

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
 Data File : BG038564.D
 Acq On : 14 Dec 2018 11:45
 Operator : JU/SJ
 Sample : J6354-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 12:31:42 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

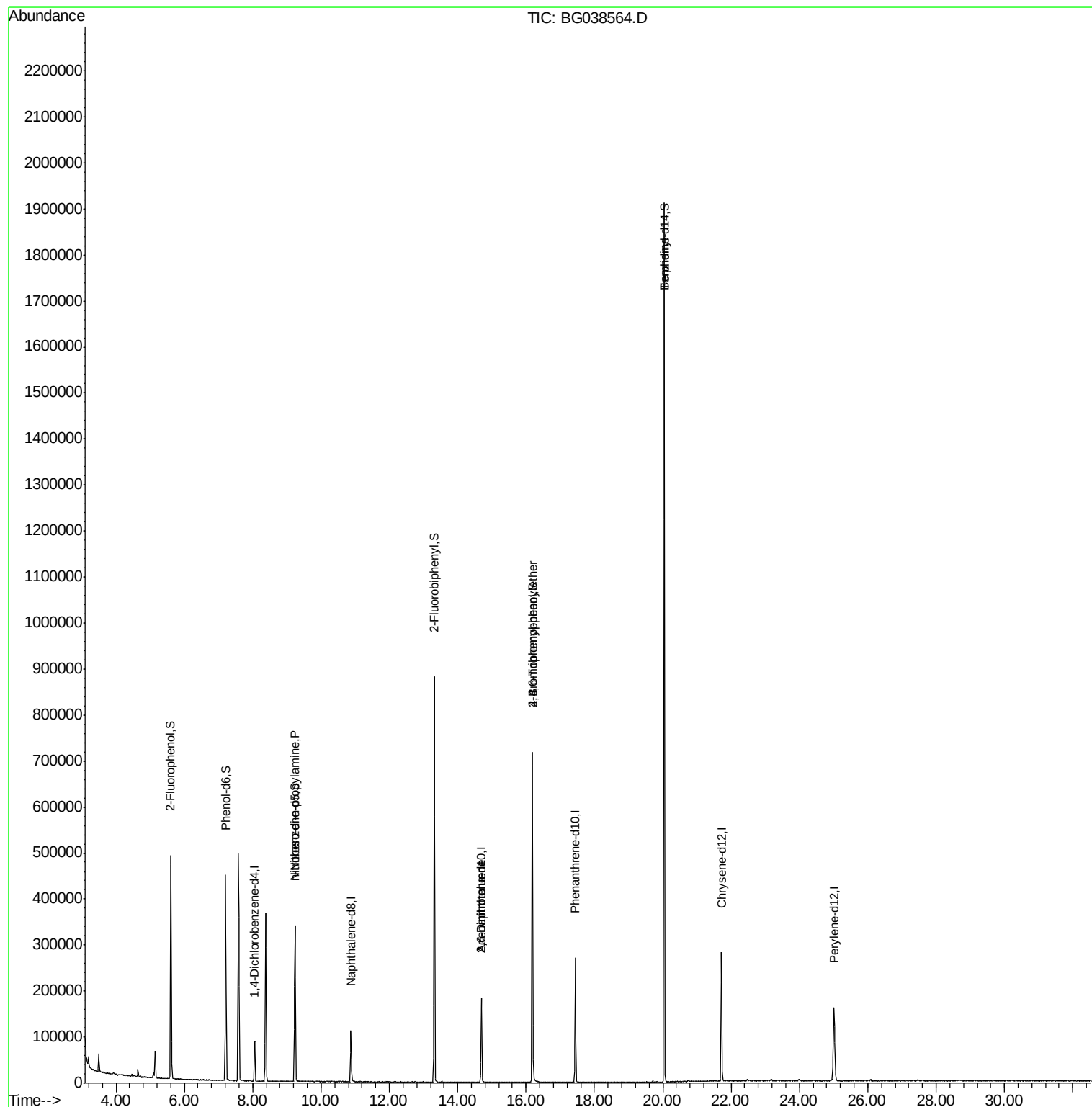
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	24821	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	98971	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	66187	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	172925	20.00	ng	0.00
76) Chrysene-d12	21.72	240	187022	20.00	ng	0.00
87) Perylene-d12	25.01	264	198732	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	204835	146.37	ng	0.00
7) Phenol-d6	7.21	99	250660	130.47	ng	0.00
23) Nitrobenzene-d5	9.24	82	200575	103.53	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	147117	161.28	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	468788	97.17	ng	0.00
79) Terphenyl-d14	20.05	244	963146	112.08	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	26963	19.983	ng	# 69
51) 2,6-Dinitrotoluene	14.69	165	8751	7.144	ng	# 21
57) 2,4-Dinitrotoluene	14.69	165	8751	5.072	ng	# 23
67) 4-Bromophenyl-phenylether	16.19	248	9762	4.622	ng	# 1
77) Benzidine	20.05	184	17553	3.174	ng	96

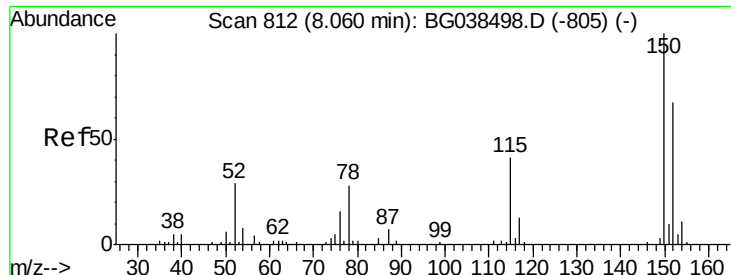
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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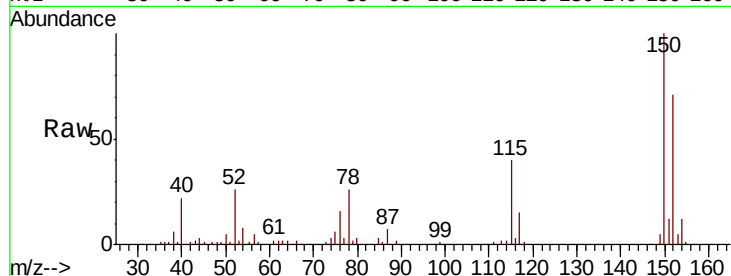


