

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010419\
 Data File : BG038958.D
 Acq On : 5 Jan 2019 10:51
 Operator : JU/SJ
 Sample : K1036-13
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 06 22:44:25 2019
 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

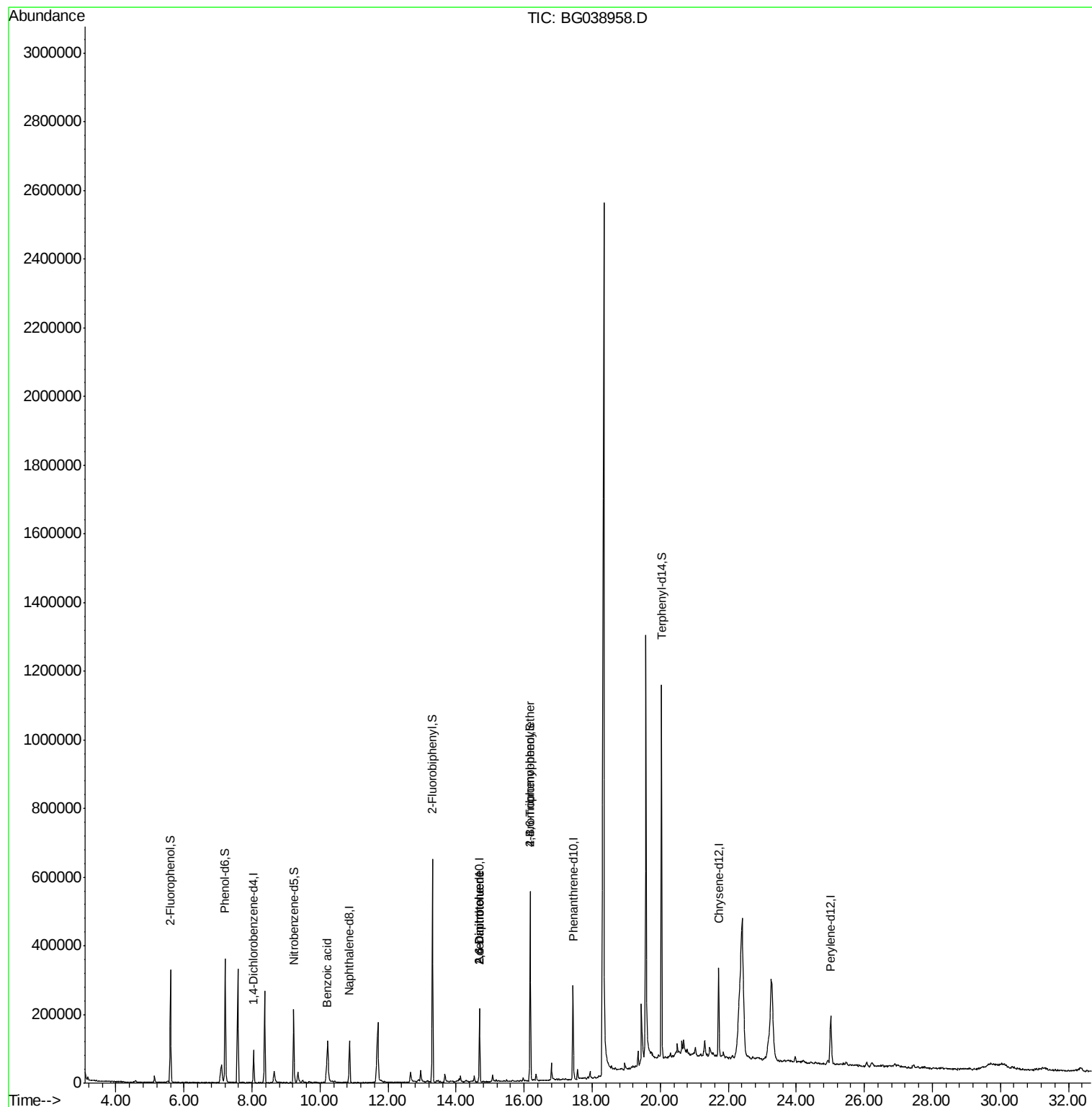
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	27929	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	112377	20.00	ng	-0.01
39) Acenaphthene-d10	14.68	164	75918	20.00	ng	-0.01
64) Phenanthrene-d10	17.43	188	177055	20.00	ng	0.00
76) Chrysene-d12	21.72	240	167297	20.00	ng	0.00
87) Perylene-d12	25.01	264	181076	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	143324	91.02	ng	0.00
7) Phenol-d6	7.21	99	203817	94.29	ng	0.00
23) Nitrobenzene-d5	9.23	82	125995	57.28	ng	-0.01
42) 2,4,6-Tribromophenol	16.18	330	113899	108.86	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	347403	62.78	ng	-0.01
79) Terphenyl-d14	20.04	244	538386	70.04	ng	0.00
Target Compounds						
32) Benzoic acid	10.20	122	270	10.369	ng	88
51) 2,6-Dinitrotoluene	14.68	165	9872	7.027	ng	# 19
57) 2,4-Dinitrotoluene	14.68	165	9872	4.989	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	7600	3.515	ng	# 1

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

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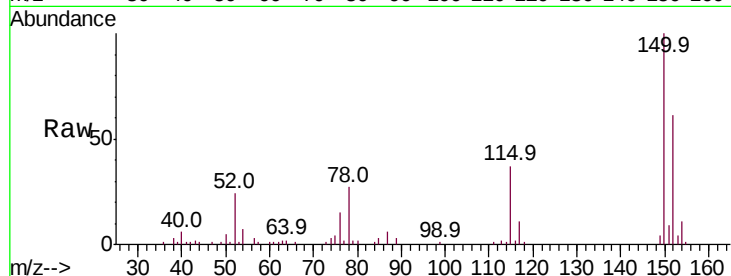


