

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121618\
 Data File : BG038639.D
 Acq On : 16 Dec 2018 14:05
 Operator : JU/SJ
 Sample : PB115718BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 05:49:56 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

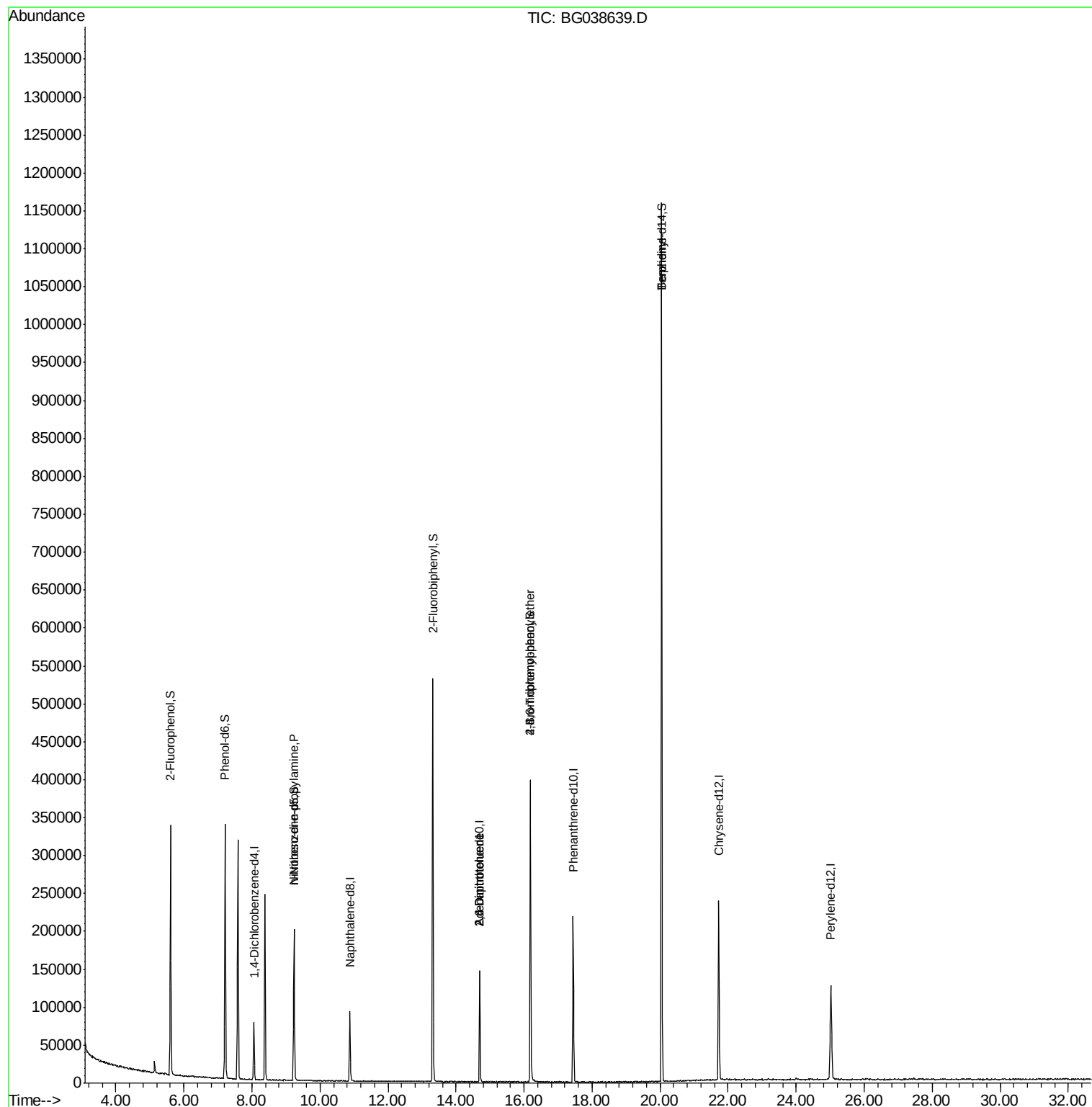
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	21228	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	84130	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	56423	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	143464	20.00	ng	0.00
76) Chrysene-d12	21.72	240	153444	20.00	ng	0.00
87) Perylene-d12	25.02	264	161459	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	139581	116.62	ng	0.00
7) Phenol-d6	7.21	99	188928	114.99	ng	0.00
23) Nitrobenzene-d5	9.23	82	119937	72.83	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	81822	105.22	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	295082	71.75	ng	0.00
79) Terphenyl-d14	20.05	244	573444	81.33	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	15559	13.483	ng	# 75
51) 2,6-Dinitrotoluene	14.69	165	7141	6.839	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	7141	4.856	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	5110	2.916	ng	# 1
77) Benzidine	20.04	184	10068	2.219	ng	# 96

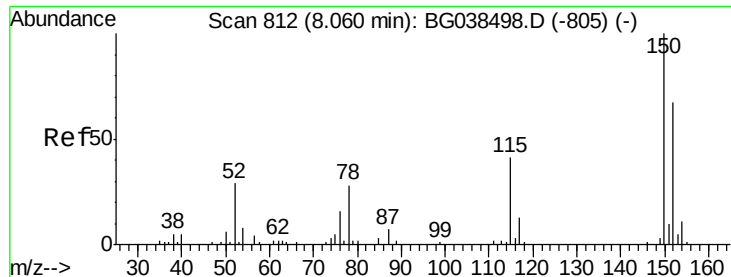
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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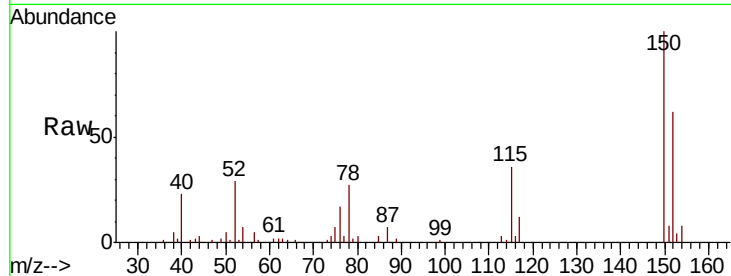


