

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
 Data File : BG038874.D
 Acq On : 28 Dec 2018 12:56
 Operator : JU/SJ
 Sample : J6548-20
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 14:19:51 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

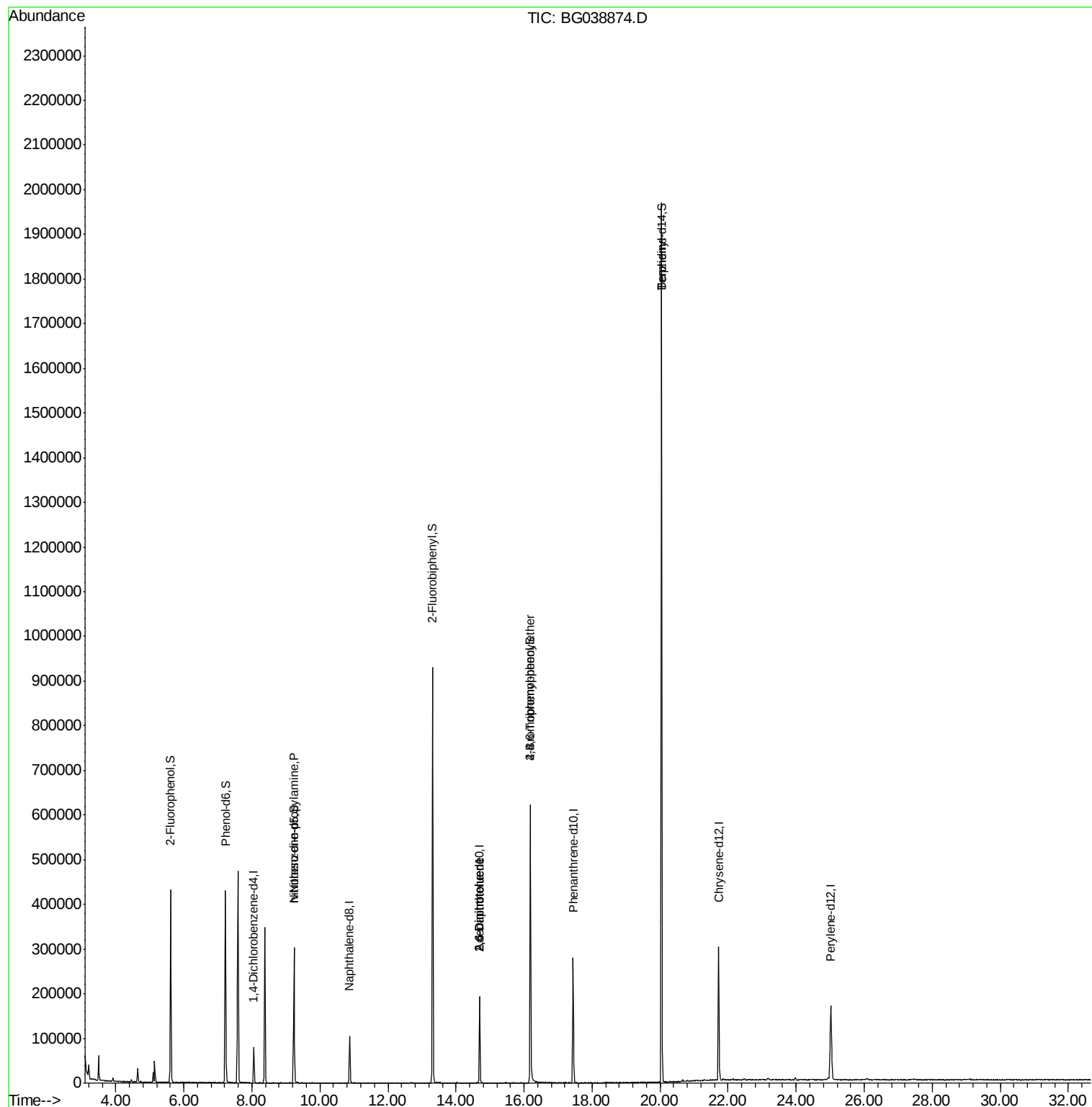
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	23403	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	96732	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	73947	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	189337	20.00	ng	0.00
76) Chrysene-d12	21.72	240	202717	20.00	ng	0.00
87) Perylene-d12	25.02	264	216270	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	187211	141.88	ng	0.00
7) Phenol-d6	7.22	99	243522	134.44	ng	0.01
23) Nitrobenzene-d5	9.24	82	173672	91.72	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	148722	145.93	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	502753	93.27	ng	0.00
79) Terphenyl-d14	20.04	244	1004574	107.85	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	23699	18.628	ng	# 70
51) 2,6-Dinitrotoluene	14.69	165	10138	7.408	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	10138	5.260	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	9620	4.160	ng	# 1
77) Benzidine	20.04	184	16284	2.716	ng	# 93

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

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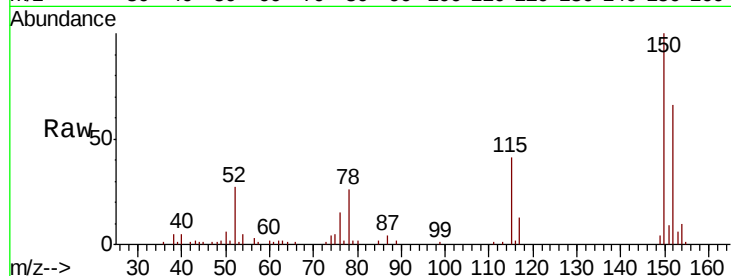


