

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122818\
 Data File : BG038889.D
 Acq On : 29 Dec 2018 1:03
 Operator : JU/SJ
 Sample : PB116060BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 29 04:33:36 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

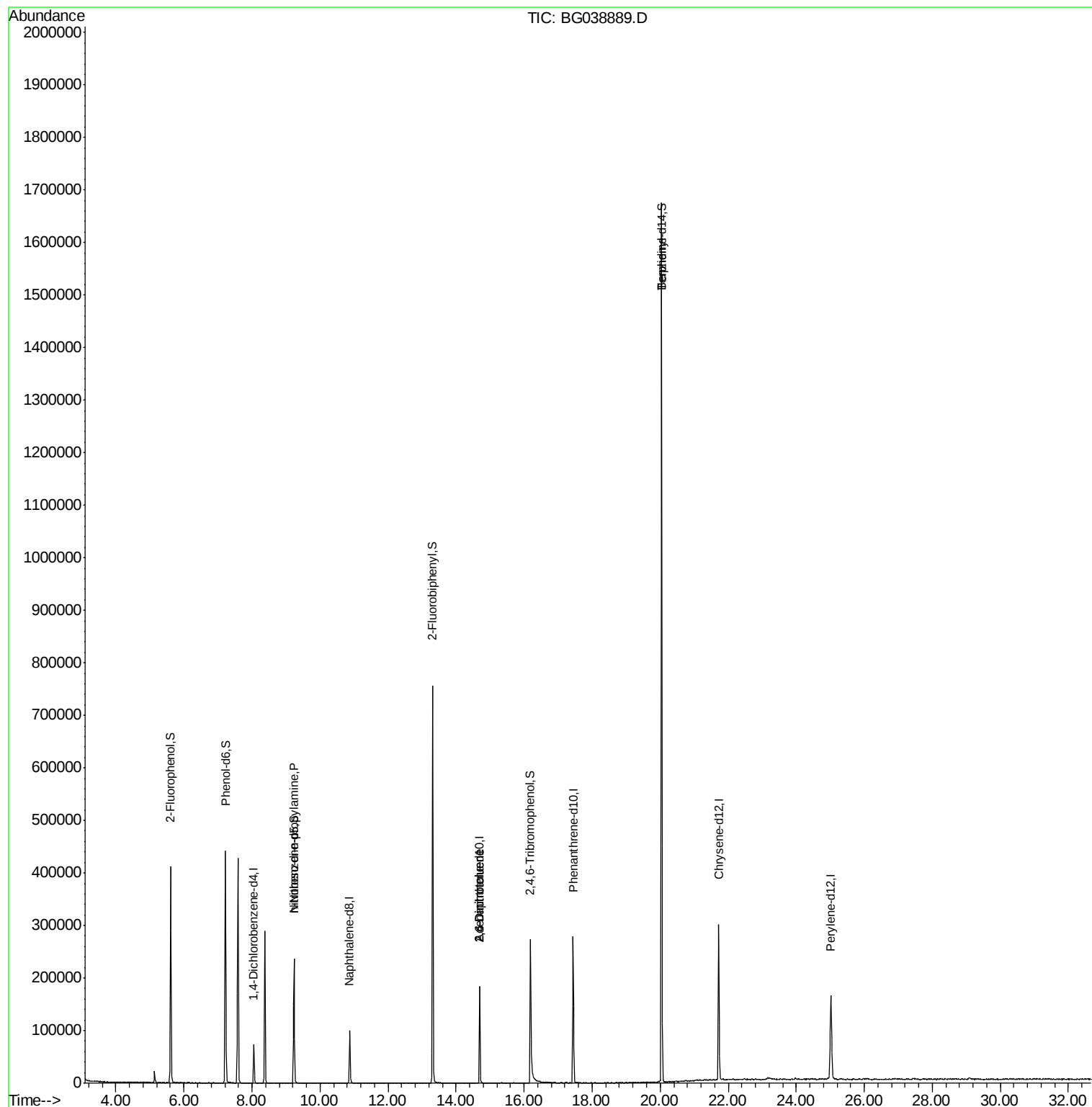
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	21835	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	91998	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	72360	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	190534	20.00	ng	0.00
76) Chrysene-d12	21.72	240	199887	20.00	ng	0.00
87) Perylene-d12	25.02	264	210764	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	185917	151.02	ng	0.00
7) Phenol-d6	7.22	99	263753	156.06	ng	0.01
23) Nitrobenzene-d5	9.23	82	142818	79.31	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	79518	79.74	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	429267	81.38	ng	0.00
79) Terphenyl-d14	20.04	244	866088	94.30	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	18881	15.907	ng	# 64
51) 2,6-Dinitrotoluene	14.69	165	9230	6.893	ng	# 21
57) 2,4-Dinitrotoluene	14.69	165	9230	4.894	ng	# 23
77) Benzidine	20.04	184	14026	2.373	ng	# 96

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122818\
Data File : BG038889.D
Acq On : 29 Dec 2018 1:03
Operator : JU/SJ
Sample : PB116060BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Dec 29 04:33:36 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