#1

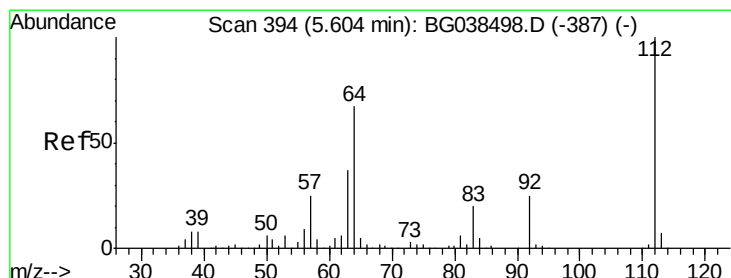
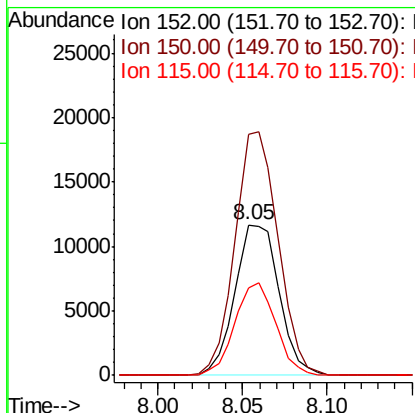
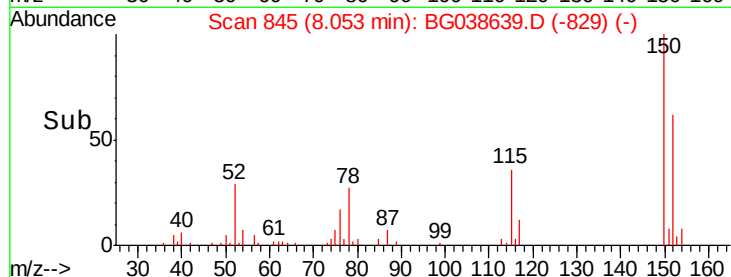
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038639.D
Acq: 16 Dec 2018 14:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 21228
Ion Ratio Lower Upper
152 100
150 160.4 119.5 179.3
115 58.5 49.6 74.4



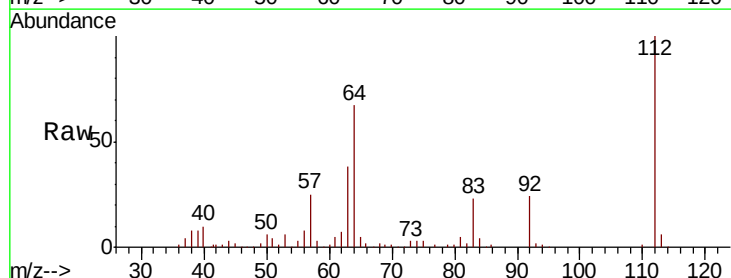
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



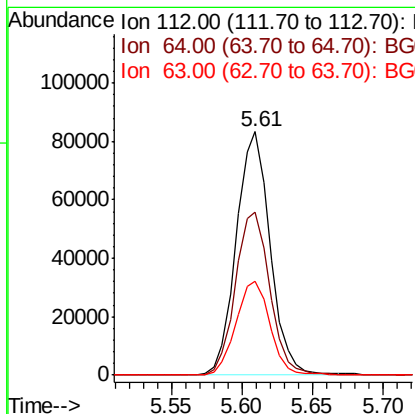
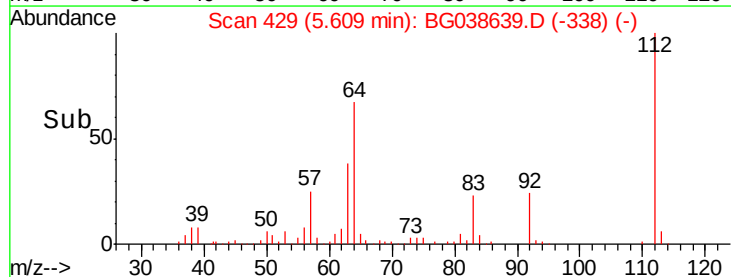
#5

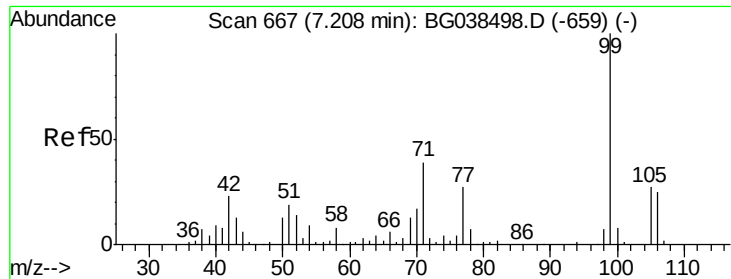
2-Fluorophenol
Concen: 116.623 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038639.D
Acq: 16 Dec 2018 14:05

Tgt Ion:112 Resp: 139581
Ion Ratio Lower Upper
112 100
64 66.9 53.4 80.2
63 38.5 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: 114.986 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038639.D

Acq: 16 Dec 2018 14:05

Instrument :

BNA_G

ClientSampled :

