

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010319\
 Data File : BG038922.D
 Acq On : 4 Jan 2019 3:12
 Operator : JU/SJ
 Sample : PB116135BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 04:15:35 2019
 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

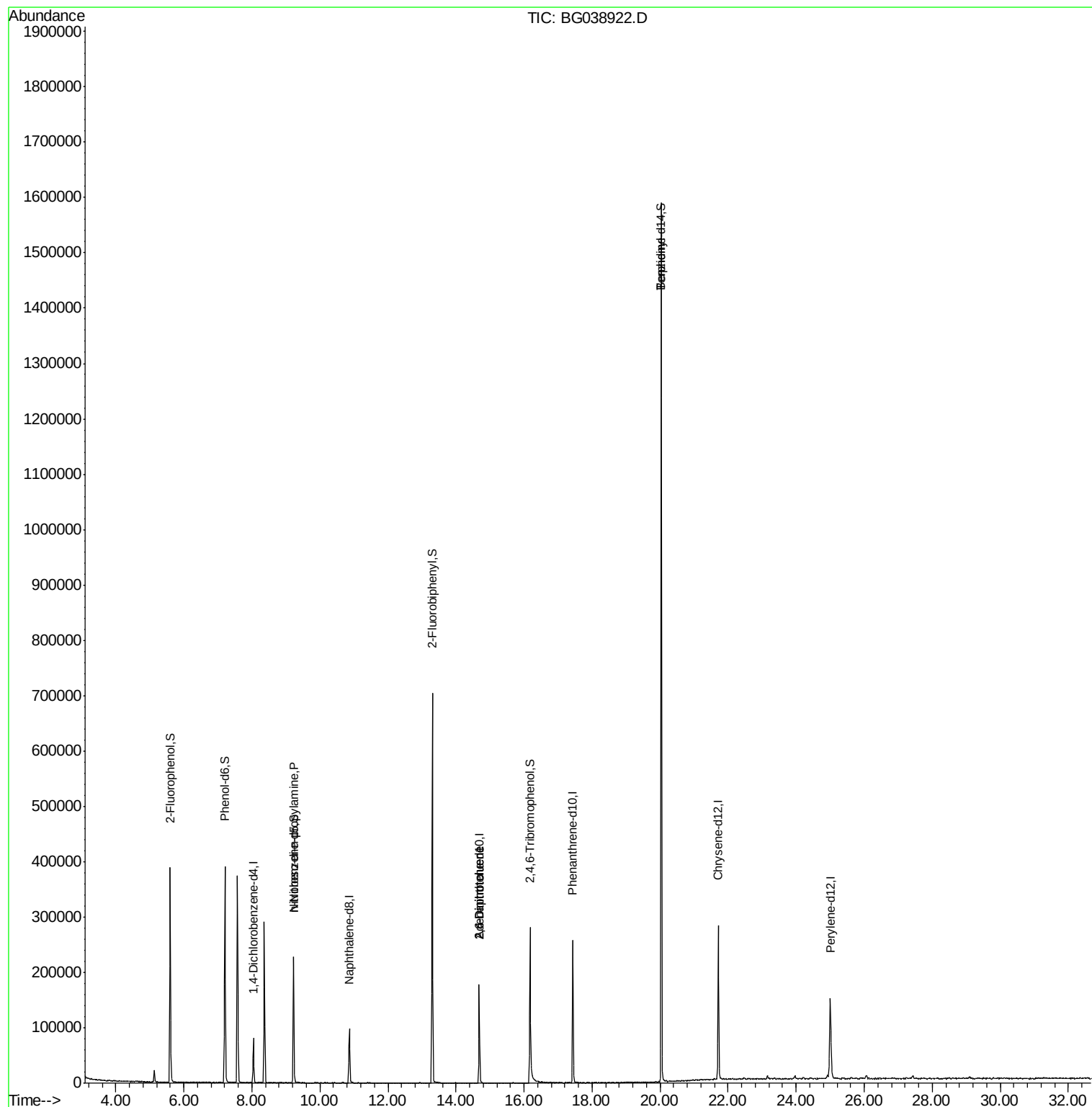
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	23808	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	92419	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	68519	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	187190	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	192528	20.00	ng	-0.02
87) Perylene-d12	25.00	264	195504	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	170865	127.29	ng	0.00
7) Phenol-d6	7.21	99	235493	127.80	ng	0.00
23) Nitrobenzene-d5	9.22	82	140392	77.61	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	73767	78.12	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	395872	79.26	ng	-0.02
79) Terphenyl-d14	20.04	244	818451	92.52	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	18249	14.100	ng	# 65
51) 2,6-Dinitrotoluene	14.68	165	8644	6.817	ng	# 19
57) 2,4-Dinitrotoluene	14.68	165	8644	4.840	ng	# 21
77) Benzidine	20.04	184	13008	2.285	ng	# 90

