

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
 Data File : BG038560.D
 Acq On : 14 Dec 2018 9:08
 Operator : JU/SJ
 Sample : J6189-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 10:26:15 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

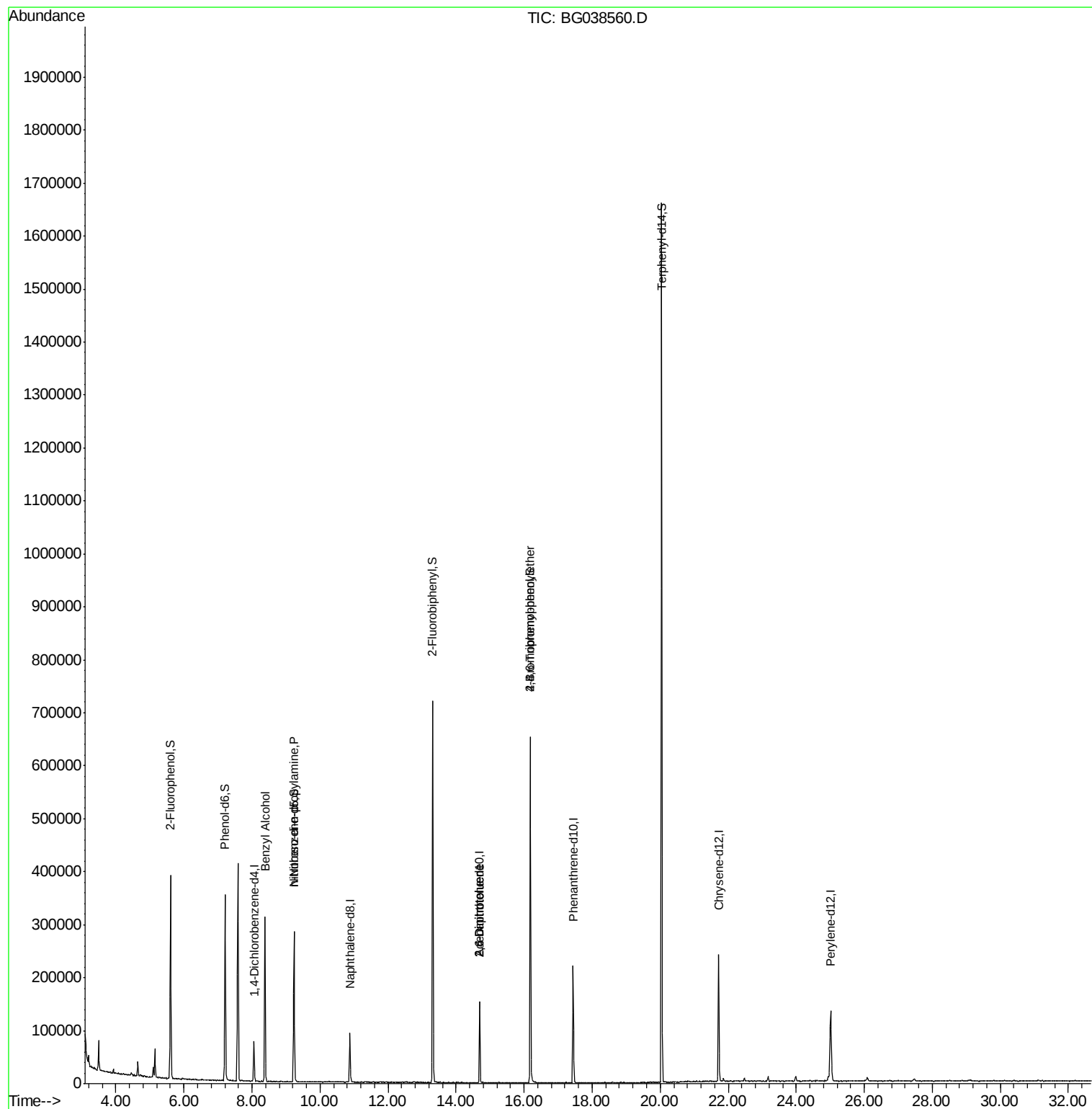
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	20562	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	82720	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	54077	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	145838	20.00	ng	0.00
76) Chrysene-d12	21.72	240	155229	20.00	ng	0.00
87) Perylene-d12	25.01	264	166255	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	166889	143.96	ng	0.00
7) Phenol-d6	7.21	99	197651	124.19	ng	0.00
23) Nitrobenzene-d5	9.23	82	166207	102.65	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	126397	169.60	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	389871	98.90	ng	0.00
79) Terphenyl-d14	20.04	244	808946	113.42	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.38	79	2815	2.266	ng	# 56
19) n-Nitroso-di-n-propylamine	9.23	70	21950	19.637	ng	# 71
51) 2,6-Dinitrotoluene	14.69	165	6763	6.758	ng	# 22
57) 2,4-Dinitrotoluene	14.69	165	6763	4.798	ng	# 24
67) 4-Bromophenyl-phenylether	16.18	248	8722	4.897	ng	# 1

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

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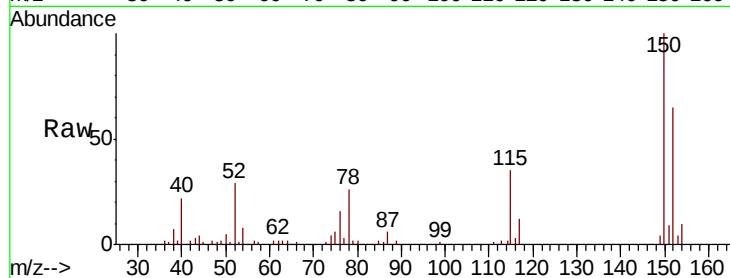