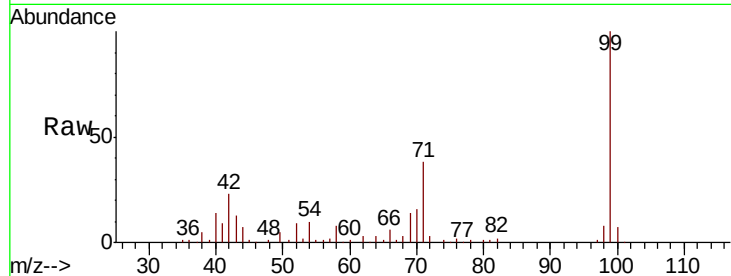
Tot Ion: 99 Resp: 188928

Ion Ratio Lower Upper

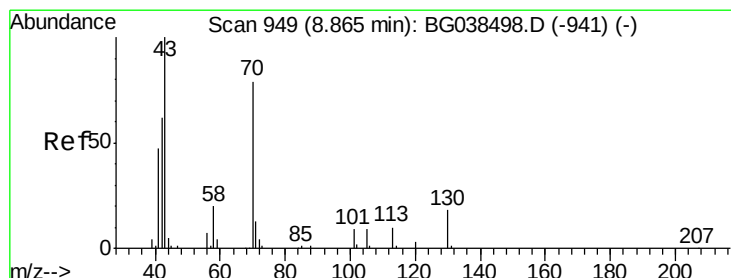
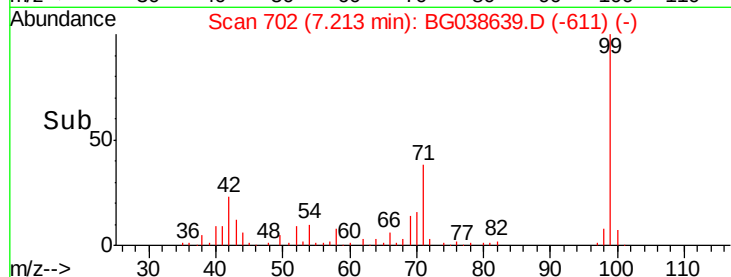
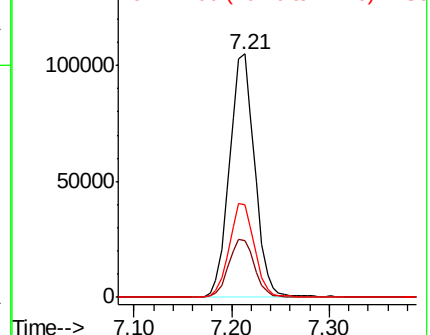
99 100

42 23.5 18.5 27.7

71 38.0 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: 13.483 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038639.D

Acq: 16 Dec 2018 14:05

Tgt Ion: 70 Resp: 15559

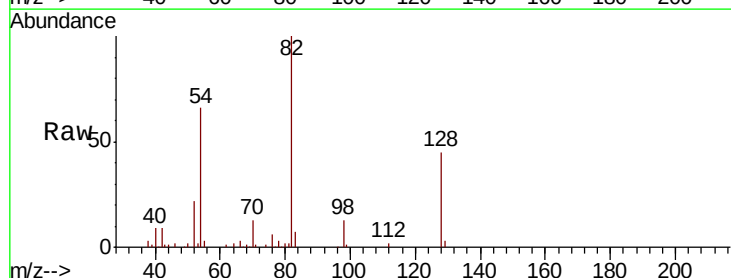
Ion Ratio Lower Upper

70 100

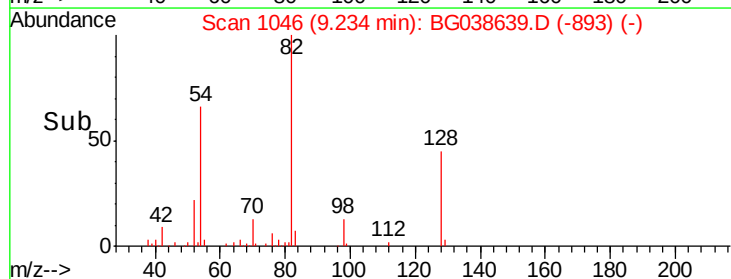
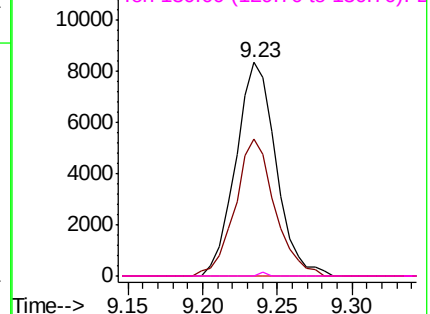
42 64.2 63.6 95.4

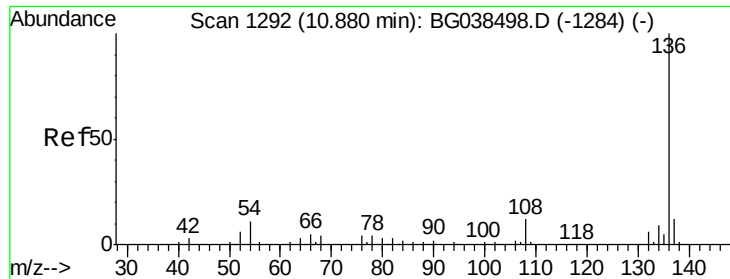
101 0.0 9.2 13.8#

130 0.0 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

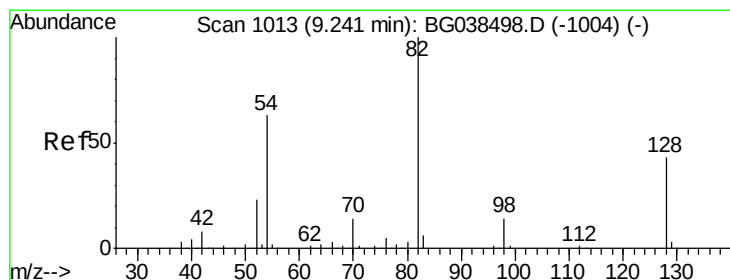
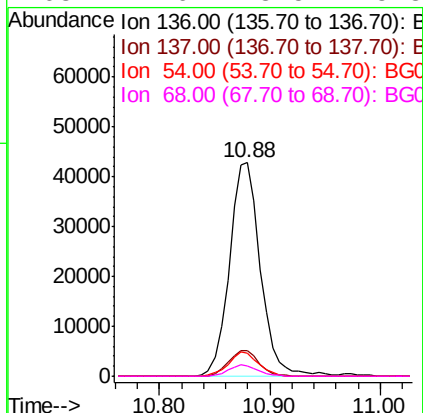
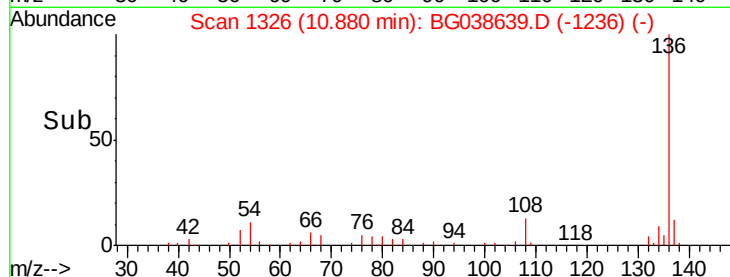
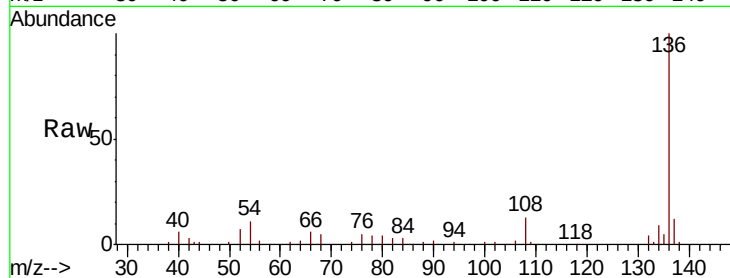




