

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121518\
 Data File : BG038628.D
 Acq On : 16 Dec 2018 6:49
 Operator : JU/SJ
 Sample : J6386-07
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 02:29:35 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

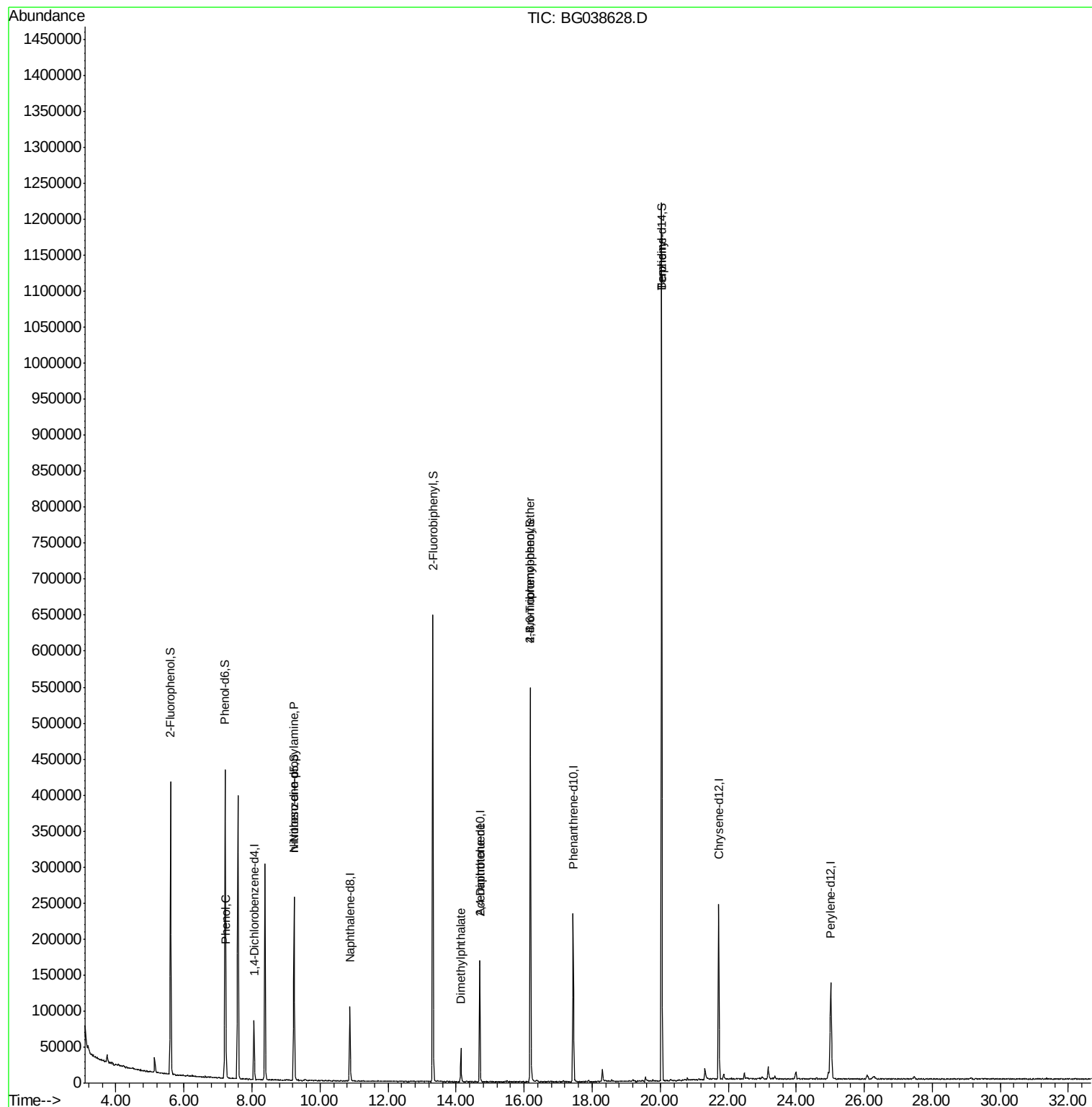
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	22966	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	92394	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	61064	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	152800	20.00	ng	0.00
76) Chrysene-d12	21.72	240	154190	20.00	ng	0.00
87) Perylene-d12	25.01	264	163107	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	170782	131.89	ng	0.00
7) Phenol-d6	7.21	99	233857	131.56	ng	0.00
23) Nitrobenzene-d5	9.23	82	153506	84.88	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	108342	128.74	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	346142	77.76	ng	0.00
79) Terphenyl-d14	20.04	244	602457	85.03	ng	0.00
Target Compounds						
10) Phenol	7.24	94	12925	6.844	ng	92
19) n-Nitroso-di-n-propylamine	9.24	70	20634	16.527	ng	# 67
50) Dimethylphthalate	14.14	163	33105	6.639	ng	98
57) 2,4-Dinitrotoluene	14.70	165	7738	4.862	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	6954	3.726	ng	# 1
77) Benzidine	20.04	184	10456	2.293	ng	# 92

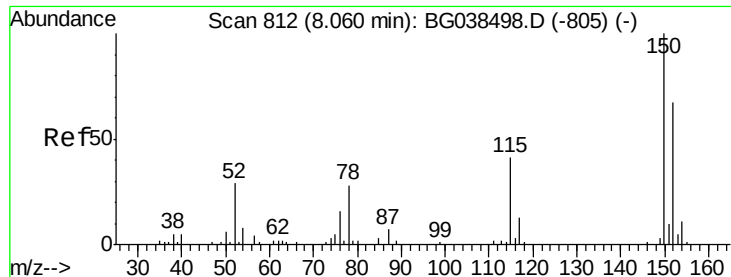
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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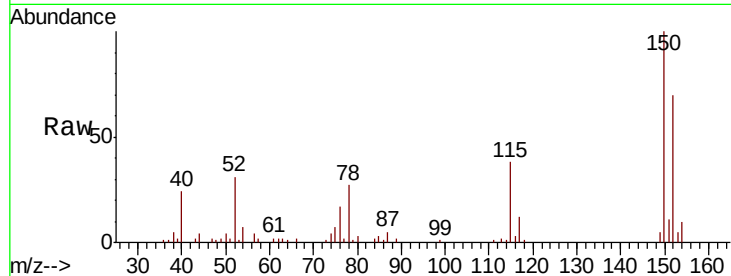


