

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010719\
 Data File : BG038975.D
 Acq On : 7 Jan 2019 20:30
 Operator : JU/SJ
 Sample : K1034-19RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 08 03:10:33 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

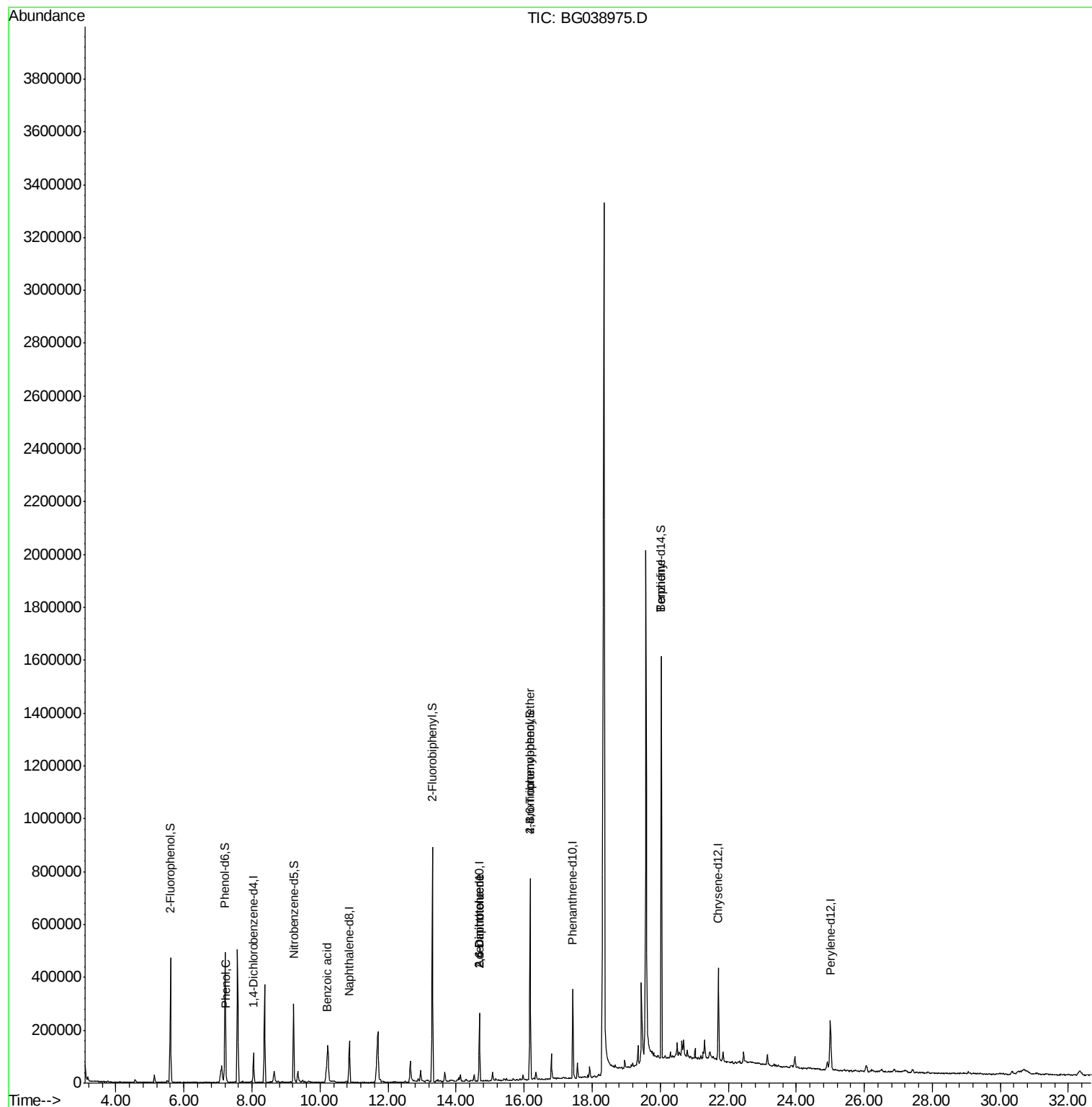
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	34126	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	137140	20.00	ng	-0.02
39) Acenaphthene-d10	14.69	164	93098	20.00	ng	-0.01
64) Phenanthrene-d10	17.43	188	217924	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	212104	20.00	ng	-0.01
87) Perylene-d12	25.00	264	226830	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	207083	107.63	ng	0.00
7) Phenol-d6	7.21	99	292843	110.87	ng	0.00
23) Nitrobenzene-d5	9.22	82	178205	66.38	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	163183	127.18	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	487130	71.78	ng	-0.02
79) Terphenyl-d14	20.03	244	775767	79.60	ng	-0.01
Target Compounds						
10) Phenol	7.24	94	5838	2.080	ng	82
32) Benzoic acid	10.20	122	767	10.642	ng	94
51) 2,6-Dinitrotoluene	14.69	165	12292	7.134	ng	# 22
57) 2,4-Dinitrotoluene	14.69	165	12292	5.065	ng	# 24
67) 4-Bromophenyl-phenylether	16.18	248	11061	4.156	ng	# 1
77) Benzidine	20.03	184	13428	2.141	ng	# 88

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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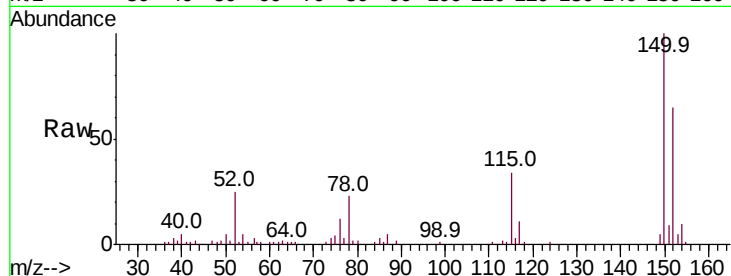


