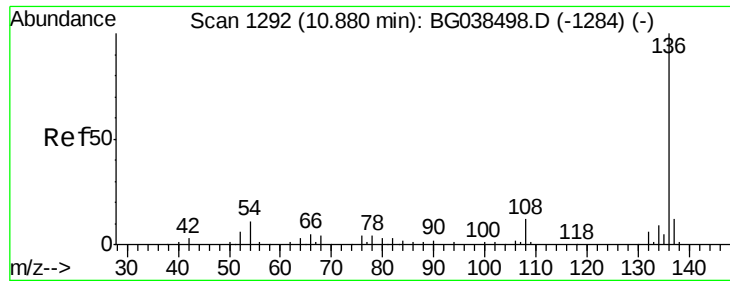
101 0.0 9.2 13.8#

130 2.4 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

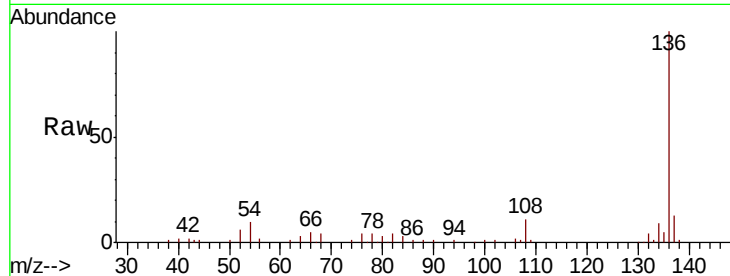




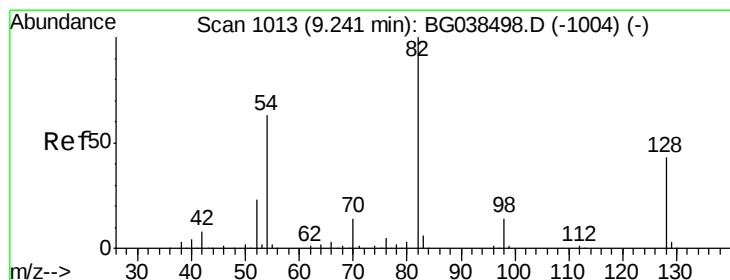
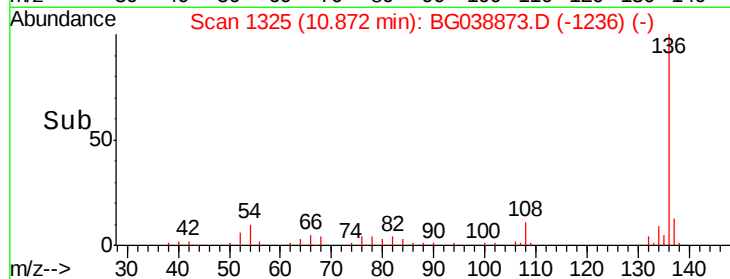
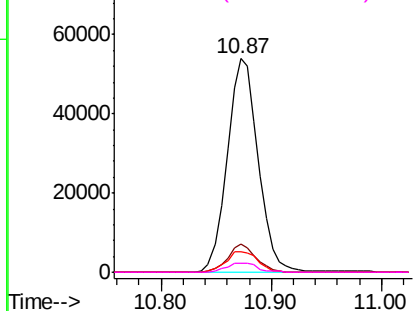
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038873.D
Acq: 28 Dec 2018 12:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	105661
Ion Ratio	Lower	Upper
136	100	
137	13.0	9.3 13.9
54	9.7	8.5 12.7
68	4.5	3.5 5.3

