

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
 Data File : BG038869.D
 Acq On : 28 Dec 2018 9:41
 Operator : JU/SJ
 Sample : J6505-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 14:18:59 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

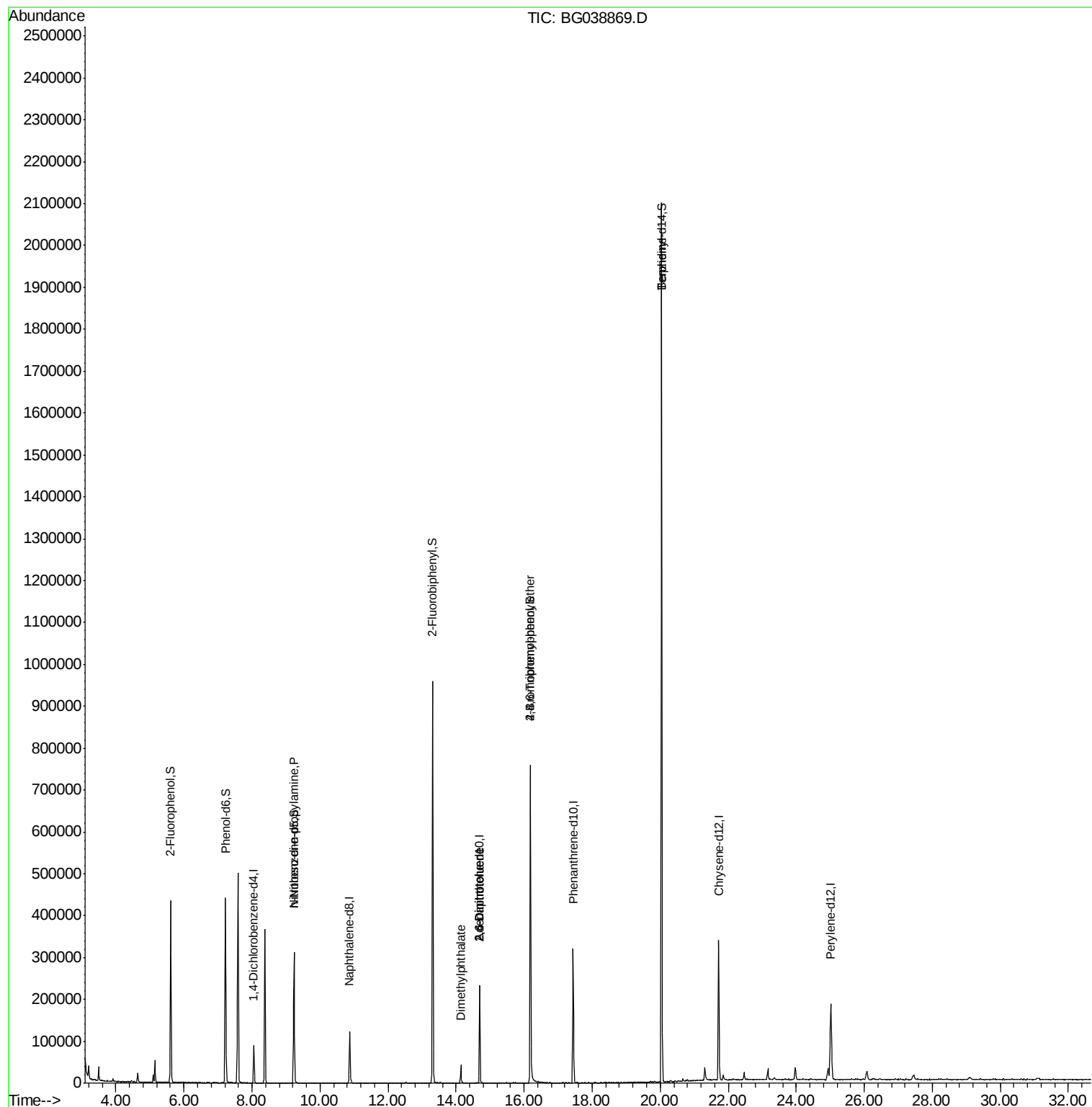
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	27059	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	111659	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	83994	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	211864	20.00	ng	0.00
76) Chrysene-d12	21.72	240	220246	20.00	ng	0.00
87) Perylene-d12	25.02	264	232231	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	192213	125.99	ng	0.00
7) Phenol-d6	7.22	99	248623	118.71	ng	0.01
23) Nitrobenzene-d5	9.23	82	183678	84.04	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	177305	153.17	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	537391	87.77	ng	0.00
79) Terphenyl-d14	20.04	244	1025280	101.31	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	25456	17.306	ng	Qvalue # 70
50) Dimethylphthalate	14.14	163	33599	4.898	ng	98
51) 2,6-Dinitrotoluene	14.69	165	10957	7.049	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	10957	5.005	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	11650	4.502	ng	# 1
77) Benzidine	20.04	184	17230	2.645	ng	# 93

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

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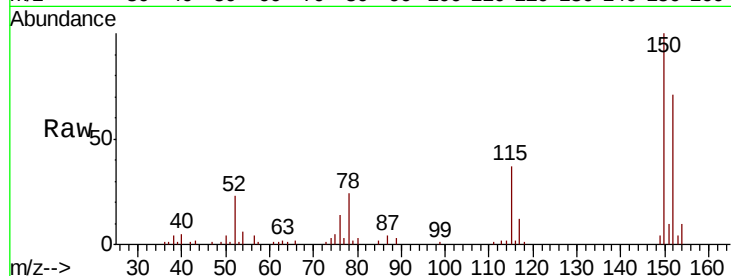


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038869.D
Acq: 28 Dec 2018 9:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	140.0	119.5	179.3
115	52.2	49.6	74.4