#1

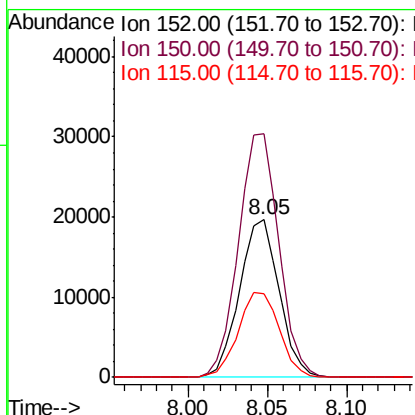
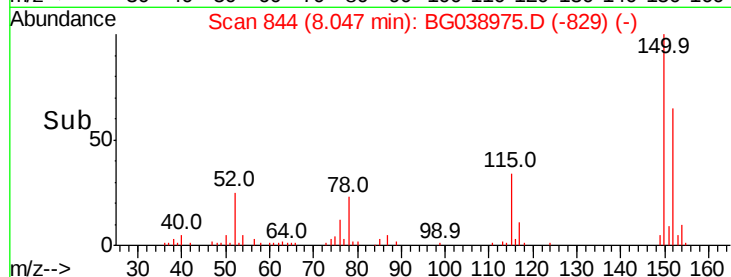
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038975.D
Acq: 7 Jan 2019 20:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 34126
Ion Ratio Lower Upper
152 100
150 154.5 119.5 179.3
115 52.8 49.6 74.4



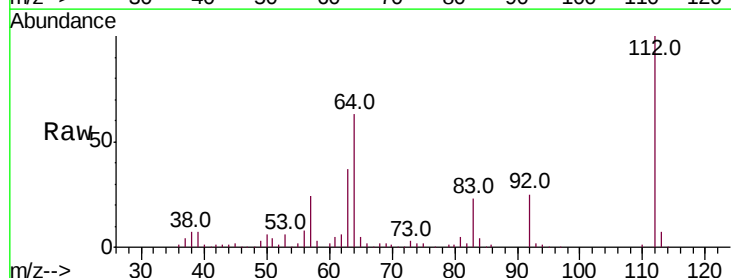
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



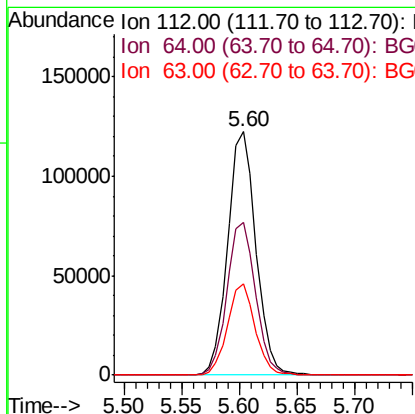
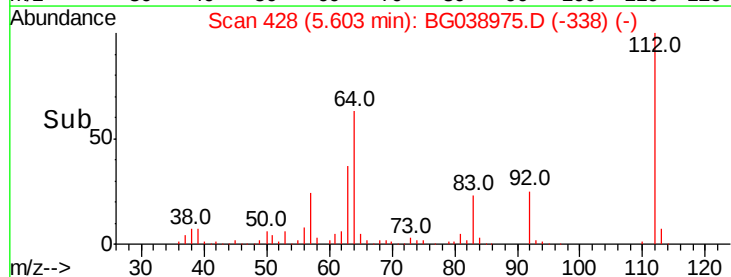
#5

2-Fluorophenol
Concen: 107.629 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG038975.D
Acq: 7 Jan 2019 20:30

Tgt Ion:112 Resp: 207083
Ion Ratio Lower Upper
112 100
64 62.9 53.4 80.2
63 37.2 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: 110.869 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038975.D

Acq: 7 Jan 2019 20:30

Instrument :
BNA_G
ClientSampleId :

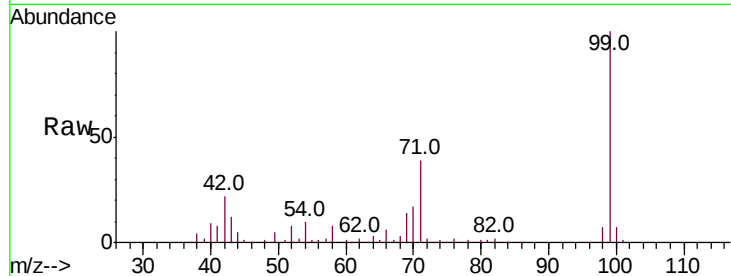
Tot Ion: 99 Resp: 292843

Ion Ratio Lower Upper

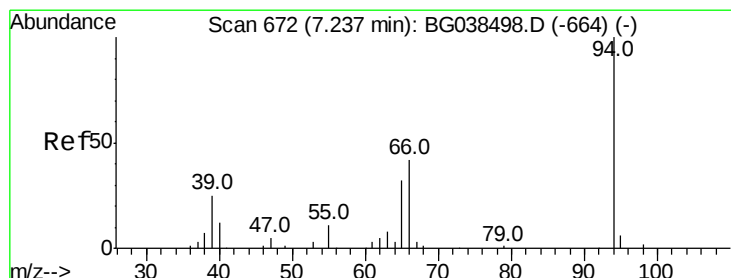
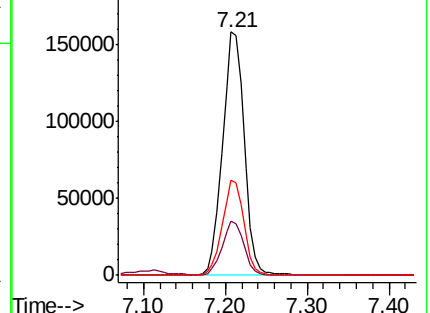
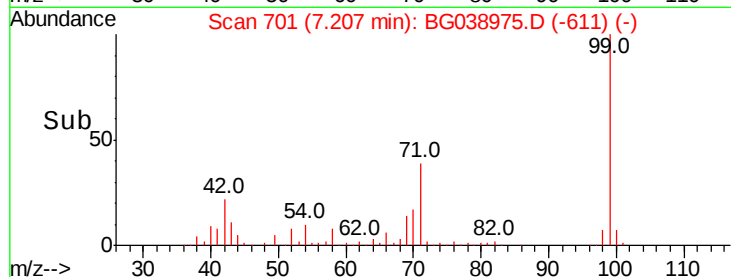
99 100

