

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082819\
 Data File : BG042550.D
 Acq On : 29 Aug 2019 2:40
 Operator : HP/JU
 Sample : K4575-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 29 06:01:51 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	35229	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	137299	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	108367	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	276219	20.00	ng	0.00
76) Chrysene-d12	21.68	240	306021	20.00	ng	-0.01
87) Perylene-d12	24.93	264	363241	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	161201	92.67	ng	0.00
7) Phenol-d6	7.16	99	216027	91.94	ng	-0.01
23) Nitrobenzene-d5	9.16	82	120046	60.42	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	158916	103.17	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	367636	57.38	ng	0.00
79) Terphenyl-d14	20.02	244	721014	50.94	ng	0.00

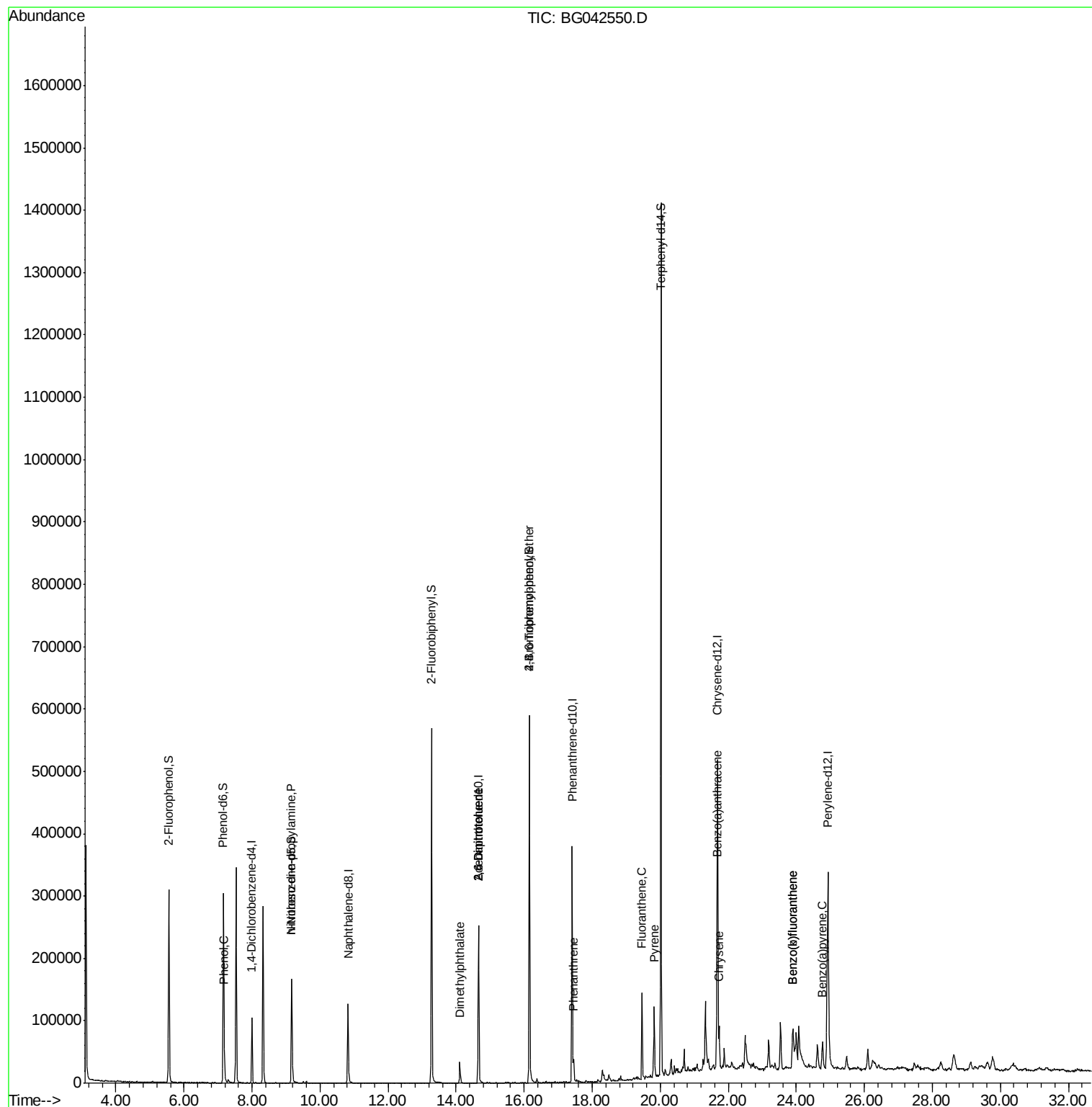
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.19	94	12185	5.101	ng	78
19) n-Nitroso-di-n-propylamine	9.16	70	15392	10.112	ng	# 73
50) Dimethylphthalate	14.11	163	35605	4.554	ng	98
51) 2,6-Dinitrotoluene	14.66	165	13953	7.699	ng	# 37
57) 2,4-Dinitrotoluene	14.66	165	13953	5.376	ng	# 40
67) 4-Bromophenyl-phenylether	16.15	248	10389	2.965	ng	# 1
71) Phenanthrene	17.45	178	28498	2.077	ng	98
75) Fluoranthene	19.46	202	97682	5.834	ng	94
78) Pyrene	19.83	202	81496	4.344	ng	97
81) Benzo(a)anthracene	21.67	228	42506	2.283	ng	98
83) Chrysene	21.73	228	51842	2.888	ng	100
88) Benzo(b)fluoranthene	23.89	252	82765	4.145	ng	# 96
89) Benzo(k)fluoranthene	23.89	252	82765	4.312	ng	# 96
90) Benzo(a)pyrene	24.77	252	52928	2.793	ng	99

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

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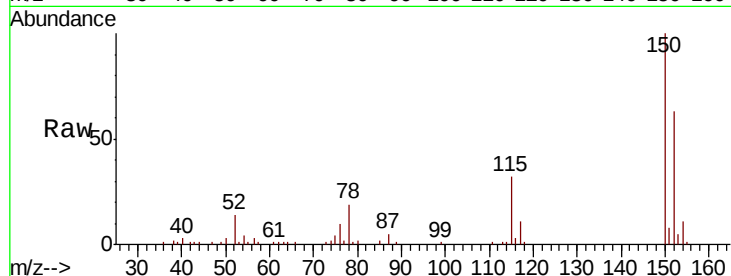


#1

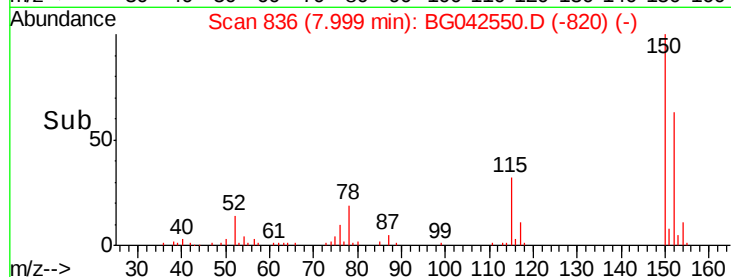
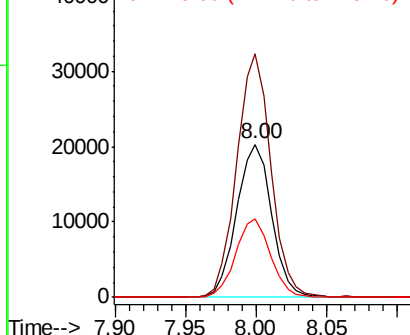
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042550.D
Acq: 29 Aug 2019 2:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 35229
Ion Ratio Lower Upper
152 100
150 159.2 125.4 188.0
115 51.4 38.5 57.7



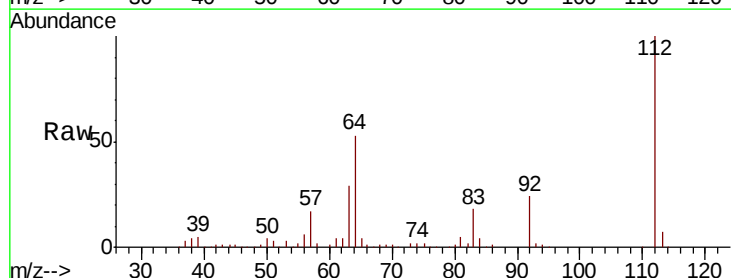
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



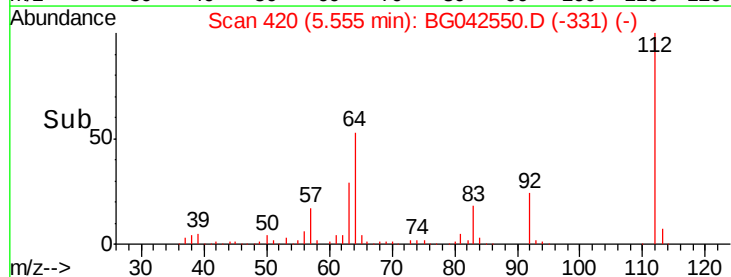
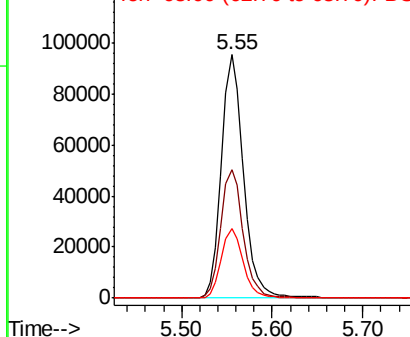
#5