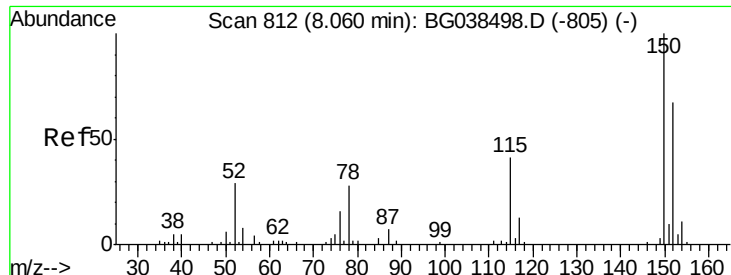
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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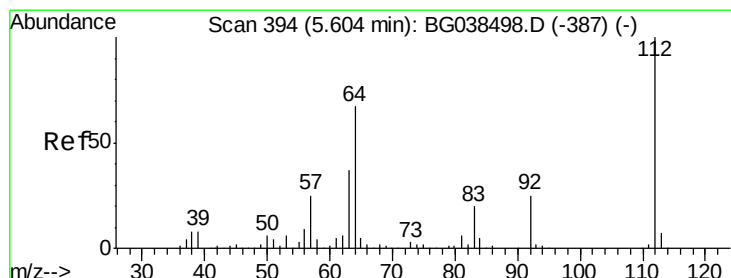
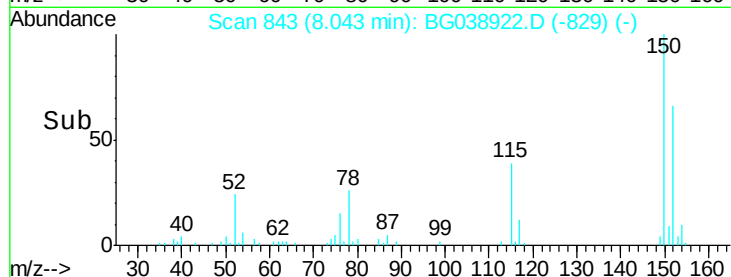
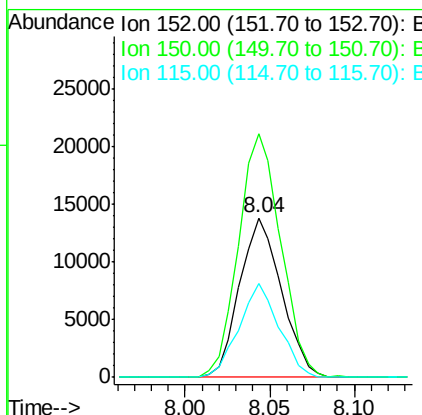
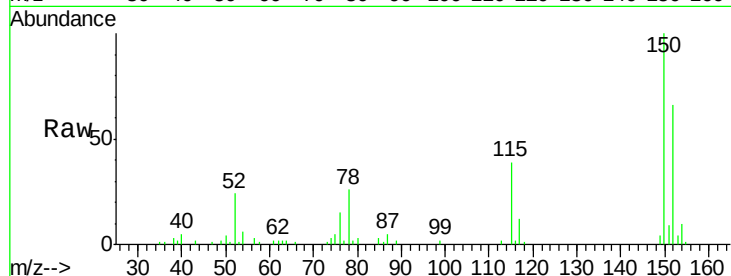


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.02 min
Lab File: BG038922.D
Acq: 4 Jan 2019 3:12

Instrument :
BNA_G
ClientSampleId :

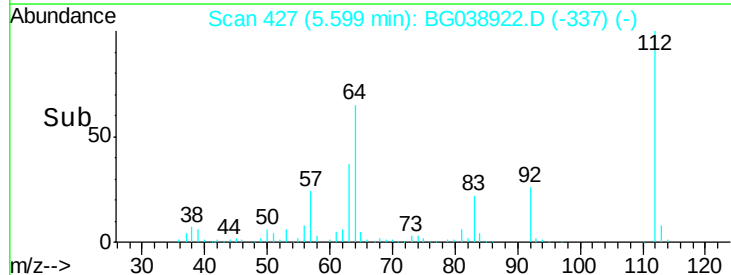
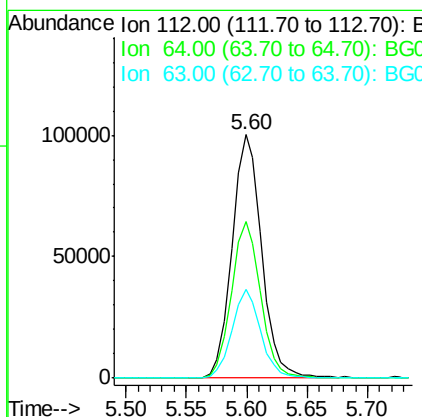
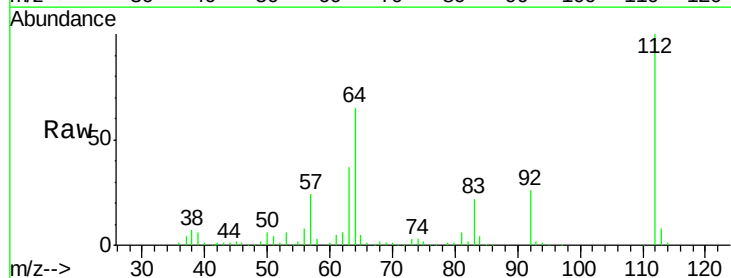
Tot Ion:152 Resp: 23808
Ion Ratio Lower Upper
152 100
150 152.6 119.5 179.3
115 58.8 49.6 74.4

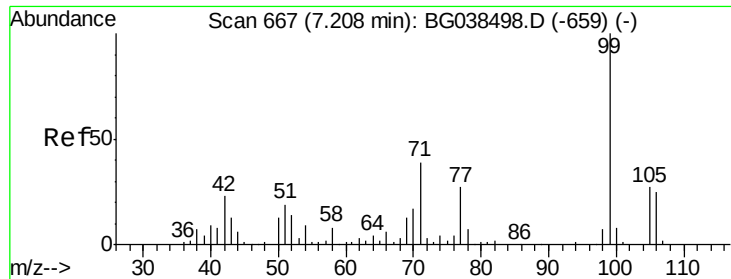


#5

2-Fluorophenol
Concen: 127.291 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.00 min
Lab File: BG038922.D
Acq: 4 Jan 2019 3:12

Tgt Ion:112 Resp: 170865
Ion Ratio Lower Upper
112 100
64 64.5 53.4 80.2
63 36.6 29.3 43.9





#7

Phenol-d6

Concen: 127.795 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG038922.D

Acq: 4 Jan 2019 3:12

Instrument :

BNA_G

ClientSampleId :