#1

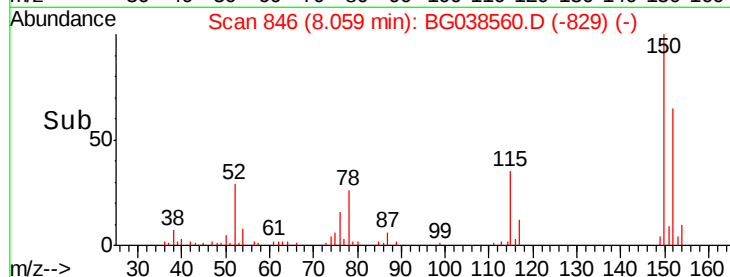
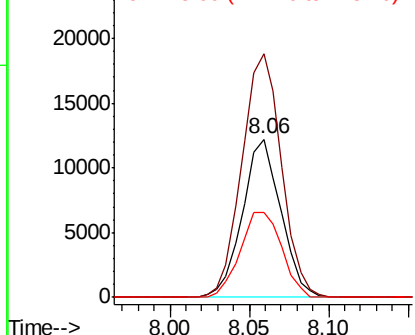
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038560.D
Acq: 14 Dec 2018 9:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 20562
Ion Ratio Lower Upper
152 100
150 154.3 119.5 179.3
115 53.9 49.6 74.4



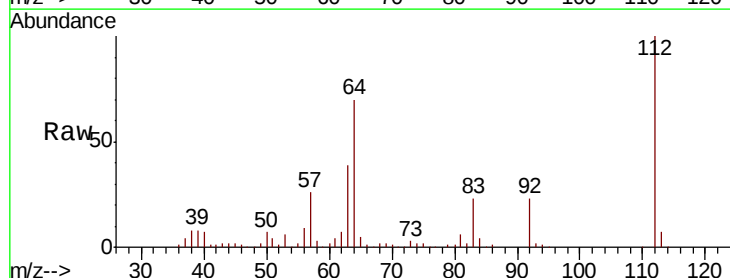
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



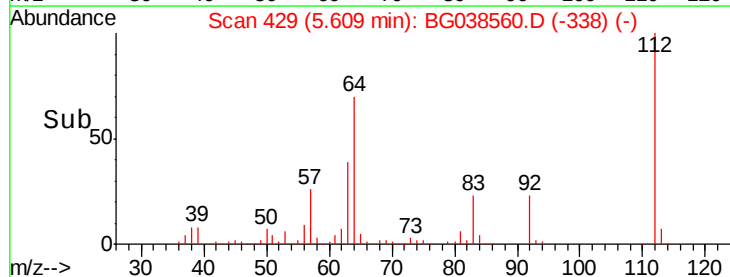
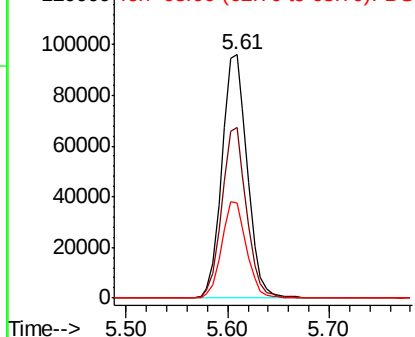
#5

2-Fluorophenol
Concen: 143.956 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038560.D
Acq: 14 Dec 2018 9:08

Tgt Ion:112 Resp: 166889
Ion Ratio Lower Upper
112 100
64 69.9 53.4 80.2
63 39.0 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: 124.192 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038560.D

Acq: 14 Dec 2018 9:08

Instrument :

BNA_F

ClientSampled :

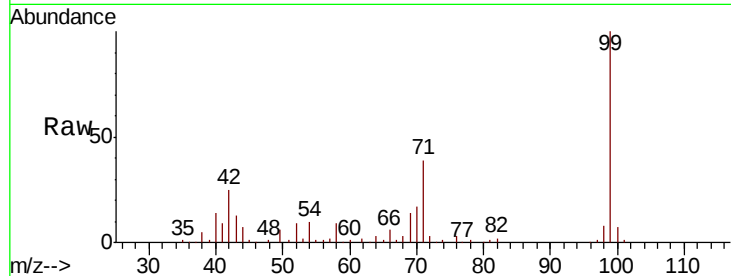
Tot Ion: 99 Resp: 197651

Ion Ratio Lower Upper

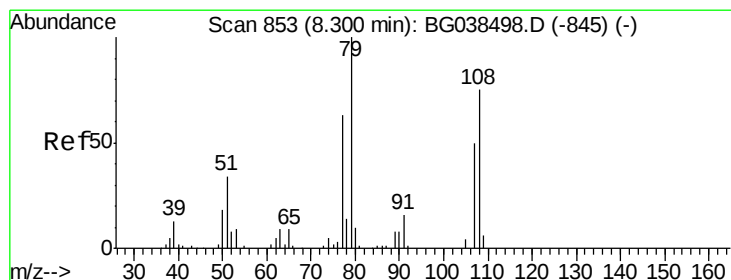
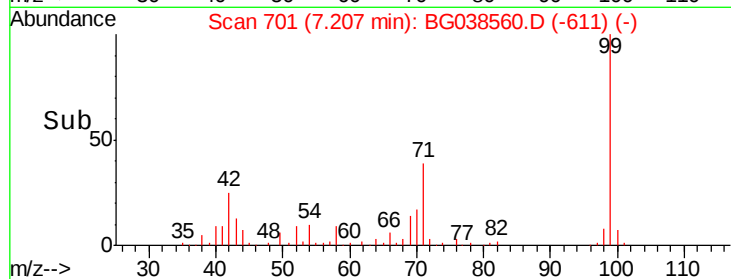
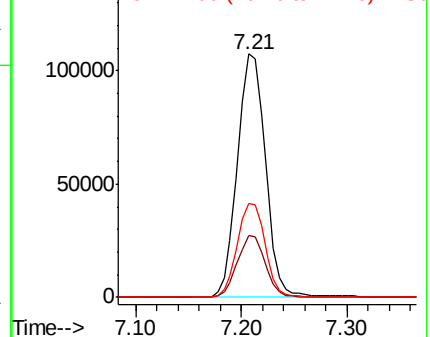
99 100