#1

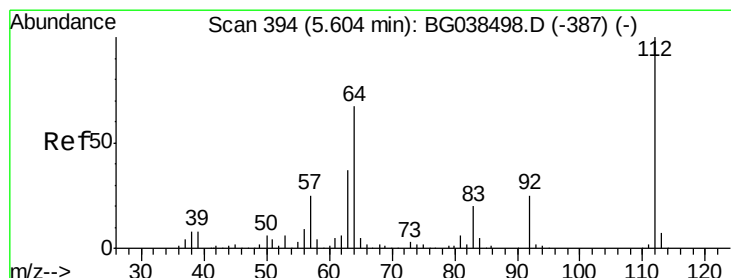
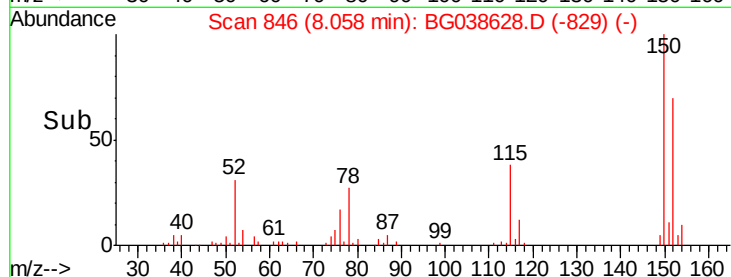
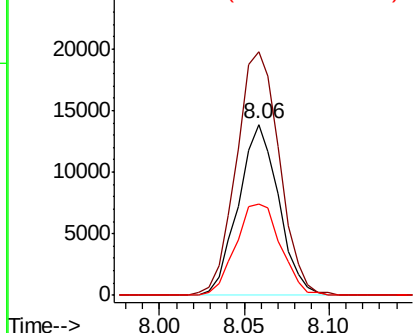
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038628.D
Acq: 16 Dec 2018 6:49

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 22966
Ion Ratio Lower Upper
152 100
150 142.7 119.5 179.3
115 53.6 49.6 74.4



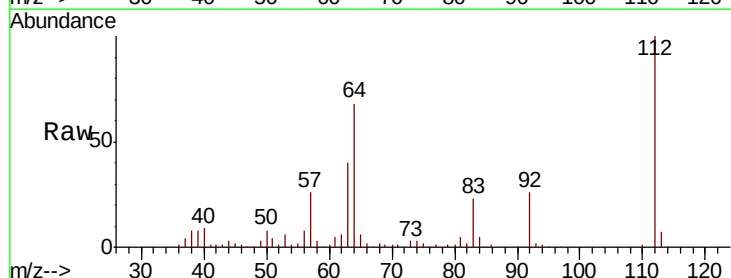
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



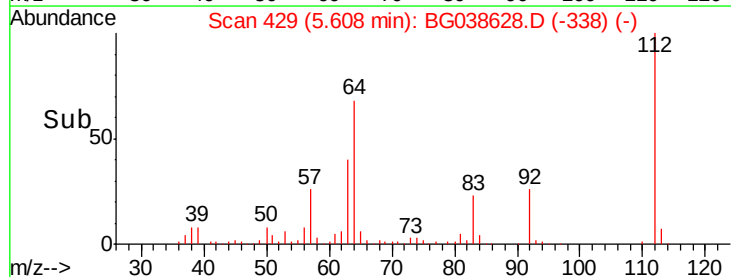
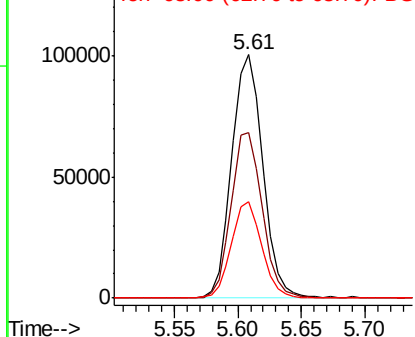
#5

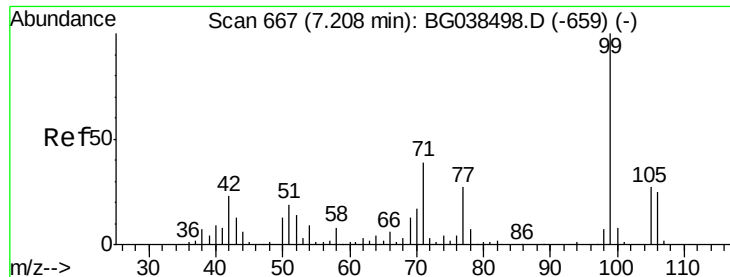
2-Fluorophenol
Concen: 131.894 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038628.D
Acq: 16 Dec 2018 6:49

Tgt Ion:112 Resp: 170782
Ion Ratio Lower Upper
112 100
64 67.9 53.4 80.2
63 39.7 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: 131.560 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038628.D

Acq: 16 Dec 2018 6:49

Instrument :

BNA_G

ClientSampleId :

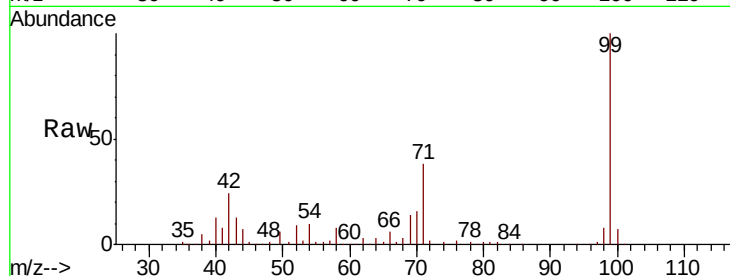
Tot Ion: 99 Resp: 233857

Ion Ratio Lower Upper

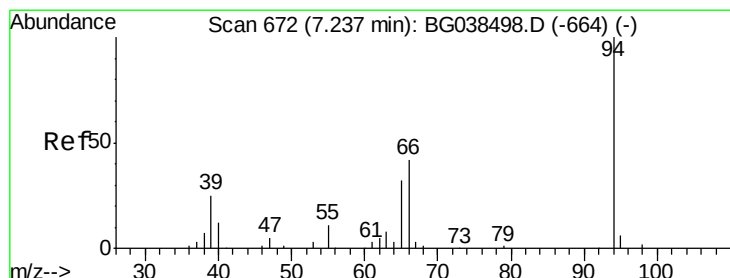
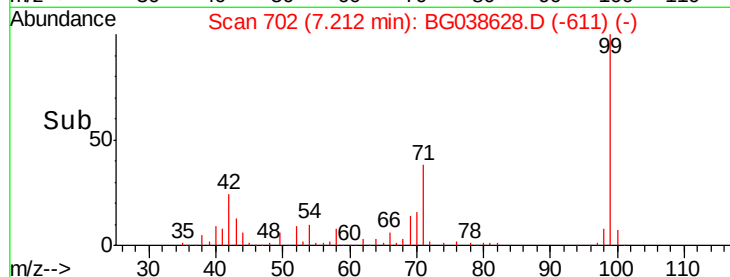
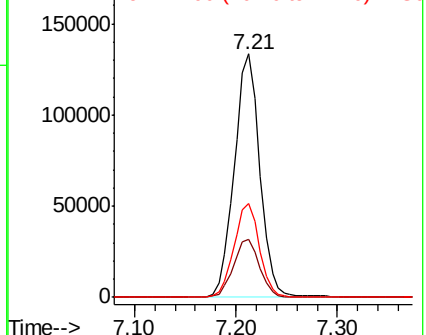
99 100