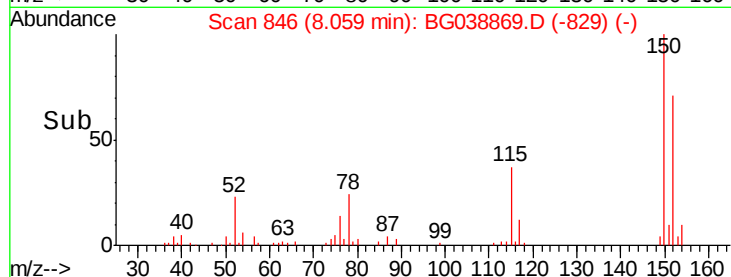
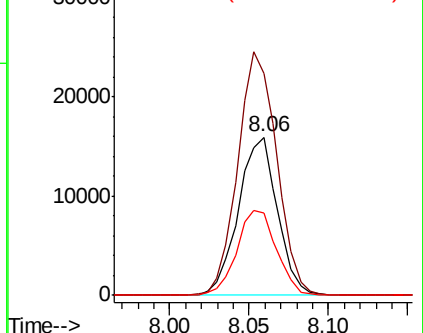


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

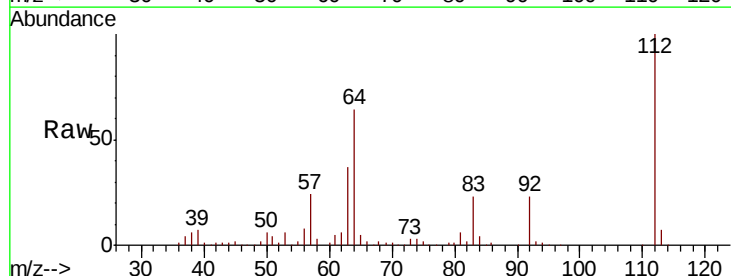
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 125.991 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038869.D
Acq: 28 Dec 2018 9:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	53.4	80.2
63	37.4	29.3	43.9

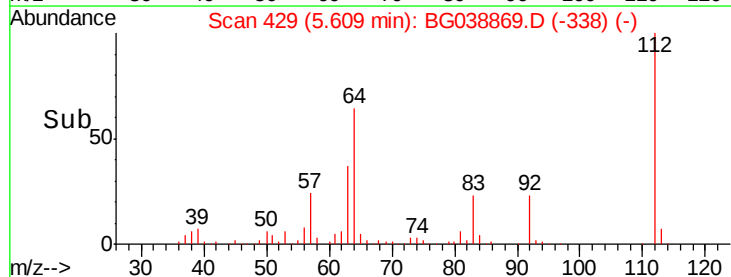
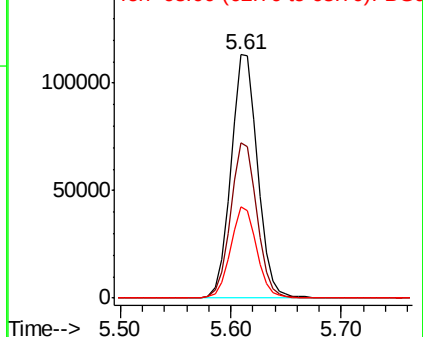


Abundance

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: 118.710 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038869.D

Acq: 28 Dec 2018 9:41

Instrument :

BNA_F

ClientSampleId :

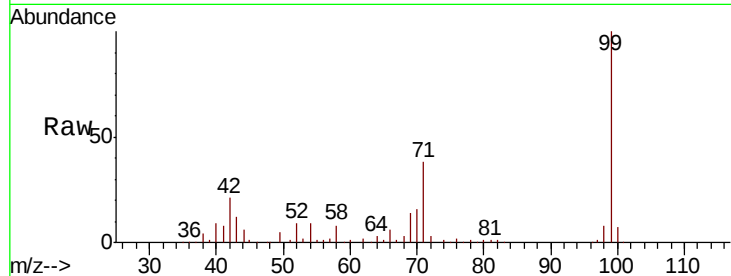
Tot Ion: 99 Resp: 248623

Ion Ratio Lower Upper

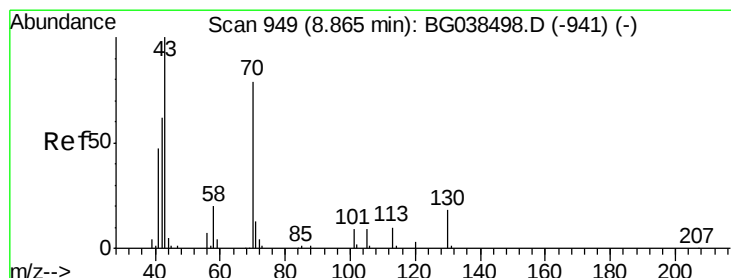
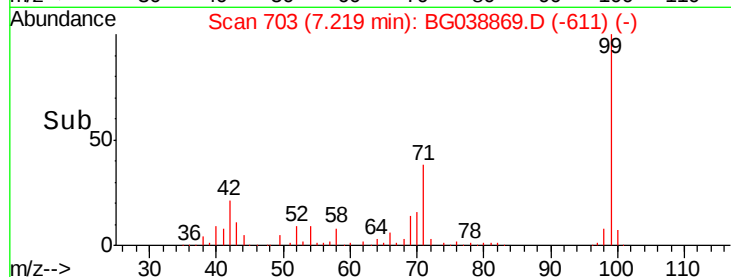
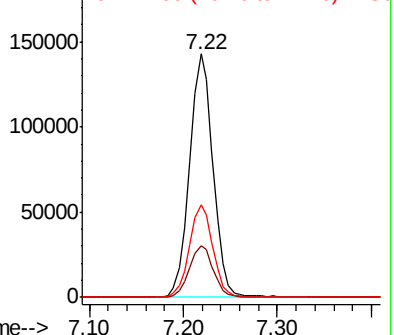
99 100

42 21.3 18.5 27.7

71 38.2 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: 17.306 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038869.D

