

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082819\
 Data File : BG042548.D
 Acq On : 29 Aug 2019 1:06
 Operator : HP/JU
 Sample : K4571-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 29 06:01:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	31202	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	124910	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	103058	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	272814	20.00	ng	0.00
76) Chrysene-d12	21.68	240	302204	20.00	ng	-0.01
87) Perylene-d12	24.93	264	357465	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	166284	107.93	ng	0.00
7) Phenol-d6	7.16	99	228328	109.72	ng	-0.01
23) Nitrobenzene-d5	9.17	82	127125	70.33	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	177667	121.29	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	405830	66.60	ng	0.00
79) Terphenyl-d14	20.02	244	904027	64.67	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.19	94	12763	6.032	ng	82
19) n-Nitroso-di-n-propylamine	9.16	70	16515	12.250	ng	# 73
50) Dimethylphthalate	14.10	163	39233	5.276	ng	99
51) 2,6-Dinitrotoluene	14.66	165	13860	8.041	ng	# 36
52) Acenaphthene	14.72	154	44805	8.538	ng	97
55) Dibenzofuran	15.06	168	36538	4.206	ng	97
56) 4-Nitrophenol	15.06	139	11846	9.671	ng	# 14
57) 2,4-Dinitrotoluene	14.66	165	13860	5.615	ng	# 38
58) Fluorene	15.71	166	35495	4.999	ng	95
67) 4-Bromophenyl-phenylether	16.15	248	12202	3.526	ng	# 1
71) Phenanthrene	17.45	178	132441	9.773	ng	99
75) Fluoranthene	19.46	202	141620	8.563	ng	96
78) Pvrene	19.83	202	103401	5.581	ng	96

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

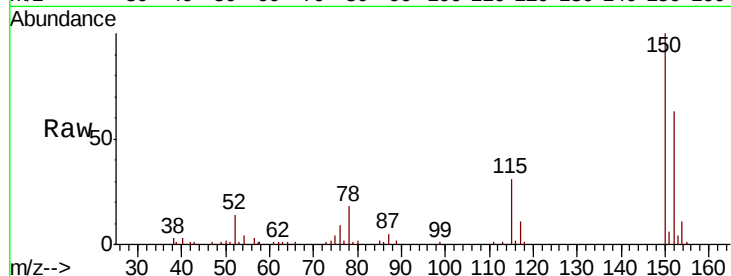


#1

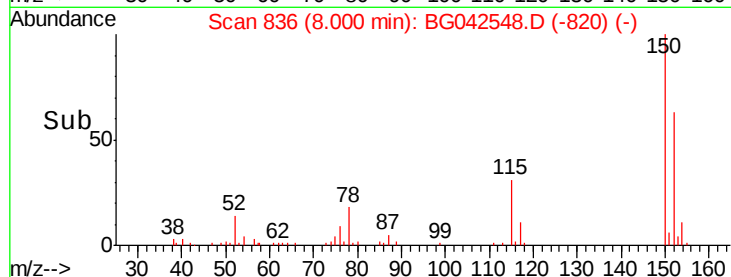
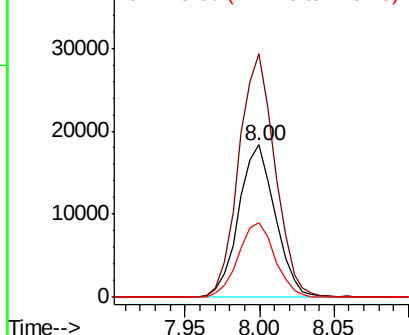
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042548.D
Acq: 29 Aug 2019 1:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 31202
Ion Ratio Lower Upper
152 100
150 159.9 125.4 188.0
115 49.0 38.5 57.7



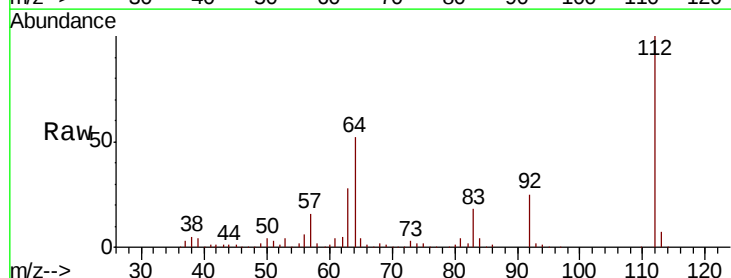
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



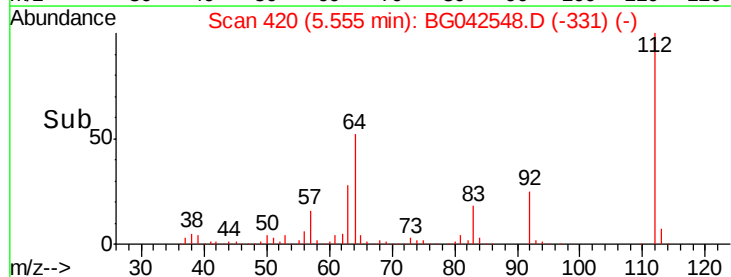
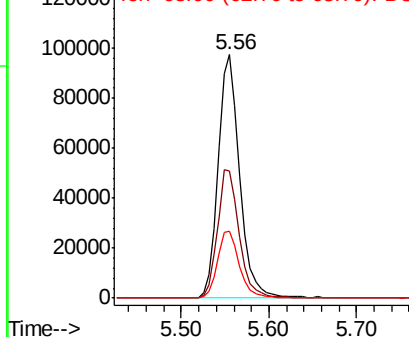
#5

2-Fluorophenol
Concen: 107.933 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042548.D
Acq: 29 Aug 2019 1:06

Tgt Ion:112 Resp: 166284
Ion Ratio Lower Upper
112 100
64 52.5 42.8 64.2
63 27.6 22.7 34.1



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: 109.719 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

Instrument :

BNA_G

ClientSampleId :

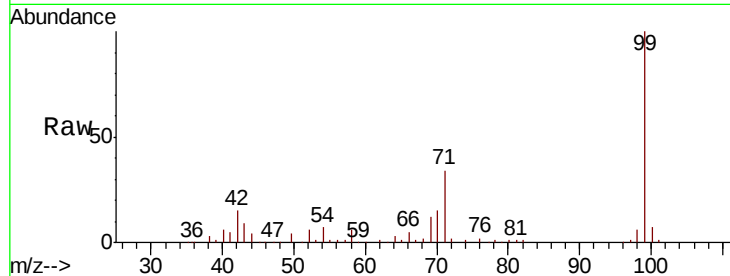
Tot Ion: 99 Resp: 228328

Ion Ratio Lower Upper

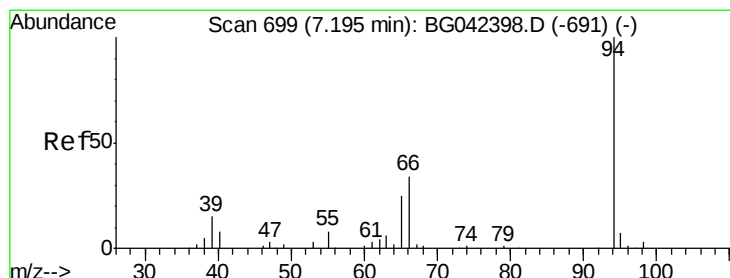
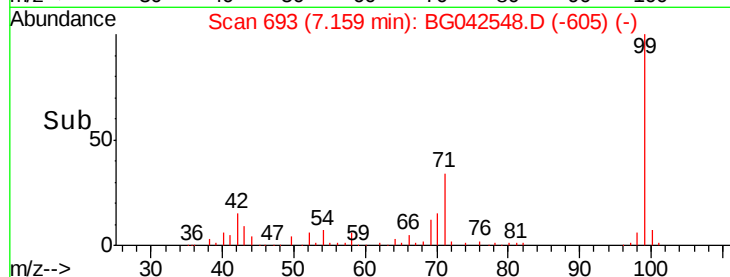
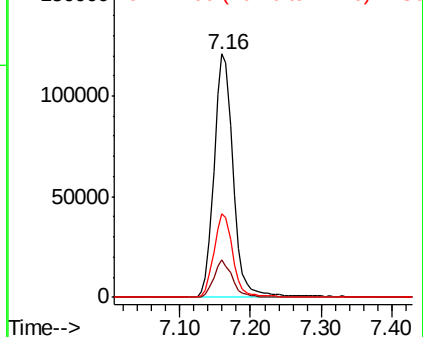
99 100

