

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122818\
 Data File : BG038879.D
 Acq On : 28 Dec 2018 18:32
 Operator : JU/SJ
 Sample : J6193-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 29 00:20:26 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

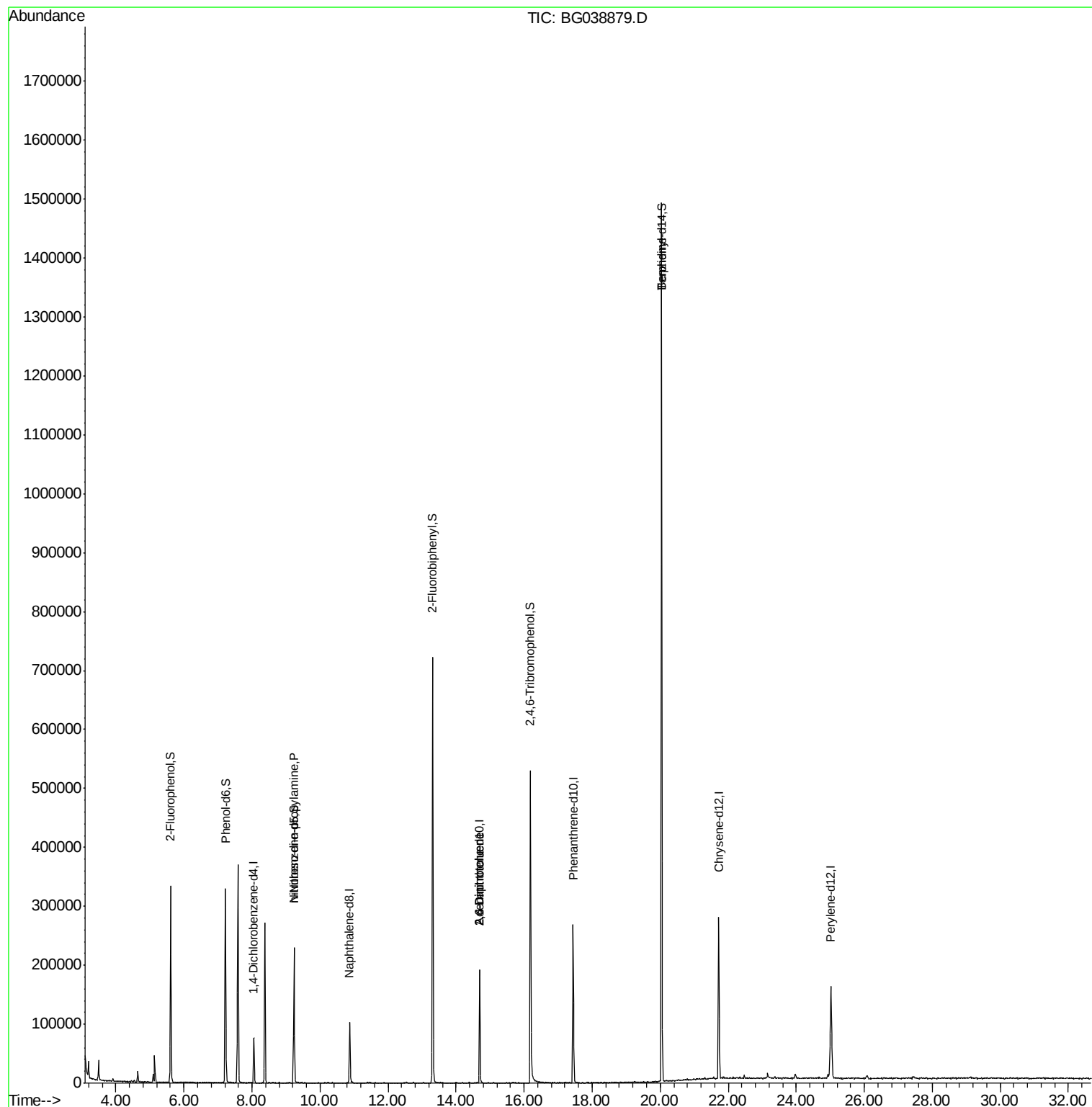
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	22566	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	96661	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	73283	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	183393	20.00	ng	0.00
76) Chrysene-d12	21.72	240	189313	20.00	ng	0.00
87) Perylene-d12	25.02	264	200978	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	144617	113.67	ng	0.00
7) Phenol-d6	7.22	99	191750	109.78	ng	0.01
23) Nitrobenzene-d5	9.23	82	138215	73.05	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	128809	127.54	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	407564	76.30	ng	0.00
79) Terphenyl-d14	20.04	244	771655	88.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	18431	15.025	ng	# 68
51) 2,6-Dinitrotoluene	14.69	165	9614	7.089	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	9614	5.033	ng	# 21
77) Benzidine	20.04	184	12379	2.211	ng	# 95

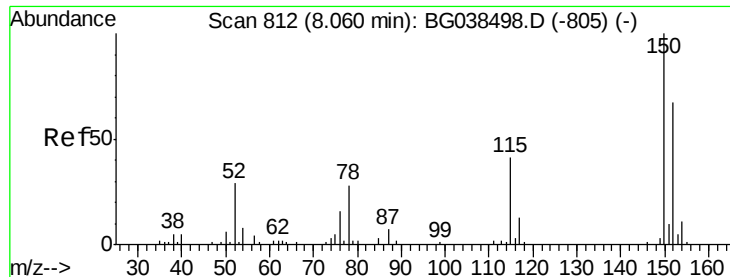
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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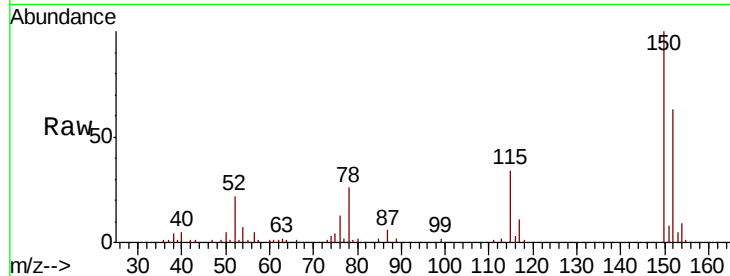