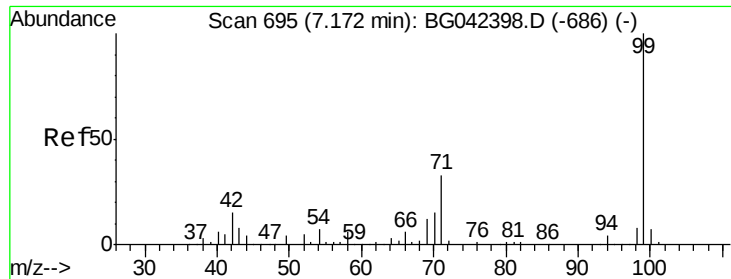
2-Fluorophenol
Concen: 92.673 ng
RT: 5.55 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042550.D
Acq: 29 Aug 2019 2:40

Tgt Ion:112 Resp: 161201
Ion Ratio Lower Upper
112 100
64 52.8 42.8 64.2
63 28.8 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: 91.942 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042550.D

Acq: 29 Aug 2019 2:40

Instrument :

BNA_G

ClientSampled :

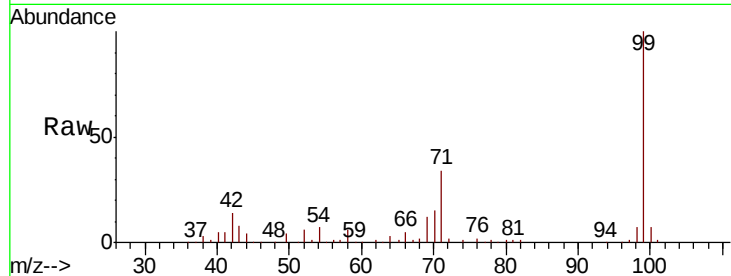
Tot Ion: 99 Resp: 216027

Ion Ratio Lower Upper

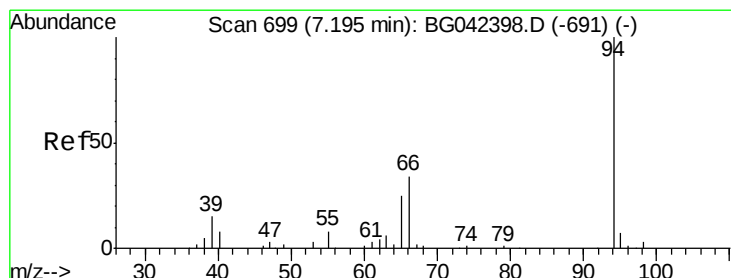
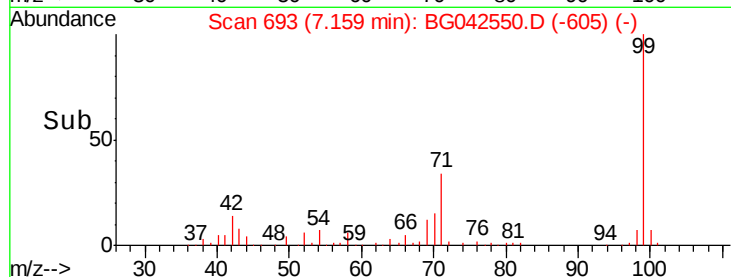
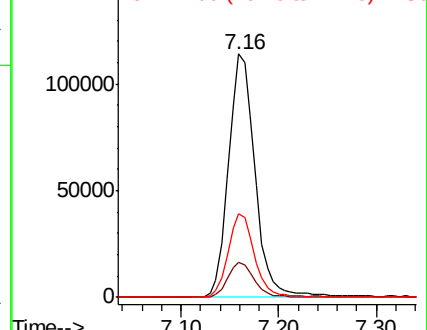
99 100

42 14.3 12.0 18.0

71 34.2 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: 5.101 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042550.D

Acq: 29 Aug 2019 2:40

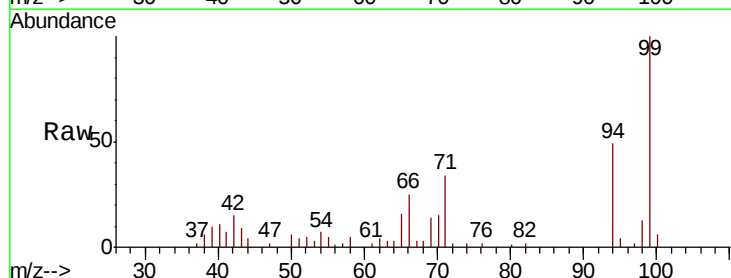
Tgt Ion: 94 Resp: 12185

Ion Ratio Lower Upper

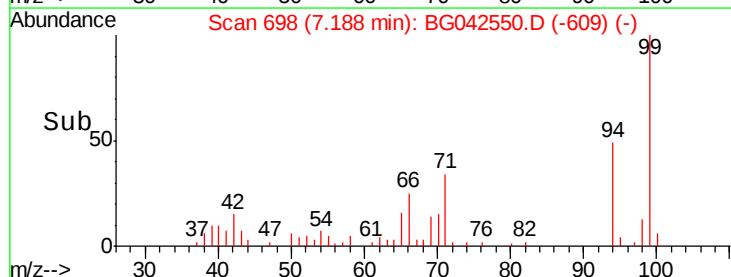
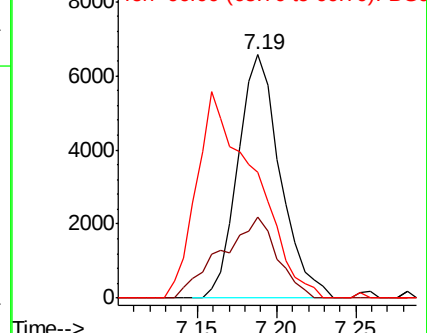
94 100

65 33.2 5.6 45.6

66 51.6 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: 10.112 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042550.D

Acq: 29 Aug 2019 2:40

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 15392

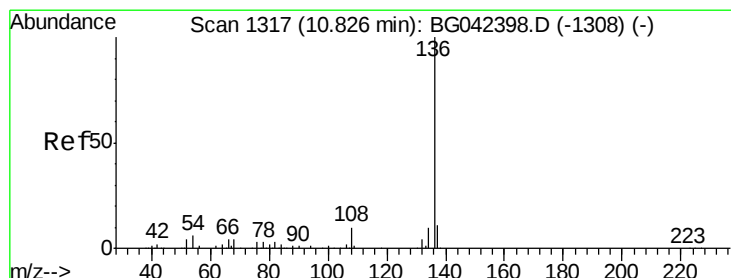
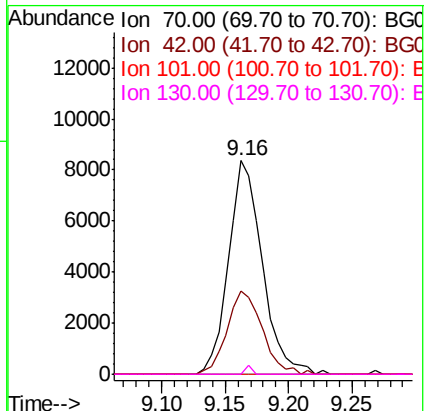
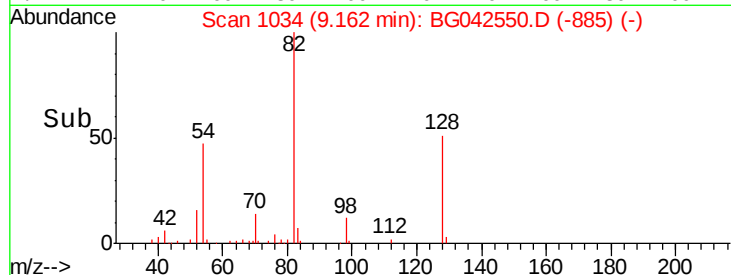
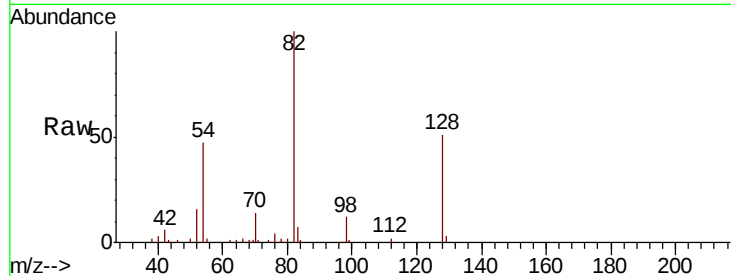
Ion Ratio Lower Upper

