

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010419\
 Data File : BG038942.D
 Acq On : 4 Jan 2019 23:04
 Operator : JU/SJ
 Sample : K1029-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 05 01:00:08 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

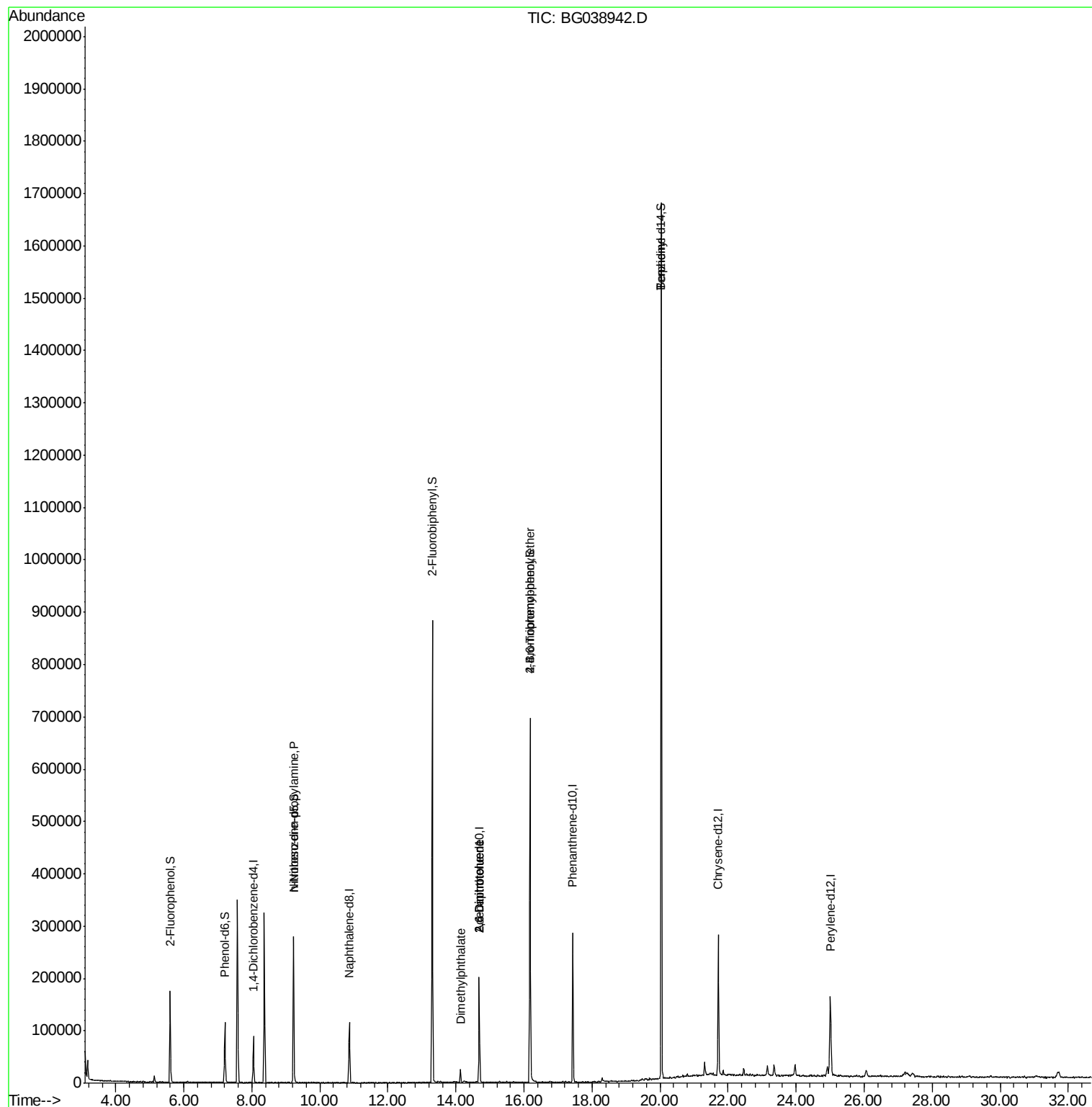
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	25110	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	104503	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	75240	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	187027	20.00	ng	0.00
76) Chrysene-d12	21.71	240	180315	20.00	ng	-0.02
87) Perylene-d12	25.01	264	191323	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	80696	57.00	ng	0.00
7) Phenol-d6	7.20	99	67575	34.77	ng	0.00
23) Nitrobenzene-d5	9.22	82	168984	82.61	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	159805	154.11	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	473717	86.37	ng	-0.02
79) Terphenyl-d14	20.04	244	858165	103.58	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	22339	16.365	ng	# 66
50) Dimethylphthalate	14.13	163	20226	3.292	ng	# 98
51) 2,6-Dinitrotoluene	14.68	165	9822	7.054	ng	# 21
57) 2,4-Dinitrotoluene	14.68	165	9822	5.008	ng	# 23
67) 4-Bromophenyl-phenylether	16.18	248	10333	4.524	ng	# 1
77) Benzidine	20.04	184	13971	2.620	ng	# 94

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

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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



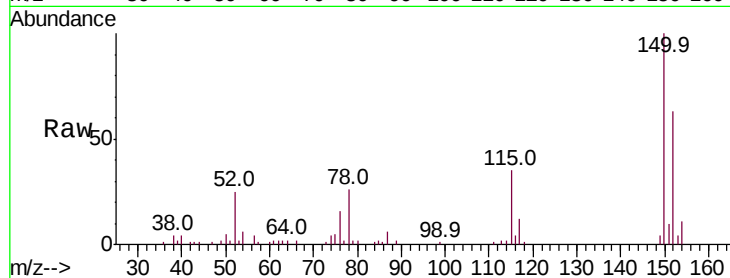


#1

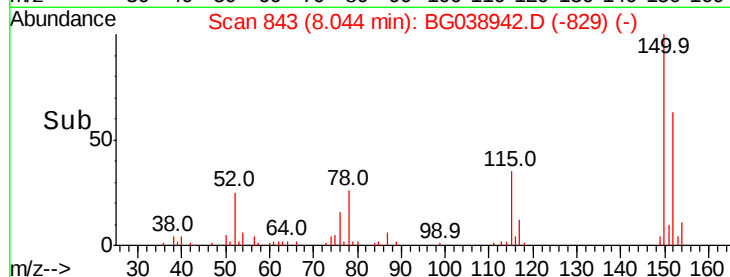
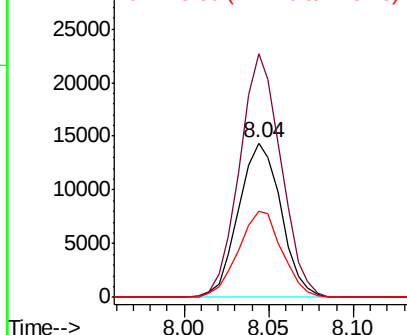
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.02 min
Lab File: BG038942.D
Acq: 4 Jan 2019 23:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 25110
Ion Ratio Lower Upper
152 100
150 157.8 119.5 179.3
115 55.6 49.6 74.4



