

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121618\
 Data File : BG038644.D
 Acq On : 16 Dec 2018 17:24
 Operator : JU/SJ
 Sample : J6391-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 05:51:23 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

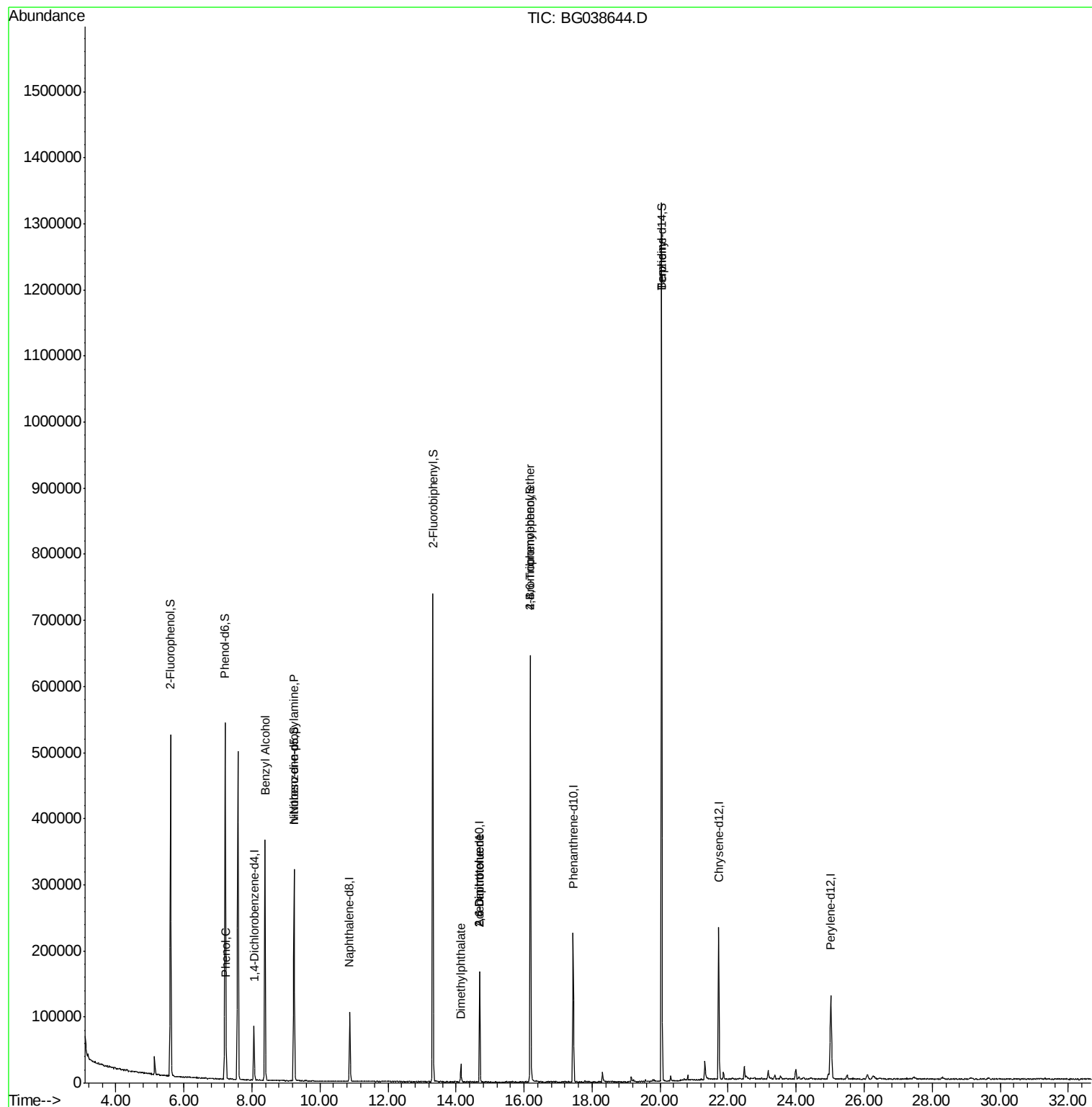
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	23340	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	92288	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	61644	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	149535	20.00	ng	0.00
76) Chrysene-d12	21.72	240	149080	20.00	ng	0.00
87) Perylene-d12	25.02	264	156986	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	216829	164.77	ng	0.00
7) Phenol-d6	7.21	99	296236	163.98	ng	0.00
23) Nitrobenzene-d5	9.24	82	195660	108.31	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	123812	145.74	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	406593	90.48	ng	0.00
79) Terphenyl-d14	20.05	244	652423	95.24	ng	0.00
Target Compounds						
10) Phenol	7.24	94	14669	7.643	ng	94
15) Benzyl Alcohol	8.38	79	3008	2.133	ng	# 59
19) n-Nitroso-di-n-propylamine	9.24	70	27441	21.628	ng	# 71
50) Dimethylphthalate	14.14	163	20642	4.100	ng	98
51) 2,6-Dinitrotoluene	14.69	165	7788	6.827	ng	# 21
57) 2,4-Dinitrotoluene	14.69	165	7788	4.847	ng	# 23
67) 4-Bromophenyl-phenylether	16.19	248	8343	4.568	ng	# 1
77) Benzidine	20.05	184	11216	2.544	ng	# 93

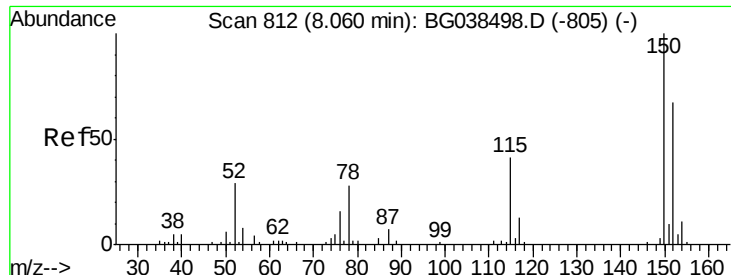
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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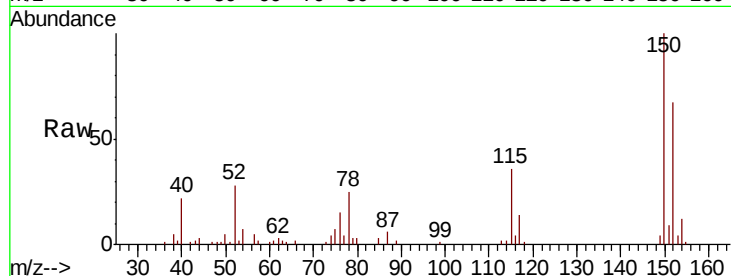


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. 0.00 min
Lab File: BG038644.D
Acq: 16 Dec 2018 17:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.4	119.5	179.3
115	54.0	49.6	74.4

