

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062019\
 Data File : BG041359.D
 Acq On : 20 Jun 2019 16:28
 Operator : HP/JU
 Sample : K3157-03 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 20 17:16:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

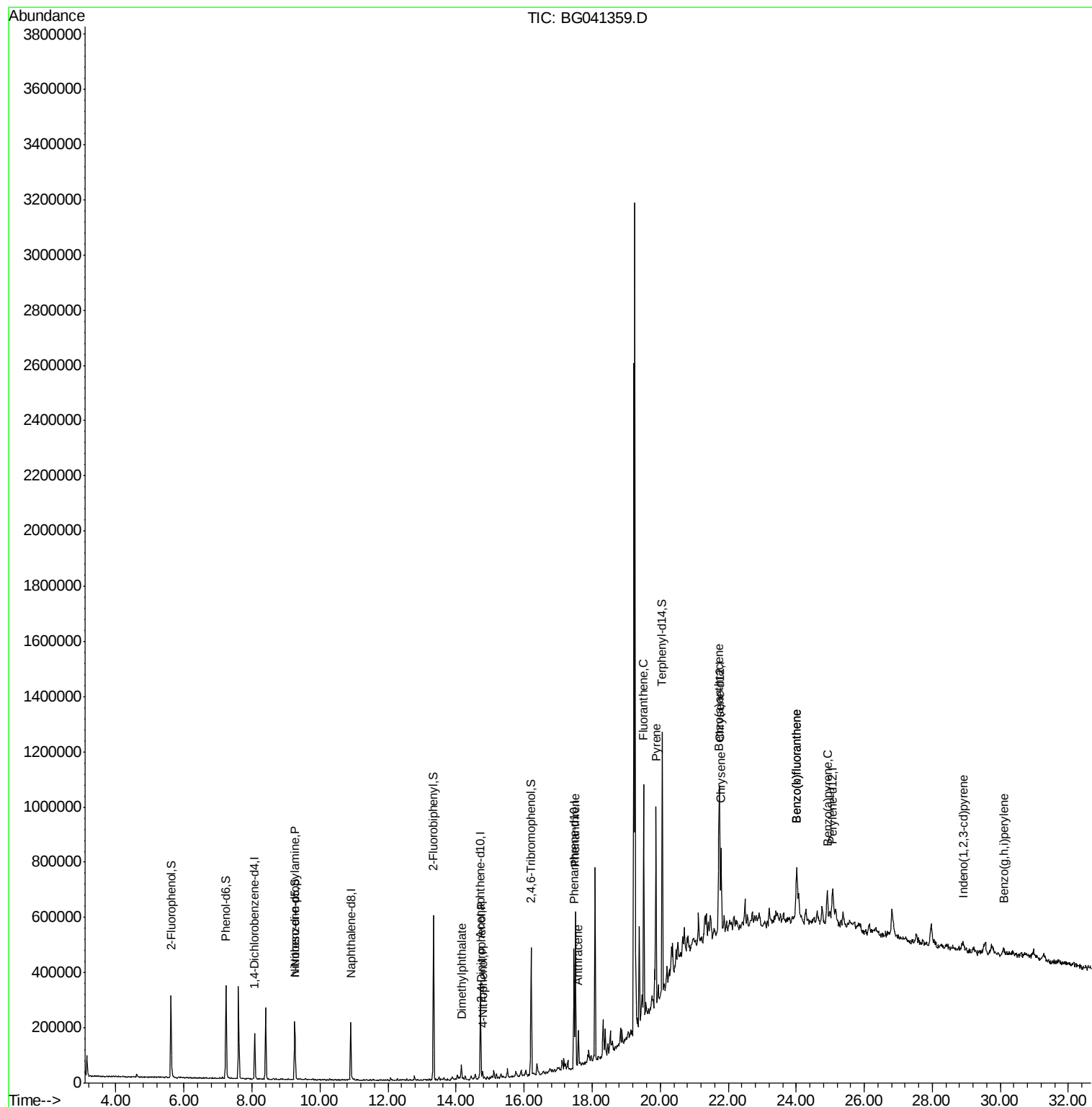
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	44675	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	172383	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	116289	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	263542	20.00	ng	0.00
76) Chrysene-d12	21.74	240	268741	20.00	ng	0.00
87) Perylene-d12	25.07	264	204223	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	122529	50.39	ng	0.00
7) Phenol-d6	7.24	99	181511	51.50	ng	0.00
23) Nitrobenzene-d5	9.26	82	131947	32.19	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	86109	48.23	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	299788	35.04	ng	0.00
79) Terphenyl-d14	20.06	244	452711	33.38	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	19155	6.720	ng	Qvalue # 81
50) Dimethylphthalate	14.16	163	30197	2.918	ng	# 96
54) 2,4-Dinitrophenol	14.74	184	61	4.883	ng	# 13
56) 4-Nitrophenol	14.79	139	353	3.423	ng	# 32
71) Phenanthrene	17.51	178	349199	24.844	ng	99
72) Anthracene	17.60	178	87760	6.333	ng	98
75) Fluoranthene	19.52	202	566316	30.328	ng	98
78) Pyrene	19.88	202	489090	26.986	ng	98
81) Benzo(a)anthracene	21.73	228	272608	14.982	ng	99
83) Chrysene	21.79	228	233066	13.319	ng	97
86) Indeno(1,2,3-cd)pyrene	28.89	276	61474	2.961	ng	# 92
88) Benzo(b)fluoranthene	24.01	252	209517	16.554	ng	# 86
89) Benzo(k)fluoranthene	24.01	252	209517	16.711	ng	# 87
90) Benzo(a)pyrene	24.92	252	150190	12.565	ng	# 92
92) Benzo(a,h,i)perylene	30.10	276	52236	4.392	ng	# 84