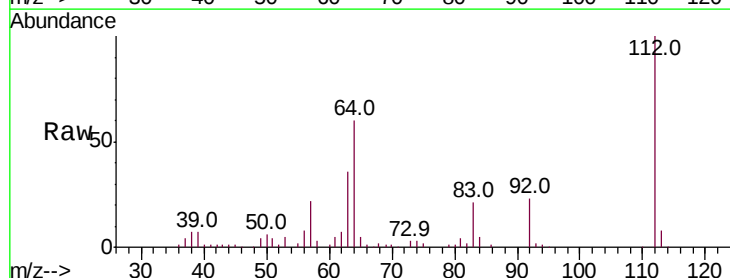
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



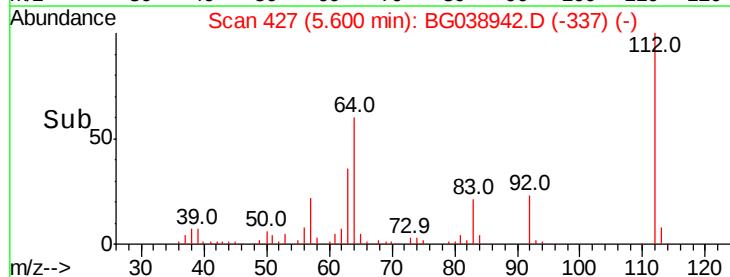
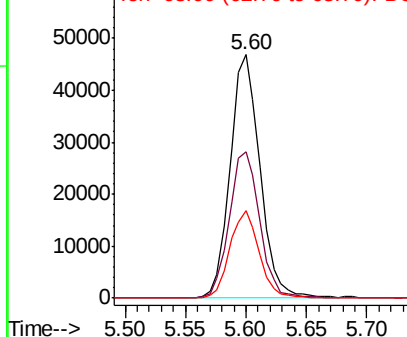
#5

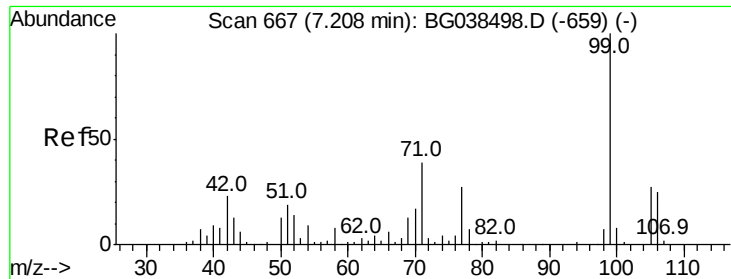
2-Fluorophenol
Concen: 57.000 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.00 min
Lab File: BG038942.D
Acq: 4 Jan 2019 23:04

Tgt Ion:112 Resp: 80696
Ion Ratio Lower Upper
112 100
64 60.3 53.4 80.2
63 35.9 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: 34.769 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG038942.D

Acq: 4 Jan 2019 23:04

Instrument :

BNA_G

ClientSampled :

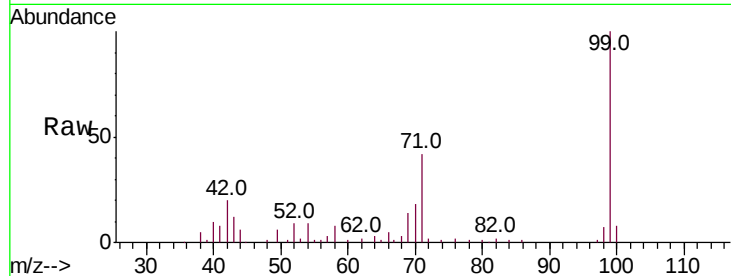
Tot Ion: 99 Resp: 67575

Ion Ratio Lower Upper

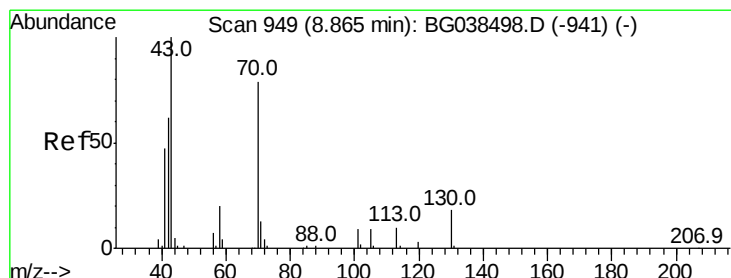
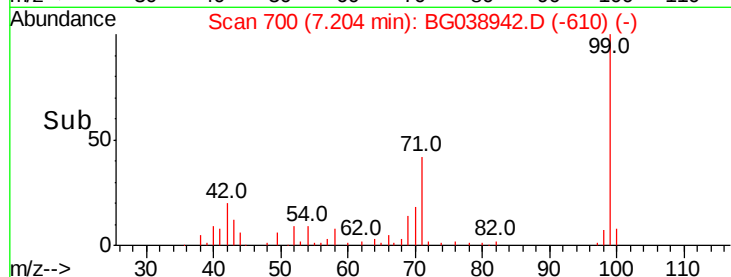
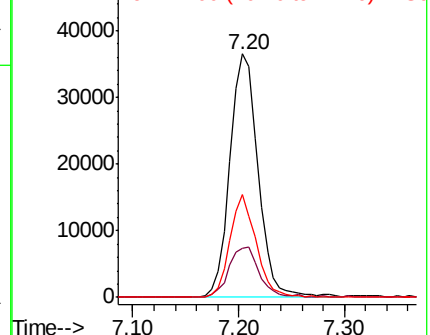
99 100