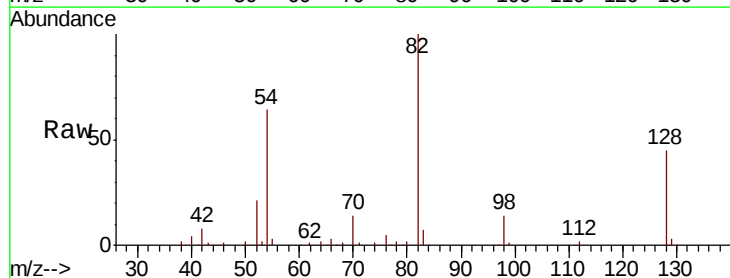


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

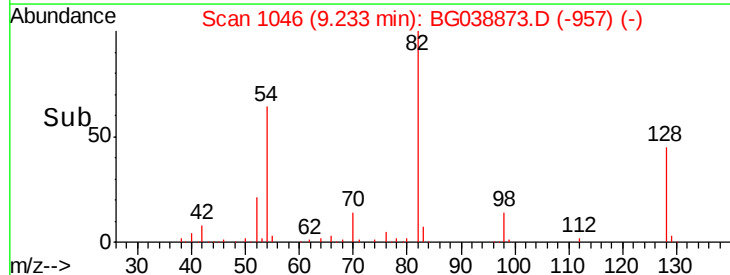
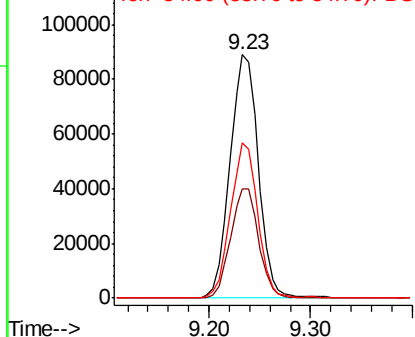


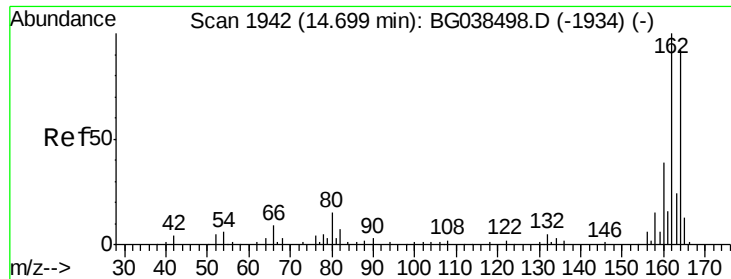
#23
Nitrobenzene-d5
Concen: 83.328 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038873.D
Acq: 28 Dec 2018 12:17

Tgt Ion: 82	Resp:	172344
Ion Ratio	Lower	Upper
82	100	
128	45.1	34.6 52.0
54	63.7	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038873.D

Acq: 28 Dec 2018 12:17

Instrument :

BNA_F

ClientSampleId :

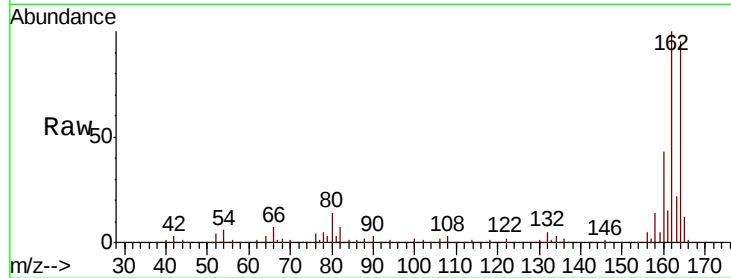
Tot Ion:164 Resp: 82572

Ion Ratio Lower Upper

164 100

162 105.7 86.6 130.0

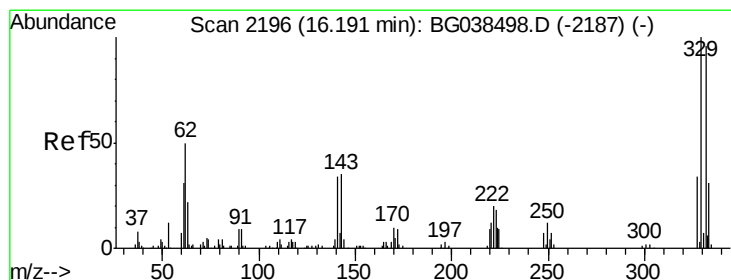
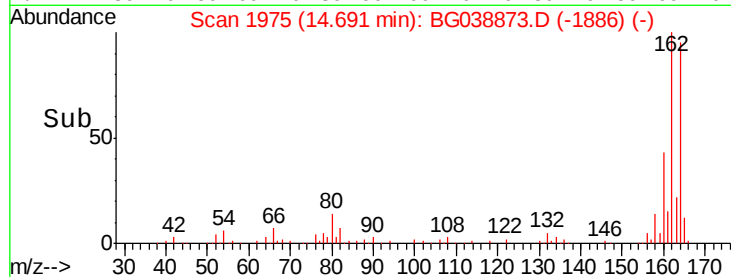
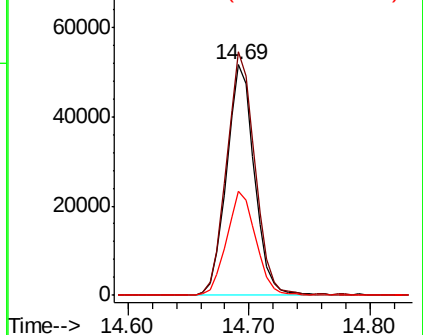
160 45.0 34.2 51.2