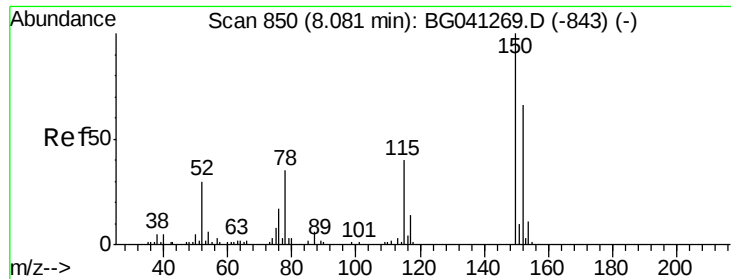
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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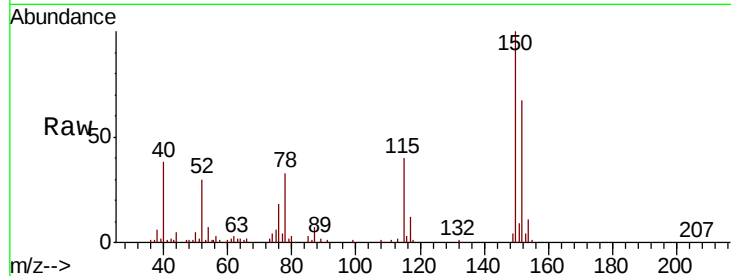


#1

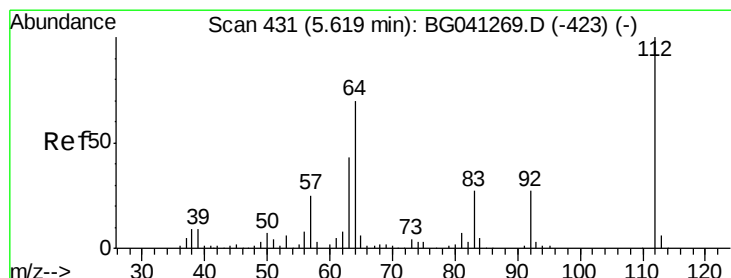
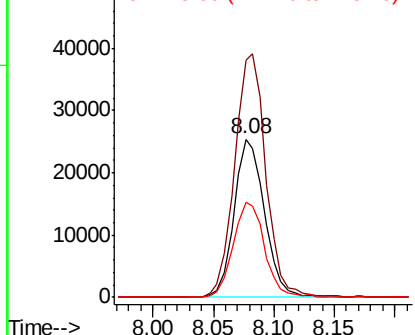
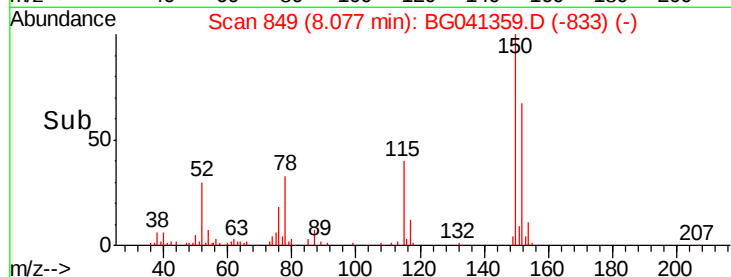
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BG041359.D
Acq: 20 Jun 2019 16:28

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 44675
Ion Ratio Lower Upper
152 100
150 150.0 120.6 181.0
115 60.3 47.9 71.9



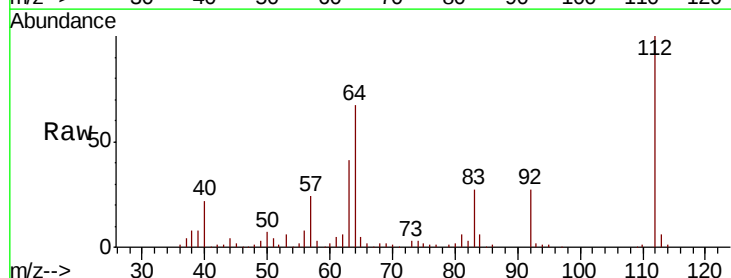
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



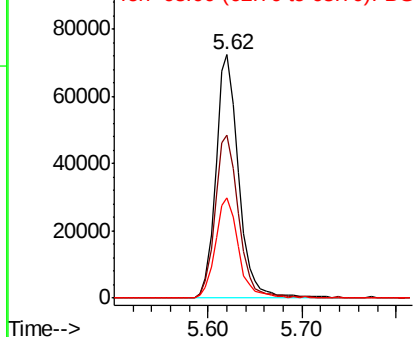
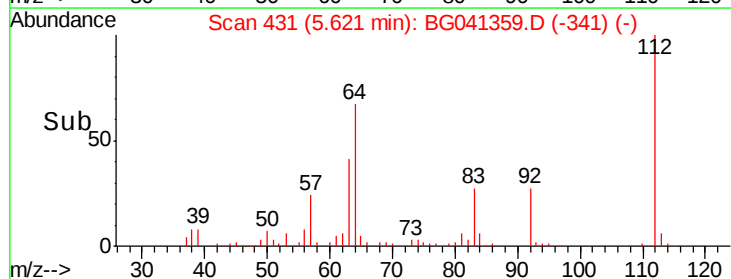
#5

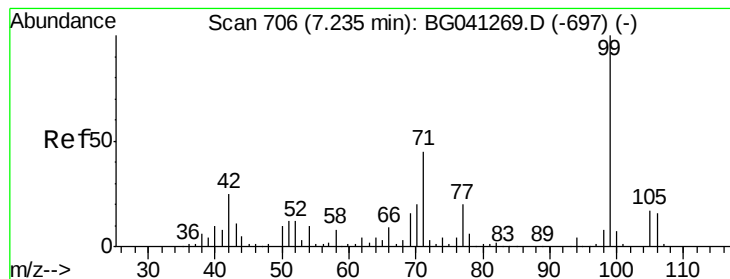
2-Fluorophenol
Concen: 50.394 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG041359.D
Acq: 20 Jun 2019 16:28

Tgt Ion:112 Resp: 122529
Ion Ratio Lower Upper
112 100
64 66.8 55.9 83.9
63 40.9 34.6 51.8



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: 51.502 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041359.D

Acq: 20 Jun 2019 16:28

Instrument :

BNA_G

ClientSampleId :