#1

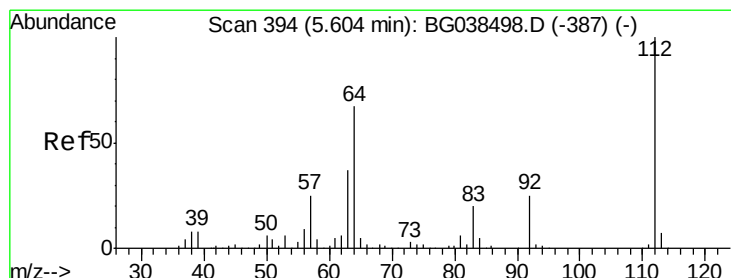
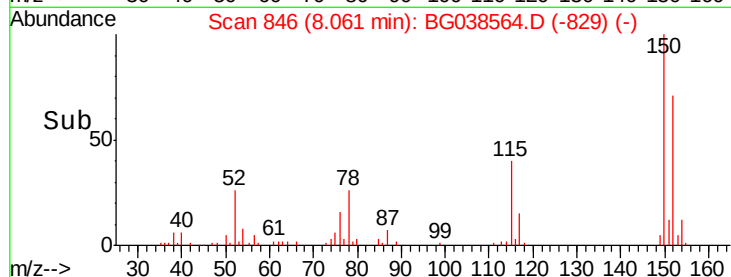
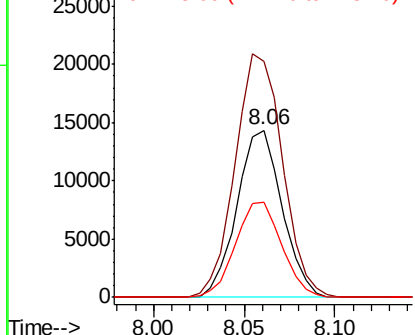
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. 0.00 min
Lab File: BG038564.D
Acq: 14 Dec 2018 11:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 24821
Ion Ratio Lower Upper
152 100
150 141.3 119.5 179.3
115 56.5 49.6 74.4



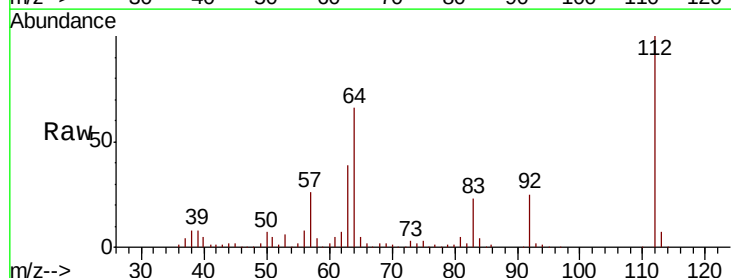
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



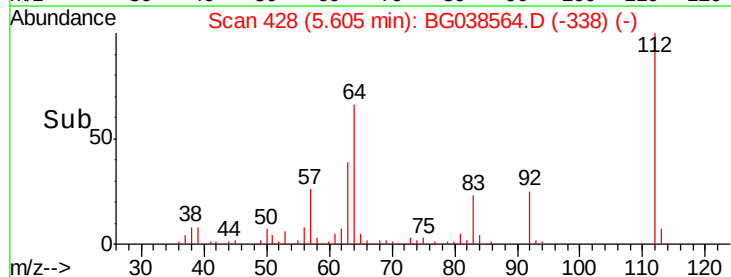
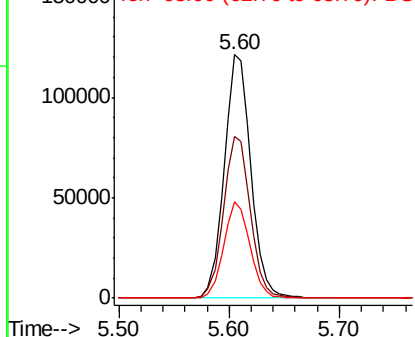
#5

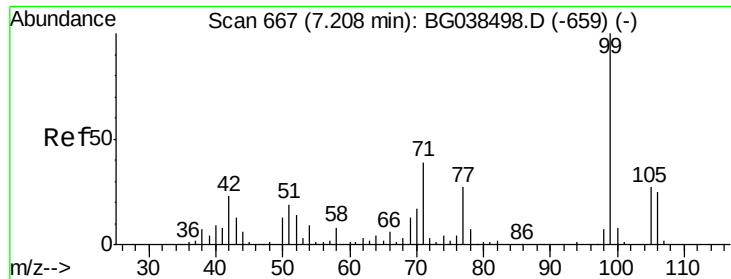
2-Fluorophenol
Concen: 146.370 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG038564.D
Acq: 14 Dec 2018 11:45

Tgt Ion:112 Resp: 204835
Ion Ratio Lower Upper
112 100
64 66.2 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: 130.474 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG038564.D

Acq: 14 Dec 2018 11:45

Instrument :

BNA_F

ClientSampleId :