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: 131.184 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038873.D

Acq: 28 Dec 2018 12:17

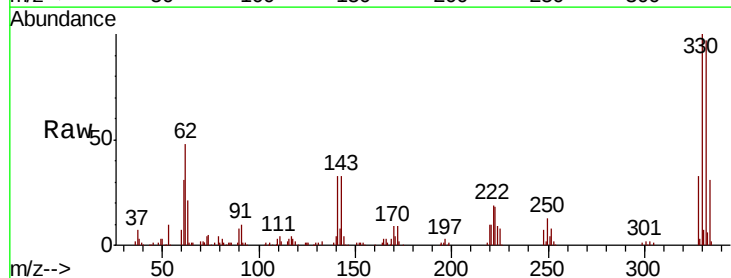
Tgt Ion:330 Resp: 149286

Ion Ratio Lower Upper

330 100

332 93.8 76.9 115.3

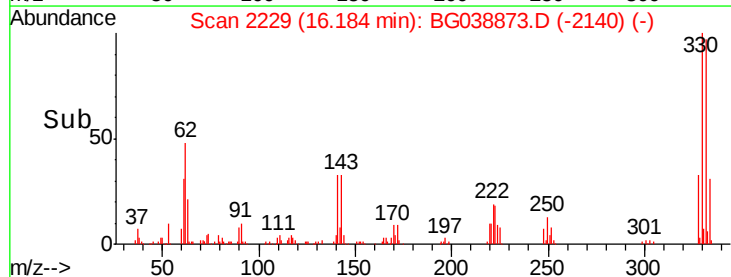
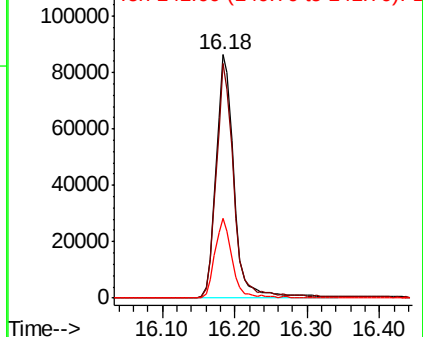
141 31.2 28.8 43.2



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

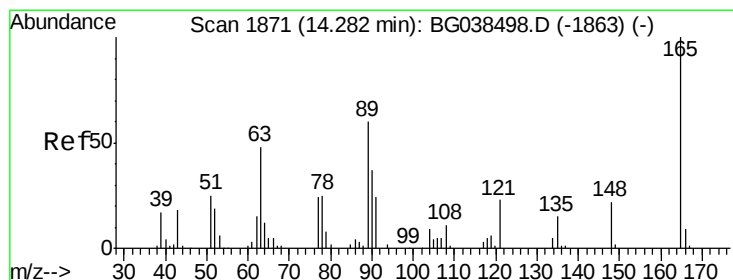
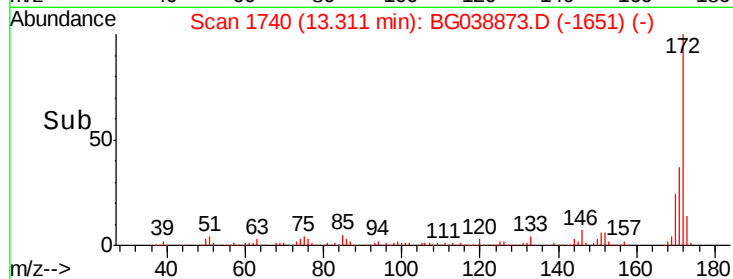
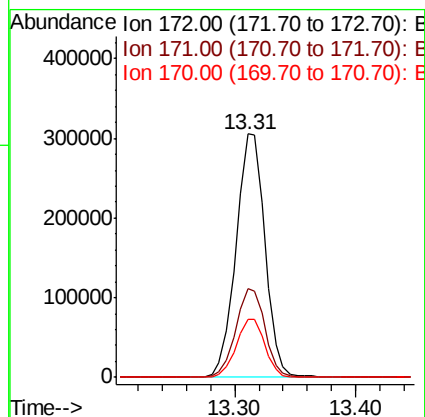
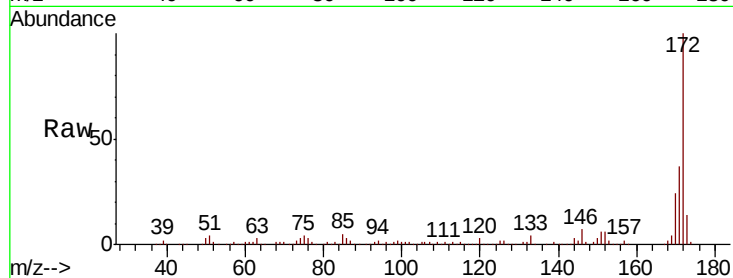