#1

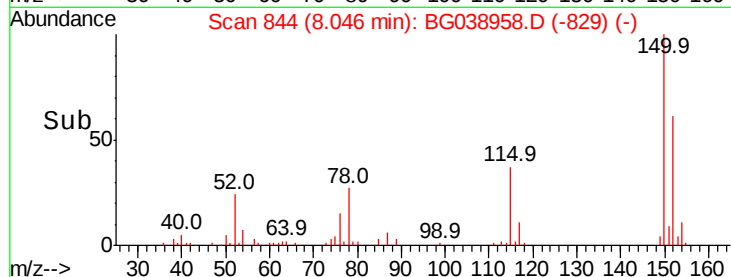
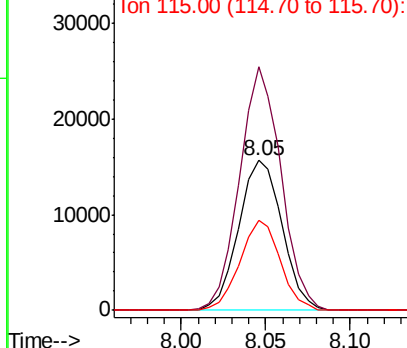
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038958.D
Acq: 5 Jan 2019 10:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27929
Ion Ratio Lower Upper
152 100
150 162.7 119.5 179.3
115 60.2 49.6 74.4



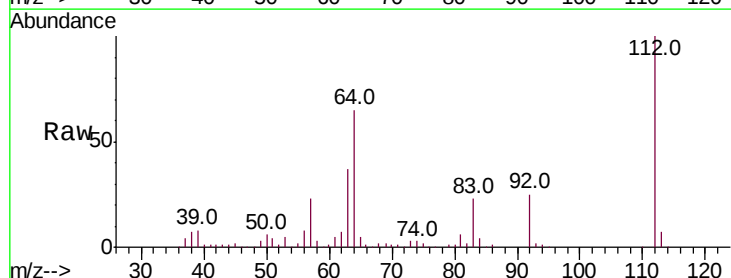
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



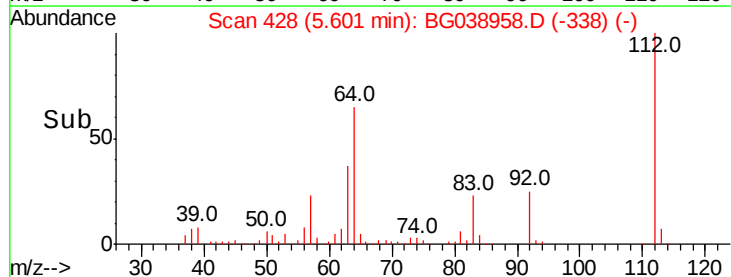
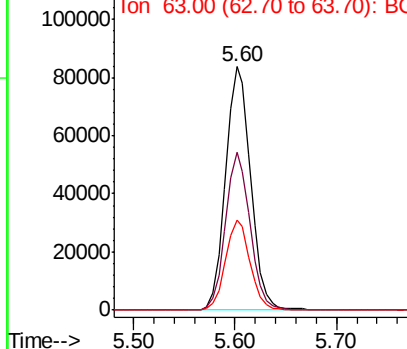
#5

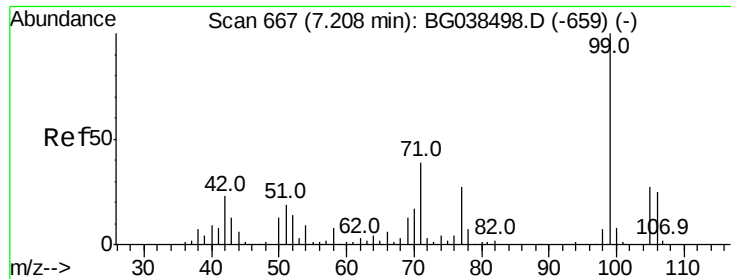
2-Fluorophenol
Concen: 91.019 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.00 min
Lab File: BG038958.D
Acq: 5 Jan 2019 10:51

Tgt Ion:112 Resp: 143324
Ion Ratio Lower Upper
112 100
64 64.8 53.4 80.2
63 37.1 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: 94.285 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038958.D

Acq: 5 Jan 2019 10:51

Instrument :

BNA_G

ClientSampleId :