42 22.3 18.5 27.7

71 39.0 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



#10

Phenol

Concen: 2.080 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG038975.D

Acq: 7 Jan 2019 20:30

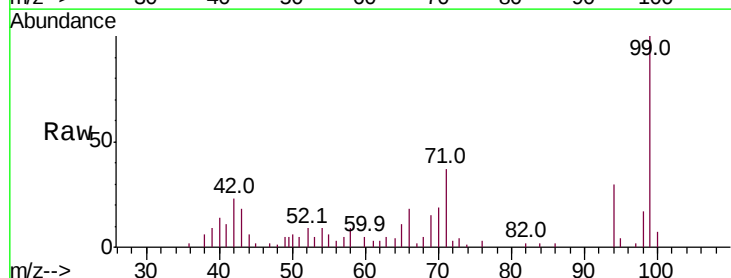
Tgt Ion: 94 Resp: 5838

Ion Ratio Lower Upper

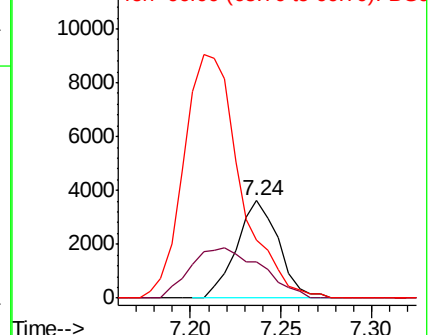
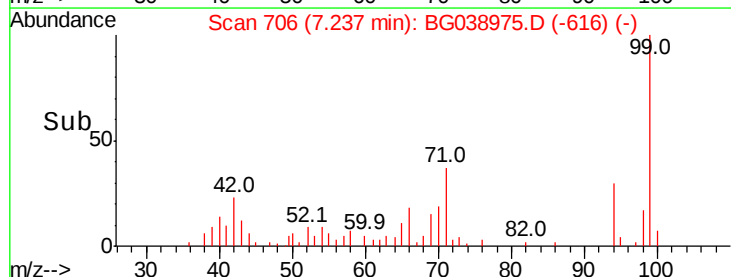
94 100

65 37.5 12.6 52.6

66 59.8 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

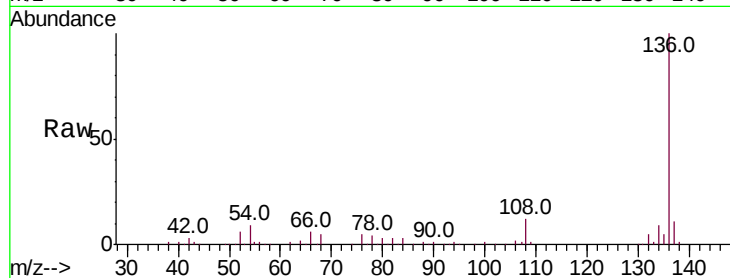




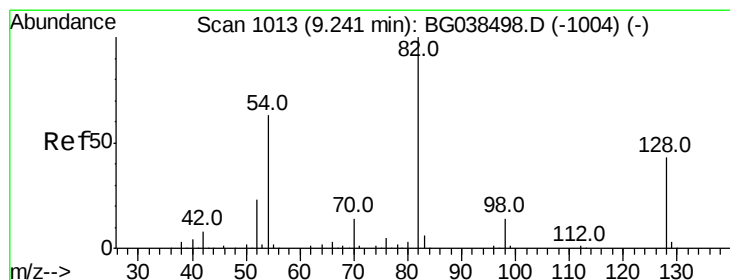
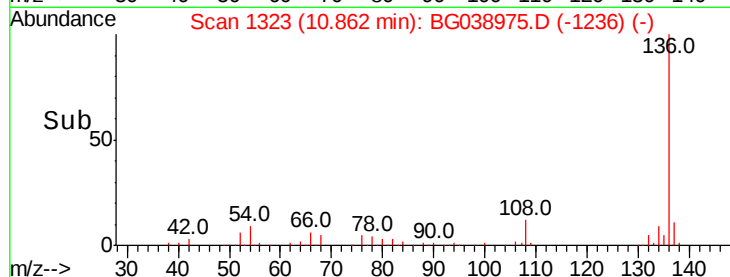
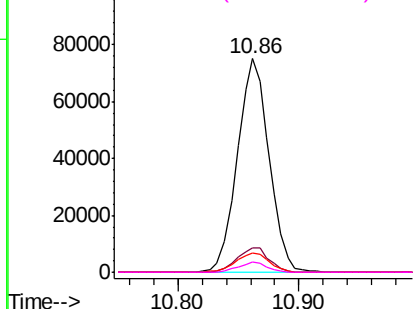
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038975.D
Acq: 7 Jan 2019 20:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	137140
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.3	13.9
54	9.2	8.5	12.7
68	4.5	3.5	5.3

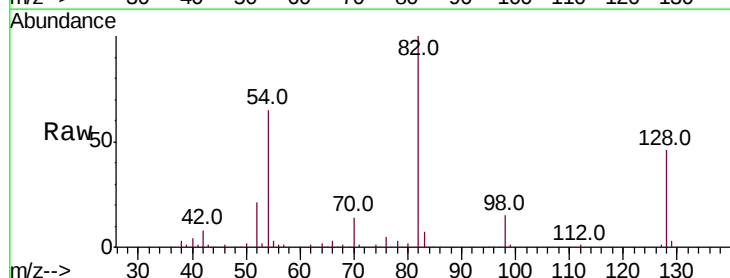


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

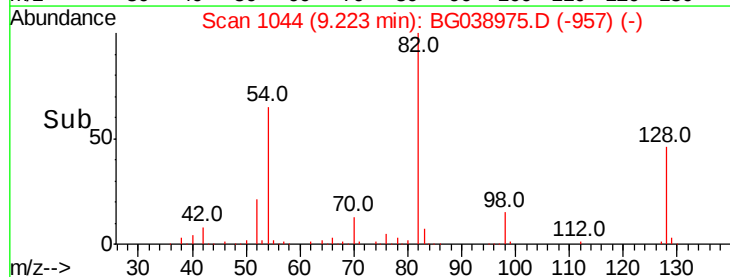
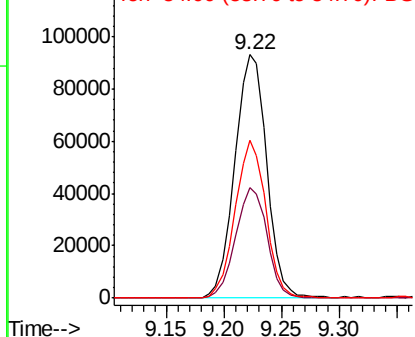


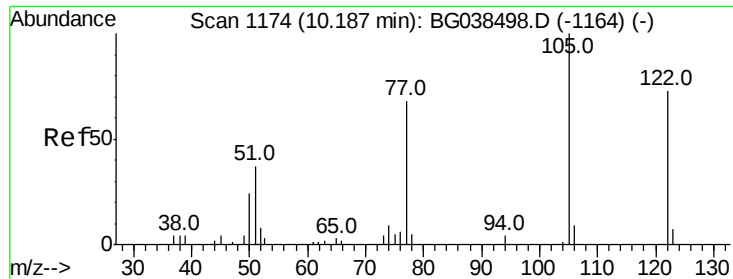
#23
Nitrobenzene-d5
Concen: 66.385 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038975.D
Acq: 7 Jan 2019 20:30