42 25.3 18.5 27.7

71 38.6 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: 2.266 ng

RT: 8.38 min Scan# 901

Delta R.T. 0.08 min

Lab File: BG038560.D

Acq: 14 Dec 2018 9:08

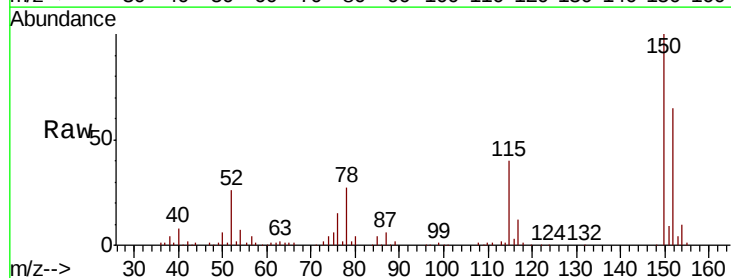
Tgt Ion: 79 Resp: 2815

Ion Ratio Lower Upper

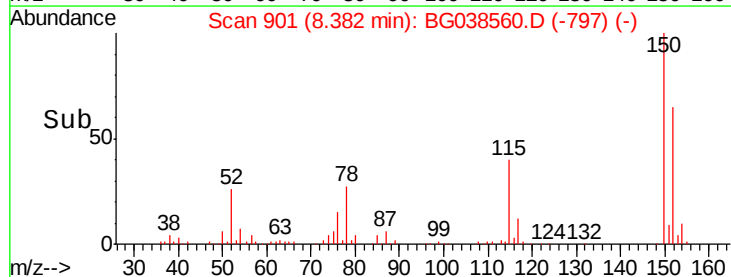
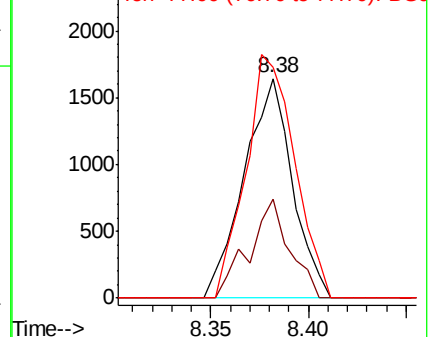
79 100

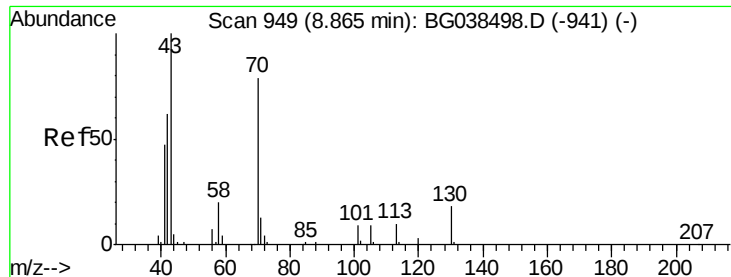
108 44.9 60.2 90.4#

77 105.1 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

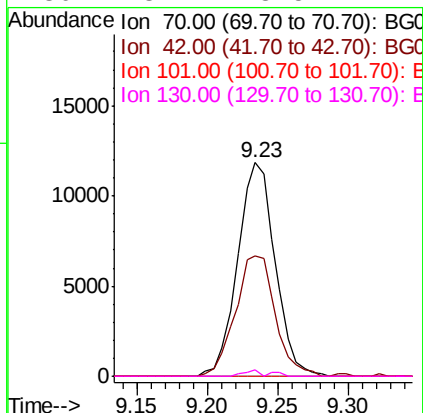
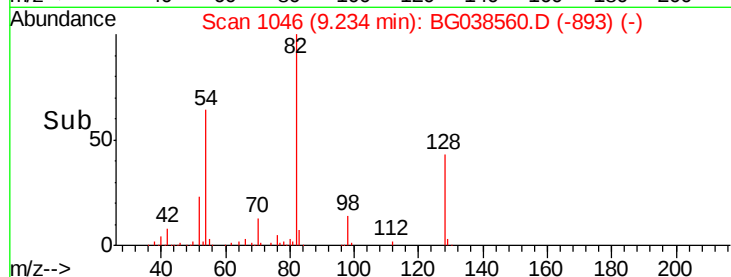
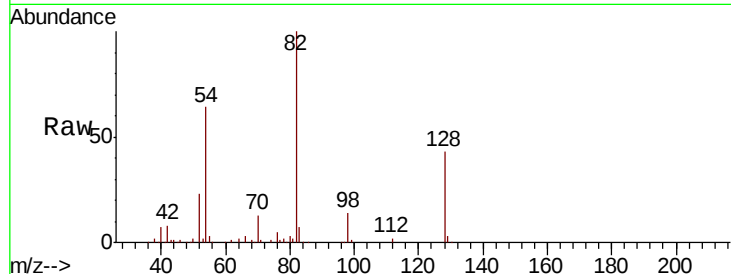




#19
n-Nitroso-di-n-propylamine
Concen: 19.637 ng
RT: 9.23 min Scan# 1046
Delta R.T. 0.37 min
Lab File: BG038560.D
Acq: 14 Dec 2018 9:08