#1

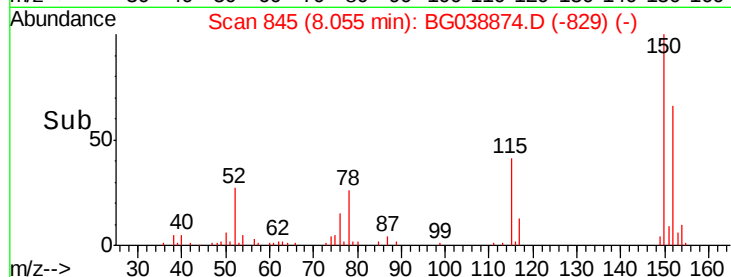
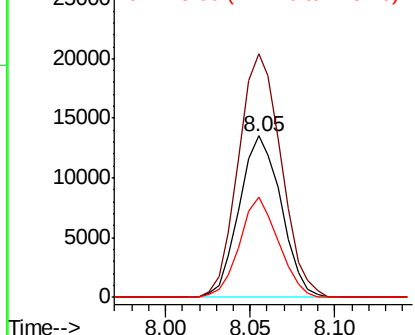
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG038874.D
Acq: 28 Dec 2018 12:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 23403
Ion Ratio Lower Upper
152 100
150 150.9 119.5 179.3
115 62.0 49.6 74.4



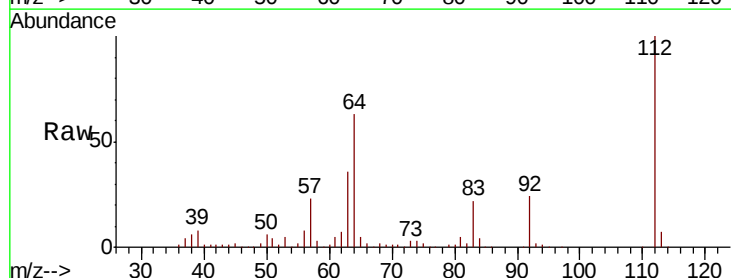
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



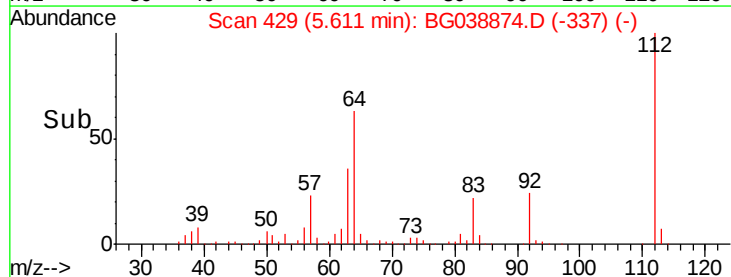
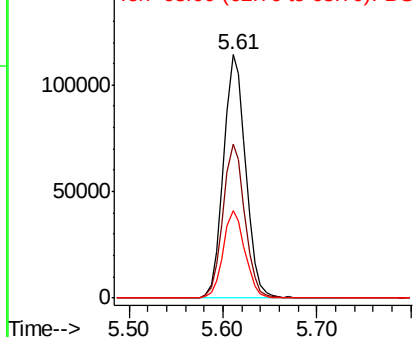
#5

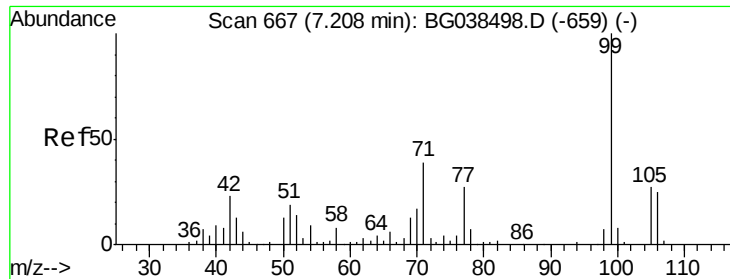
2-Fluorophenol
Concen: 141.882 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038874.D
Acq: 28 Dec 2018 12:56

Tgt Ion:112 Resp: 187211
Ion Ratio Lower Upper
112 100
64 63.2 53.4 80.2
63 35.8 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: 134.439 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038874.D

Acq: 28 Dec 2018 12:56

Instrument :
BNA_F
ClientSampleId :

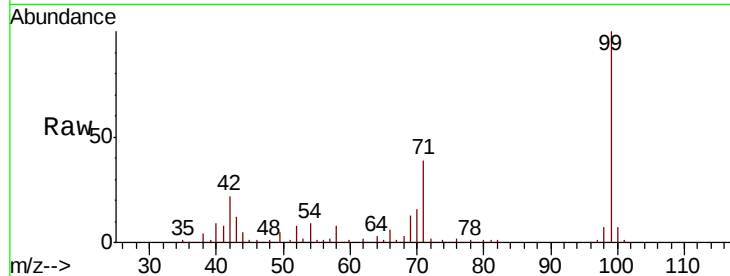
Tot Ion: 99 Resp: 243522

Ion Ratio Lower Upper

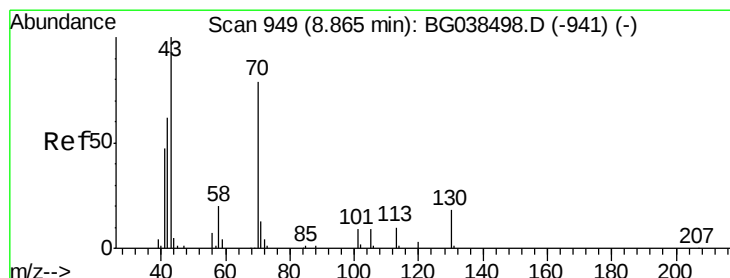
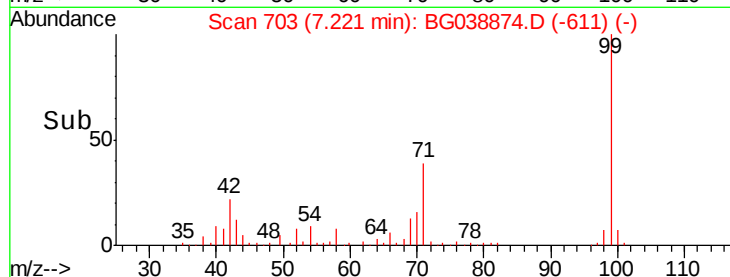
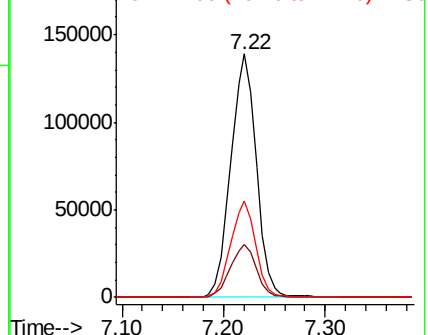
99 100