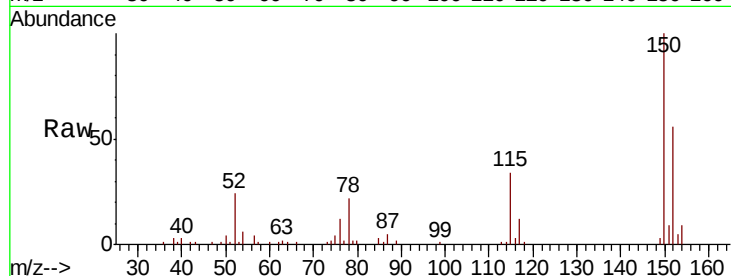


#1

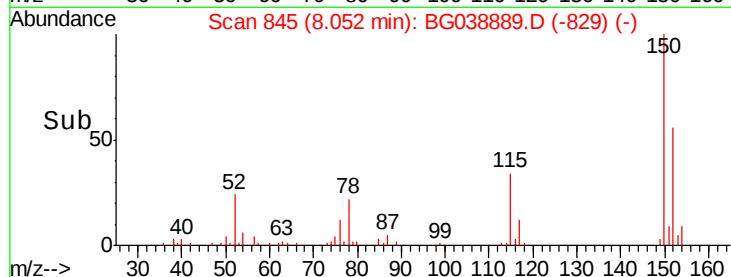
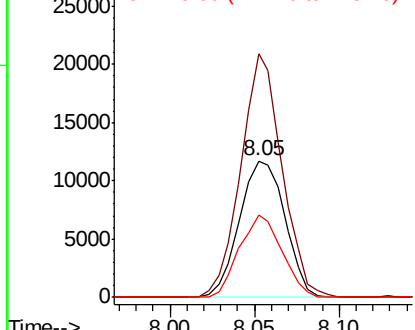
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038889.D
Acq: 29 Dec 2018 1:03

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 21835
Ion Ratio Lower Upper
152 100
150 178.2 119.5 179.3
115 60.3 49.6 74.4



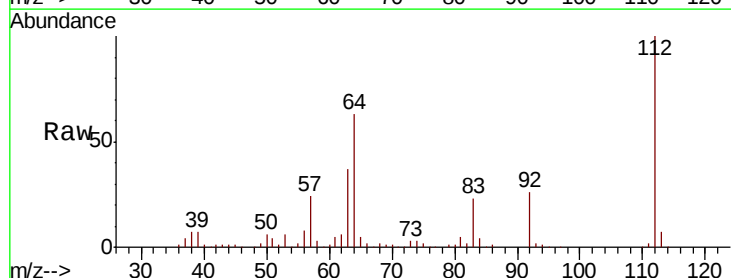
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



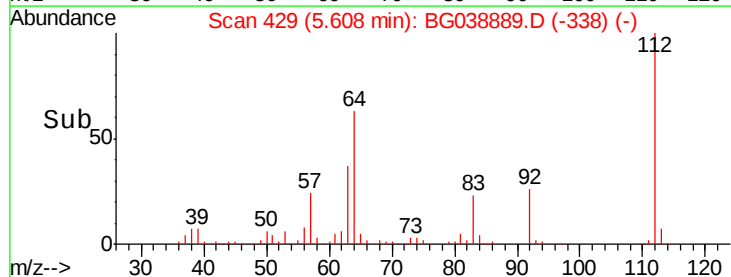
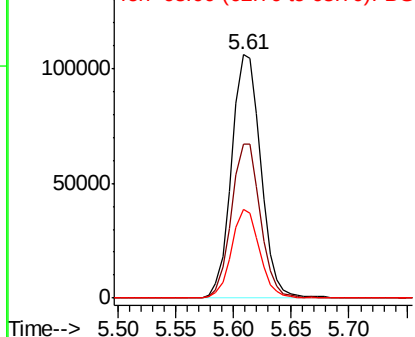
#5

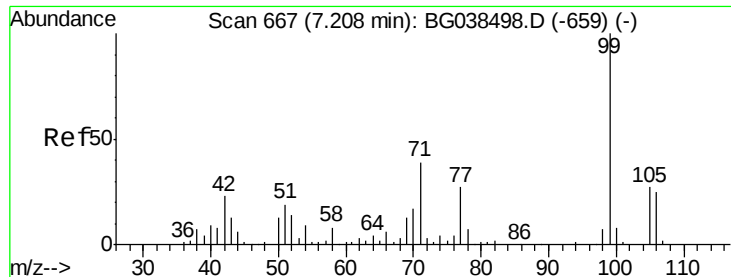
2-Fluorophenol
Concen: 151.020 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038889.D
Acq: 29 Dec 2018 1:03

Tgt Ion:112 Resp: 185917
Ion Ratio Lower Upper
112 100
64 63.1 53.4 80.2
63 36.6 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: 156.064 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038889.D

Acq: 29 Dec 2018 1:03

Instrument :

BNA_G

ClientSampleId :