42 15.2 12.0 18.0

71 34.4 26.3 39.5



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: 6.032 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

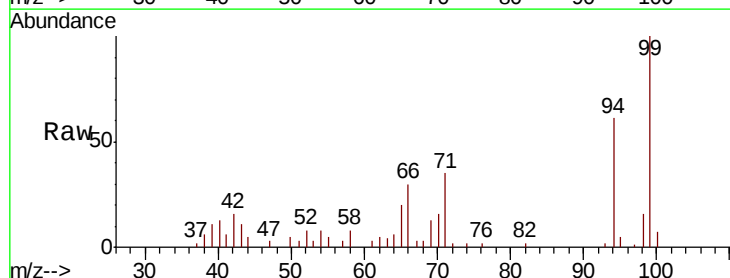
Tgt Ion: 94 Resp: 12763

Ion Ratio Lower Upper

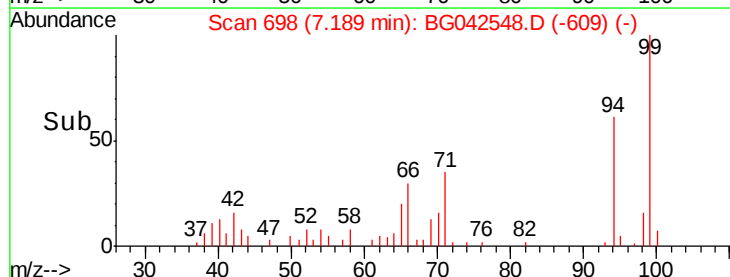
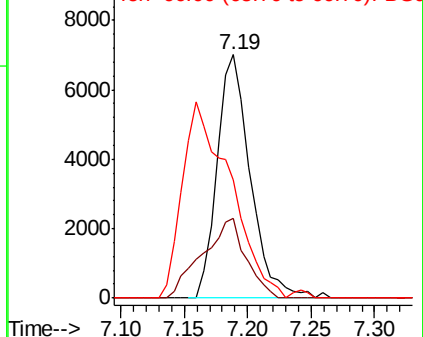
94 100

65 32.7 5.6 45.6

66 48.6 16.0 56.0



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

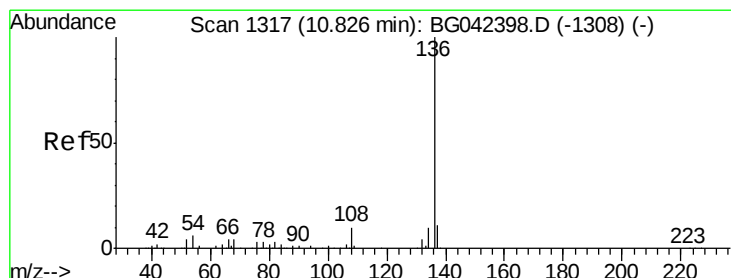
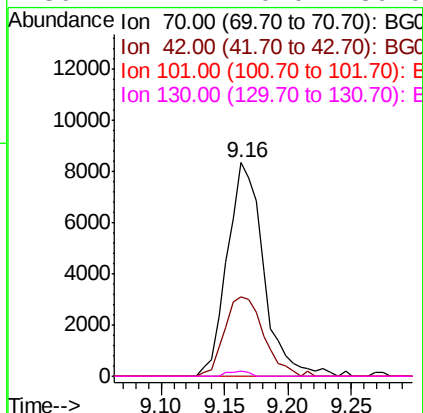
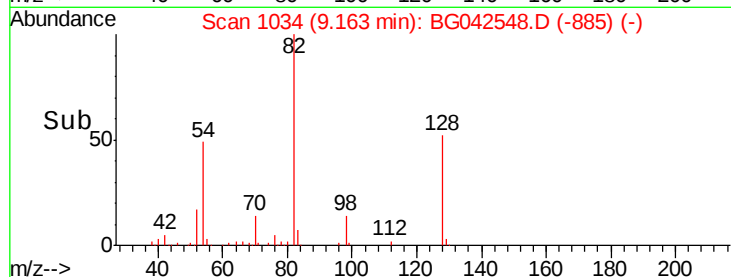
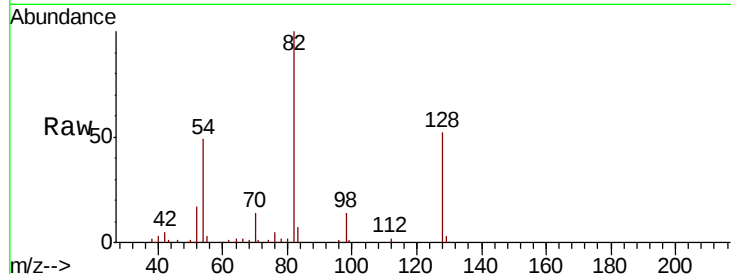




#19
n-Nitroso-di-n-propylamine
Concen: 12.250 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042548.D
Acq: 29 Aug 2019 1:06

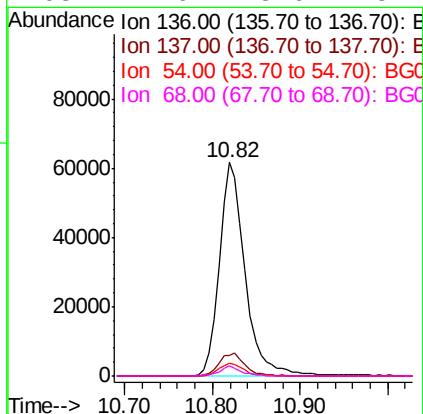
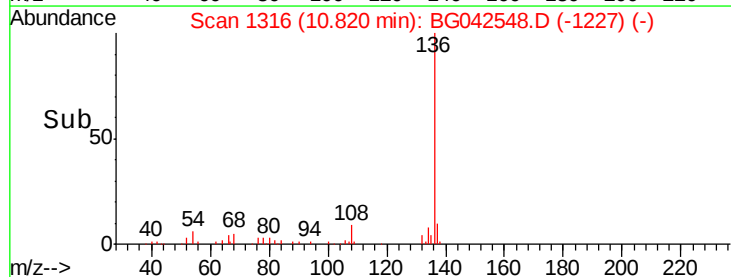
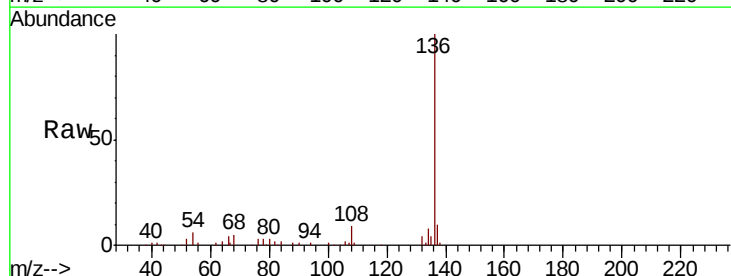
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 16515
Ion Ratio Lower Upper
70 100
42 37.2 38.8 58.2#
101 0.0 9.0 13.6#
130 2.4 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042548.D
Acq: 29 Aug 2019 1:06

Tgt Ion: 136 Resp: 124910
Ion Ratio Lower Upper
136 100
137 9.8 8.7 13.1
54 6.1 4.9 7.3
68 4.6 3.6 5.4