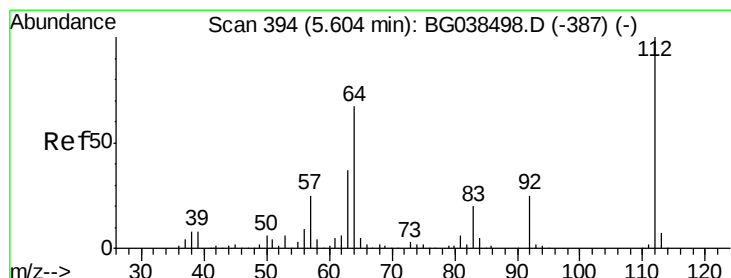
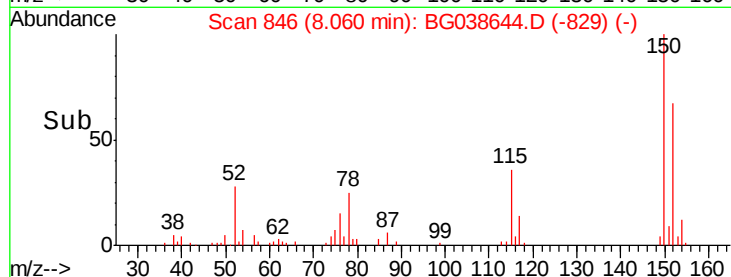
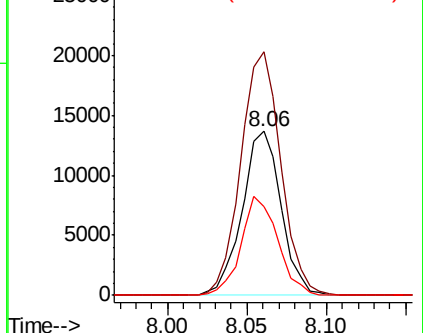


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

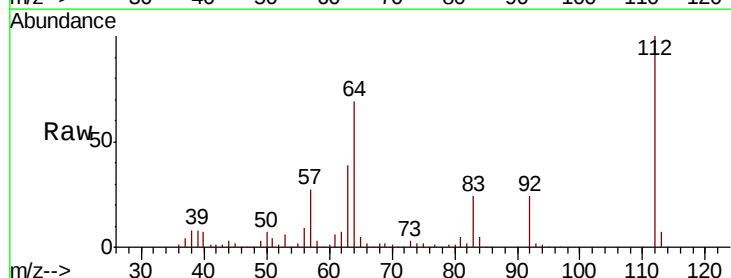
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 164.773 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038644.D
Acq: 16 Dec 2018 17:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.7	53.4	80.2
63	39.4	29.3	43.9

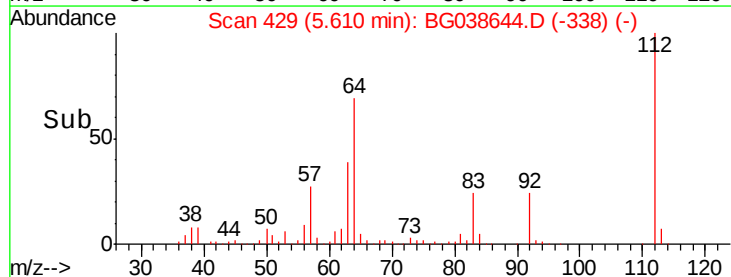
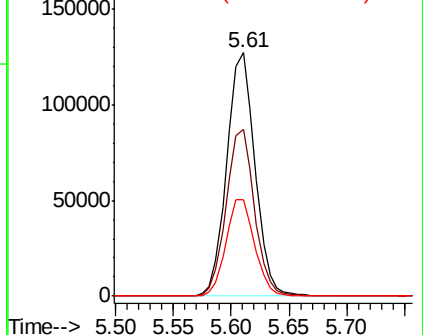


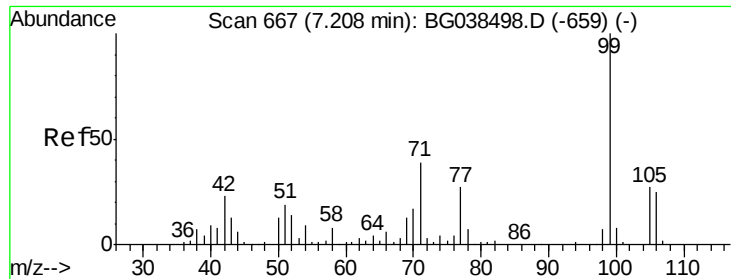
Abundance

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: 163.982 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038644.D

Acq: 16 Dec 2018 17:24

Instrument :

BNA_G

ClientSampleId :

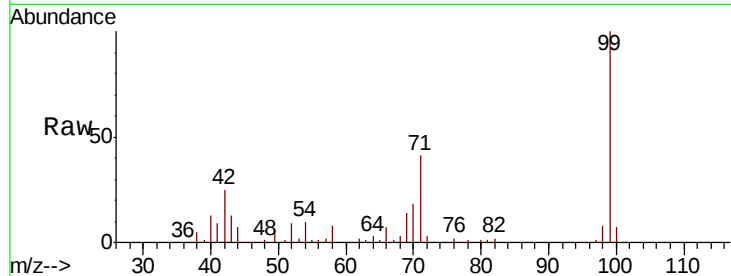
Tot Ion: 99 Resp: 296236

Ion Ratio Lower Upper

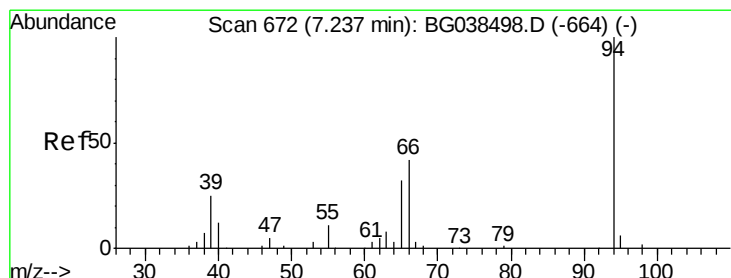
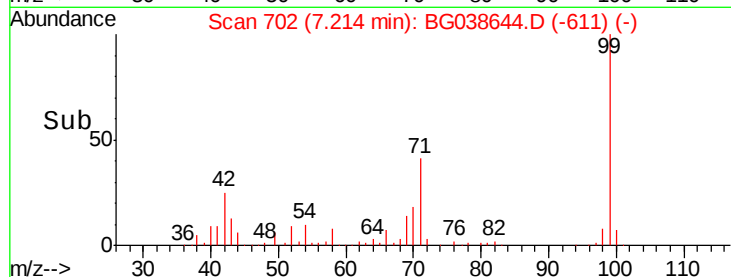
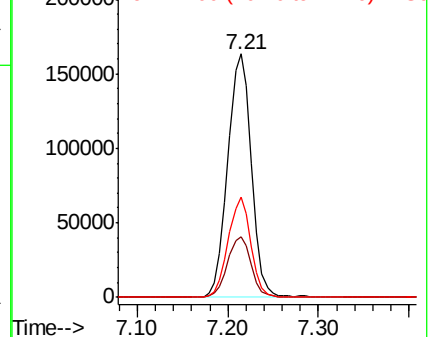
99 100