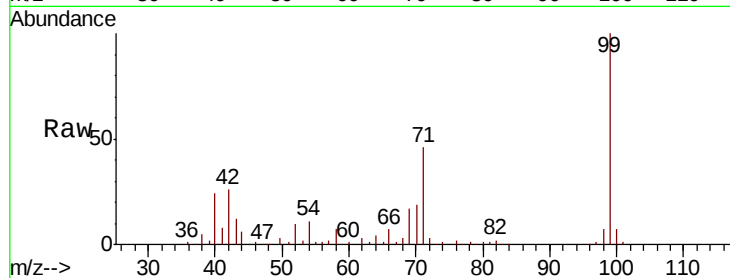
Tot Ion: 99 Resp: 181511

Ion Ratio Lower Upper

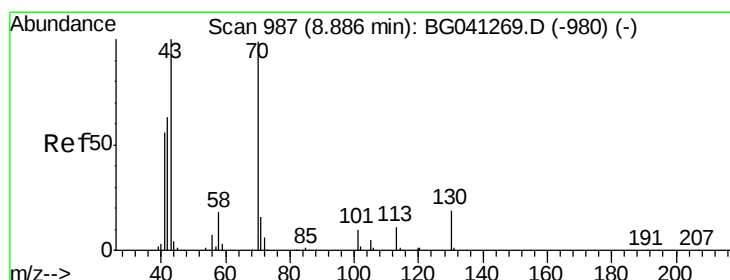
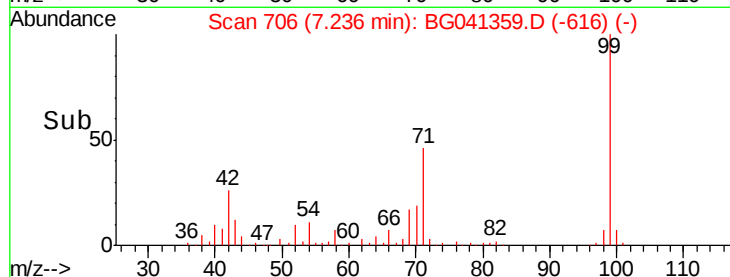
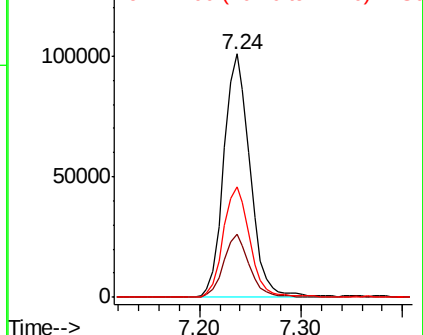
99 100

42 25.7 19.9 29.9

71 45.6 36.4 54.6



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: 6.720 ng

RT: 9.26 min Scan# 1050

Delta R.T. 0.37 min

Lab File: BG041359.D

Acq: 20 Jun 2019 16:28

Tgt Ion: 70 Resp: 19155

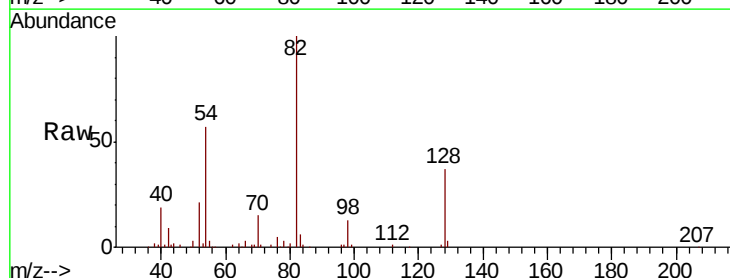
Ion Ratio Lower Upper

70 100

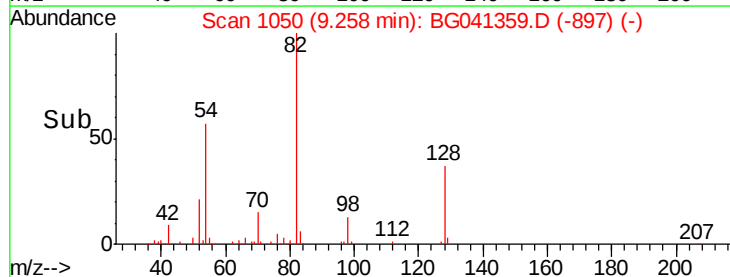
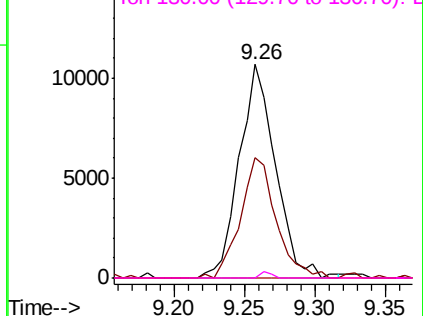
42 56.3 51.4 77.2

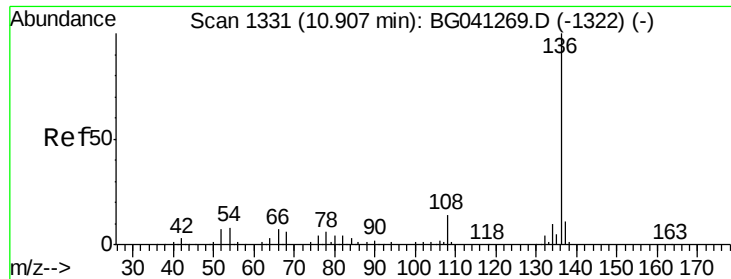
101 0.0 8.2 12.2#

130 0.0 15.2 22.8#



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: 10.90 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BG041359.D