Acq: 28 Dec 2018 9:41

Tgt Ion: 70 Resp: 25456

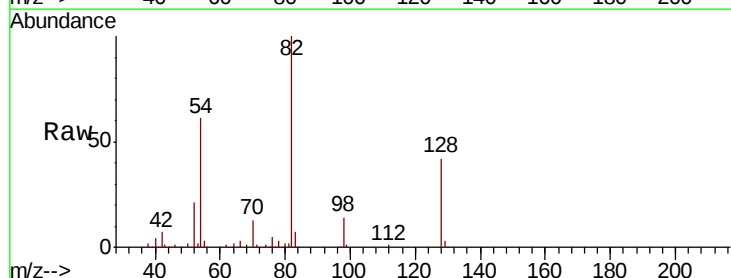
Ion Ratio Lower Upper

70 100

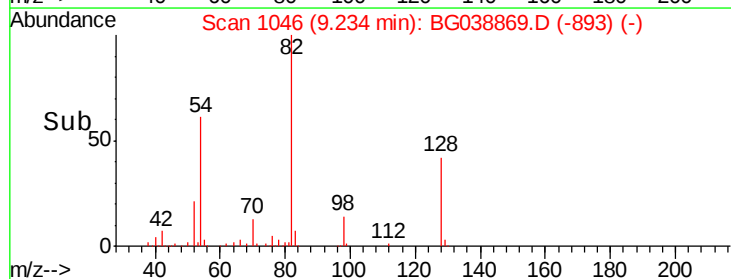
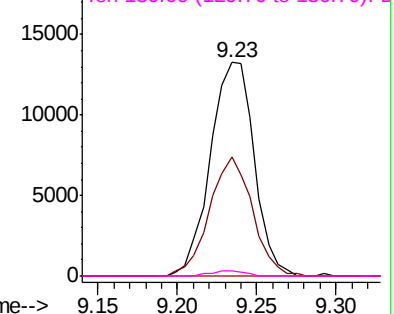
42 56.0 63.6 95.4#

101 0.0 9.2 13.8#

130 2.2 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

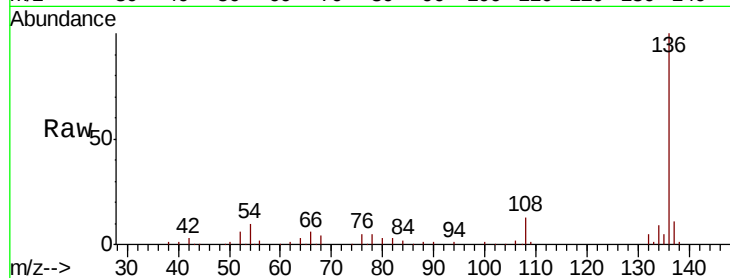




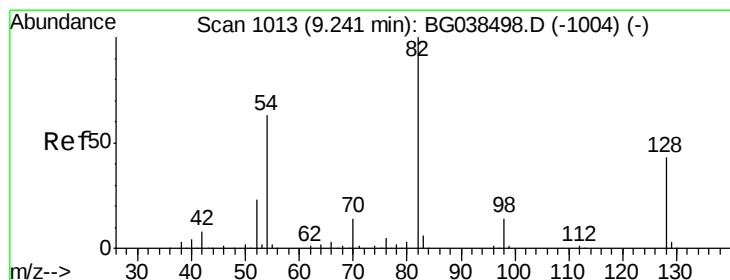
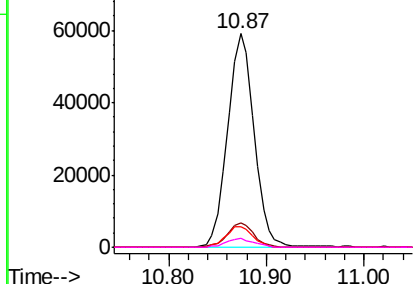
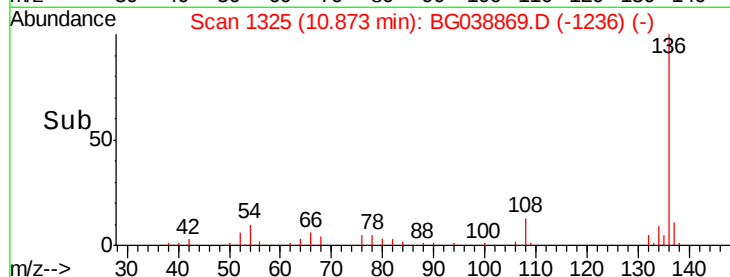
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038869.D
Acq: 28 Dec 2018 9:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	111659
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.3 13.9
54	9.8	8.5 12.7
68	4.2	3.5 5.3

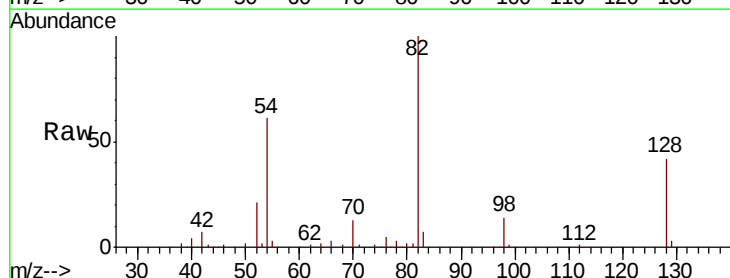


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

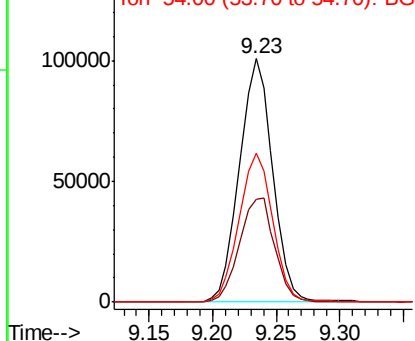
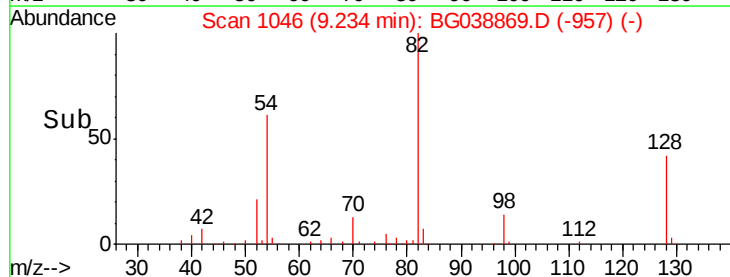


#23
Nitrobenzene-d5
Concen: 84.038 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038869.D
Acq: 28 Dec 2018 9:41

Tgt Ion: 82	Resp:	183678
Ion Ratio	Lower	Upper
82	100	
128	42.4	34.6 52.0
54	61.2	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038869.D

Acq: 28 Dec 2018 9:41

Instrument :

BNA_F

ClientSampleId :