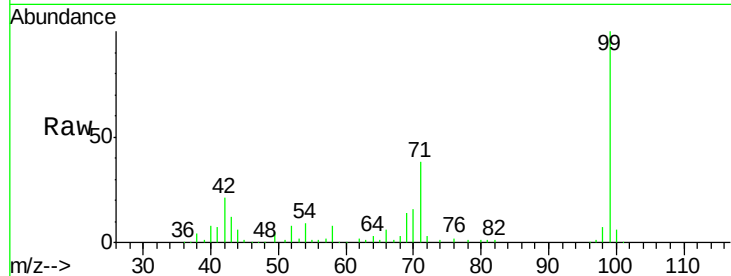
Tot Ion: 99 Resp: 235493

Ion Ratio Lower Upper

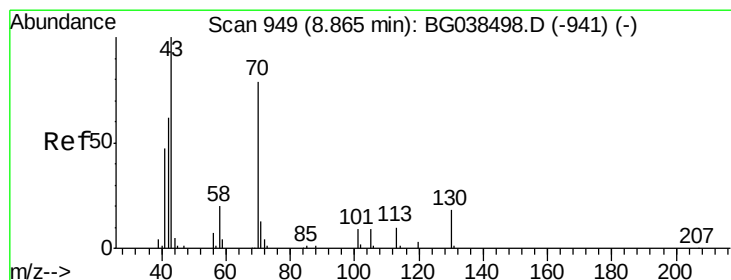
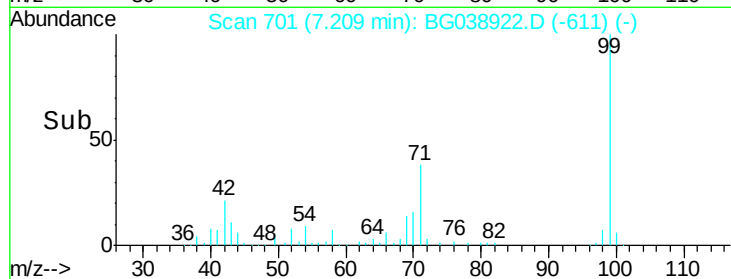
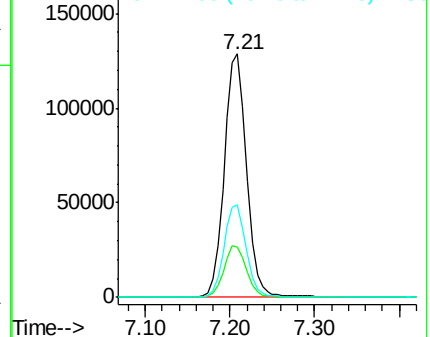
99 100

42 20.8 18.5 27.7

71 37.8 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: 14.100 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.36 min

Lab File: BG038922.D

Acq: 4 Jan 2019 3:12

Tgt Ion: 70 Resp: 18249

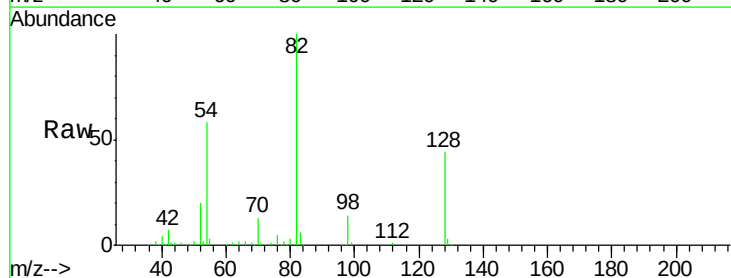
Ion Ratio Lower Upper

70 100

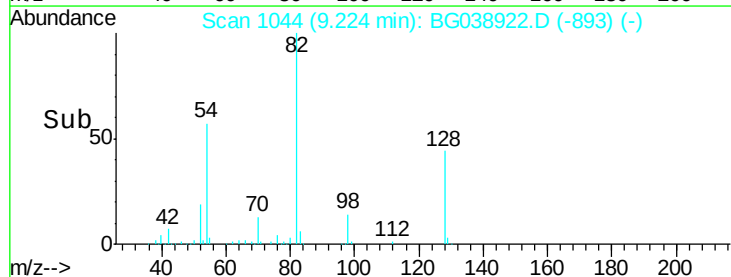
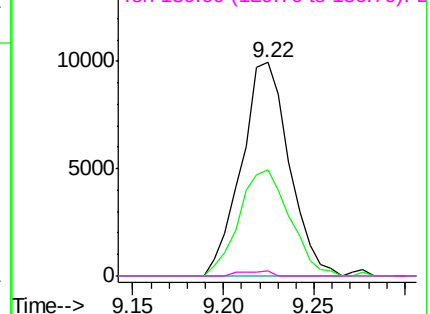
42 50.0 63.6 95.4#