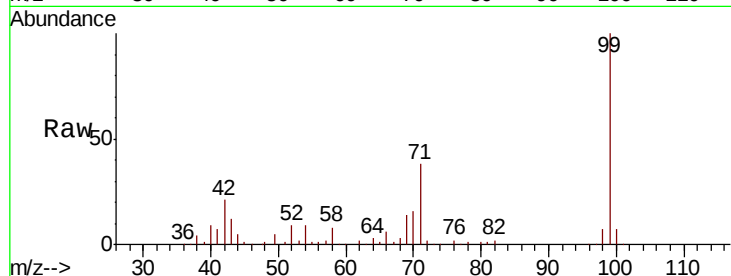
Tot Ion: 99 Resp: 263753

Ion Ratio Lower Upper

99 100

42 21.2 18.5 27.7

71 38.2 31.1 46.7

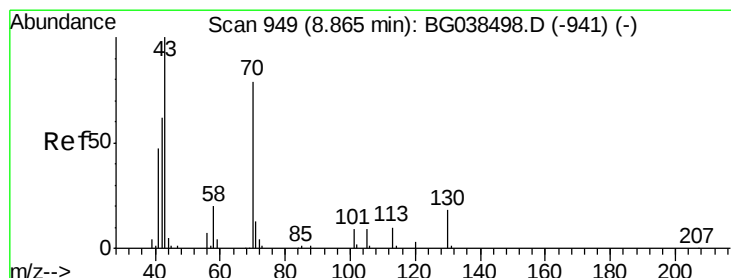
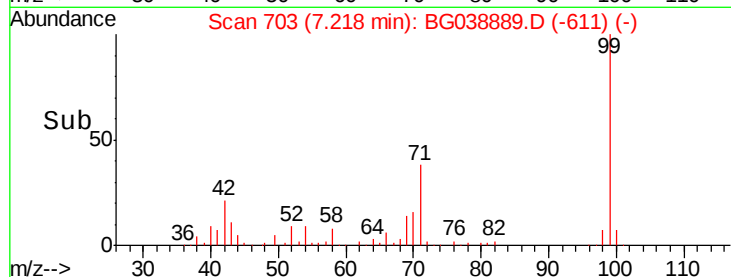
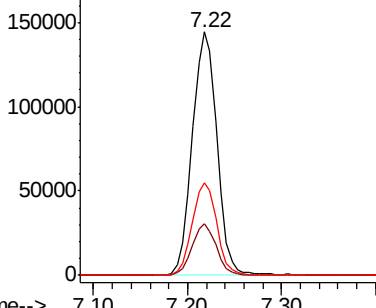


Abundance

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: 15.907 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038889.D

Acq: 29 Dec 2018 1:03

Tgt Ion: 70 Resp: 18881

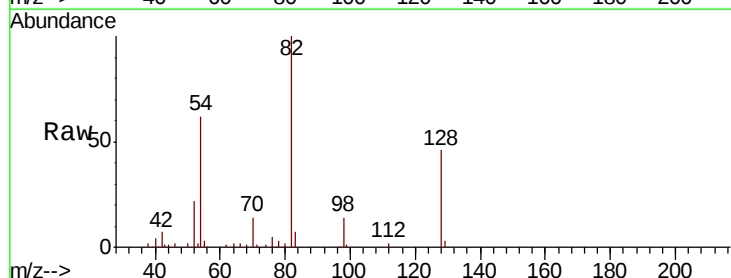
Ion Ratio Lower Upper

70 100

42 48.8 63.6 95.4#

101 0.0 9.2 13.8#

130 2.5 18.5 27.7#



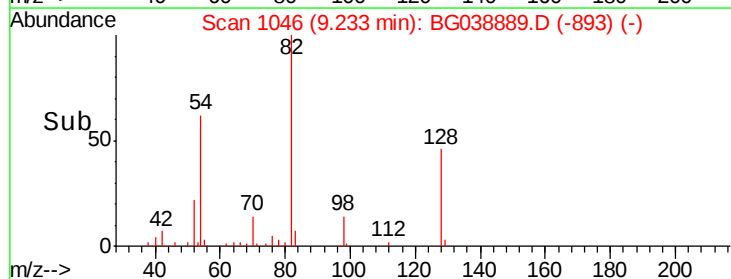
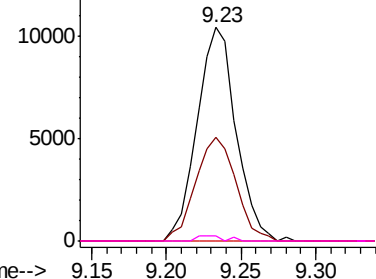
Abundance

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

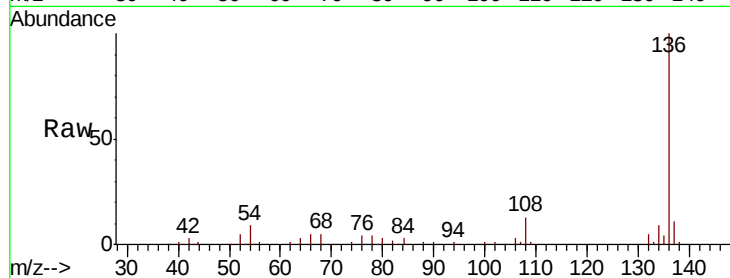




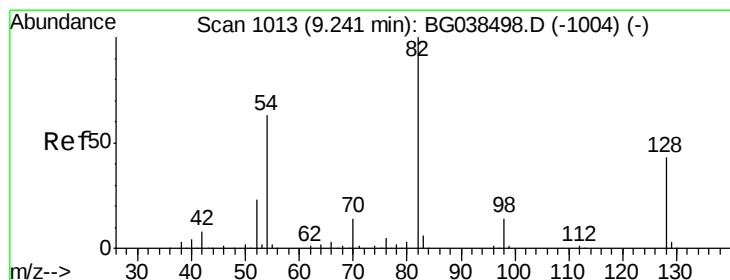
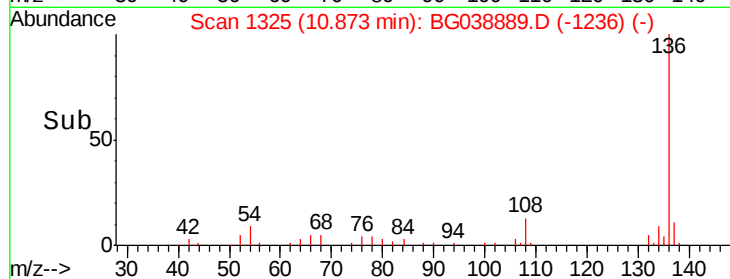
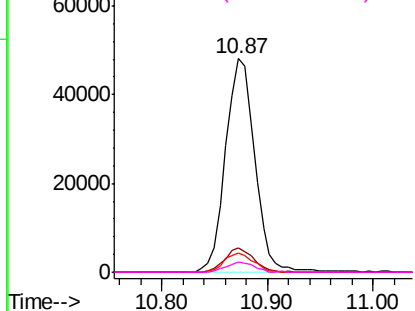
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038889.D
Acq: 29 Dec 2018 1:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	91998
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.3 13.9
54	9.4	8.5 12.7
68	4.5	3.5 5.3