42 24.7 18.5 27.7

71 41.1 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



#10

Phenol

Concen: 7.643 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG038644.D

Acq: 16 Dec 2018 17:24

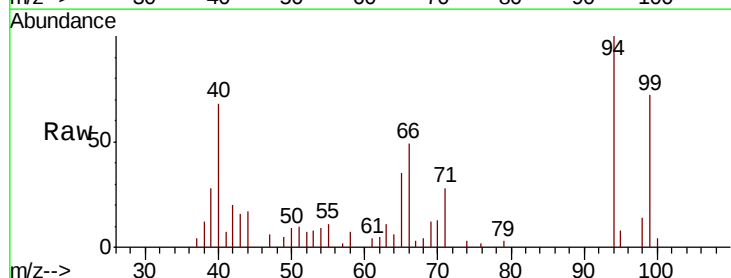
Tgt Ion: 94 Resp: 14669

Ion Ratio Lower Upper

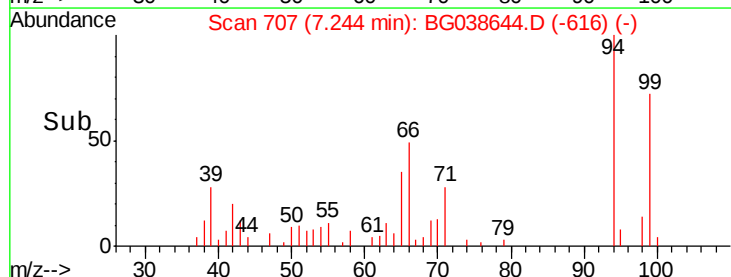
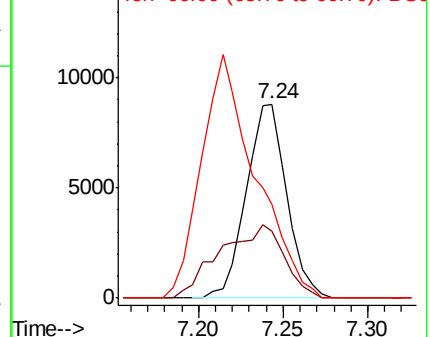
94 100

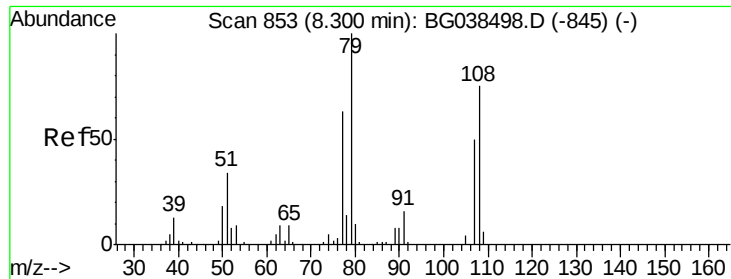
65 34.8 12.6 52.6

66 48.6 24.1 64.1



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.133 ng

RT: 8.38 min Scan# 900

Delta R.T. 0.08 min

Lab File: BG038644.D

Acq: 16 Dec 2018 17:24

Instrument :

BNA_G

ClientSampleId :

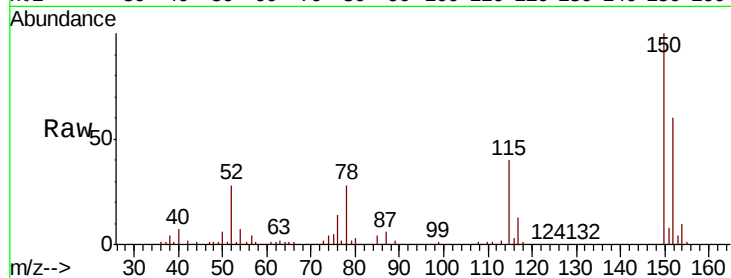
Tot Ion: 79 Resp: 3008

Ion Ratio Lower Upper

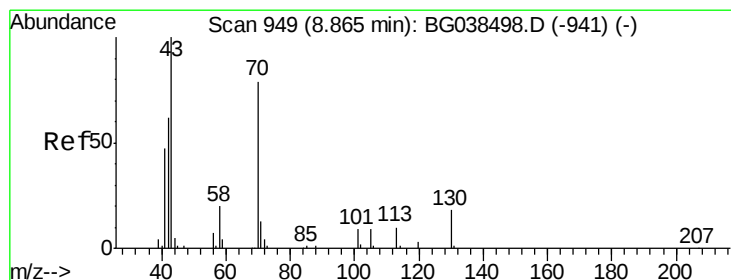
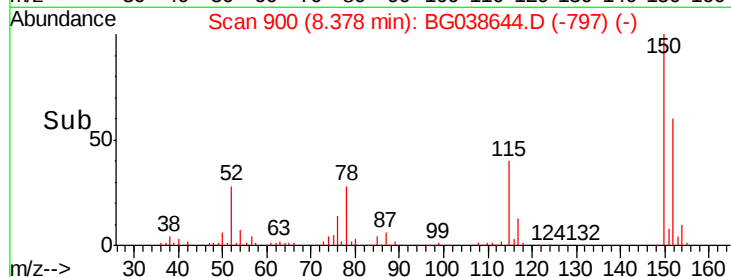
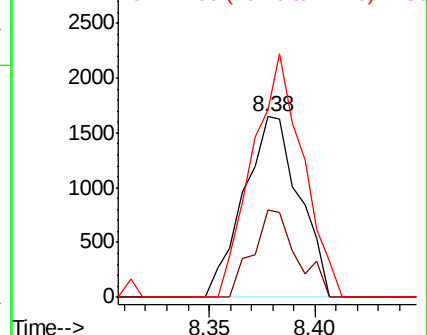
79 100

108 48.1 60.2 90.4#

77 103.7 50.7 76.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 21.628 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038644.D

Acq: 16 Dec 2018 17:24

Tgt Ion: 70 Resp: 27441

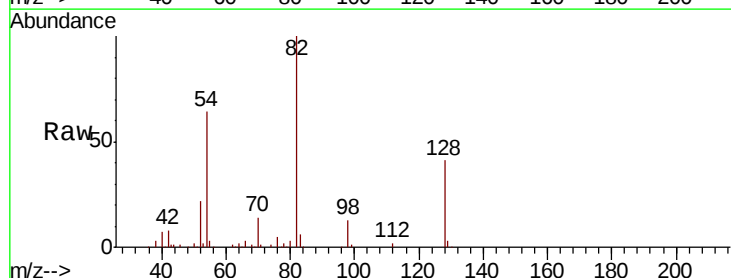
Ion Ratio Lower Upper

70 100

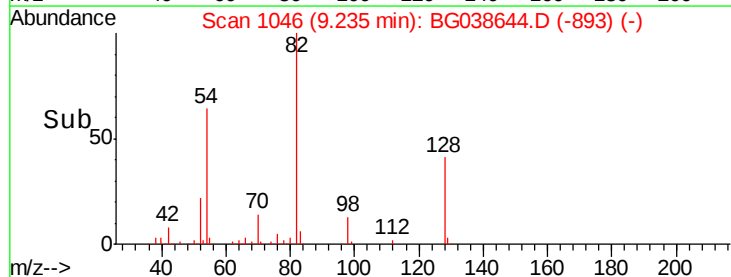
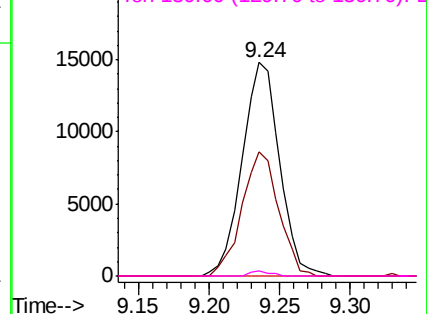
42 58.0 63.6 95.4#

