

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
 Data File : BG038872.D
 Acq On : 28 Dec 2018 11:38
 Operator : JU/SJ
 Sample : J6505-18
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 14:19:31 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

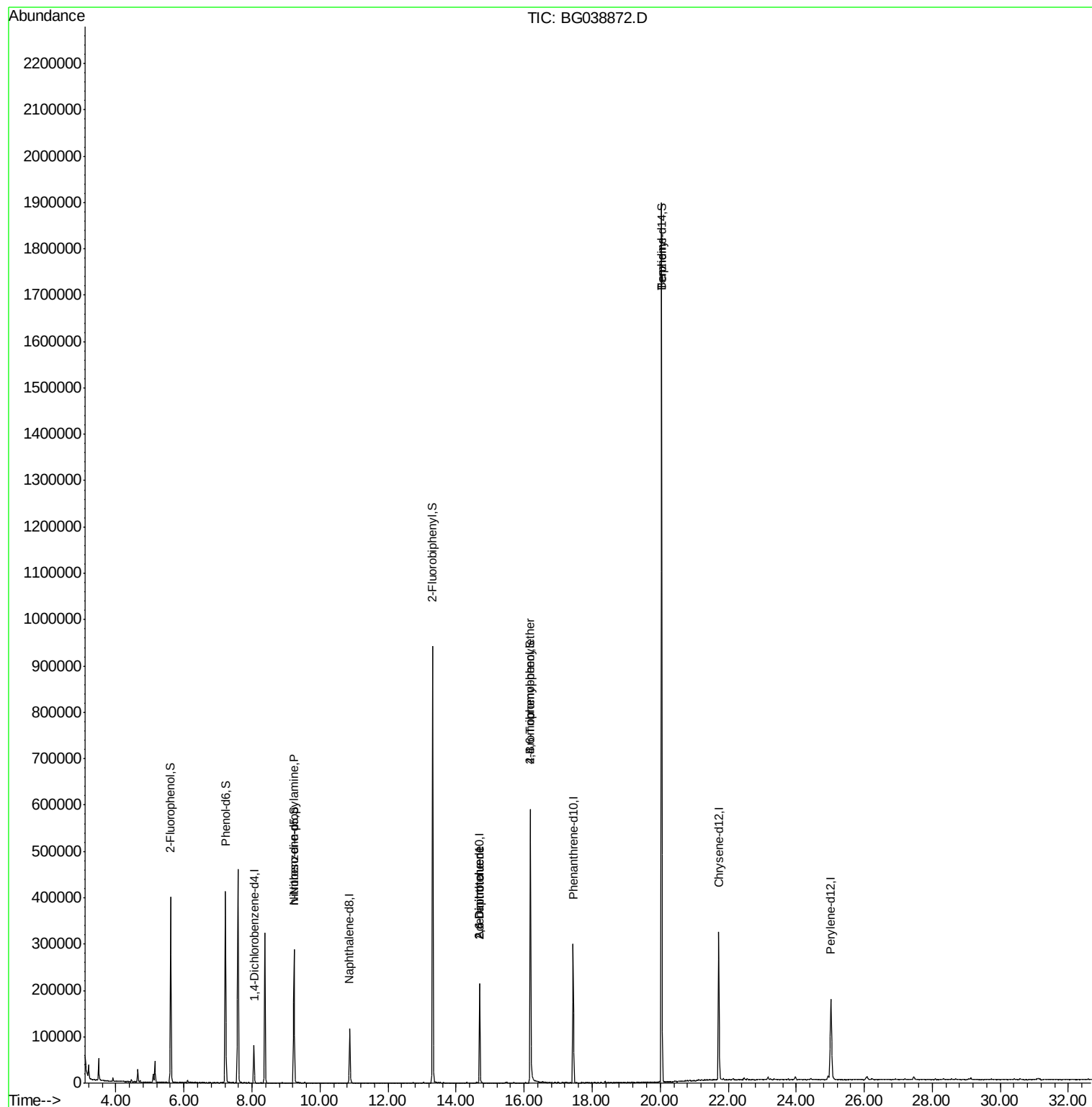
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	23518	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	103964	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	80301	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	203281	20.00	ng	0.00
76) Chrysene-d12	21.72	240	209387	20.00	ng	0.00
87) Perylene-d12	25.02	264	224119	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	178543	134.65	ng	0.00
7) Phenol-d6	7.22	99	236693	130.03	ng	0.01
23) Nitrobenzene-d5	9.23	82	172253	84.64	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	141653	128.00	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	514393	87.88	ng	0.00
79) Terphenyl-d14	20.04	244	964830	100.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	22621	17.694	ng	# 69
51) 2,6-Dinitrotoluene	14.69	165	10211	6.871	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	10211	4.878	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	9098	3.665	ng	# 1
77) Benzidine	20.04	184	16162	2.610	ng	96

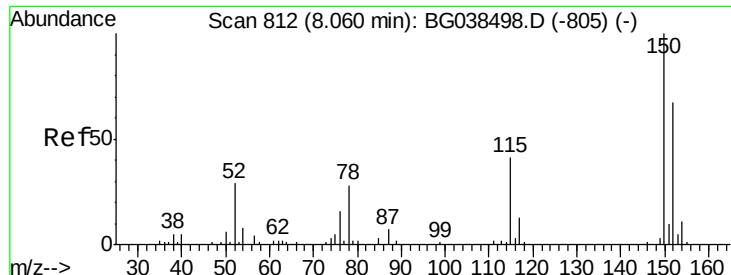
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