#1

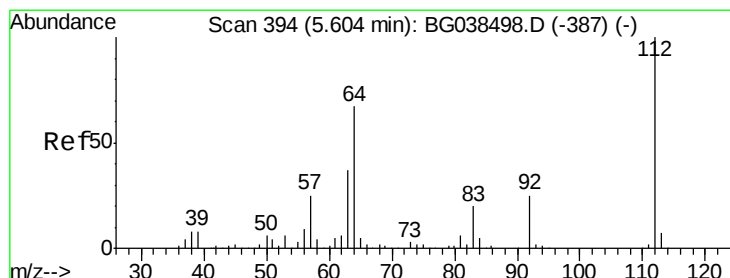
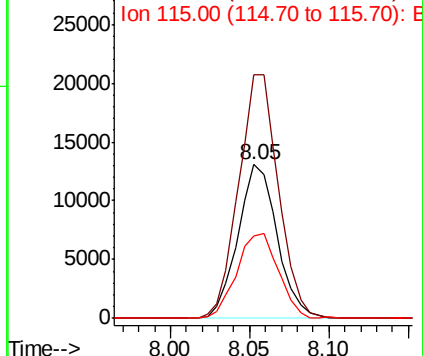
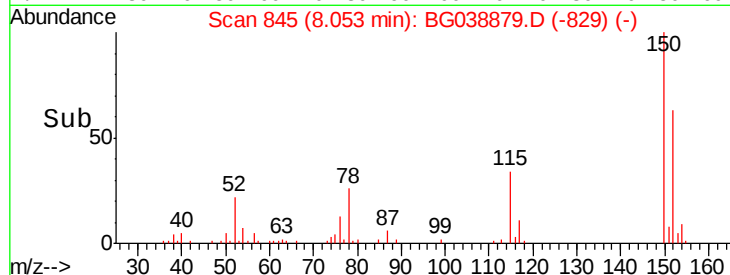
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038879.D
Acq: 28 Dec 2018 18:32

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 22566
Ion Ratio Lower Upper
152 100
150 158.1 119.5 179.3
115 53.6 49.6 74.4



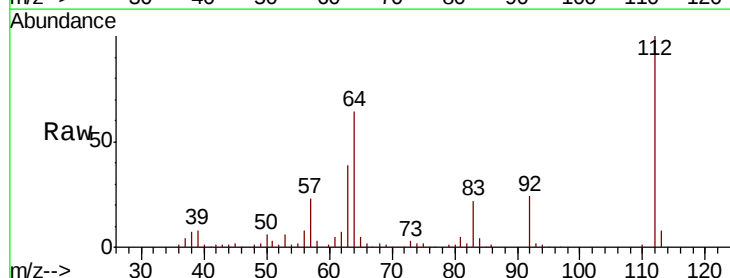
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



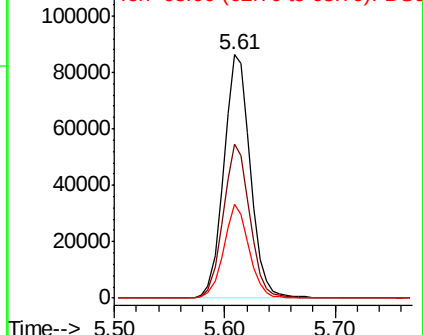
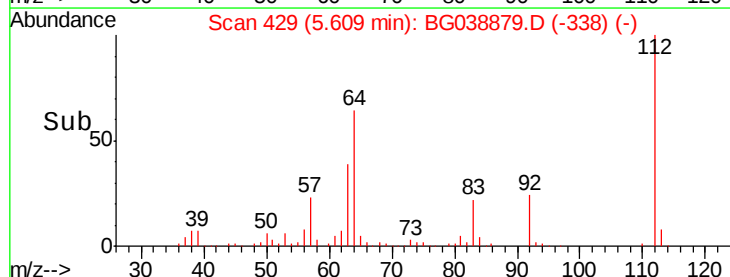
#5

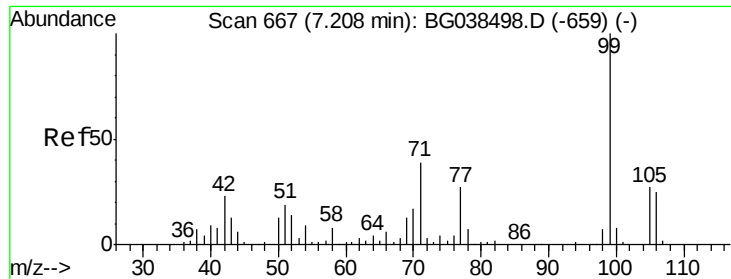
2-Fluorophenol
Concen: 113.667 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038879.D
Acq: 28 Dec 2018 18:32

Tgt Ion:112 Resp: 144617
Ion Ratio Lower Upper
112 100
64 63.5 53.4 80.2
63 38.6 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: 109.784 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038879.D

Acq: 28 Dec 2018 18:32

Instrument :

BNA_G

ClientSampled :