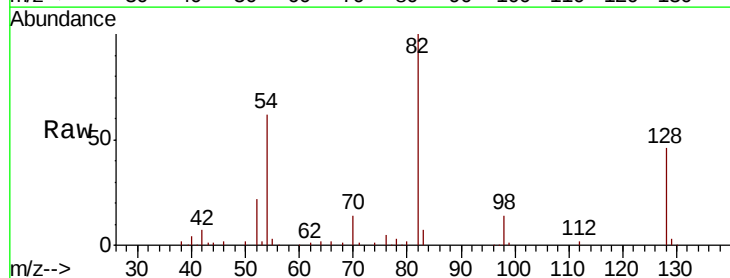


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

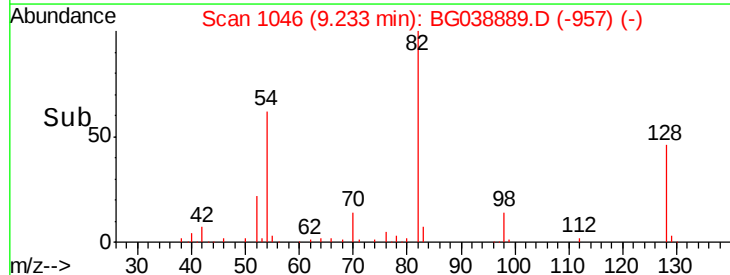
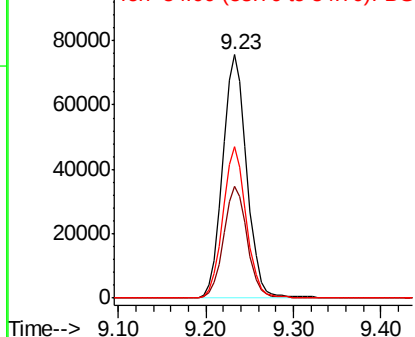


#23
Nitrobenzene-d5
Concen: 79.308 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038889.D
Acq: 29 Dec 2018 1:03

Tgt Ion: 82	Resp:	142818
Ion Ratio	Lower	Upper
82	100	
128	46.0	34.6 52.0
54	62.2	50.6 76.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
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: BG038889.D

Acq: 29 Dec 2018 1:03

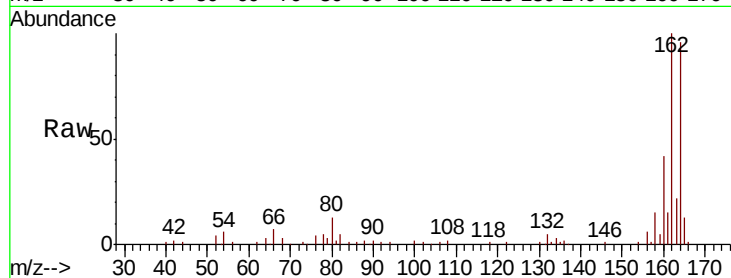
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 72360

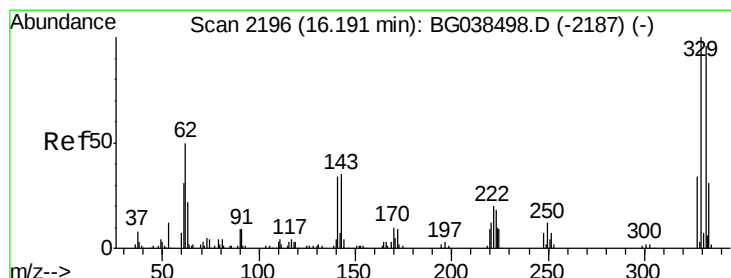
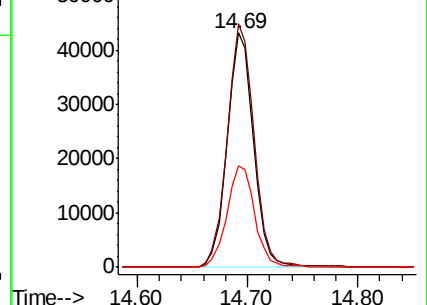
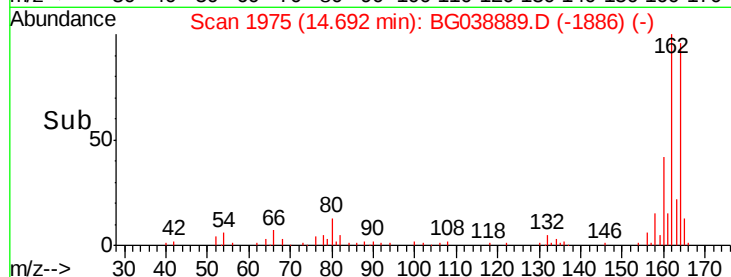
Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.6	130.0
160	43.5	34.2	51.2