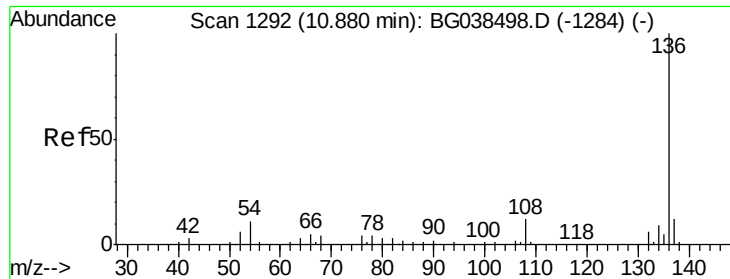
101 0.0 9.2 13.8#

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

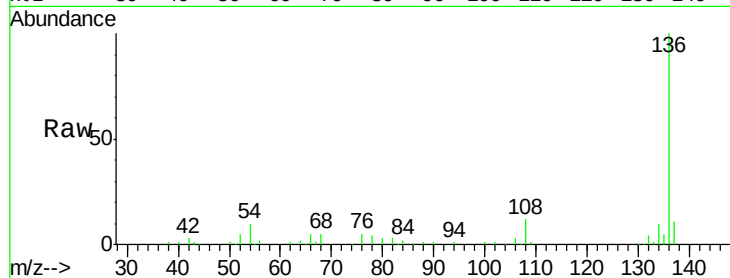




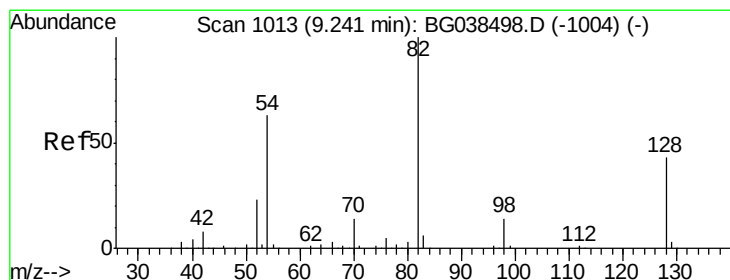
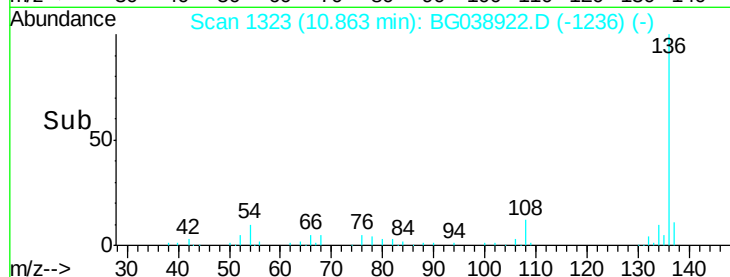
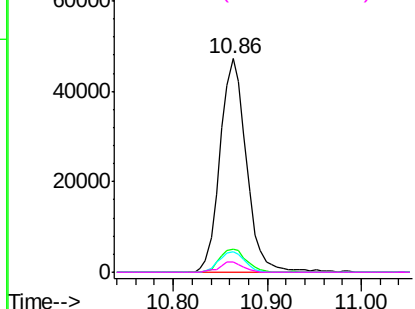
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038922.D
Acq: 4 Jan 2019 3:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	92419
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.3 13.9
54	9.8	8.5 12.7
68	4.5	3.5 5.3

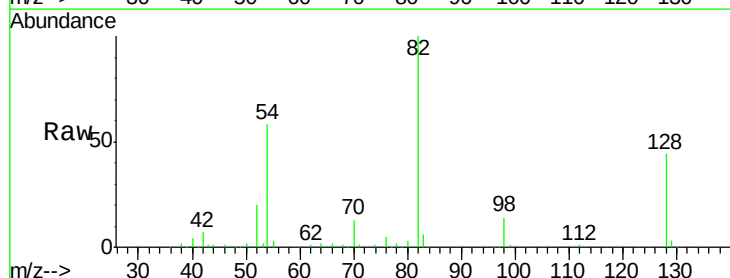


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

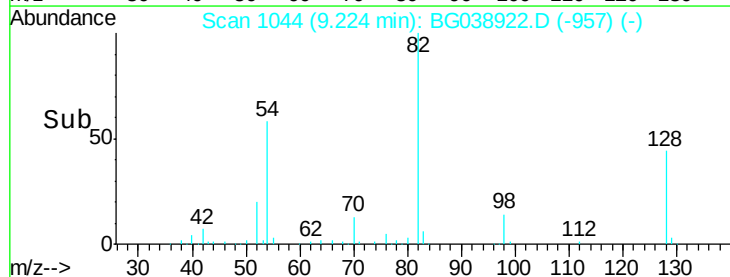
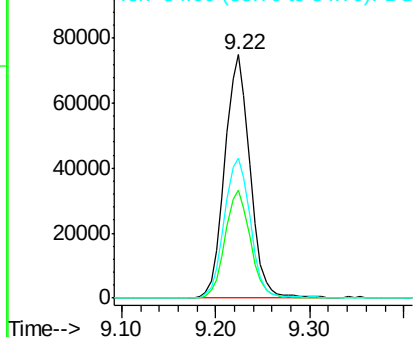


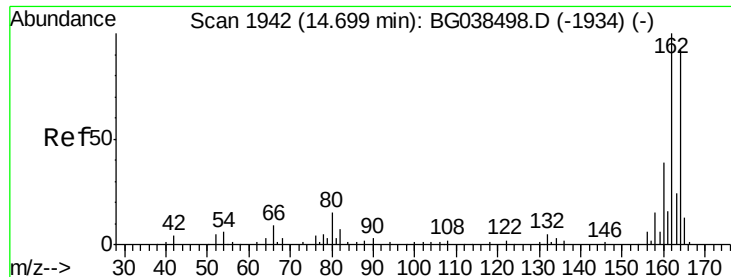
#23
Nitrobenzene-d5
Concen: 77.606 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038922.D
Acq: 4 Jan 2019 3:12

Tgt Ion: 82	Resp:	140392
Ion Ratio	Lower	Upper
82	100	
128	44.1	34.6 52.0
54	57.6	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: 14.68 min Scan# 1973

Delta R.T. -0.02 min

Lab File: BG038922.D

Acq: 4 Jan 2019 3:12

Instrument :

BNA_G

ClientSampleId :

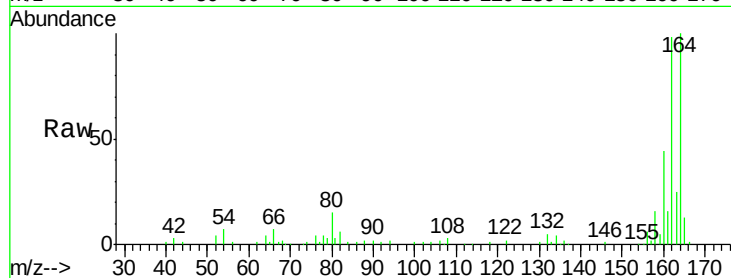
Tot Ion:164 Resp: 68519

Ion Ratio Lower Upper

164 100

162 98.3 86.6 130.0

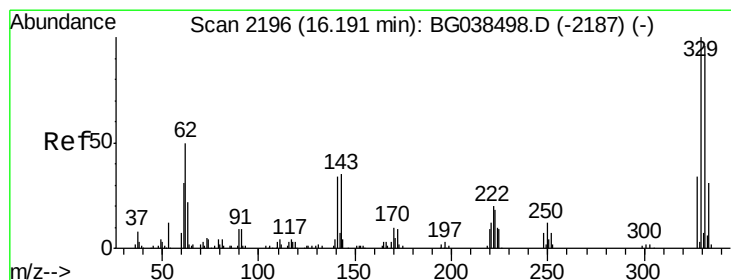
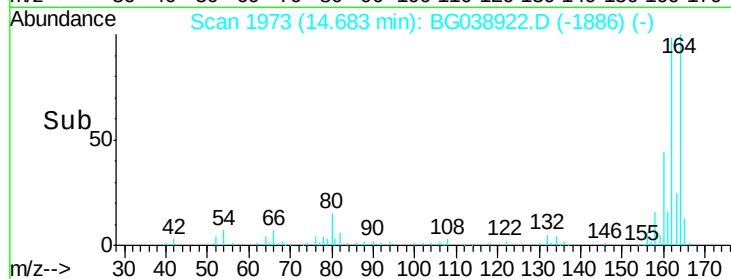
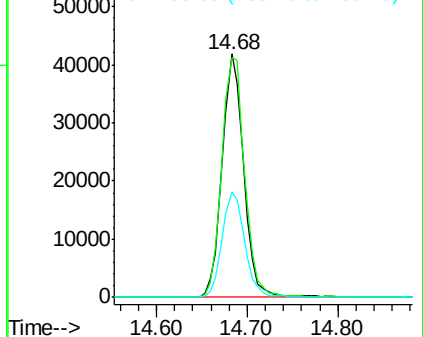
160 43.5 34.2 51.2