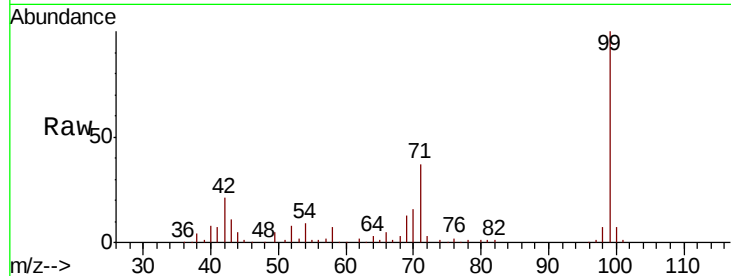
Tot Ion: 99 Resp: 191750

Ion Ratio Lower Upper

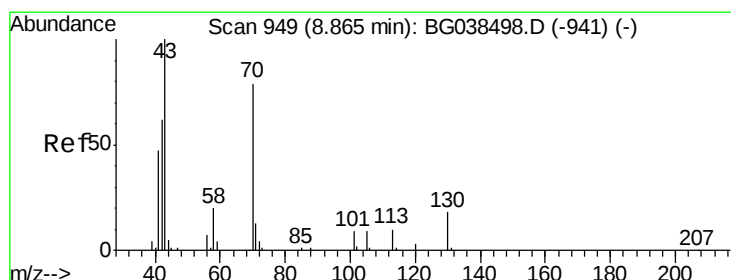
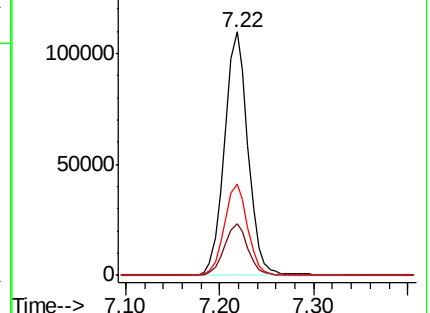
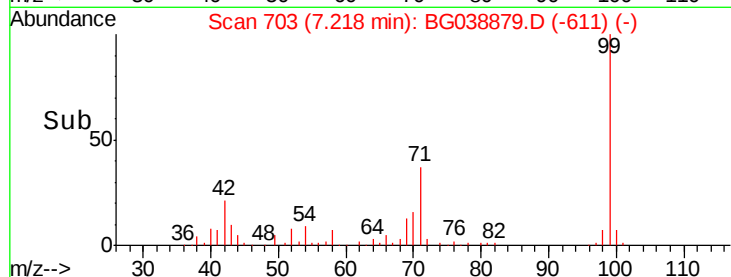
99 100

42 21.0 18.5 27.7

71 37.3 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: 15.025 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038879.D

Acq: 28 Dec 2018 18:32

Tgt Ion: 70 Resp: 18431

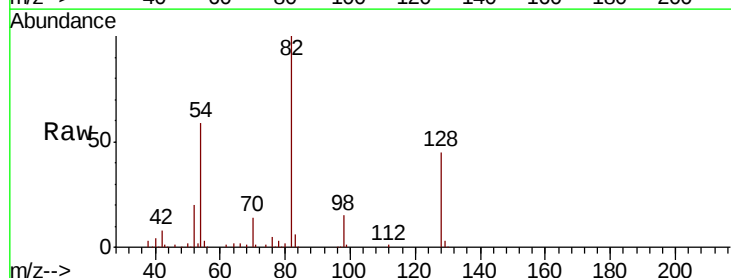
Ion Ratio Lower Upper

70 100

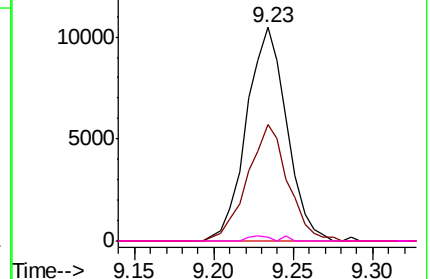
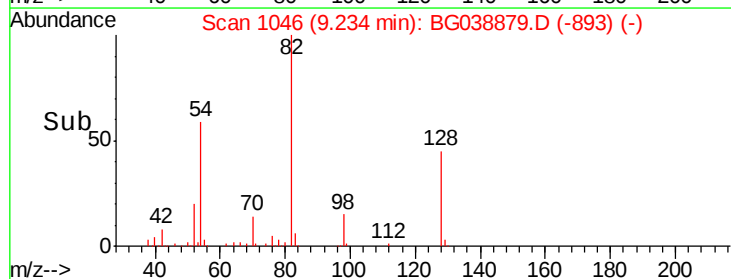
42 54.8 63.6 95.4#