#45
2-Fluorobiphenyl
Concen: 85.173 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG038873.D
Acq: 28 Dec 2018 12:17

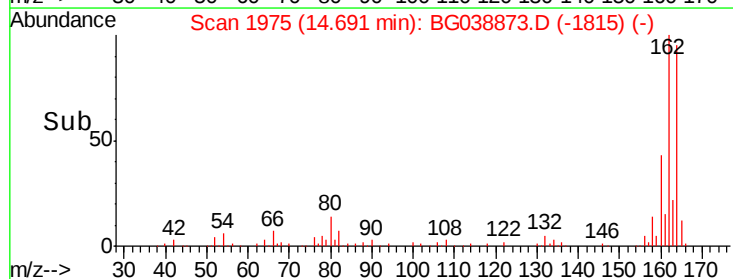
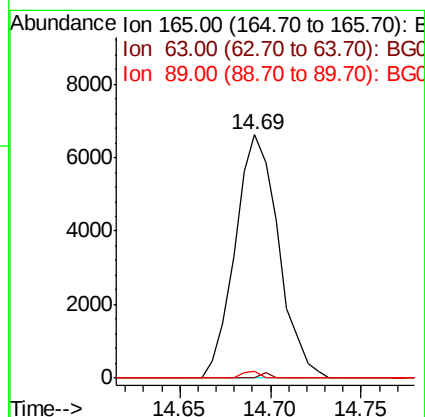
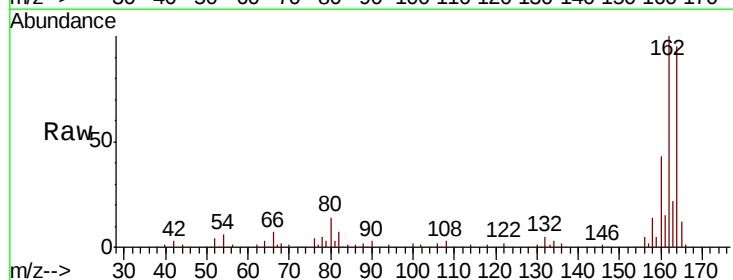
Instrument :
BNA_F
ClientSampleId :

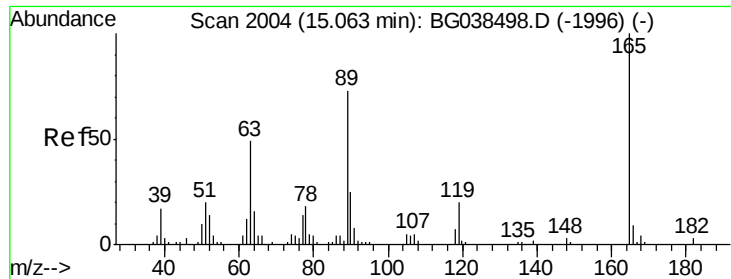
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.8	44.6
170	23.7	19.5	29.3