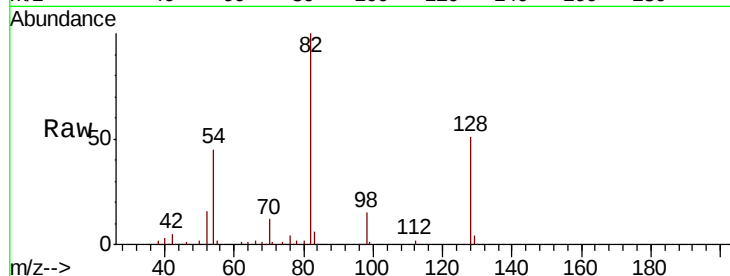




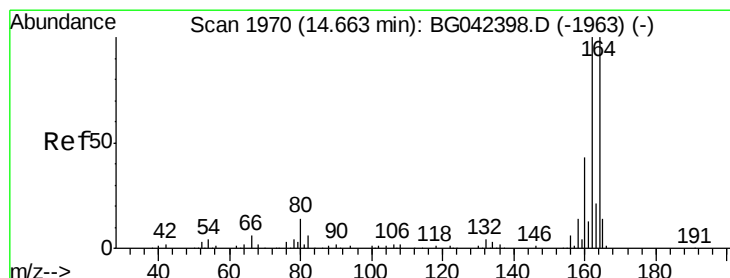
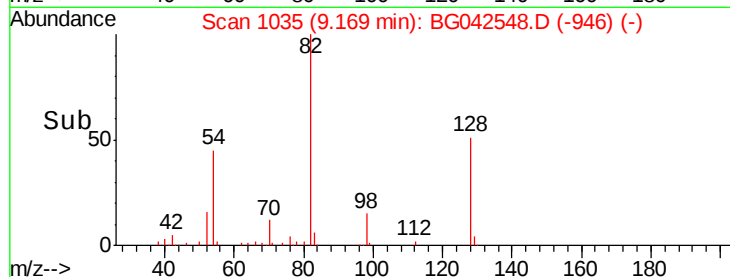
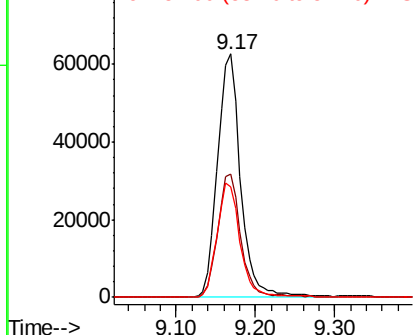
#23
Nitrobenzene-d5
Concen: 70.329 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042548.D
Acq: 29 Aug 2019 1:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	127125
Ion Ratio	Lower	Upper	
82	100		
128	50.7	40.7	61.1
54	45.5	36.3	54.5

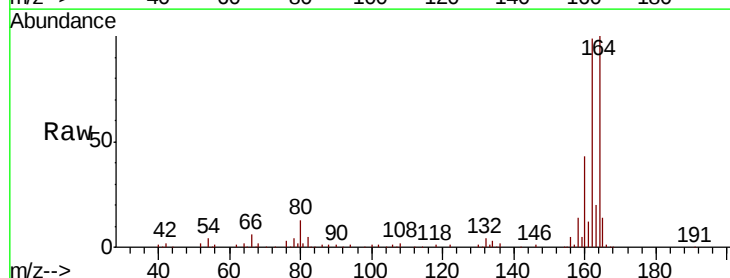


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

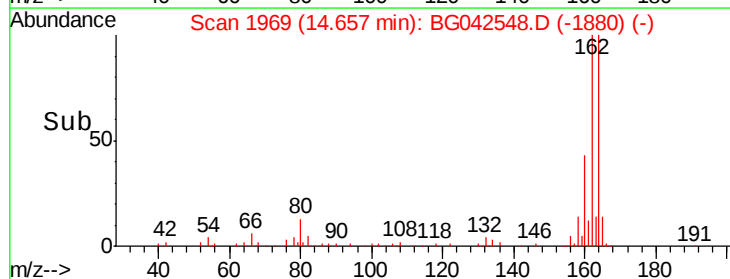
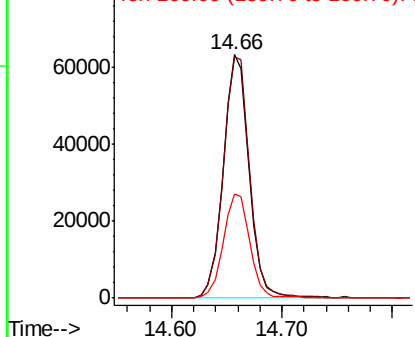


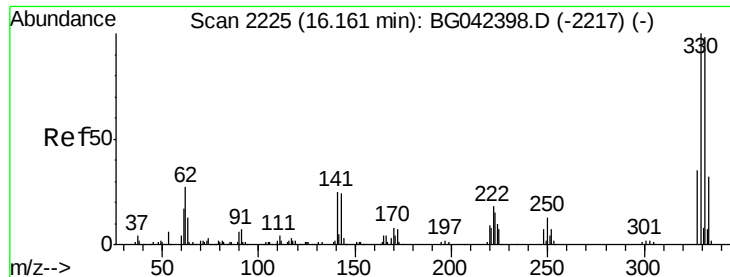
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042548.D
Acq: 29 Aug 2019 1:06

Tgt Ion	164	Resp	103058
Ion Ratio	Lower	Upper	
164	100		
162	99.2	79.9	119.9
160	42.9	34.3	51.5



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

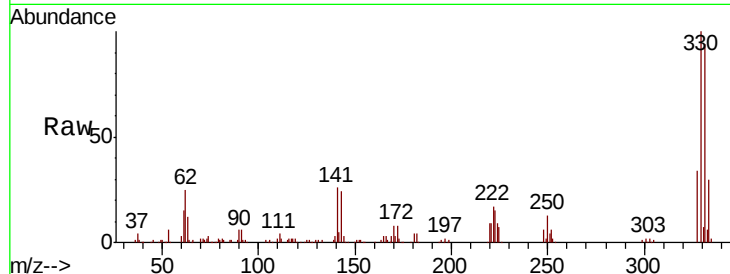




#42
 2,4,6-Tribromophenol
 Concen: 121.291 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG042548.D
 Acq: 29 Aug 2019 1:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	330	Resp	177667
Ion Ratio	100	Lower	Upper
330	100		
332	96.6	77.4	116.0
141	26.7	21.4	32.0

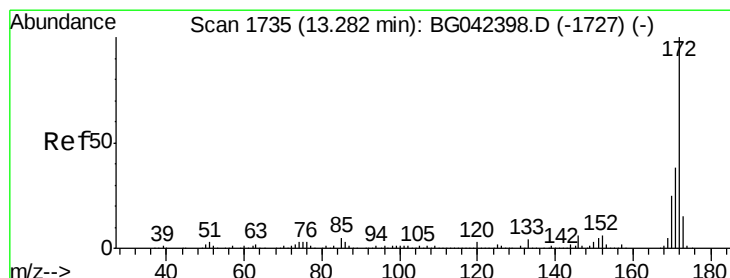
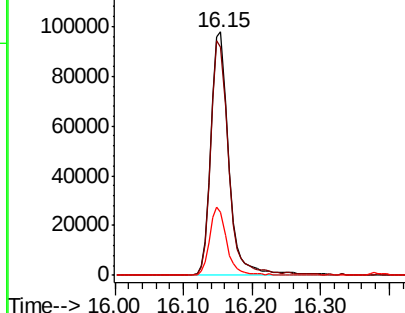
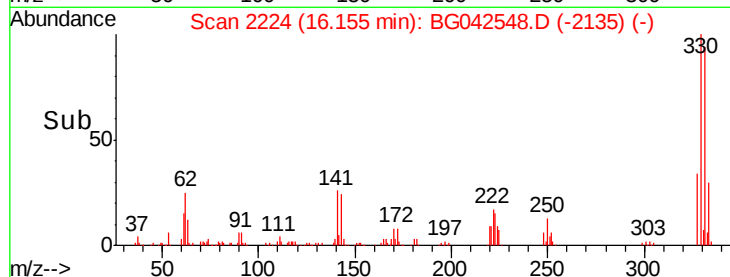


Abundance

Ion 329.80 (329.50 to 330.50): E

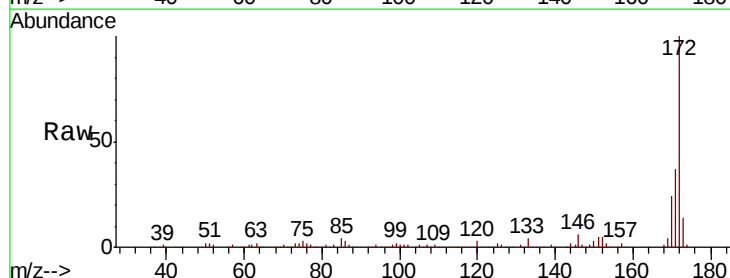
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 66.601 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042548.D
 Acq: 29 Aug 2019 1:06