70 100

42 39.0 38.8 58.2

101 0.0 9.0 13.6#

130 0.0 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: BG042550.D

Acq: 29 Aug 2019 2:40

Tgt Ion: 136 Resp: 137299

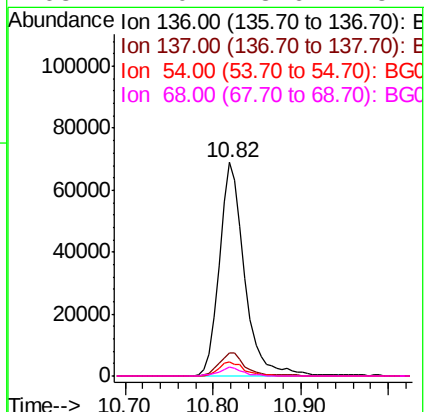
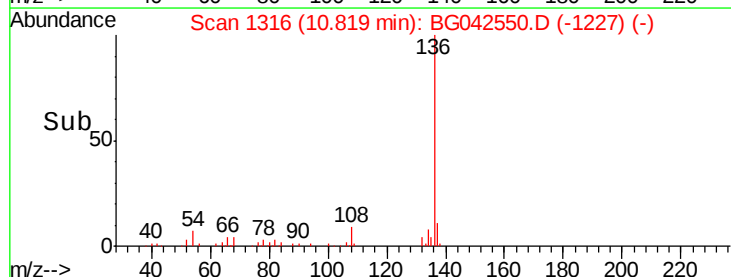
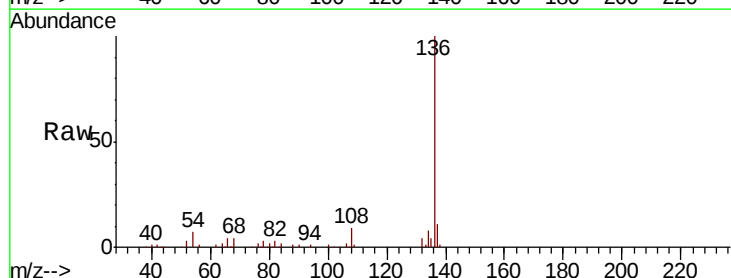
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 6.7 4.9 7.3

68 4.0 3.6 5.4

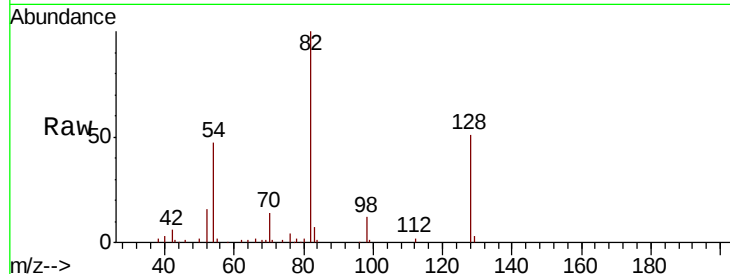




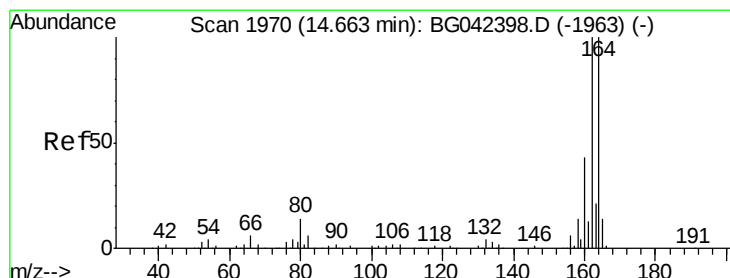
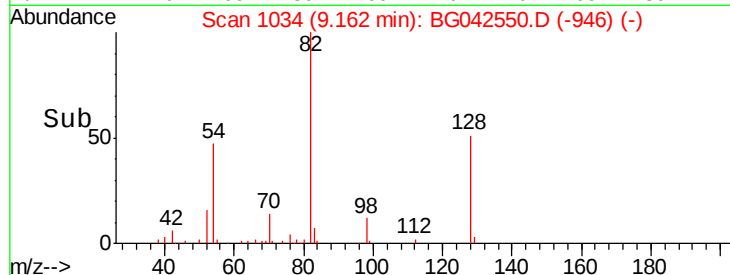
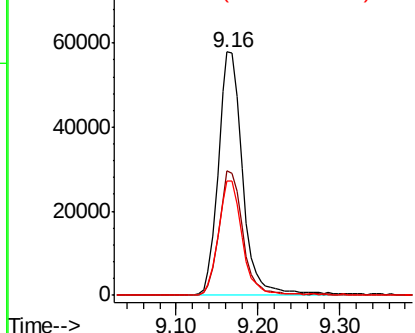
#23
 Nitrobenzene-d5
 Concen: 60.420 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG042550.D
 Acq: 29 Aug 2019 2:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	120046
Ion Ratio	Lower	Upper	
82	100		
128	51.1	40.7	61.1
54	47.0	36.3	54.5

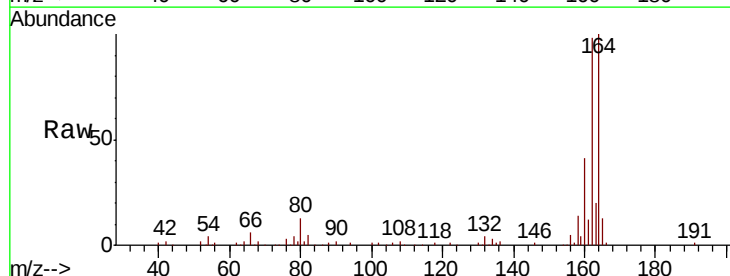


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

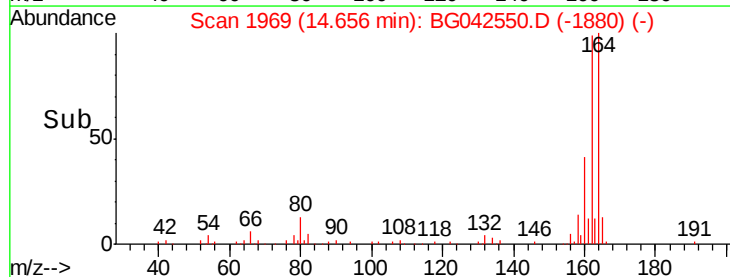
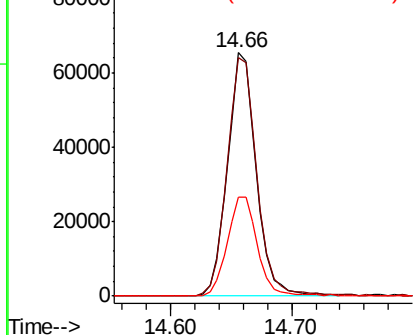


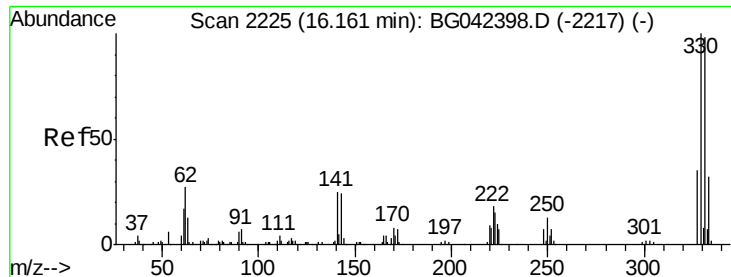
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BG042550.D
 Acq: 29 Aug 2019 2:40

Tgt Ion	164	Resp	108367
Ion Ratio	Lower	Upper	
164	100		
162	98.0	79.9	119.9
160	40.8	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: 103.175 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042550.D

Acq: 29 Aug 2019 2:40

Instrument :

BNA_G

ClientSampleId :

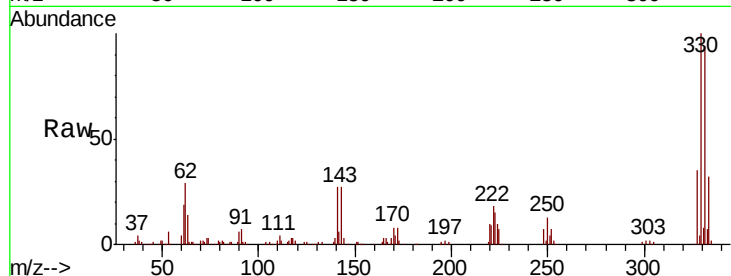
Tot Ion:330 Resp: 158916

Ion Ratio Lower Upper

330 100

332 95.2 77.4 116.0

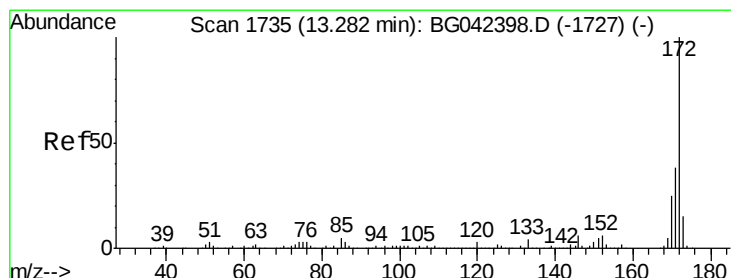
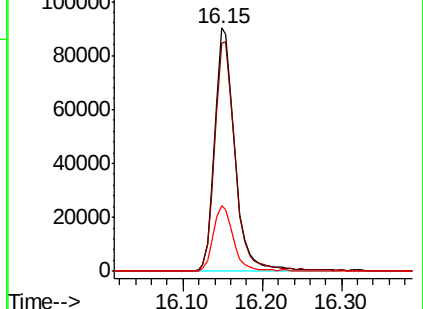
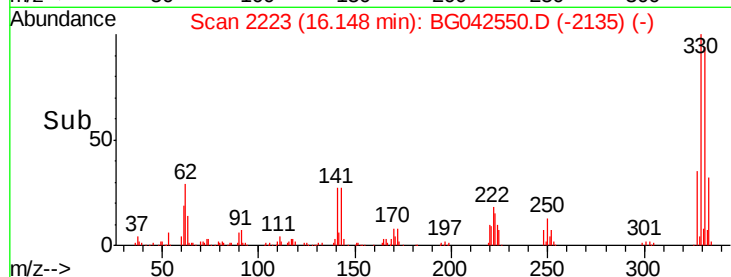
141 26.9 21.4 32.0