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: 79.737 ng

RT: 16.19 min Scan# 2230

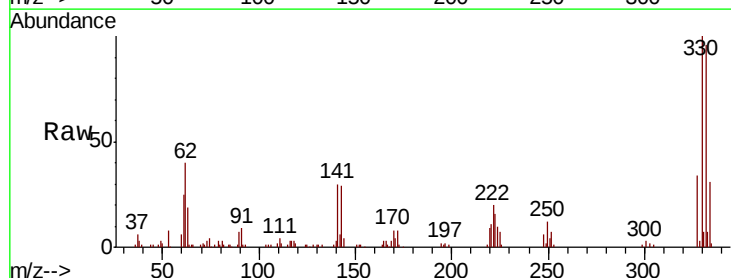
Delta R.T. -0.00 min

Lab File: BG038889.D

Acq: 29 Dec 2018 1:03

Tgt Ion:330 Resp: 79518

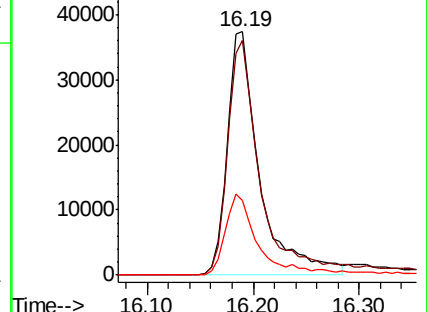
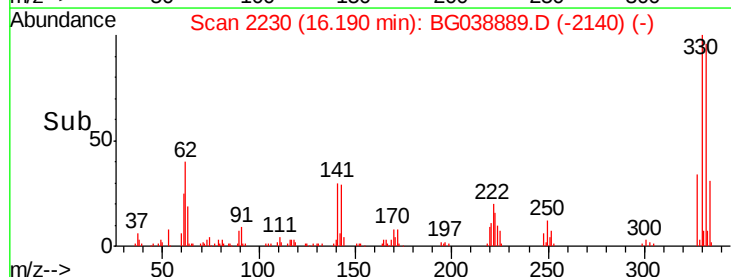
Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.9	115.3
141	34.5	28.8	43.2



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

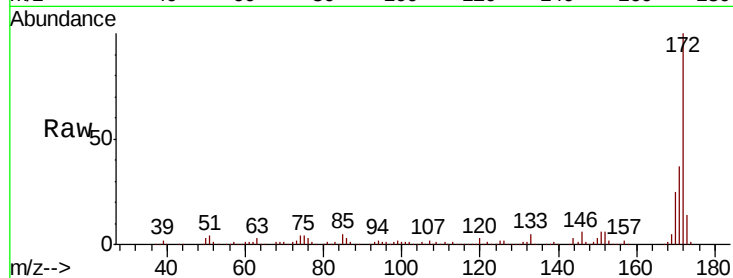




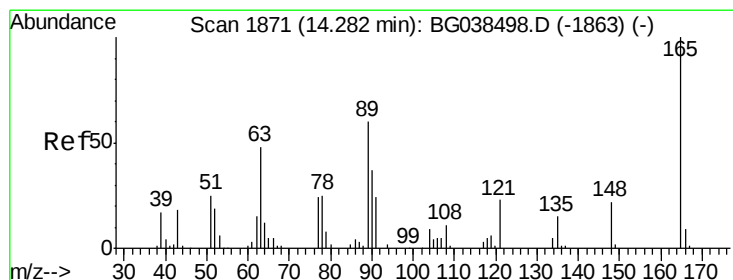
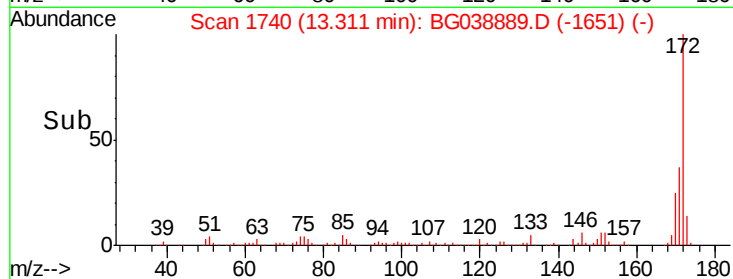
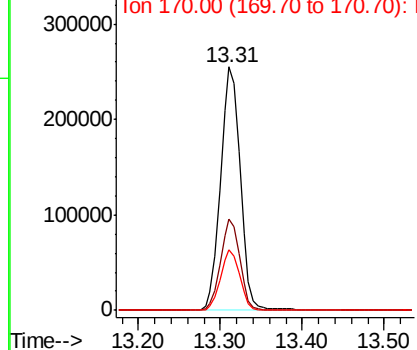
#45
 2-Fluorobiphenyl
 Concen: 81.383 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038889.D
 Acq: 29 Dec 2018 1:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 429267
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.8 44.6
 170 25.0 19.5 29.3