Acq: 20 Jun 2019 16:28

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 172383

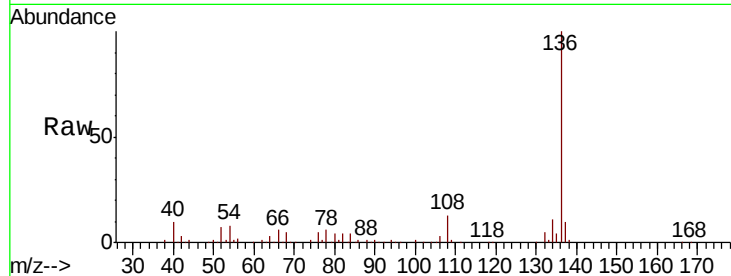
Ion Ratio Lower Upper

136 100

137 10.2 8.8 13.2

54 8.3 6.4 9.6

68 5.2 4.8 7.2

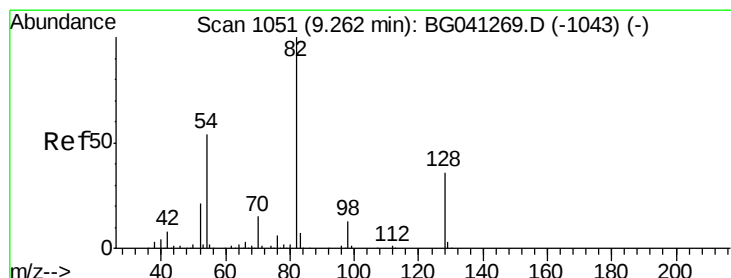
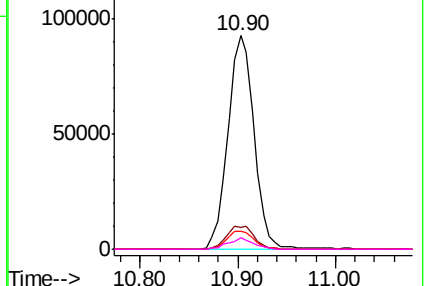
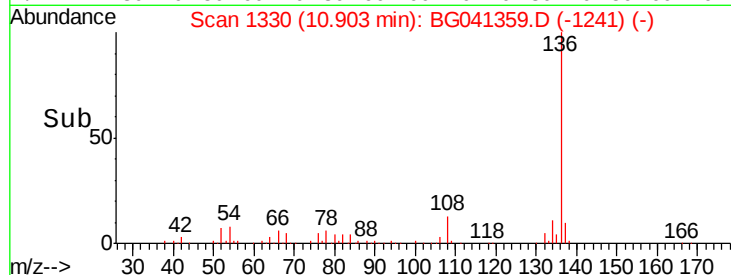


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.191 ng

RT: 9.26 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BG041359.D

Acq: 20 Jun 2019 16:28

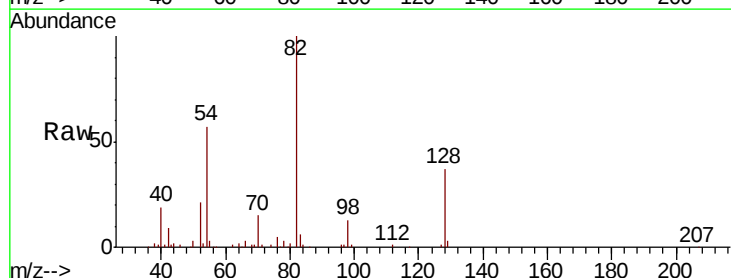
Tgt Ion: 82 Resp: 131947

Ion Ratio Lower Upper

82 100

128 36.5 29.2 43.8

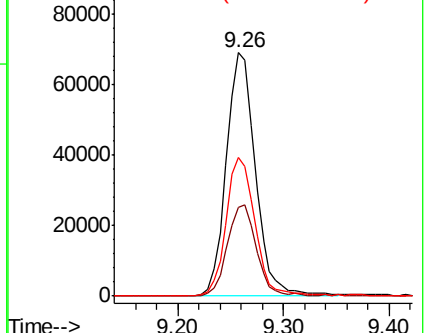
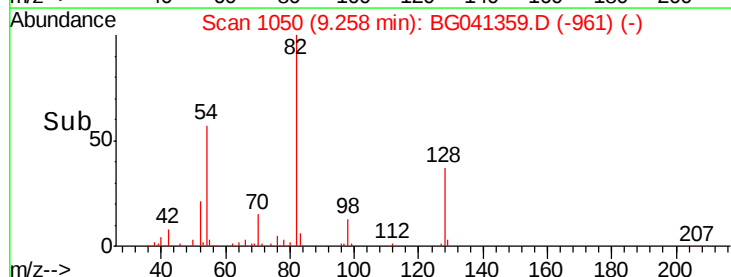
54 56.8 43.4 65.0

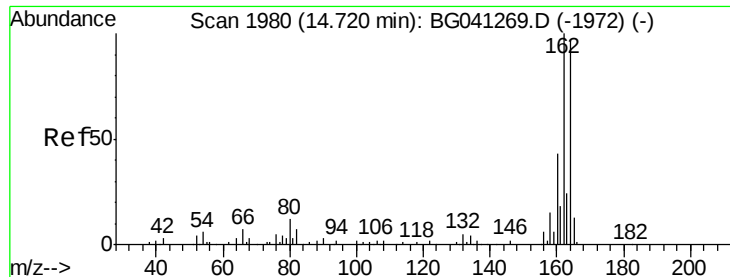


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BG041359.D

Acq: 20 Jun 2019 16:28

Instrument :

BNA_G

ClientSampleId :