42 23.7 18.5 27.7

71 38.5 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: 6.844 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG038628.D

Acq: 16 Dec 2018 6:49

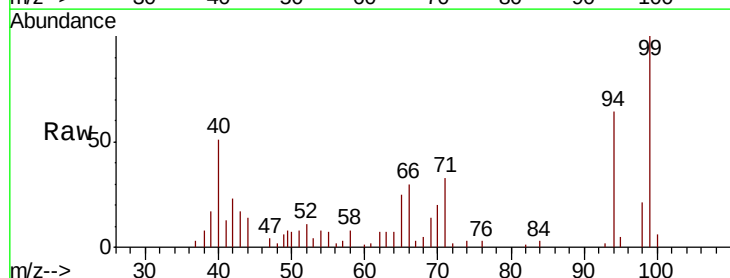
Tgt Ion: 94 Resp: 12925

Ion Ratio Lower Upper

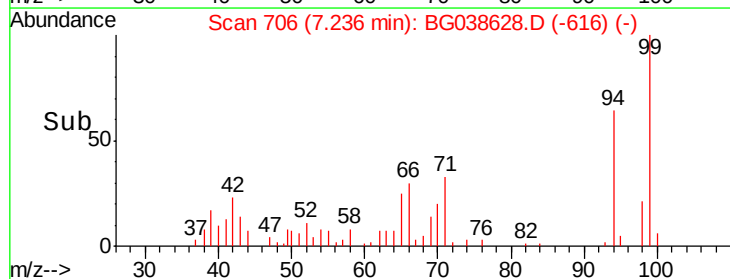
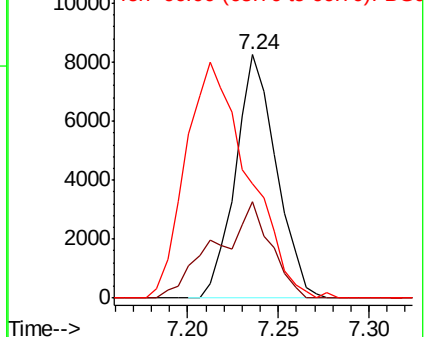
94 100

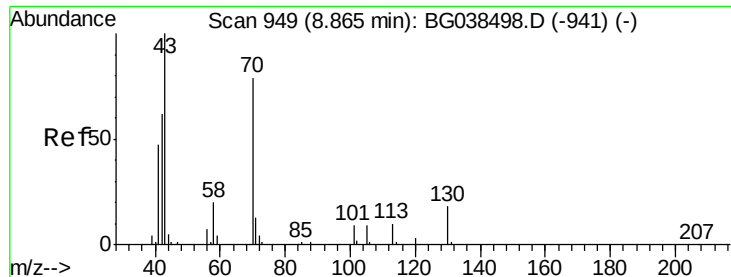
65 39.7 12.6 52.6

66 47.2 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

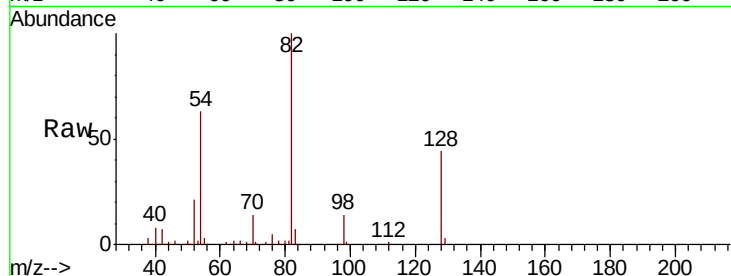




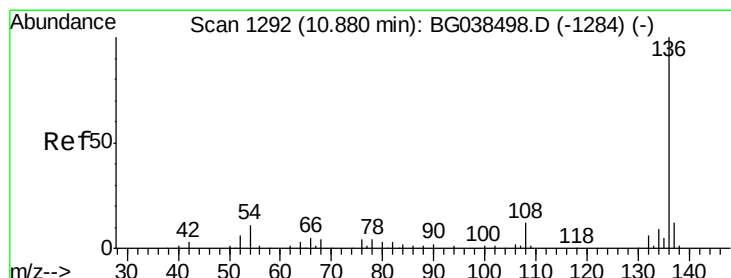
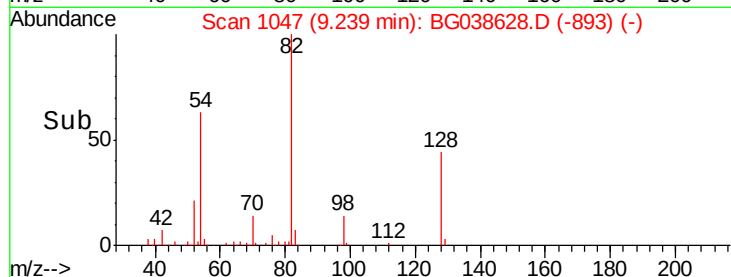
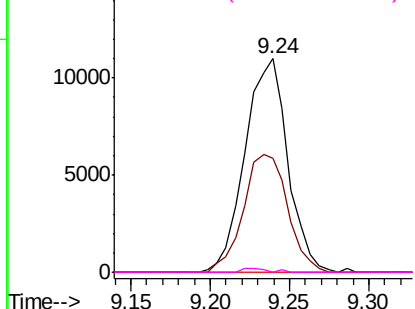
#19
n-Nitroso-di-n-propylamine
Concen: 16.527 ng
RT: 9.24 min Scan# 1047
Delta R.T. 0.37 min
Lab File: BG038628.D
Acq: 16 Dec 2018 6:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 20634
Ion Ratio Lower Upper
70 100
42 53.3 63.6 95.4#
101 0.0 9.2 13.8#
130 0.0 18.5 27.7#