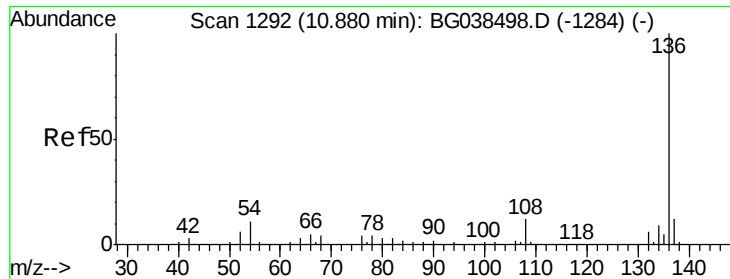
101 0.0 9.2 13.8#

130 1.7 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

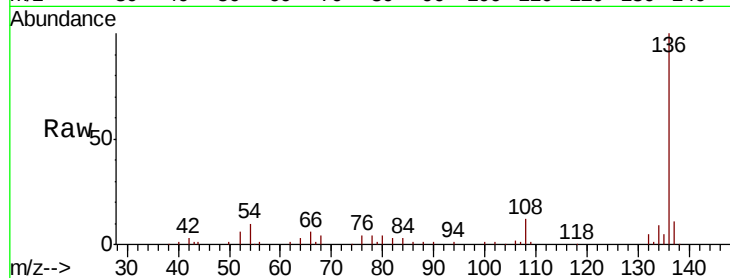




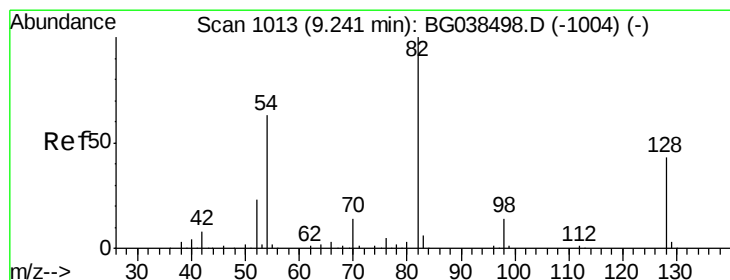
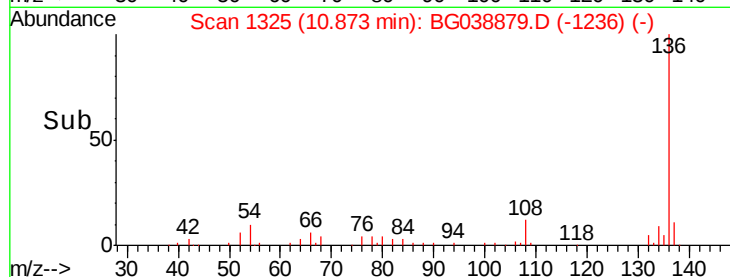
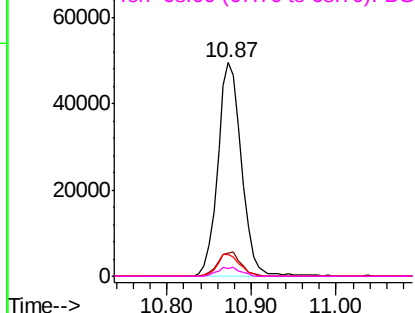
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038879.D
Acq: 28 Dec 2018 18:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	96661
Ion	Ratio	Lower Upper
136	100	
137	10.6	9.3 13.9
54	10.2	8.5 12.7
68	3.7	3.5 5.3

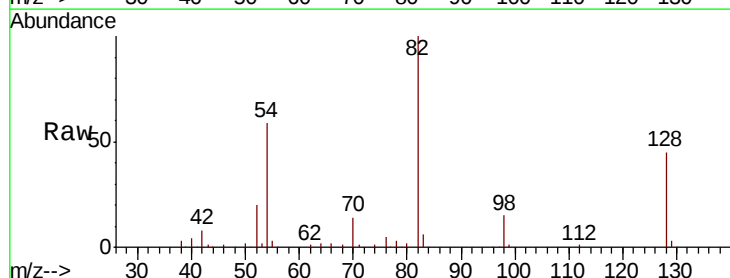


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

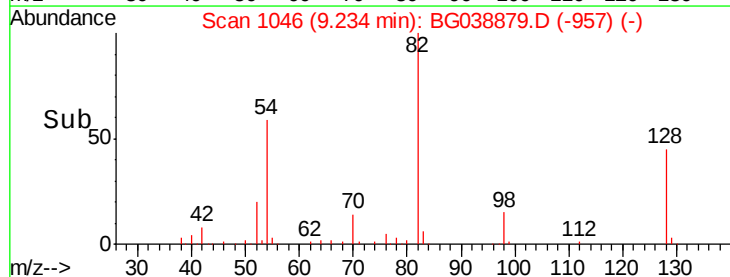
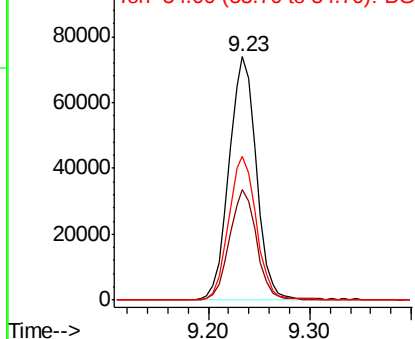


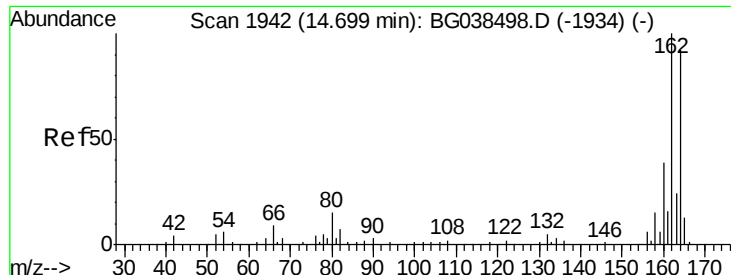
#23
Nitrobenzene-d5
Concen: 73.049 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038879.D
Acq: 28 Dec 2018 18:32

Tgt Ion: 82	Resp:	138215
Ion	Ratio	Lower Upper
82	100	
128	45.4	34.6 52.0
54	59.3	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: BG038879.D

Acq: 28 Dec 2018 18:32

Instrument :

BNA_G

ClientSampleId :

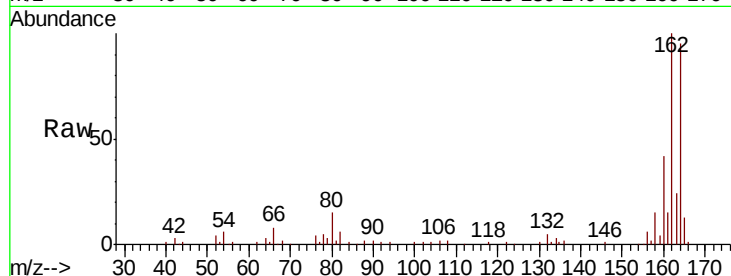
Tot Ion:164 Resp: 73283

Ion Ratio Lower Upper

164 100

162 105.2 86.6 130.0

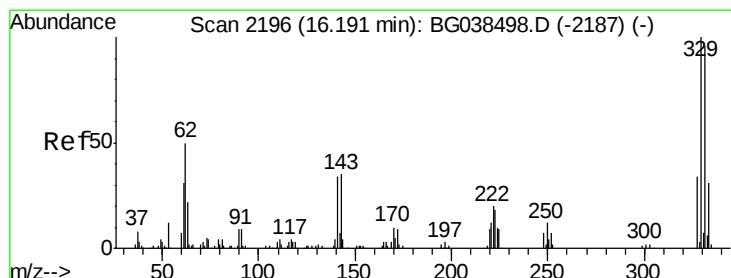
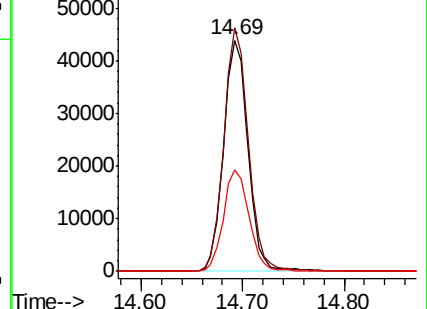
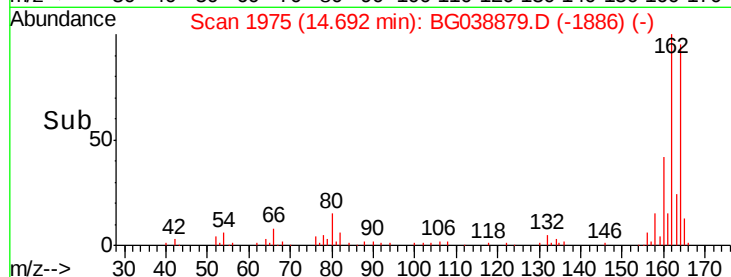
160 44.0 34.2 51.2