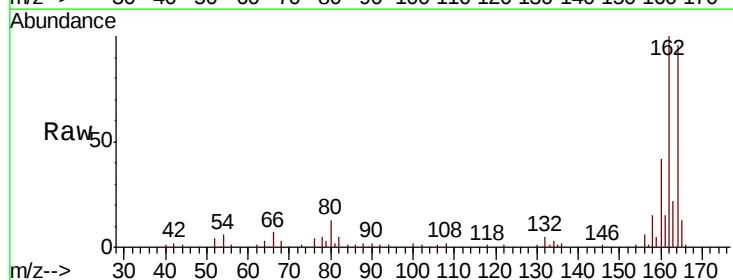


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

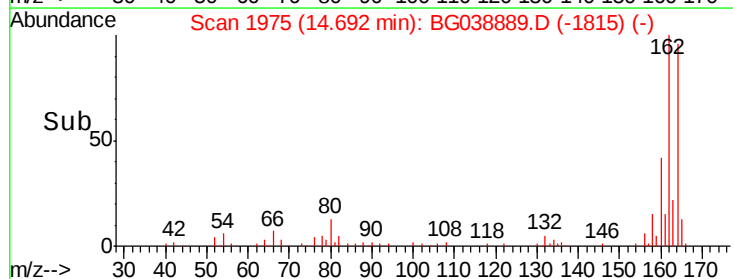
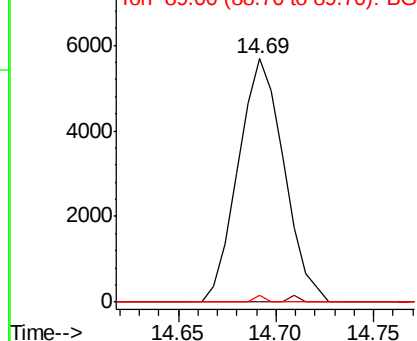


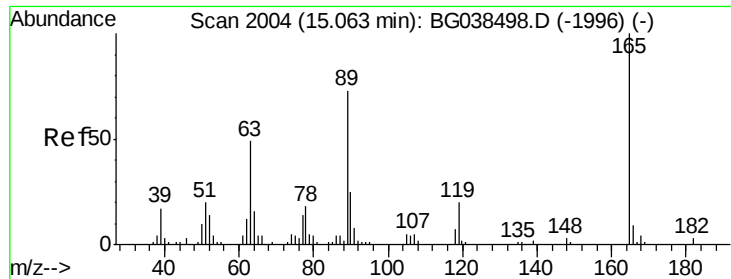
#51
 2,6-Dinitrotoluene
 Concen: 6.893 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038889.D
 Acq: 29 Dec 2018 1:03

Tgt Ion:165 Resp: 9230
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 2.9 47.9 71.9#



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

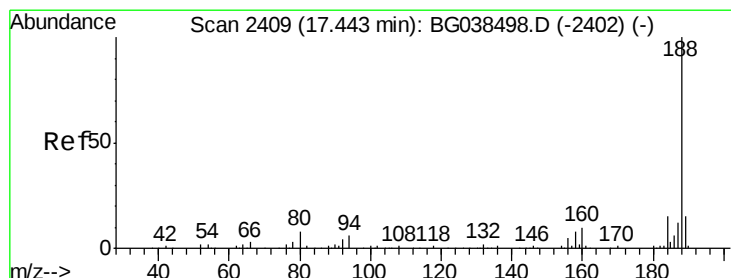
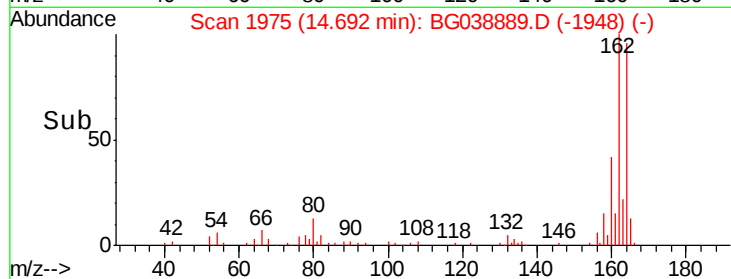
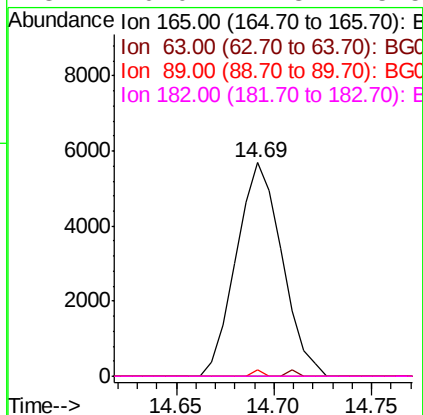
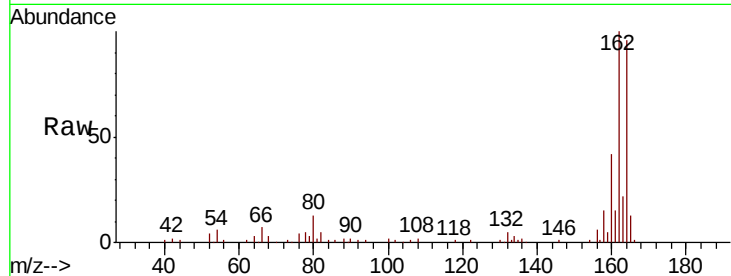




#57
 2,4-Dinitrotoluene
 Concen: 4.894 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038889.D
 Acq: 29 Dec 2018 1:03