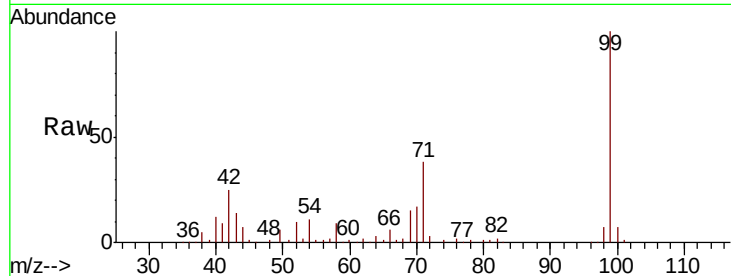
Tot Ion: 99 Resp: 250660

Ion Ratio Lower Upper

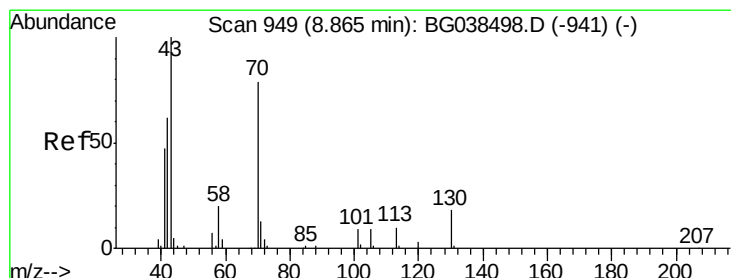
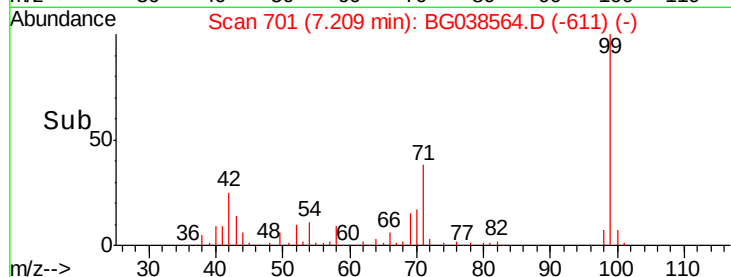
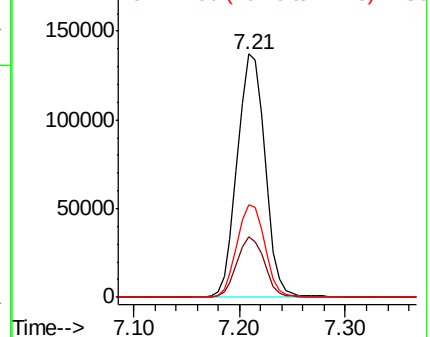
99 100

42 25.0 18.5 27.7

71 38.3 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: 19.983 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038564.D

Acq: 14 Dec 2018 11:45

Tgt Ion: 70 Resp: 26963

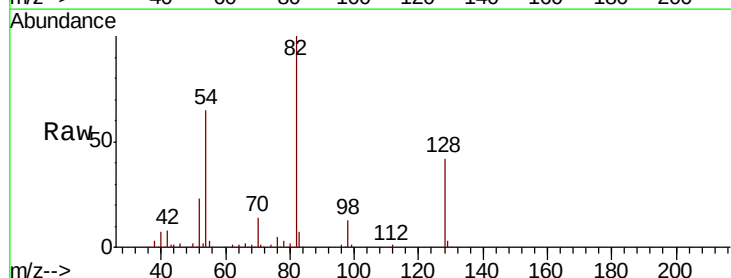
Ion Ratio Lower Upper

70 100

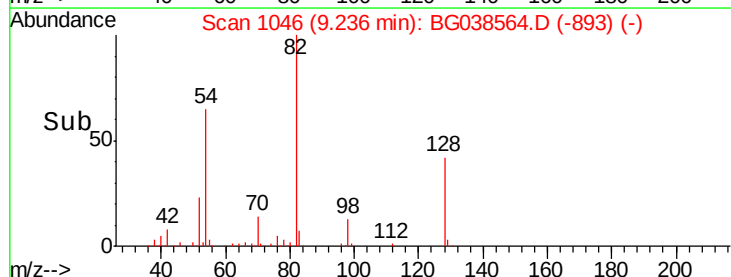
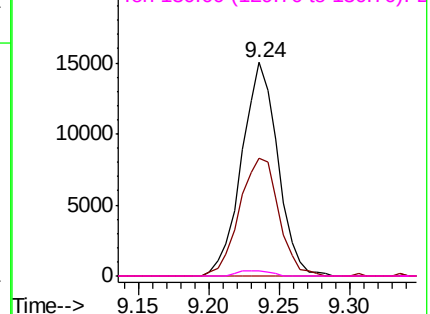
42 55.3 63.6 95.4#

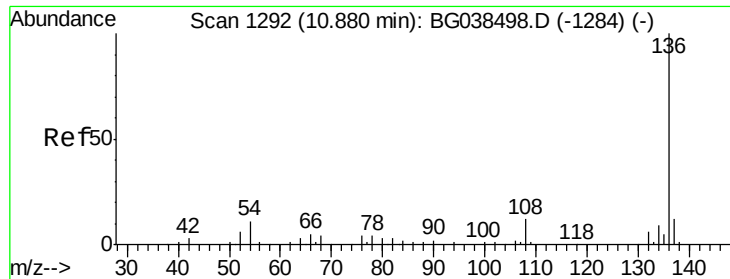
101 0.0 9.2 13.8#

130 2.4 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

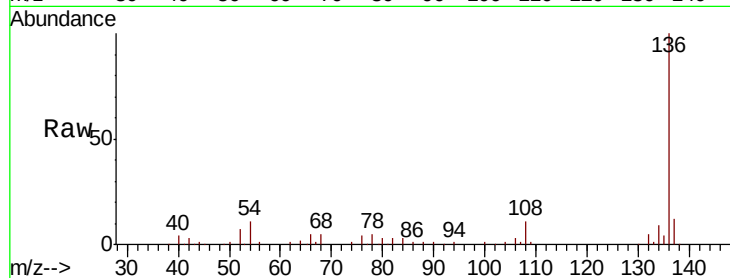




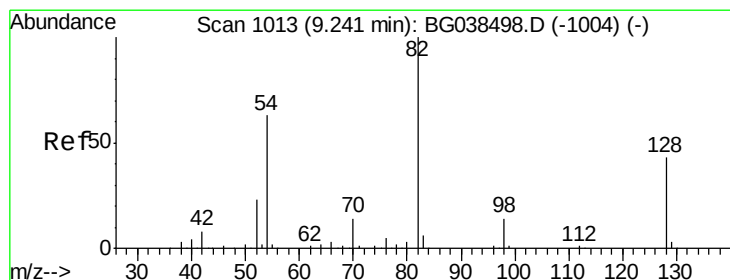
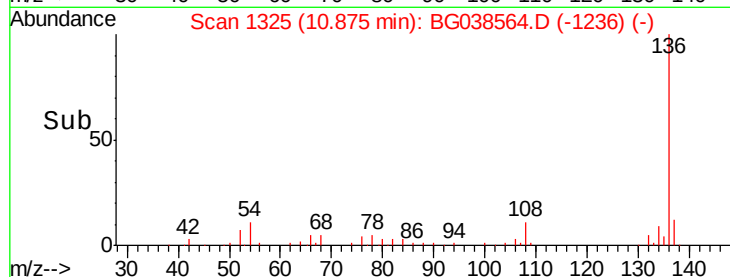
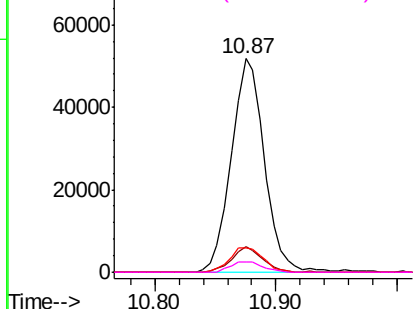
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BG038564.D
Acq: 14 Dec 2018 11:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	98971
Ion	Ratio	Lower Upper
136	100	
137	11.8	9.3 13.9
54	11.1	8.5 12.7
68	4.7	3.5 5.3