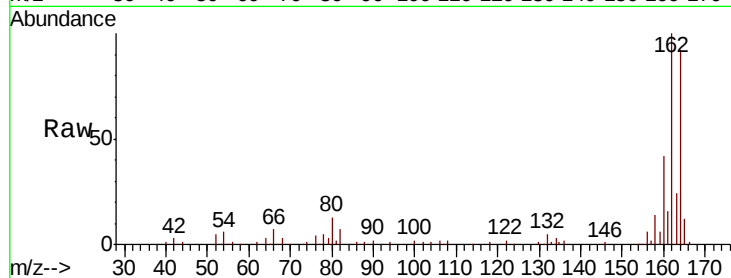
Tot Ion:164 Resp: 83994

Ion Ratio Lower Upper

164 100

162 108.3 86.6 130.0

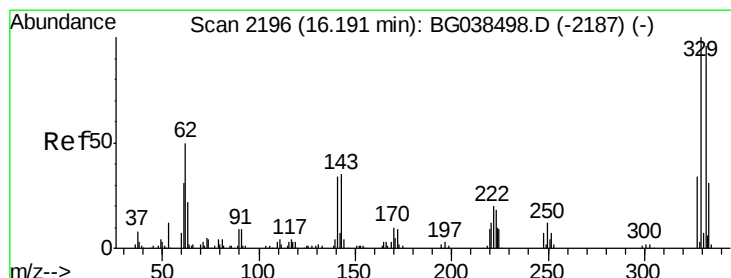
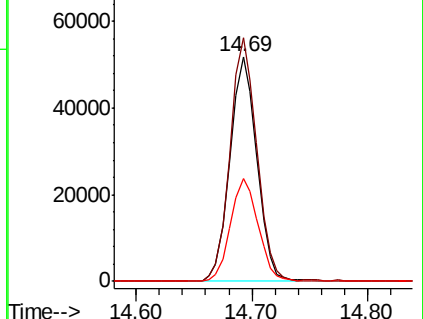
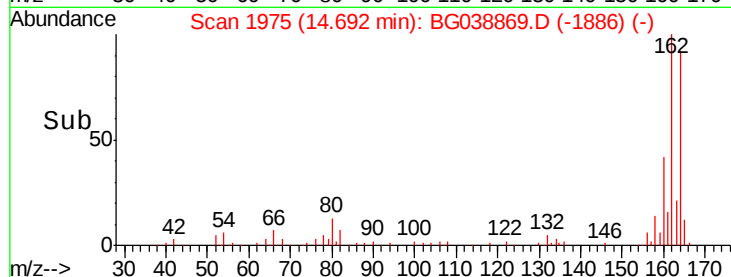
160 45.9 34.2 51.2



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: 153.168 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038869.D

Acq: 28 Dec 2018 9:41

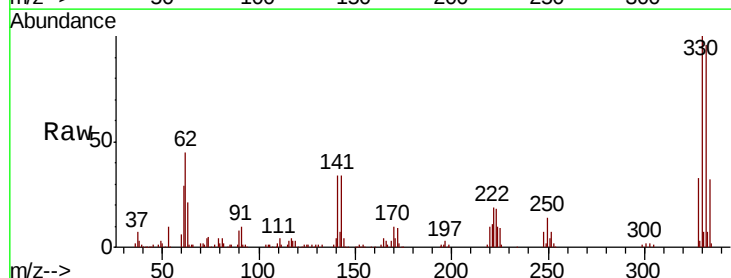
Tgt Ion:330 Resp: 177305

Ion Ratio Lower Upper

330 100

332 96.0 76.9 115.3

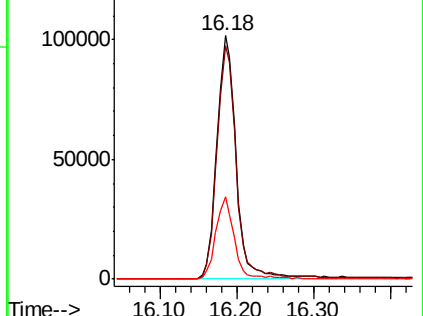
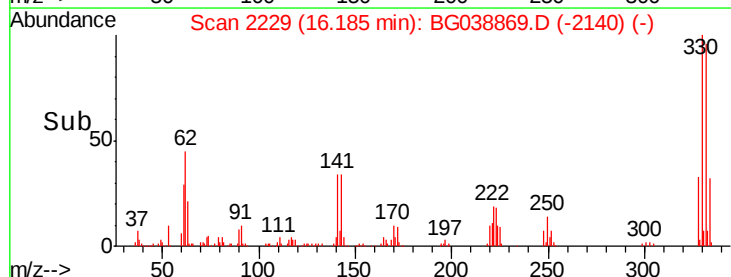
141 32.4 28.8 43.2