42 20.4 18.5 27.7

71 42.3 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: 16.365 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.35 min

Lab File: BG038942.D

Acq: 4 Jan 2019 23:04

Tgt Ion: 70 Resp: 22339

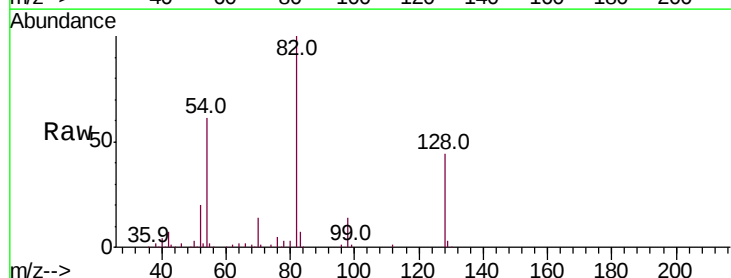
Ion Ratio Lower Upper

70 100

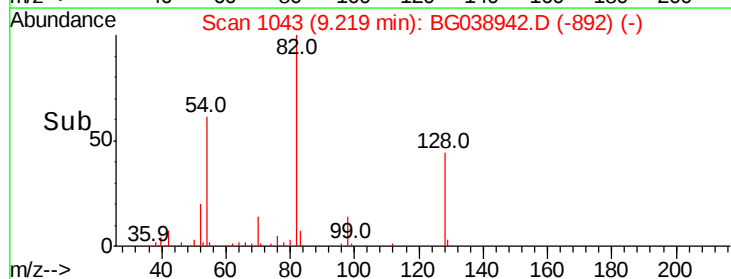
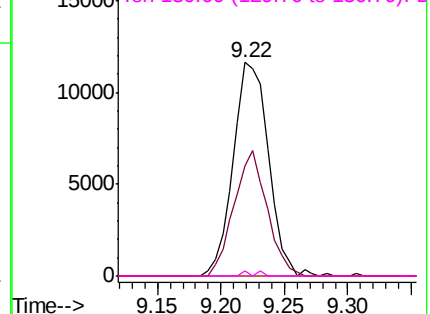
42 51.5 63.6 95.4#

101 0.0 9.2 13.8#

130 2.3 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

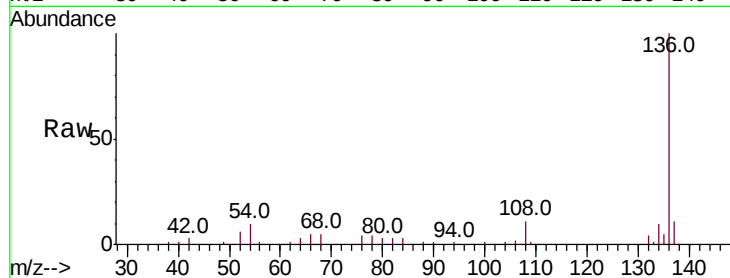




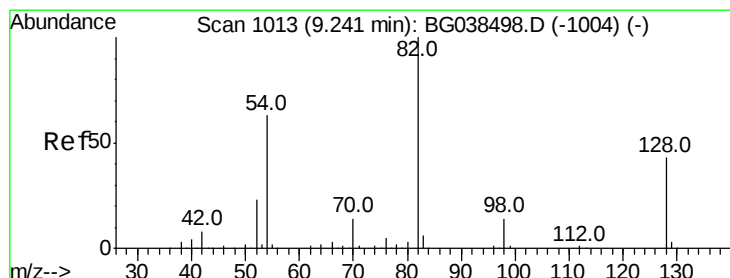
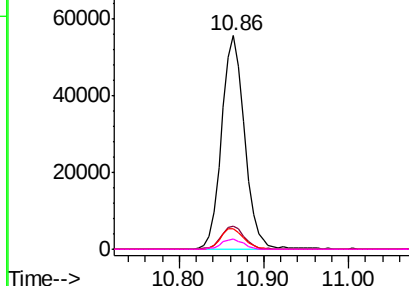
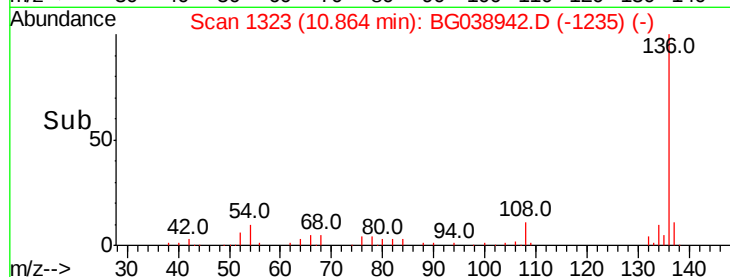
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038942.D
Acq: 4 Jan 2019 23:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	104503
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.3	13.9
54	9.8	8.5	12.7
68	4.9	3.5	5.3

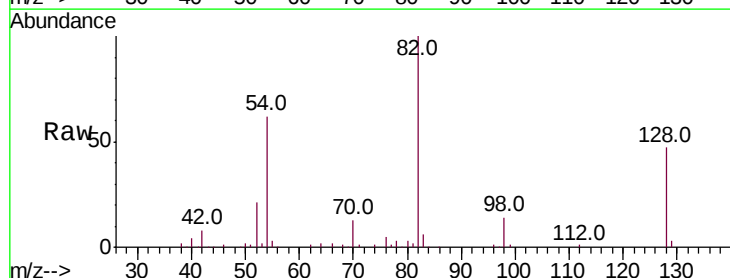


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

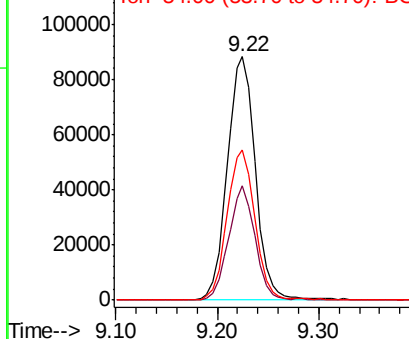
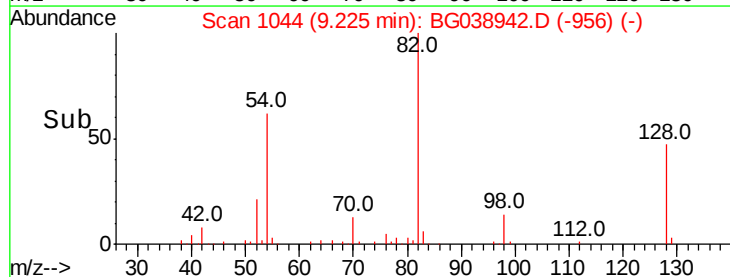