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: 78.117 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.02 min

Lab File: BG038922.D

Acq: 4 Jan 2019 3:12

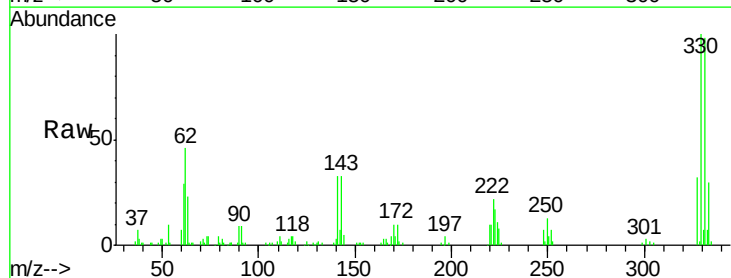
Tgt Ion:330 Resp: 73767

Ion Ratio Lower Upper

330 100

332 97.7 76.9 115.3

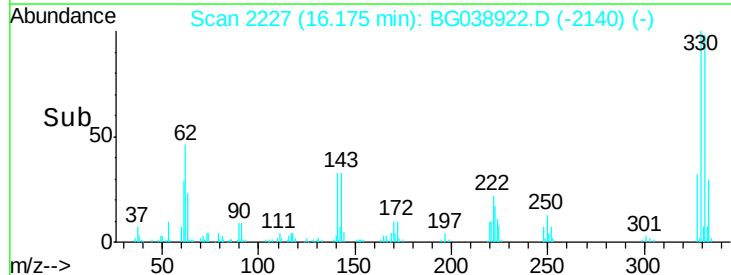
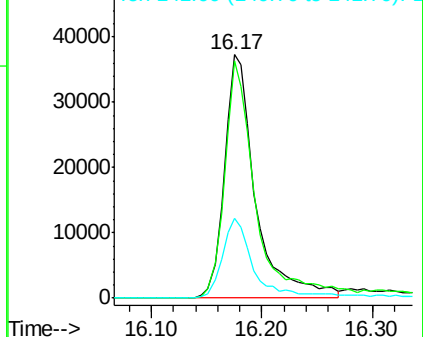
141 31.7 28.8 43.2

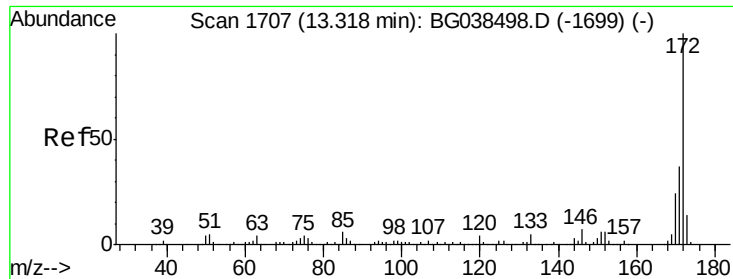


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

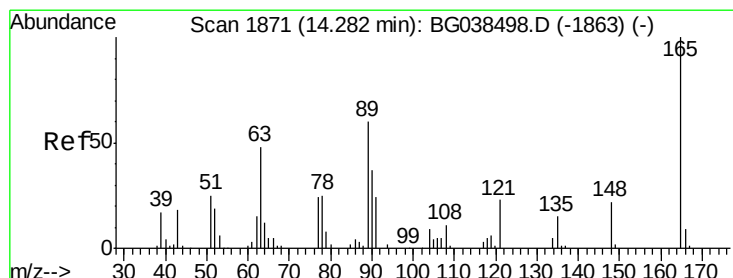
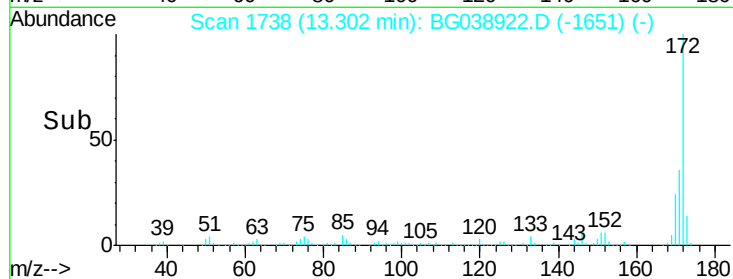
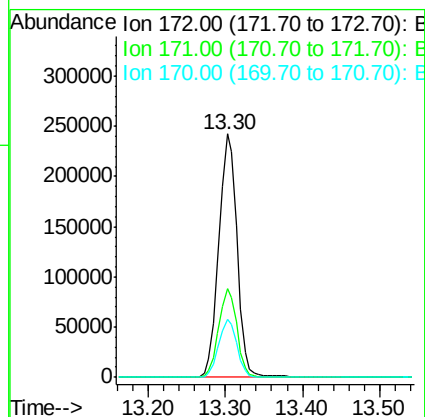
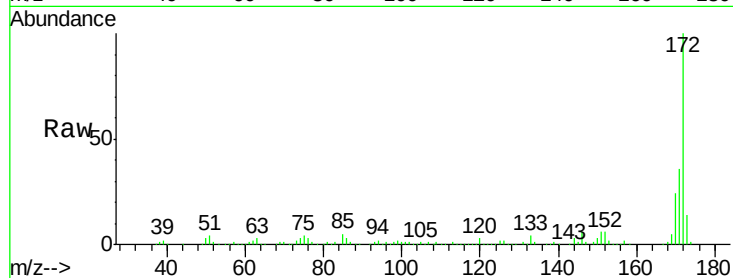