#51
2,6-Dinitrotoluene
Concen: 7.198 ng
RT: 14.69 min Scan# 1975
Delta R.T. 0.41 min
Lab File: BG038873.D
Acq: 28 Dec 2018 12:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	3.0	47.9	71.9#

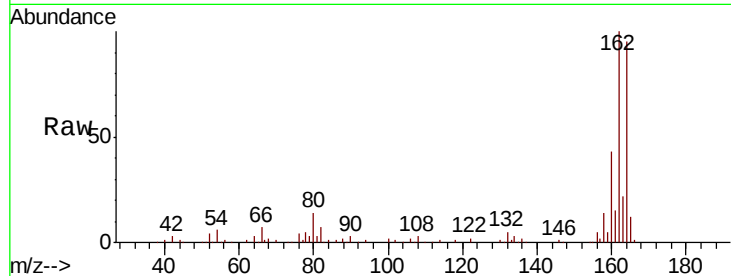




#57
 2,4-Dinitrotoluene
 Concen: 5.110 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038873.D
 Acq: 28 Dec 2018 12:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	3.0	58.0	87.0#
182	0.0	2.3	3.5#



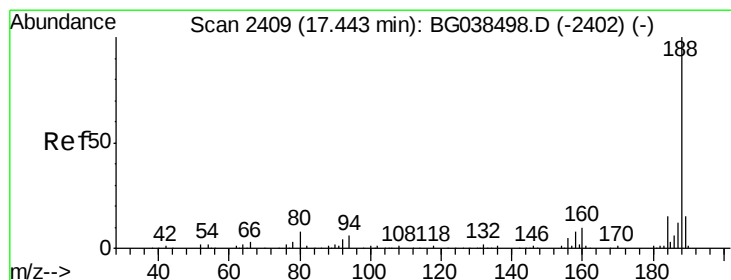
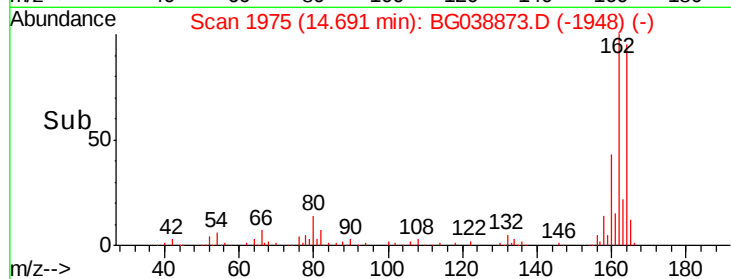
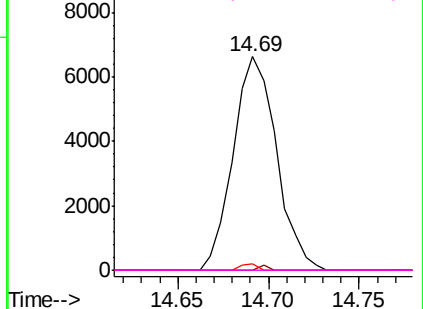
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

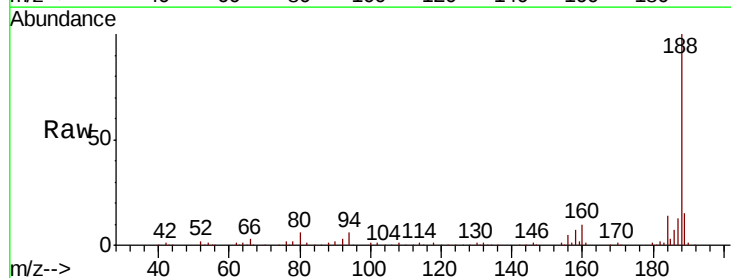
Ion 89.00 (88.70 to 89.70): BGC

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: BG038873.D
 Acq: 28 Dec 2018 12:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.7	5.1	7.7
80	6.4	6.1	9.1