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: 127.537 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038879.D

Acq: 28 Dec 2018 18:32

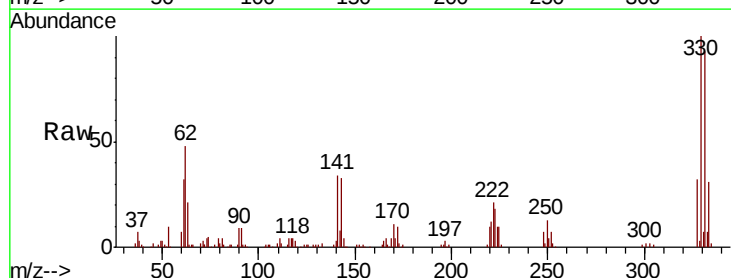
Tgt Ion:330 Resp: 128809

Ion Ratio Lower Upper

330 100

332 94.5 76.9 115.3

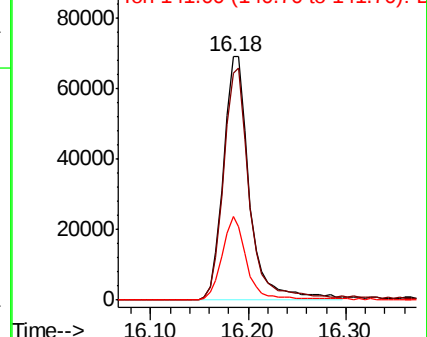
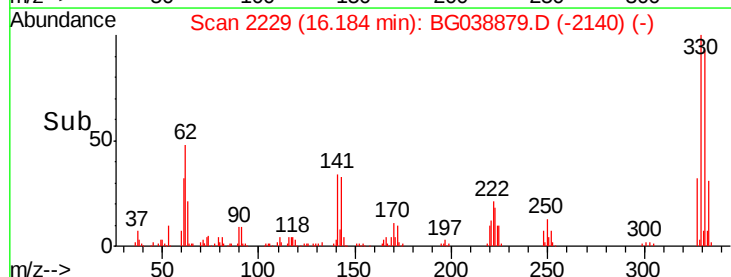
141 32.3 28.8 43.2

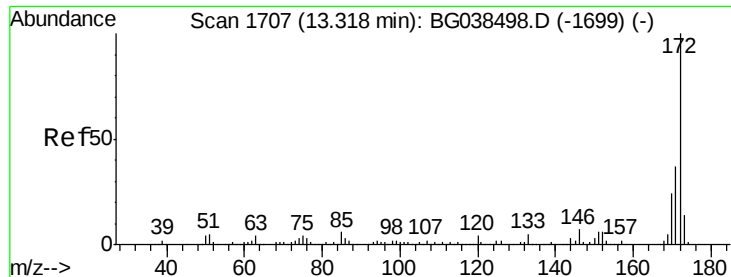


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

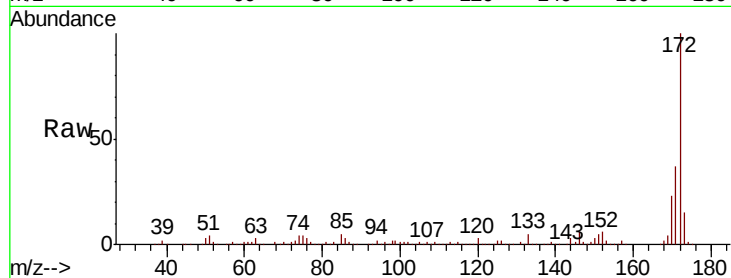




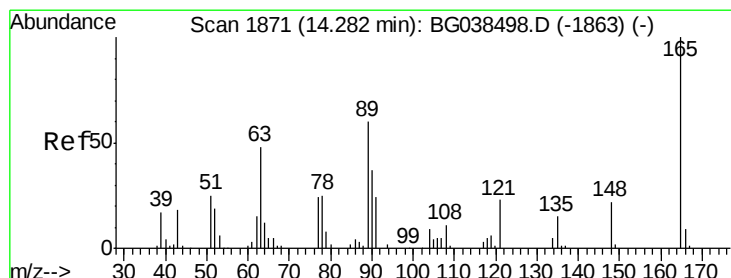
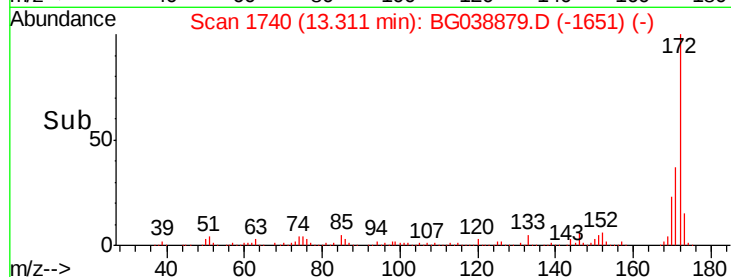
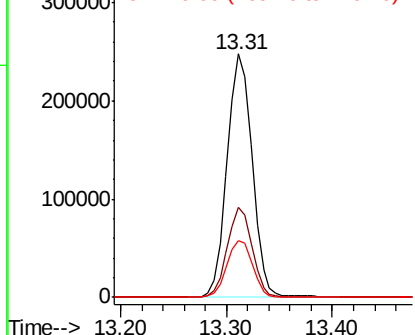
#45
2-Fluorobiphenyl
Concen: 76.295 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG038879.D
Acq: 28 Dec 2018 18:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.8	44.6
170	23.4	19.5	29.3