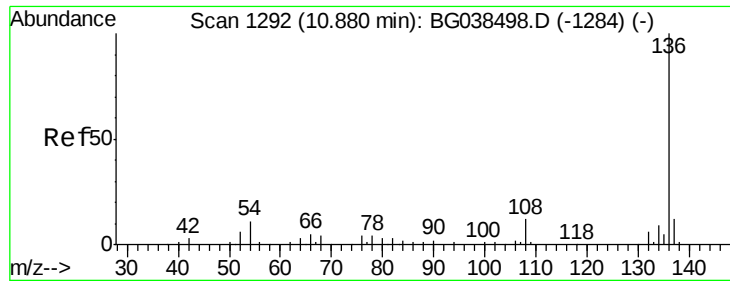
101 0.0 9.2 13.8#

130 2.6 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

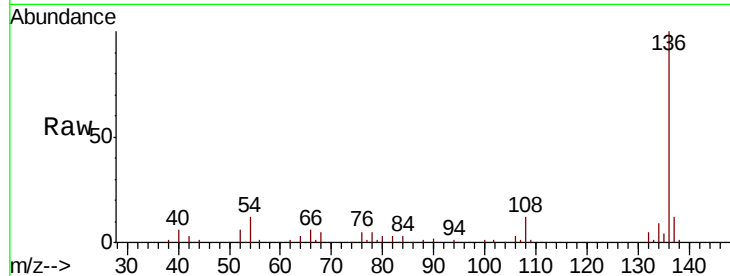




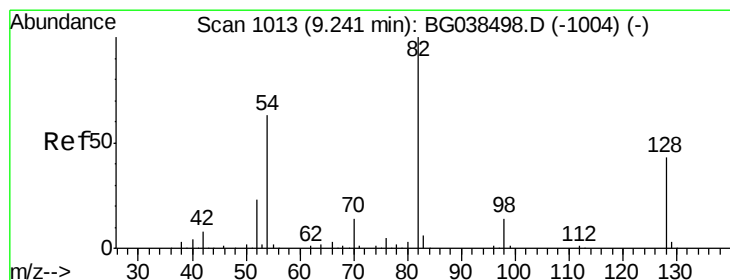
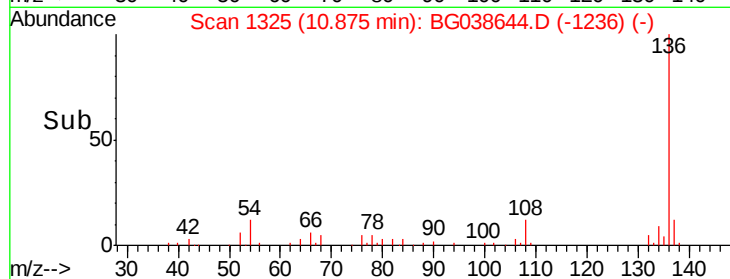
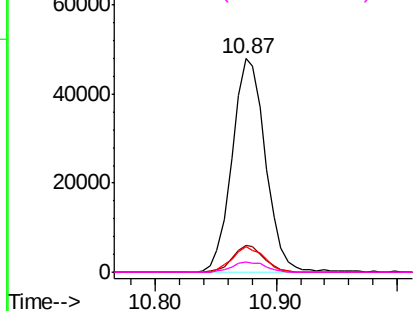
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038644.D
Acq: 16 Dec 2018 17:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	92288
Ion Ratio	Lower	Upper
136	100	
137	12.5	9.3 13.9
54	12.3	8.5 12.7
68	5.0	3.5 5.3

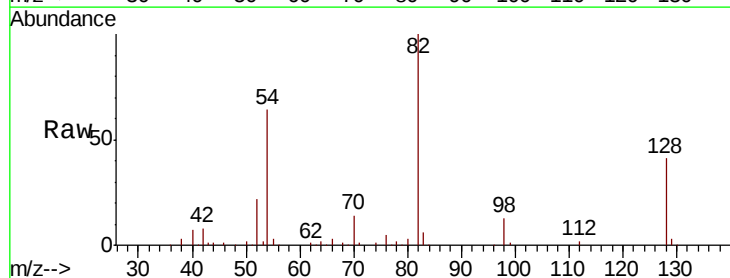


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

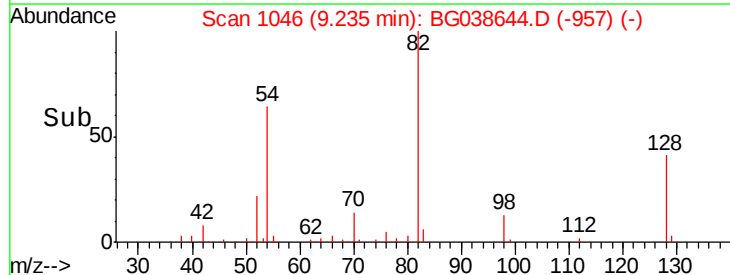
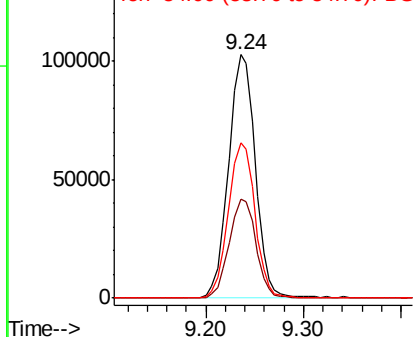


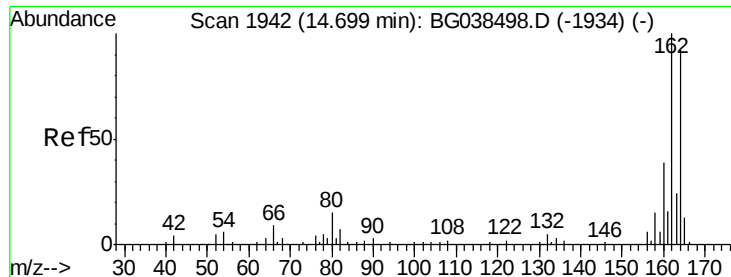
#23
Nitrobenzene-d5
Concen: 108.310 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038644.D
Acq: 16 Dec 2018 17:24

Tgt Ion: 82	Resp:	195660
Ion Ratio	Lower	Upper
82	100	
128	40.8	34.6 52.0
54	64.0	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: BG038644.D

Acq: 16 Dec 2018 17:24

Instrument :

BNA_G

ClientSampleId :

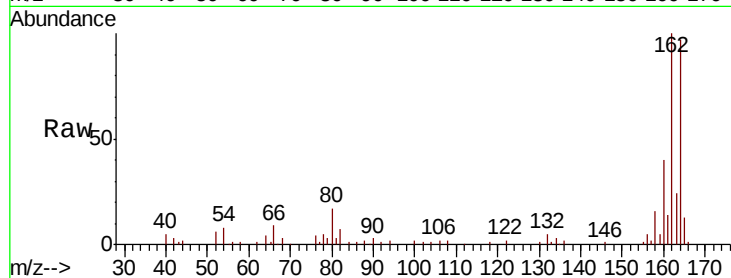
Tot Ion:164 Resp: 61644

Ion Ratio Lower Upper

164 100

162 102.7 86.6 130.0

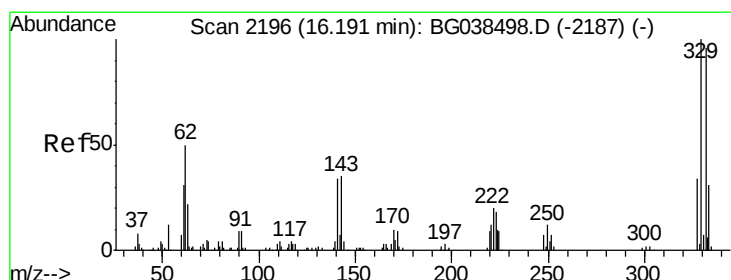
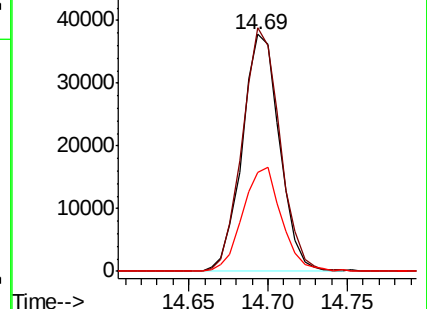
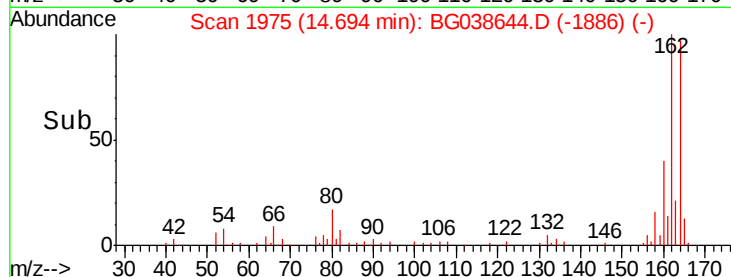
160 41.6 34.2 51.2