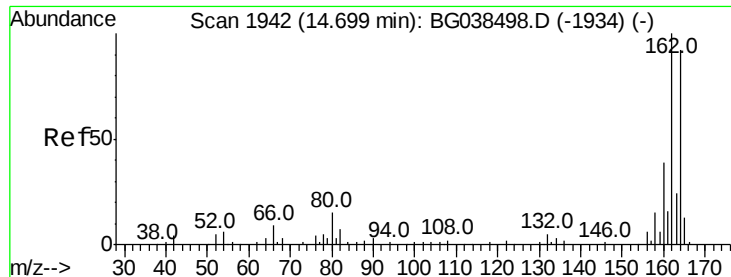
#23
Nitrobenzene-d5
Concen: 82.609 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038942.D
Acq: 4 Jan 2019 23:04

Tgt Ion:	82	Resp:	168984
Ion	Ratio	Lower	Upper
82	100		
128	47.0	34.6	52.0
54	61.9	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: BG038942.D

Acq: 4 Jan 2019 23:04

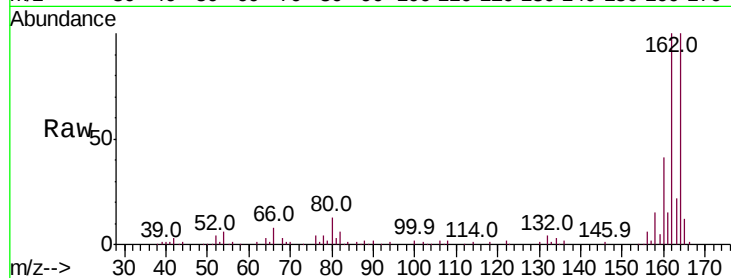
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 75240

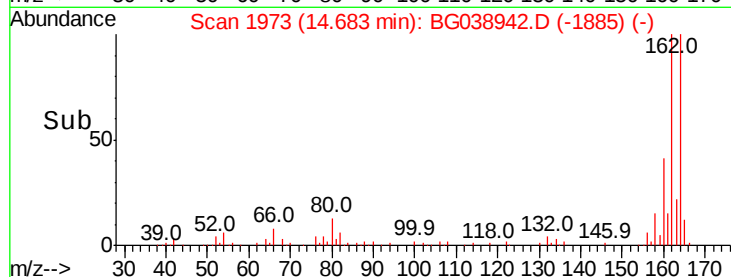
Ion	Ratio	Lower	Upper
164	100		
162	100.4	86.6	130.0
160	40.7	34.2	51.2



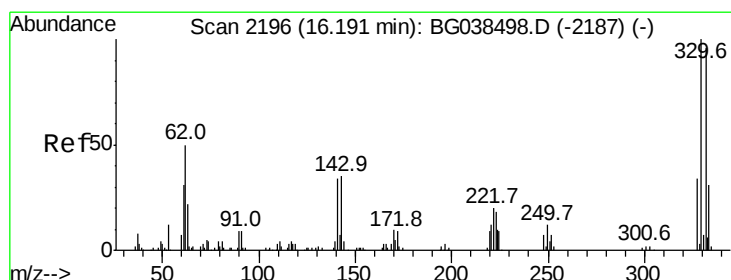
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->



#42

2,4,6-Tribromophenol

Concen: 154.112 ng

RT: 16.18 min Scan# 2227

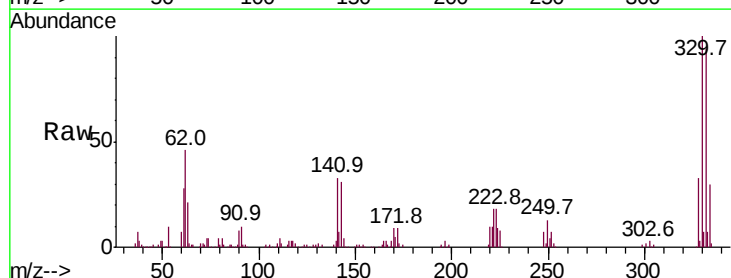
Delta R.T. -0.02 min

Lab File: BG038942.D

Acq: 4 Jan 2019 23:04

Tgt Ion:330 Resp: 159805

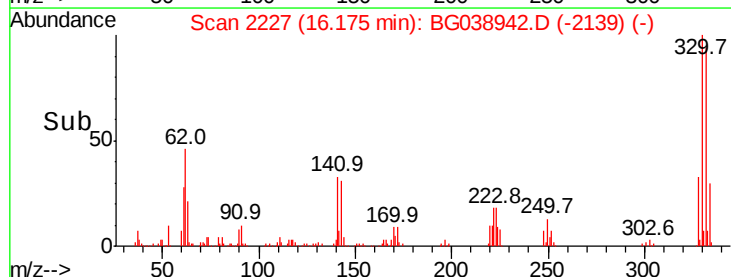
Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.9	115.3
141	32.4	28.8	43.2