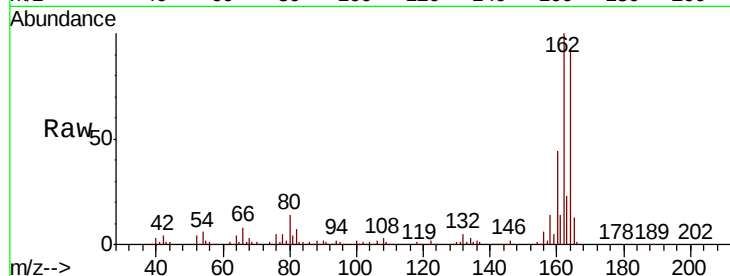
Tot Ion:164 Resp: 116289

Ion Ratio Lower Upper

164 100

162 108.7 82.8 124.2

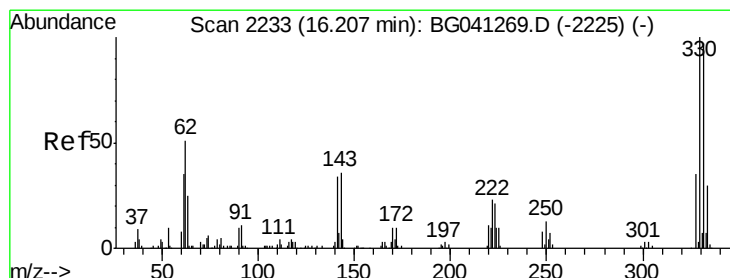
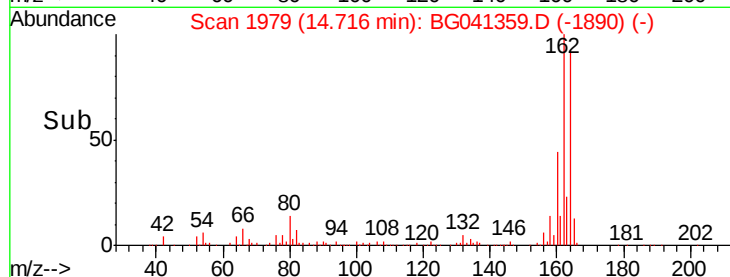
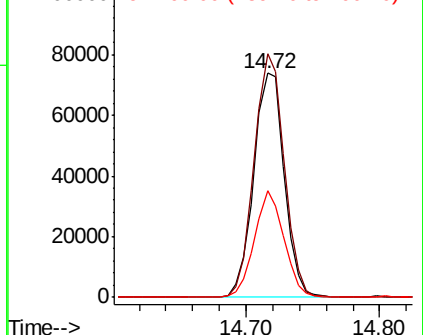
160 47.6 35.8 53.8



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: 48.232 ng

RT: 16.21 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BG041359.D

Acq: 20 Jun 2019 16:28

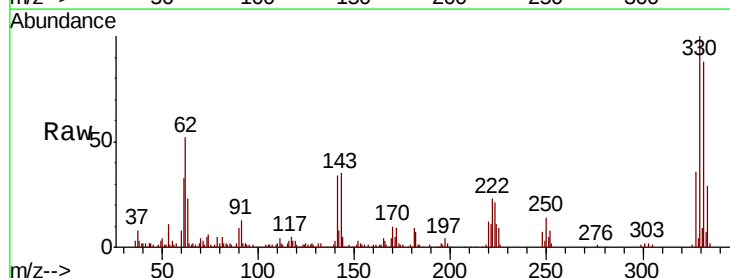
Tgt Ion:330 Resp: 86109

Ion Ratio Lower Upper

330 100

332 92.8 75.5 113.3

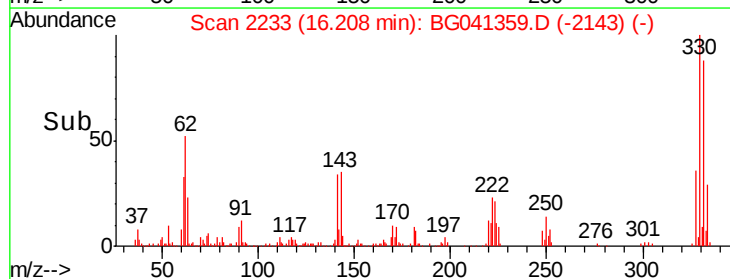
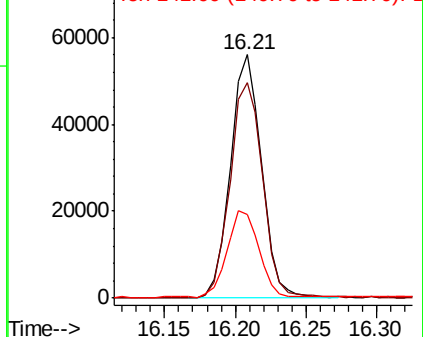
141 38.2 29.0 43.4

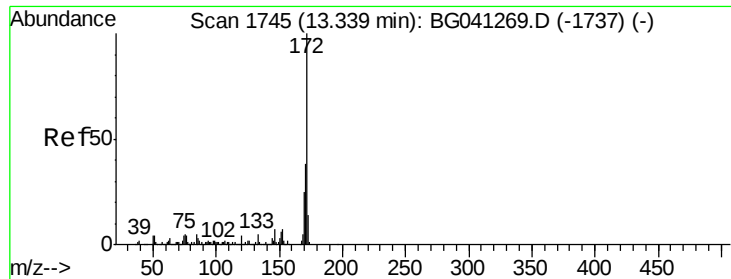


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

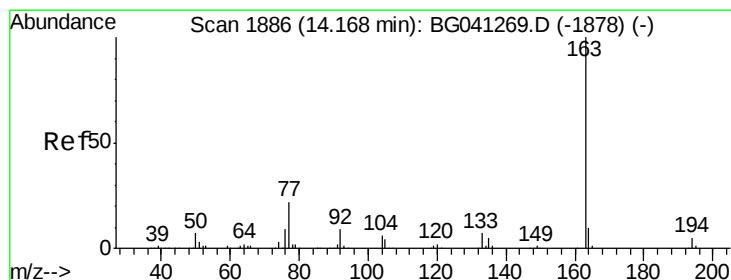
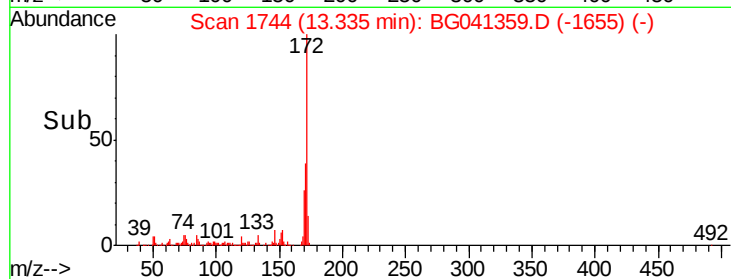
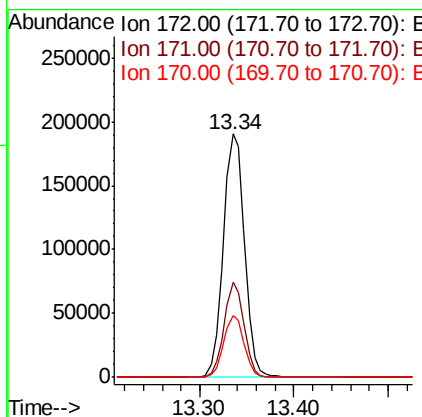
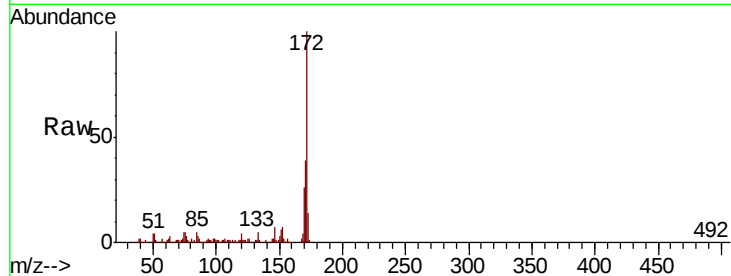