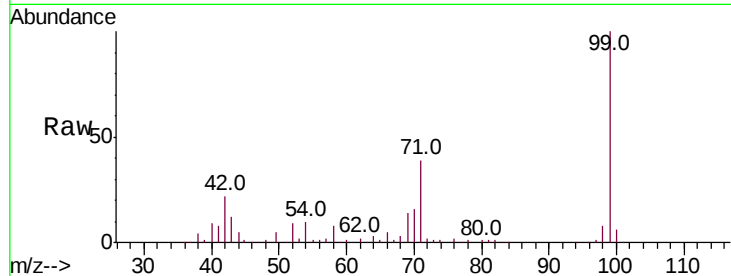
Tot Ion: 99 Resp: 203817

Ion Ratio Lower Upper

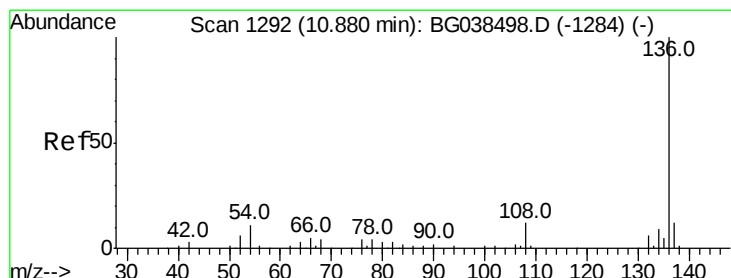
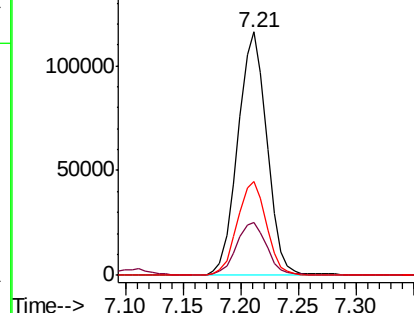
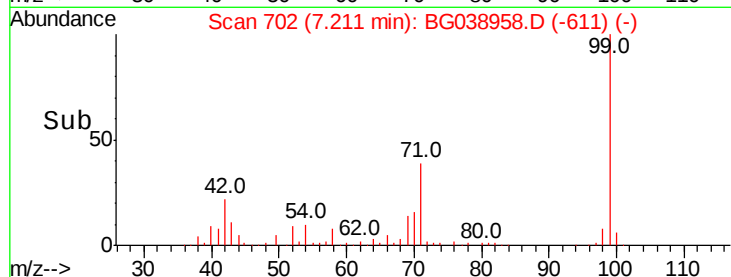
99 100

42 21.8 18.5 27.7

71 38.8 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BG038958.D

Acq: 5 Jan 2019 10:51

Tgt Ion: 136 Resp: 112377

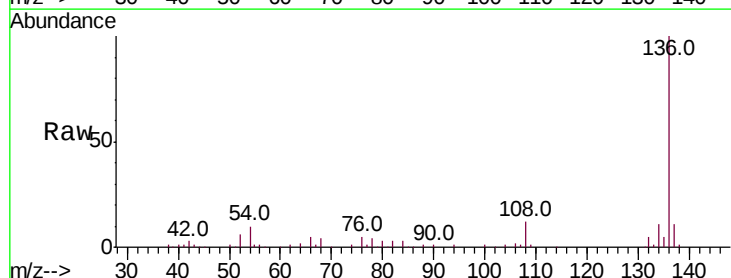
Ion Ratio Lower Upper

136 100

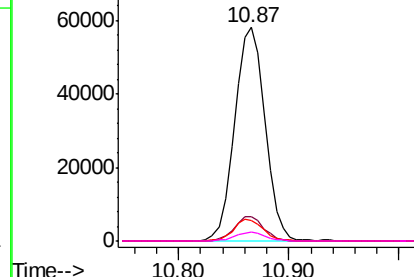
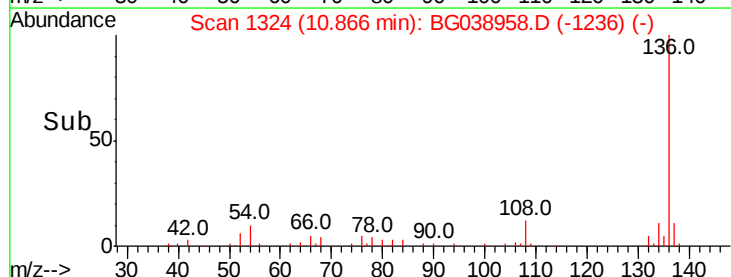
137 11.2 9.3 13.9

54 9.7 8.5 12.7

68 4.0 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

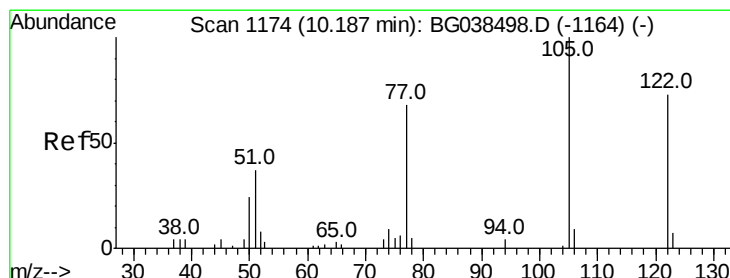
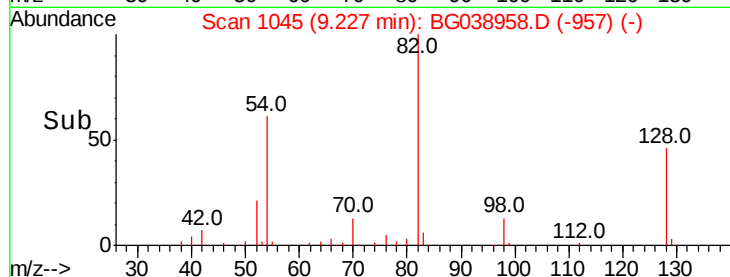
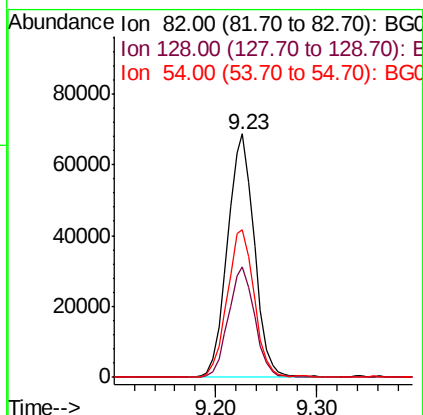
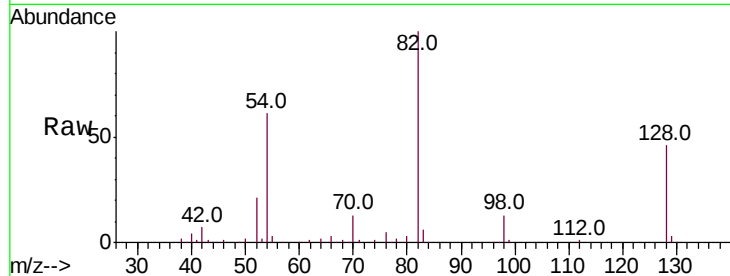




#23
 Nitrobenzene-d5
 Concen: 57.278 ng
 RT: 9.23 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: BG038958.D
 Acq: 5 Jan 2019 10:51