Tgt Ion	172	Resp	405830
Ion Ratio	100	Lower	Upper
172	100		
171	36.9	30.5	45.7
170	24.0	20.2	30.2

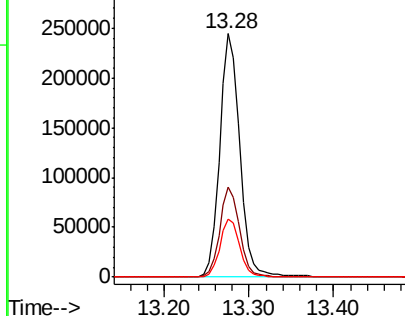
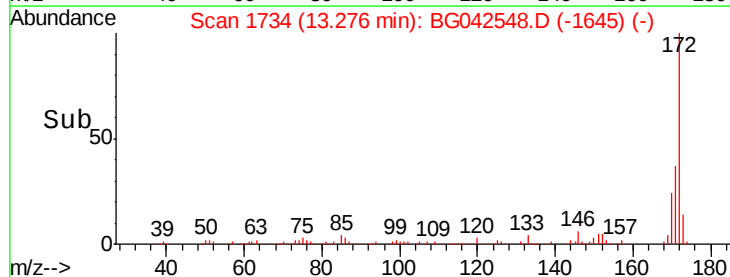


Abundance

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

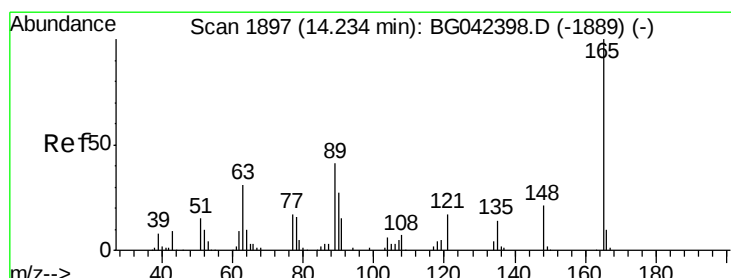
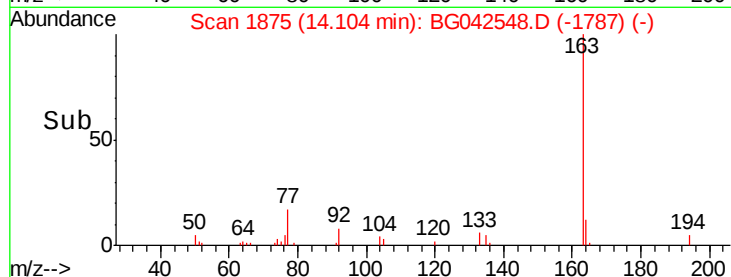
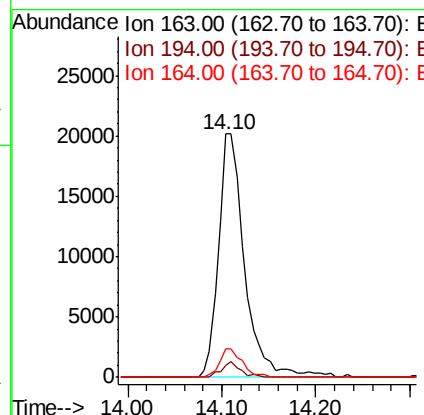
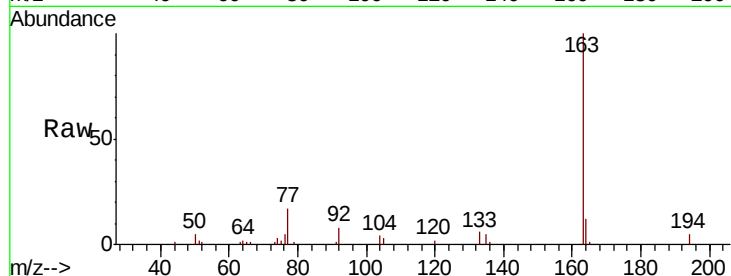




#50
Dimethylphthalate
Concen: 5.276 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042548.D
Acq: 29 Aug 2019 1:06

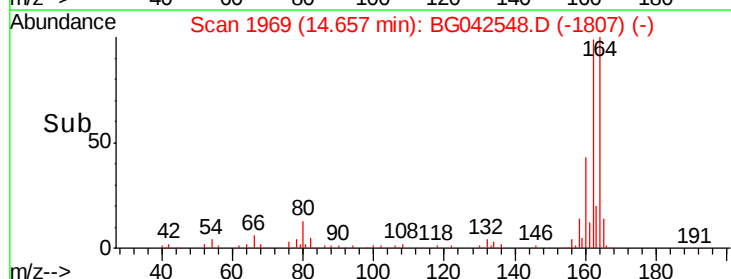
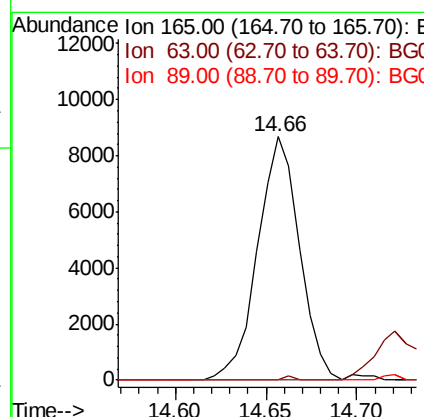
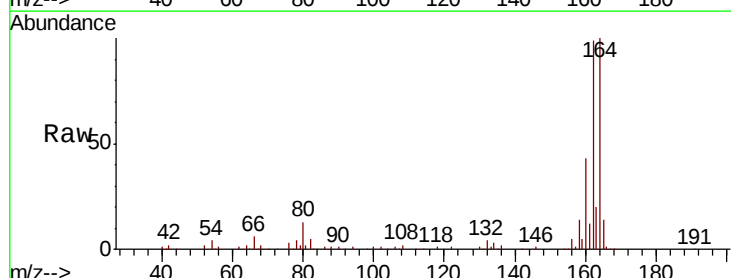
Instrument :
BNA_G
ClientSampled :

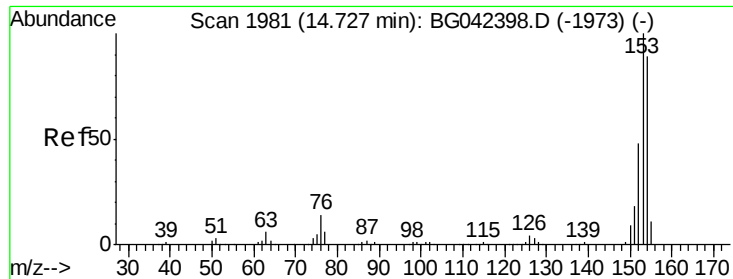
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.9	4.2	6.2
164	11.6	8.8	13.2



#51
2,6-Dinitrotoluene
Concen: 8.041 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.42 min
Lab File: BG042548.D
Acq: 29 Aug 2019 1:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.6	45.8#
89	0.0	32.6	49.0#





#52

Acenaphthene

Concen: 8.538 ng

RT: 14.72 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

Instrument :

BNA_G

ClientSampleId :