42 21.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 18.628 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038874.D

Acq: 28 Dec 2018 12:56

Tgt Ion: 70 Resp: 23699

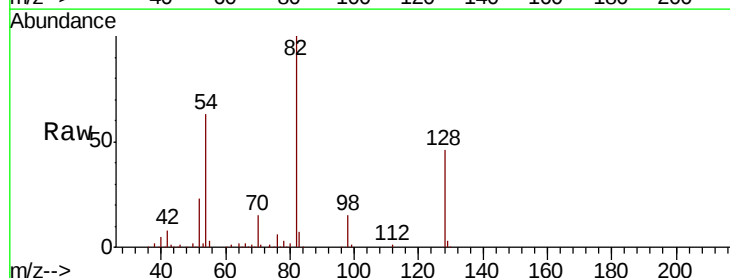
Ion Ratio Lower Upper

70 100

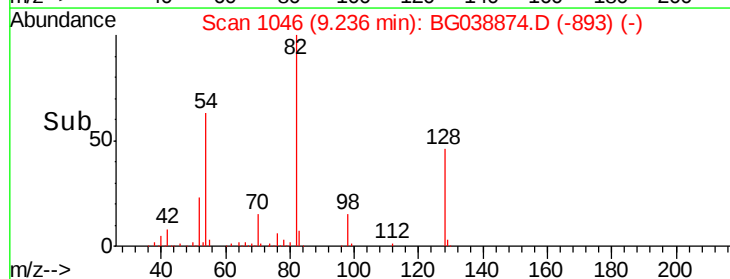
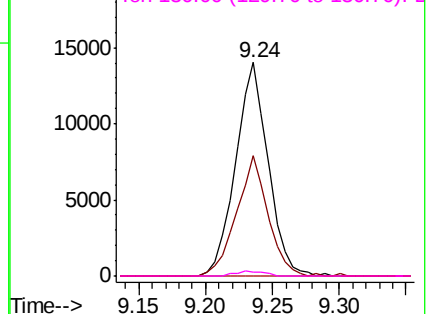
42 56.5 63.6 95.4#

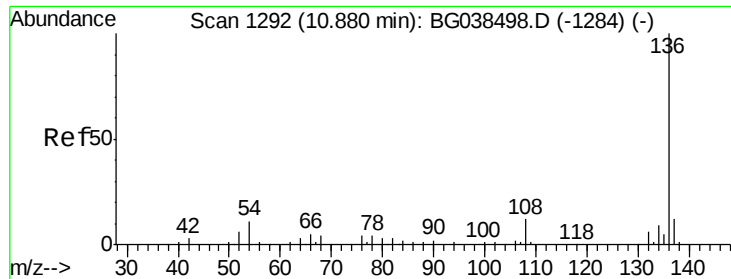
101 0.0 9.2 13.8#

130 1.6 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

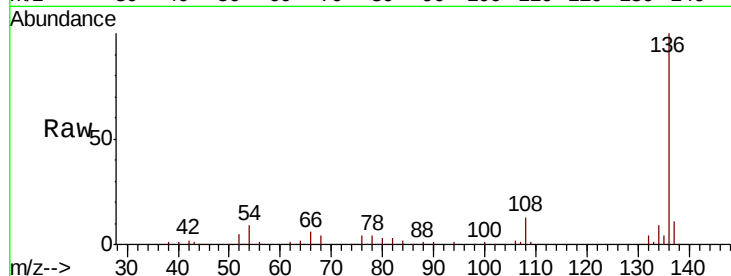




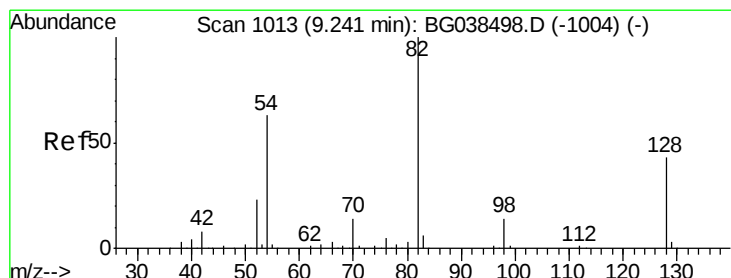
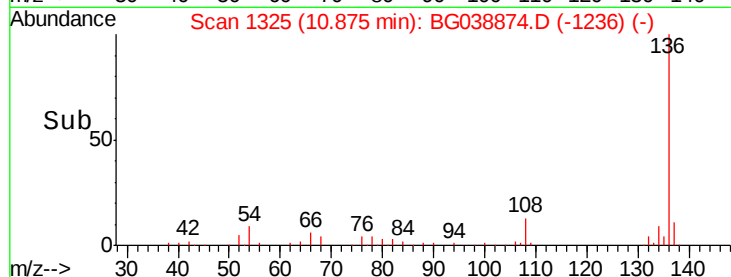
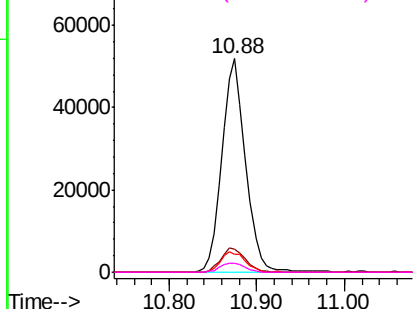
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BG038874.D
Acq: 28 Dec 2018 12:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	96732
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.3 13.9
54	8.7	8.5 12.7
68	4.1	3.5 5.3