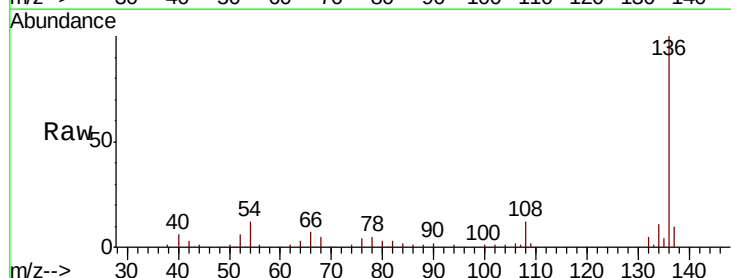


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

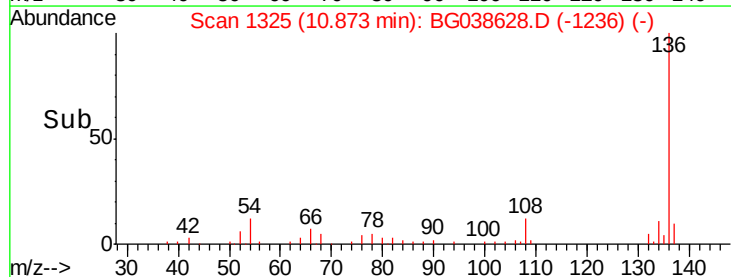
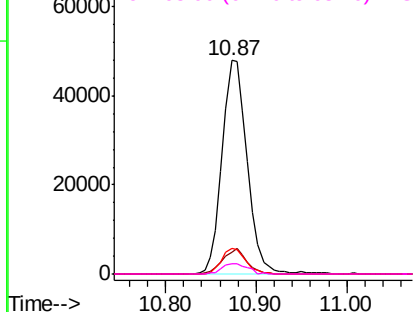


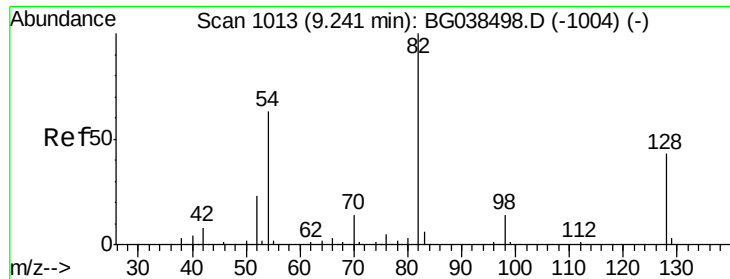
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038628.D
Acq: 16 Dec 2018 6:49

Tgt Ion: 136 Resp: 92394
Ion Ratio Lower Upper
136 100
137 10.4 9.3 13.9
54 12.3 8.5 12.7
68 4.7 3.5 5.3



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





#23

Nitrobenzene-d5

Concen: 84.878 ng

RT: 9.23 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BG038628.D

Acq: 16 Dec 2018 6:49

Instrument :

BNA_G

ClientSampleId :

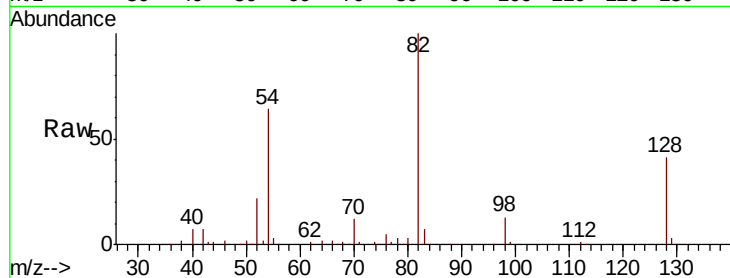
Tot Ion: 82 Resp: 153506

Ion Ratio Lower Upper

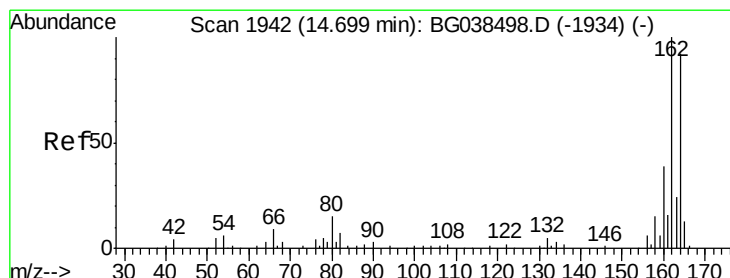
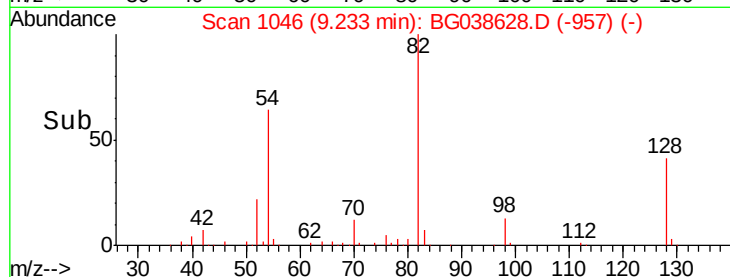
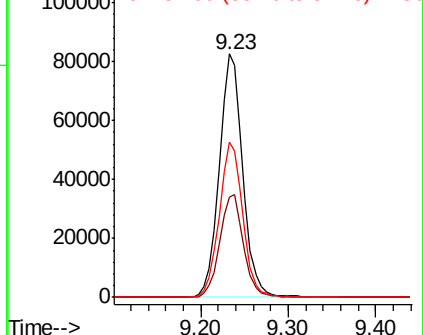
82 100

128 41.4 34.6 52.0

54 63.7 50.6 76.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038628.D

Acq: 16 Dec 2018 6:49

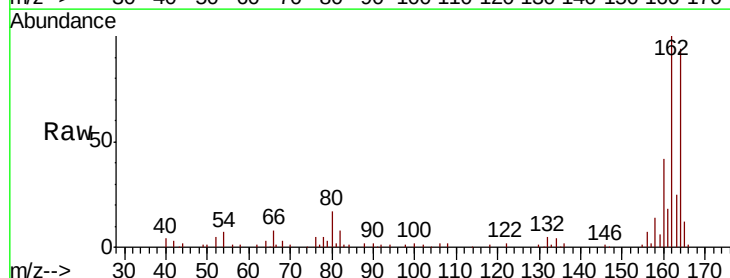
Tgt Ion: 164 Resp: 61064

Ion Ratio Lower Upper

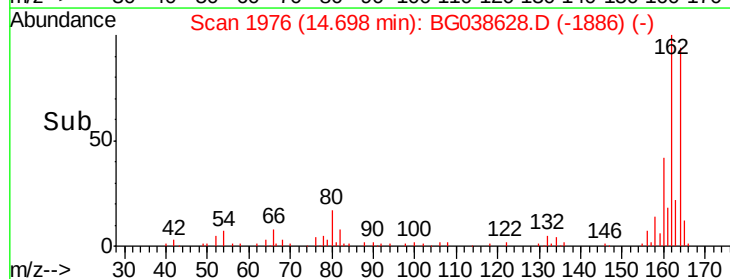
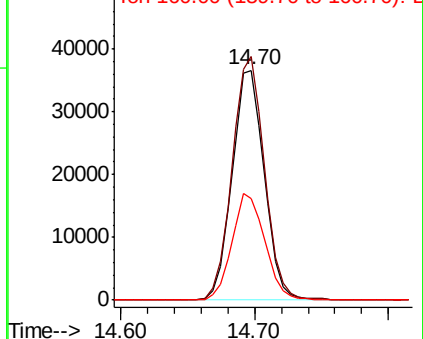
164 100