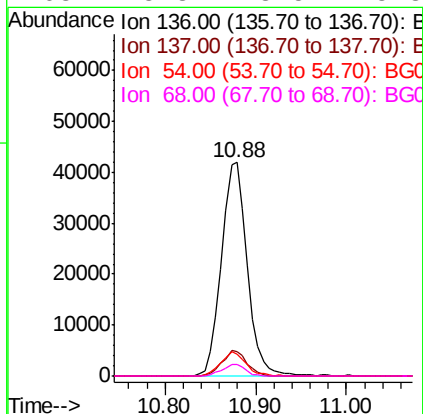
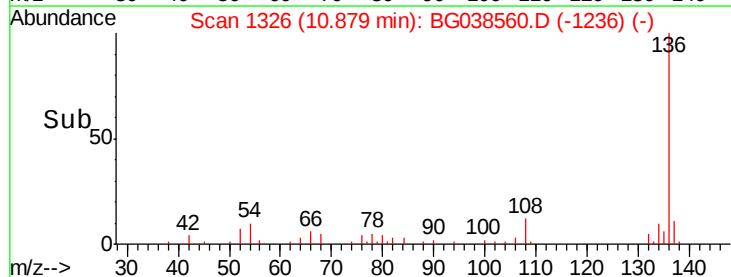
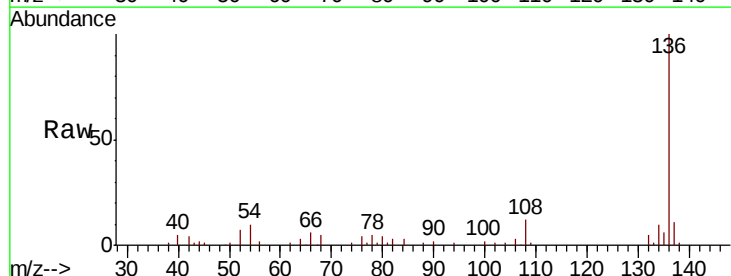
Instrument :
BNA_F
ClientSampleId :

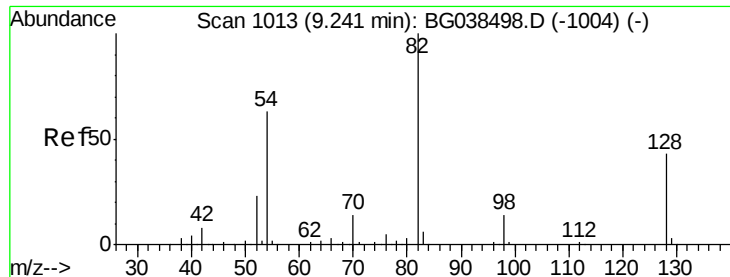
Tot Ion: 70 Resp: 21950
Ion Ratio Lower Upper
70 100
42 56.6 63.6 95.4#
101 0.0 9.2 13.8#
130 3.1 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038560.D
Acq: 14 Dec 2018 9:08

Tgt Ion:136 Resp: 82720
Ion Ratio Lower Upper
136 100
137 11.5 9.3 13.9
54 10.1 8.5 12.7
68 5.3 3.5 5.3

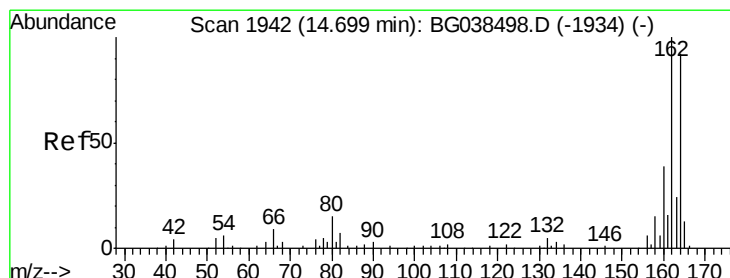
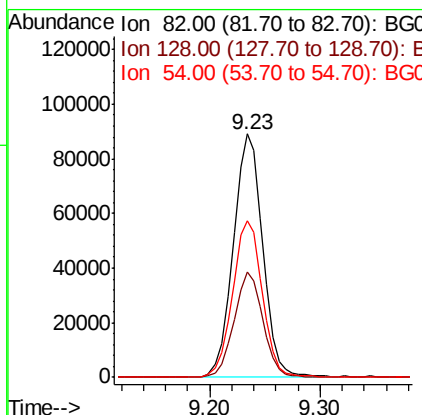
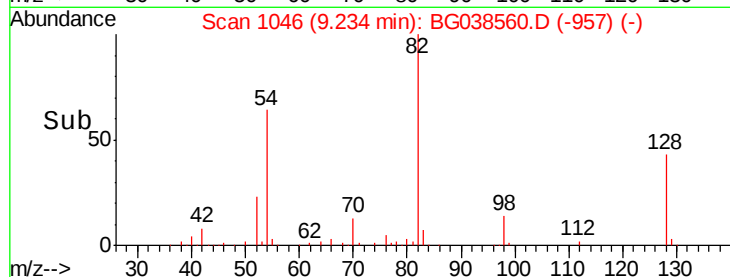
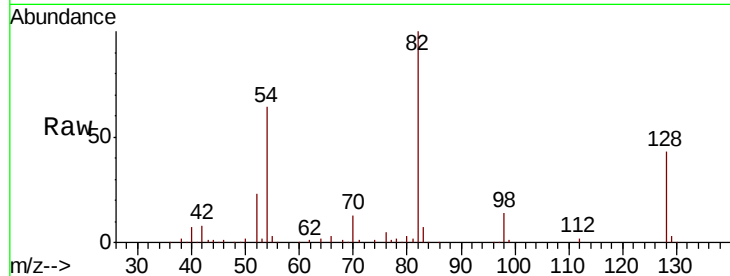




#23
 Nitrobenzene-d5
 Concen: 102.648 ng
 RT: 9.23 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BG038560.D
 Acq: 14 Dec 2018 9:08