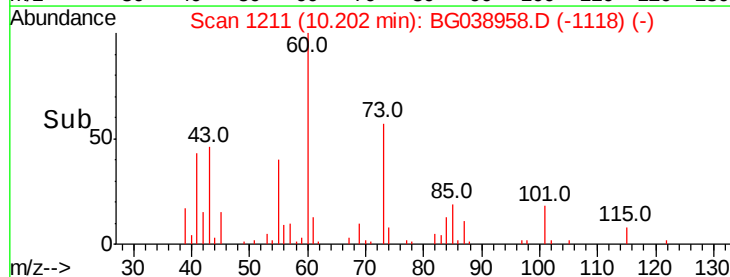
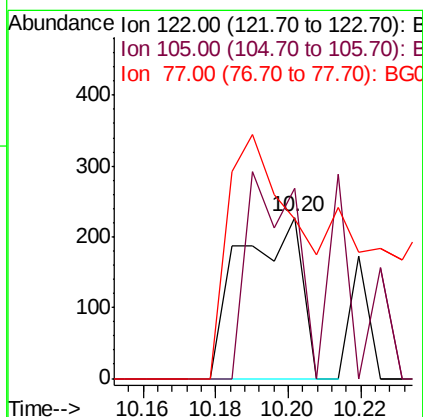
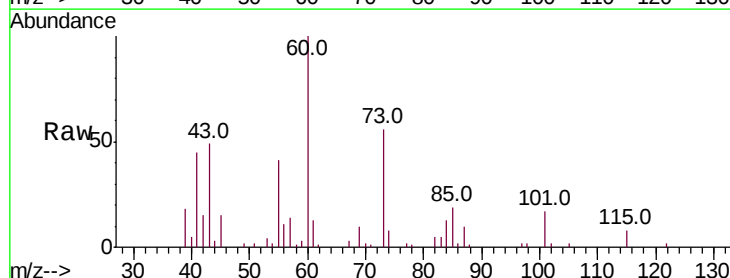
Instrument :
 BNA_G
 ClientSampleId :

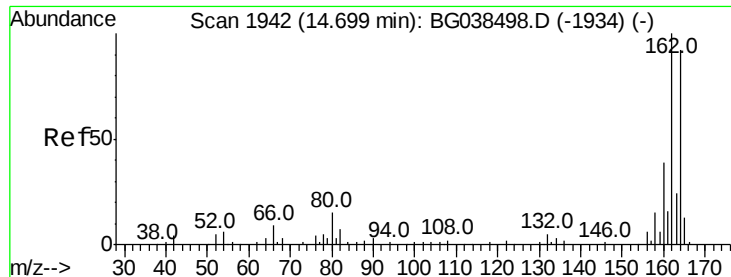
Tot Ion: 82 Resp: 125995
 Ion Ratio Lower Upper
 82 100
 128 45.5 34.6 52.0
 54 60.8 50.6 76.0



#32
 Benzoic acid
 Concen: 10.369 ng
 RT: 10.20 min Scan# 1211
 Delta R.T. 0.02 min
 Lab File: BG038958.D
 Acq: 5 Jan 2019 10:51

Tgt Ion: 122 Resp: 270
 Ion Ratio Lower Upper
 122 100
 105 118.5 116.7 156.7
 77 99.6 72.5 112.5



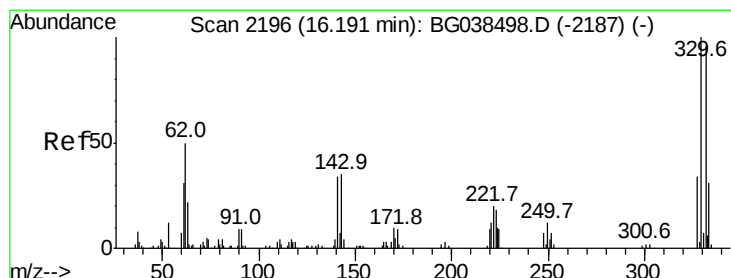
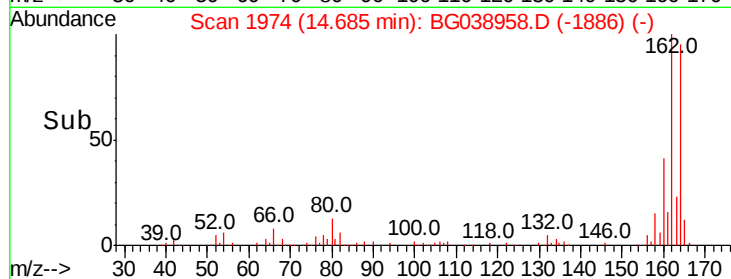
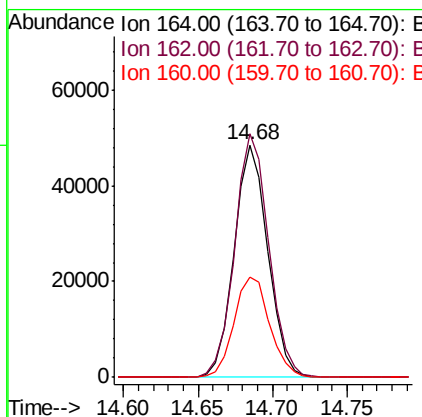
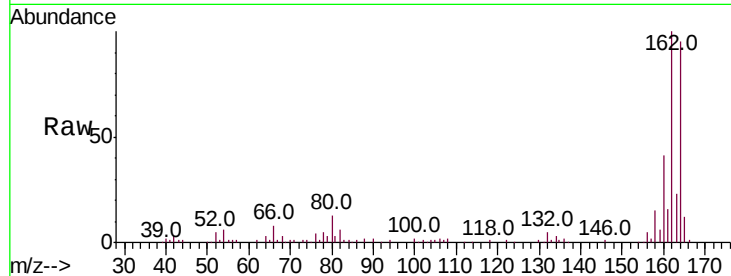