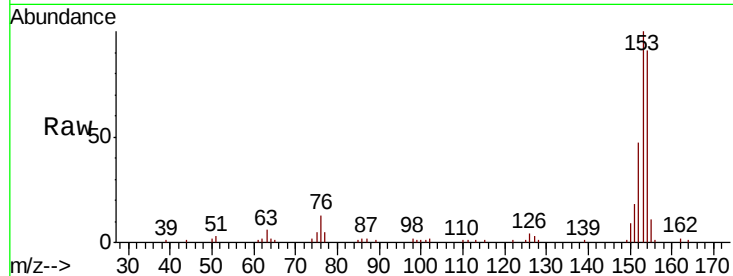
Tot Ion:154 Resp: 44805

Ion Ratio Lower Upper

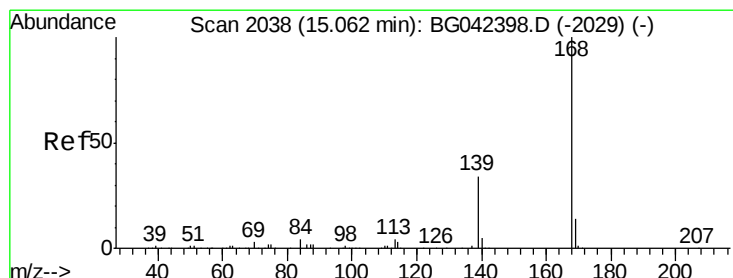
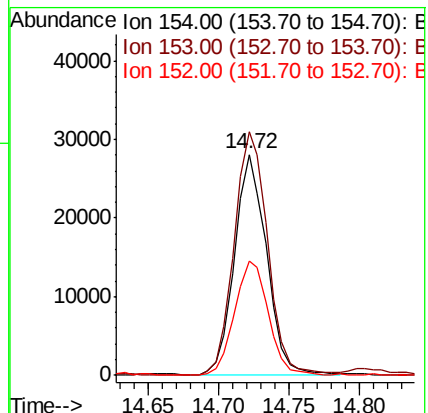
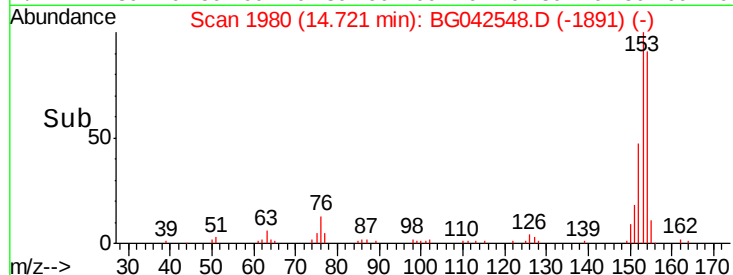
154 100

153 110.1 90.2 135.4

152 51.5 43.2 64.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 4.206 ng

RT: 15.06 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

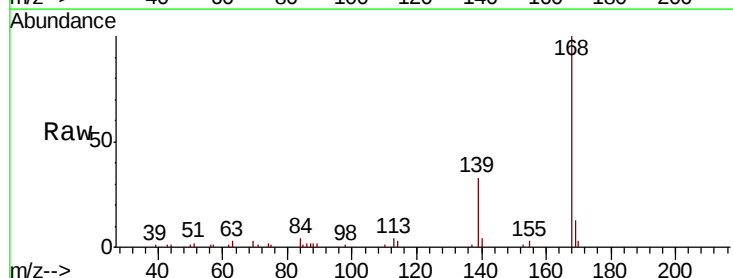
Tgt Ion:168 Resp: 36538

Ion Ratio Lower Upper

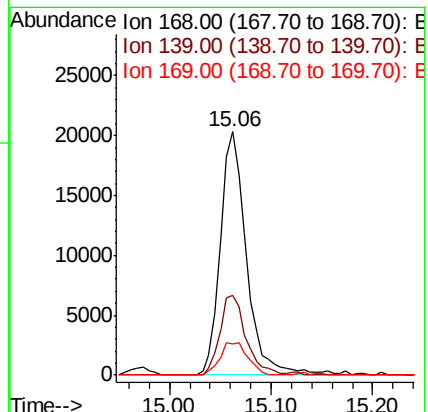
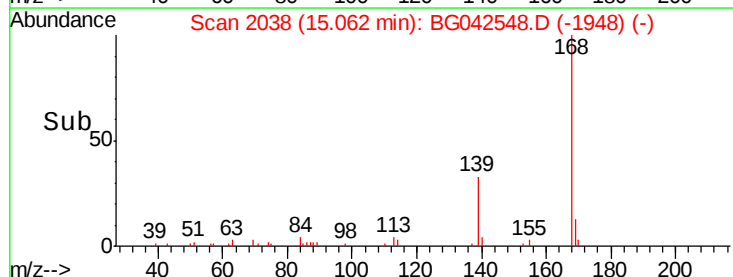
168 100

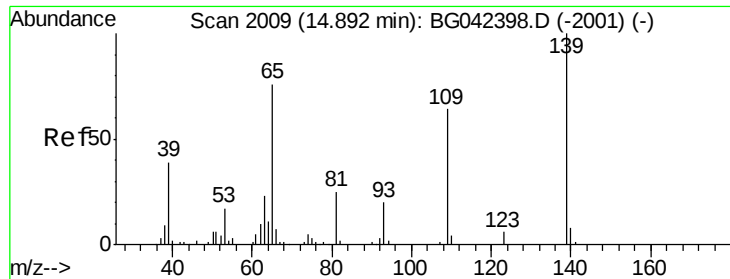
139 32.7 27.2 40.8

169 12.6 11.5 17.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 9.671 ng

RT: 15.06 min Scan# 2038

Delta R.T. 0.17 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

Instrument :

BNA_G

ClientSampleId :

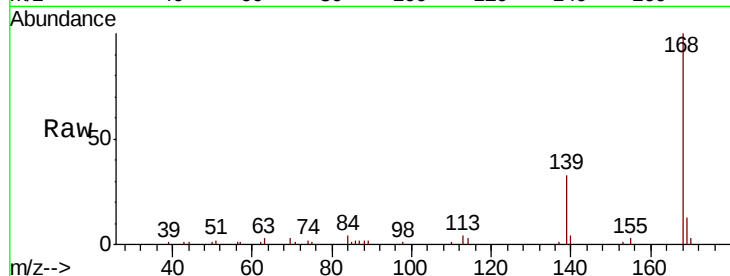
Tot Ion:139 Resp: 11846

Ion Ratio Lower Upper

139 100

109 0.0 43.9 83.9#

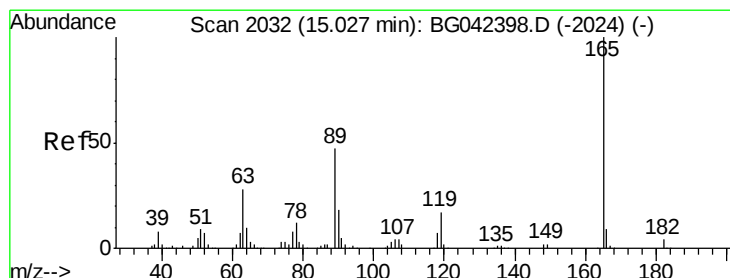
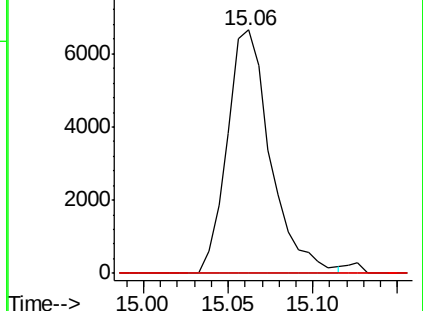
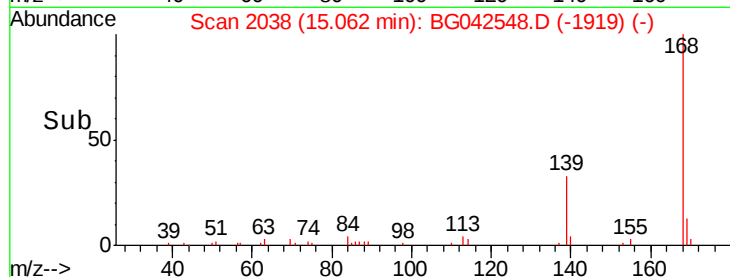
65 0.0 56.3 96.3#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#57

2,4-Dinitrotoluene

Concen: 5.615 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.37 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