#45
 2-Fluorobiphenyl
 Concen: 79.259 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG038922.D
 Acq: 4 Jan 2019 3:12

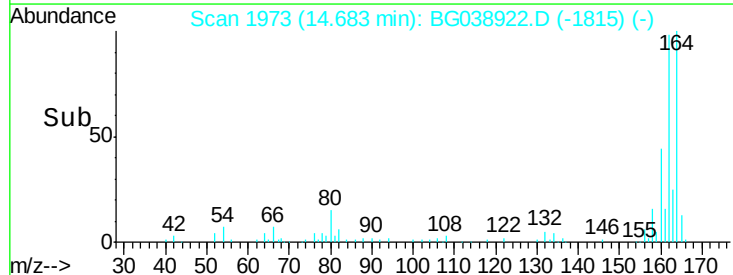
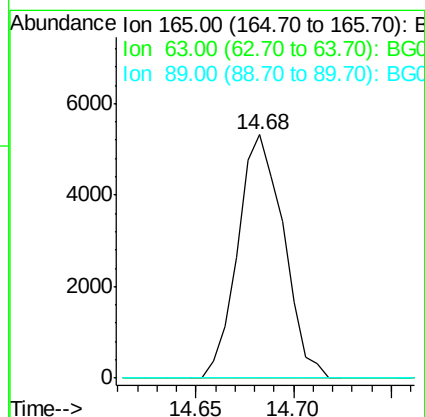
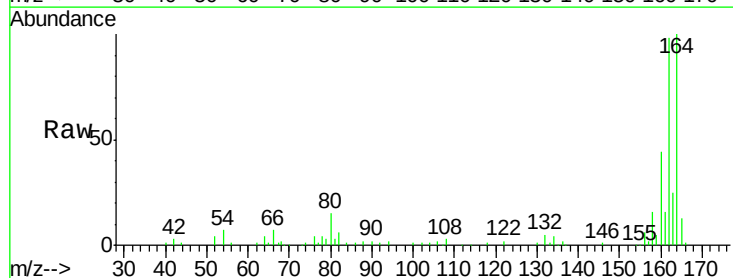
Instrument :
 BNA_G
 ClientSampleId :

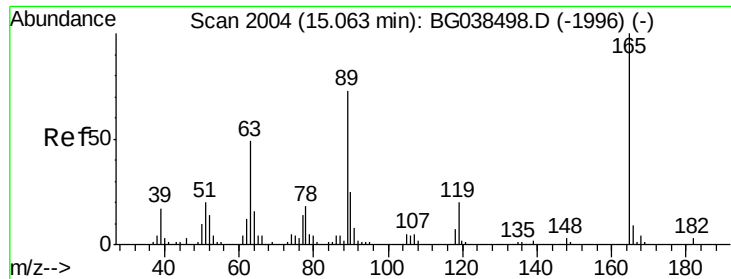
Tot Ion:172 Resp: 395872
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.8 44.6
 170 24.1 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 6.817 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.40 min
 Lab File: BG038922.D
 Acq: 4 Jan 2019 3:12

Tgt Ion:165 Resp: 8644
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#

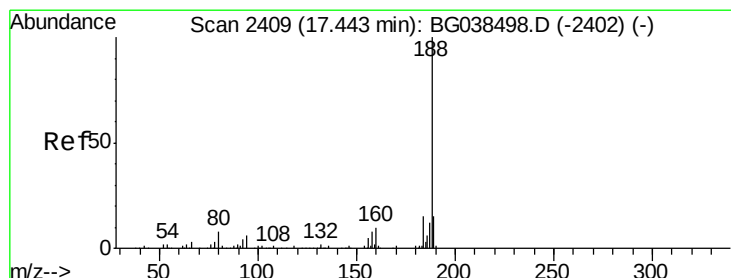
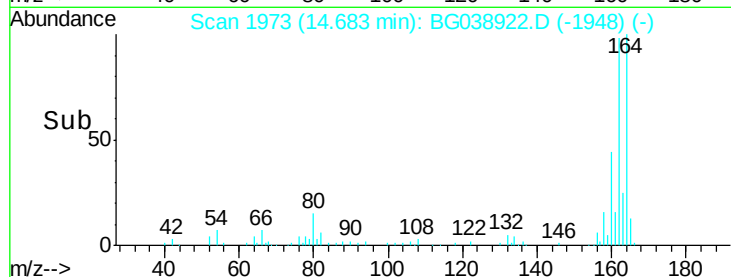
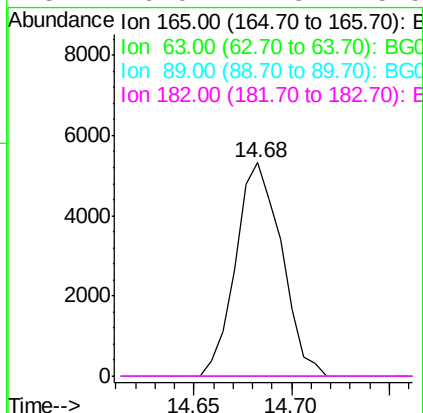
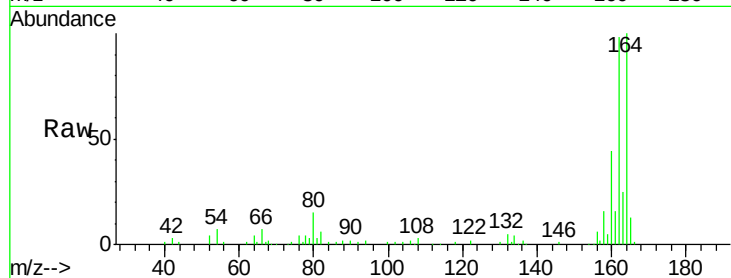




#57
 2,4-Dinitrotoluene
 Concen: 4.840 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.38 min
 Lab File: BG038922.D
 Acq: 4 Jan 2019 3:12