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



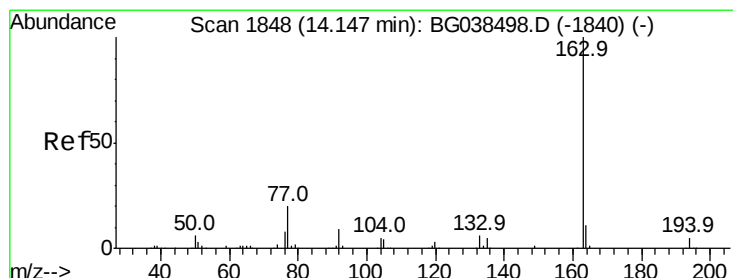
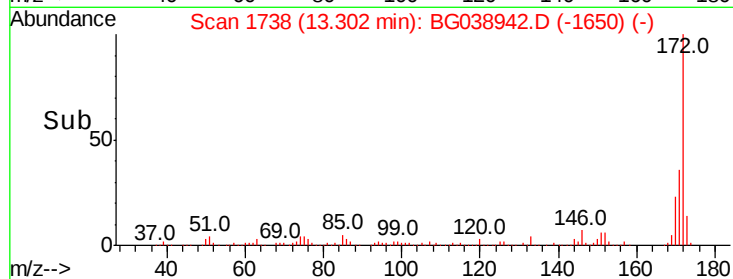
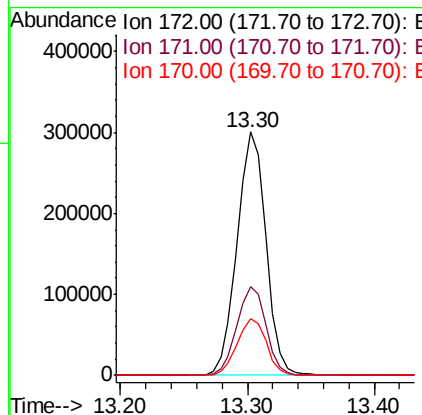
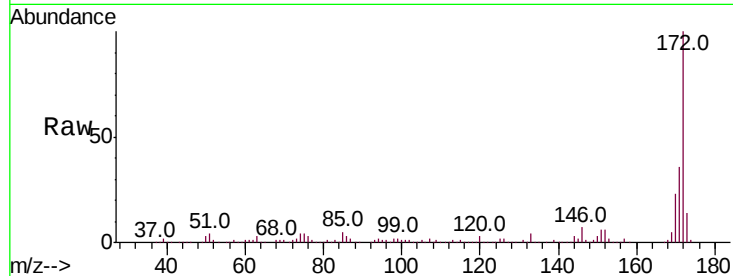
Time-->



#45
 2-Fluorobiphenyl
 Concen: 86.373 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG038942.D
 Acq: 4 Jan 2019 23:04

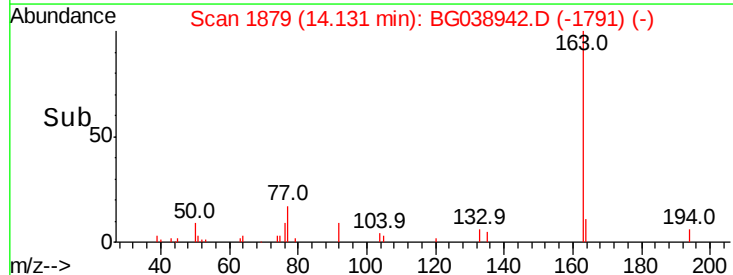
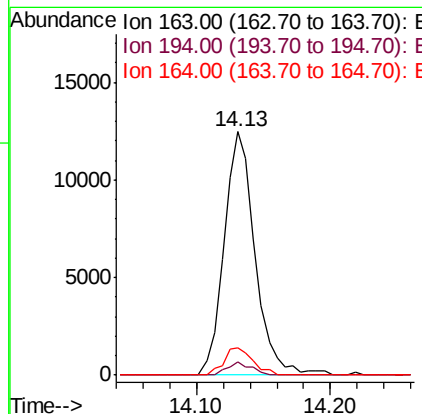
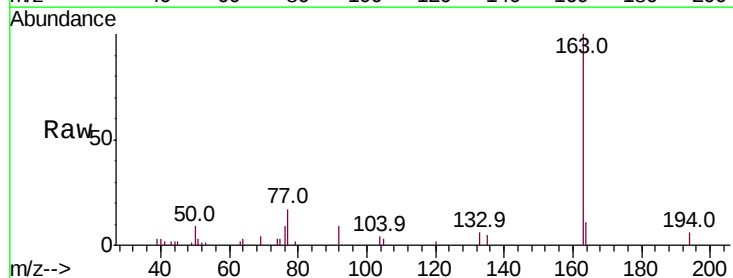
Instrument :
 BNA_G
 ClientSampleId :

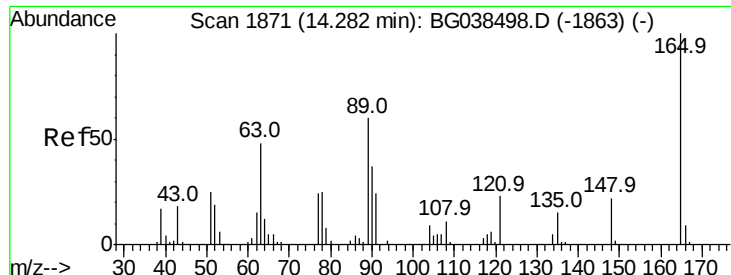
Tot Ion:172 Resp: 473717
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.8 44.6
 170 23.4 19.5 29.3



#50
 Dimethylphthalate
 Concen: 3.292 ng
 RT: 14.13 min Scan# 1879
 Delta R.T. -0.02 min
 Lab File: BG038942.D
 Acq: 4 Jan 2019 23:04

Tgt Ion:163 Resp: 20226
 Ion Ratio Lower Upper
 163 100
 194 5.6 3.7 5.5#
 164 11.0 8.6 12.8