Tgt Ion:	82	Resp:	178205
Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.6	52.0
54	65.1	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

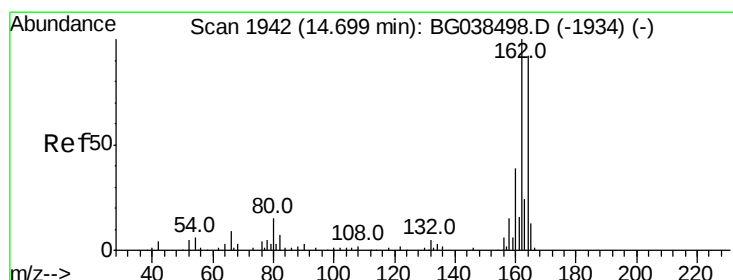
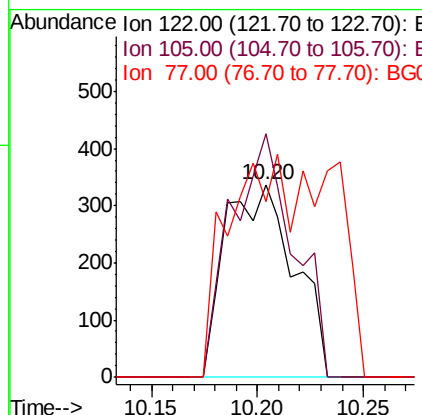
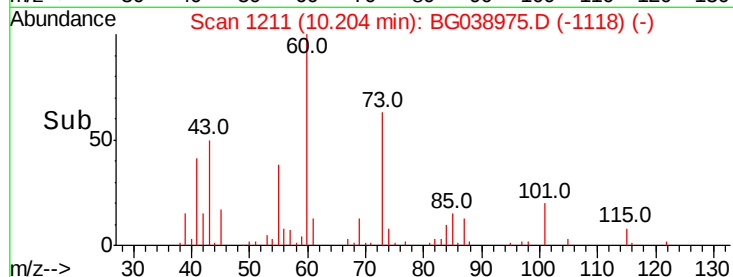
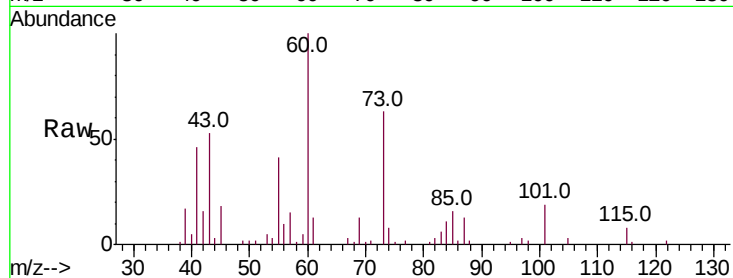




#32
Benzoic acid
Concen: 10.642 ng
RT: 10.20 min Scan# 1211
Delta R.T. 0.02 min
Lab File: BG038975.D
Acq: 7 Jan 2019 20:30

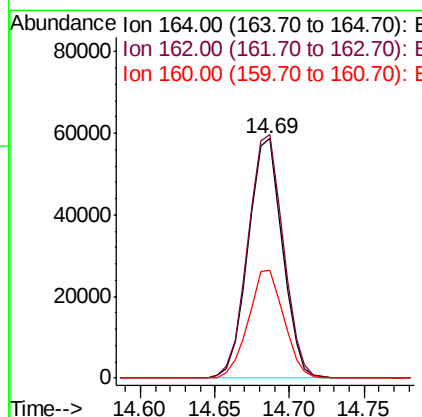
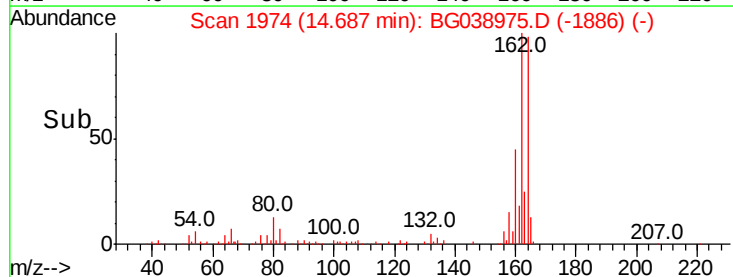
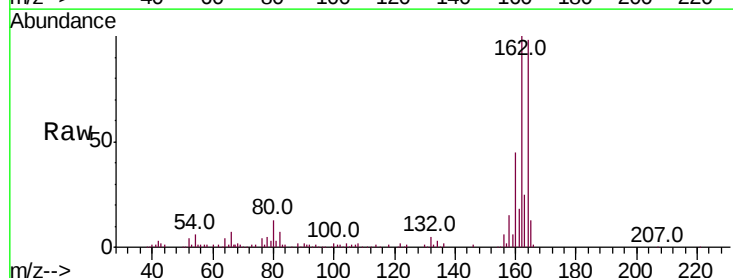
Instrument :
BNA_G
ClientSampleId :

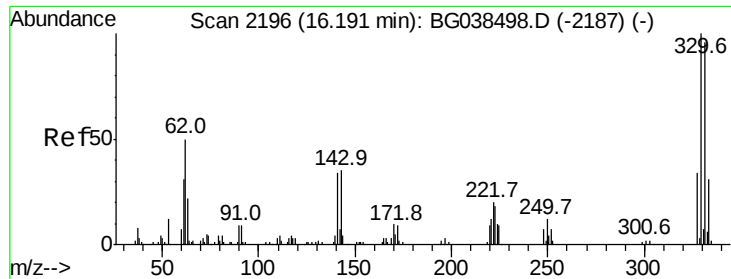
Tot Ion:122 Resp: 767
Ion Ratio Lower Upper
122 100
105 126.4 116.7 156.7
77 91.4 72.5 112.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG038975.D
Acq: 7 Jan 2019 20:30

Tgt Ion:164 Resp: 93098
Ion Ratio Lower Upper
164 100
162 101.7 86.6 130.0
160 45.3 34.2 51.2