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: 145.736 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038644.D

Acq: 16 Dec 2018 17:24

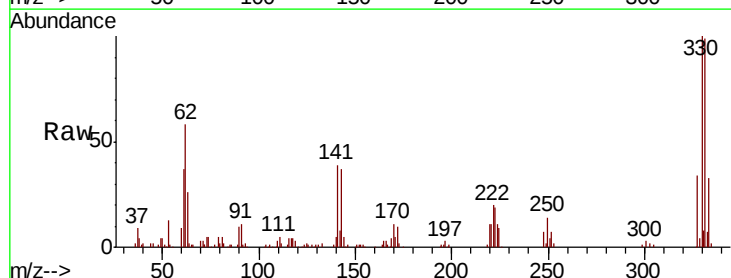
Tgt Ion:330 Resp: 123812

Ion Ratio Lower Upper

330 100

332 97.9 76.9 115.3

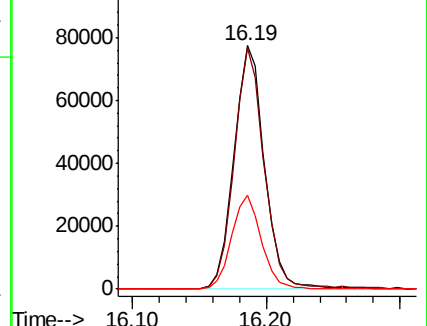
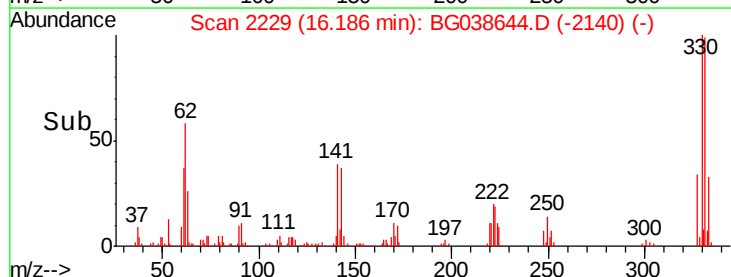
141 37.5 28.8 43.2

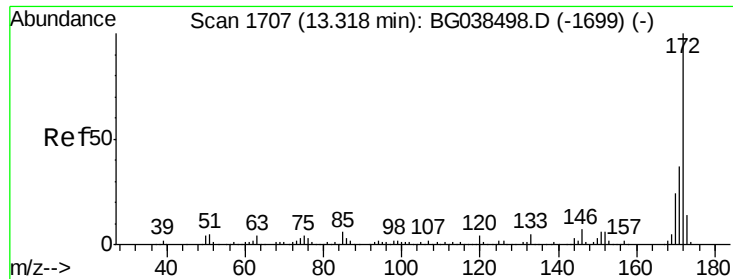


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

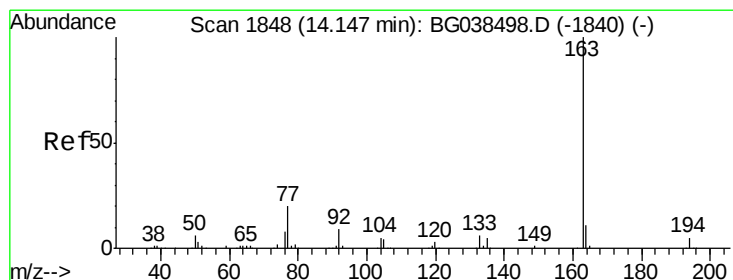
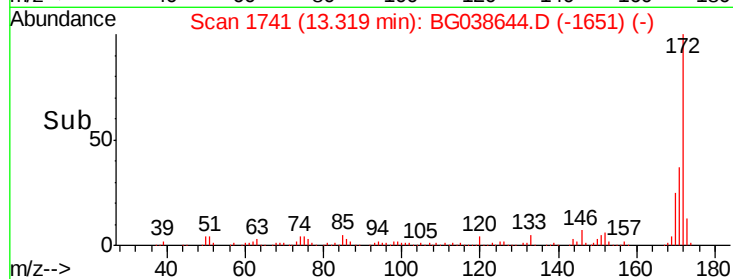
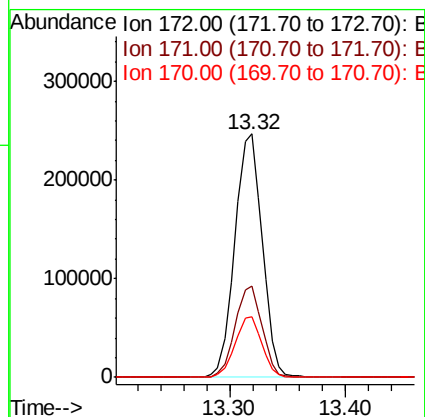
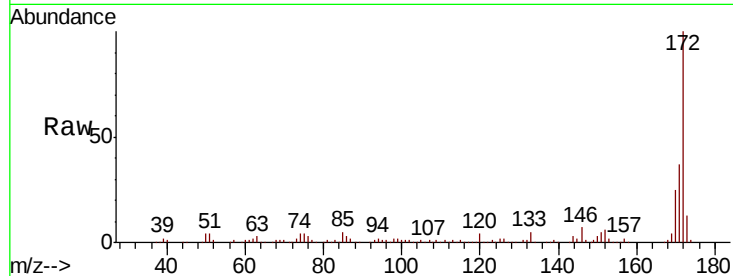




#45
 2-Fluorobiphenyl
 Concen: 90.485 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: BG038644.D
 Acq: 16 Dec 2018 17:24