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038639.D
Acq: 16 Dec 2018 14:05

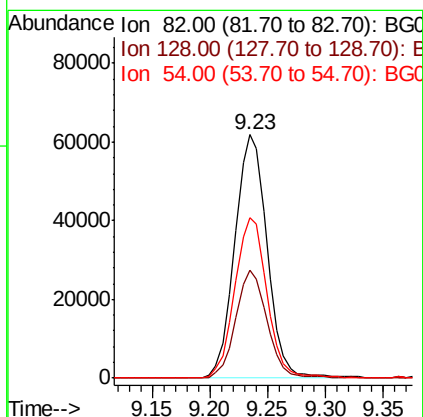
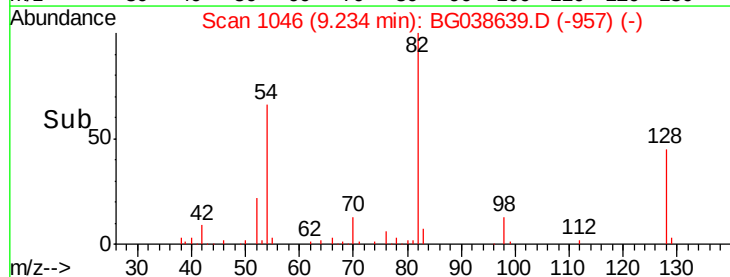
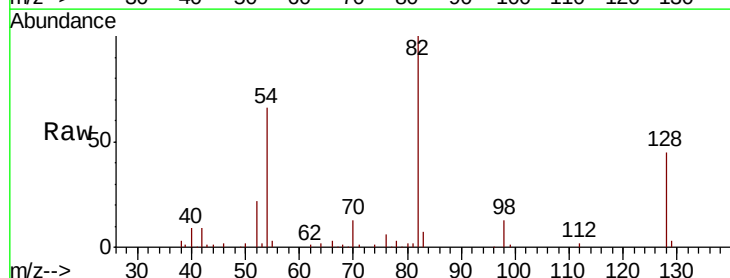
Instrument :
BNA_G
ClientSampleId :

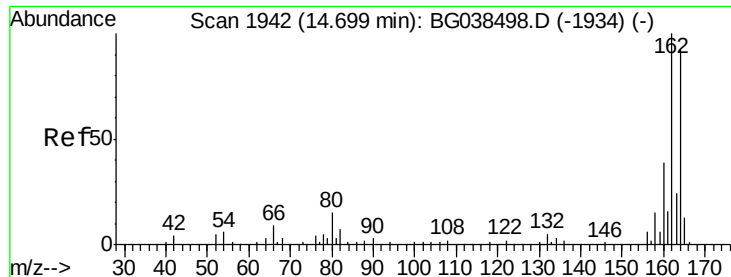
Tot Ion:136	Resp:	84130
Ion	Ratio	Lower Upper
136	100	
137	11.8	9.3 13.9
54	11.1	8.5 12.7
68	4.6	3.5 5.3



#23
Nitrobenzene-d5
Concen: 72.831 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038639.D
Acq: 16 Dec 2018 14:05

Tgt Ion: 82	Resp:	119937
Ion	Ratio	Lower Upper
82	100	
128	44.6	34.6 52.0
54	65.9	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: BG038639.D

Acq: 16 Dec 2018 14:05

Instrument :

BNA_G

ClientSampleId :

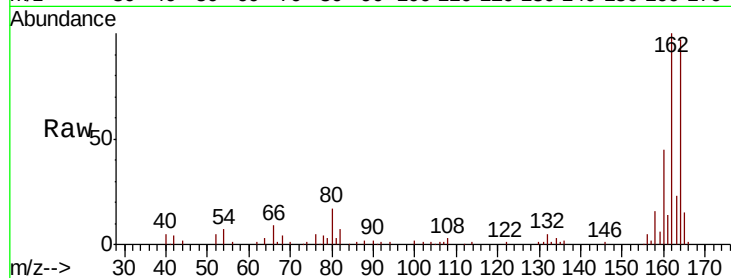
Tot Ion:164 Resp: 56423

Ion Ratio Lower Upper

164 100

162 103.3 86.6 130.0

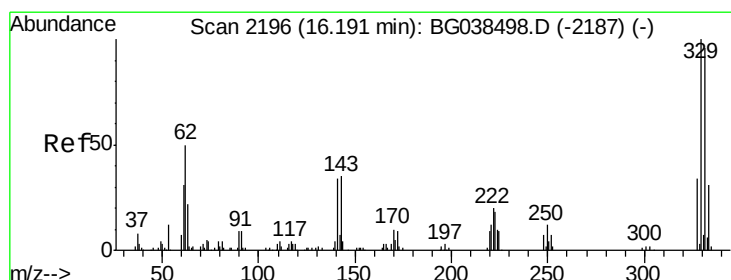
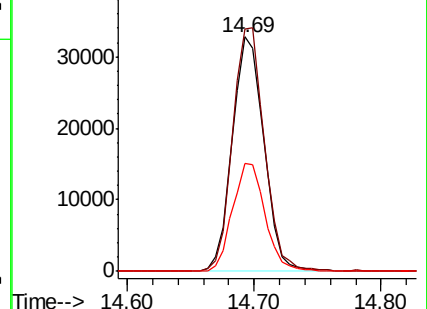
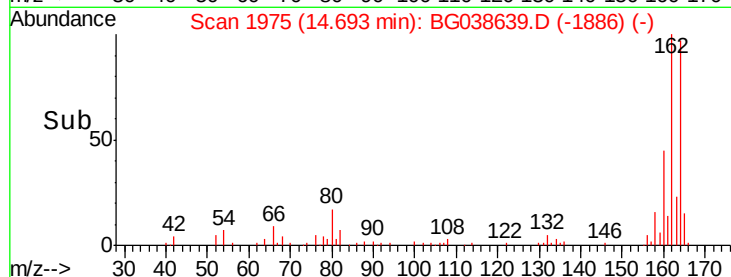
160 46.0 34.2 51.2