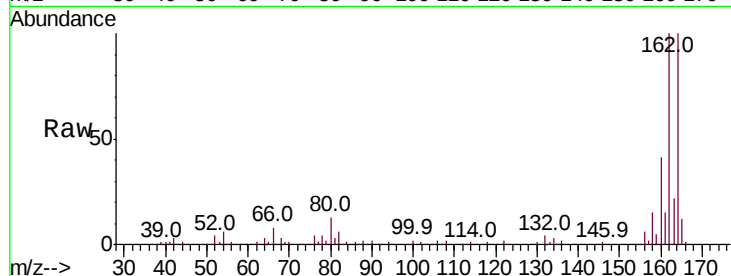




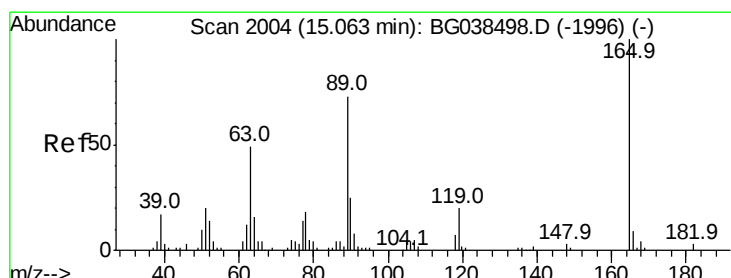
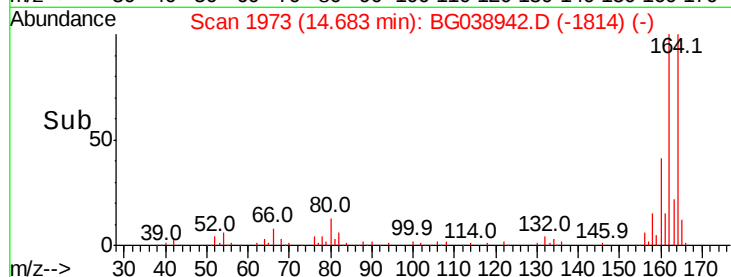
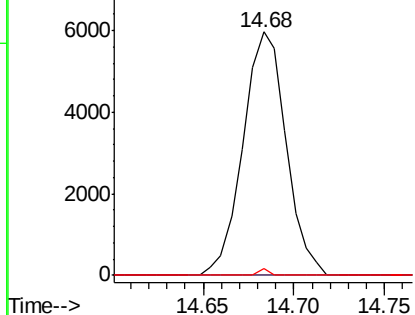
#51
 2,6-Dinitrotoluene
 Concen: 7.054 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.40 min
 Lab File: BG038942.D
 Acq: 4 Jan 2019 23:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	3.0	47.9	71.9#



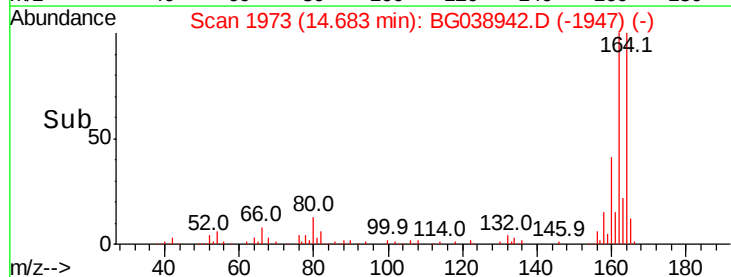
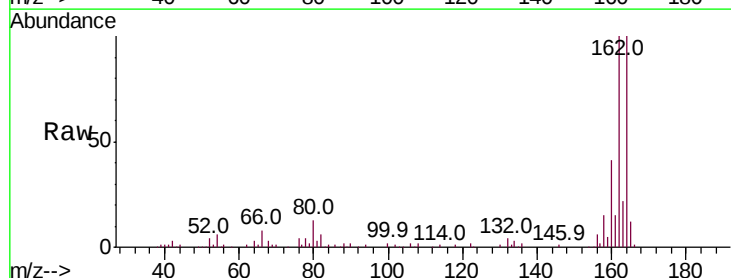
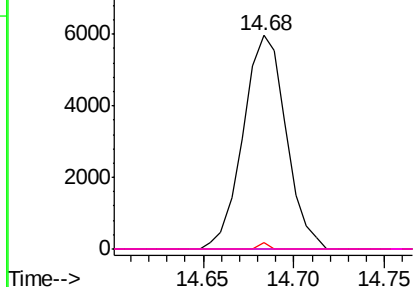
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

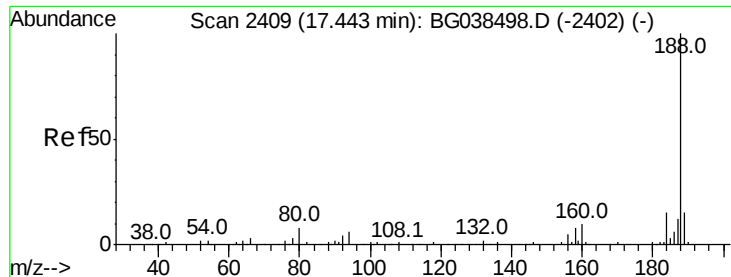


#57
 2,4-Dinitrotoluene
 Concen: 5.008 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.38 min
 Lab File: BG038942.D
 Acq: 4 Jan 2019 23:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	3.0	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

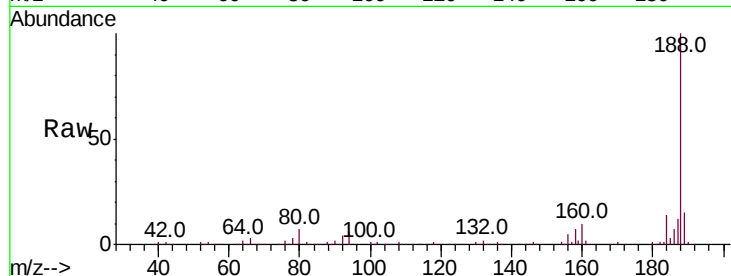




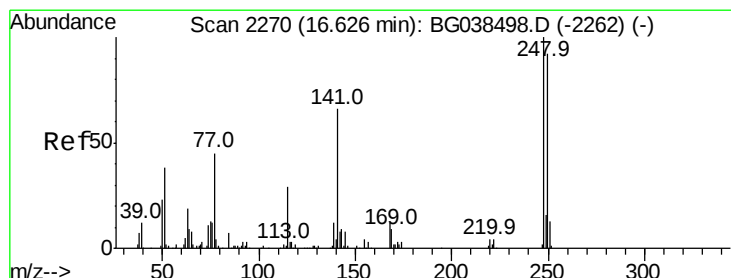
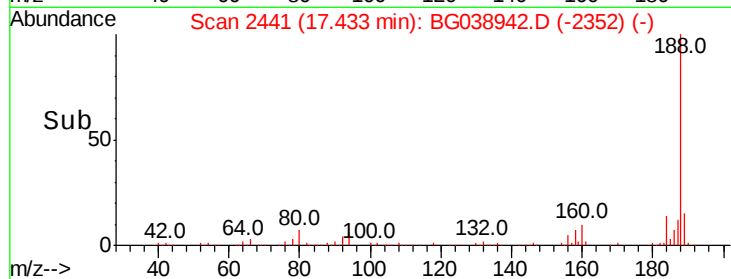
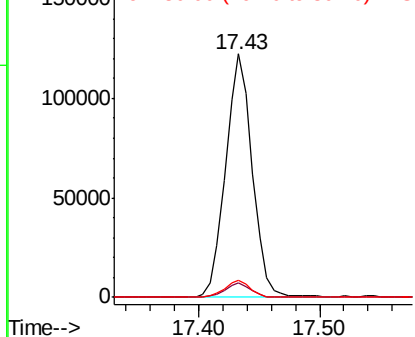
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG038942.D
 Acq: 4 Jan 2019 23:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 187027
 Ion Ratio Lower Upper
 188 100
 94 5.7 5.1 7.7
 80 6.8 6.1 9.1