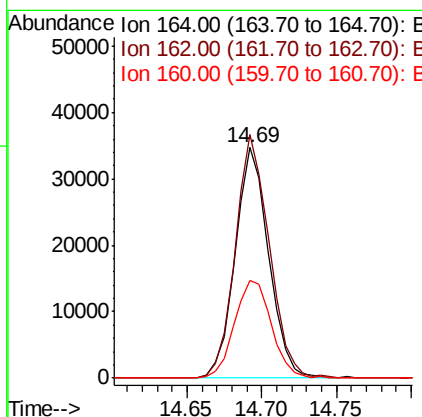
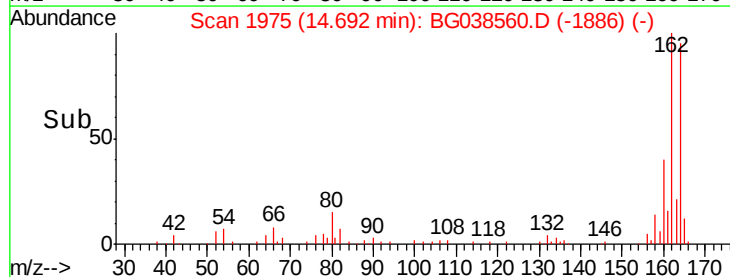
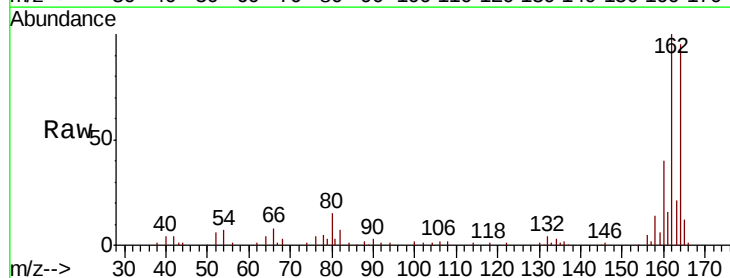
Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82.00	Resp	166207
Ion Ratio	Lower	Upper	
82	100		
128	43.1	34.6	52.0
54	64.2	50.6	76.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.01 min
 Lab File: BG038560.D
 Acq: 14 Dec 2018 9:08

Tgt Ion	164.00	Resp	54077
Ion Ratio	Lower	Upper	
164	100		
162	105.7	86.6	130.0
160	42.6	34.2	51.2





#42

2,4,6-Tribromophenol

Concen: 169.597 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038560.D

Acq: 14 Dec 2018 9:08

Instrument :

BNA_F

ClientSampleId :

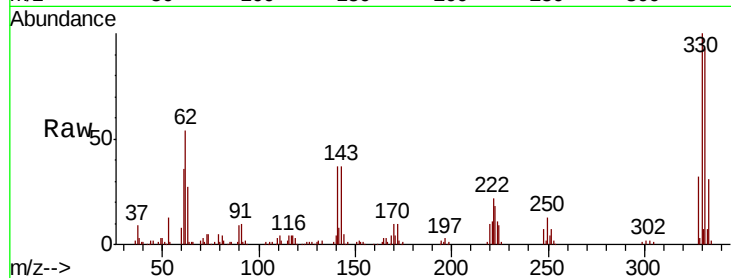
Tot Ion:330 Resp: 126397

Ion Ratio Lower Upper

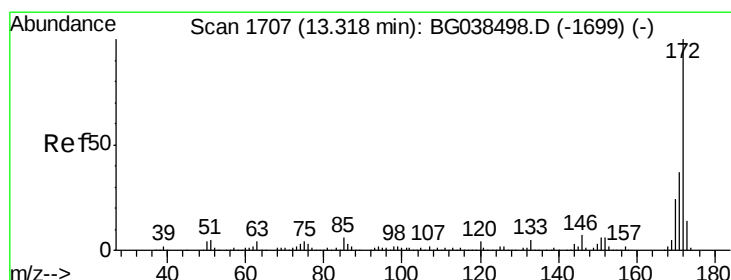
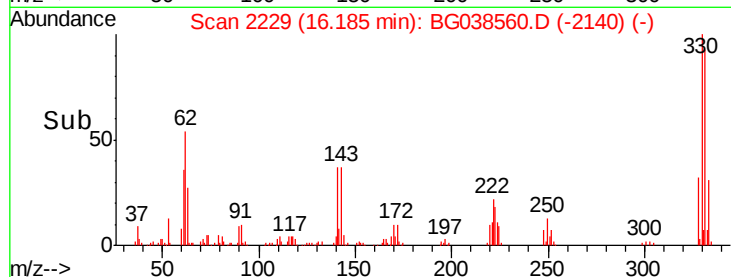
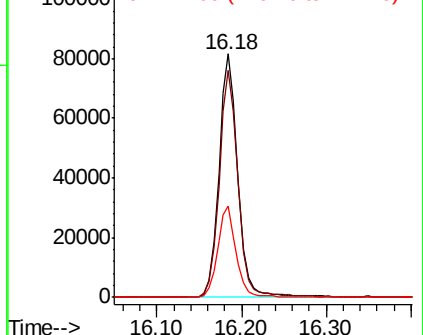
330 100

332 93.3 76.9 115.3

141 36.6 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: 98.904 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BG038560.D

Acq: 14 Dec 2018 9:08

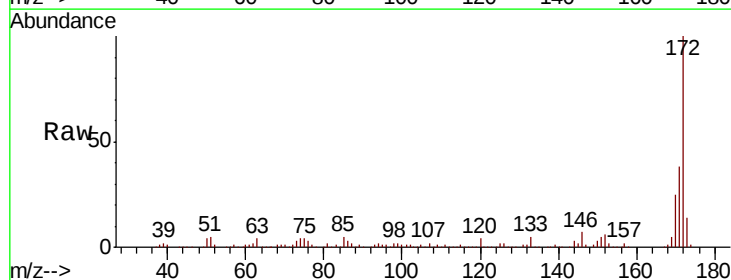
Tgt Ion:172 Resp: 389871

Ion Ratio Lower Upper

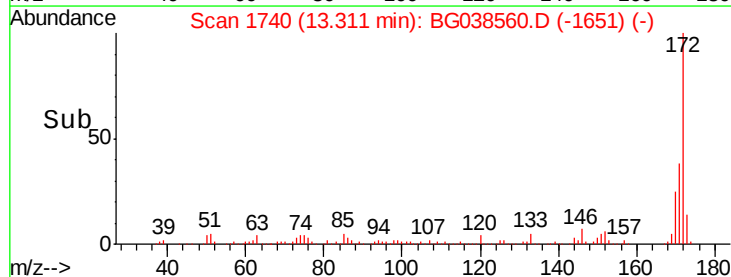
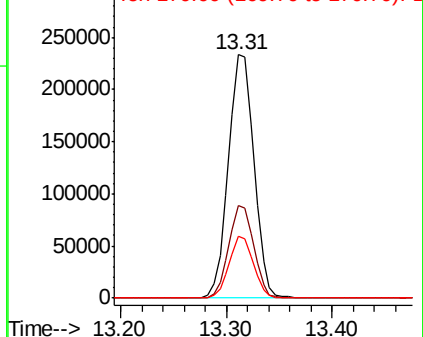
172 100