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: BG038958.D
 Acq: 5 Jan 2019 10:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 75918

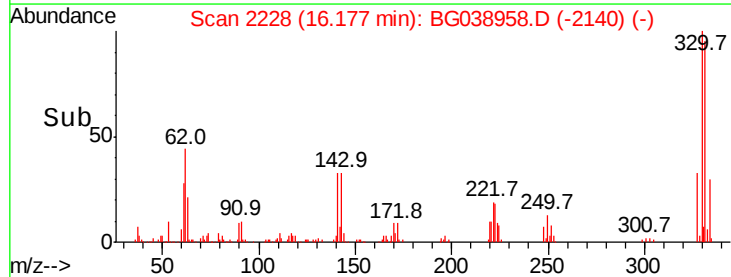
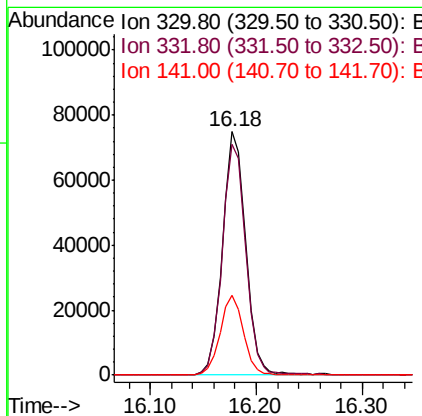
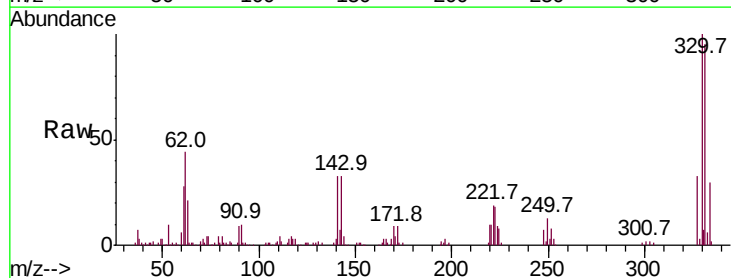
Ion	Ratio	Lower	Upper
164	100		
162	104.9	86.6	130.0
160	43.3	34.2	51.2

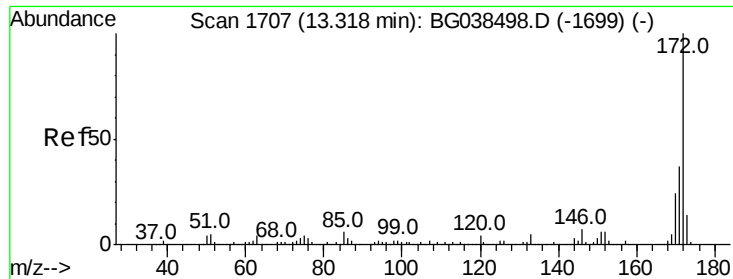


#42
 2,4,6-Tribromophenol
 Concen: 108.860 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BG038958.D
 Acq: 5 Jan 2019 10:51

Tgt Ion:330 Resp: 113899

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.9	115.3
141	32.9	28.8	43.2

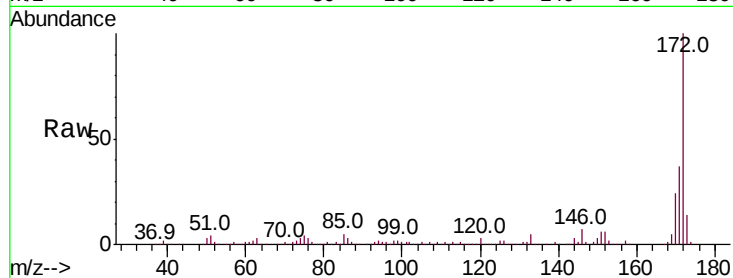




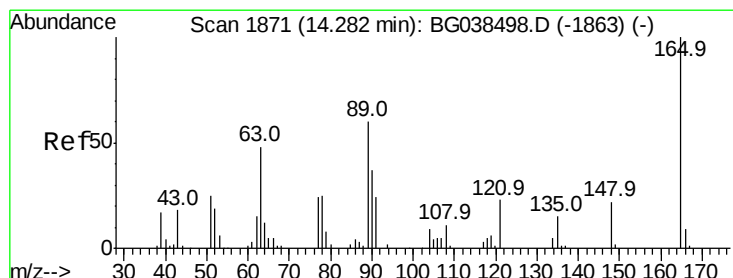
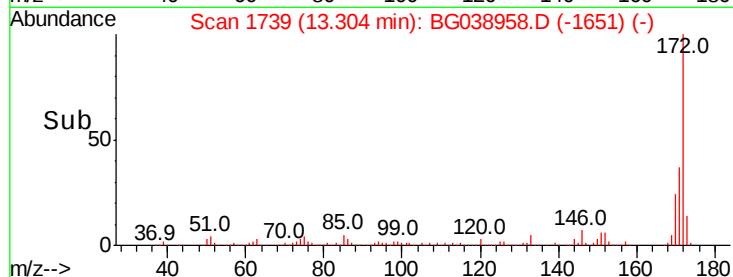
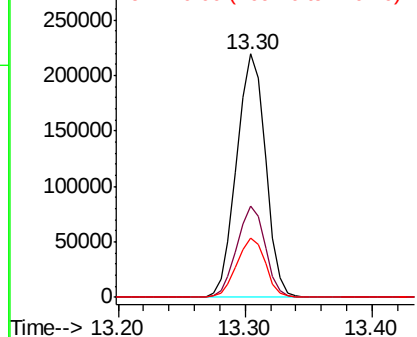
#45
 2-Fluorobiphenyl
 Concen: 62.776 ng
 RT: 13.30 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG038958.D
 Acq: 5 Jan 2019 10:51

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 347403
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.8 44.6
 170 24.2 19.5 29.3