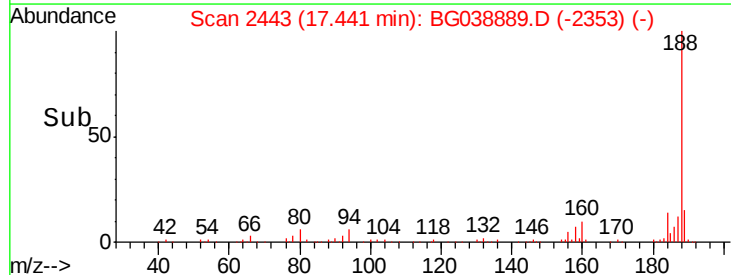
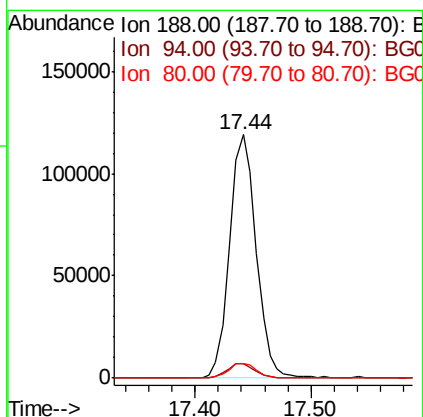
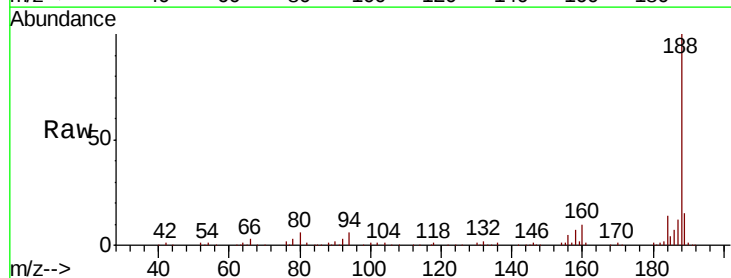
Instrument :
 BNA_G
 ClientSampleId :

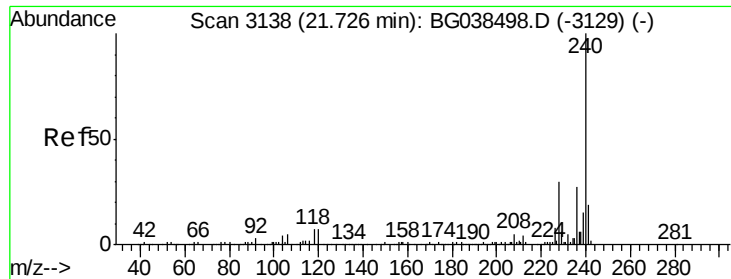
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	2.9	58.0	87.0#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038889.D
 Acq: 29 Dec 2018 1:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	5.1	7.7
80	6.1	6.1	9.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.72 min Scan# 3171

Delta R.T. -0.01 min

Lab File: BG038889.D

Acq: 29 Dec 2018 1:03

Instrument :

BNA_G

ClientSampled :

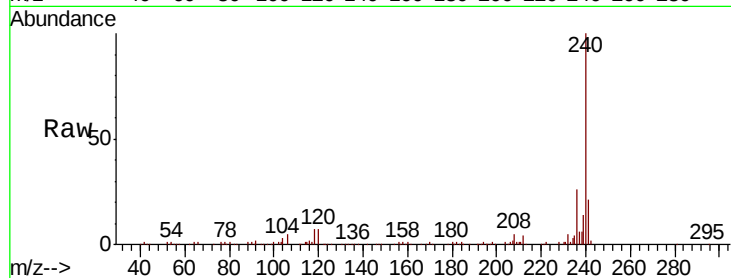
Tot Ion:240 Resp: 199887

Ion Ratio Lower Upper

240 100

120 6.7 5.3 7.9

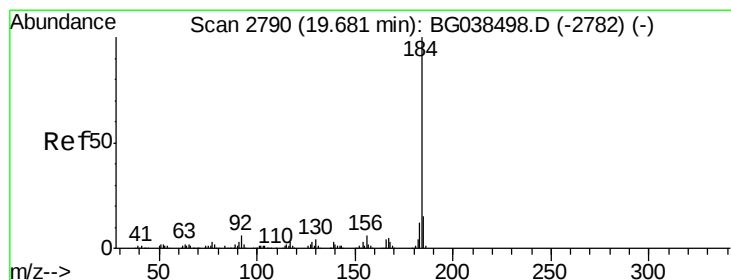
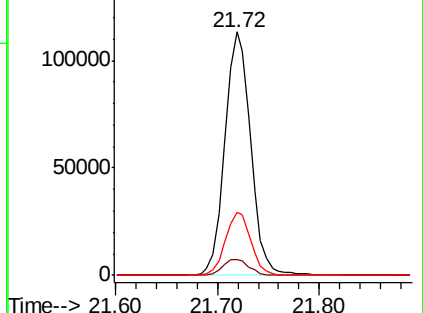
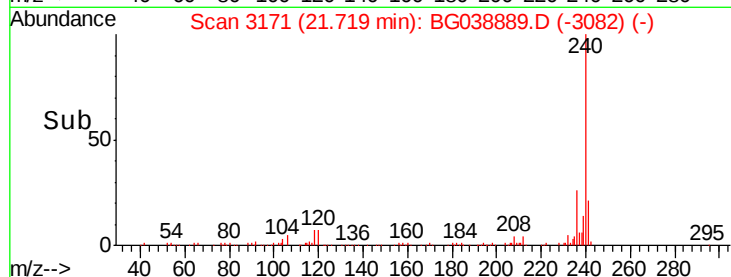
236 25.8 21.4 32.2



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: 2.373 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038889.D