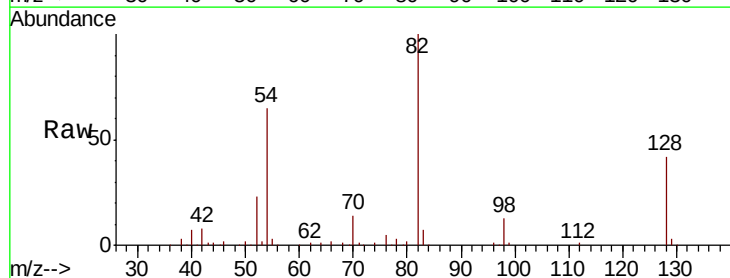


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

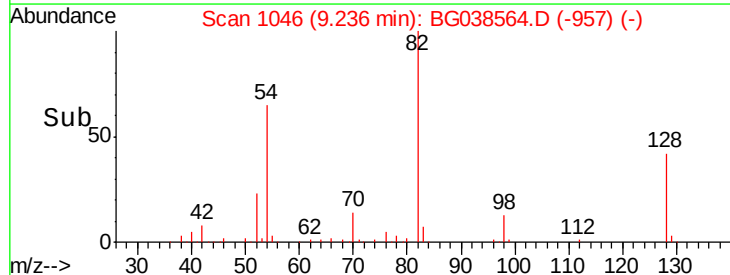
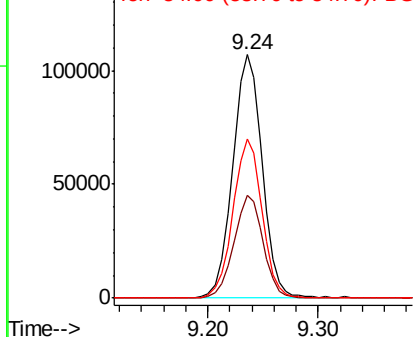


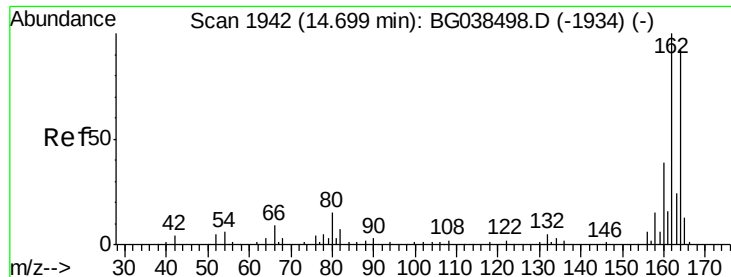
#23
Nitrobenzene-d5
Concen: 103.533 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG038564.D
Acq: 14 Dec 2018 11:45

Tgt Ion: 82	Resp:	200575
Ion	Ratio	Lower Upper
82	100	
128	42.2	34.6 52.0
54	65.5	50.6 76.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BG038564.D

Acq: 14 Dec 2018 11:45

Instrument :

BNA_F

ClientSampleId :

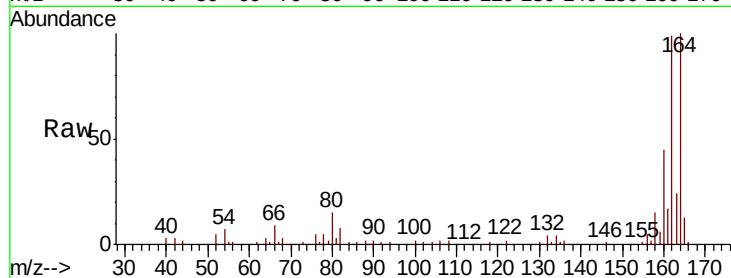
Tot Ion:164 Resp: 66187

Ion Ratio Lower Upper

164 100

162 98.8 86.6 130.0

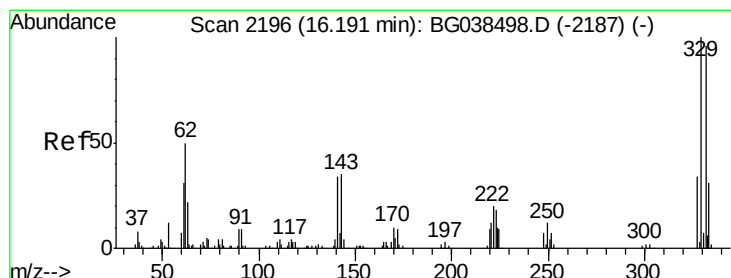
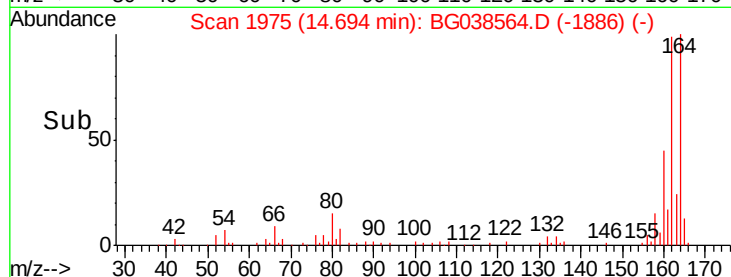
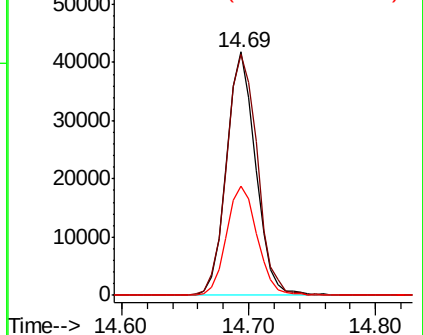
160 45.1 34.2 51.2



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: 161.281 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG038564.D