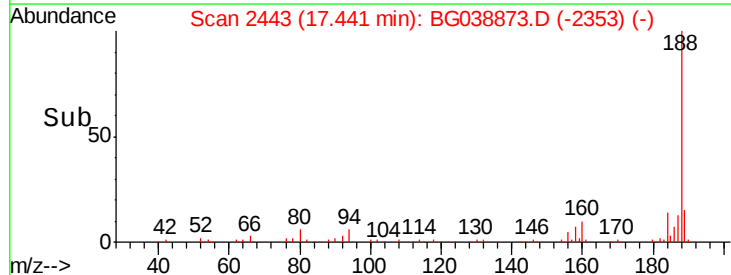
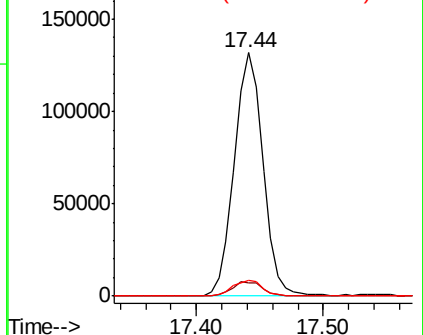


Abundance

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

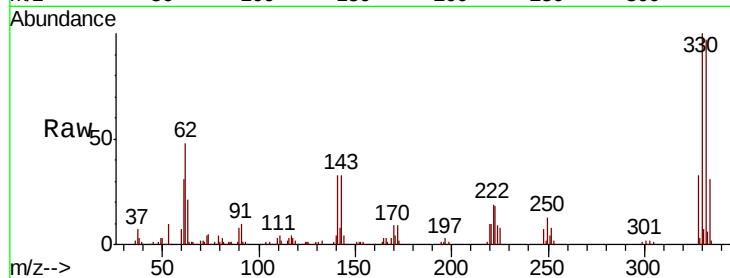




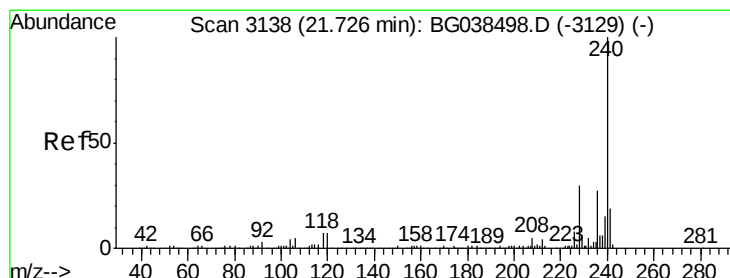
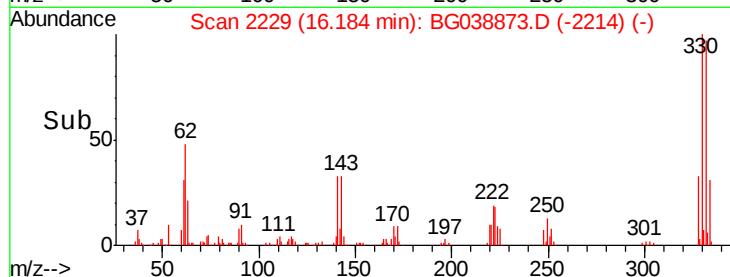
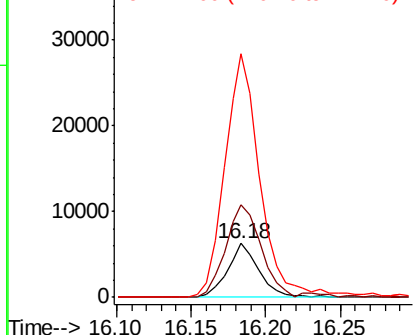
#67
4-Bromophenyl-phenylether
Concen: 3.672 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038873.D
Acq: 28 Dec 2018 12:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9250
Ion Ratio Lower Upper
248 100
250 180.8 73.4 110.2#
141 359.5 52.9 79.3#