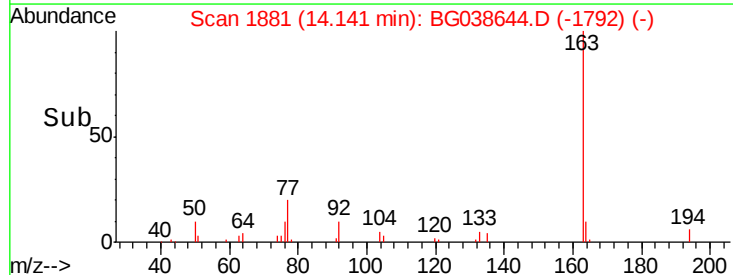
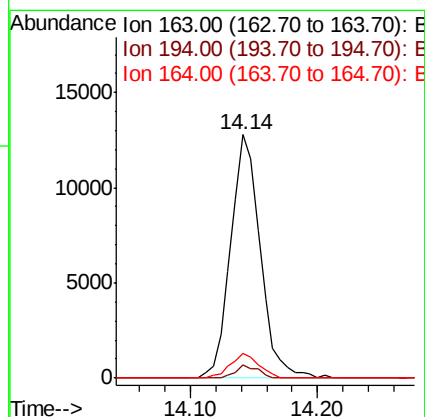
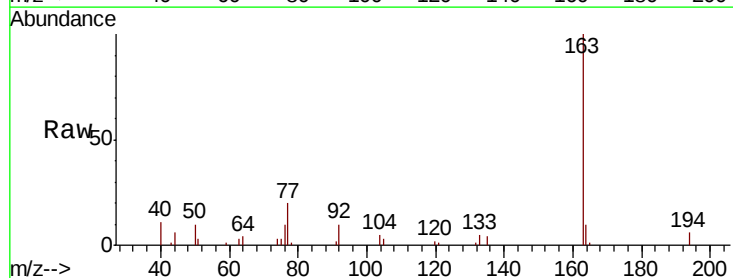
Instrument :
 BNA_G
 ClientSampleId :

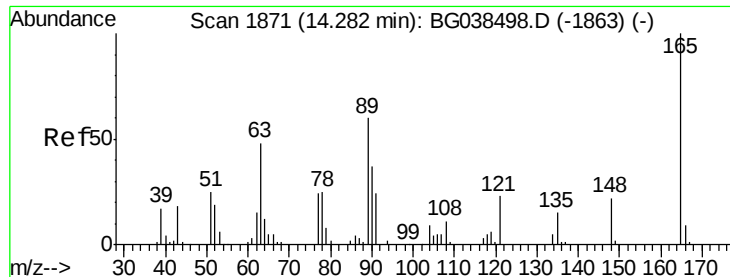
Tot Ion:172 Resp: 406593
 Ion Ratio Lower Upper
 172 100
 171 37.5 29.8 44.6
 170 24.8 19.5 29.3



#50
 Dimethylphthalate
 Concen: 4.100 ng
 RT: 14.14 min Scan# 1881
 Delta R.T. -0.01 min
 Lab File: BG038644.D
 Acq: 16 Dec 2018 17:24

Tgt Ion:163 Resp: 20642
 Ion Ratio Lower Upper
 163 100
 194 5.5 3.7 5.5
 164 10.0 8.6 12.8

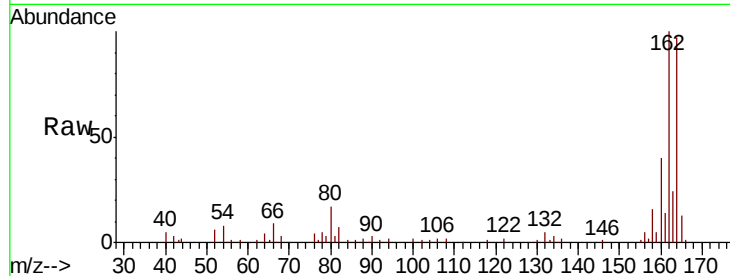




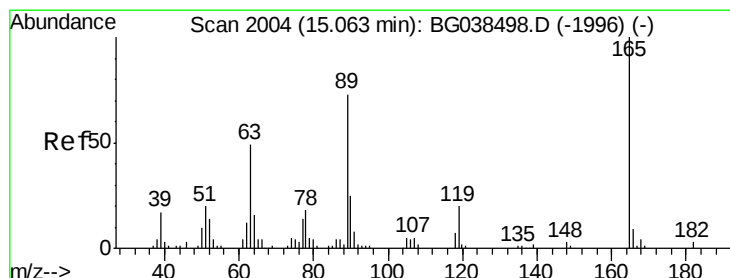
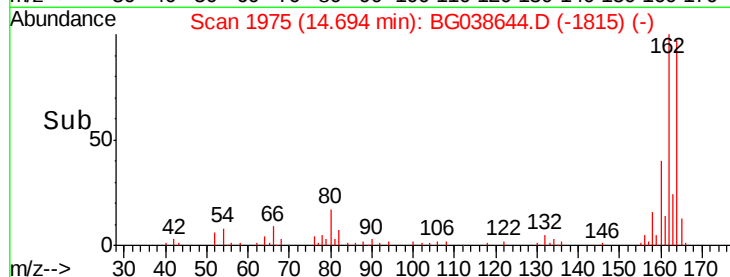
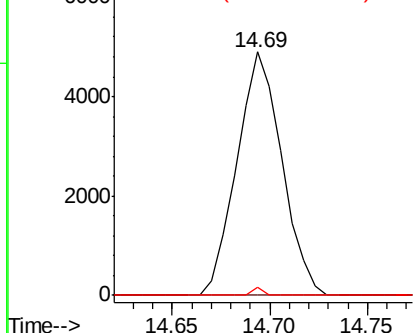
#51
 2,6-Dinitrotoluene
 Concen: 6.827 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038644.D
 Acq: 16 Dec 2018 17:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	3.4	47.9	71.9#



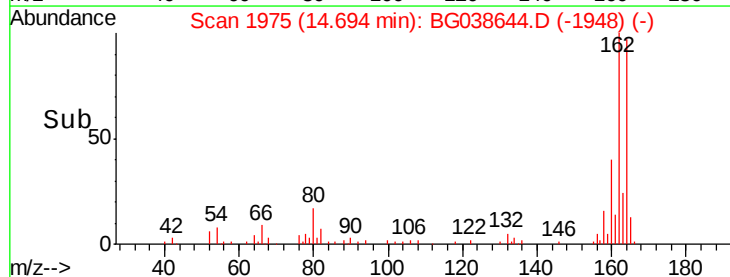
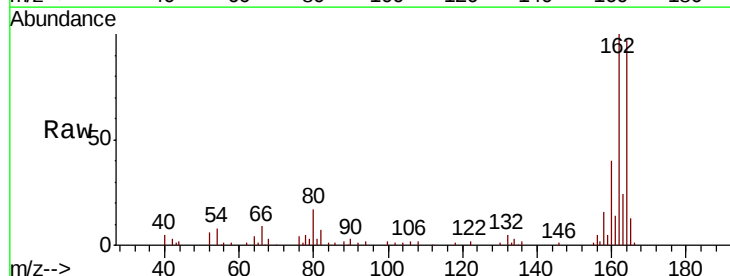
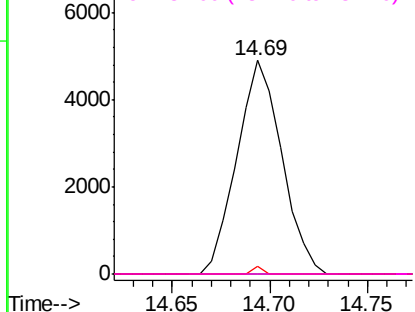
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

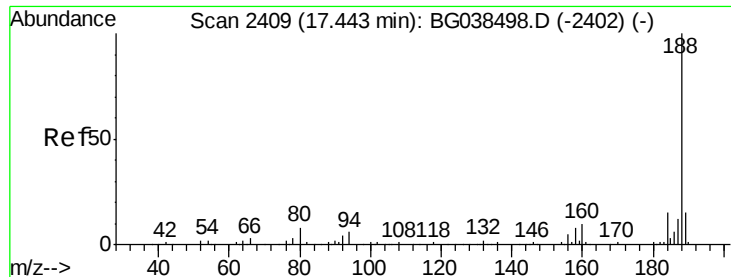


#57
 2,4-Dinitrotoluene
 Concen: 4.847 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038644.D
 Acq: 16 Dec 2018 17:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	3.4	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