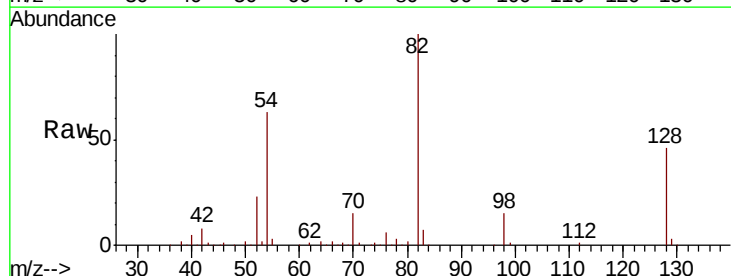


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

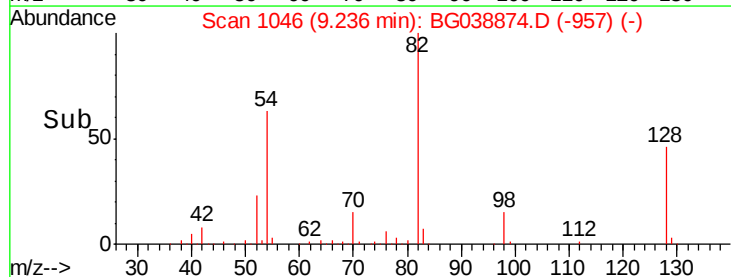
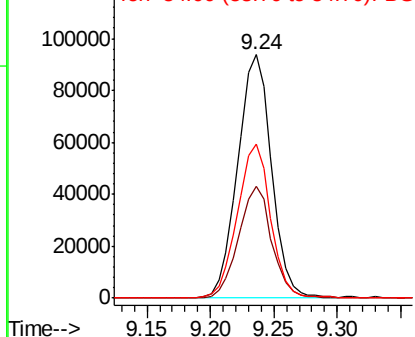


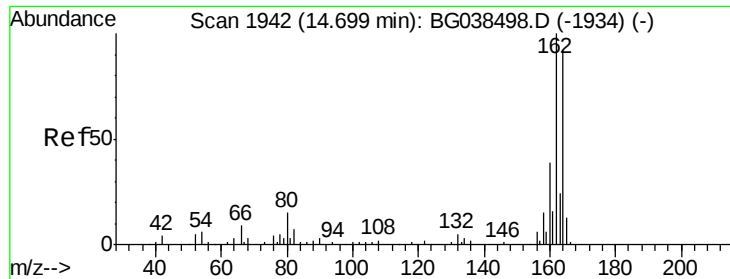
#23
Nitrobenzene-d5
Concen: 91.721 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG038874.D
Acq: 28 Dec 2018 12:56

Tgt Ion: 82	Resp:	173672
Ion Ratio	Lower	Upper
82	100	
128	45.8	34.6 52.0
54	63.3	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. -0.00 min

Lab File: BG038874.D

Acq: 28 Dec 2018 12:56

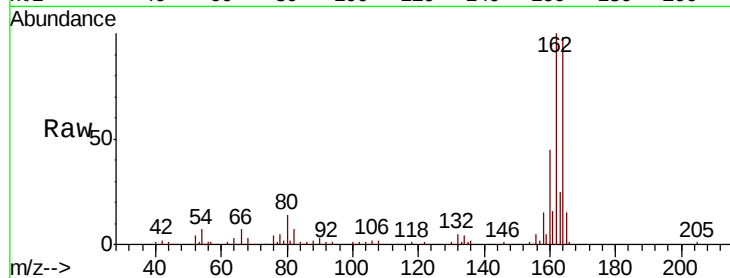
Instrument :

BNA_F

ClientSampleId :

Tot Ion:164 Resp: 73947

Ion	Ratio	Lower	Upper
164	100		
162	101.7	86.6	130.0
160	45.8	34.2	51.2

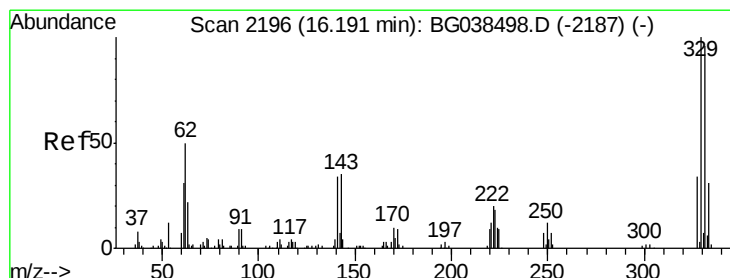
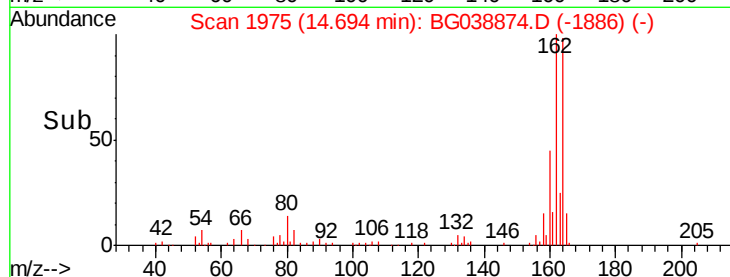
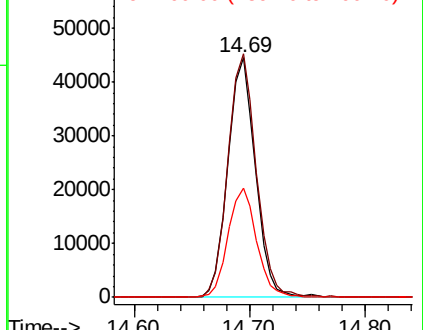