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: 105.222 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038639.D

Acq: 16 Dec 2018 14:05

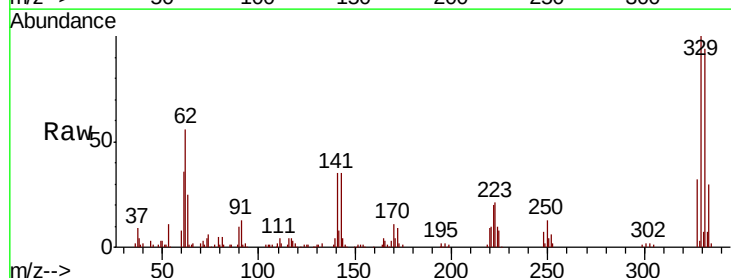
Tgt Ion:330 Resp: 81822

Ion Ratio Lower Upper

330 100

332 96.3 76.9 115.3

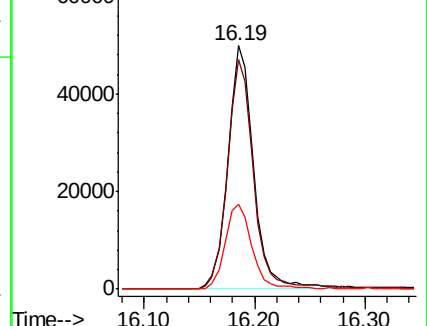
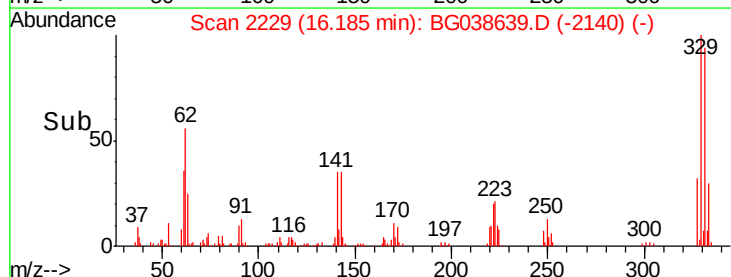
141 36.1 28.8 43.2

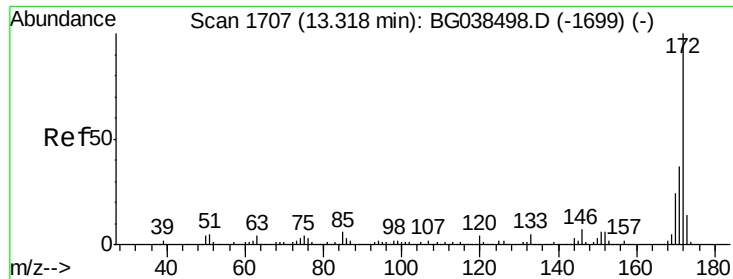


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

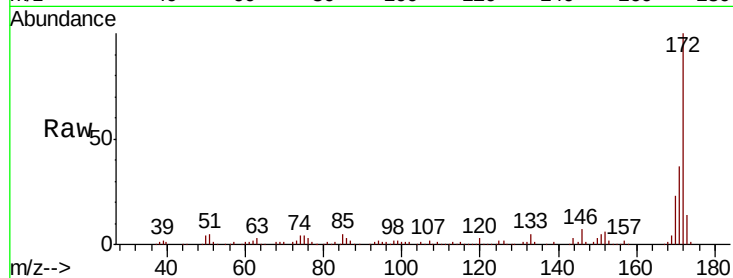




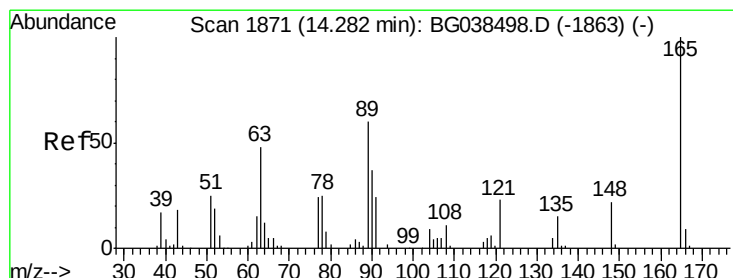
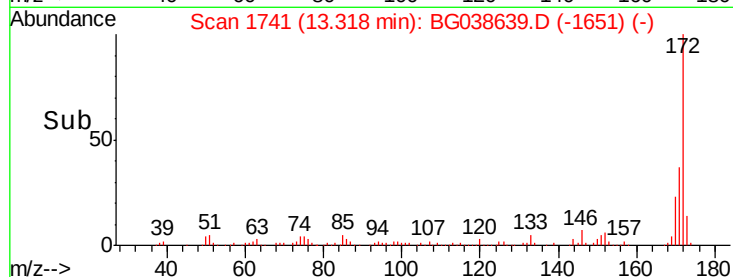
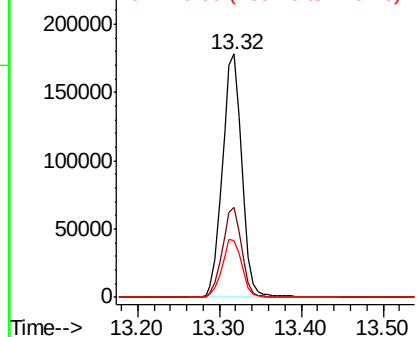
#45
 2-Fluorobiphenyl
 Concen: 71.745 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038639.D
 Acq: 16 Dec 2018 14:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 295082
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.8 44.6
 170 23.5 19.5 29.3