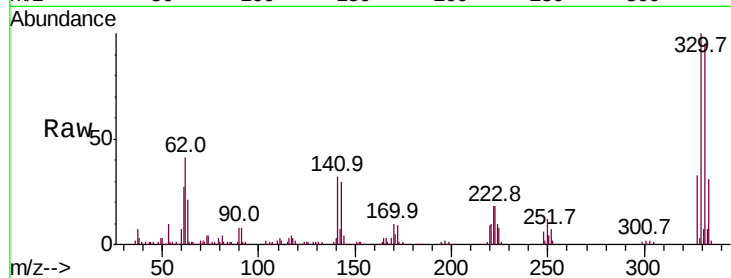




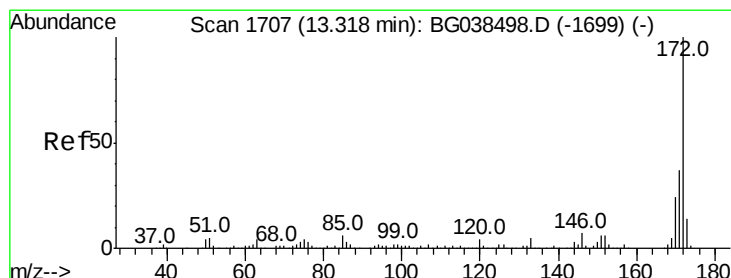
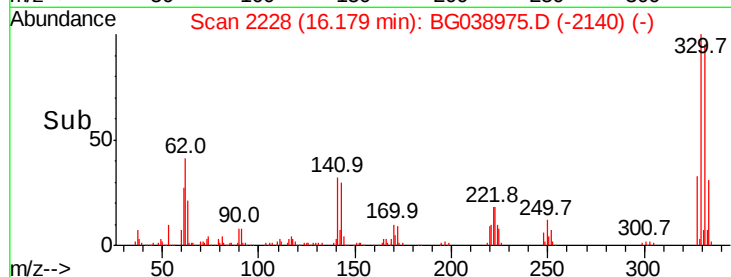
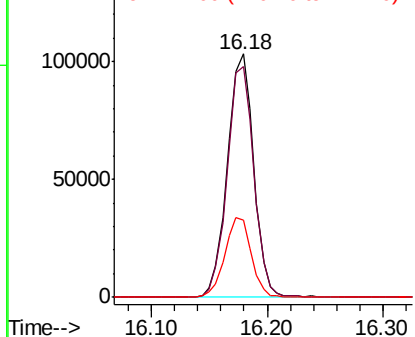
#42
 2,4,6-Tribromophenol
 Concen: 127.183 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BG038975.D
 Acq: 7 Jan 2019 20:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.9	115.3
141	33.0	28.8	43.2

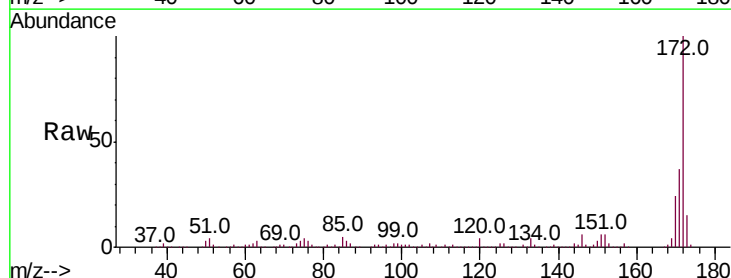


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

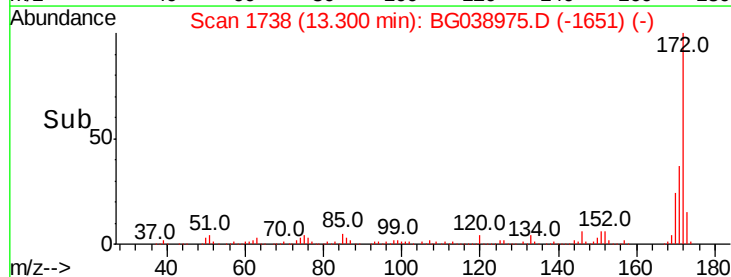
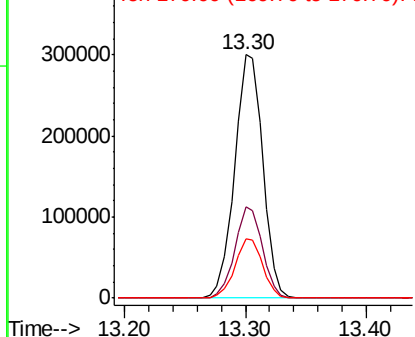


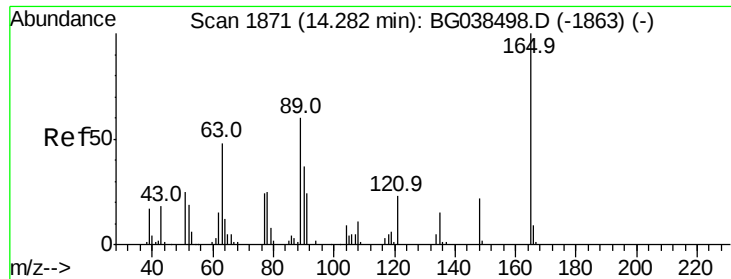
#45
 2-Fluorobiphenyl
 Concen: 71.781 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG038975.D
 Acq: 7 Jan 2019 20:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	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

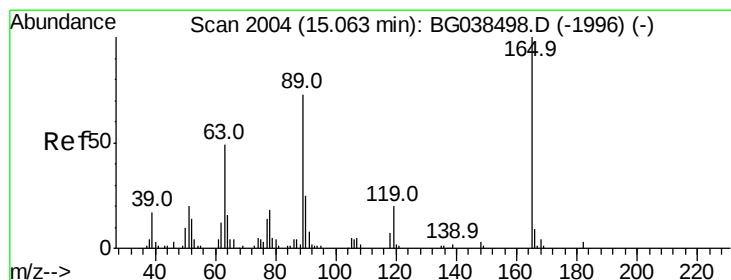
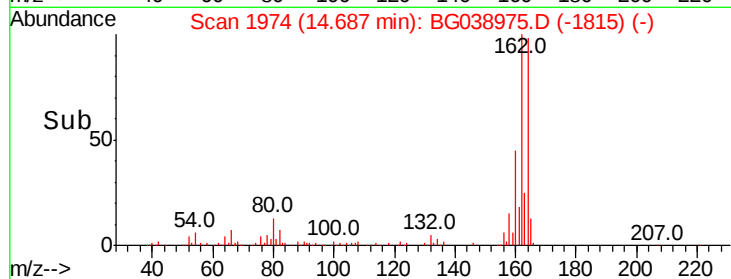
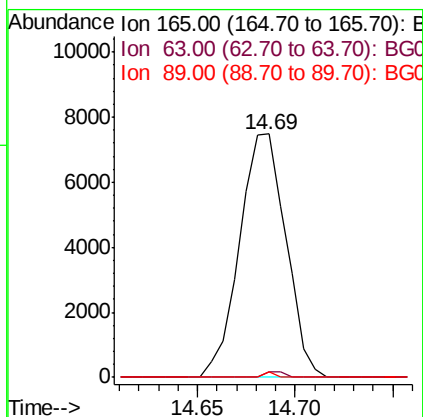
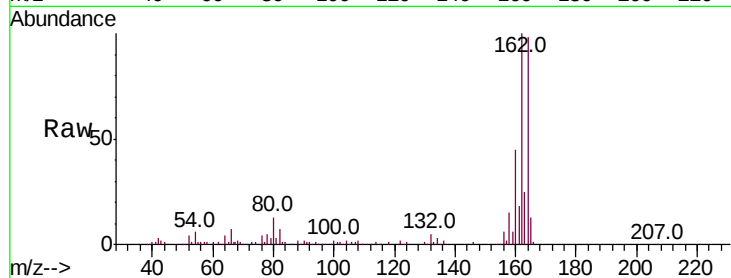