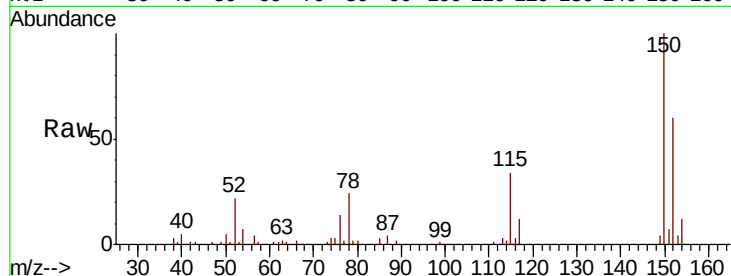


#1

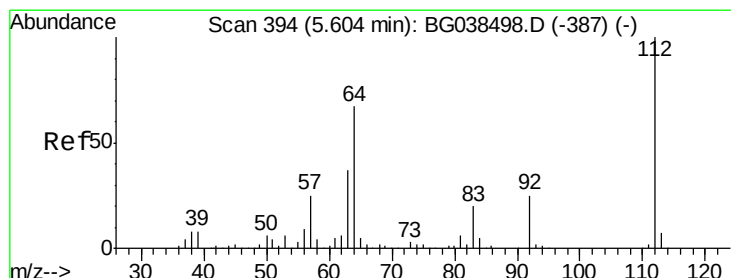
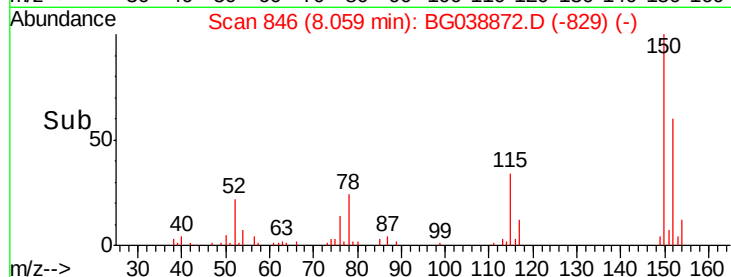
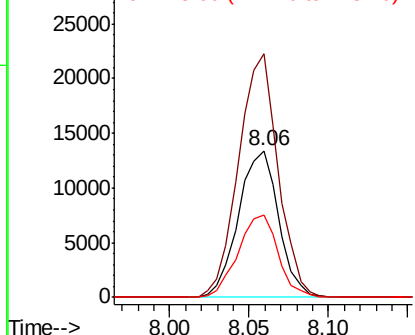
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038872.D
Acq: 28 Dec 2018 11:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 23518
Ion Ratio Lower Upper
152 100
150 165.7 119.5 179.3
115 55.8 49.6 74.4



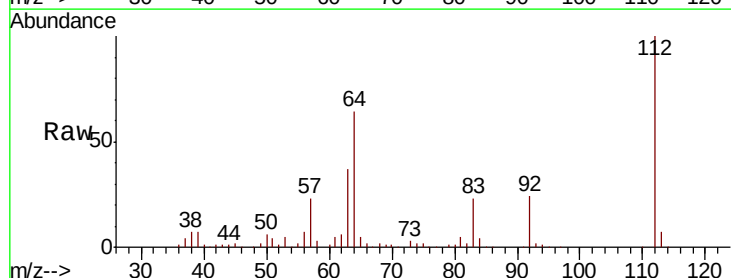
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



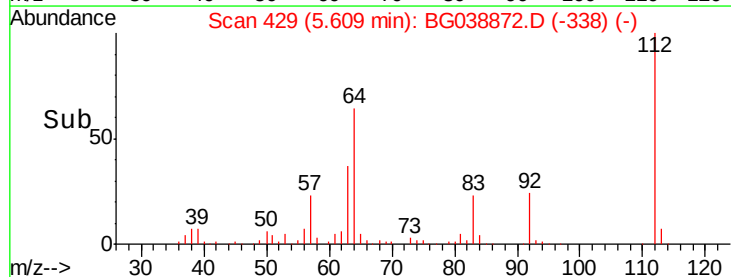
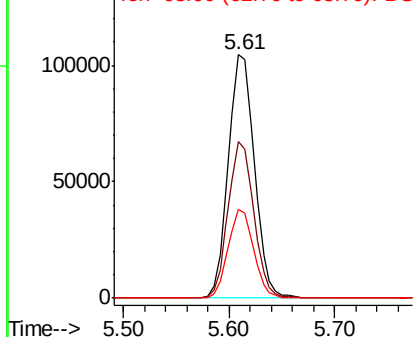
#5

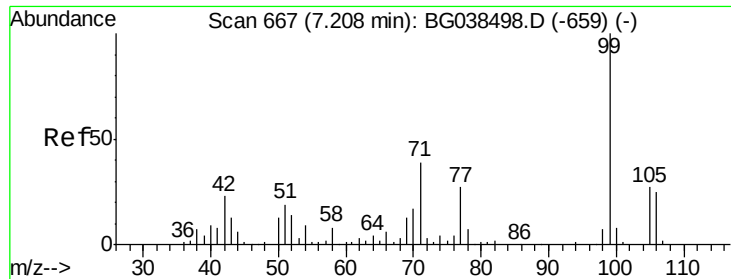
2-Fluorophenol
Concen: 134.651 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038872.D
Acq: 28 Dec 2018 11:38

Tgt Ion:112 Resp: 178543
Ion Ratio Lower Upper
112 100
64 64.3 53.4 80.2
63 36.5 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: 130.030 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038872.D

Acq: 28 Dec 2018 11:38

Instrument :

BNA_F

ClientSampleId :