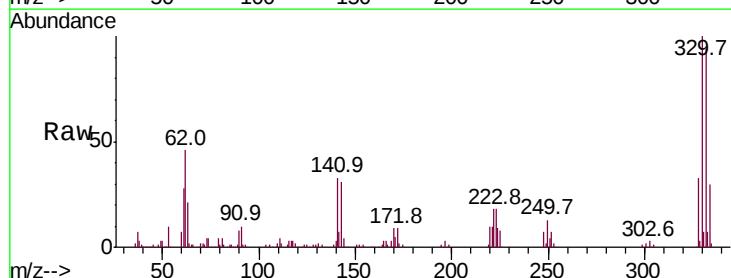


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

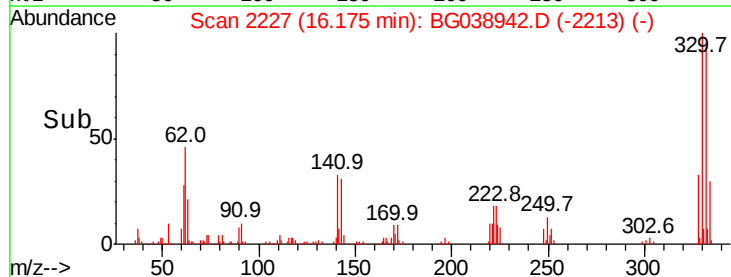
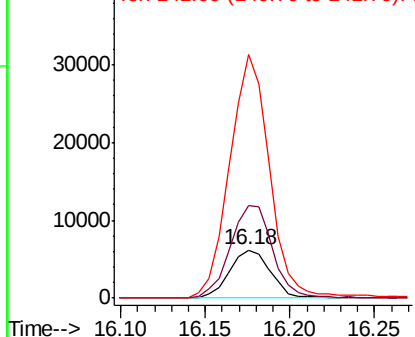


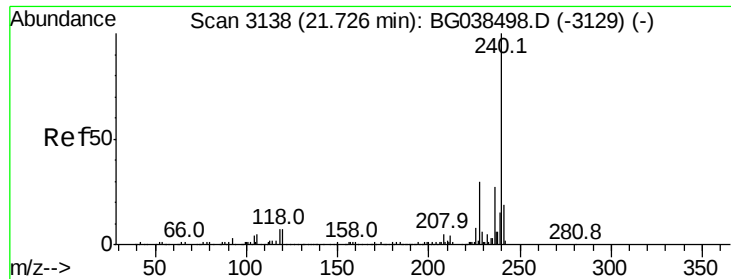
#67
 4-Bromophenyl-phenylether
 Concen: 4.524 ng
 RT: 16.18 min Scan# 2227
 Delta R.T. -0.45 min
 Lab File: BG038942.D
 Acq: 4 Jan 2019 23:04

Tgt Ion:248 Resp: 10333
 Ion Ratio Lower Upper
 248 100
 250 253.8 73.4 110.2#
 141 509.0 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

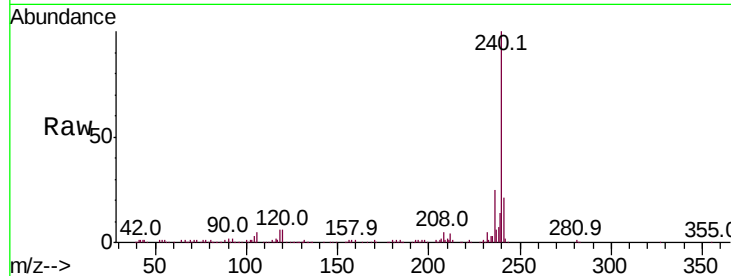




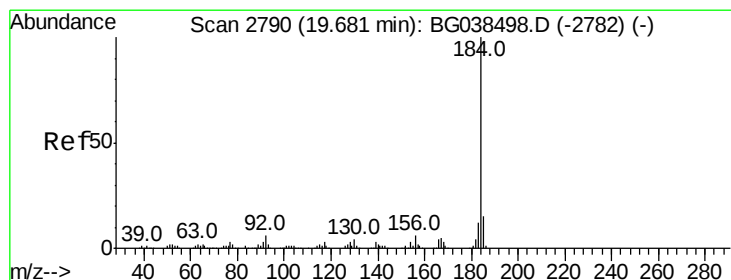
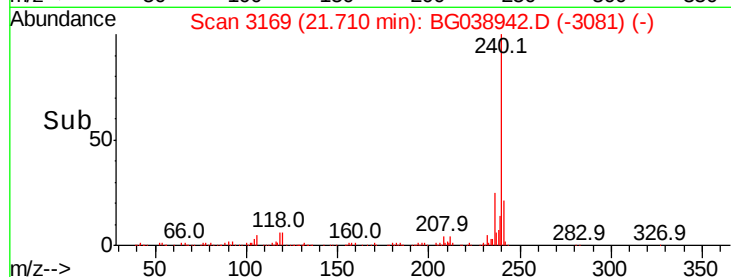
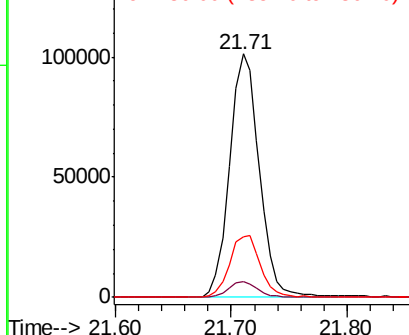
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3169
 Delta R.T. -0.02 min
 Lab File: BG038942.D
 Acq: 4 Jan 2019 23:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:240 Resp: 180315
 Ion Ratio Lower Upper
 240 100
 120 6.4 5.3 7.9
 236 25.0 21.4 32.2