Tgt Ion:165 Resp: 13860

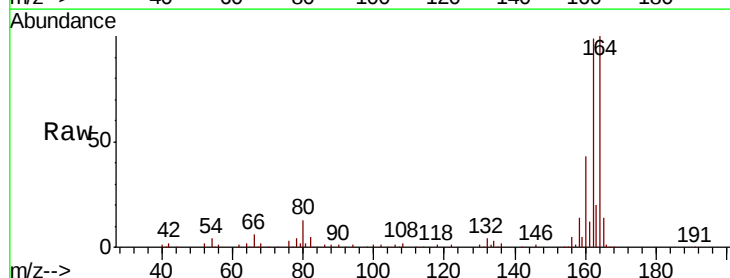
Ion Ratio Lower Upper

165 100

63 0.0 22.5 33.7#

89 0.0 37.8 56.6#

182 0.0 3.0 4.4#

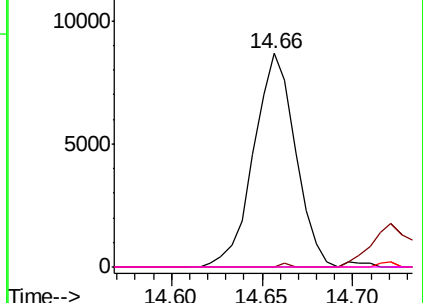
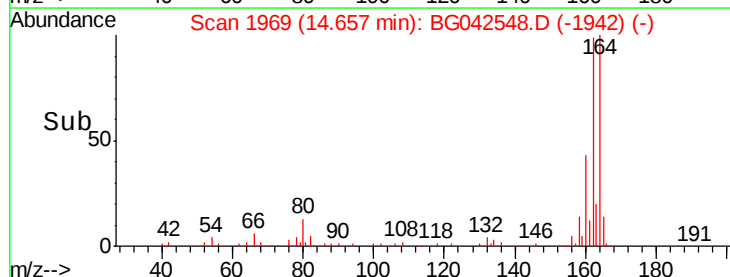


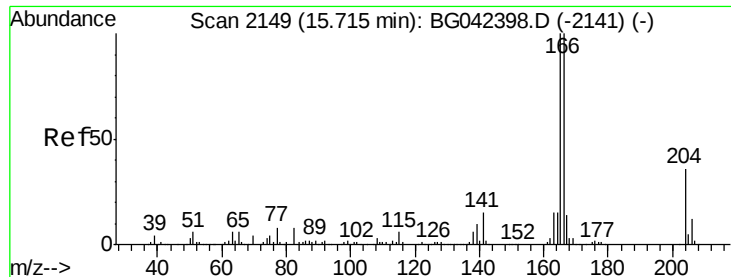
Abundance Ion 165.00 (164.70 to 165.70): E

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

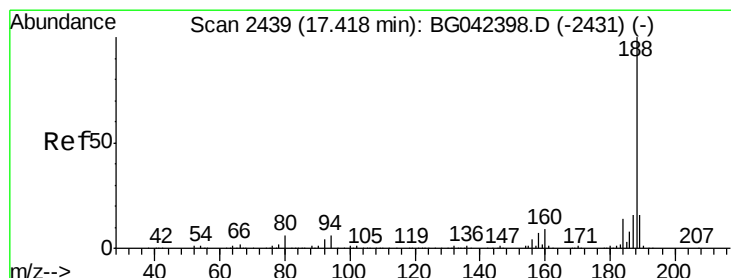
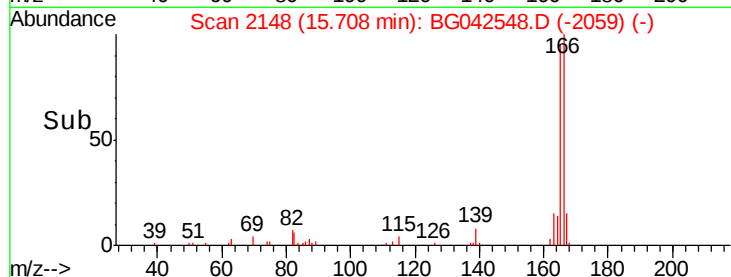
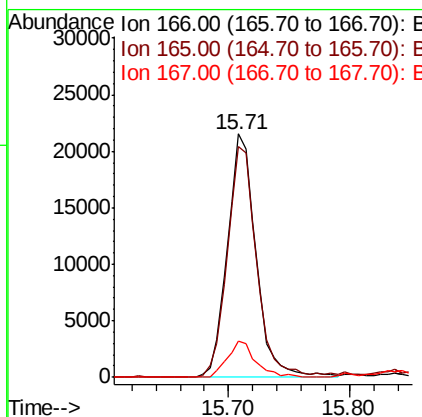
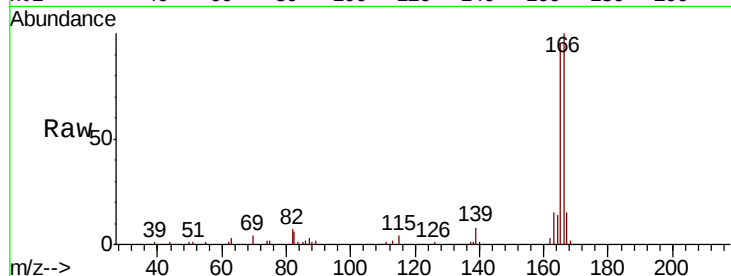




#58
 Fluorene
 Concen: 4.999 ng
 RT: 15.71 min Scan# 2148
 Delta R.T. -0.01 min
 Lab File: BG042548.D
 Acq: 29 Aug 2019 1:06

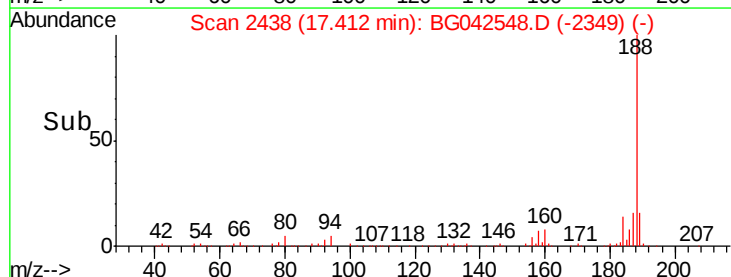
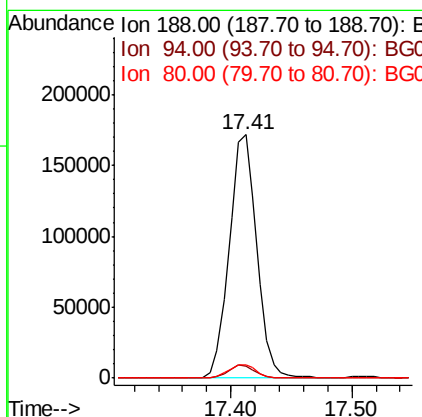
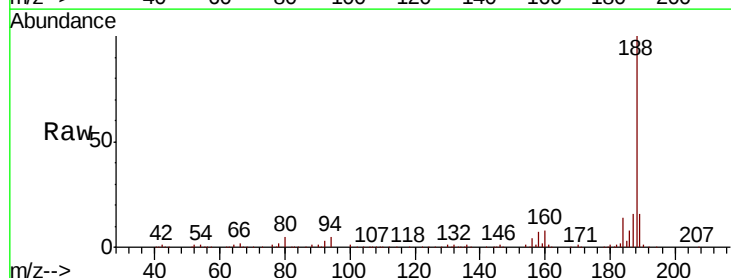
Instrument :
 BNA_G
 ClientSampled :

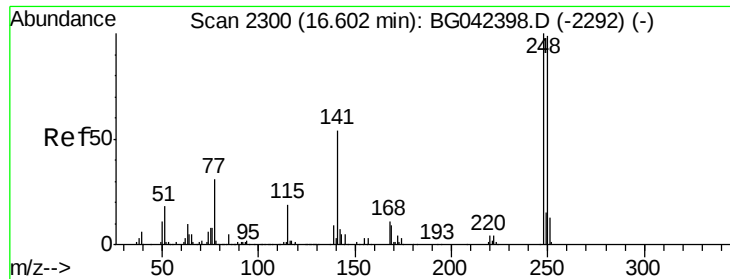
Tot Ion:166 Resp: 35495
 Ion Ratio Lower Upper
 166 100
 165 94.7 79.7 119.5
 167 14.7 10.9 16.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042548.D
 Acq: 29 Aug 2019 1:06

Tgt Ion:188 Resp: 272814
 Ion Ratio Lower Upper
 188 100
 94 5.0 4.5 6.7
 80 5.4 4.9 7.3