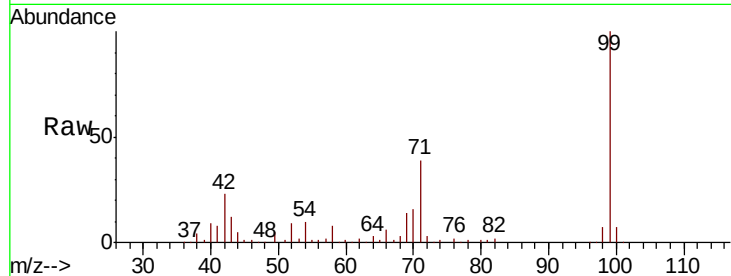
Tot Ion: 99 Resp: 236693

Ion Ratio Lower Upper

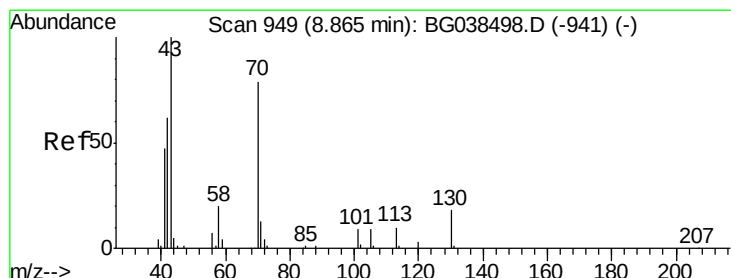
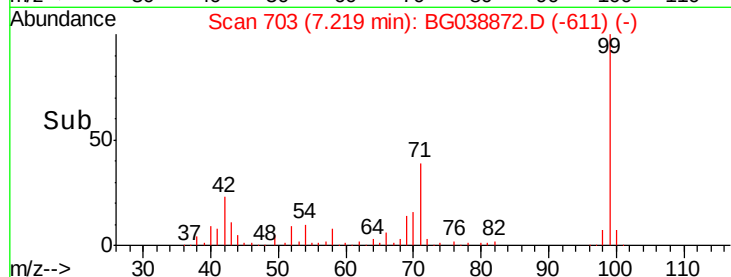
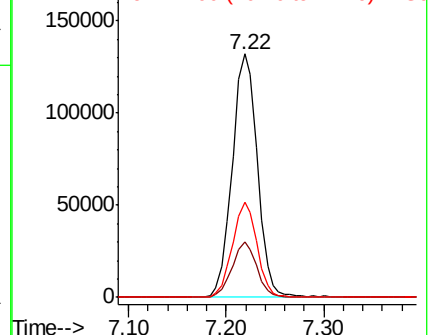
99 100

42 22.6 18.5 27.7

71 39.0 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: 17.694 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038872.D

Acq: 28 Dec 2018 11:38

Tgt Ion: 70 Resp: 22621

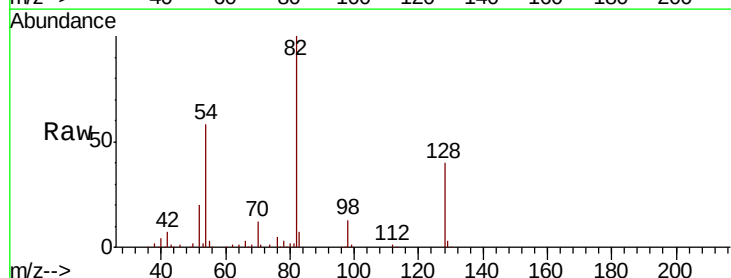
Ion Ratio Lower Upper

70 100

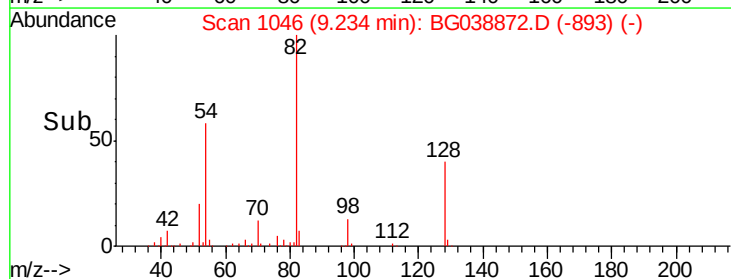
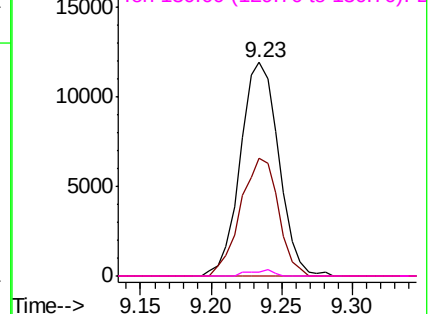
42 54.9 63.6 95.4#

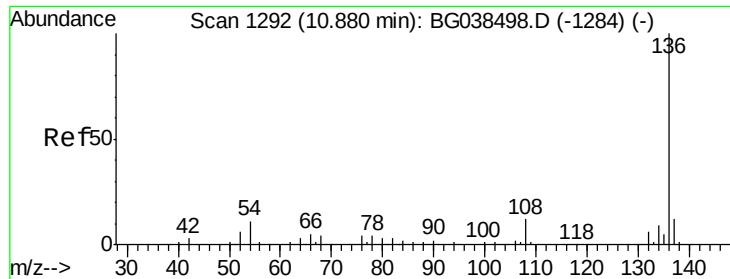
101 0.0 9.2 13.8#

130 1.8 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

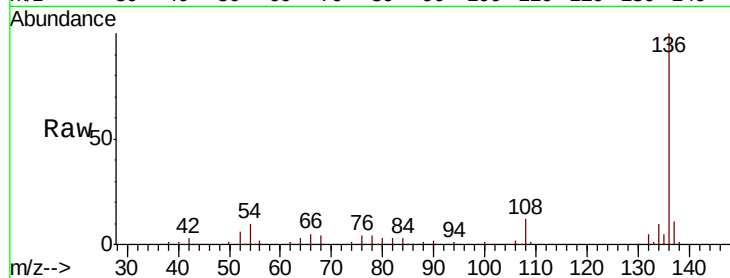




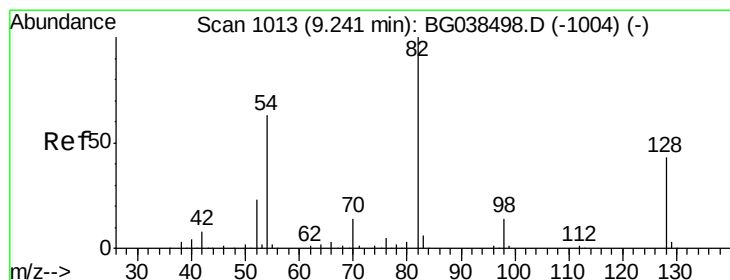
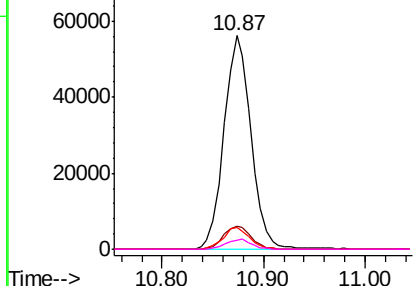
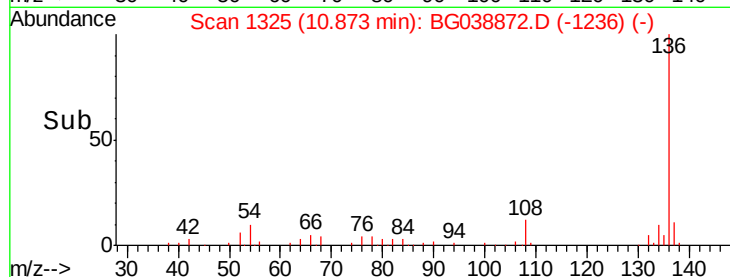
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038872.D
Acq: 28 Dec 2018 11:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	103964
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.3 13.9
54	10.2	8.5 12.7
68	4.3	3.5 5.3