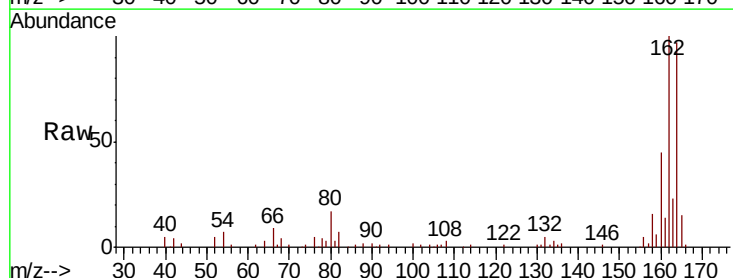


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

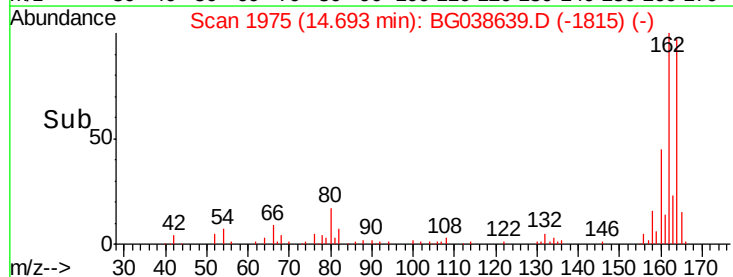
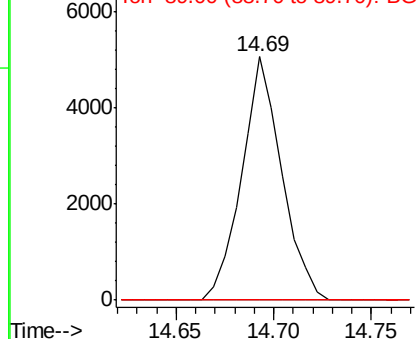


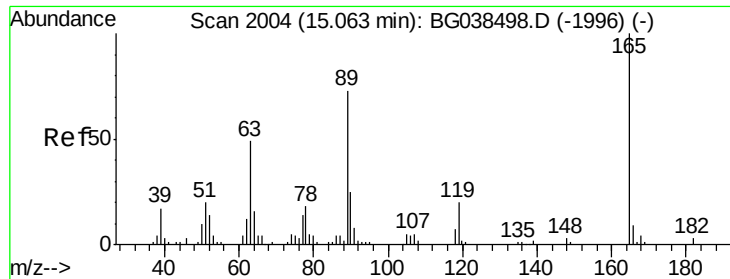
#51
 2,6-Dinitrotoluene
 Concen: 6.839 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038639.D
 Acq: 16 Dec 2018 14:05

Tgt Ion:165 Resp: 7141
 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): BG
 Ion 89.00 (88.70 to 89.70): BG

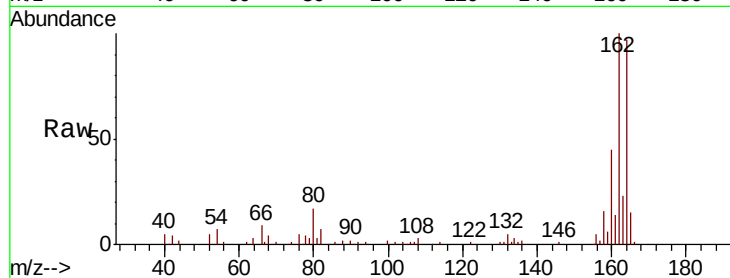




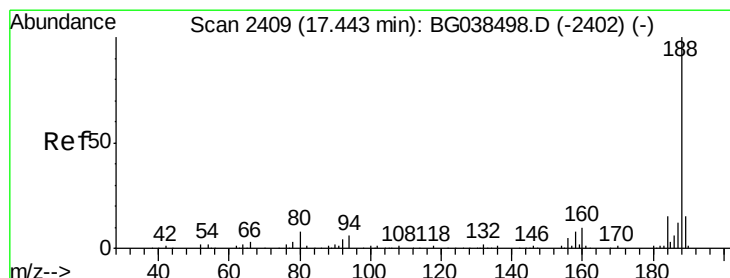
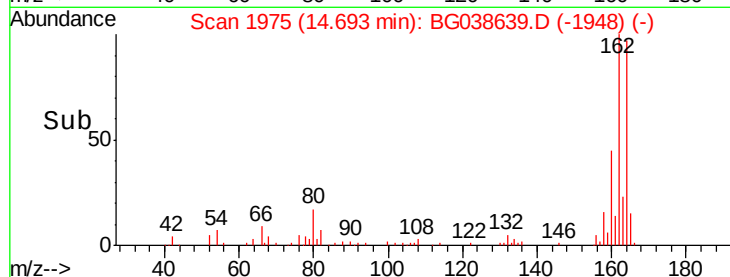
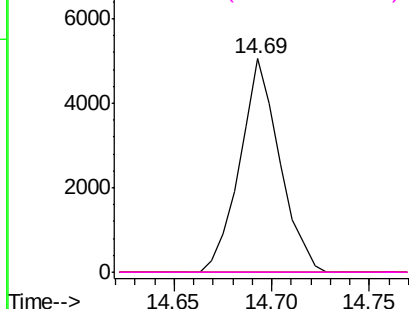
#57
 2,4-Dinitrotoluene
 Concen: 4.856 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038639.D
 Acq: 16 Dec 2018 14:05

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#

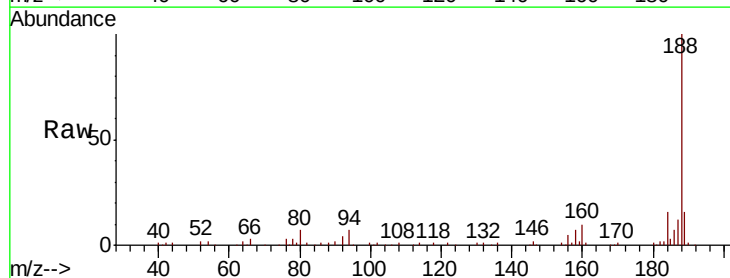


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

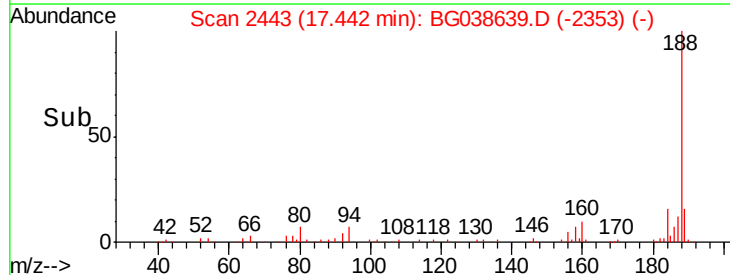
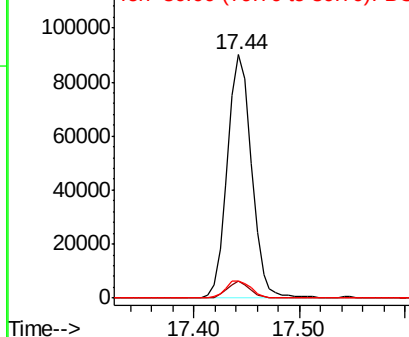