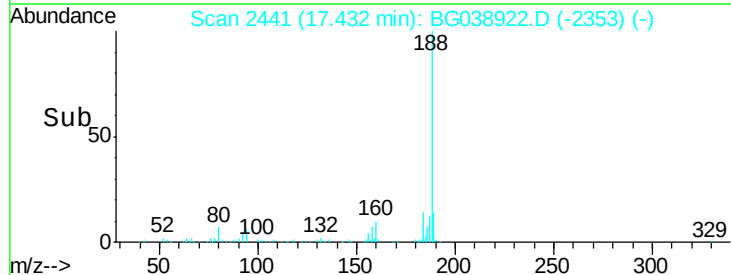
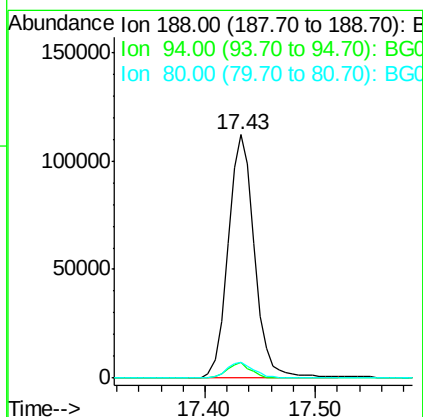
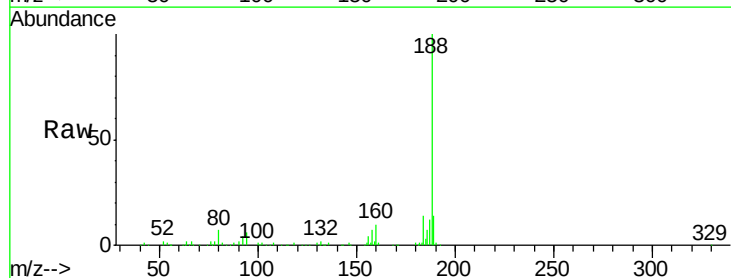
Instrument :
 BNA_G
 ClientSampleId :

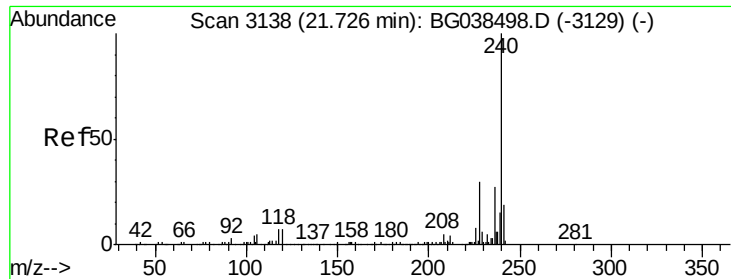
Tot Ion:165	Resp: 8644
Ion Ratio	Lower Upper
165 100	
63 0.0	39.0 58.4#
89 0.0	58.0 87.0#
182 0.0	2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG038922.D
 Acq: 4 Jan 2019 3:12

Tgt	Ion:188	Resp:	187190
Ion	Ratio	Lower	Upper
188	100		
94	6.4	5.1	7.7
80	6.5	6.1	9.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.71 min Scan# 3169

Delta R.T. -0.02 min

Lab File: BG038922.D

Acq: 4 Jan 2019 3:12

Instrument :

BNA_G

ClientSampled :

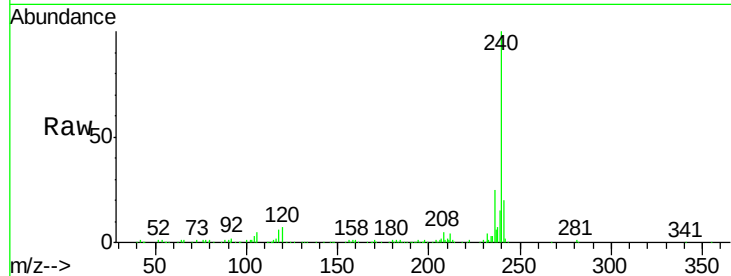
Tot Ion:240 Resp: 192528

Ion Ratio Lower Upper

240 100

120 7.0 5.3 7.9

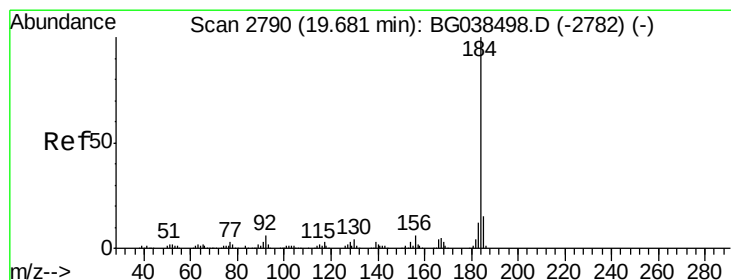
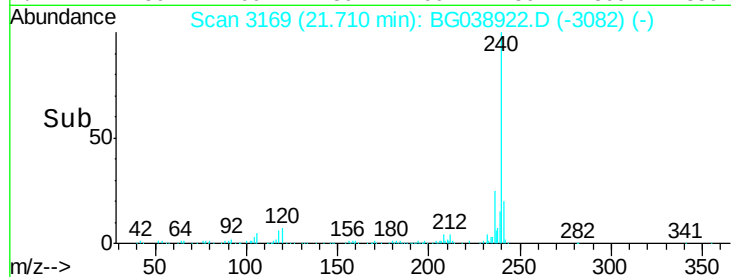
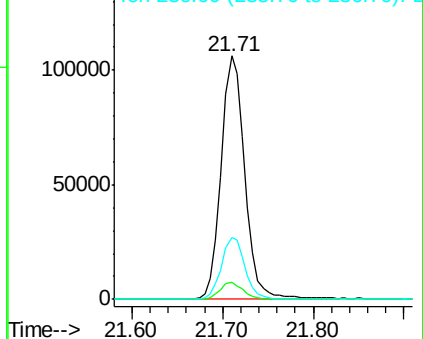
236 25.2 21.4 32.2