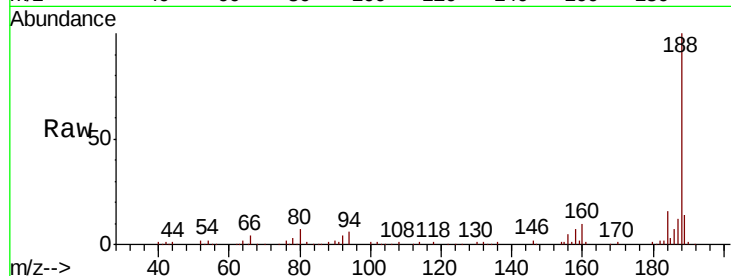




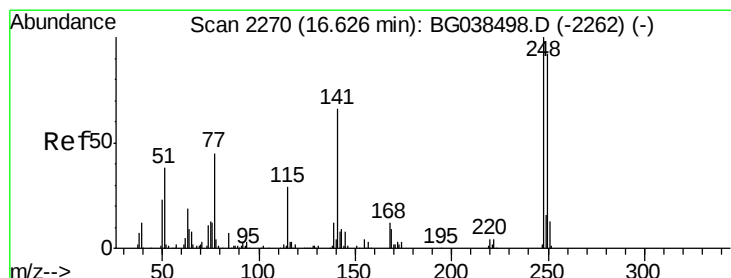
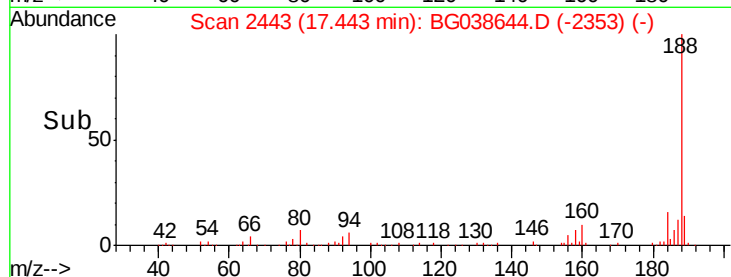
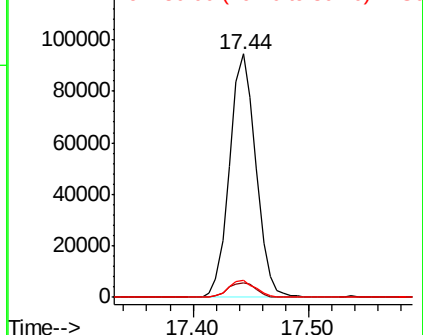
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. 0.00 min
Lab File: BG038644.D
Acq: 16 Dec 2018 17:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 149535
Ion Ratio Lower Upper
188 100
94 6.1 5.1 7.7
80 7.0 6.1 9.1

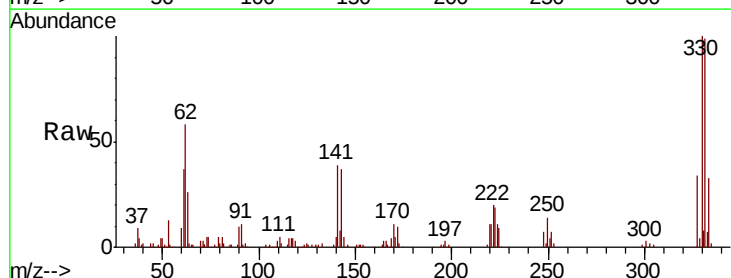


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

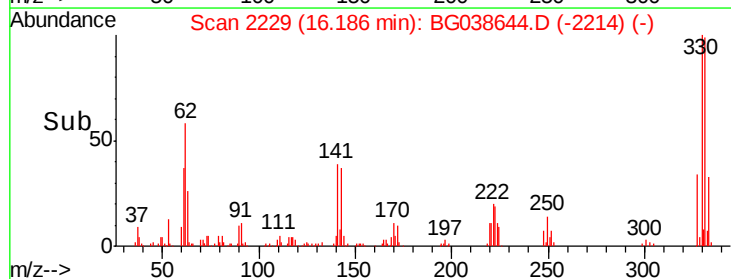
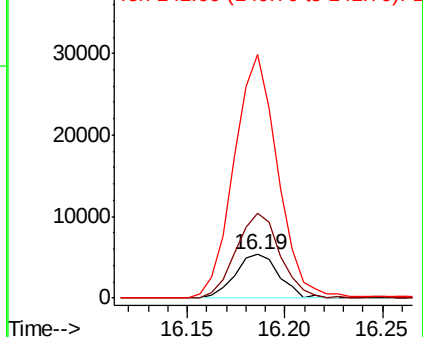


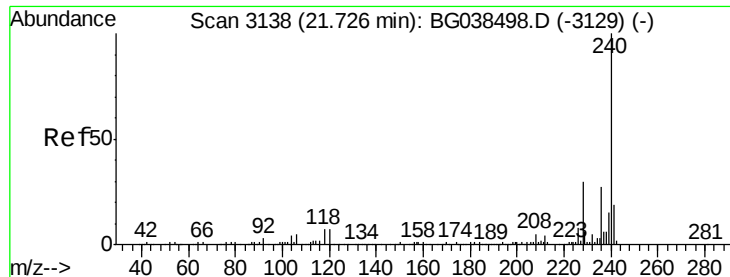
#67
4-Bromophenyl-phenylether
Concen: 4.568 ng
RT: 16.19 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038644.D
Acq: 16 Dec 2018 17:24

Tgt Ion:248 Resp: 8343
Ion Ratio Lower Upper
248 100
250 191.8 73.4 110.2#
141 425.5 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: BG038644.D

Acq: 16 Dec 2018 17:24

Instrument :

BNA_G

ClientSampled :