Abundance

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: 145.931 ng

RT: 16.19 min Scan# 2229

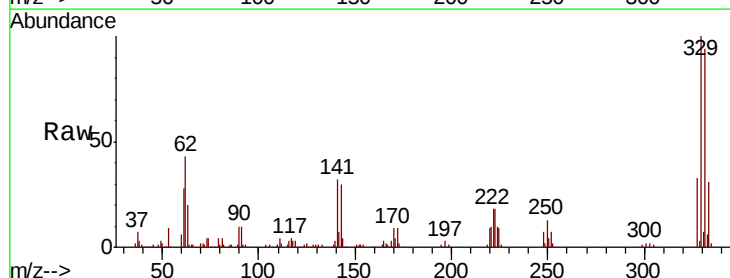
Delta R.T. -0.00 min

Lab File: BG038874.D

Acq: 28 Dec 2018 12:56

Tgt Ion:330 Resp: 148722

Ion	Ratio	Lower	Upper
330	100		
332	93.2	76.9	115.3
141	32.2	28.8	43.2

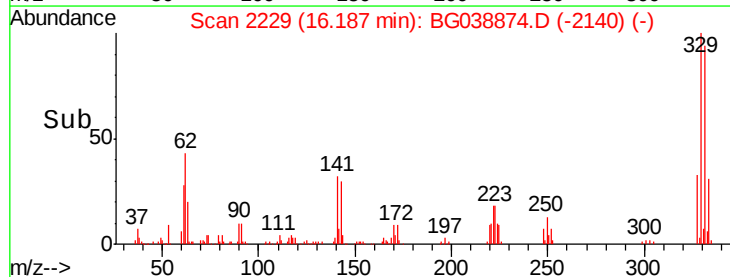
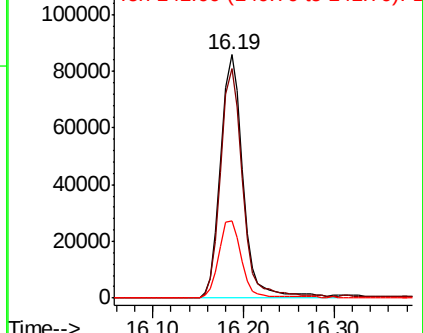


Abundance

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

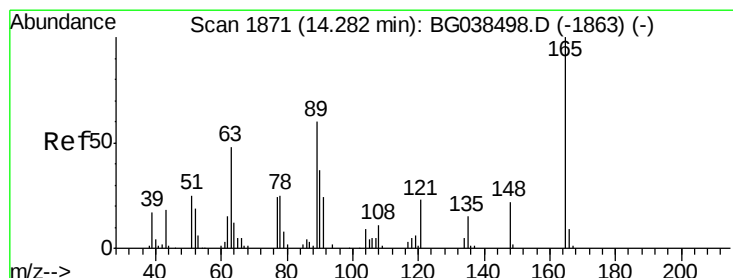
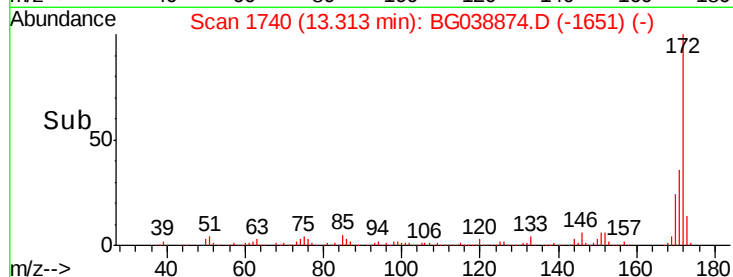
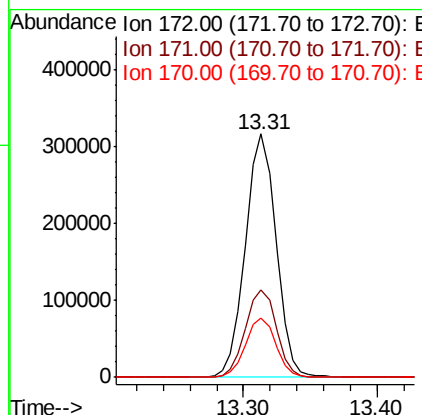
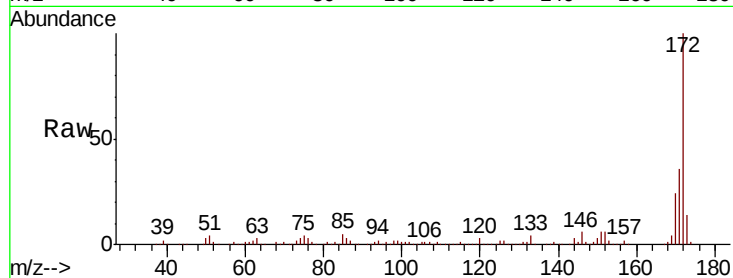




#45
 2-Fluorobiphenyl
 Concen: 93.270 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BG038874.D
 Acq: 28 Dec 2018 12:56

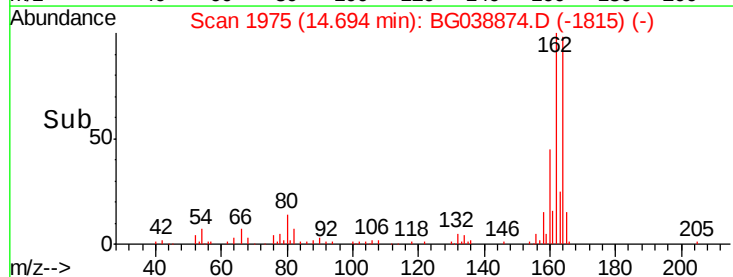
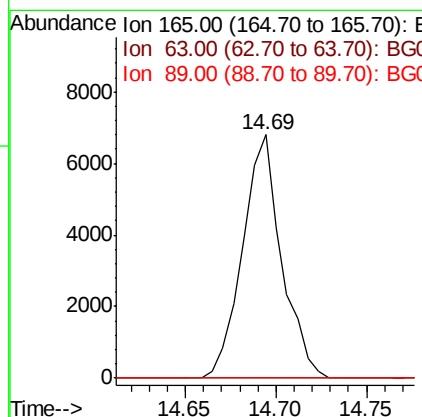
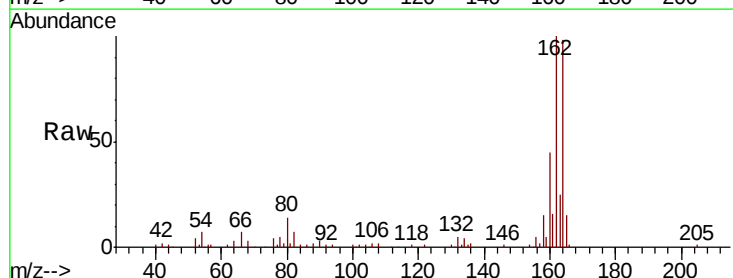
Instrument :
 BNA_F
 ClientSampleId :