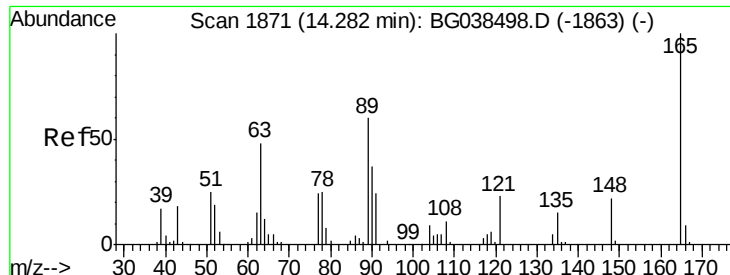
171 37.8 29.8 44.6

170 25.4 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

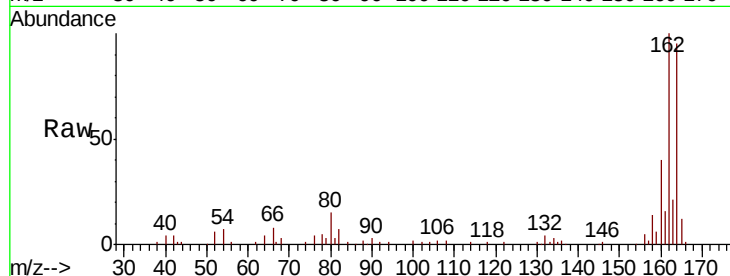




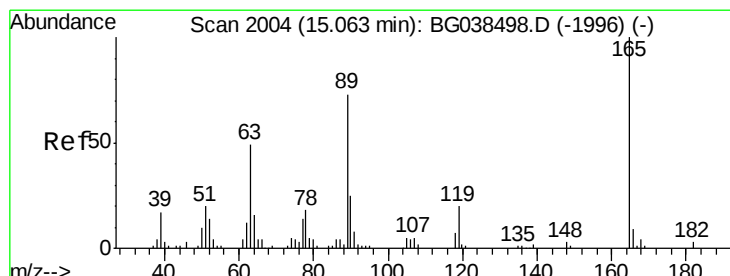
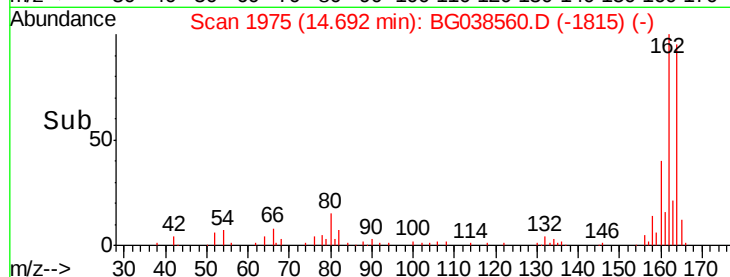
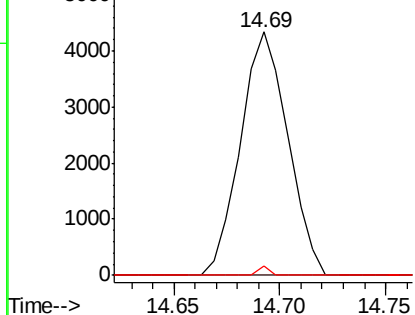
#51
 2,6-Dinitrotoluene
 Concen: 6.758 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038560.D
 Acq: 14 Dec 2018 9:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	4.0	47.9	71.9#

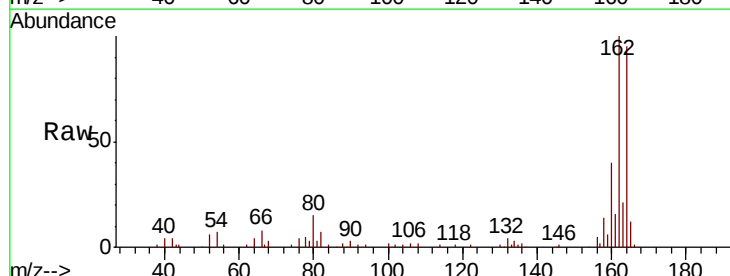


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

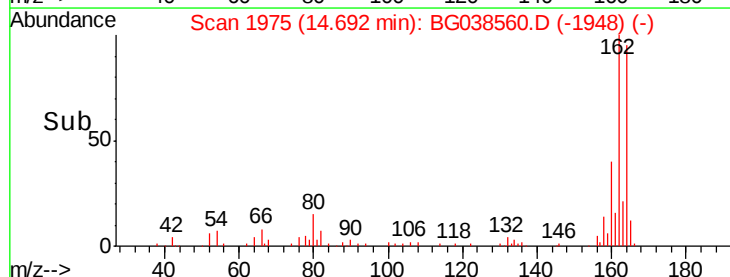
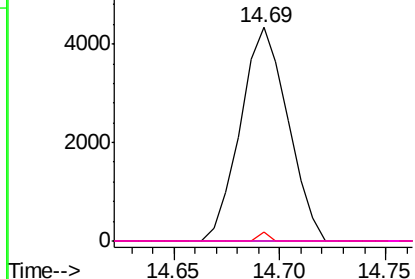


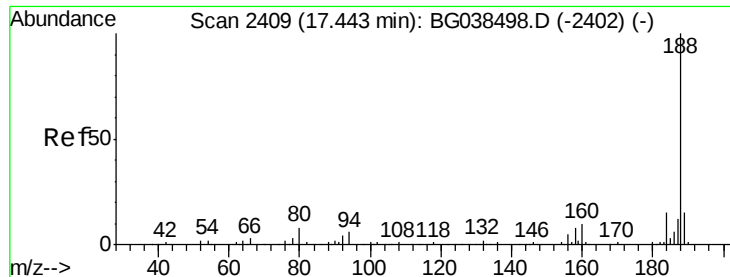
#57
 2,4-Dinitrotoluene
 Concen: 4.798 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038560.D
 Acq: 14 Dec 2018 9:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	4.0	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