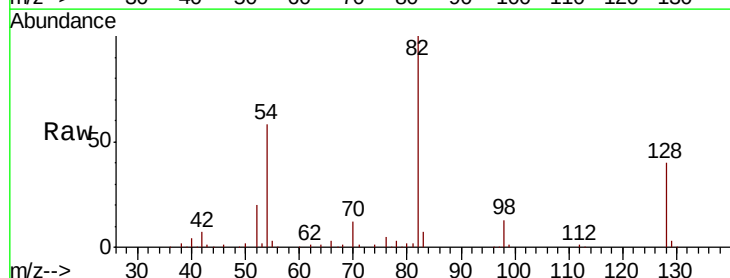


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

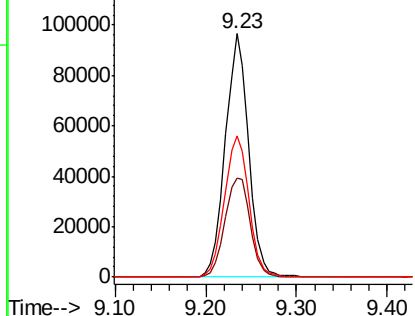
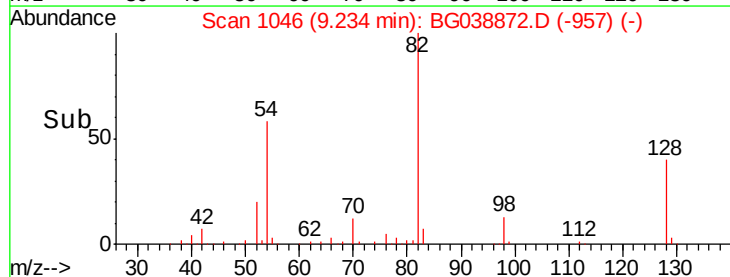


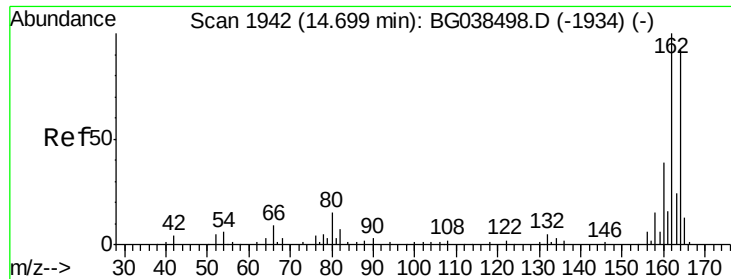
#23
Nitrobenzene-d5
Concen: 84.644 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038872.D
Acq: 28 Dec 2018 11:38

Tgt Ion: 82	Resp:	172253
Ion	Ratio	Lower Upper
82	100	
128	40.5	34.6 52.0
54	57.9	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: BG038872.D

Acq: 28 Dec 2018 11:38

Instrument :

BNA_F

ClientSampleId :

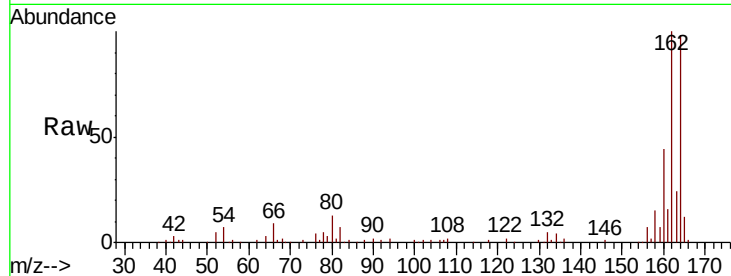
Tot Ion:164 Resp: 80301

Ion Ratio Lower Upper

164 100

162 101.6 86.6 130.0

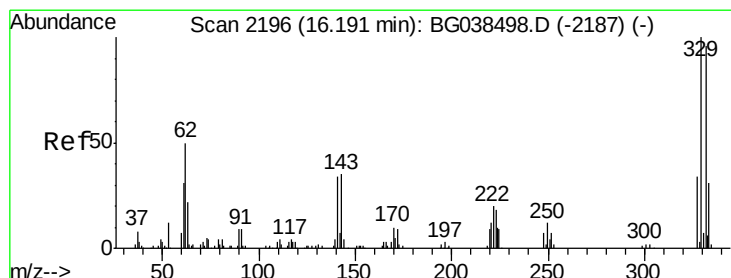
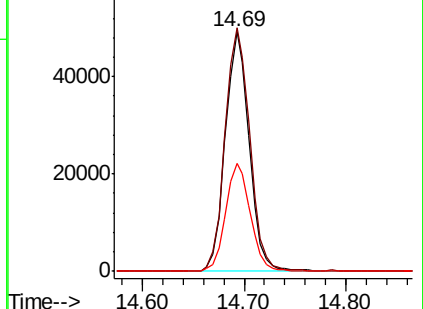
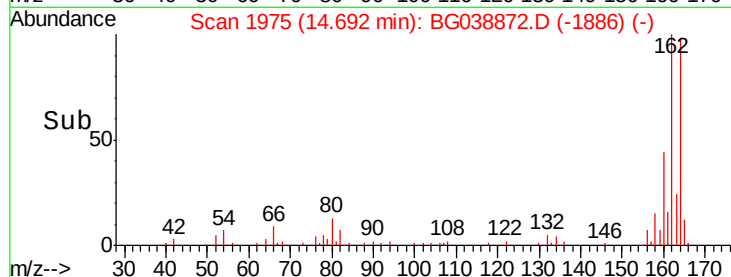
160 45.1 34.2 51.2



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: 127.997 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038872.D