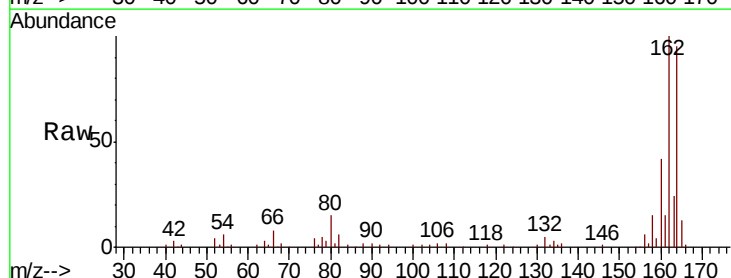


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

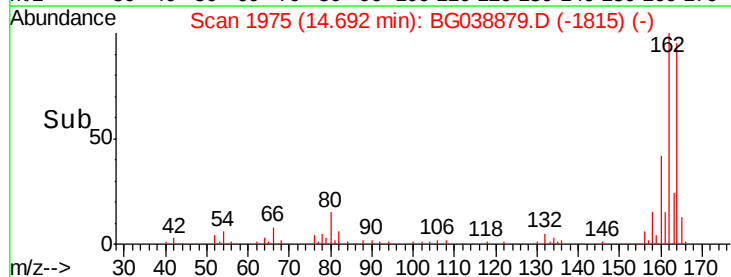
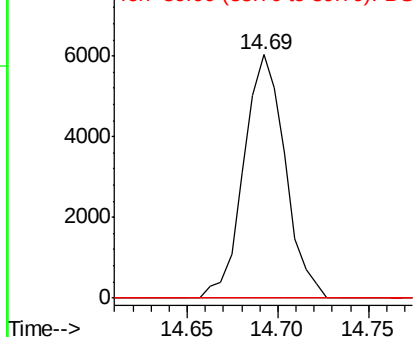


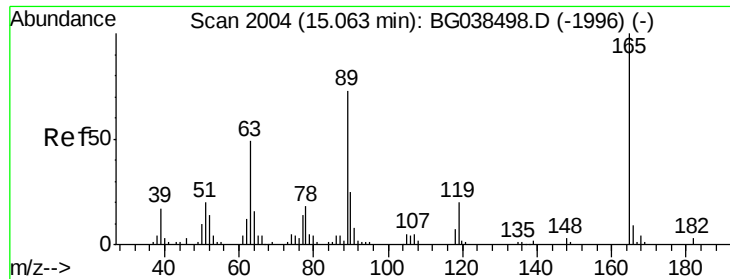
#51
2,6-Dinitrotoluene
Concen: 7.089 ng
RT: 14.69 min Scan# 1975
Delta R.T. 0.41 min
Lab File: BG038879.D
Acq: 28 Dec 2018 18:32

Tgt 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

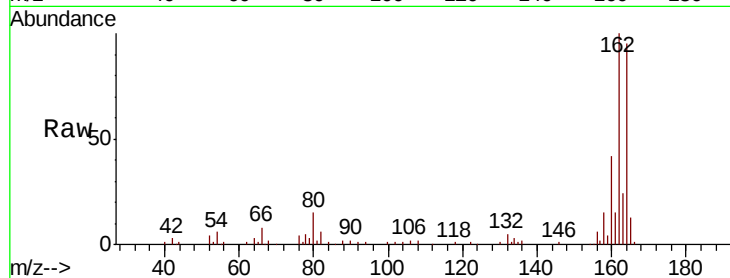




#57
 2,4-Dinitrotoluene
 Concen: 5.033 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038879.D
 Acq: 28 Dec 2018 18:32

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#



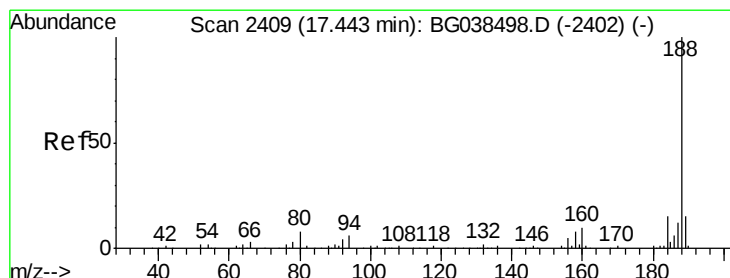
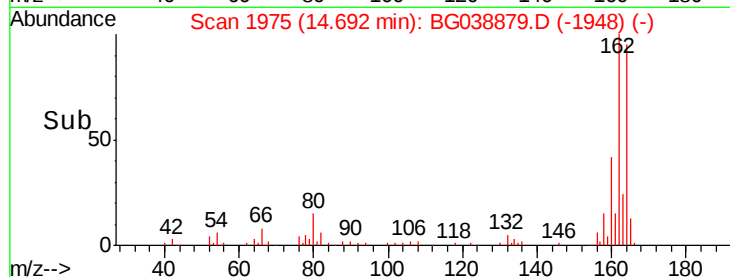
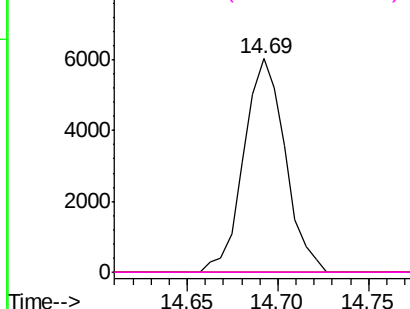
Abundance

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: BG038879.D
 Acq: 28 Dec 2018 18:32