Acq: 14 Dec 2018 11:45

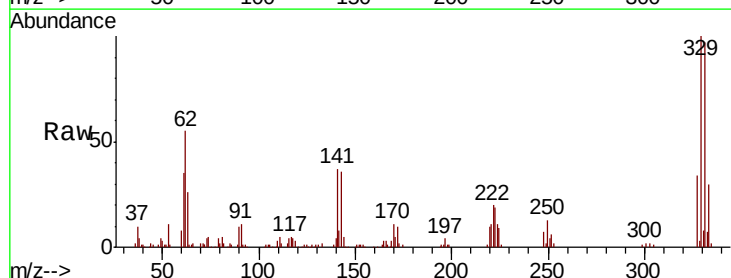
Tgt Ion:330 Resp: 147117

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

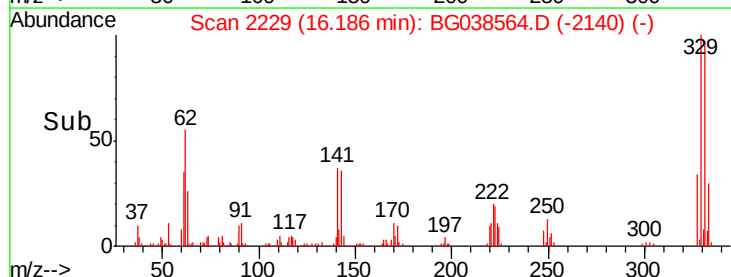
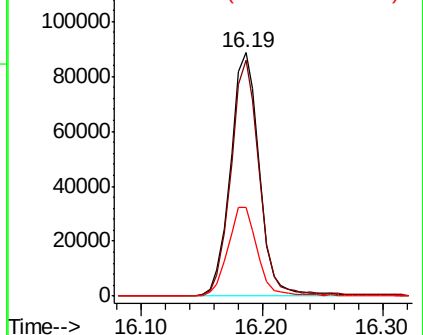
141 37.6 28.8 43.2

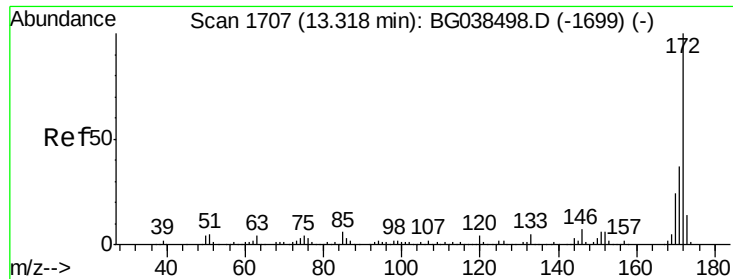


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

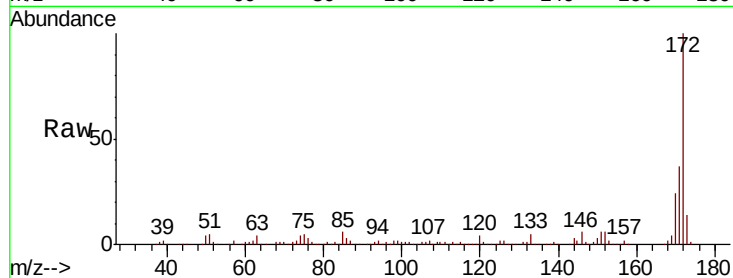




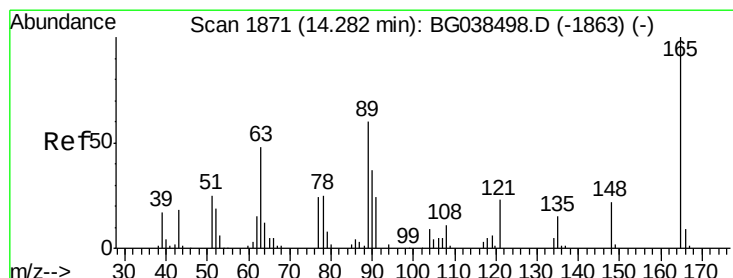
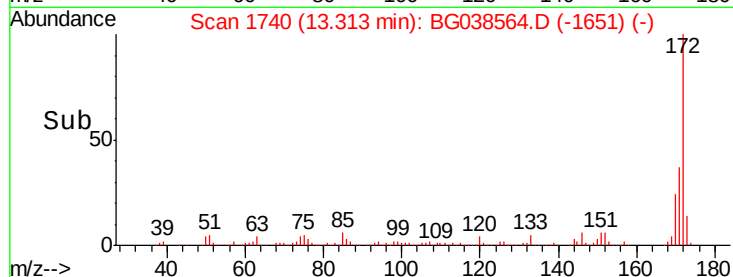
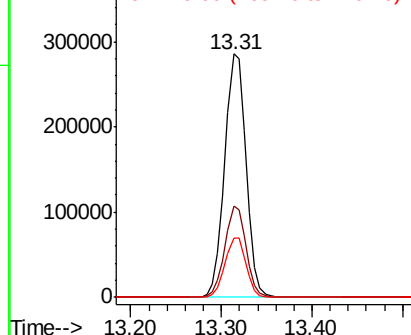
#45
 2-Fluorobiphenyl
 Concen: 97.165 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BG038564.D
 Acq: 14 Dec 2018 11:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 468788
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.8 44.6
 170 24.3 19.5 29.3

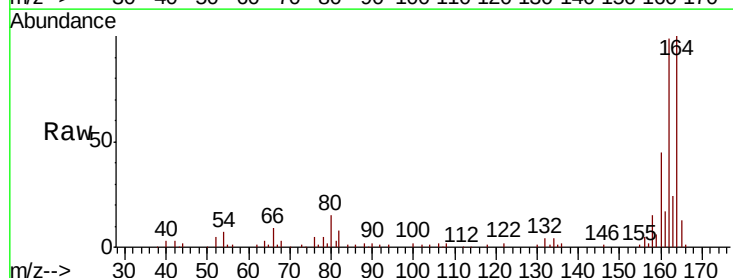


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

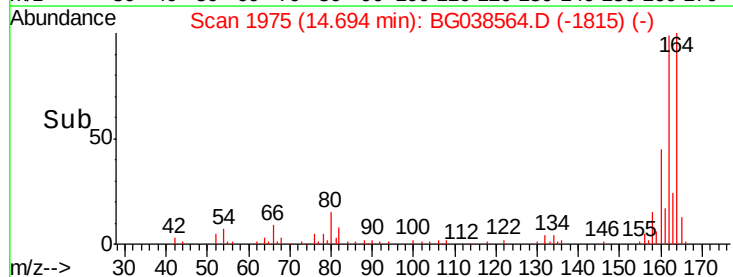
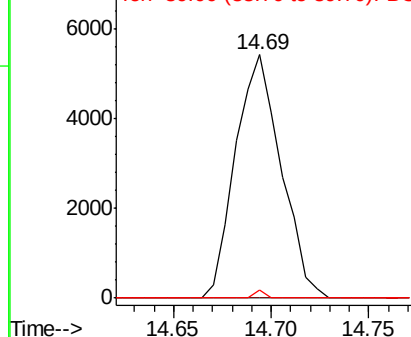