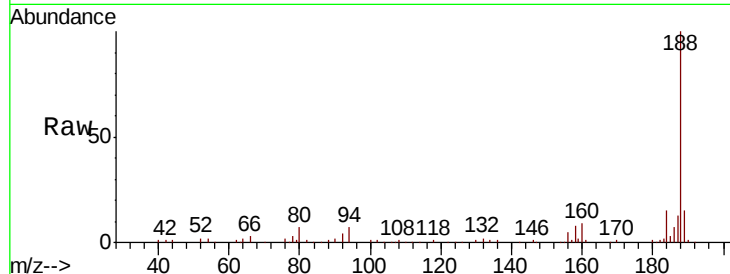




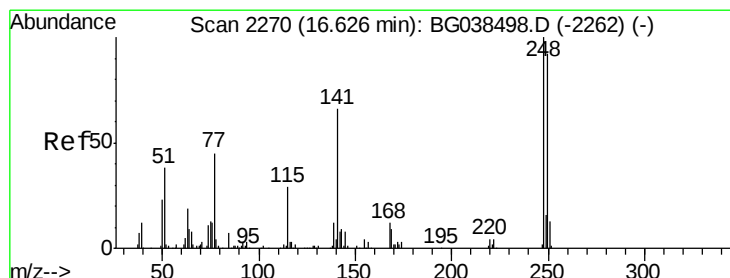
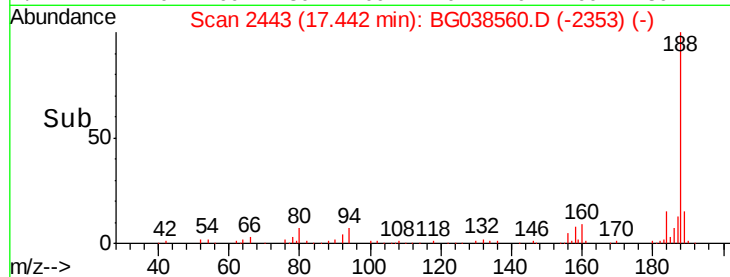
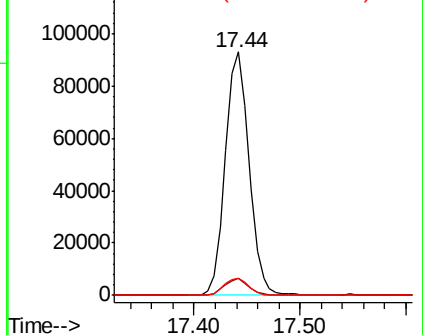
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG038560.D
Acq: 14 Dec 2018 9:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 145838
Ion Ratio Lower Upper
188 100
94 7.0 5.1 7.7
80 7.2 6.1 9.1

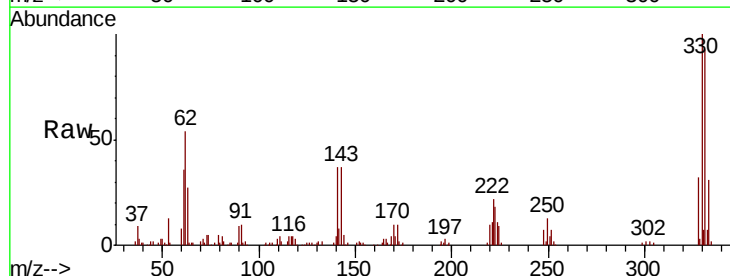


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

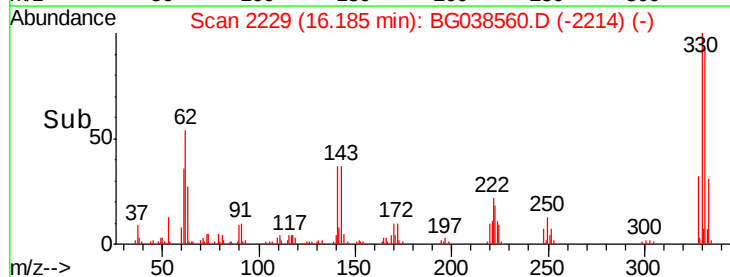
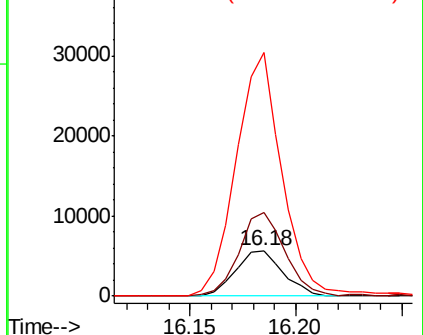


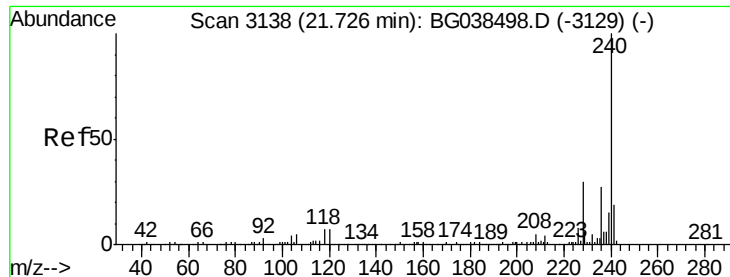
#67
4-Bromophenyl-phenylether
Concen: 4.897 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038560.D
Acq: 14 Dec 2018 9:08

Tgt Ion:248 Resp: 8722
Ion Ratio Lower Upper
248 100
250 184.9 73.4 110.2#
141 407.4 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: BG038560.D

Acq: 14 Dec 2018 9:08

Instrument :

BNA_F

ClientSampled :