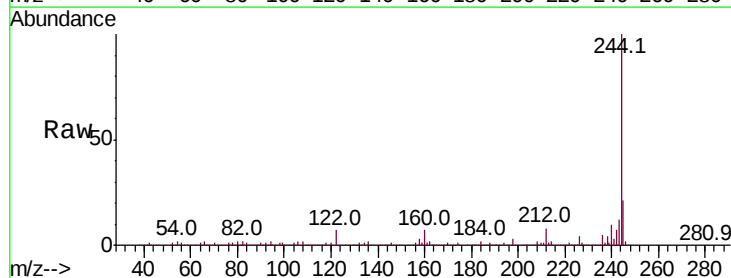


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

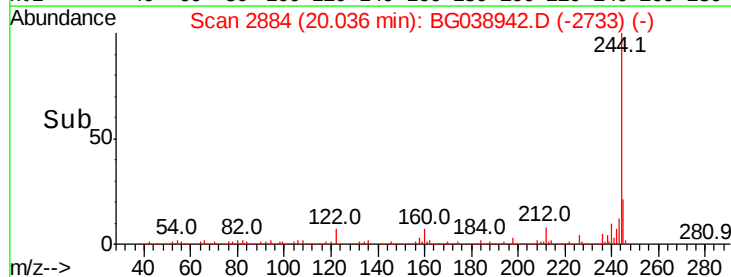
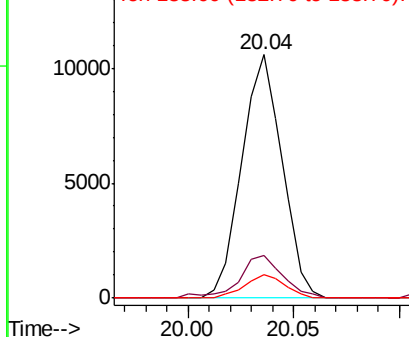


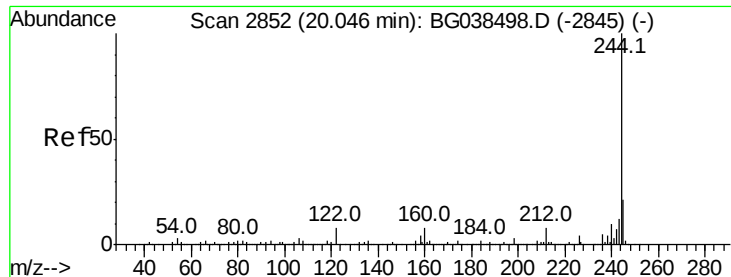
#77
 Benzidine
 Concen: 2.620 ng
 RT: 20.04 min Scan# 2884
 Delta R.T. 0.35 min
 Lab File: BG038942.D
 Acq: 4 Jan 2019 23:04

Tgt Ion:184 Resp: 13971
 Ion Ratio Lower Upper
 184 100
 185 17.7 12.2 18.2
 183 9.6 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: 103.577 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038942.D

Acq: 4 Jan 2019 23:04

Instrument :

BNA_G

ClientSampleId :

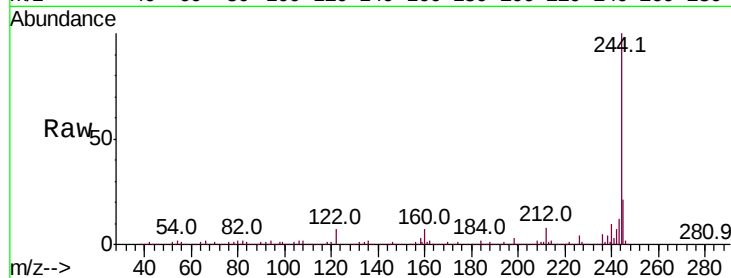
Tot Ion:244 Resp: 858165

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

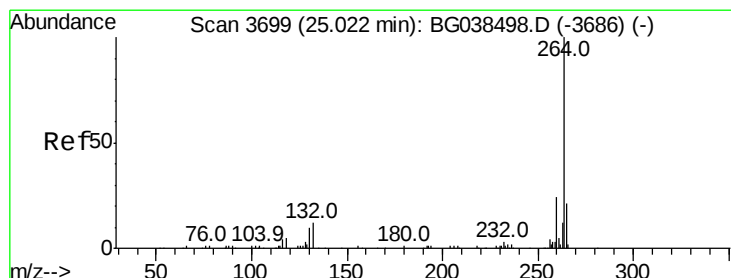
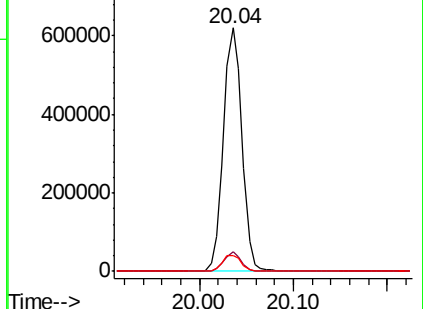
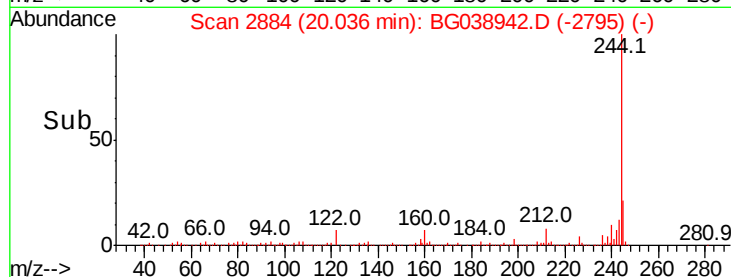
122 6.7 6.3 9.5



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: 25.01 min Scan# 3730

Delta R.T. -0.02 min

Lab File: BG038942.D

Acq: 4 Jan 2019 23:04

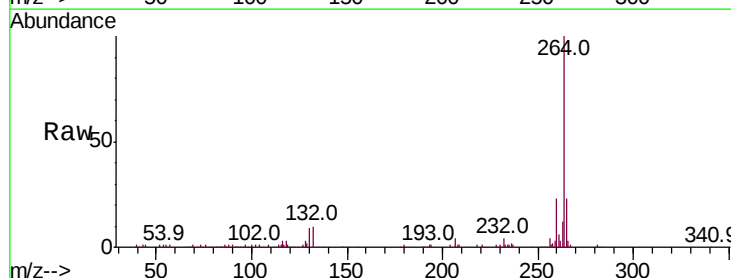
Tgt Ion:264 Resp: 191323

Ion Ratio Lower Upper

264 100

260 22.9 18.9 28.3

265 22.7 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