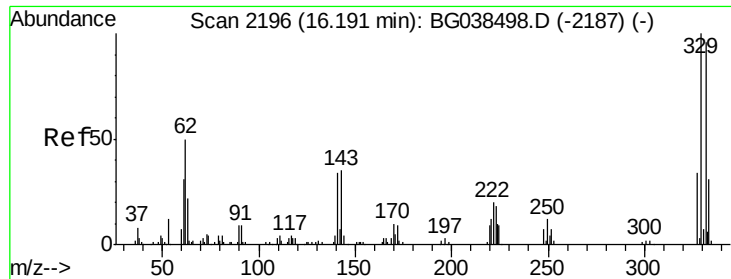
162 105.9 86.6 130.0

160 44.2 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

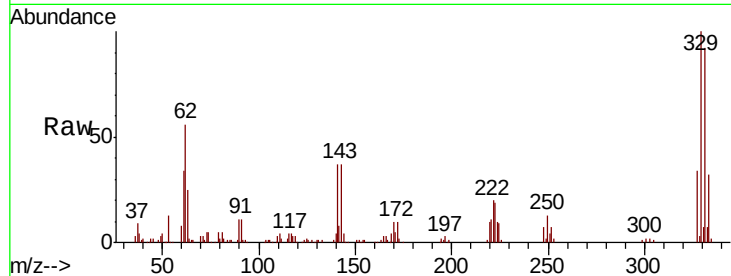




#42
 2,4,6-Tribromophenol
 Concen: 128.738 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BG038628.D
 Acq: 16 Dec 2018 6:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.9	115.3
141	36.9	28.8	43.2

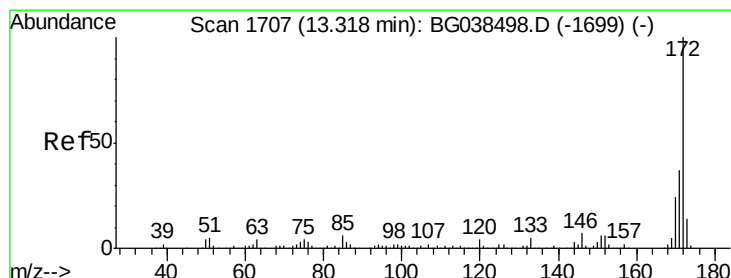
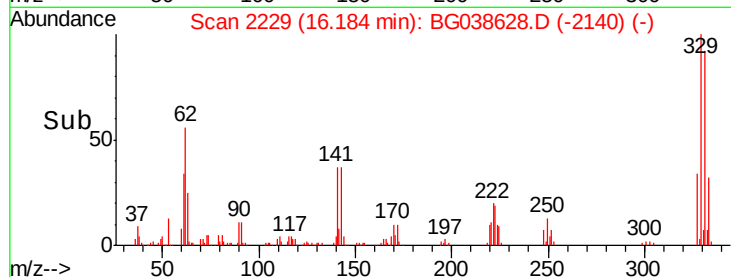
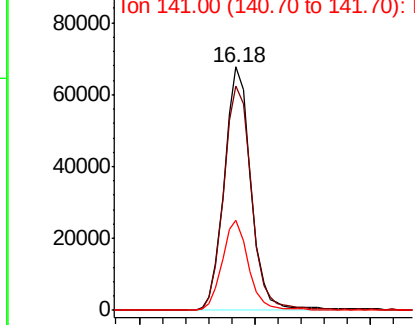


Abundance

Ion 329.80 (329.50 to 330.50): E

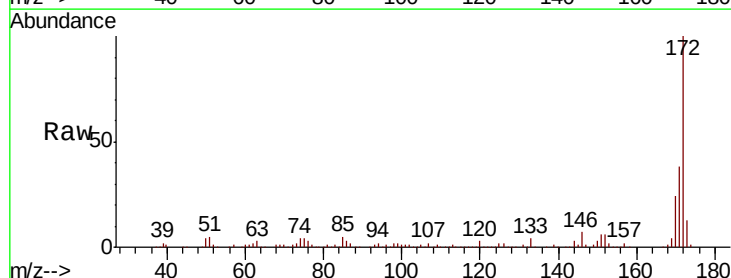
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 77.763 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038628.D
 Acq: 16 Dec 2018 6:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.8	44.6
170	24.1	19.5	29.3

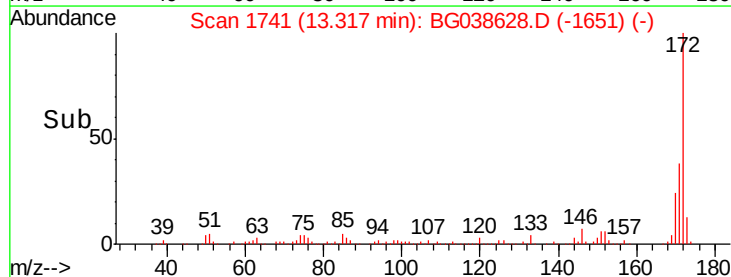
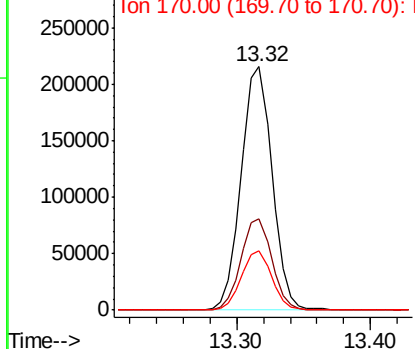


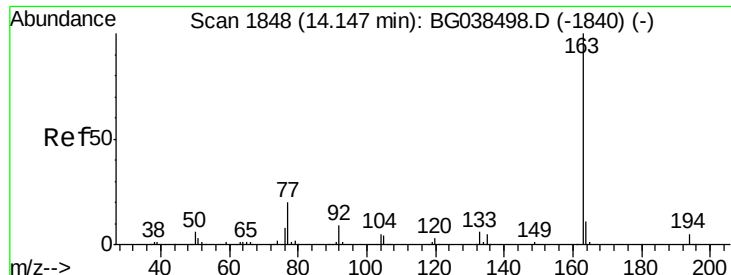
Abundance

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





#50

Dimethylphthalate

Concen: 6.639 ng

RT: 14.14 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BG038628.D

Acq: 16 Dec 2018 6:49

Instrument :

BNA_G

ClientSampleId :