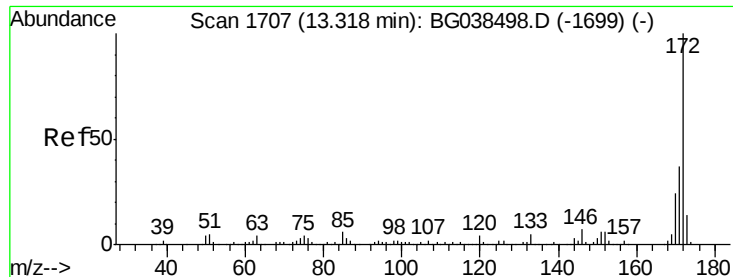


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

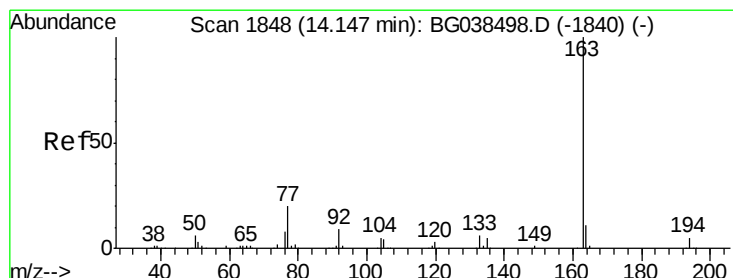
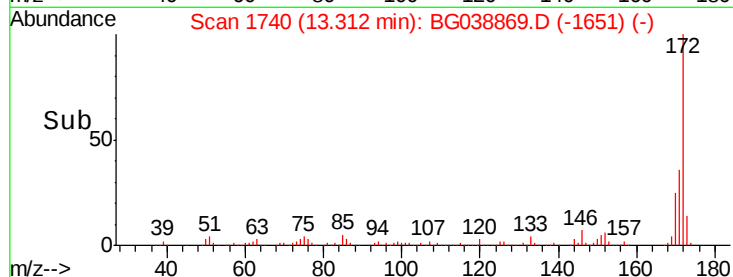
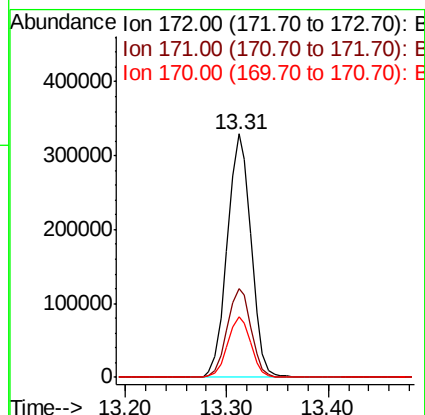
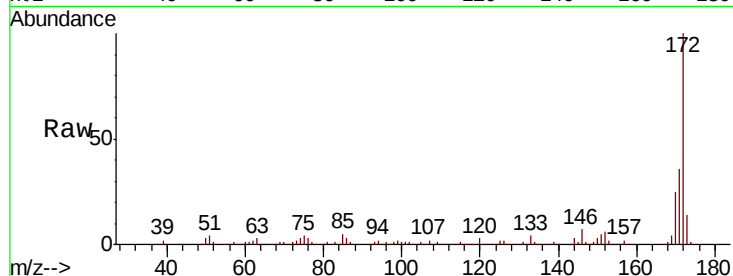




#45
2-Fluorobiphenyl
Concen: 87.770 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG038869.D
Acq: 28 Dec 2018 9:41

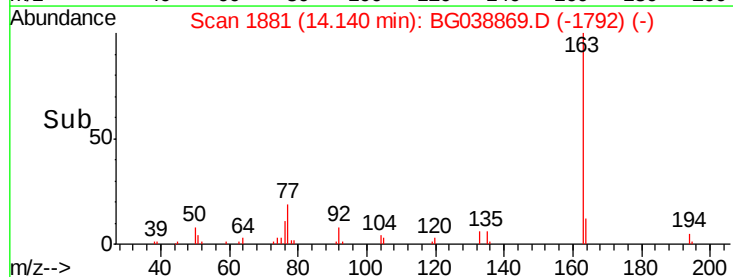
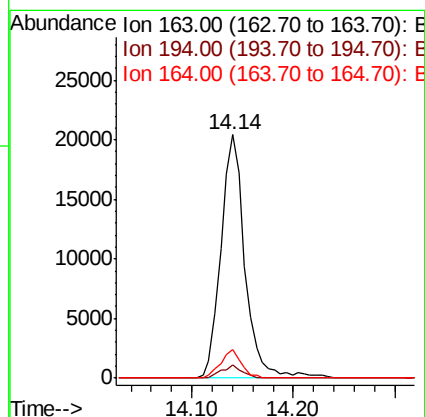
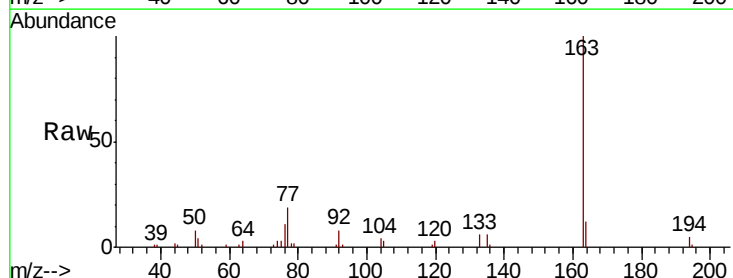
Instrument :
BNA_F
ClientSampleId :

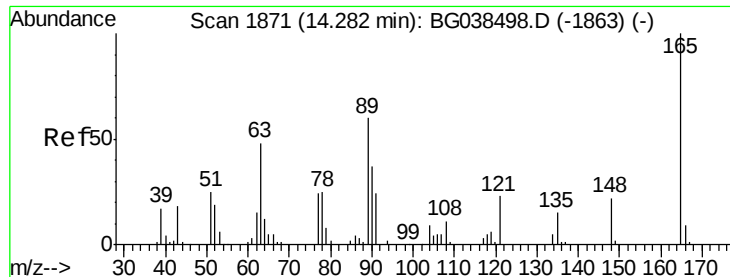
Tot Ion:172 Resp: 537391
Ion Ratio Lower Upper
172 100
171 36.3 29.8 44.6
170 24.7 19.5 29.3



#50
Dimethylphthalate
Concen: 4.898 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BG038869.D
Acq: 28 Dec 2018 9:41

Tgt Ion:163 Resp: 33599
Ion Ratio Lower Upper
163 100
194 5.3 3.7 5.5
164 11.5 8.6 12.8