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: 57.377 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG042550.D

Acq: 29 Aug 2019 2:40

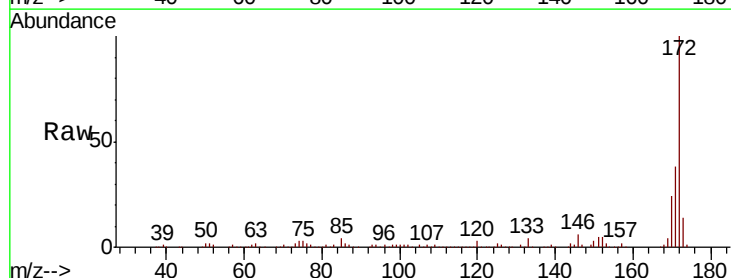
Tgt Ion:172 Resp: 367636

Ion Ratio Lower Upper

172 100

171 37.8 30.5 45.7

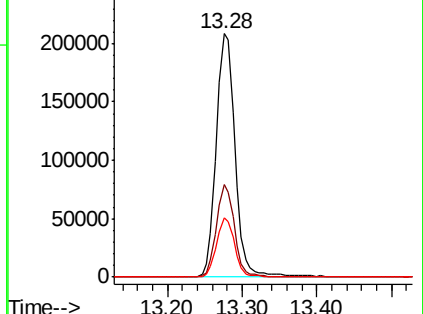
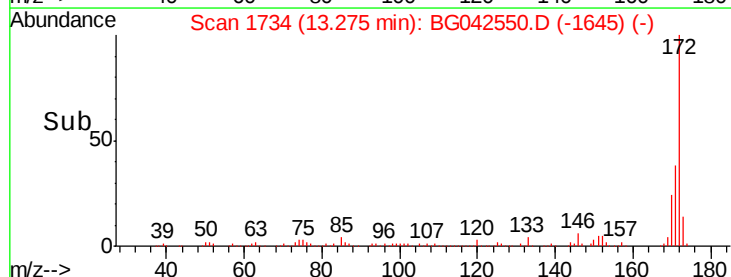
170 24.4 20.2 30.2



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: 4.554 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042550.D

Acq: 29 Aug 2019 2:40

Instrument :

BNA_G

ClientSampleId :

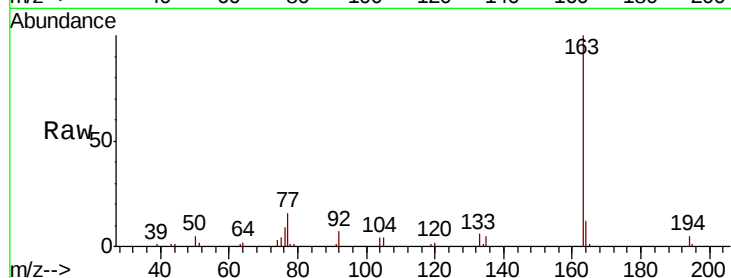
Tot Ion:163 Resp: 35605

Ion Ratio Lower Upper

163 100

194 4.9 4.2 6.2

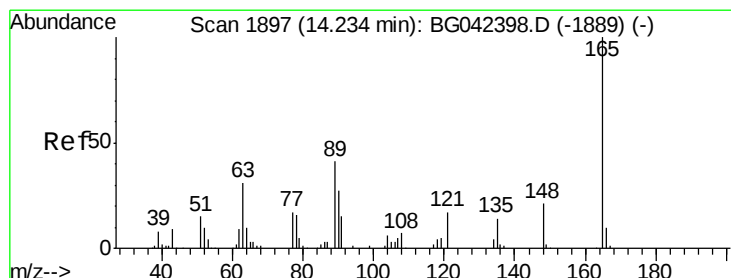
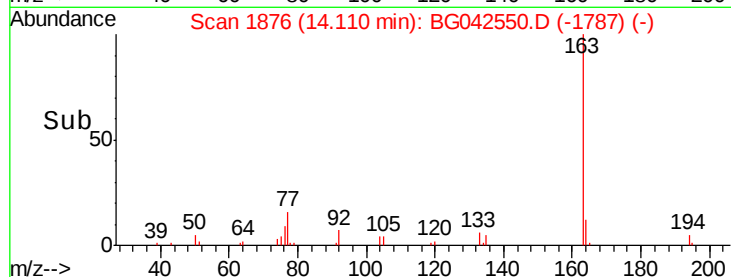
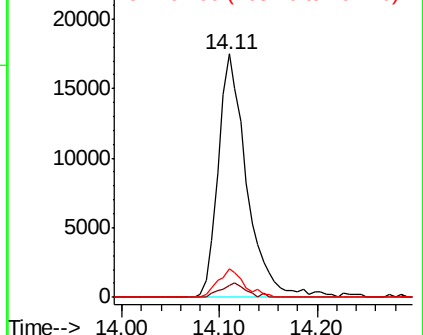
164 11.7 8.8 13.2



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



#51

2,6-Dinitrotoluene

Concen: 7.699 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.42 min

Lab File: BG042550.D

Acq: 29 Aug 2019 2:40

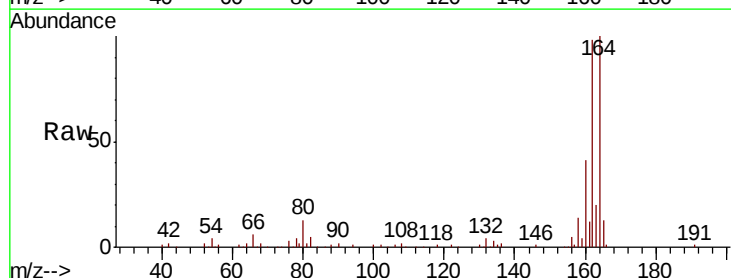
Tgt Ion:165 Resp: 13953

Ion Ratio Lower Upper

165 100

63 2.1 30.6 45.8#

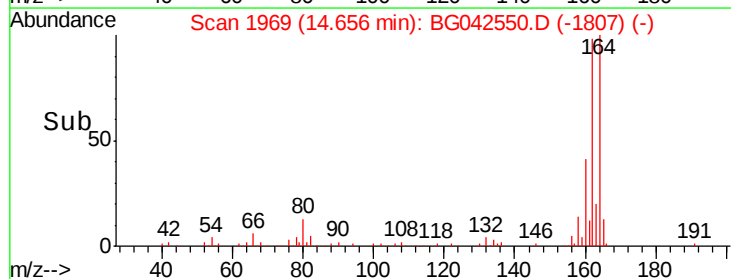
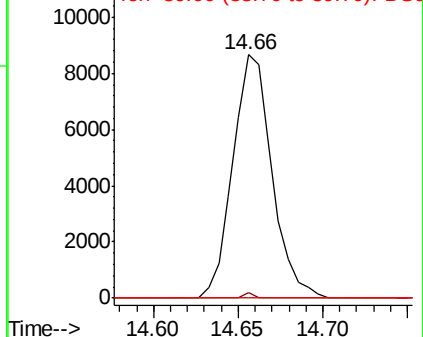
89 0.0 32.6 49.0#