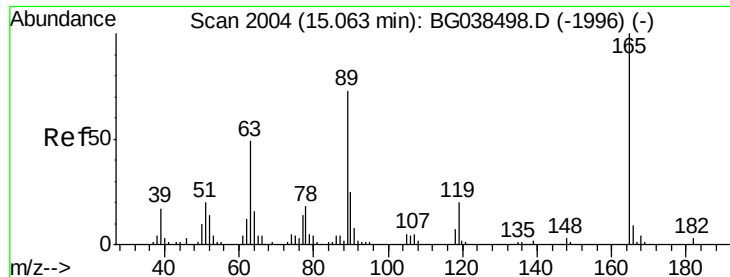
#51
 2,6-Dinitrotoluene
 Concen: 7.144 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038564.D
 Acq: 14 Dec 2018 11:45

Tgt Ion:165 Resp: 8751
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 3.2 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

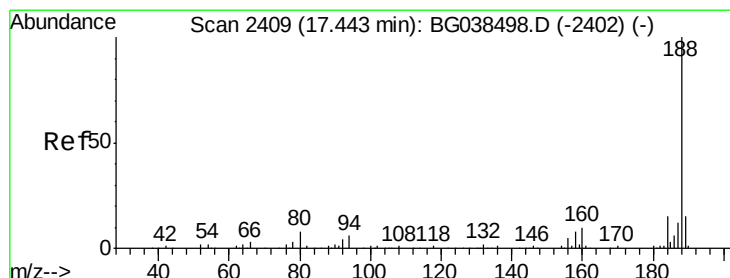
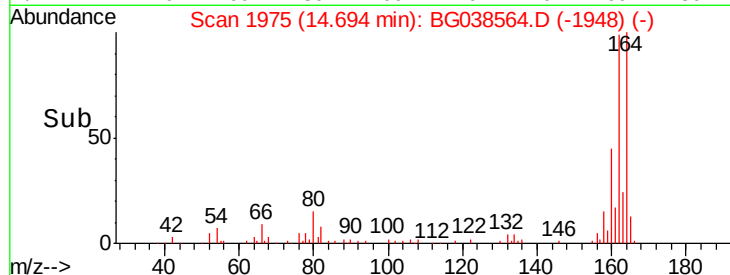
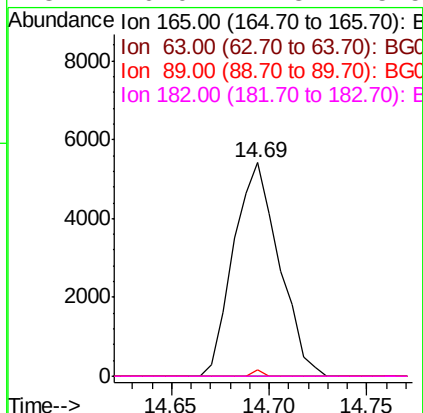
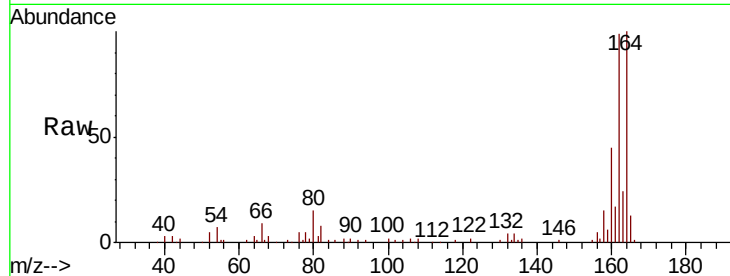




#57
 2,4-Dinitrotoluene
 Concen: 5.072 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038564.D
 Acq: 14 Dec 2018 11:45

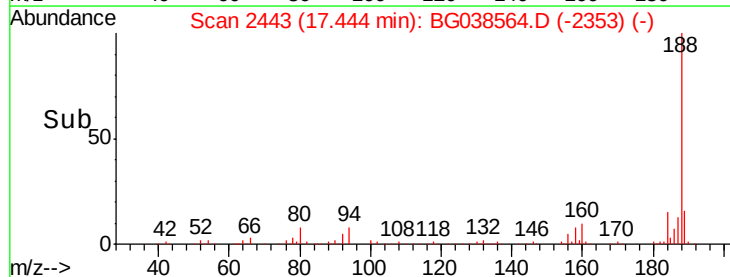
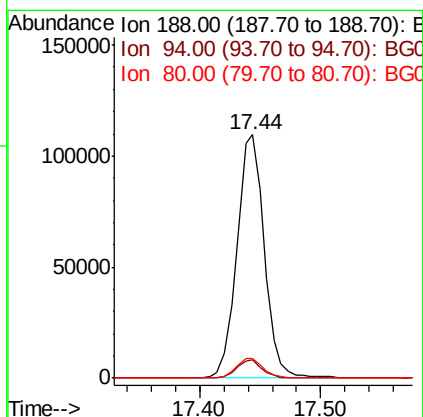
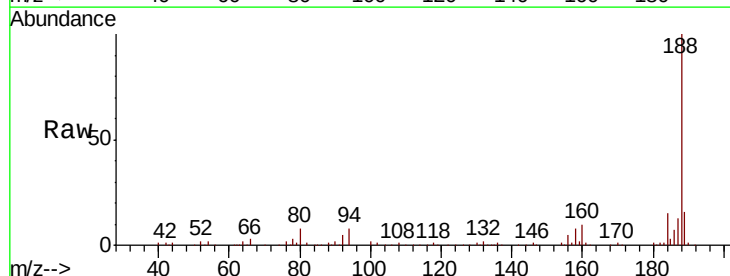
Instrument :
 BNA_F
 ClientSampleId :