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: 2.285 ng

RT: 20.04 min Scan# 2884

Delta R.T. 0.35 min

Lab File: BG038922.D

Acq: 4 Jan 2019 3:12

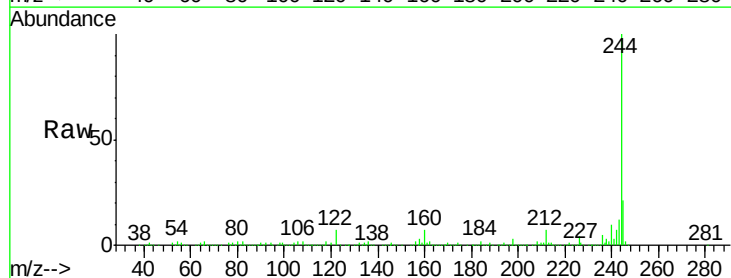
Tgt Ion:184 Resp: 13008

Ion Ratio Lower Upper

184 100

185 20.1 12.2 18.2#

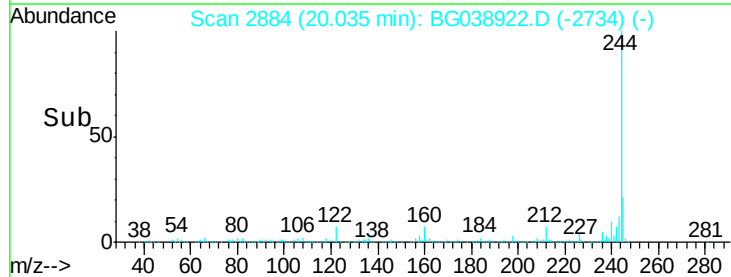
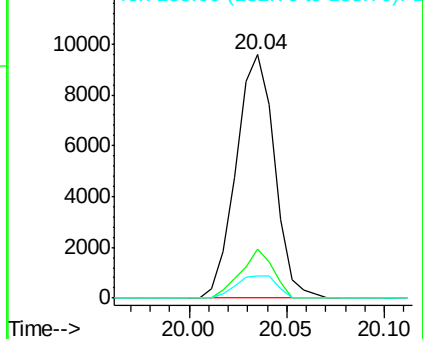
183 8.9 9.6 14.4#

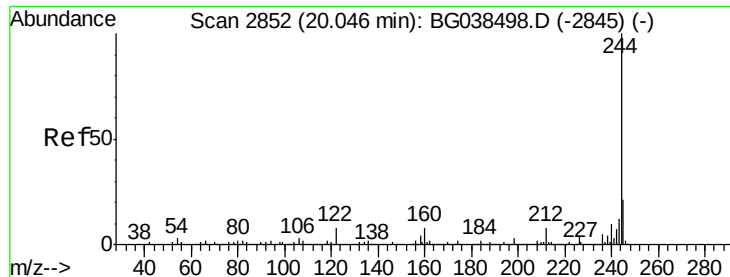


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 92.518 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038922.D

Acq: 4 Jan 2019 3:12

Instrument :

BNA_G

ClientSampleId :

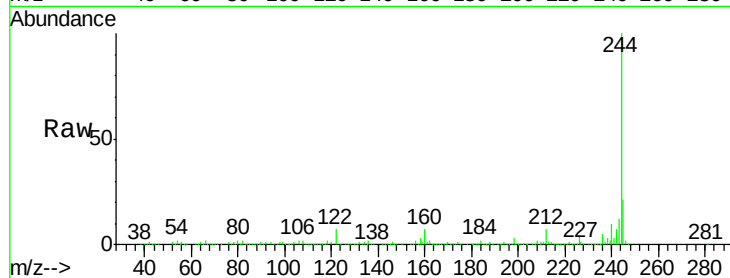
Tot Ion:244 Resp: 818451

Ion Ratio Lower Upper

244 100

212 7.4 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

800000

600000

400000

200000

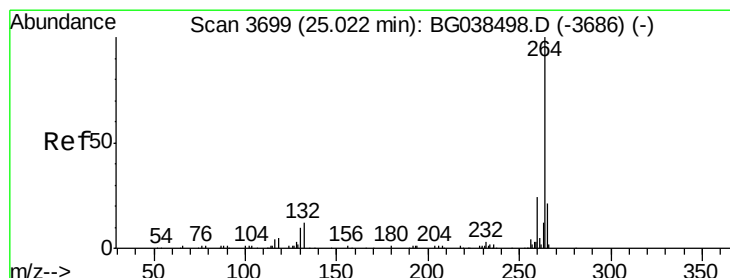
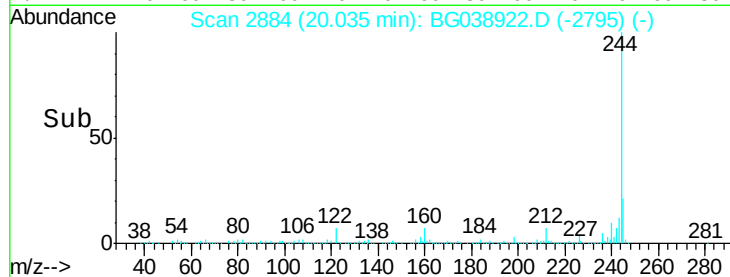
0

20.04

20.10

20.20

Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.00 min Scan# 3729

Delta R.T. -0.02 min

Lab File: BG038922.D

Acq: 4 Jan 2019 3:12

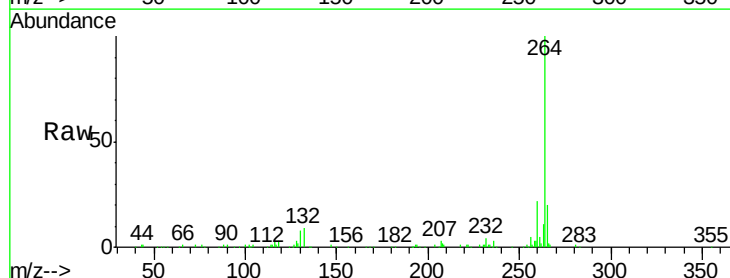
Tgt Ion:264 Resp: 195504

Ion Ratio Lower Upper

264 100

260 22.1 18.9 28.3

265 20.0 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

80000

60000

40000

20000

0

25.00

24.90

25.10

Time-->