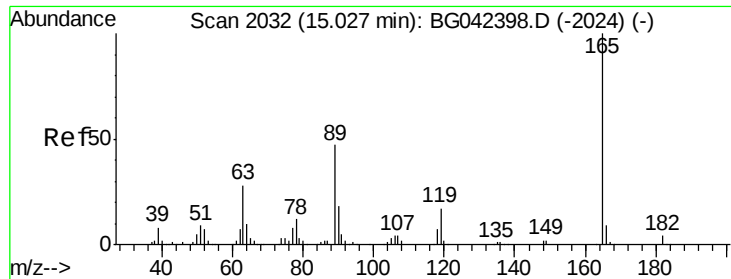


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

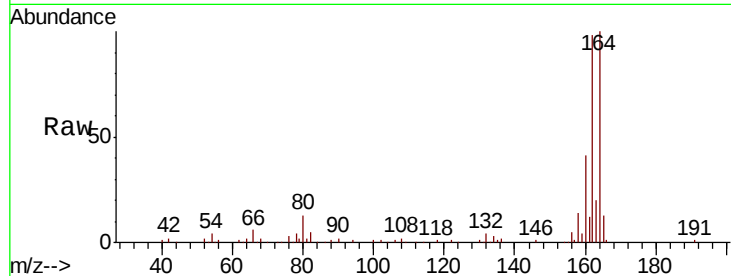




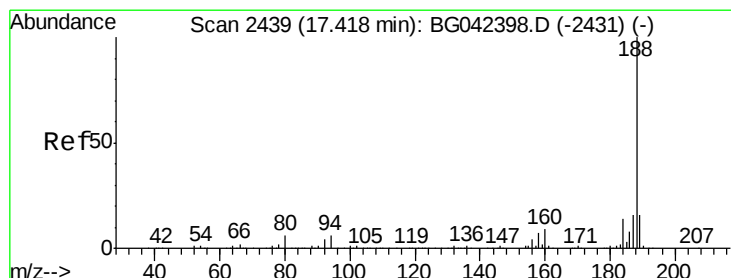
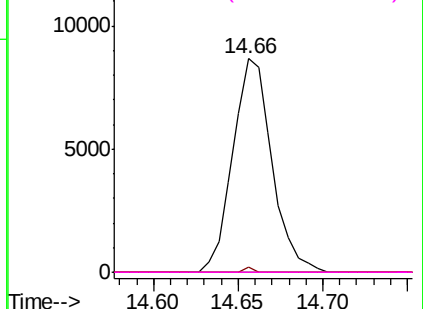
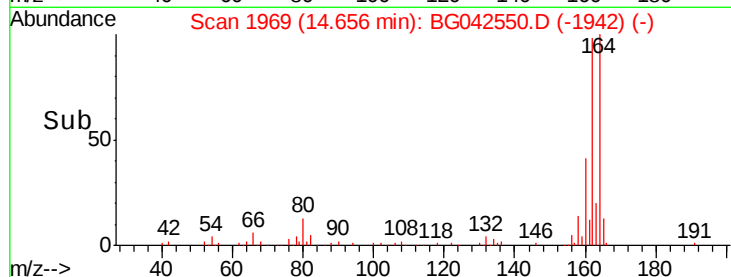
#57
 2,4-Dinitrotoluene
 Concen: 5.376 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042550.D
 Acq: 29 Aug 2019 2:40

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	22.5	33.7#
89	0.0	37.8	56.6#
182	0.0	3.0	4.4#

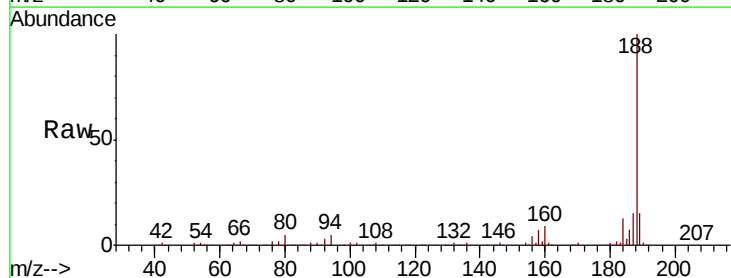


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

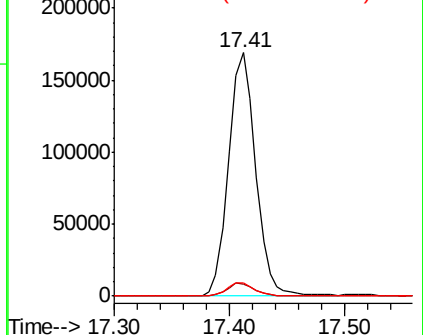
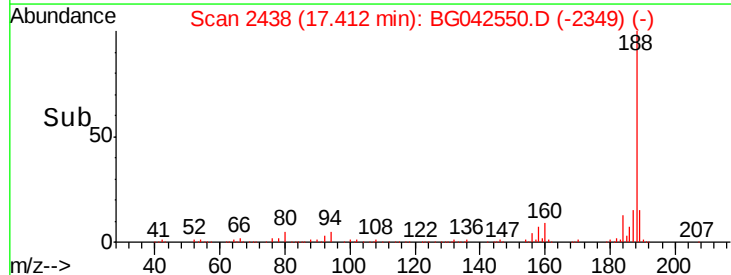


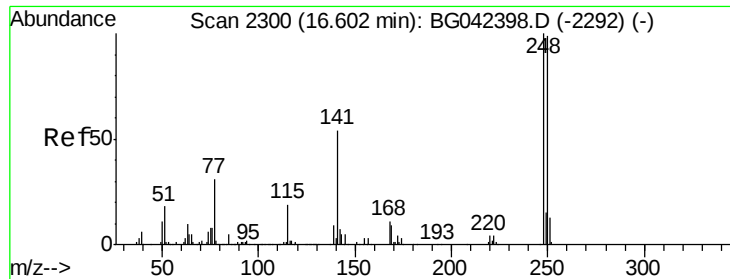
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042550.D
 Acq: 29 Aug 2019 2:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.1	4.5	6.7
80	5.3	4.9	7.3



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

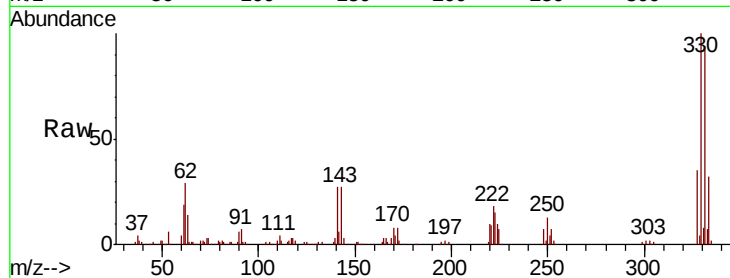




#67
 4-Bromophenyl-phenylether
 Concen: 2.965 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042550.D
 Acq: 29 Aug 2019 2:40

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	194.2	78.9	118.3#
141	398.9	43.3	64.9#

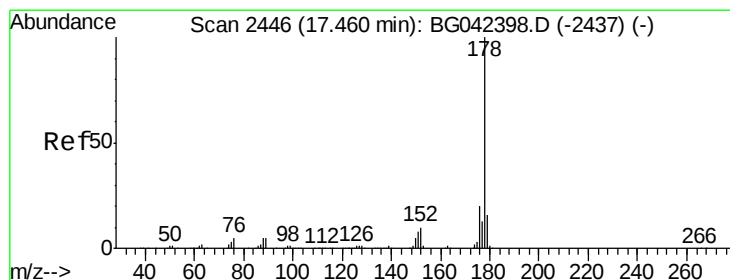
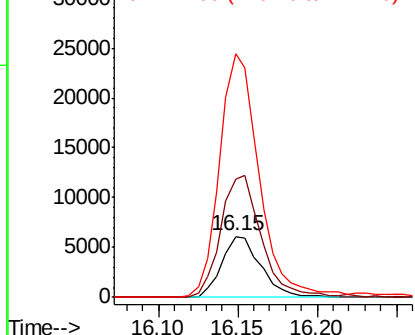
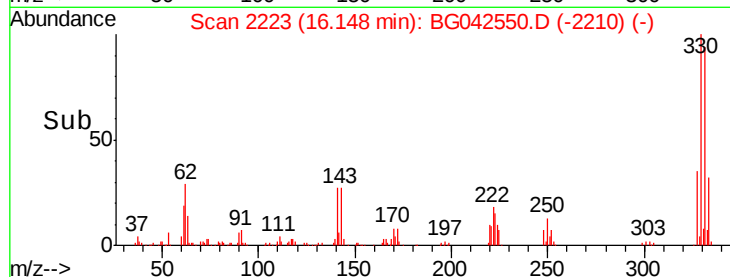


Abundance

Ion 248.00 (247.70 to 248.70): E

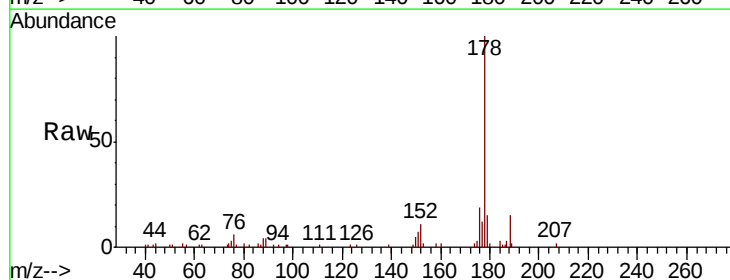
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 2.077 ng
 RT: 17.45 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BG042550.D
 Acq: 29 Aug 2019 2:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.9	23.9
179	15.3	12.7	19.1