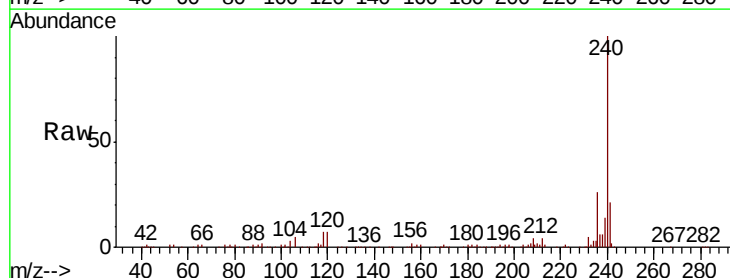


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

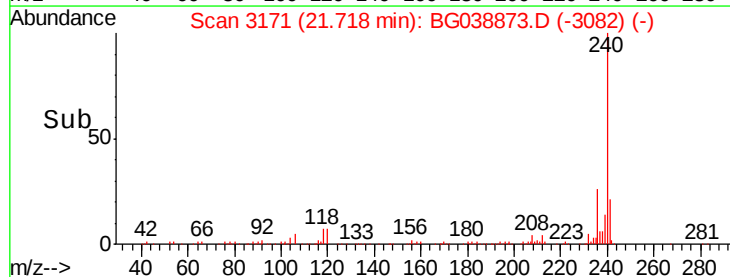
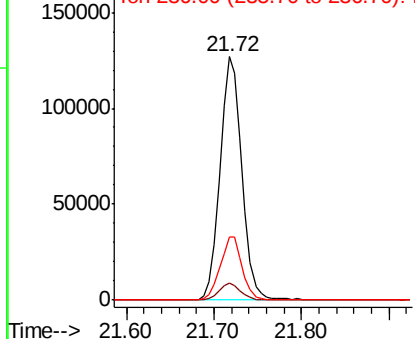


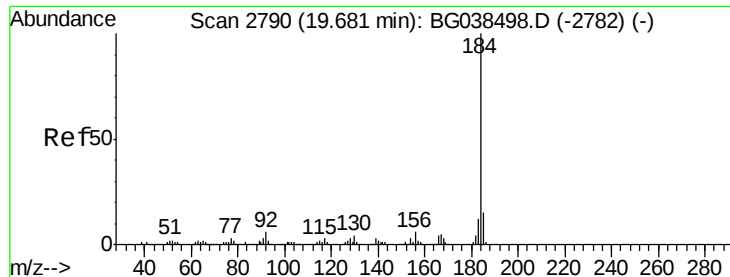
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038873.D
Acq: 28 Dec 2018 12:17

Tgt Ion:240 Resp: 218412
Ion Ratio Lower Upper
240 100
120 6.9 5.3 7.9
236 25.9 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: 2.576 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038873.D

Acq: 28 Dec 2018 12:17

Instrument :

BNA_F

ClientSampleId :

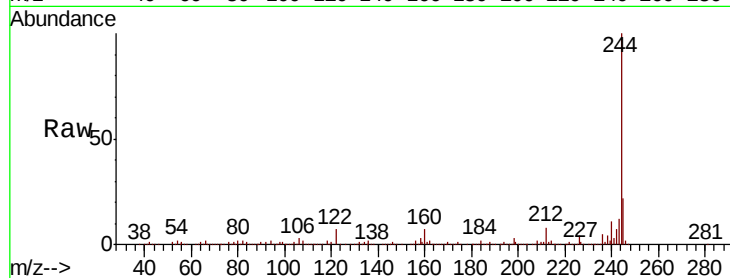
Tot Ion:184 Resp: 16637

Ion Ratio Lower Upper

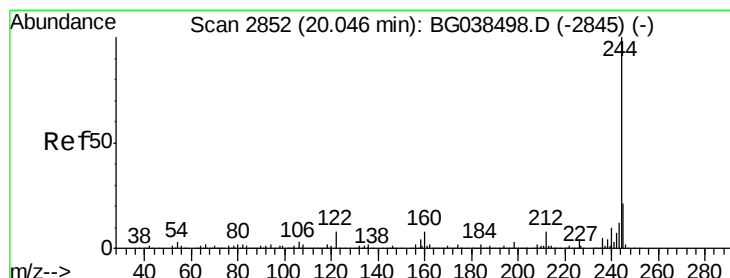
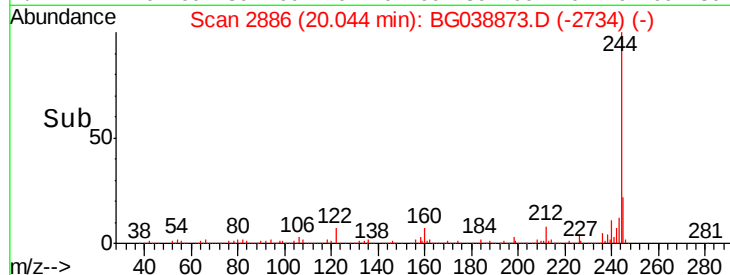
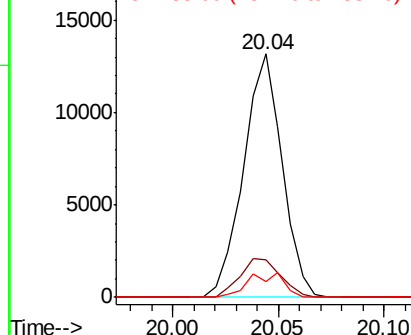
184 100