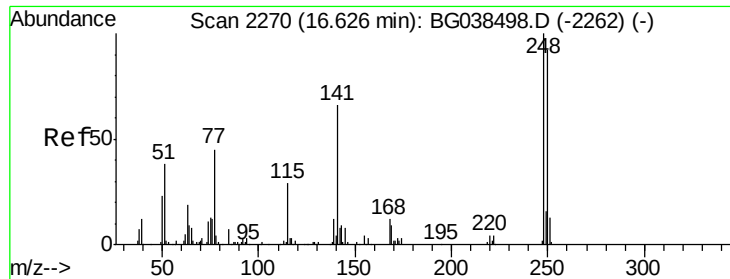
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038639.D
 Acq: 16 Dec 2018 14:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.1	7.7
80	7.1	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

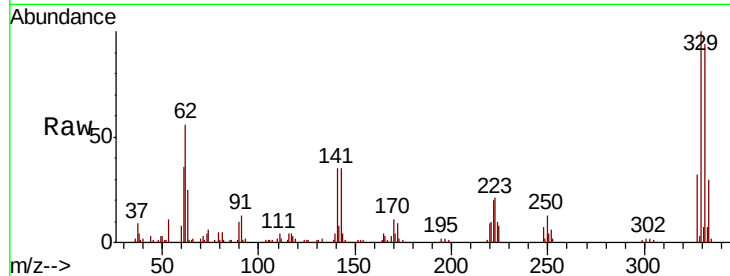




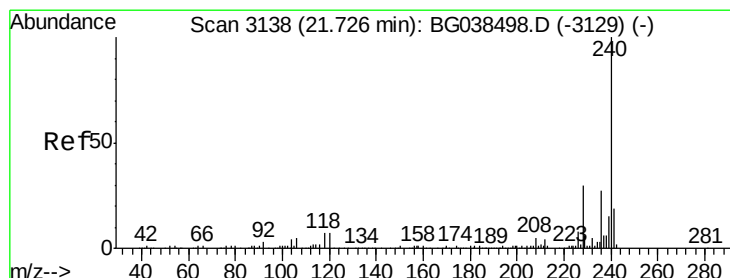
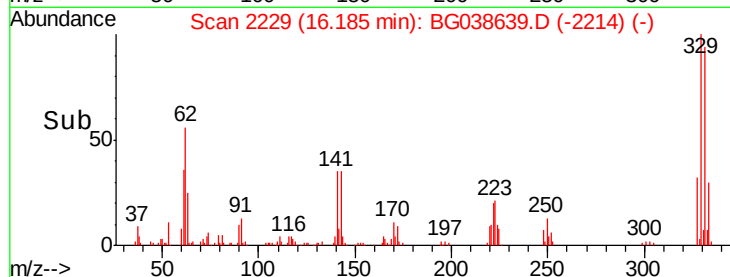
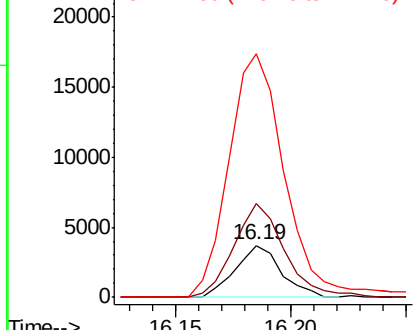
#67
4-Bromophenyl-phenylether
Concen: 2.916 ng
RT: 16.19 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038639.D
Acq: 16 Dec 2018 14:05

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 5110
Ion Ratio Lower Upper
248 100
250 175.3 73.4 110.2#
141 356.5 52.9 79.3#

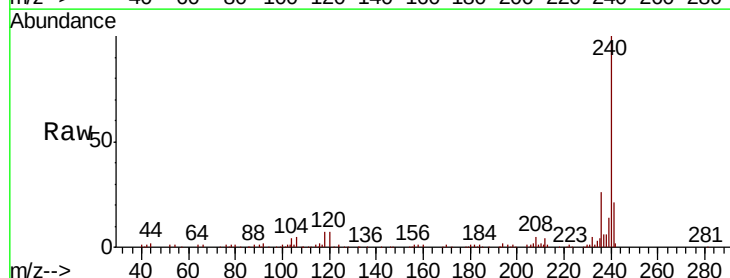


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

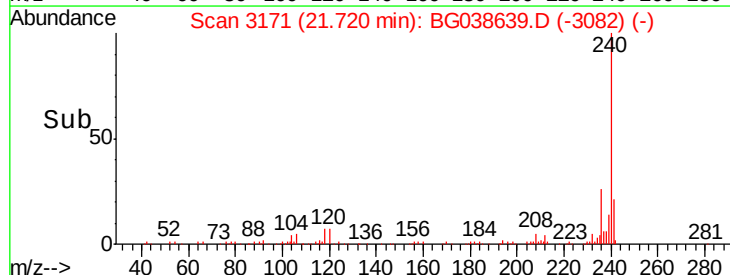
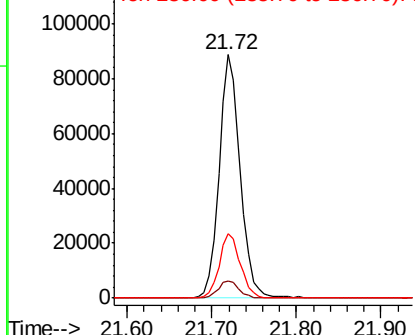


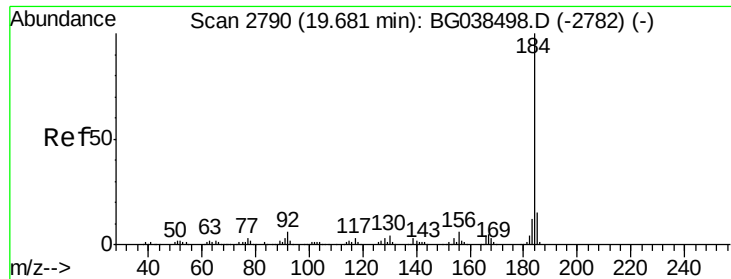
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038639.D
Acq: 16 Dec 2018 14:05

Tgt Ion:240 Resp: 153444
Ion Ratio Lower Upper
240 100
120 6.9 5.3 7.9
236 26.5 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: 2.219 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038639.D