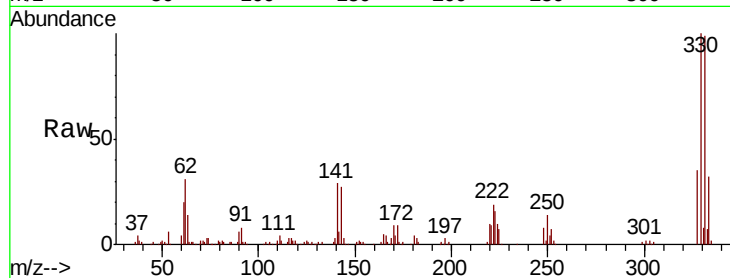




#67
 4-Bromophenyl-phenylether
 Concen: 3.526 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042548.D
 Acq: 29 Aug 2019 1:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	172.8	78.9	118.3#
141	363.0	43.3	64.9#

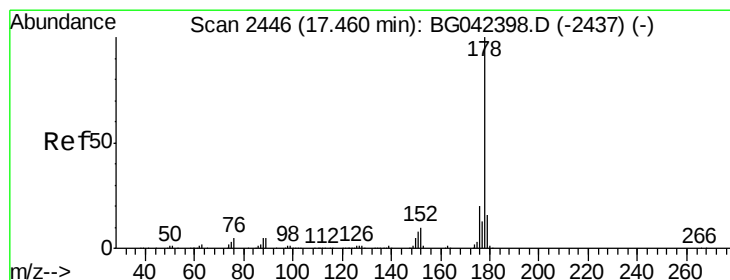
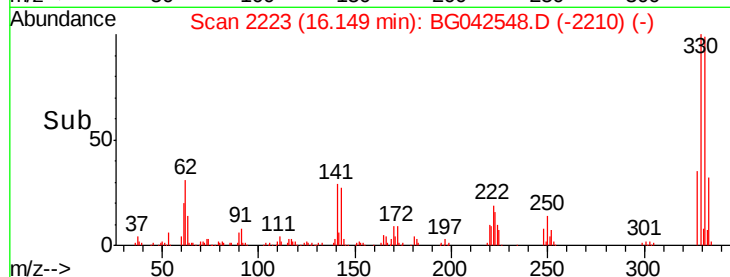
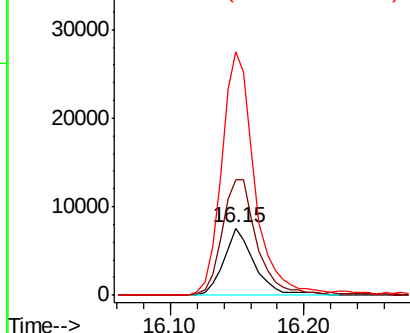


Abundance

Ion 248.00 (247.70 to 248.70): E

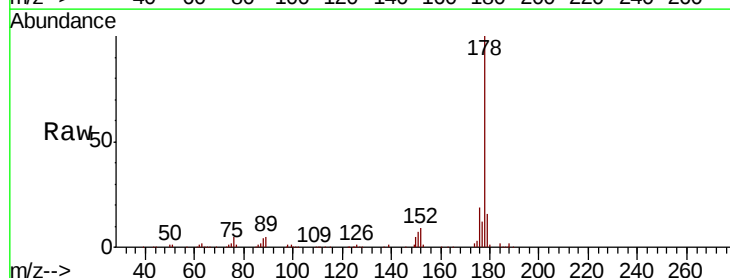
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 9.773 ng
 RT: 17.45 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BG042548.D
 Acq: 29 Aug 2019 1:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.9	23.9
179	15.9	12.7	19.1

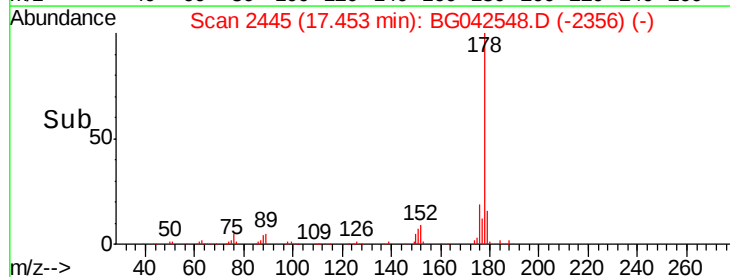
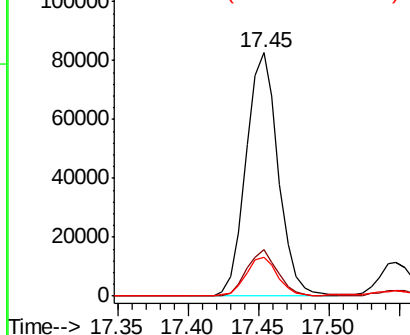


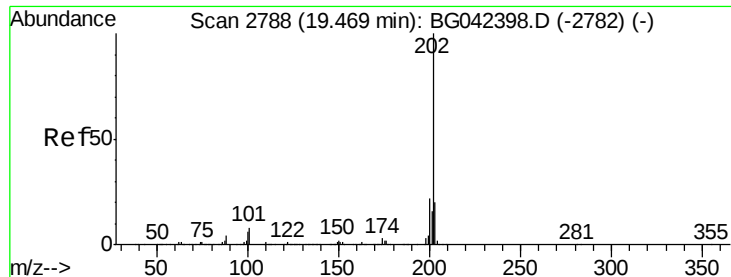
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.563 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

Instrument :

BNA_G

ClientSampleId :

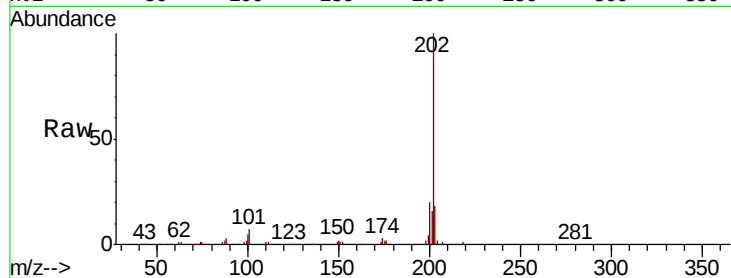
Tot Ion:202 Resp: 141620

Ion Ratio Lower Upper

202 100

101 6.7 0.0 28.3

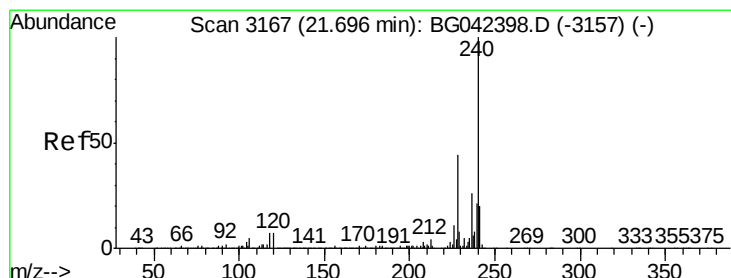
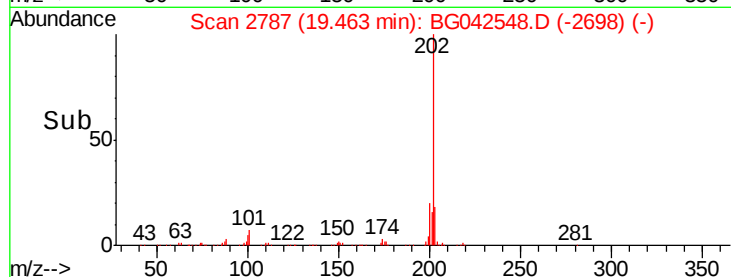
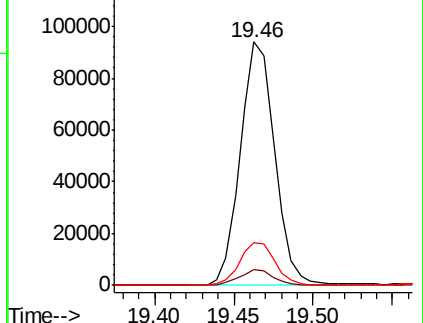
203 17.6 0.0 39.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