Acq: 28 Dec 2018 11:38

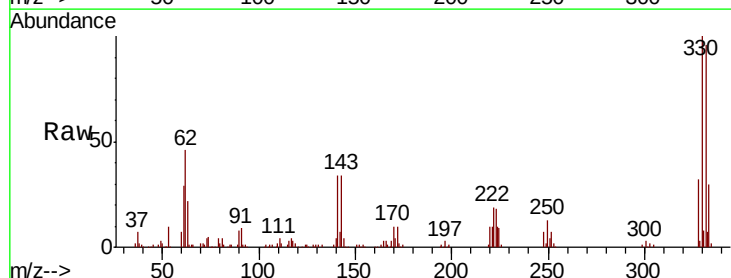
Tgt Ion:330 Resp: 141653

Ion Ratio Lower Upper

330 100

332 97.1 76.9 115.3

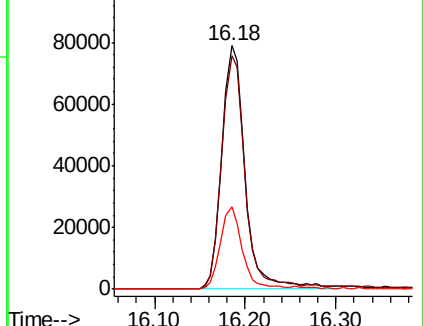
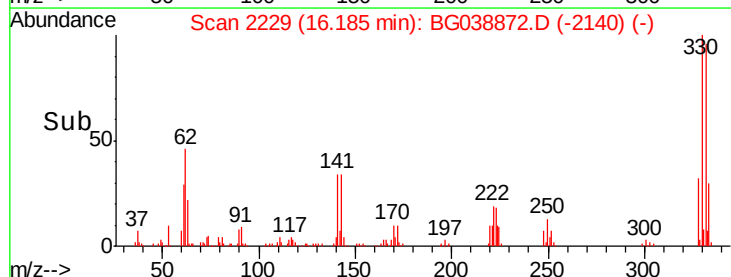
141 31.5 28.8 43.2

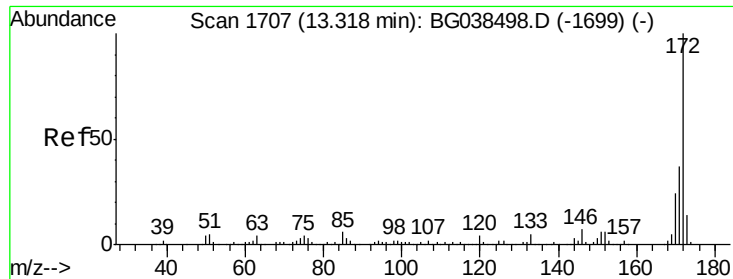


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

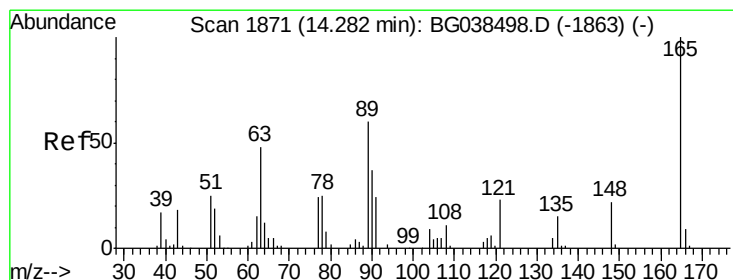
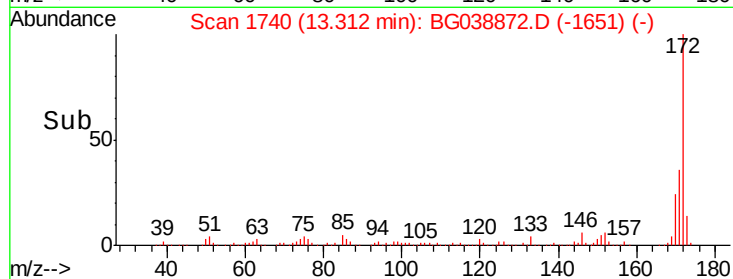
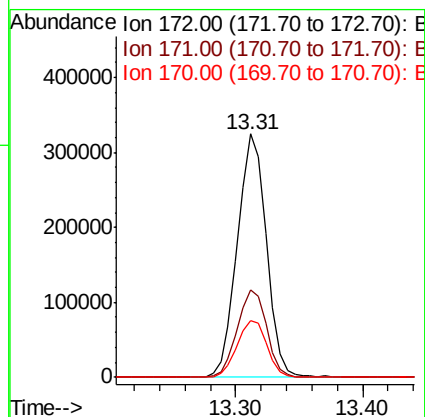
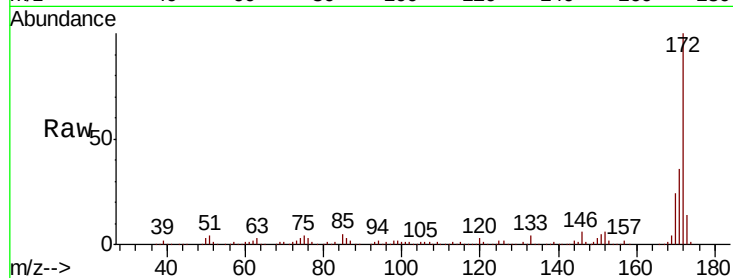




#45
 2-Fluorobiphenyl
 Concen: 87.878 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038872.D
 Acq: 28 Dec 2018 11:38