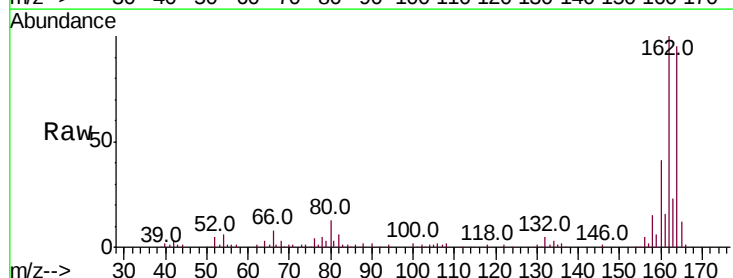


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

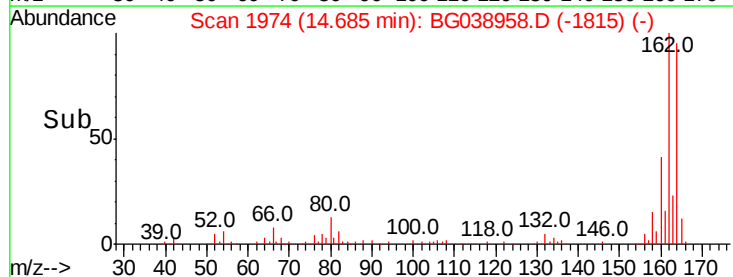
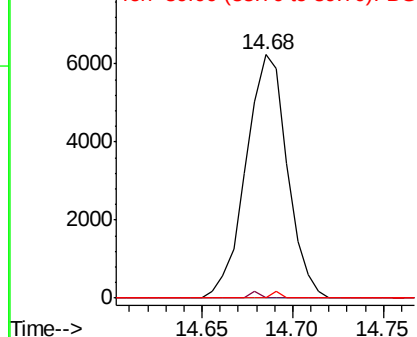


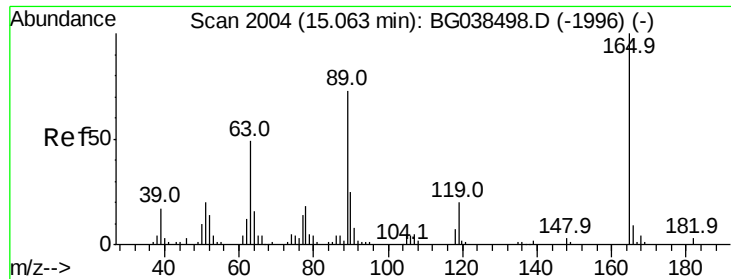
#51
 2,6-Dinitrotoluene
 Concen: 7.027 ng
 RT: 14.68 min Scan# 1974
 Delta R.T. 0.40 min
 Lab File: BG038958.D
 Acq: 5 Jan 2019 10:51

Tgt Ion:165 Resp: 9872
 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

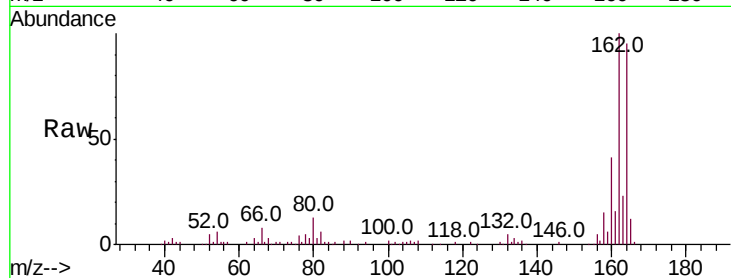




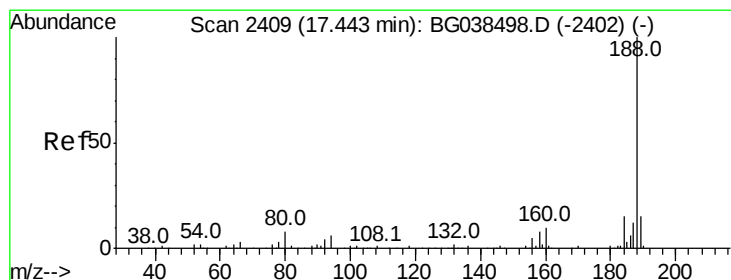
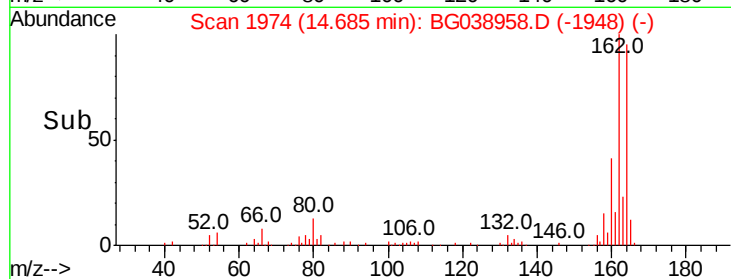
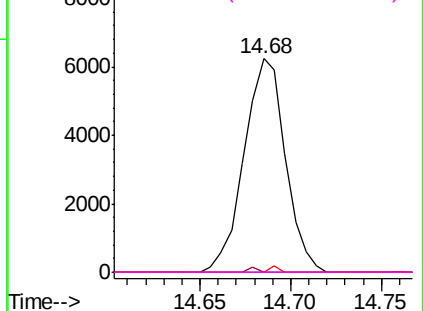
#57
 2,4-Dinitrotoluene
 Concen: 4.989 ng
 RT: 14.68 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG038958.D
 Acq: 5 Jan 2019 10:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 9872
 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#