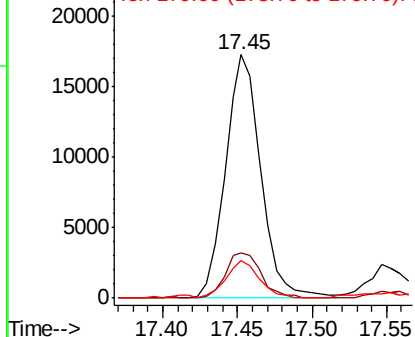
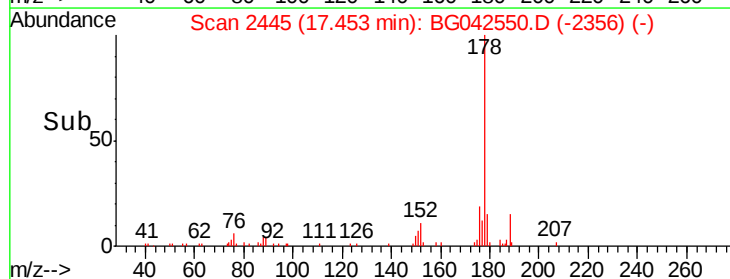


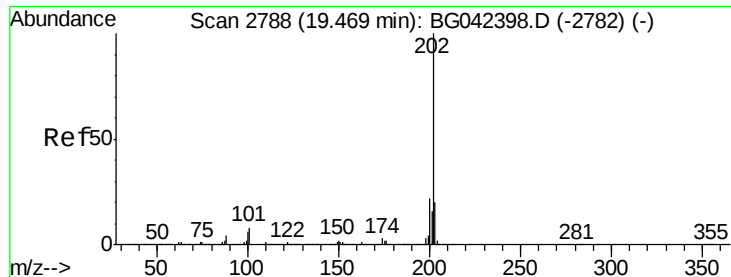
Abundance

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: 5.834 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042550.D

Acq: 29 Aug 2019 2:40

Instrument :

BNA_G

ClientSampleId :

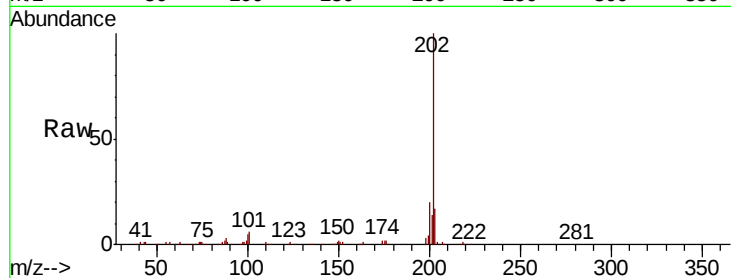
Tot Ion:202 Resp: 97682

Ion Ratio Lower Upper

202 100

101 5.8 0.0 28.3

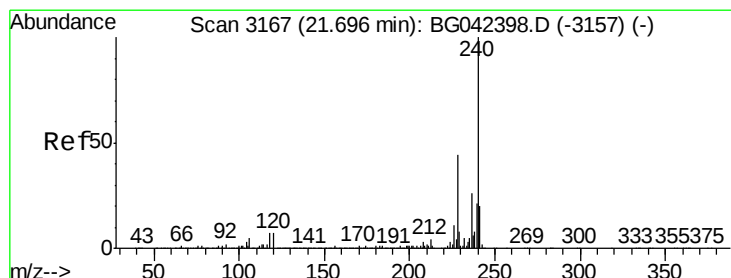
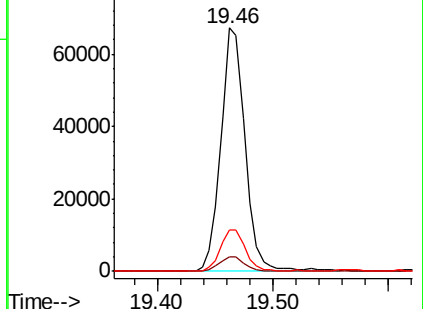
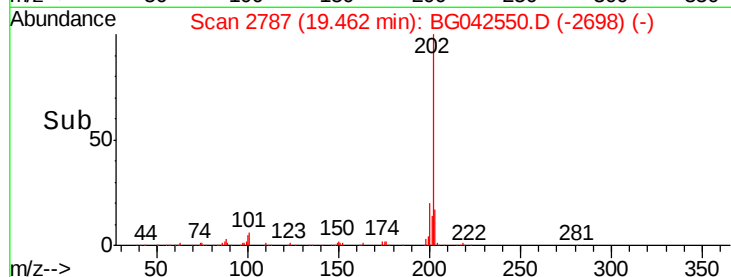
203 17.2 0.0 39.6



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: BG042550.D

Acq: 29 Aug 2019 2:40

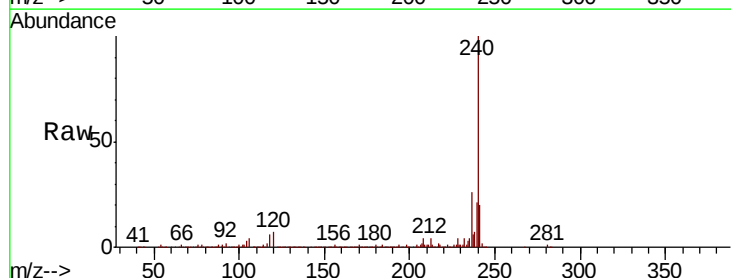
Tgt Ion:240 Resp: 306021

Ion Ratio Lower Upper

240 100

120 6.6 5.7 8.5

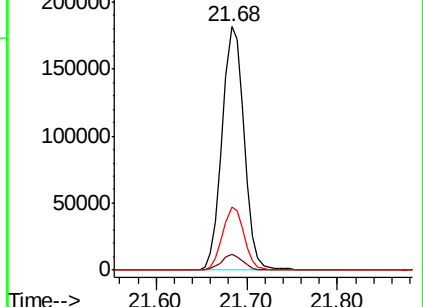
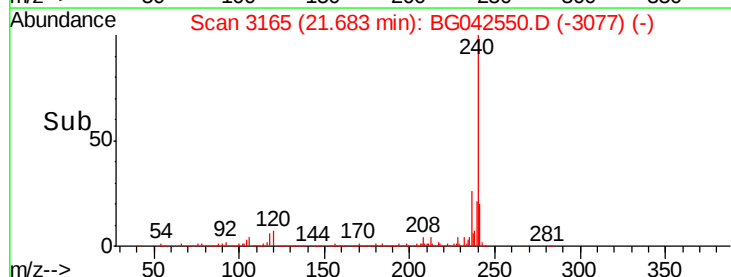
236 25.8 21.0 31.4

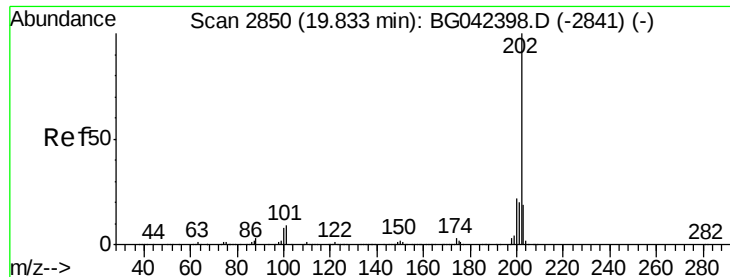


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.344 ng

RT: 19.83 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG042550.D

Acq: 29 Aug 2019 2:40

Instrument :

BNA_G

ClientSampleId :

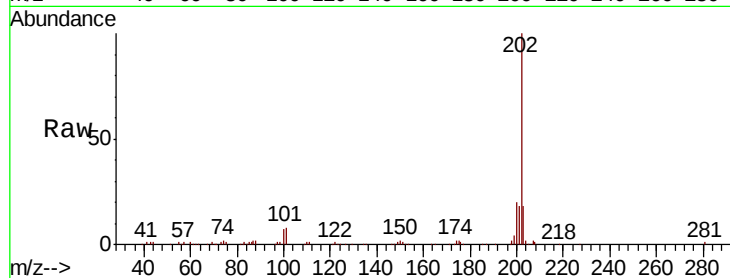
Tot Ion:202 Resp: 81496

Ion Ratio Lower Upper

202 100

200 20.3 17.8 26.6

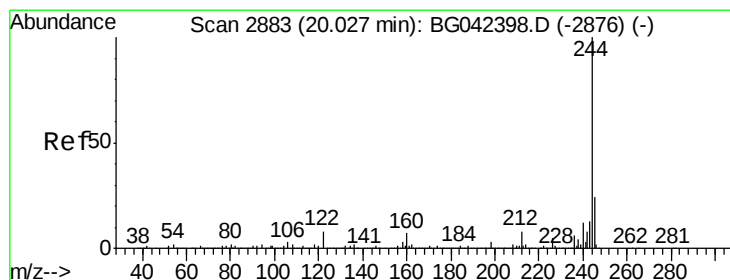
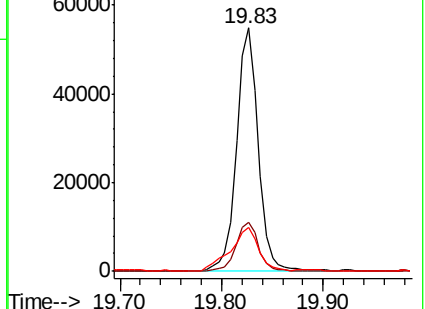
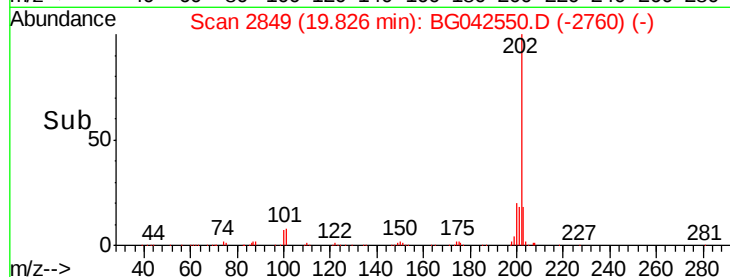
203 18.2 15.5 23.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 50.937 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042550.D