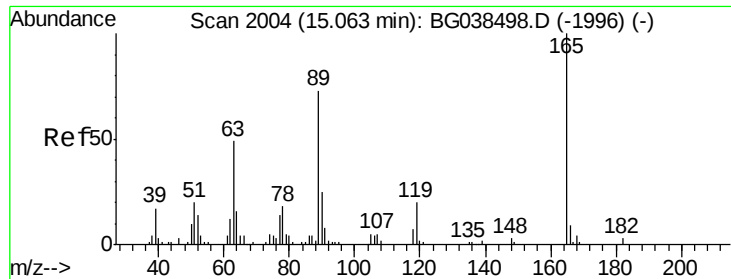
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.8	44.6
170	24.2	19.5	29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.408 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038874.D
 Acq: 28 Dec 2018 12:56

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

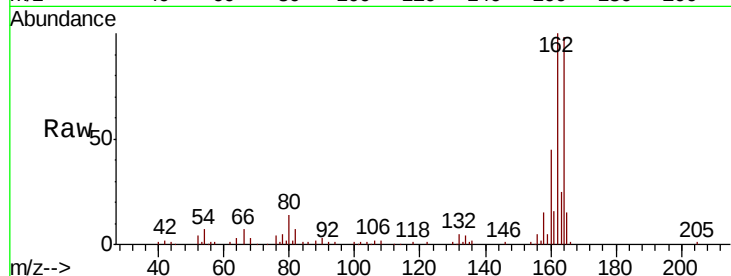




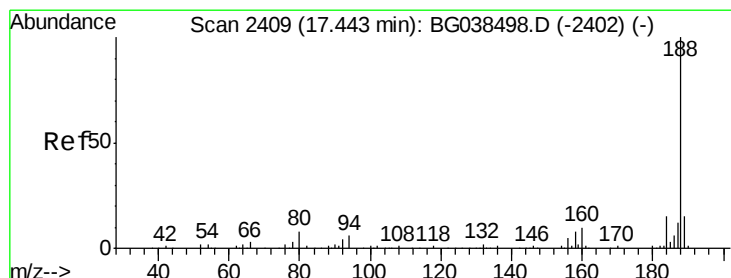
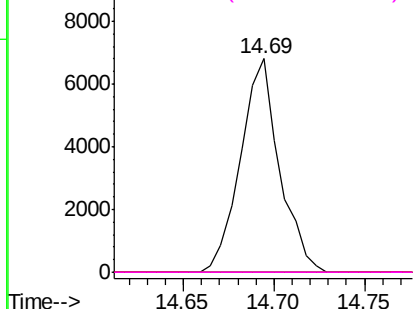
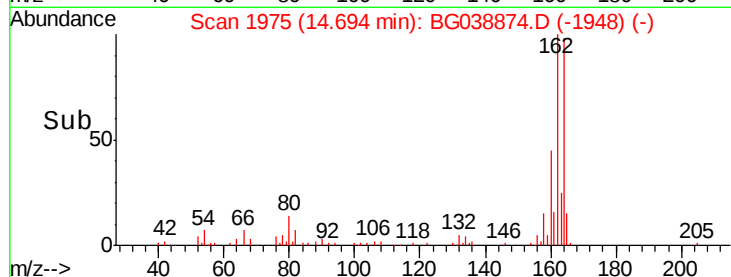
#57
 2,4-Dinitrotoluene
 Concen: 5.260 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038874.D
 Acq: 28 Dec 2018 12:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 10138
 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#

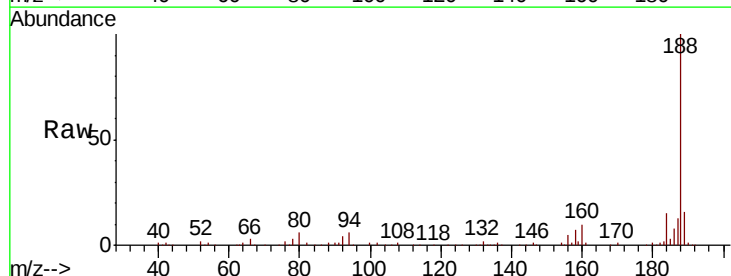


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E

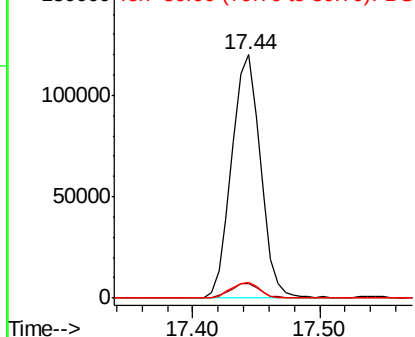
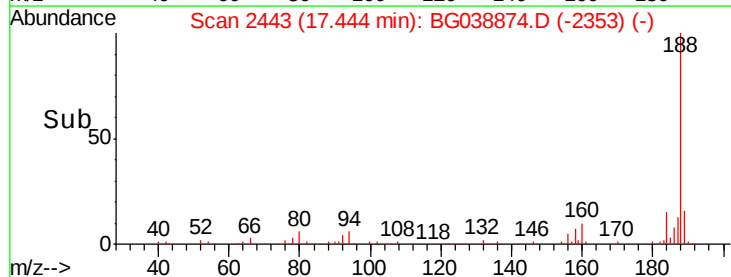