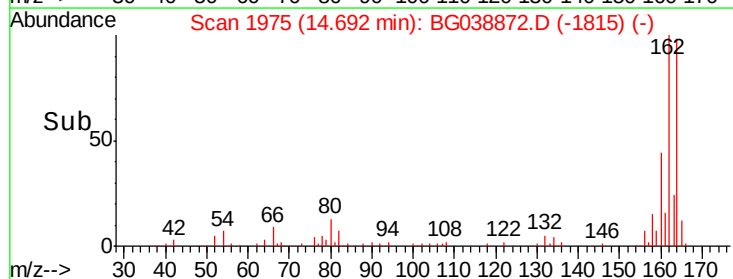
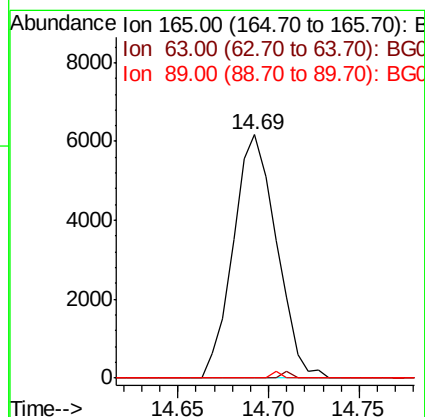
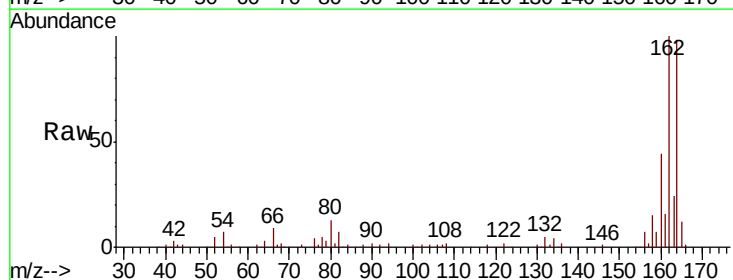
Instrument :
 BNA_F
 ClientSampleId :

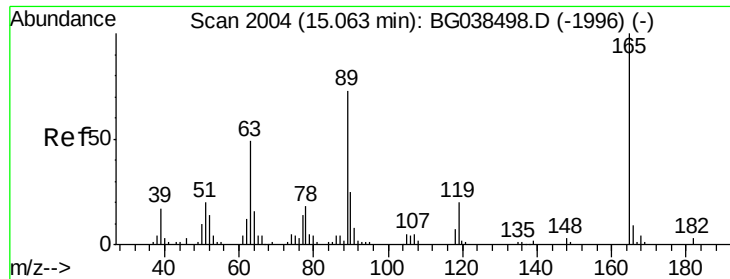
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.8	44.6
170	23.6	19.5	29.3



#51
 2,6-Dinitrotoluene
 Concen: 6.871 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038872.D
 Acq: 28 Dec 2018 11:38

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

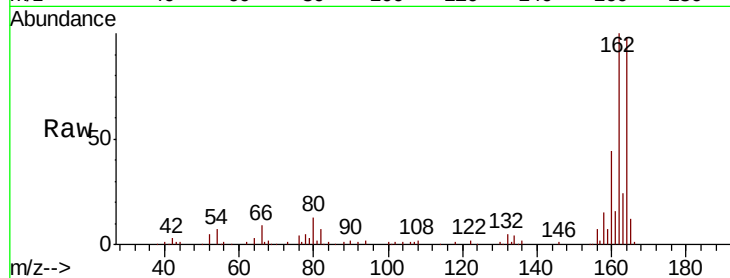




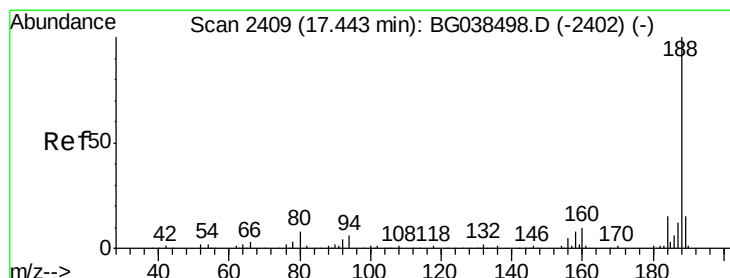
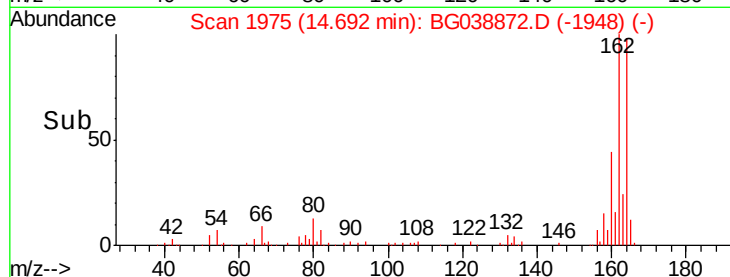
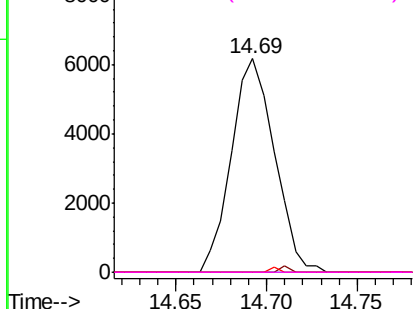
#57
2,4-Dinitrotoluene
Concen: 4.878 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.37 min
Lab File: BG038872.D
Acq: 28 Dec 2018 11:38

Instrument :
BNA_F
ClientSampleId :

Tot 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#

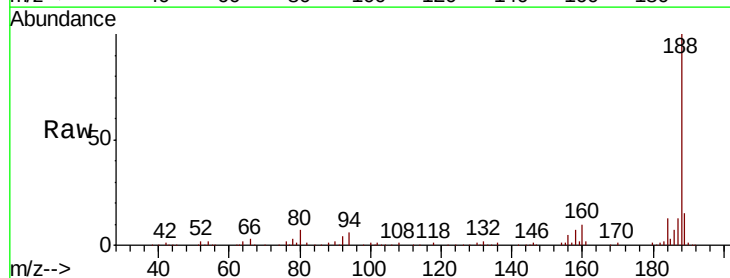


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

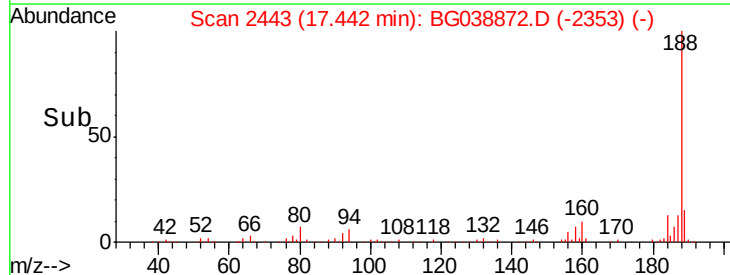
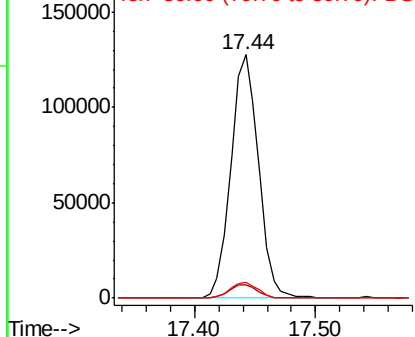