185 15.6 12.2 18.2

183 6.4 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: 98.529 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038873.D

Acq: 28 Dec 2018 12:17

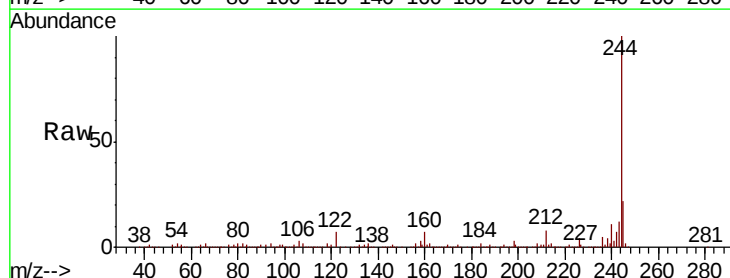
Tgt Ion:244 Resp: 988813

Ion Ratio Lower Upper

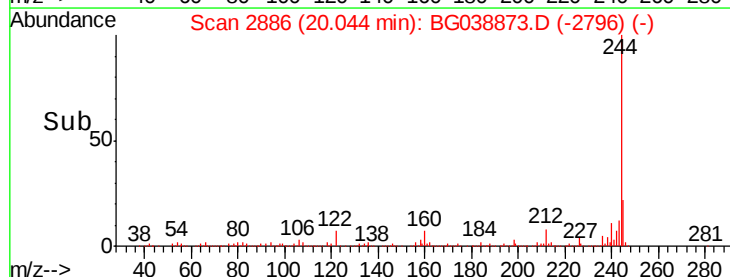
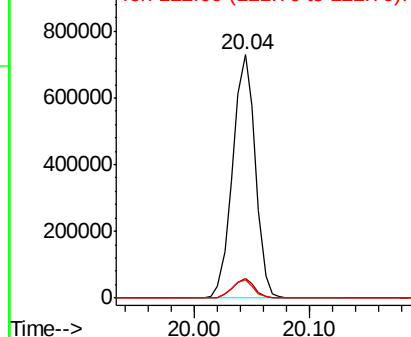
244 100

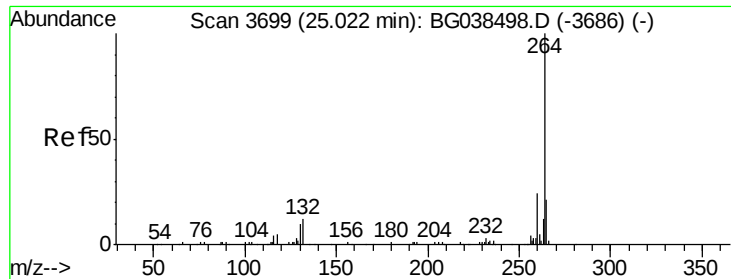
212 8.1 6.2 9.2

122 7.4 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

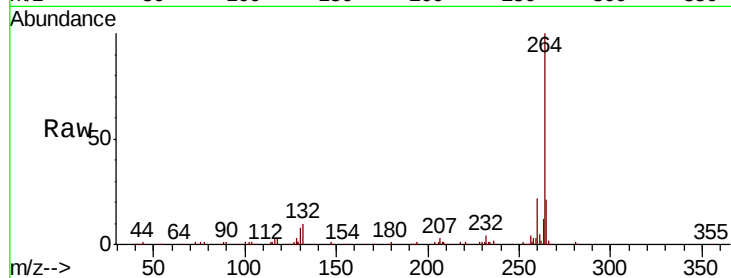




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.02 min Scan# 3733
 Delta R.T. -0.00 min
 Lab File: BG038873.D
 Acq: 28 Dec 2018 12:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.9	28.3
265	20.7	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