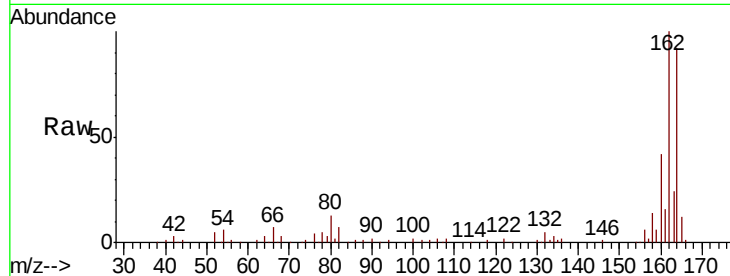




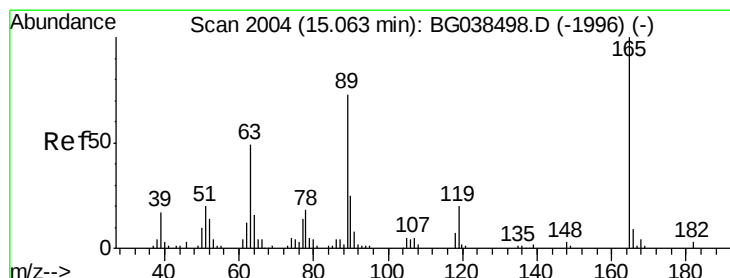
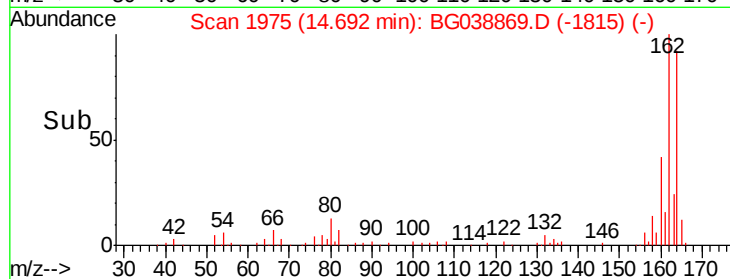
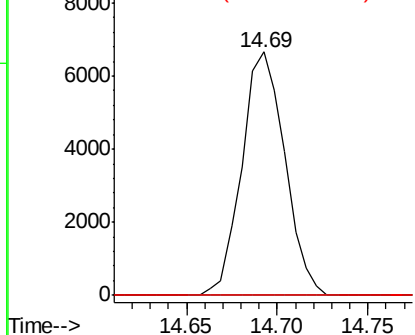
#51
 2,6-Dinitrotoluene
 Concen: 7.049 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038869.D
 Acq: 28 Dec 2018 9:41

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#



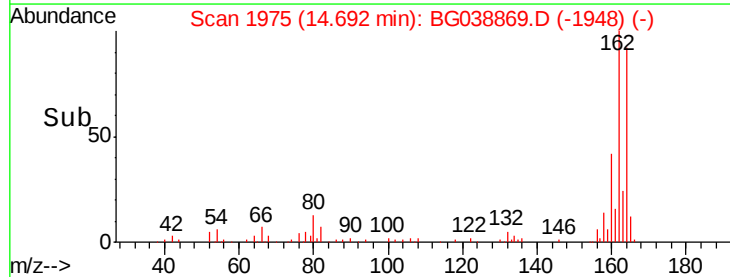
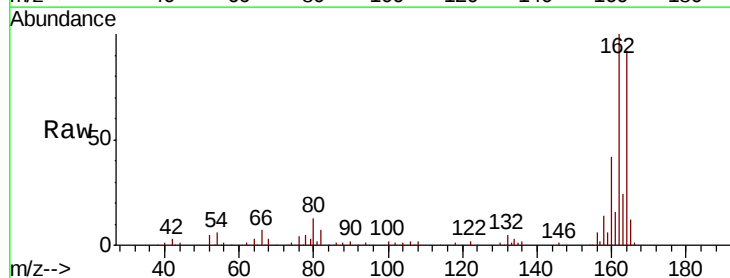
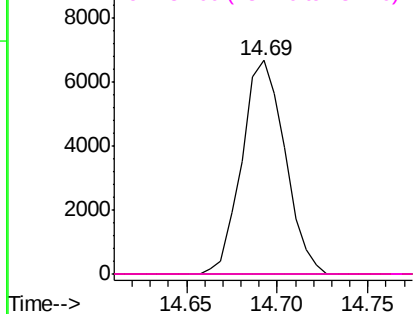
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

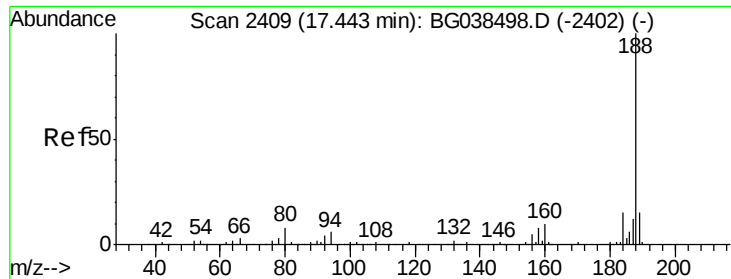


#57
 2,4-Dinitrotoluene
 Concen: 5.005 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038869.D
 Acq: 28 Dec 2018 9:41

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# 2443

Delta R.T. -0.00 min

Lab File: BG038869.D

Acq: 28 Dec 2018 9:41

Instrument :

BNA_F

ClientSampled :

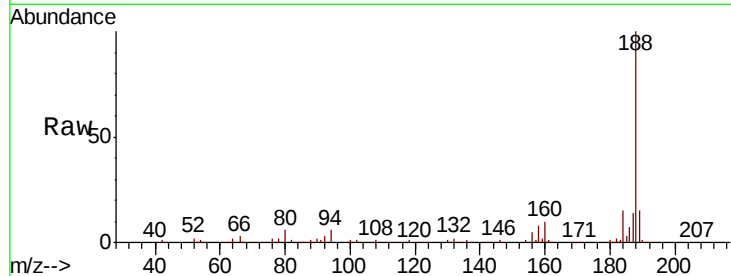
Tot Ion:188 Resp: 211864

Ion Ratio Lower Upper

188 100

94 6.2 5.1 7.7

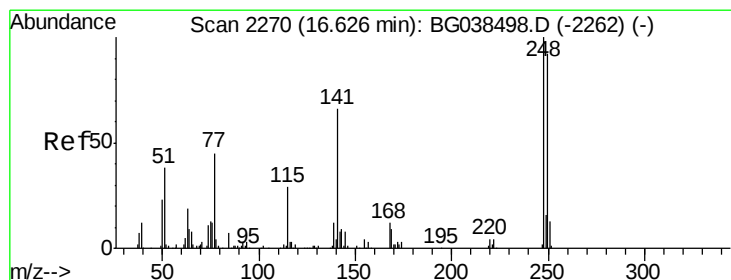
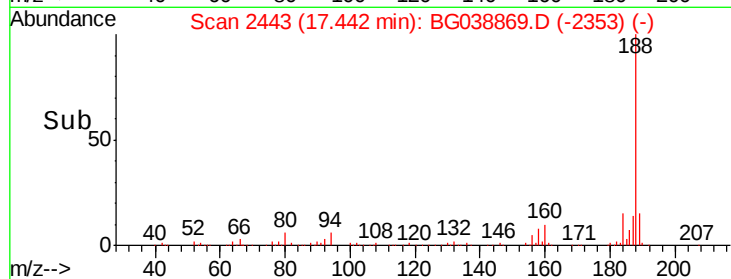
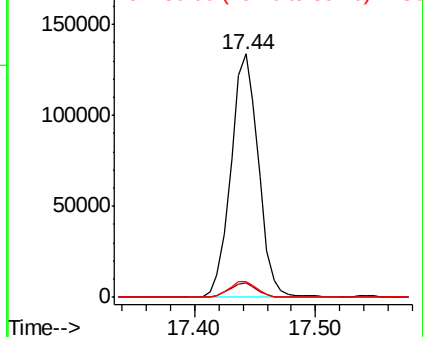
80 6.5 6.1 9.1