Acq: 29 Dec 2018 1:03

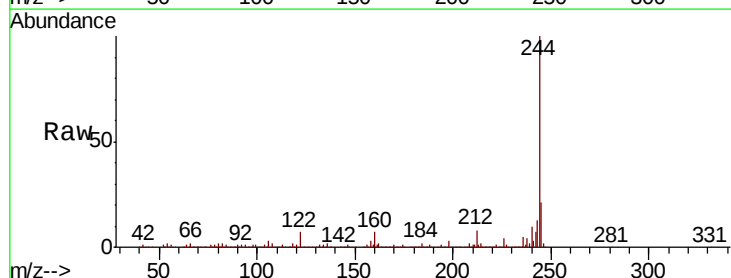
Tgt Ion:184 Resp: 14026

Ion Ratio Lower Upper

184 100

185 15.7 12.2 18.2

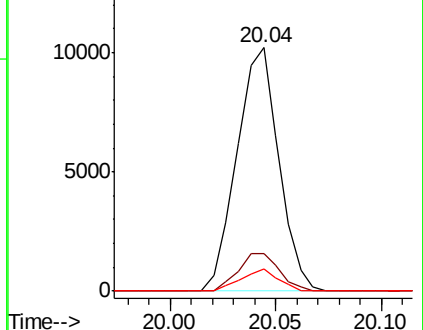
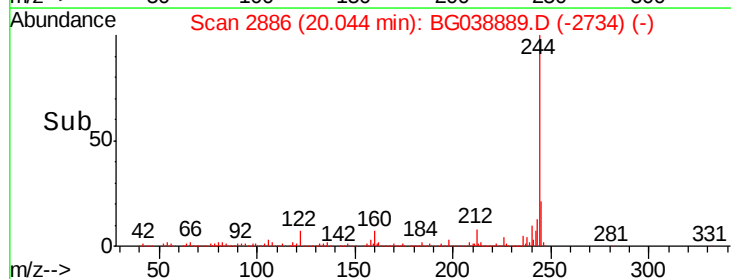
183 8.9 9.6 14.4#

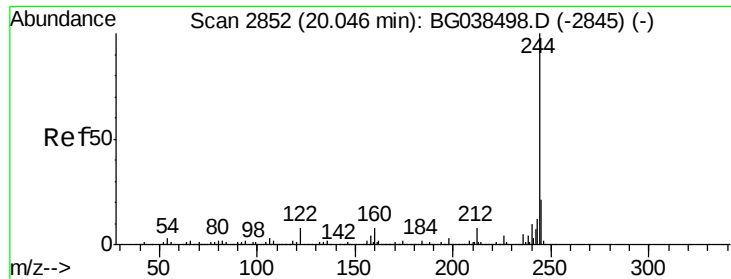


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 94.298 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038889.D

Acq: 29 Dec 2018 1:03

Instrument :

BNA_G

ClientSampleId :

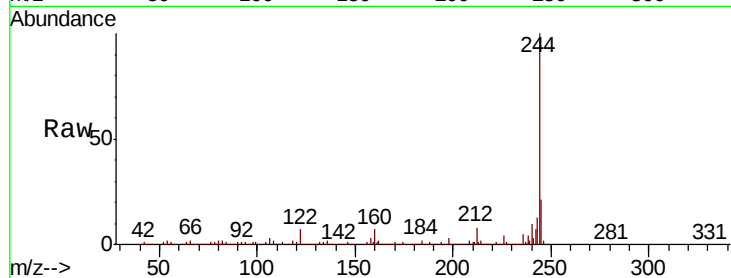
Tot Ion:244 Resp: 866088

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

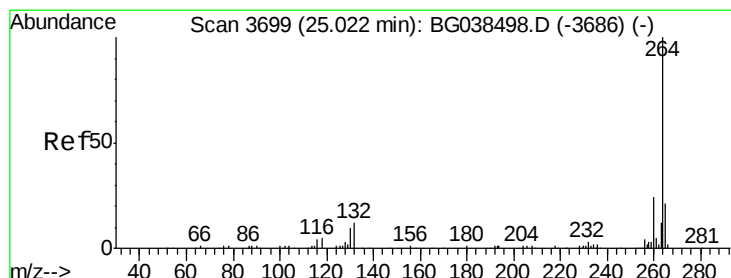
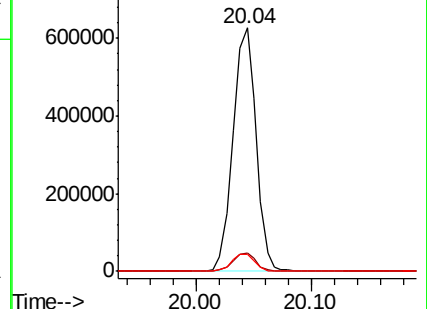
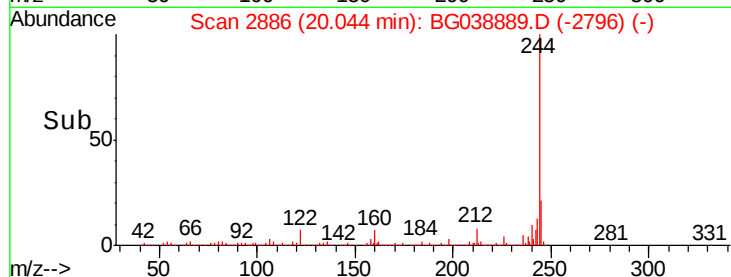
122 7.1 6.3 9.5



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# 3733

Delta R.T. -0.00 min

Lab File: BG038889.D

Acq: 29 Dec 2018 1:03

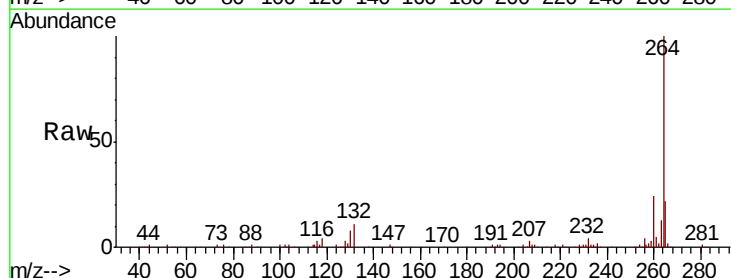
Tgt Ion:264 Resp: 210764

Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

265 22.0 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