Acq: 29 Aug 2019 2:40

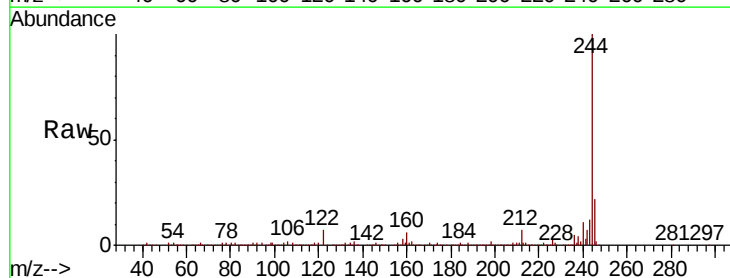
Tgt Ion:244 Resp: 721014

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

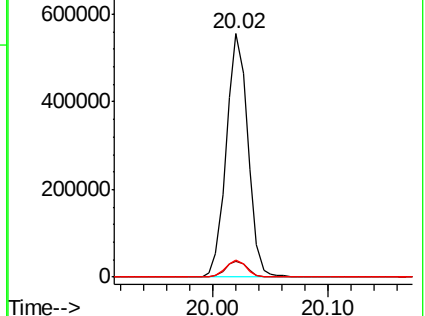
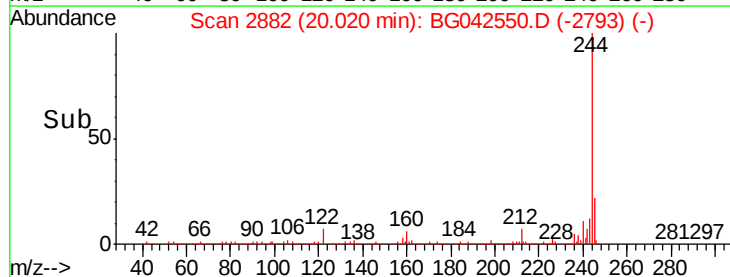
122 7.1 6.7 10.1

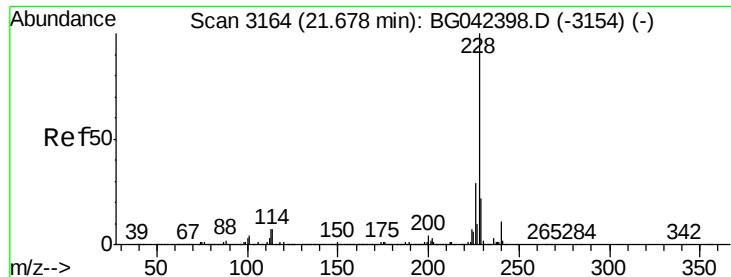


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.283 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG042550.D

Acq: 29 Aug 2019 2:40

Instrument :

BNA_G

ClientSampleId :

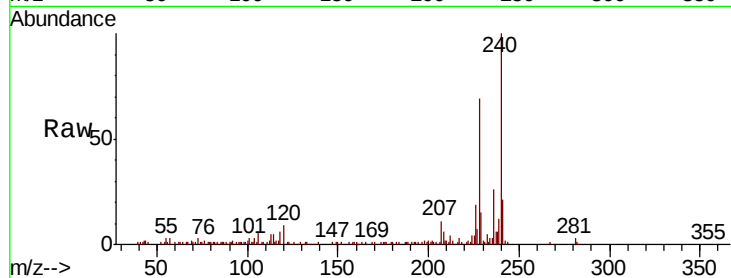
Tot Ion:228 Resp: 42506

Ion Ratio Lower Upper

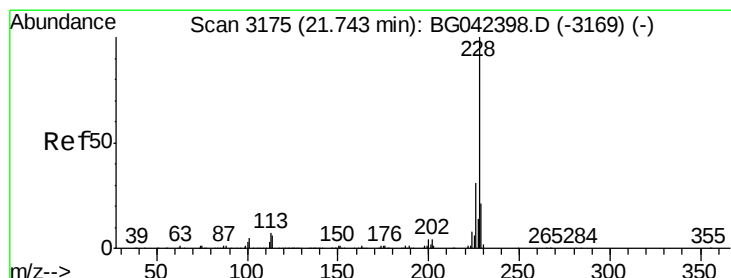
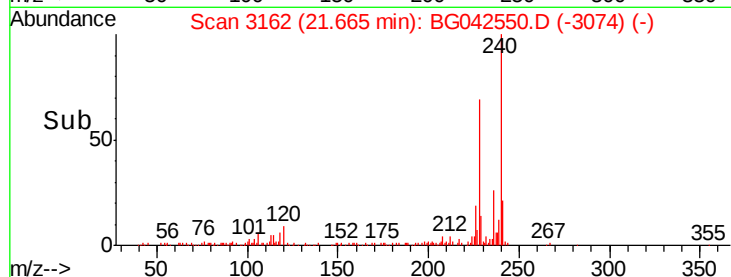
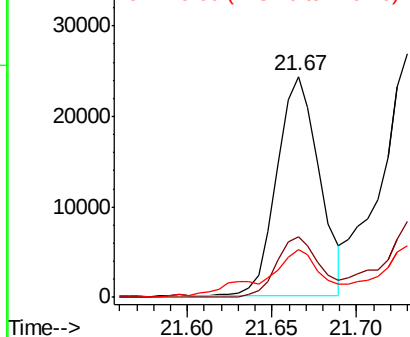
228 100

226 27.4 23.4 35.2

229 21.6 17.4 26.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.888 ng

RT: 21.73 min Scan# 3173

Delta R.T. -0.01 min

Lab File: BG042550.D

Acq: 29 Aug 2019 2:40

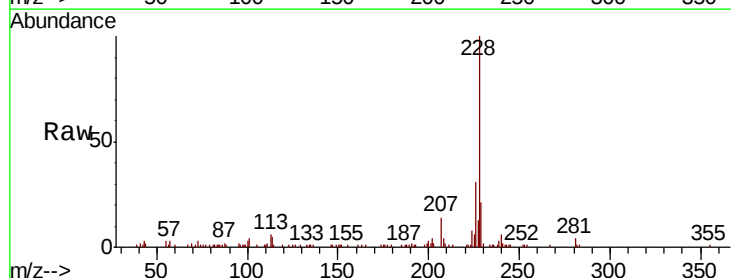
Tgt Ion:228 Resp: 51842

Ion Ratio Lower Upper

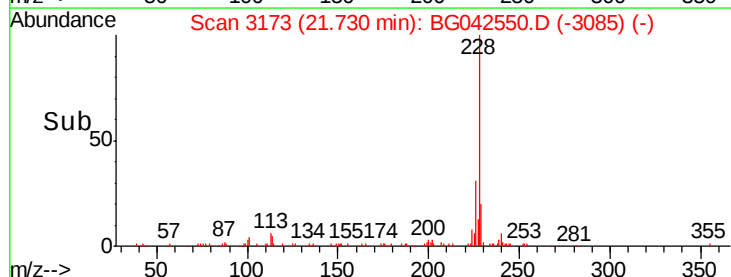
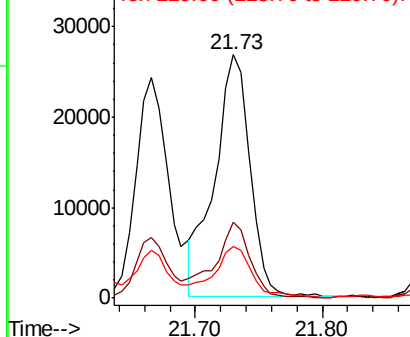
228 100