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: 4.502 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.44 min

Lab File: BG038869.D

Acq: 28 Dec 2018 9:41

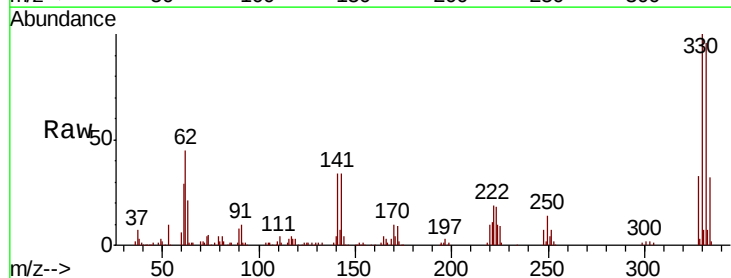
Tgt Ion:248 Resp: 11650

Ion Ratio Lower Upper

248 100

250 152.3 73.4 110.2#

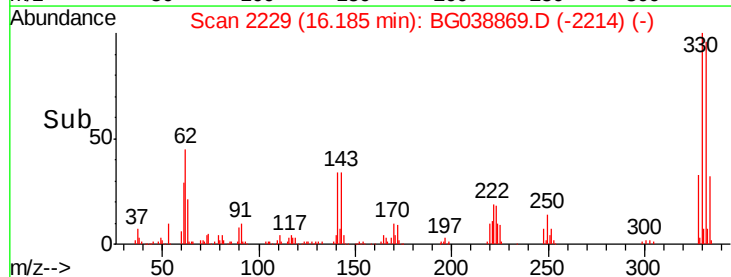
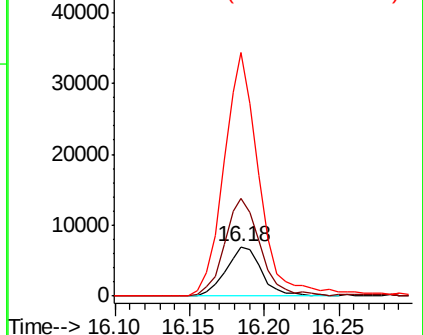
141 379.1 52.9 79.3#

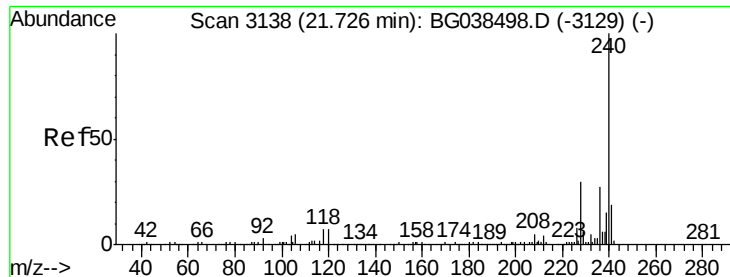


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG038869.D

Acq: 28 Dec 2018 9:41

Instrument :

BNA_F

ClientSampleId :

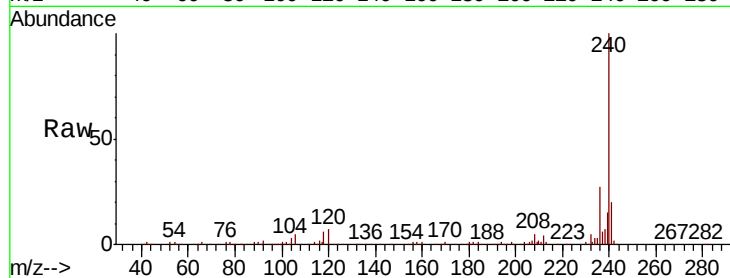
Tot Ion:240 Resp: 220246

Ion Ratio Lower Upper

240 100

120 6.7 5.3 7.9

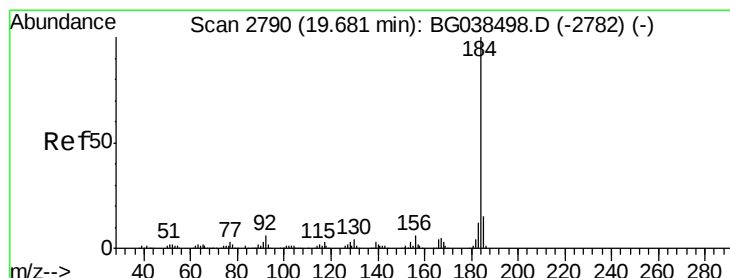
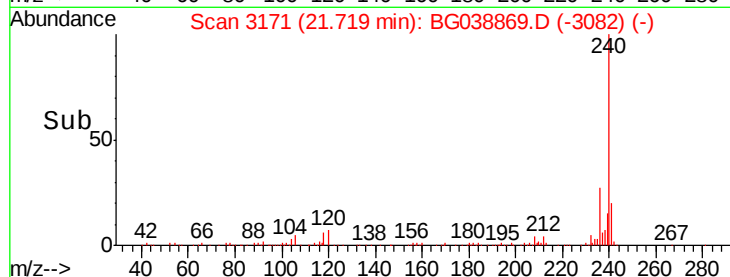
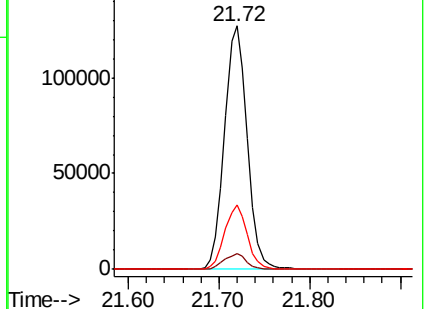
236 26.7 21.4 32.2



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: 2.645 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038869.D