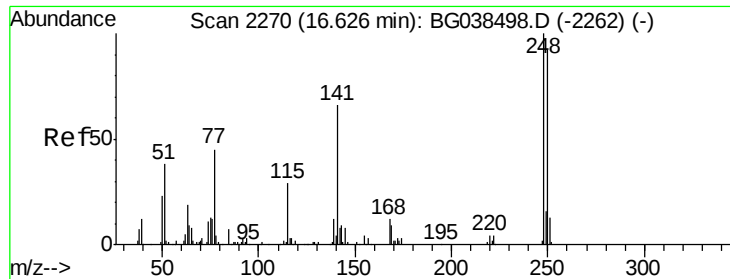
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG038874.D
 Acq: 28 Dec 2018 12:56

Tgt Ion:188 Resp: 189337
 Ion Ratio Lower Upper
 188 100
 94 6.0 5.1 7.7
 80 6.3 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

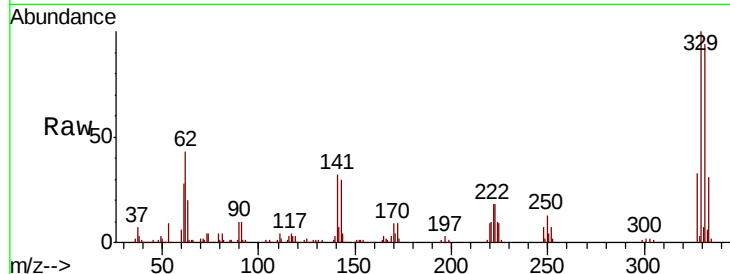




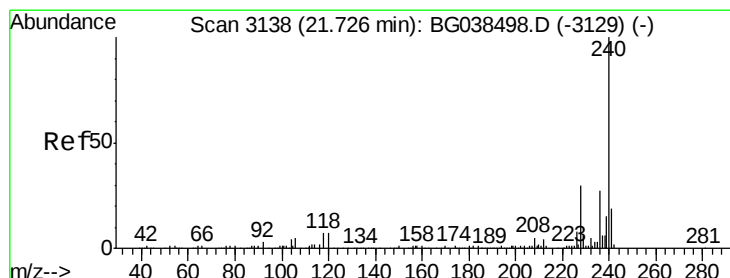
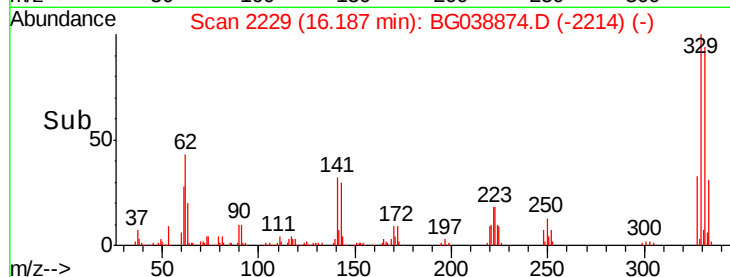
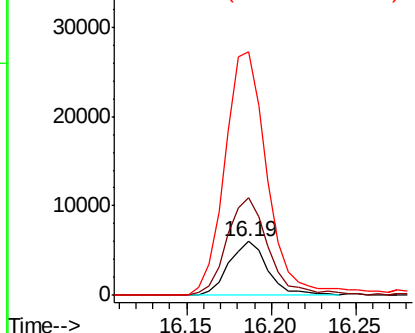
#67
 4-Bromophenyl-phenylether
 Concen: 4.160 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038874.D
 Acq: 28 Dec 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9620
 Ion Ratio Lower Upper
 248 100
 250 177.7 73.4 110.2#
 141 345.0 52.9 79.3#

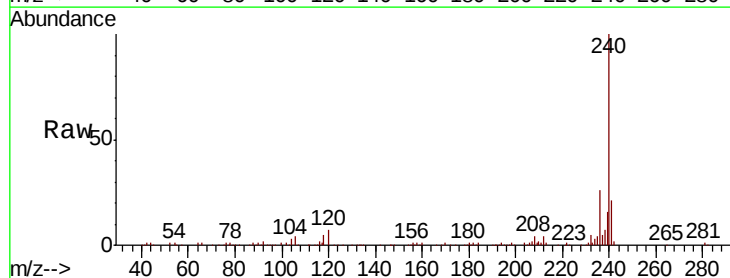


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

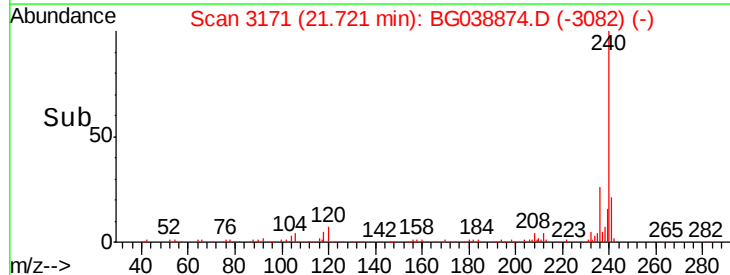
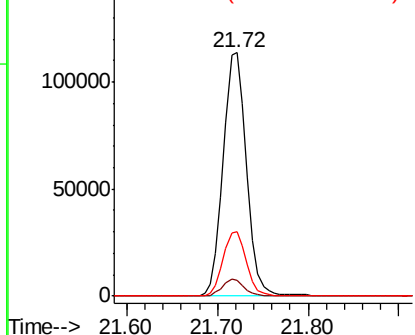


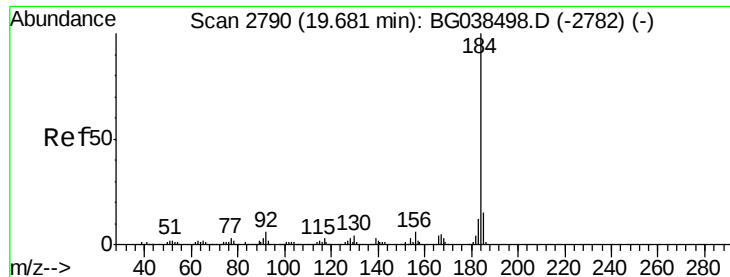
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.00 min
 Lab File: BG038874.D
 Acq: 28 Dec 2018 12:56