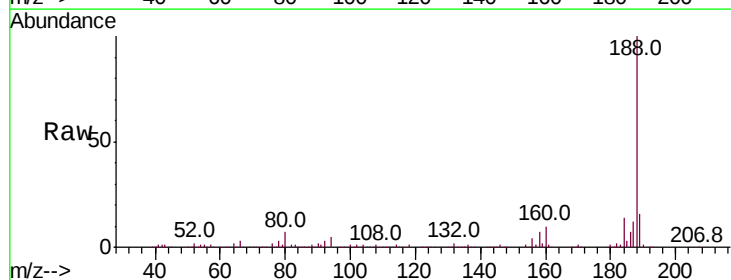


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

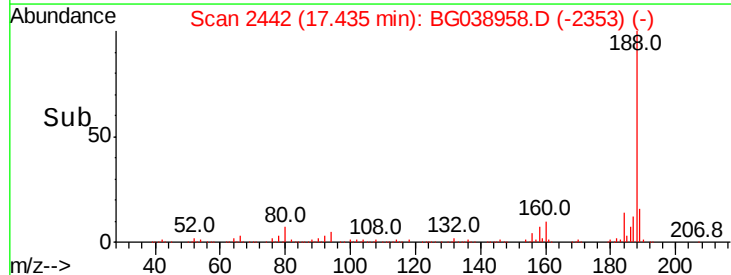
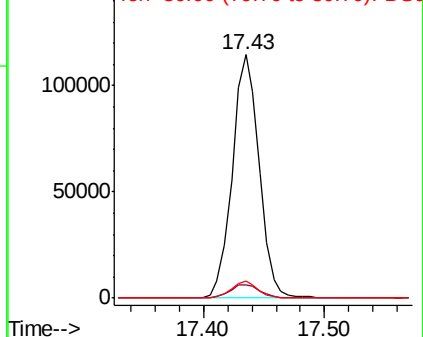


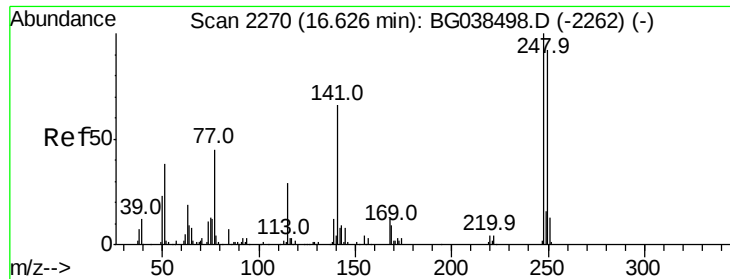
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BG038958.D
 Acq: 5 Jan 2019 10:51

Tgt Ion:188 Resp: 177055
 Ion Ratio Lower Upper
 188 100
 94 5.2 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): BGC
 Ion 80.00 (79.70 to 80.70): BGC

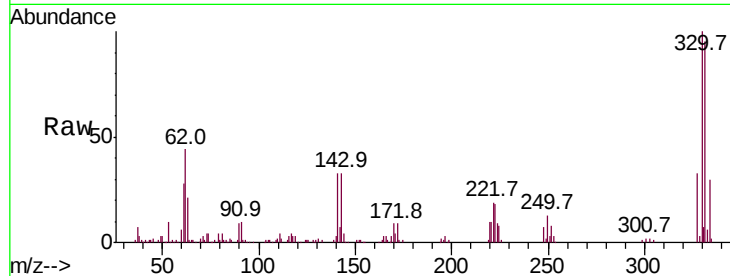




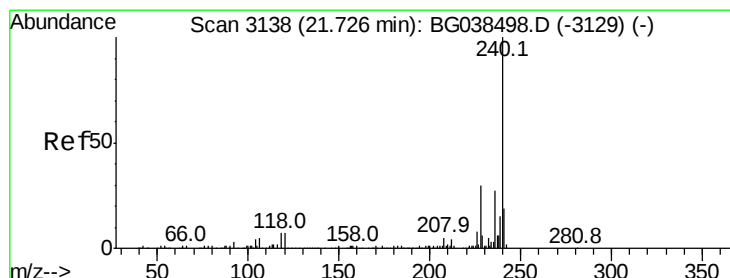
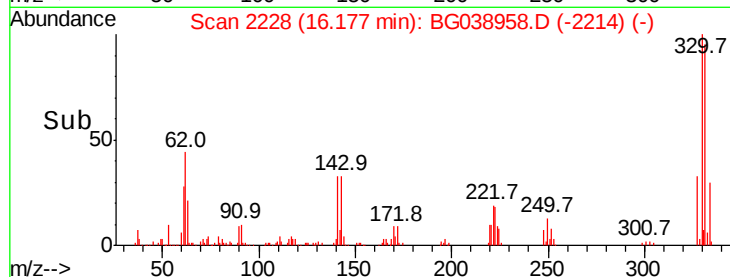
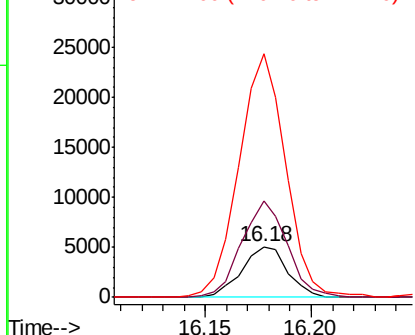
#67
4-Bromophenyl-phenylether
Concen: 3.515 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.45 min
Lab File: BG038958.D
Acq: 5 Jan 2019 10:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 7600
Ion Ratio Lower Upper
248 100
250 239.0 73.4 110.2#
141 478.5 52.9 79.3#