#51
 2,6-Dinitrotoluene
 Concen: 7.134 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.40 min
 Lab File: BG038975.D
 Acq: 7 Jan 2019 20:30

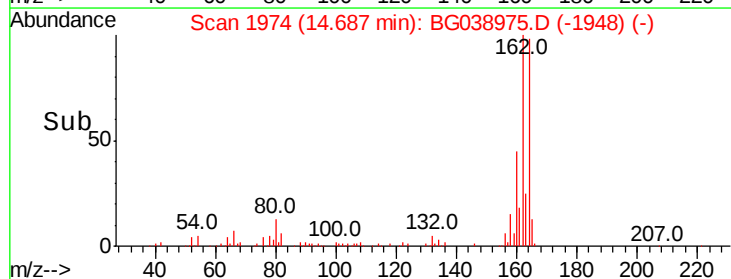
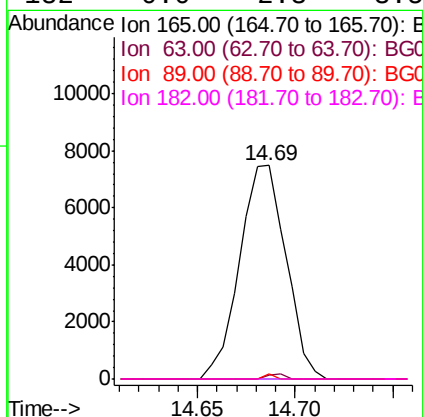
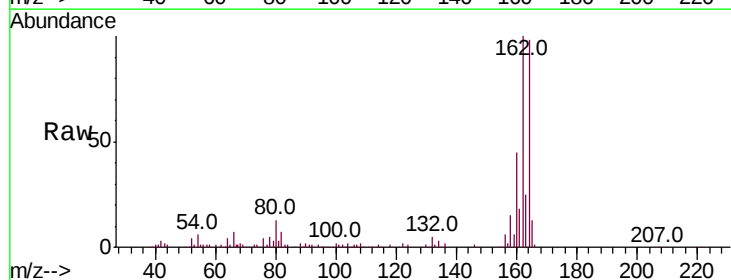
Instrument :
 BNA_G
 ClientSampleId :

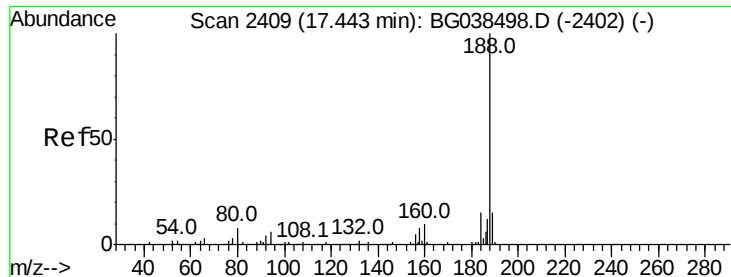
Tot Ion:165 Resp: 12292
 Ion Ratio Lower Upper
 165 100
 63 2.1 51.8 77.6#
 89 2.3 47.9 71.9#



#57
 2,4-Dinitrotoluene
 Concen: 5.065 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG038975.D
 Acq: 7 Jan 2019 20:30

Tgt Ion:165 Resp: 12292
 Ion Ratio Lower Upper
 165 100
 63 2.1 39.0 58.4#
 89 2.3 58.0 87.0#
 182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG038975.D

Acq: 7 Jan 2019 20:30

Instrument :

BNA_G

ClientSampleId :

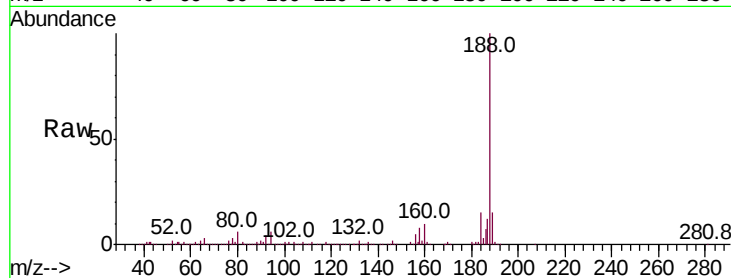
Tot Ion:188 Resp: 217924

Ion Ratio Lower Upper

188 100

94 5.7 5.1 7.7

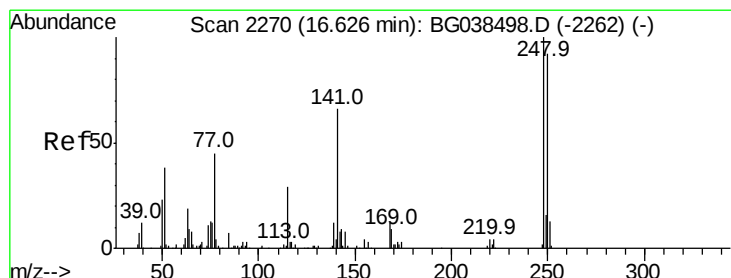
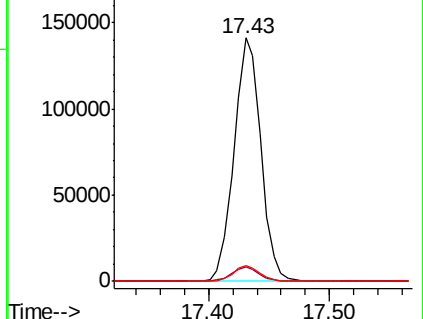
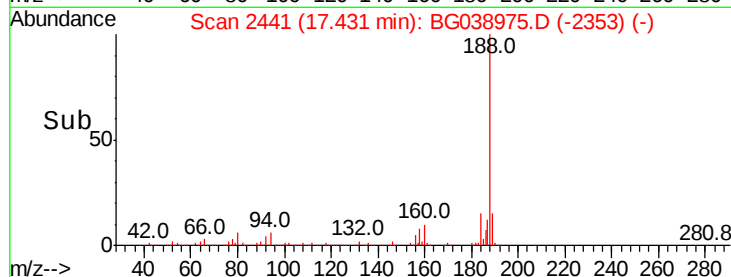
80 6.3 6.1 9.1