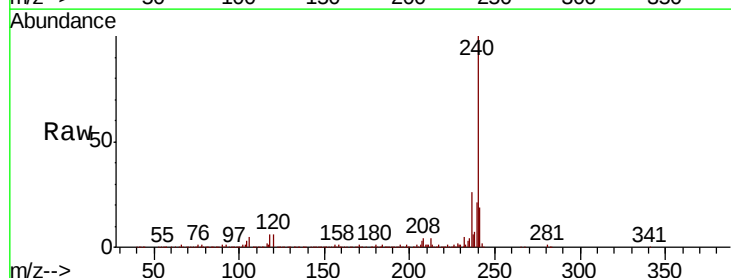
Tgt Ion:240 Resp: 302204

Ion Ratio Lower Upper

240 100

120 6.3 5.7 8.5

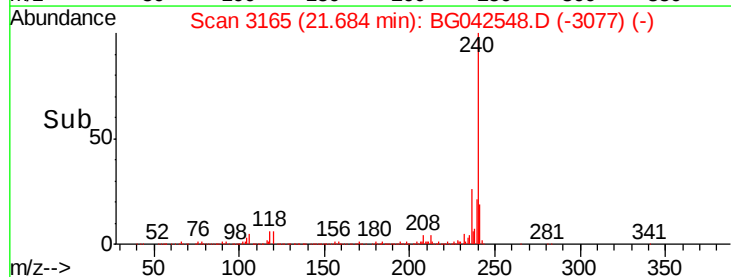
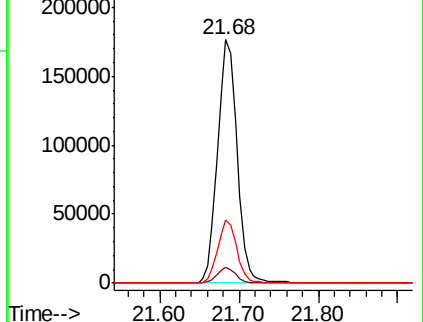
236 26.0 21.0 31.4

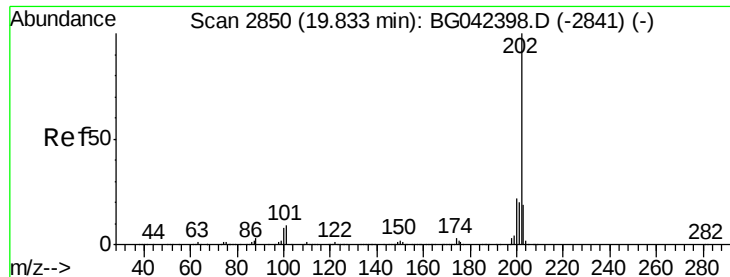


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

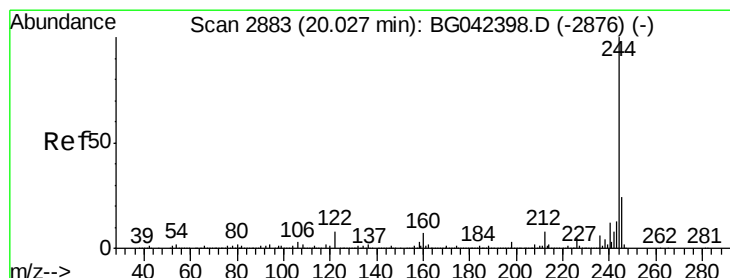
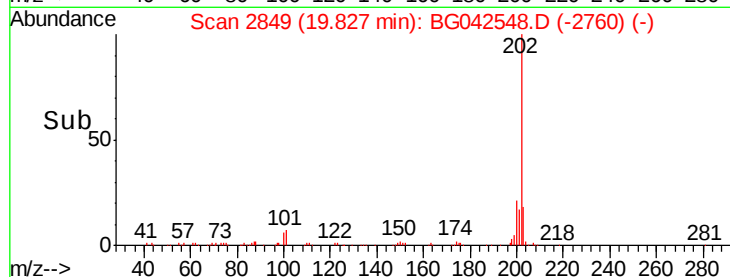
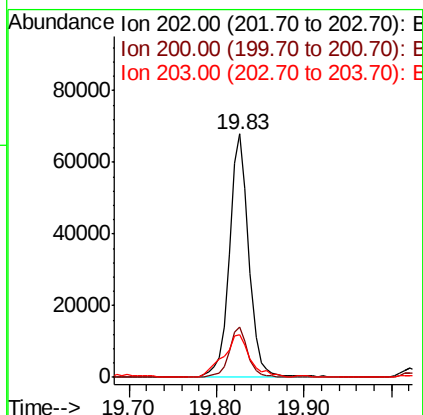
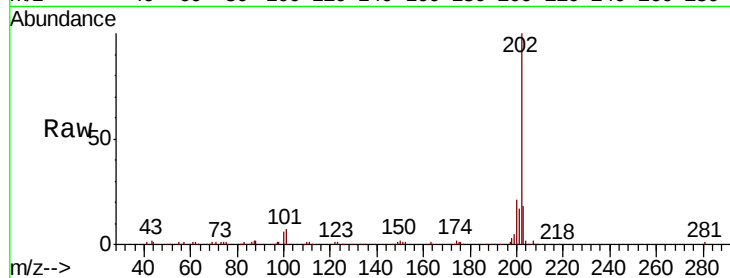




#78
Pvrene
Concen: 5.581 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG042548.D
Acq: 29 Aug 2019 1:06

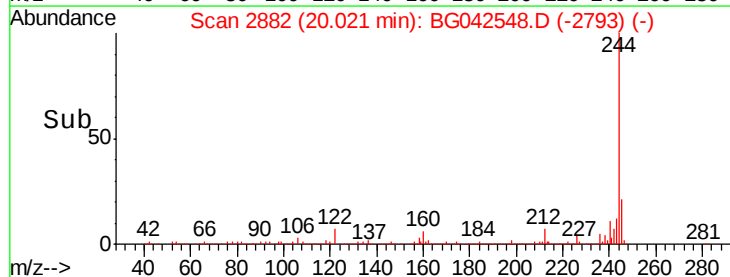
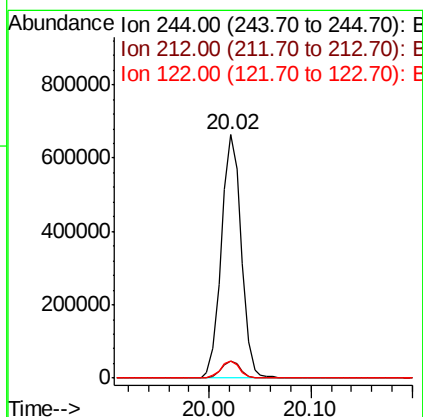
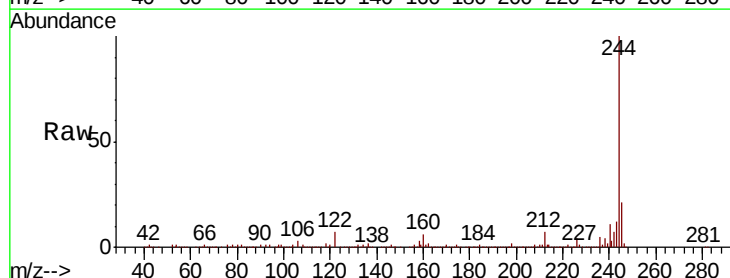
Instrument :
BNA_G
ClientSampleId :

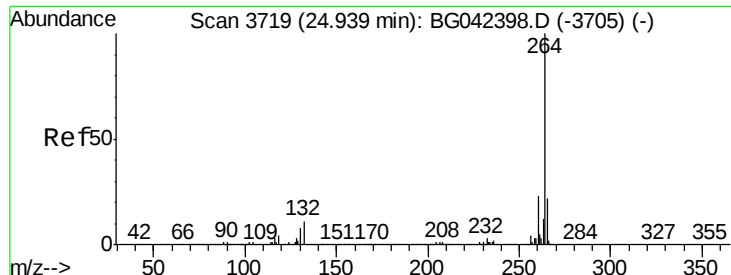
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.8	26.6
203	17.5	15.5	23.3



#79
Terphenyl-d14
Concen: 64.673 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.01 min
Lab File: BG042548.D
Acq: 29 Aug 2019 1:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	6.9	6.7	10.1





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3717
 Delta R.T. -0.01 min
 Lab File: BG042548.D
 Acq: 29 Aug 2019 1:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	21.6	17.6	26.4