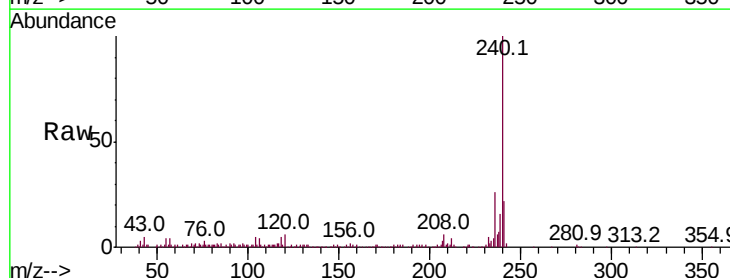


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

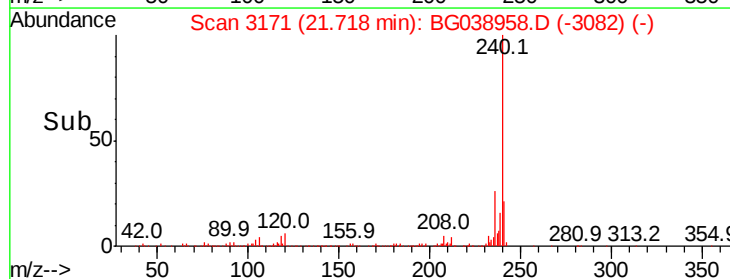
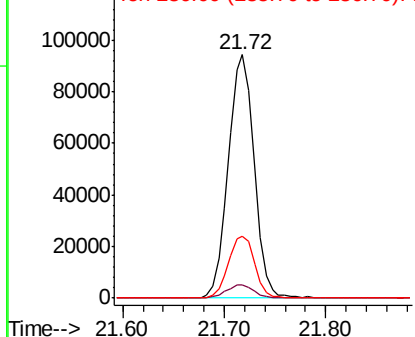


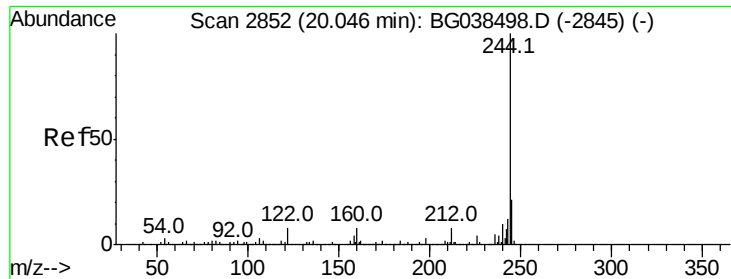
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038958.D
Acq: 5 Jan 2019 10:51

Tgt Ion:240 Resp: 167297
Ion Ratio Lower Upper
240 100
120 5.6 5.3 7.9
236 25.6 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





#79

Terphenyl-d14

Concen: 70.038 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038958.D

Acq: 5 Jan 2019 10:51

Instrument :

BNA_G

ClientSampled :

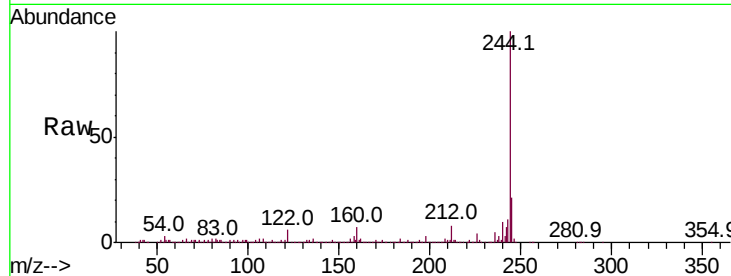
Tot Ion:244 Resp: 538386

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

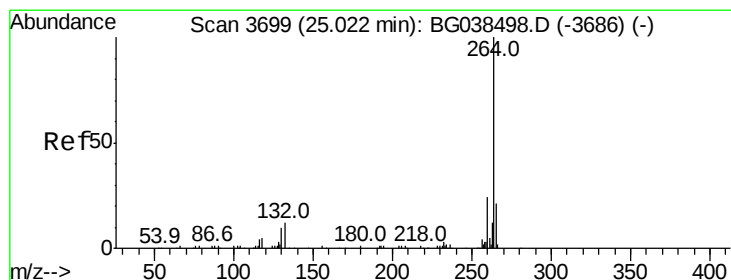
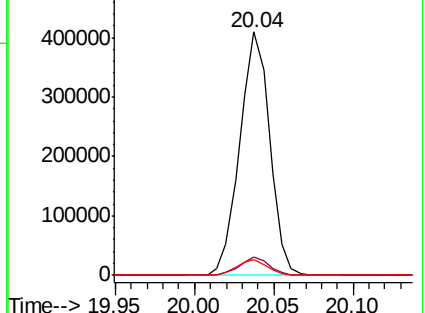
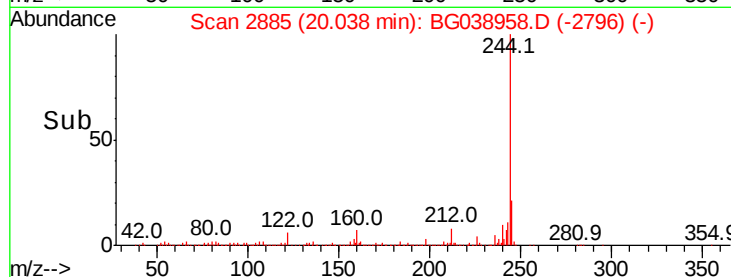
122 6.3 6.3 9.5



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# 3731

Delta R.T. -0.01 min

Lab File: BG038958.D

Acq: 5 Jan 2019 10:51

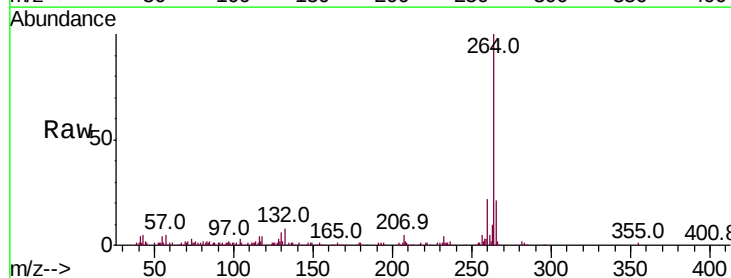
Tgt Ion:264 Resp: 181076

Ion Ratio Lower Upper

264 100

260 22.3 18.9 28.3

265 20.6 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