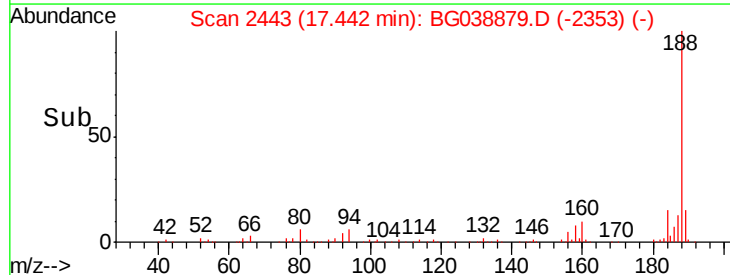
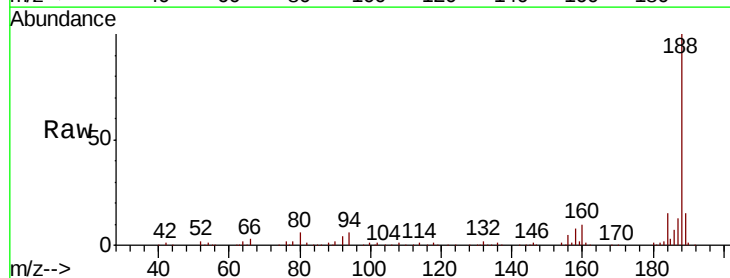
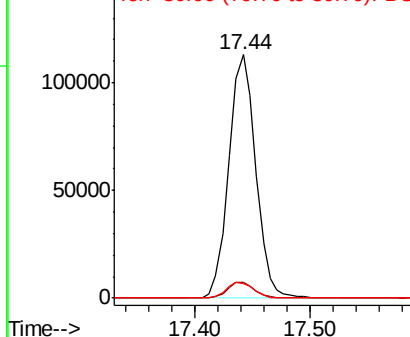
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.3	5.1	7.7
80	6.1	6.1	9.1

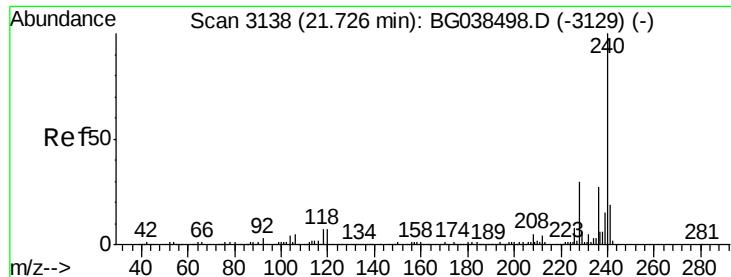
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

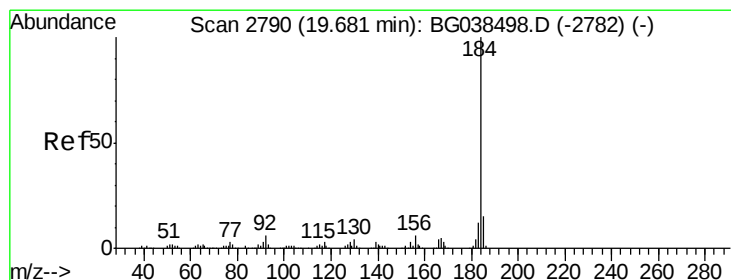
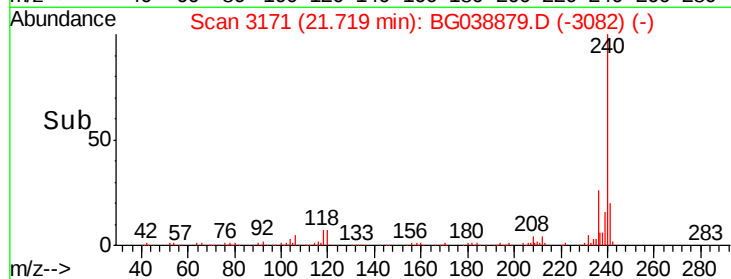
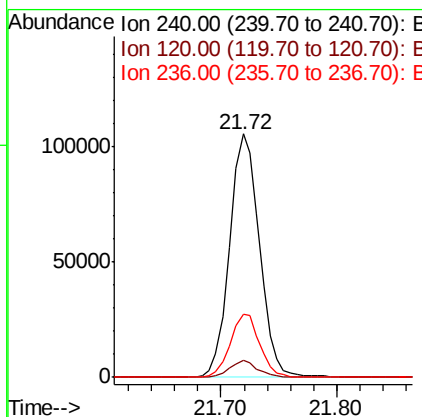
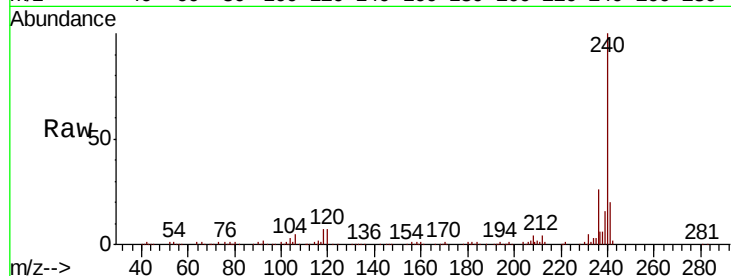




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038879.D
Acq: 28 Dec 2018 18:32