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: 4.156 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.45 min

Lab File: BG038975.D

Acq: 7 Jan 2019 20:30

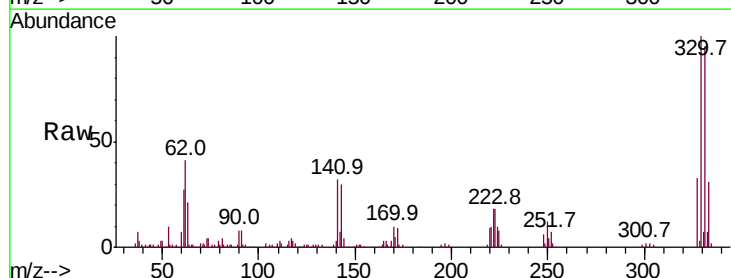
Tgt Ion:248 Resp: 11061

Ion Ratio Lower Upper

248 100

250 190.5 73.4 110.2#

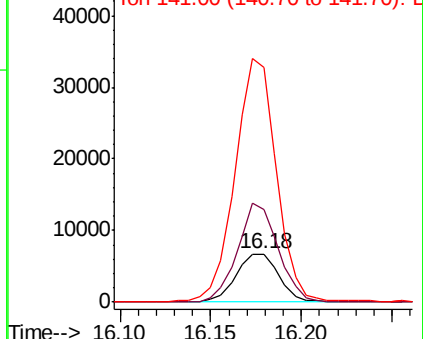
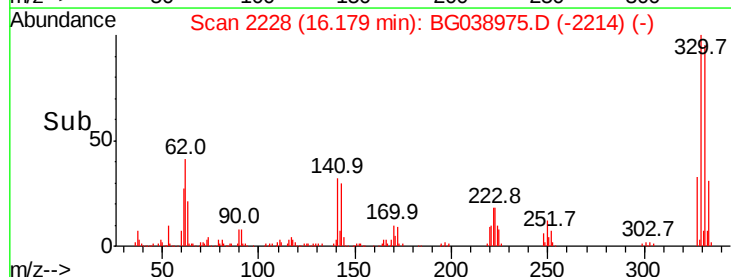
141 378.0 52.9 79.3#

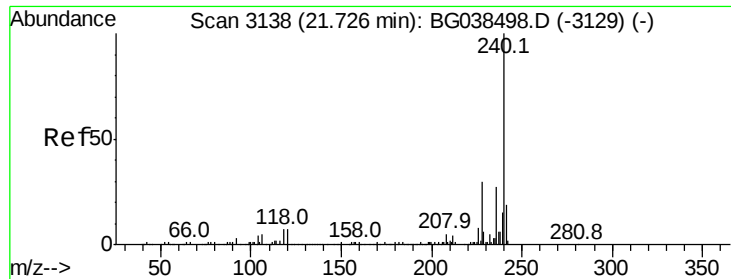


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

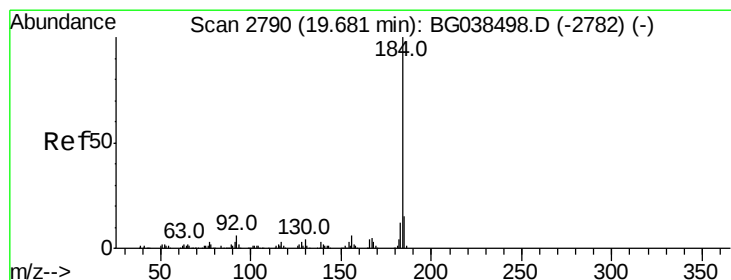
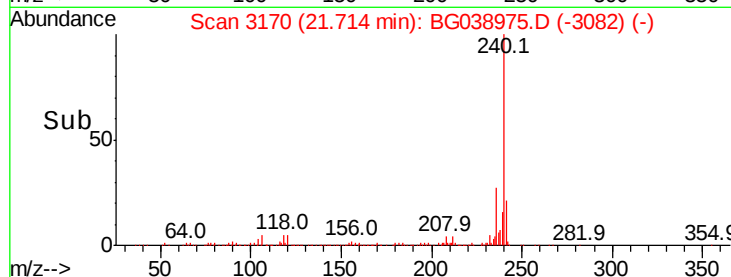
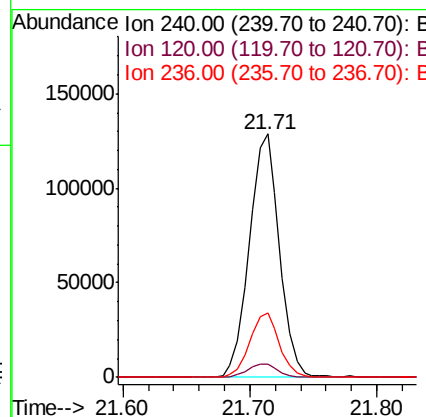
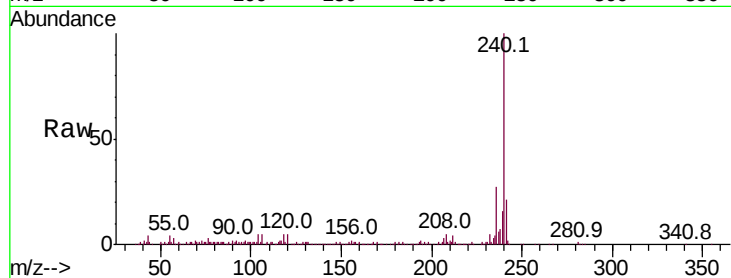