Tgt Ion:240 Resp: 202717
 Ion Ratio Lower Upper
 240 100
 120 6.5 5.3 7.9
 236 26.4 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: 2.716 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038874.D

Acq: 28 Dec 2018 12:56

Instrument :

BNA_F

ClientSampleId :

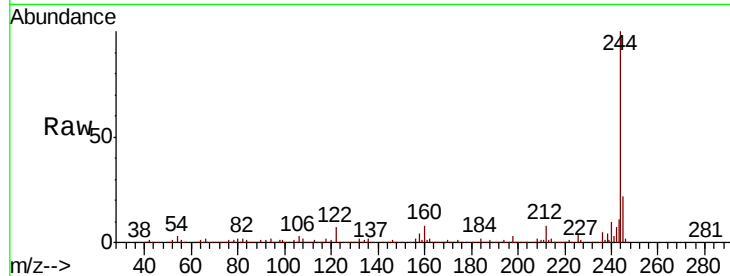
Tot Ion:184 Resp: 16284

Ion Ratio Lower Upper

184 100

185 16.8 12.2 18.2

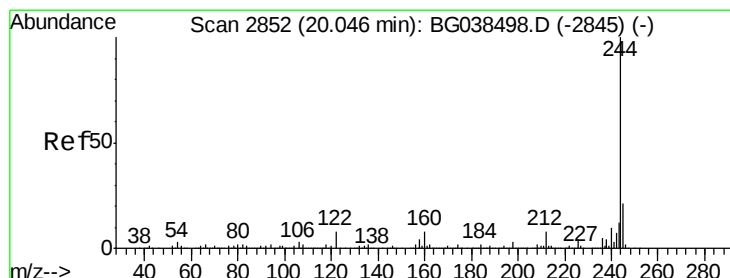
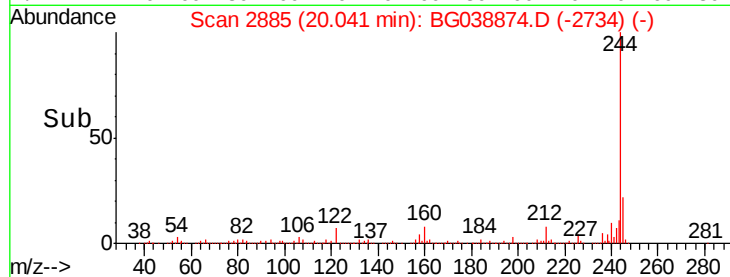
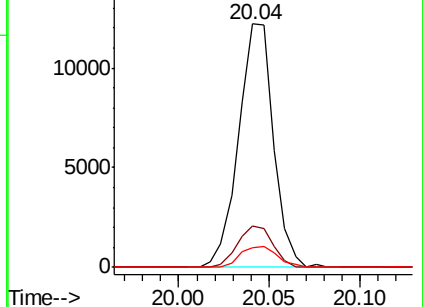
183 7.9 9.6 14.4#



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: 107.849 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038874.D

Acq: 28 Dec 2018 12:56

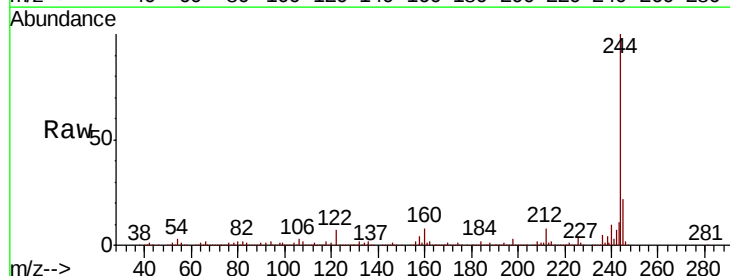
Tgt Ion:244 Resp: 1004574

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

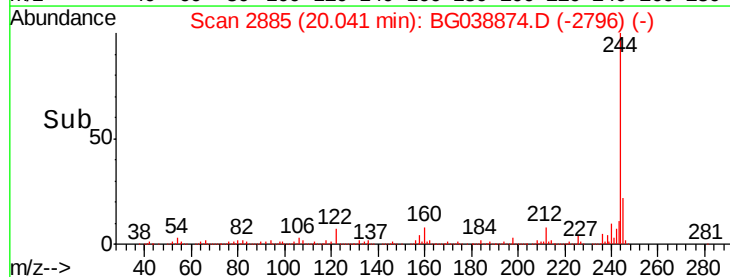
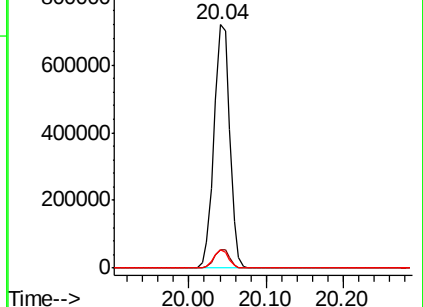
122 7.4 6.3 9.5

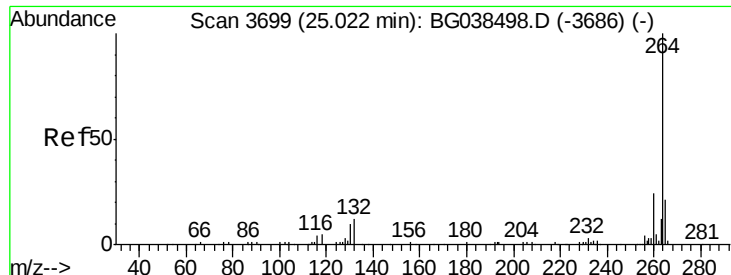


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3732
 Delta R.T. -0.00 min
 Lab File: BG038874.D
 Acq: 28 Dec 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.9	28.3
265	19.8	17.0	25.4