#45
 2-Fluorobiphenyl
 Concen: 35.038 ng
 RT: 13.34 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: BG041359.D
 Acq: 20 Jun 2019 16:28

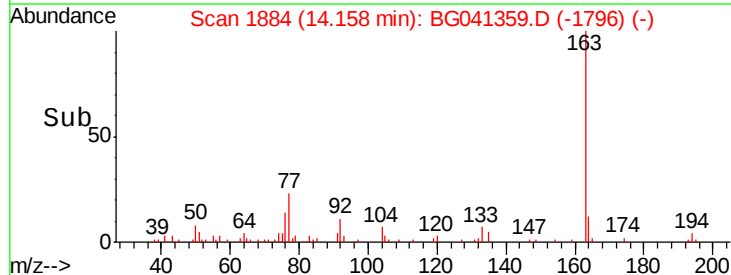
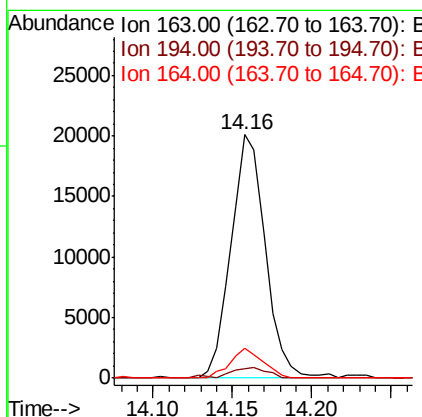
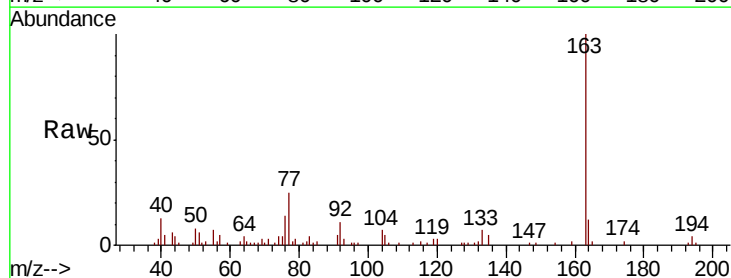
Instrument :
 BNA_G
 ClientSampleId :

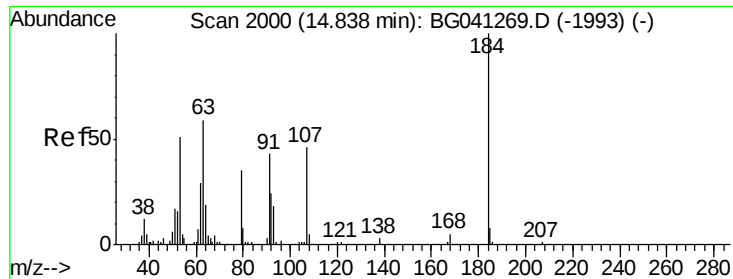
Tot Ion	Ratio	Lower	Upper
172	100		
171	39.1	30.0	45.0
170	25.6	19.8	29.6



#50
 Dimethylphthalate
 Concen: 2.918 ng
 RT: 14.16 min Scan# 1884
 Delta R.T. -0.01 min
 Lab File: BG041359.D
 Acq: 20 Jun 2019 16:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.9	5.9#
164	12.1	8.3	12.5

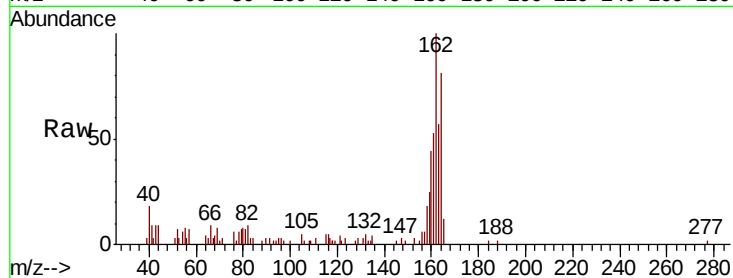




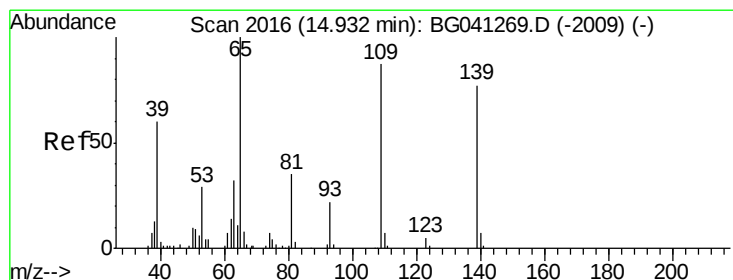
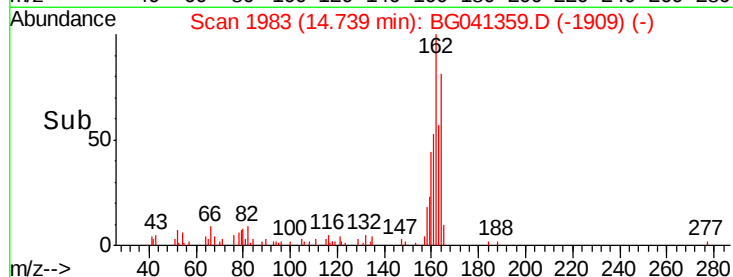
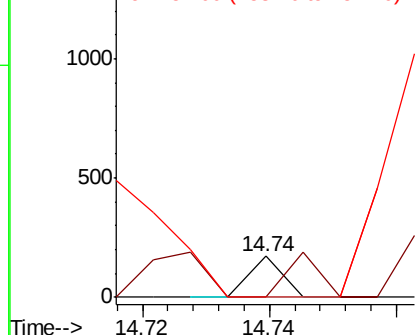
#54
2,4-Dinitrophenol
Concen: 4.883 ng
RT: 14.74 min Scan# 1983
Delta R.T. -0.10 min
Lab File: BG041359.D
Acq: 20 Jun 2019 16:28