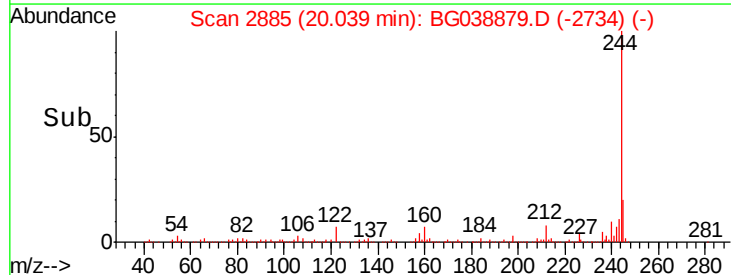
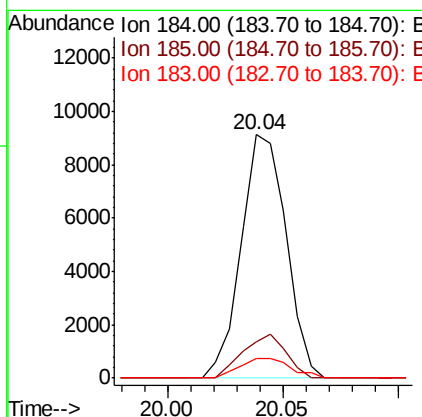
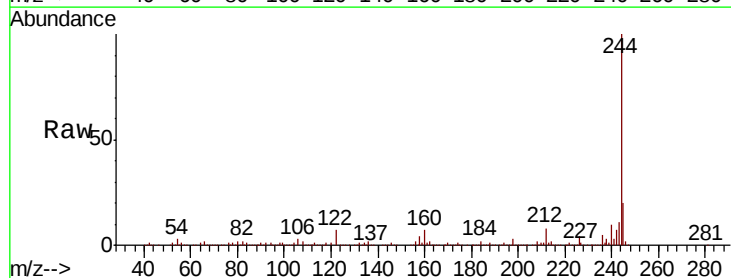
Instrument :
BNA_G
ClientSampled :

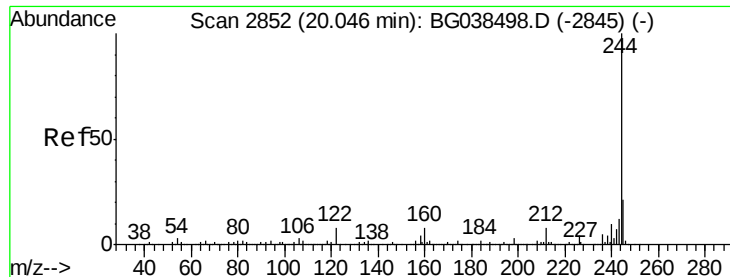
Tot Ion:240 Resp: 189313
Ion Ratio Lower Upper
240 100
120 6.8 5.3 7.9
236 25.9 21.4 32.2



#77
Benzidine
Concen: 2.211 ng
RT: 20.04 min Scan# 2885
Delta R.T. 0.36 min
Lab File: BG038879.D
Acq: 28 Dec 2018 18:32

Tgt Ion:184 Resp: 12379
Ion Ratio Lower Upper
184 100
185 14.7 12.2 18.2
183 8.2 9.6 14.4#





#79

Terphenyl-d14

Concen: 88.709 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038879.D

Acq: 28 Dec 2018 18:32

Instrument :

BNA_G

ClientSampleId :

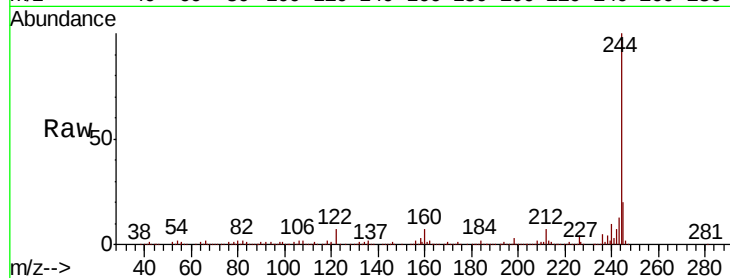
Tot Ion:244 Resp: 771655

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

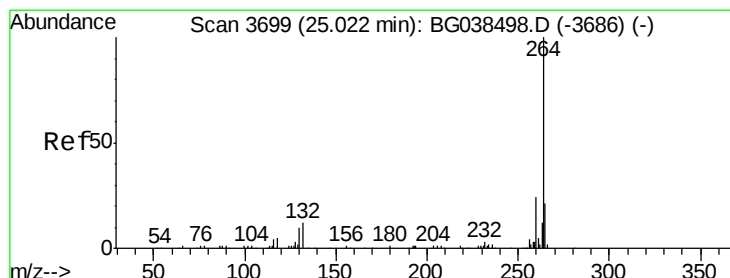
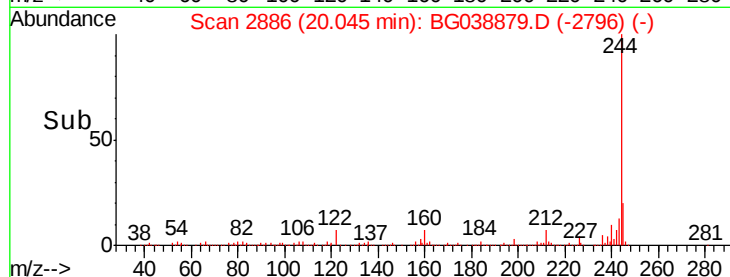
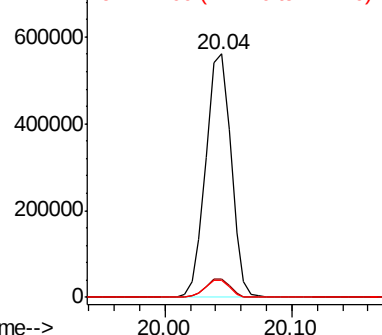
122 6.8 6.3 9.5



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# 3733

Delta R.T. -0.00 min

Lab File: BG038879.D

Acq: 28 Dec 2018 18:32

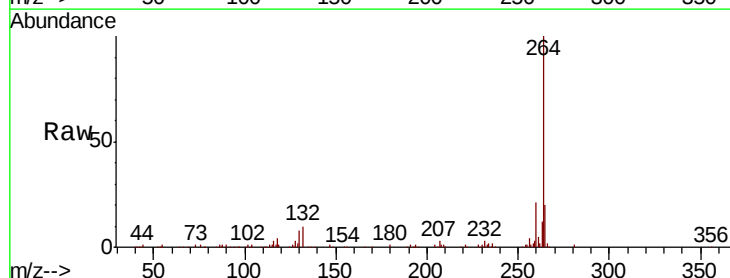
Tgt Ion:264 Resp: 200978

Ion Ratio Lower Upper

264 100

260 21.0 18.9 28.3

265 20.5 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