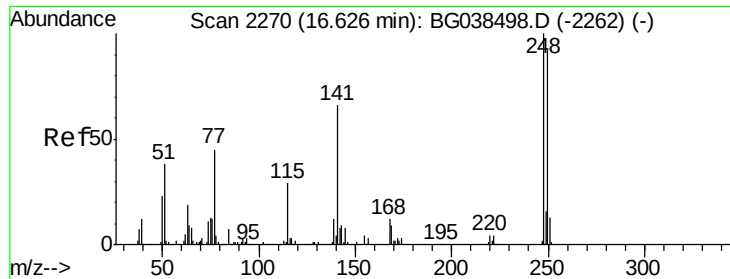
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG038872.D
Acq: 28 Dec 2018 11:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.5	5.1	7.7
80	6.7	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

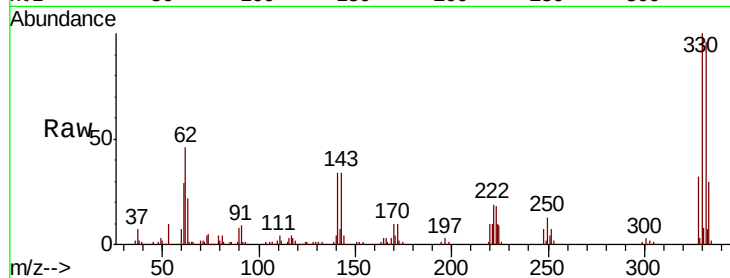




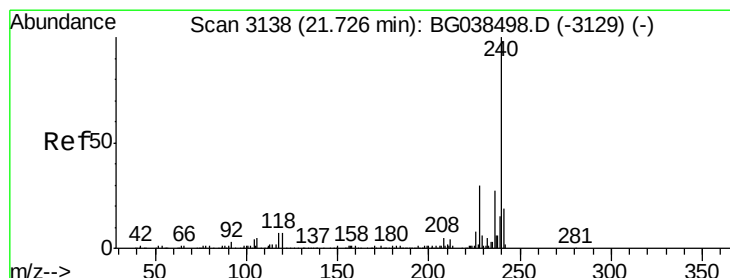
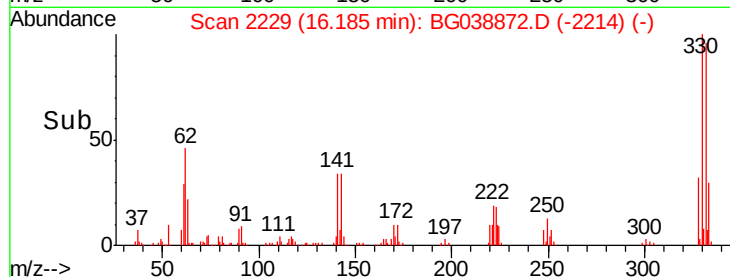
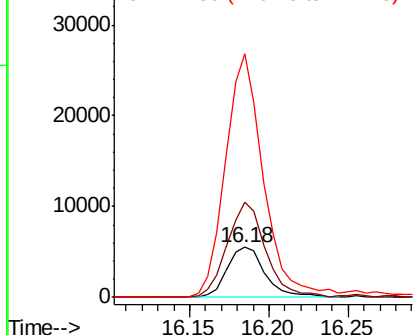
#67
 4-Bromophenyl-phenylether
 Concen: 3.665 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038872.D
 Acq: 28 Dec 2018 11:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9098
 Ion Ratio Lower Upper
 248 100
 250 200.3 73.4 110.2#
 141 383.4 52.9 79.3#

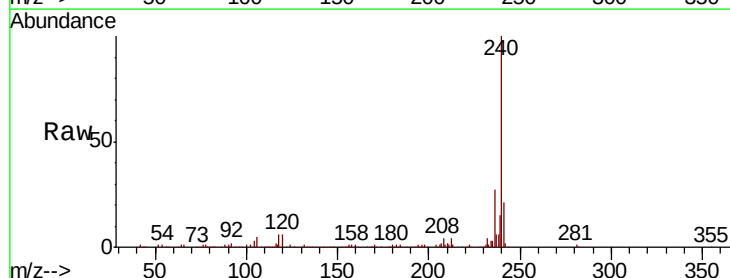


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

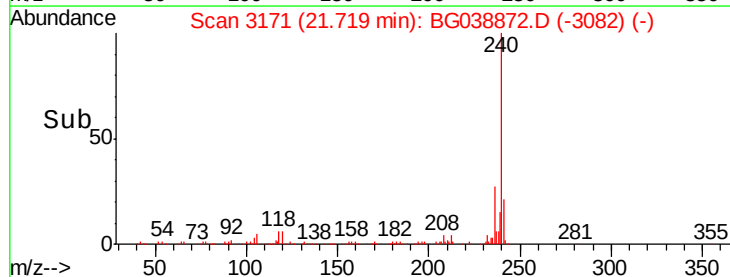
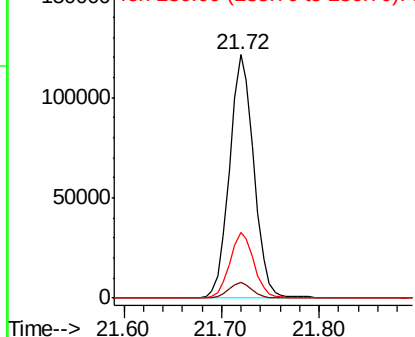