Instrument :
BNA_G
ClientSampled :

Tot Ion:184 Resp: 61
Ion Ratio Lower Upper
184 100
63 0.0 60.0 90.0#
154 0.0 58.3 87.5#

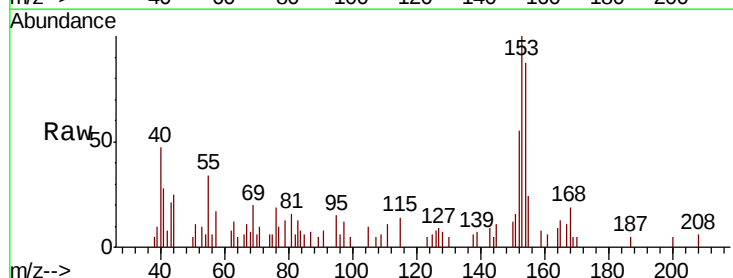


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

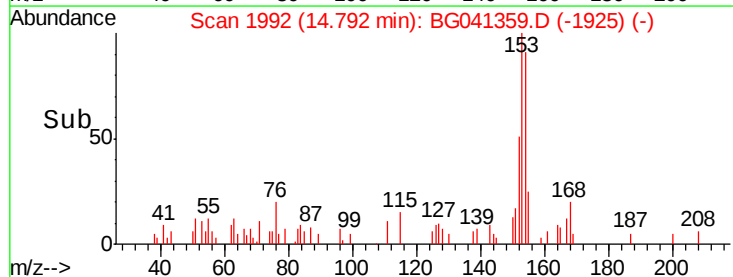
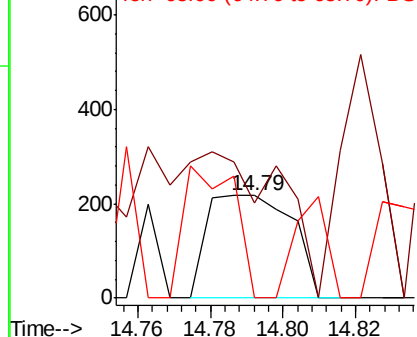


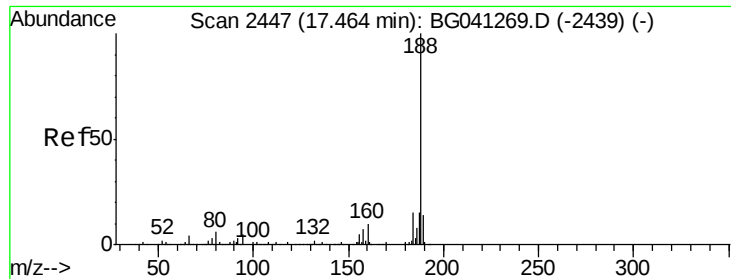
#56
4-Nitrophenol
Concen: 3.423 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.14 min
Lab File: BG041359.D
Acq: 20 Jun 2019 16:28

Tgt Ion:139 Resp: 353
Ion Ratio Lower Upper
139 100
109 93.1 93.2 133.2#
65 0.0 110.2 150.2#



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): BG





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BG041359.D

Acq: 20 Jun 2019 16:28

Instrument :

BNA_G

ClientSampleId :

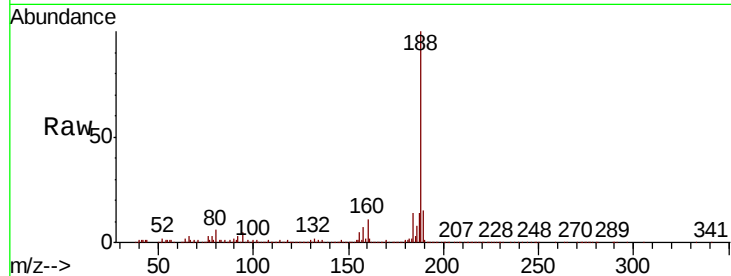
Tot Ion:188 Resp: 263542

Ion Ratio Lower Upper

188 100

94 5.4 3.6 5.4#

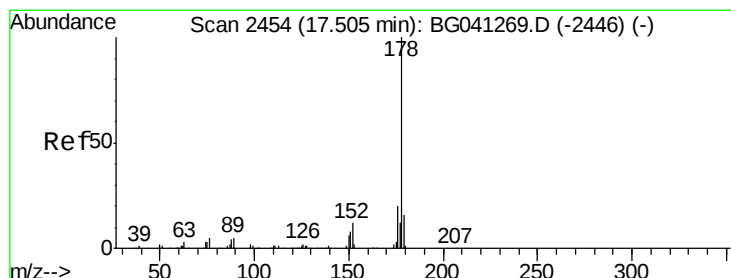
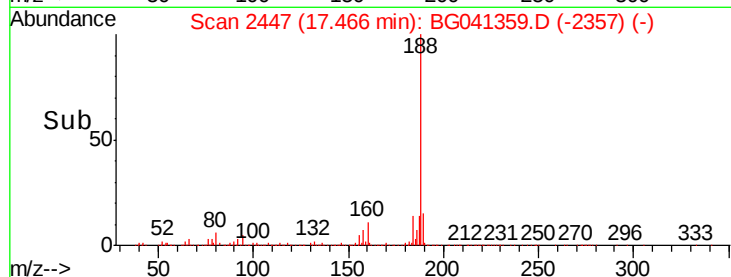
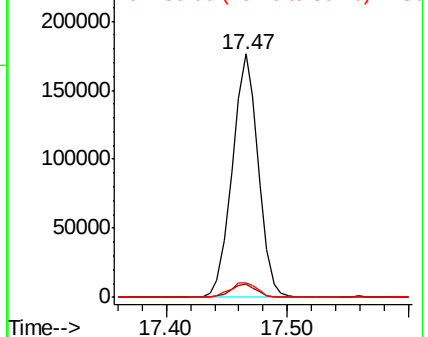
80 6.1 4.8 7.2