Acq: 28 Dec 2018 9:41

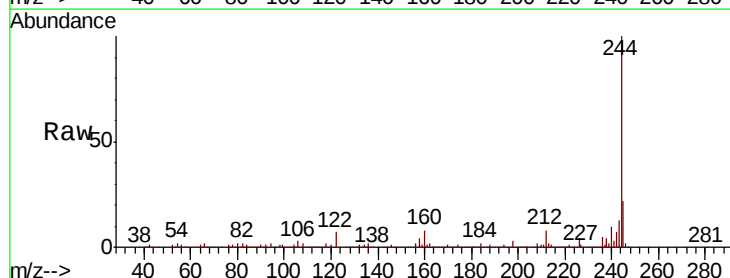
Tgt Ion:184 Resp: 17230

Ion Ratio Lower Upper

184 100

185 14.3 12.2 18.2

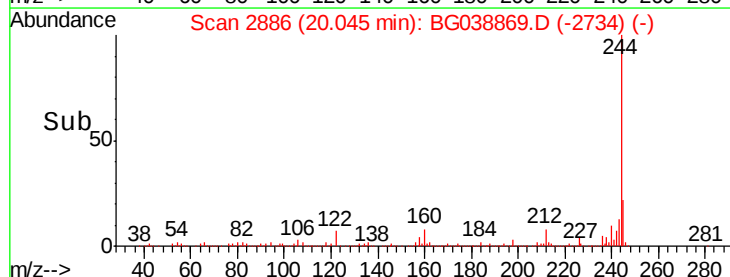
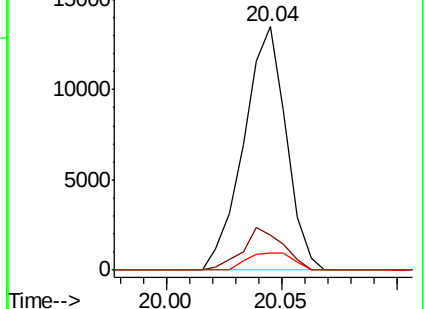
183 7.2 9.6 14.4#

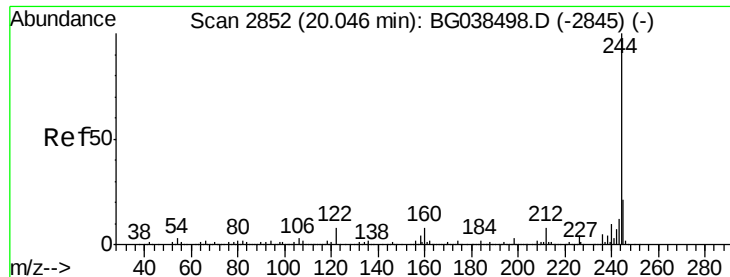


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 101.312 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038869.D

Acq: 28 Dec 2018 9:41

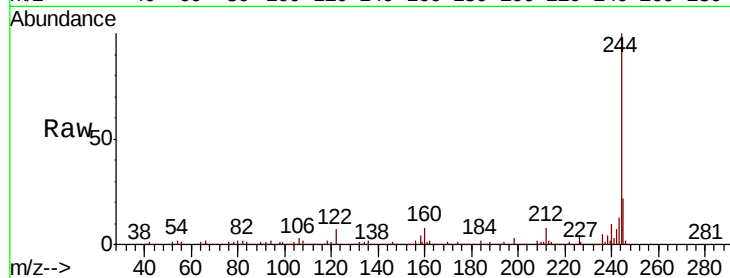
Instrument :

BNA_F

ClientSampled :

Tot Ion:244 Resp: 1025280

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.2
122	6.8	6.3	9.5

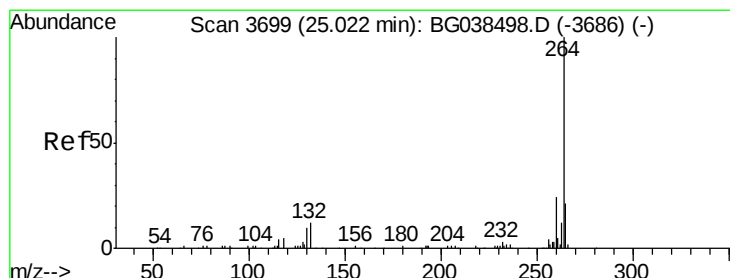
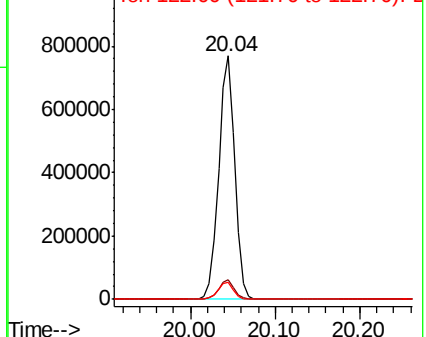
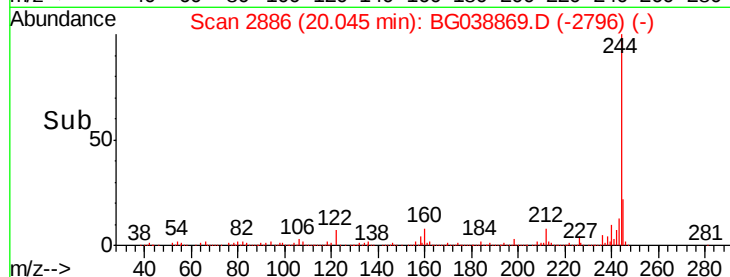


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3732

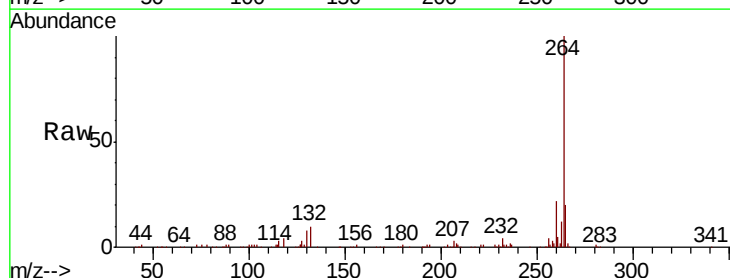
Delta R.T. -0.01 min

Lab File: BG038869.D

Acq: 28 Dec 2018 9:41

Tgt Ion:264 Resp: 232231

Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.9	28.3
265	19.8	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