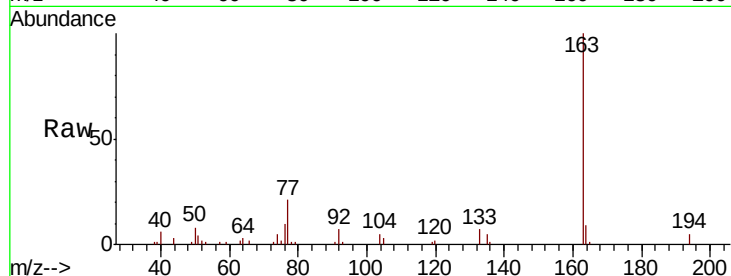
Tot Ion:163 Resp: 33105

Ion Ratio Lower Upper

163 100

194 4.5 3.7 5.5

164 9.4 8.6 12.8

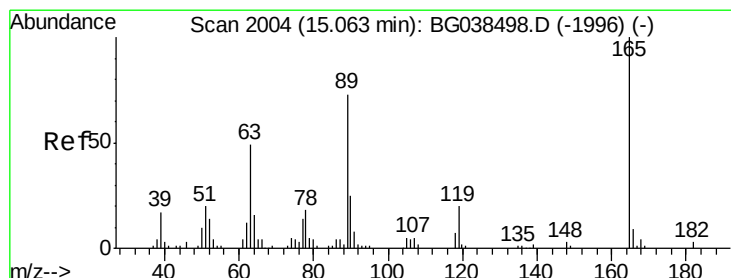
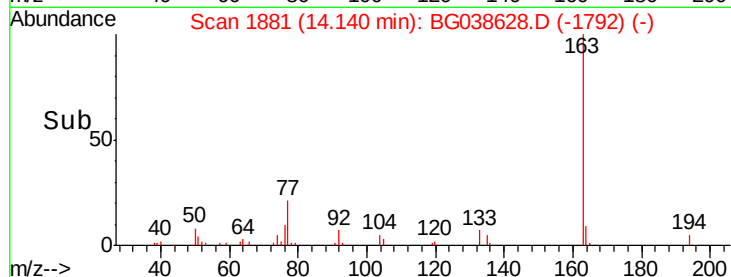
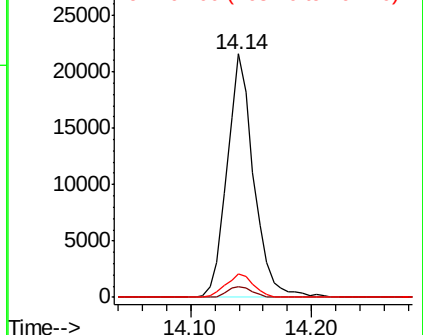


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 4.862 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.37 min

Lab File: BG038628.D

Acq: 16 Dec 2018 6:49

Tgt Ion:165 Resp: 7738

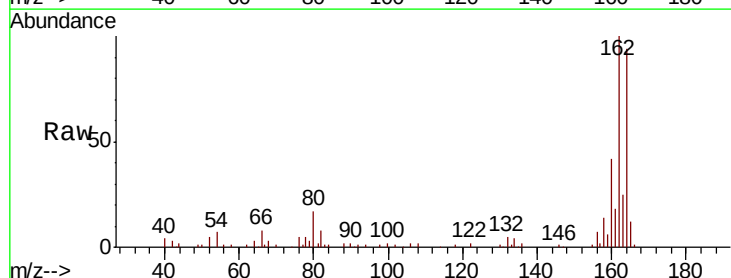
Ion Ratio Lower Upper

165 100

63 0.0 39.0 58.4#

89 0.0 58.0 87.0#

182 0.0 2.3 3.5#



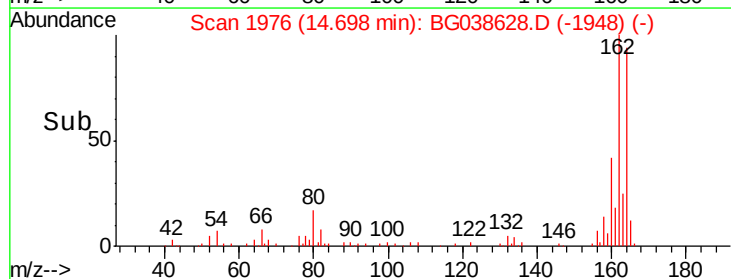
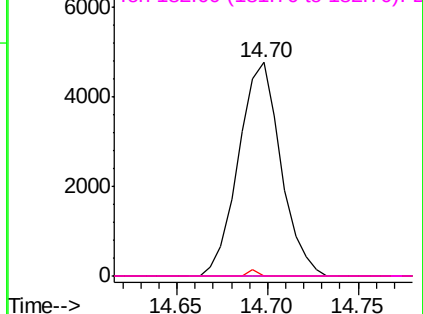
Abundance

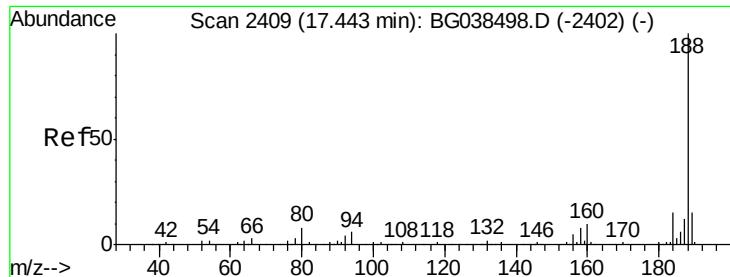
Ion 165.00 (164.70 to 165.70): E

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

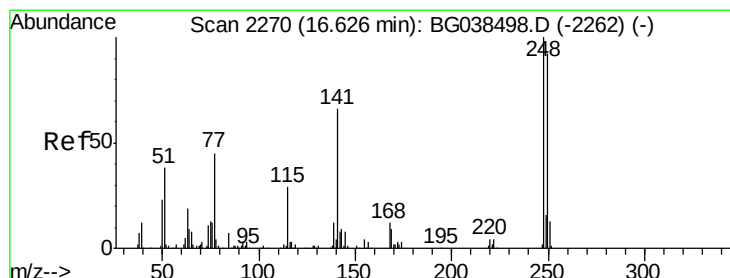
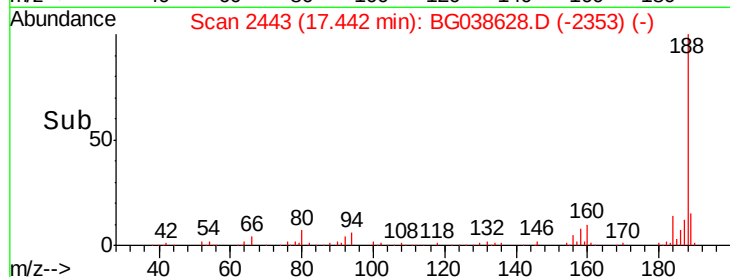
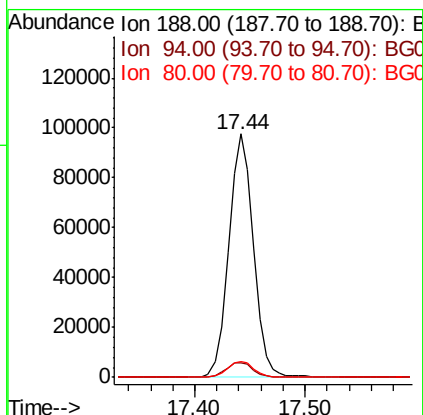
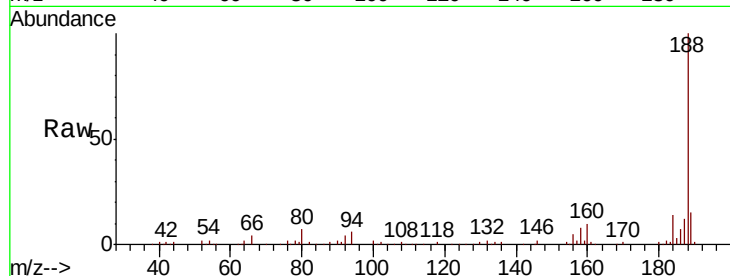