Acq: 16 Dec 2018 14:05

Instrument :

BNA_G

ClientSampleId :

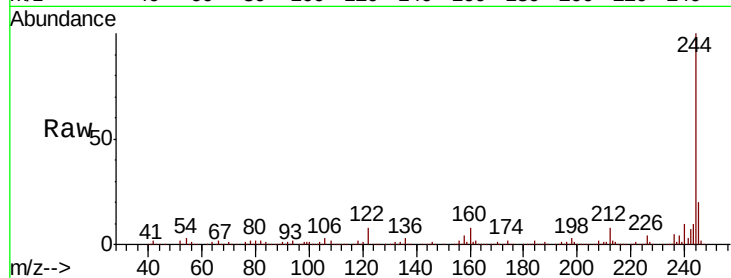
Tot Ion:184 Resp: 10068

Ion Ratio Lower Upper

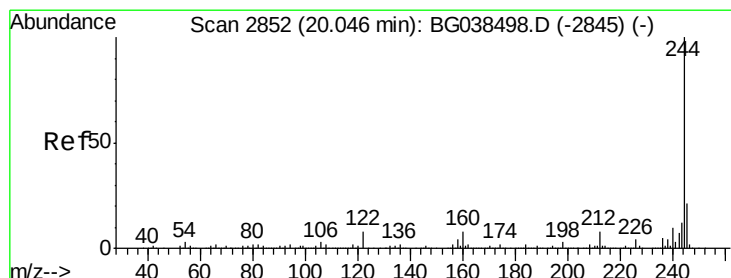
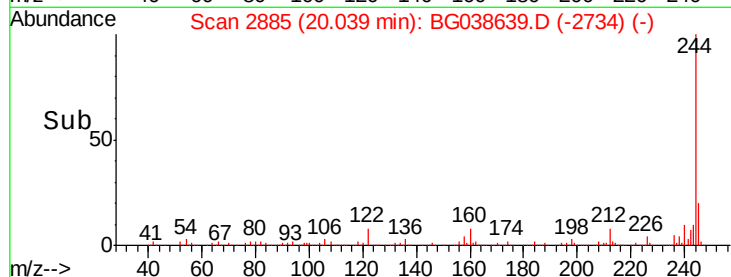
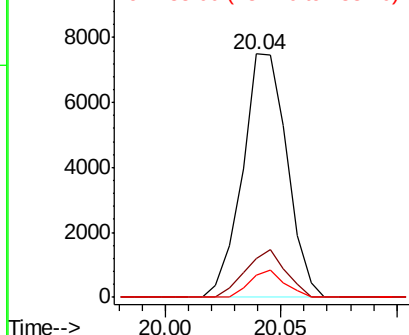
184 100

185 16.1 12.2 18.2

183 9.2 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: 81.333 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038639.D

Acq: 16 Dec 2018 14:05

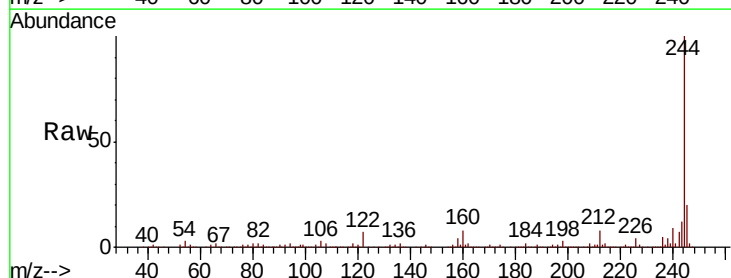
Tgt Ion:244 Resp: 573444

Ion Ratio Lower Upper

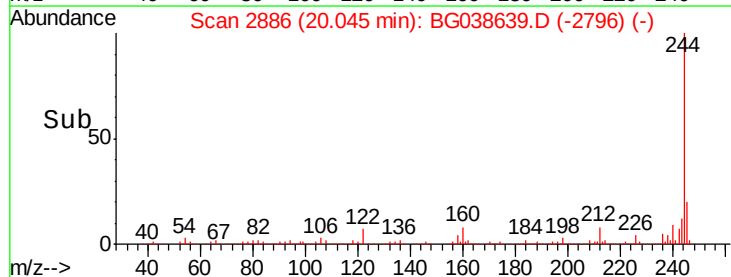
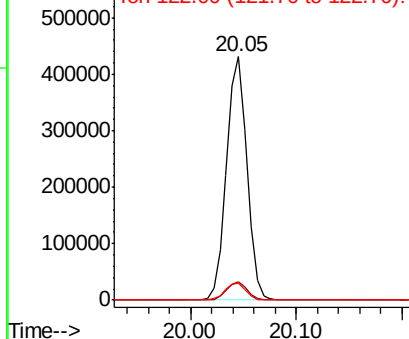
244 100

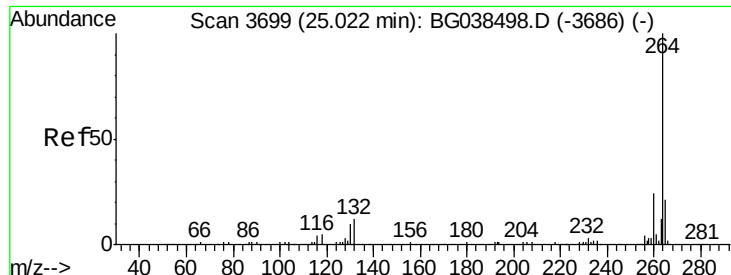
212 7.7 6.2 9.2

122 7.0 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

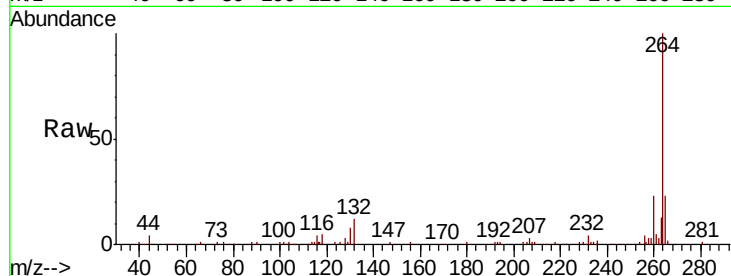




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.02 min Scan# 3733
 Delta R.T. -0.00 min
 Lab File: BG038639.D
 Acq: 16 Dec 2018 14:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	161459
Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.9	28.3
265	23.1	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