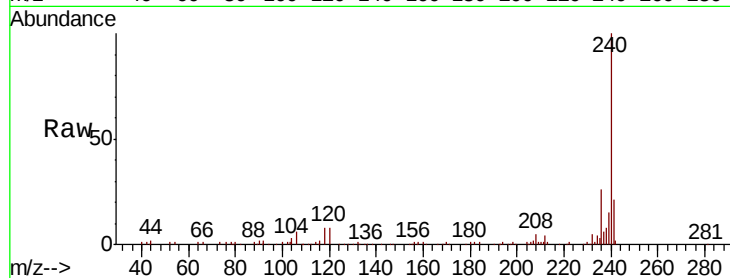
Tot Ion:240 Resp: 155229

Ion Ratio Lower Upper

240 100

120 7.5 5.3 7.9

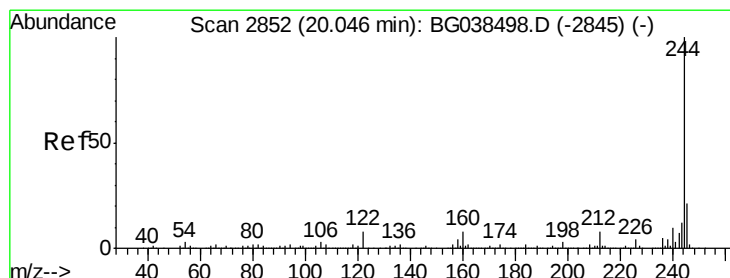
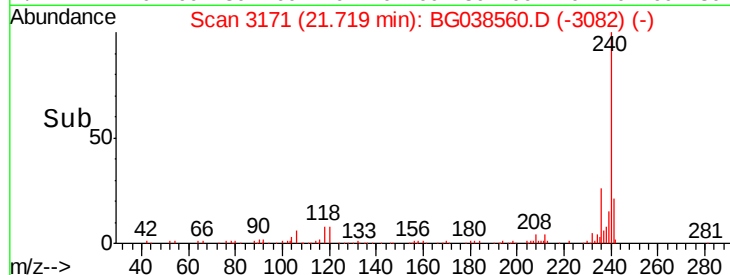
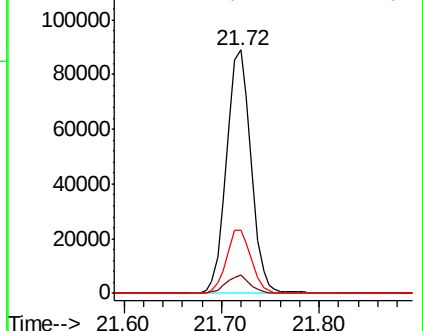
236 26.2 21.4 32.2



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



#79

Terphenyl-d14

Concen: 113.415 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038560.D

Acq: 14 Dec 2018 9:08

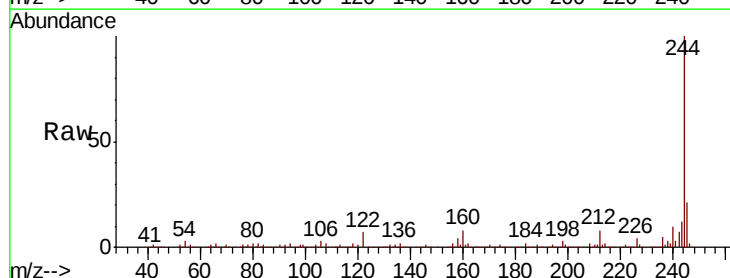
Tgt Ion:244 Resp: 808946

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

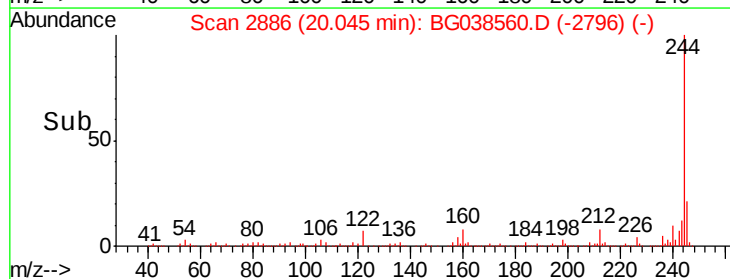
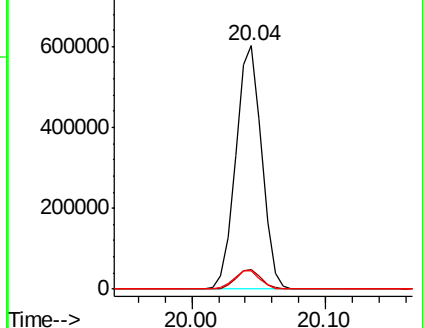
122 7.3 6.3 9.5

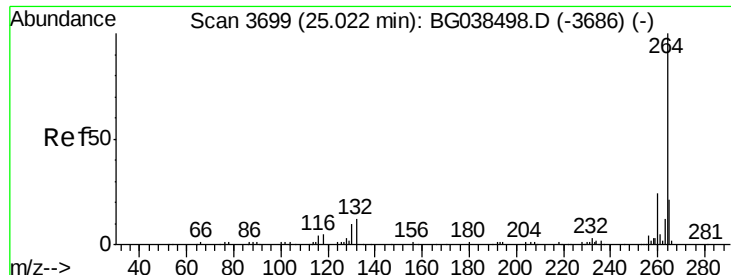


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

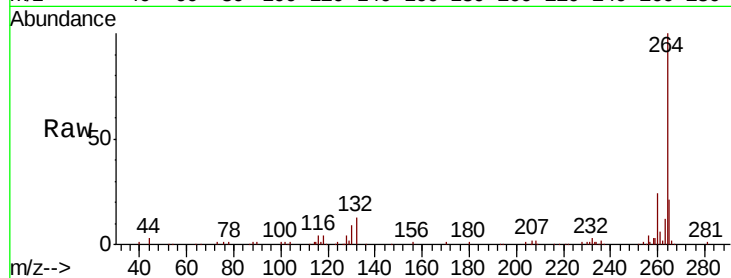




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.01 min Scan# 3731
 Delta R.T. -0.01 min
 Lab File: BG038560.D
 Acq: 14 Dec 2018 9:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.1	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