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038628.D
 Acq: 16 Dec 2018 6:49

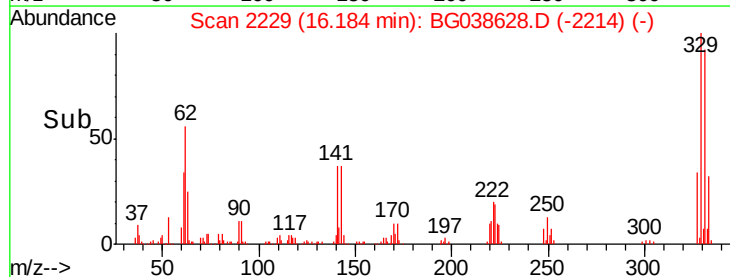
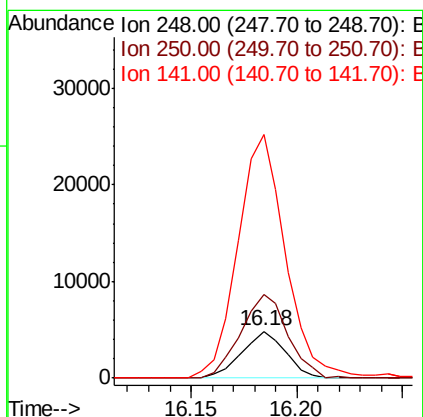
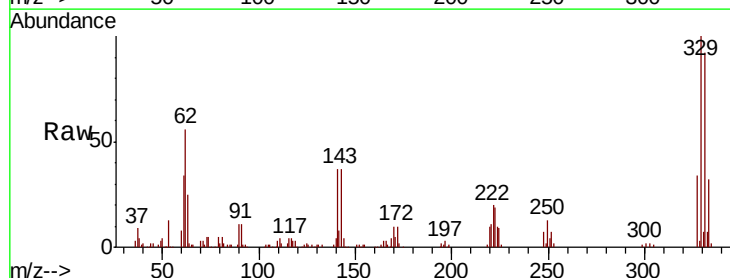
Instrument :
 BNA_G
 ClientSampleId :

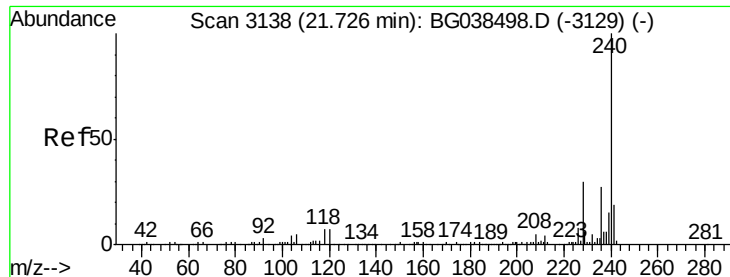
Tot Ion:188 Resp: 152800
 Ion Ratio Lower Upper
 188 100
 94 5.9 5.1 7.7
 80 6.6 6.1 9.1



#67
 4-Bromophenyl-phenylether
 Concen: 3.726 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038628.D
 Acq: 16 Dec 2018 6:49

Tgt Ion:248 Resp: 6954
 Ion Ratio Lower Upper
 248 100
 250 185.7 73.4 110.2#
 141 416.0 52.9 79.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.72 min Scan# 3171

Delta R.T. -0.01 min

Lab File: BG038628.D

Acq: 16 Dec 2018 6:49

Instrument :

BNA_G

ClientSampleId :

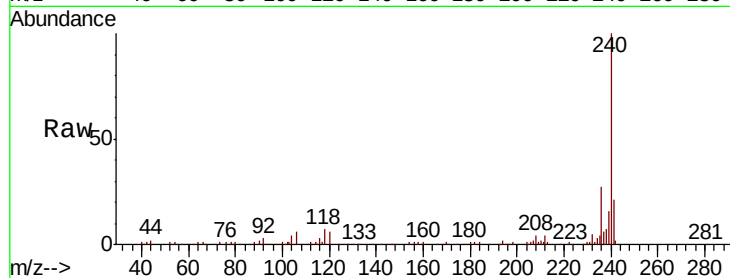
Tot Ion:240 Resp: 154190

Ion Ratio Lower Upper

240 100

120 6.3 5.3 7.9

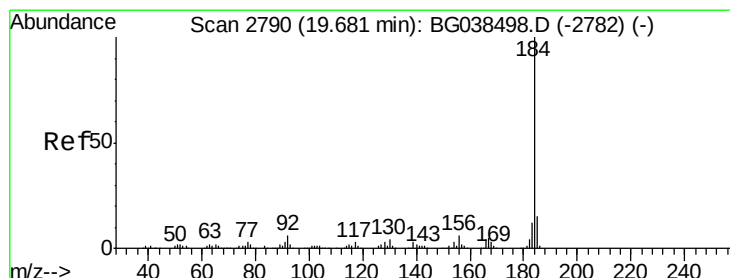
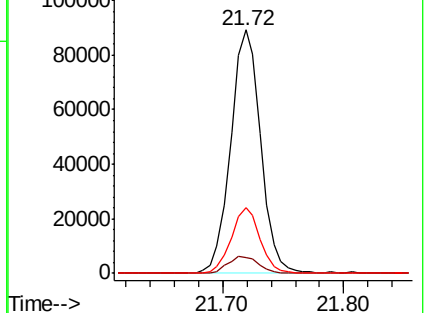
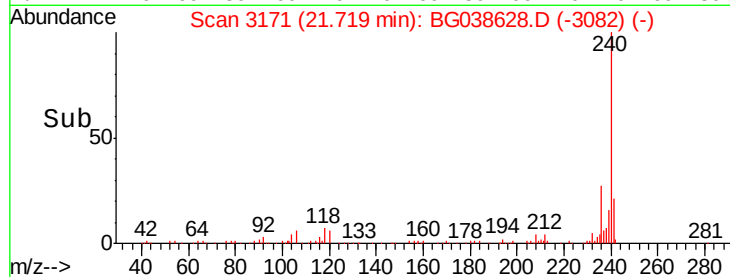
236 27.0 21.4 32.2