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3170
 Delta R.T. -0.01 min
 Lab File: BG038975.D
 Acq: 7 Jan 2019 20:30

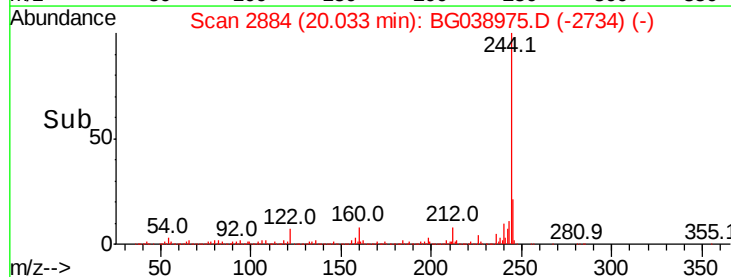
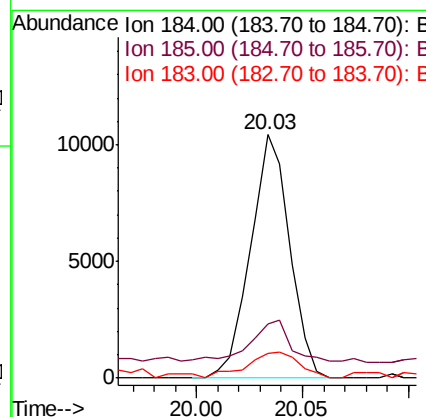
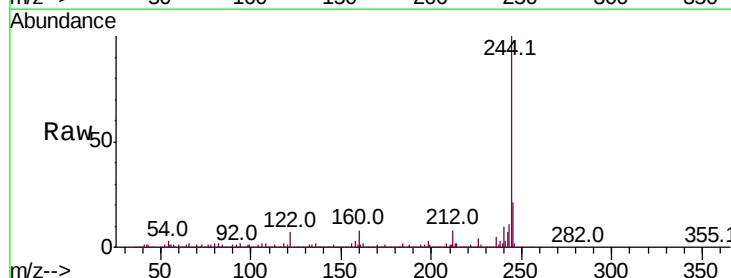
Instrument :
 BNA_G
 ClientSampleId :

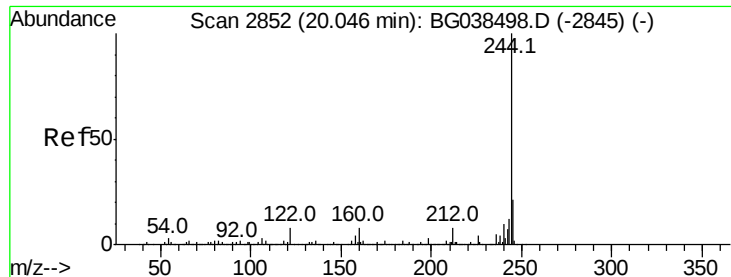
Tot Ion:240 Resp: 212104
 Ion Ratio Lower Upper
 240 100
 120 5.5 5.3 7.9
 236 26.6 21.4 32.2



#77
 Benzidine
 Concen: 2.141 ng
 RT: 20.03 min Scan# 2884
 Delta R.T. 0.35 min
 Lab File: BG038975.D
 Acq: 7 Jan 2019 20:30

Tgt Ion:184 Resp: 13428
 Ion Ratio Lower Upper
 184 100
 185 22.3 12.2 18.2#
 183 10.1 9.6 14.4



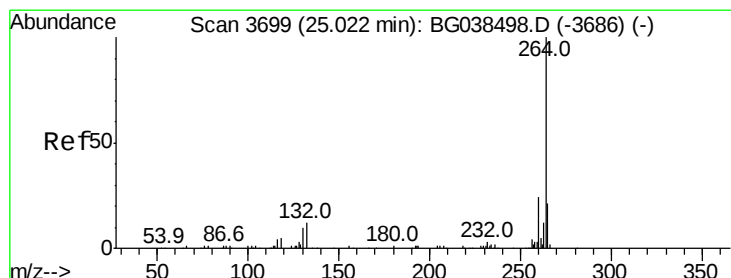
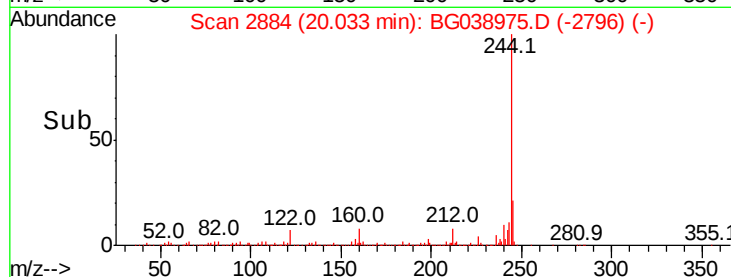
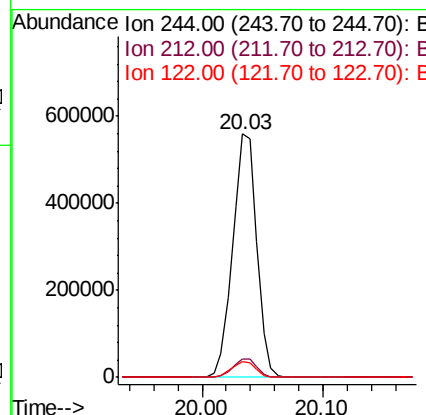
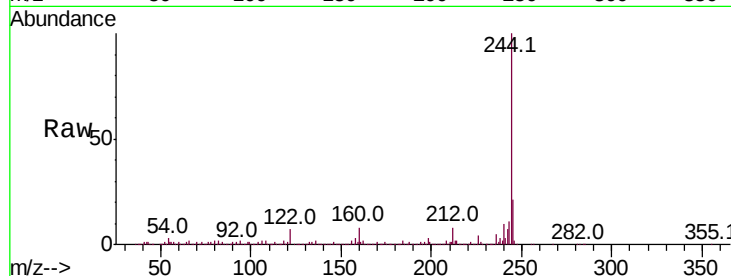


#79
 Terphenyl-d14
 Concen: 79.599 ng
 RT: 20.03 min Scan# 2884
 Delta R.T. -0.01 min
 Lab File: BG038975.D
 Acq: 7 Jan 2019 20:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 775767

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	6.6	6.3	9.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.00 min Scan# 3730
 Delta R.T. -0.02 min
 Lab File: BG038975.D
 Acq: 7 Jan 2019 20:30

Tgt Ion:264 Resp: 226830

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.9	28.3
265	22.3	17.0	25.4