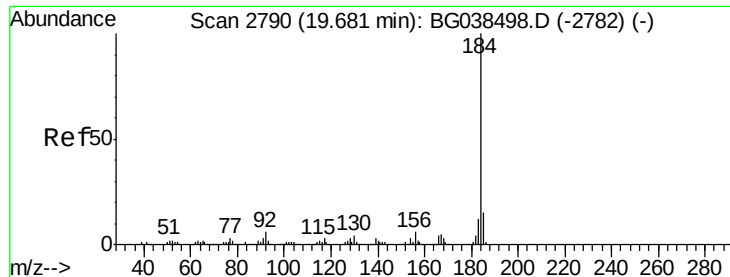
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG038872.D
 Acq: 28 Dec 2018 11:38

Tgt Ion:240 Resp: 209387
 Ion Ratio Lower Upper
 240 100
 120 6.2 5.3 7.9
 236 27.2 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: 2.610 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038872.D

Acq: 28 Dec 2018 11:38

Instrument :

BNA_F

ClientSampleId :

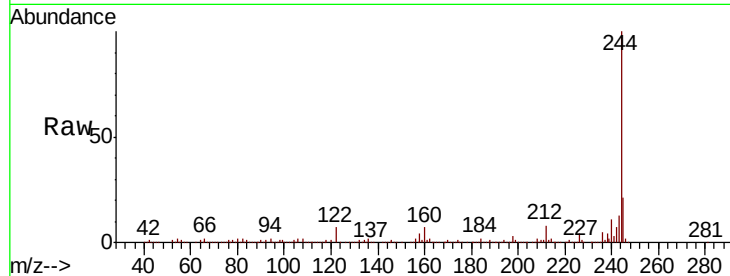
Tot Ion:184 Resp: 16162

Ion Ratio Lower Upper

184 100

185 16.4 12.2 18.2

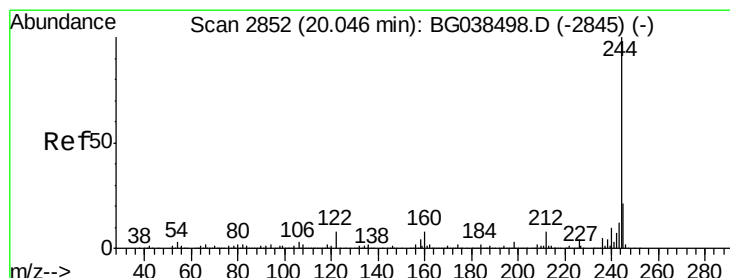
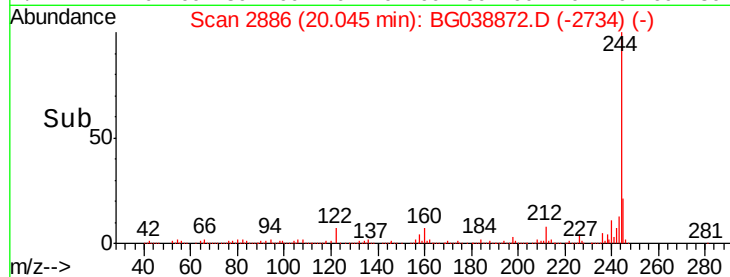
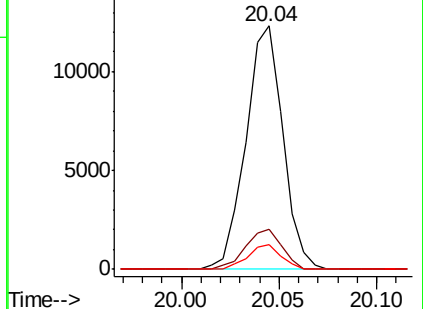
183 10.0 9.6 14.4



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: 100.283 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038872.D

Acq: 28 Dec 2018 11:38

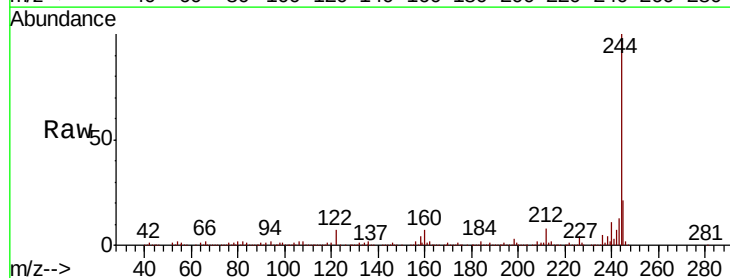
Tgt Ion:244 Resp: 964830

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

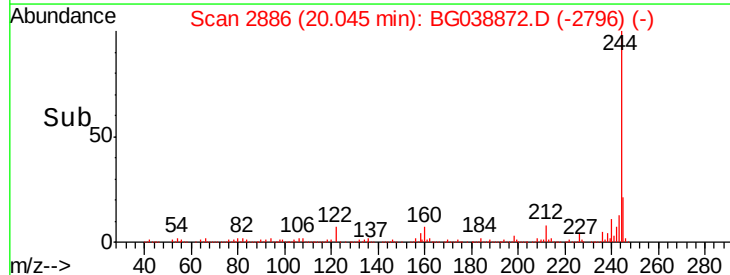
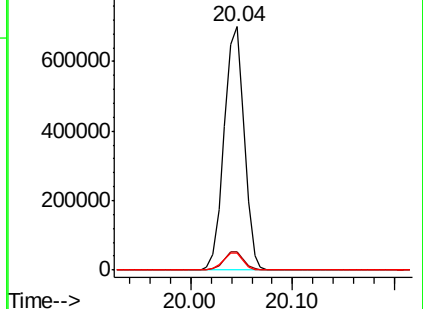
122 6.8 6.3 9.5

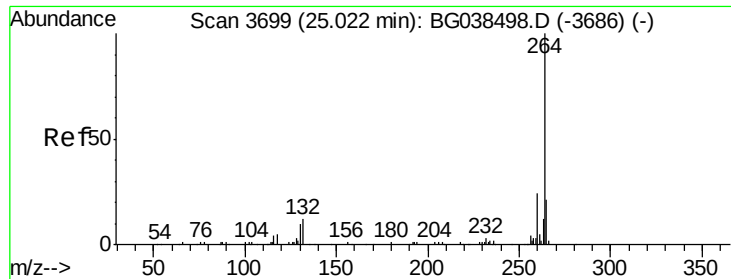


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG038872.D
Acq: 28 Dec 2018 11:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.9	28.3
265	22.6	17.0	25.4