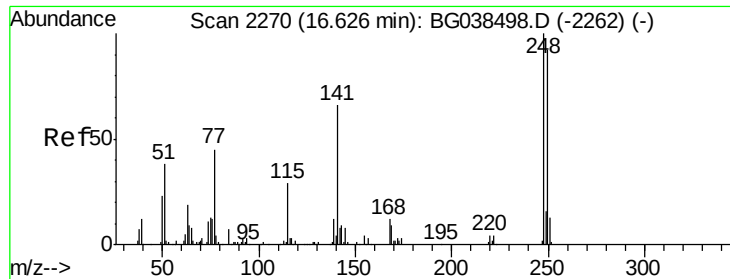
Tot Ion:	165	Resp:	8751
Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	3.2	58.0	87.0#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG038564.D
 Acq: 14 Dec 2018 11:45

Tgt Ion:	188	Resp:	172925
Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.1	7.7
80	8.3	6.1	9.1

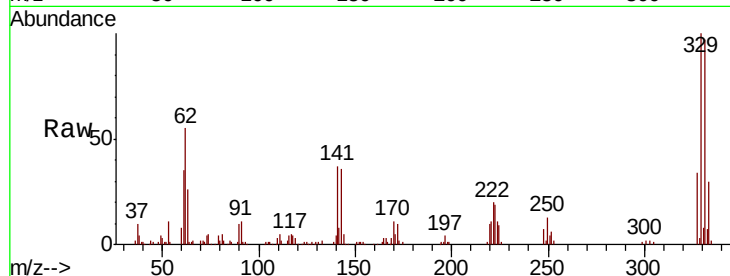




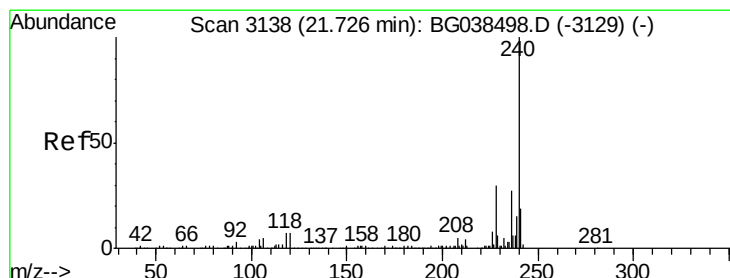
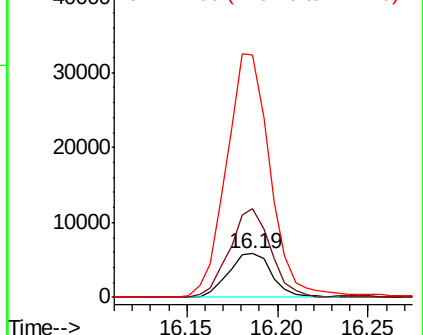
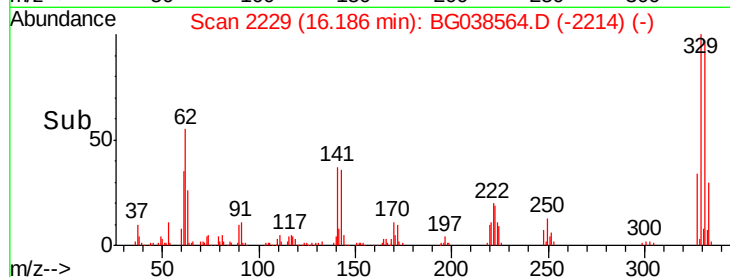
#67
 4-Bromophenyl-phenylether
 Concen: 4.622 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038564.D
 Acq: 14 Dec 2018 11:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9762
 Ion Ratio Lower Upper
 248 100
 250 198.4 73.4 110.2#
 141 414.3 52.9 79.3#

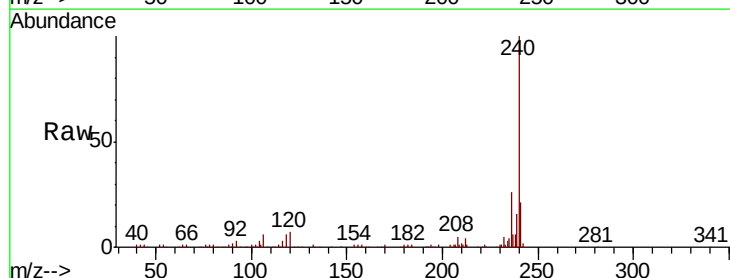


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

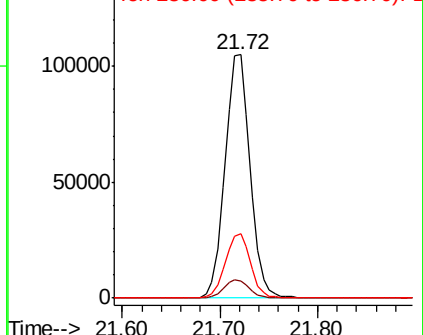
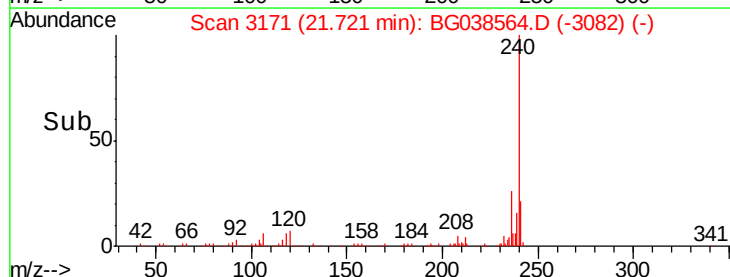


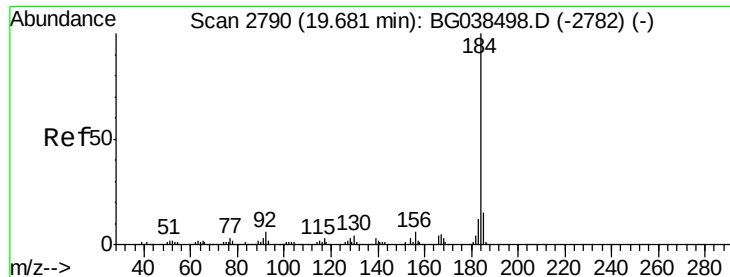
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.00 min
 Lab File: BG038564.D
 Acq: 14 Dec 2018 11:45