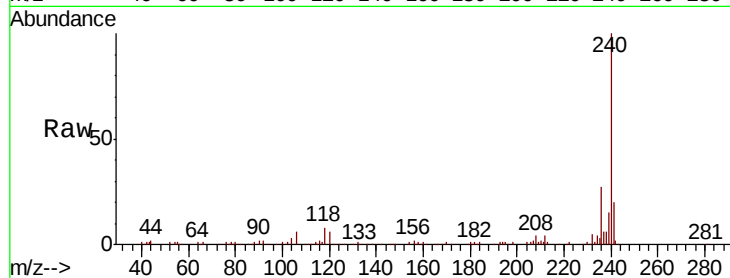
Tot Ion:240 Resp: 149080

Ion Ratio Lower Upper

240 100

120 6.5 5.3 7.9

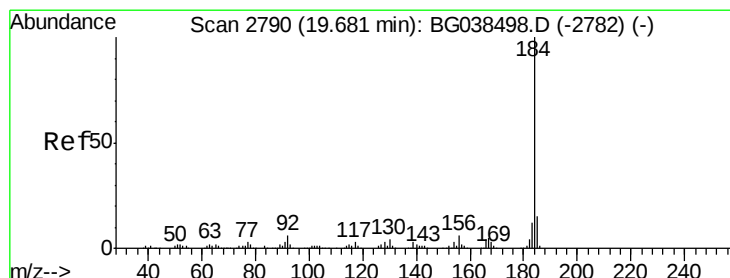
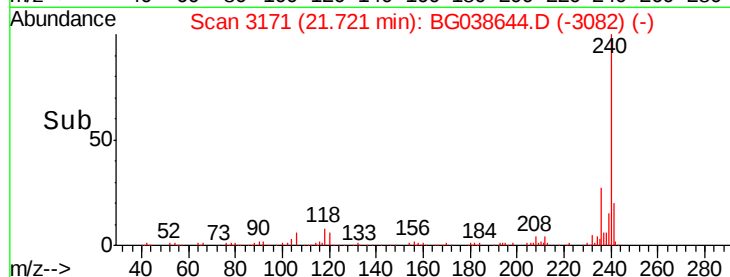
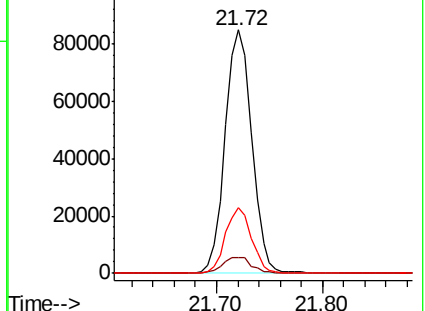
236 26.8 21.4 32.2



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: 2.544 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038644.D

Acq: 16 Dec 2018 17:24

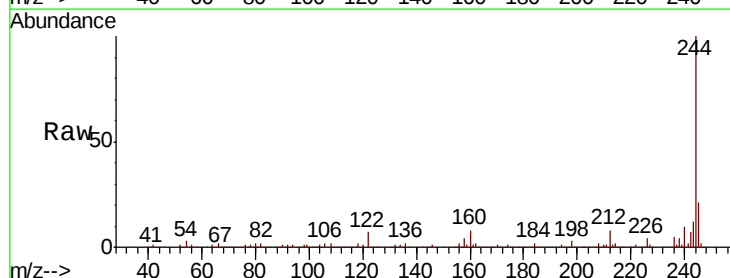
Tgt Ion:184 Resp: 11216

Ion Ratio Lower Upper

184 100

185 17.8 12.2 18.2

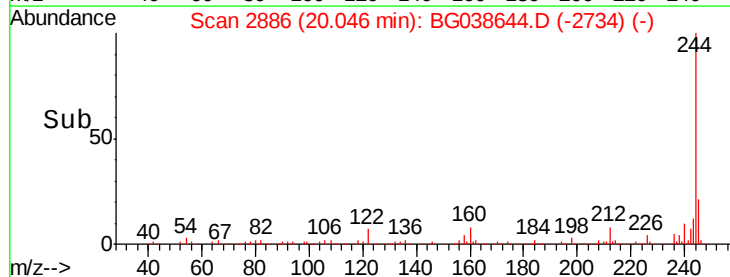
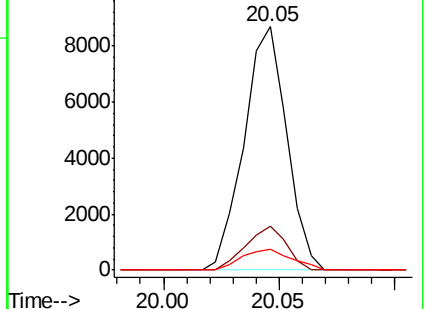
183 8.8 9.6 14.4#

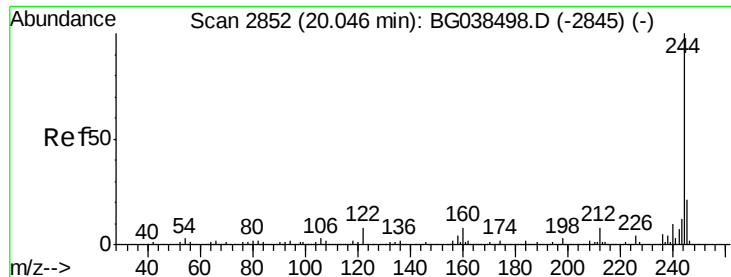


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 95.243 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038644.D

Acq: 16 Dec 2018 17:24

Instrument :

BNA_G

ClientSampleId :

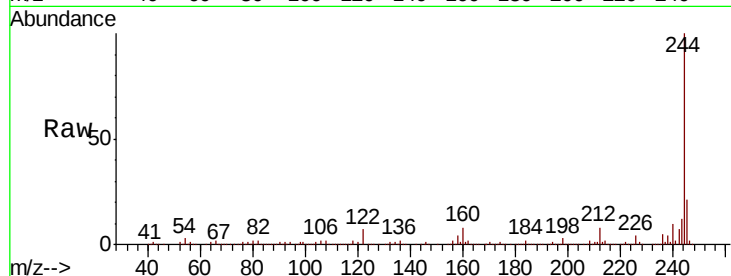
Tot Ion:244 Resp: 652423

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

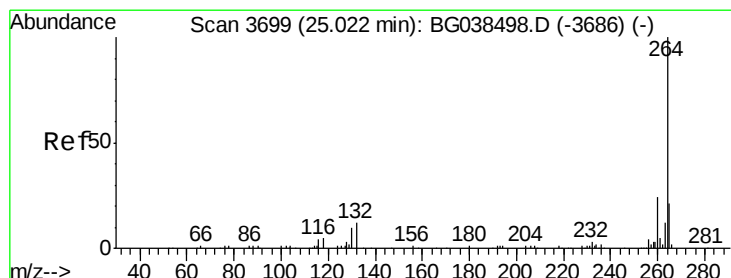
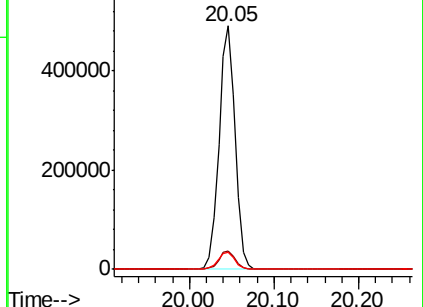
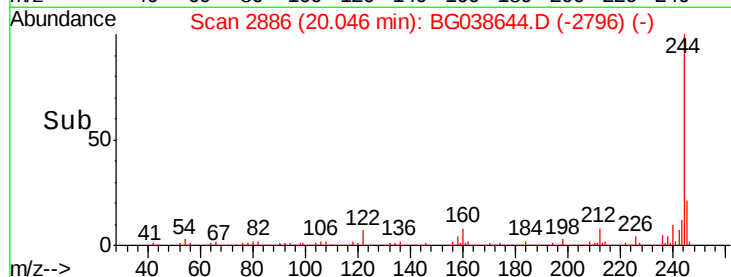
122 7.0 6.3 9.5



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

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG038644.D

Acq: 16 Dec 2018 17:24

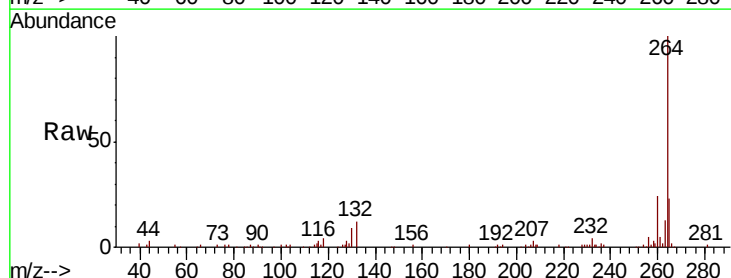
Tgt Ion:264 Resp: 156986

Ion Ratio Lower Upper

264 100

260 24.4 18.9 28.3

265 22.5 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