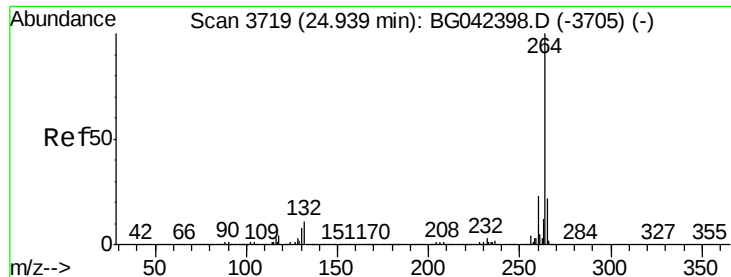
226 31.1 24.9 37.3

229 21.0 16.9 25.3



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

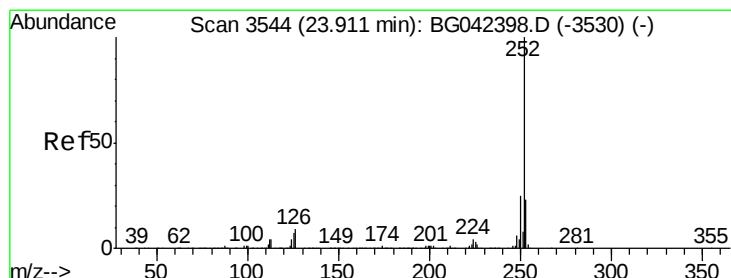
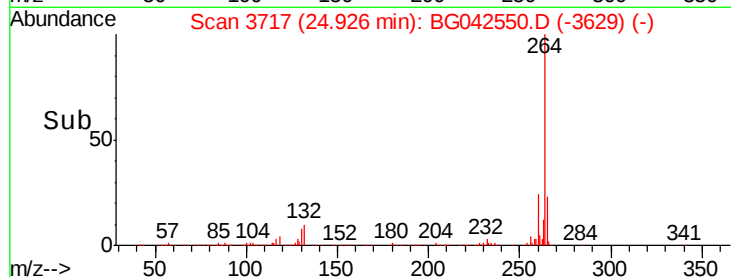
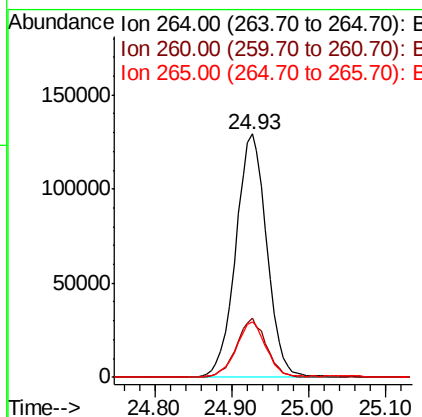
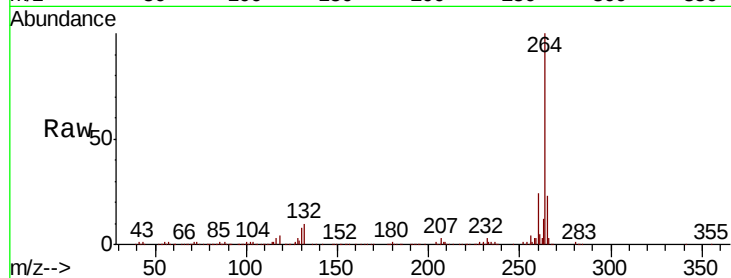




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.01 min
Lab File: BG042550.D
Acq: 29 Aug 2019 2:40

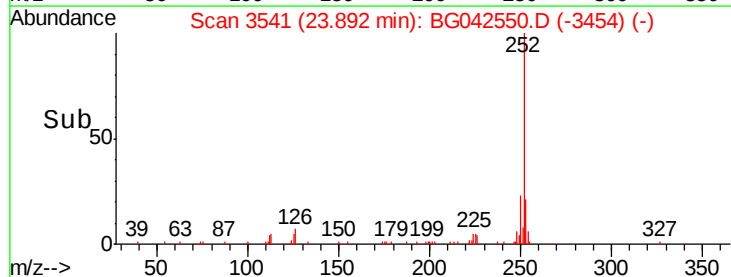
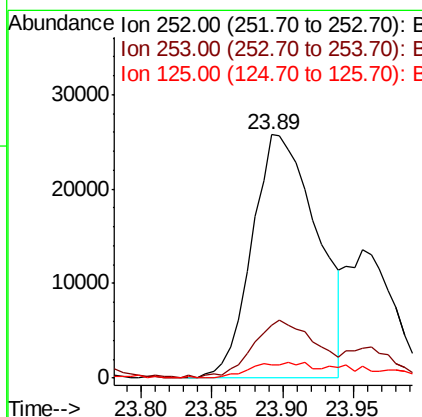
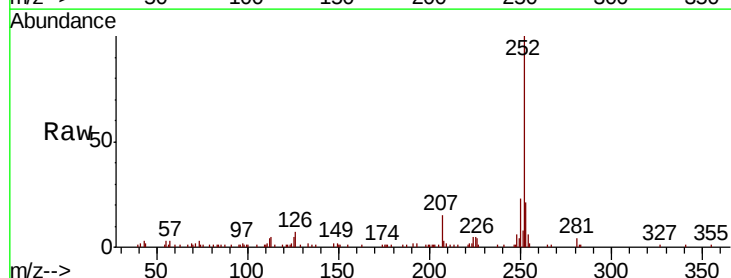
Instrument :
BNA_G
ClientSampleId :

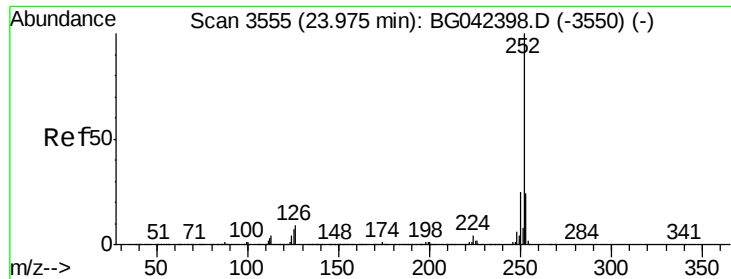
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.5	27.7
265	22.6	17.6	26.4



#88
Benzo(b)fluoranthene
Concen: 4.145 ng
RT: 23.89 min Scan# 3541
Delta R.T. -0.02 min
Lab File: BG042550.D
Acq: 29 Aug 2019 2:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.6	27.8
125	5.5	5.6	8.4#

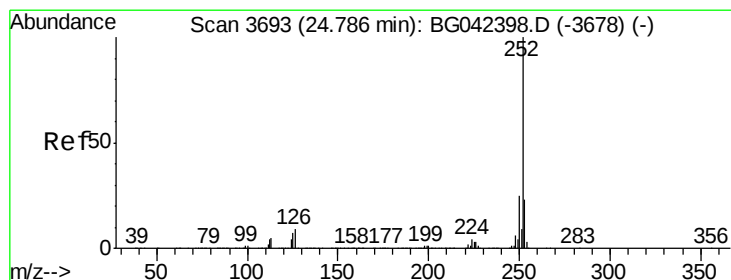
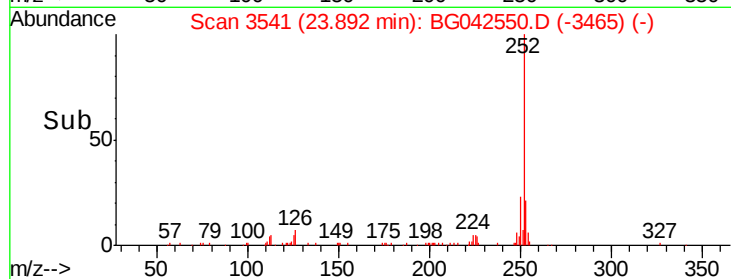
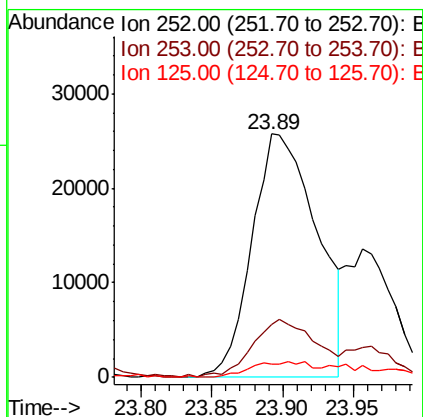
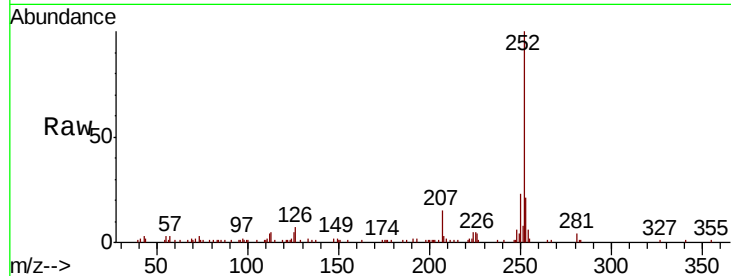




#89
Benzo(k)fluoranthene
Concen: 4.312 ng
RT: 23.89 min Scan# 3541
Delta R.T. -0.08 min
Lab File: BG042550.D
Acq: 29 Aug 2019 2:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.6	27.8
125	5.5	5.8	8.6



#90
Benzo(a)pyrene
Concen: 2.793 ng
RT: 24.77 min Scan# 3690
Delta R.T. -0.02 min
Lab File: BG042550.D
Acq: 29 Aug 2019 2:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	7.9	6.0	9.0