Tgt Ion:240 Resp: 187022
 Ion Ratio Lower Upper
 240 100
 120 7.1 5.3 7.9
 236 26.3 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: 3.174 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.37 min

Lab File: BG038564.D

Acq: 14 Dec 2018 11:45

Instrument :

BNA_F

ClientSampleId :

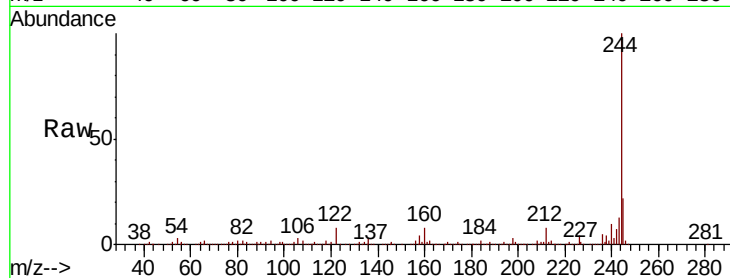
Tot Ion:184 Resp: 17553

Ion Ratio Lower Upper

184 100

185 16.7 12.2 18.2

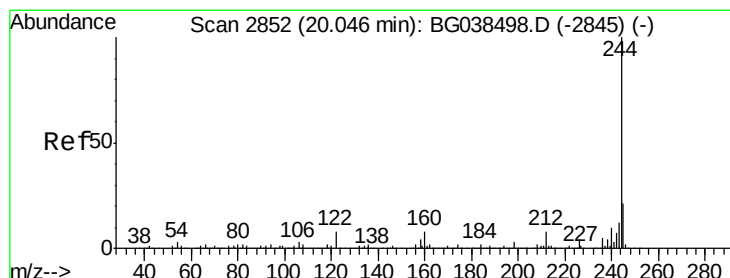
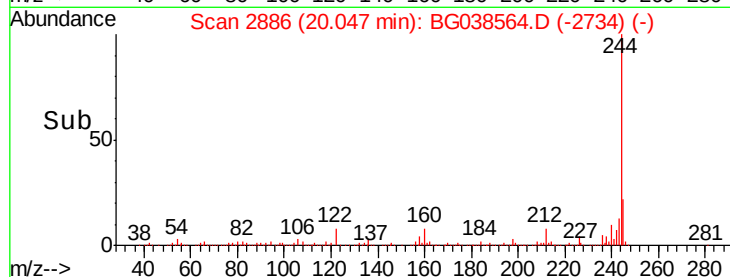
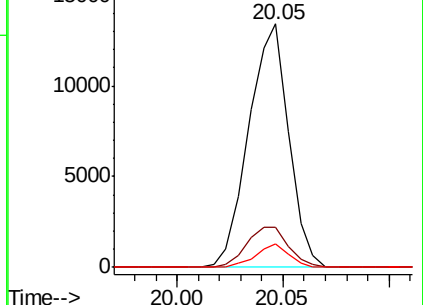
183 9.8 9.6 14.4



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: 112.079 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038564.D

Acq: 14 Dec 2018 11:45

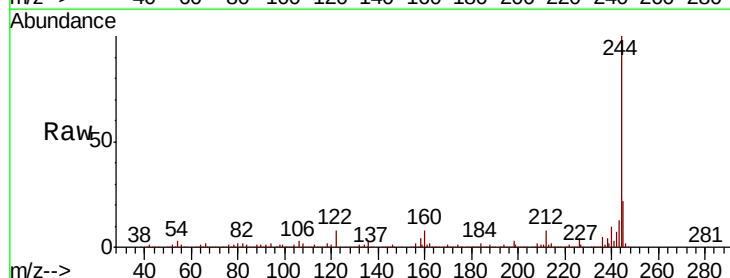
Tgt Ion:244 Resp: 963146

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

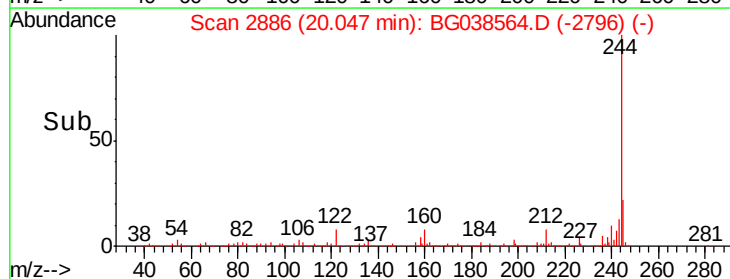
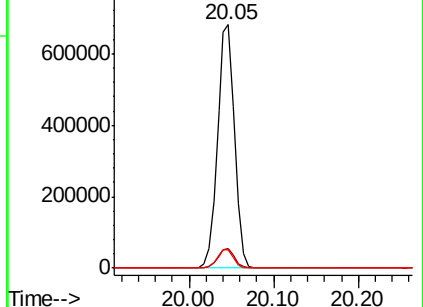
122 7.5 6.3 9.5

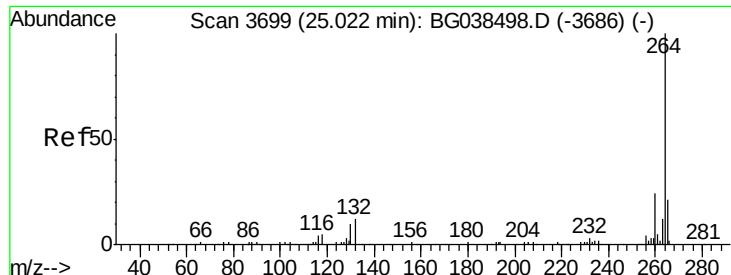


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

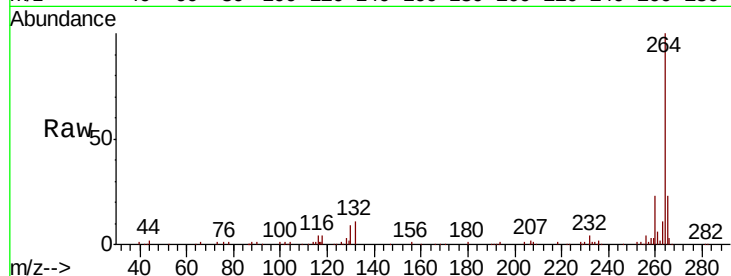




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.01 min Scan# 3731
Delta R.T. -0.01 min
Lab File: BG038564.D
Acq: 14 Dec 2018 11:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	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