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: 2.293 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038628.D

Acq: 16 Dec 2018 6:49

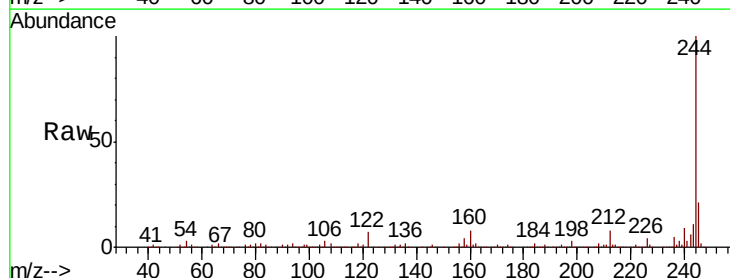
Tgt Ion:184 Resp: 10456

Ion Ratio Lower Upper

184 100

185 18.5 12.2 18.2#

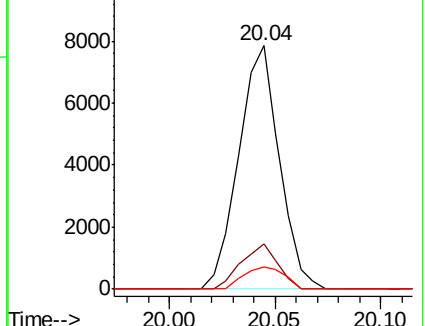
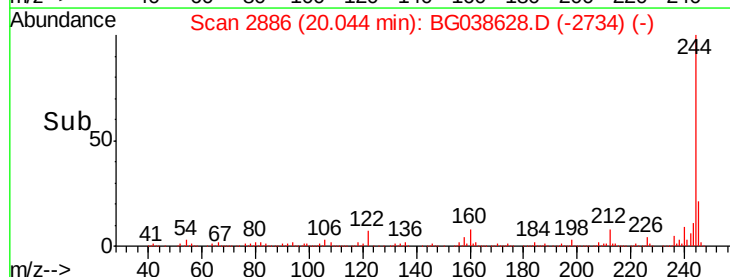
183 8.9 9.6 14.4#

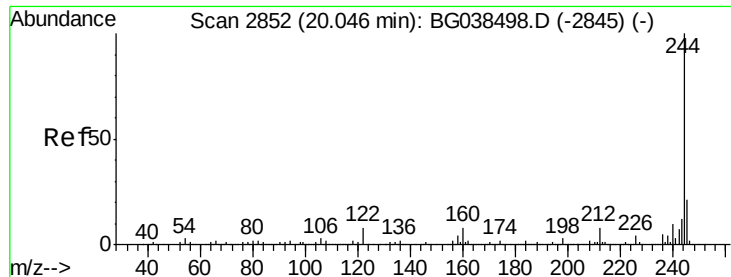


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 85.034 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038628.D

Acq: 16 Dec 2018 6:49

Instrument :

BNA_G

ClientSampleId :

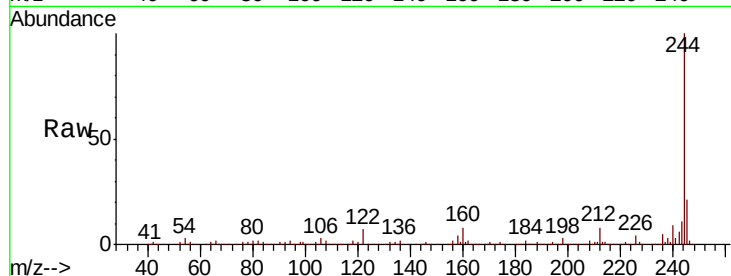
Tot Ion:244 Resp: 602457

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

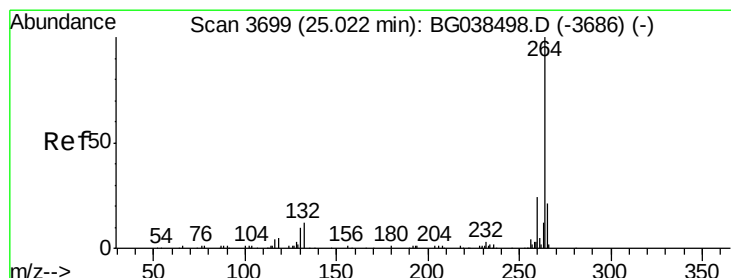
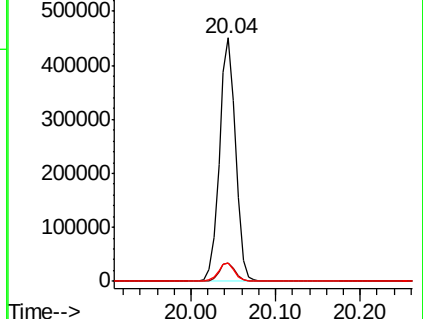
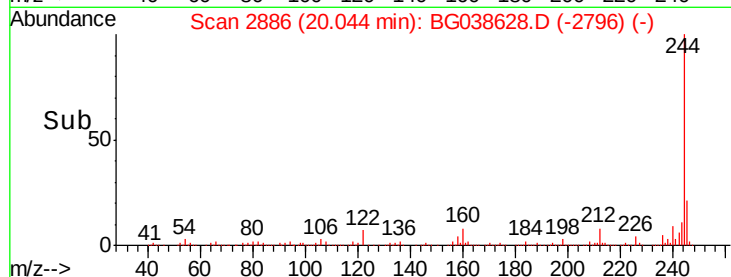
122 7.4 6.3 9.5



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.01 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG038628.D

Acq: 16 Dec 2018 6:49

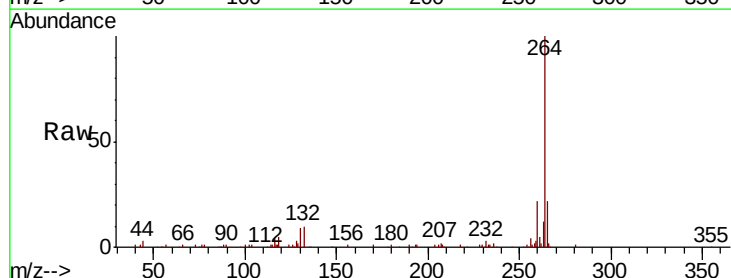
Tgt Ion:264 Resp: 163107

Ion Ratio Lower Upper

264 100

260 21.9 18.9 28.3

265 21.8 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