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



#71

Phenanthrene

Concen: 24.844 ng

RT: 17.51 min Scan# 2454

Delta R.T. 0.00 min

Lab File: BG041359.D

Acq: 20 Jun 2019 16:28

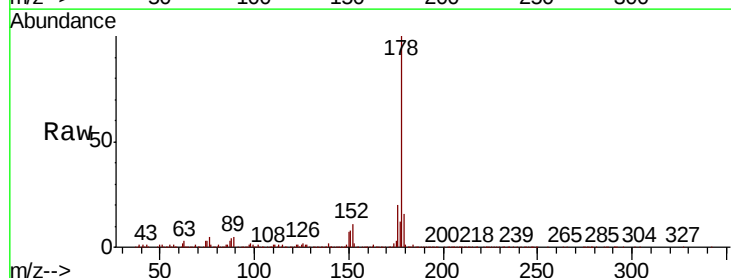
Tgt Ion:178 Resp: 349199

Ion Ratio Lower Upper

178 100

176 19.7 16.1 24.1

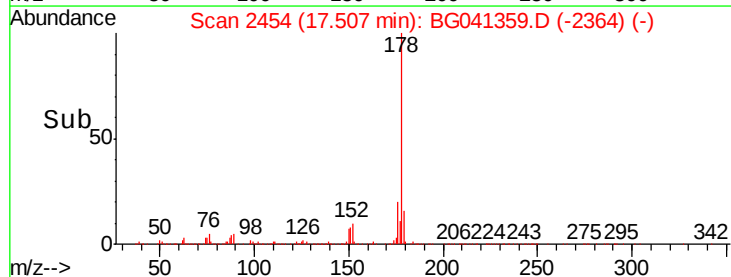
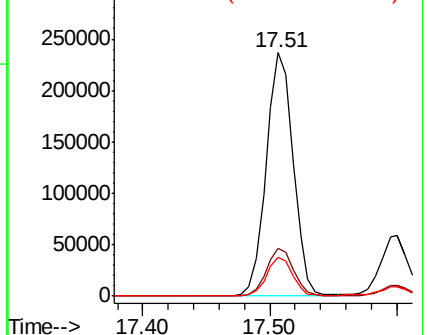
179 15.7 12.9 19.3

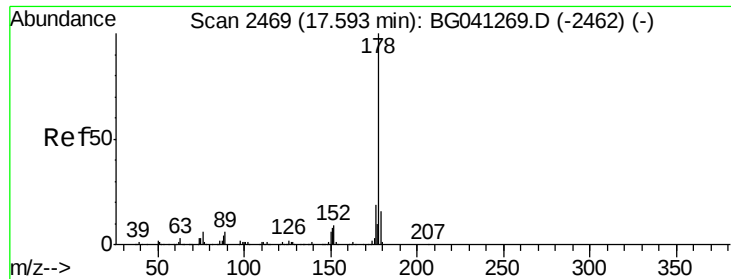


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 6.333 ng

RT: 17.60 min Scan# 2470

Delta R.T. 0.01 min

Lab File: BG041359.D

Acq: 20 Jun 2019 16:28

Instrument :

BNA_G

ClientSampleId :

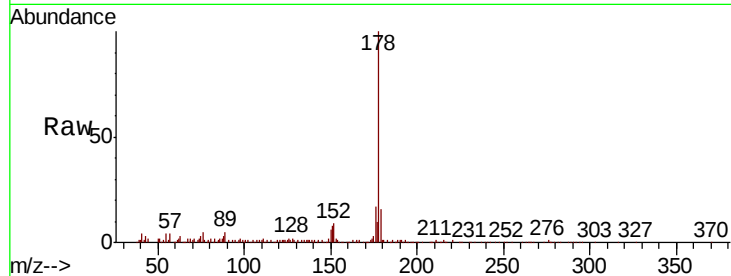
Tot Ion:178 Resp: 87760

Ion Ratio Lower Upper

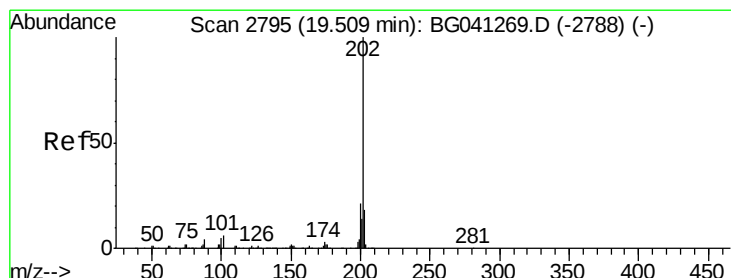
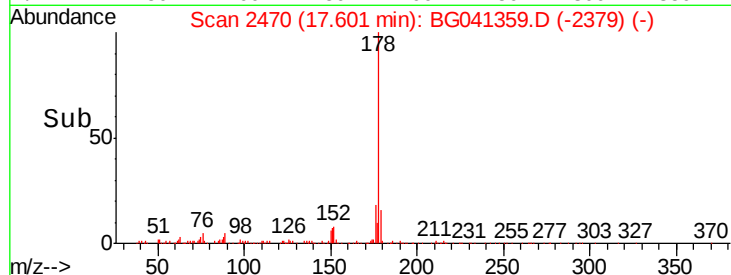
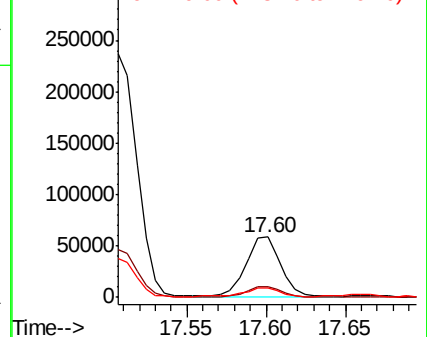
178 100

176 17.5 15.4 23.2

179 16.2 13.0 19.4



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: 30.328 ng

RT: 19.52 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BG041359.D

Acq: 20 Jun 2019 16:28

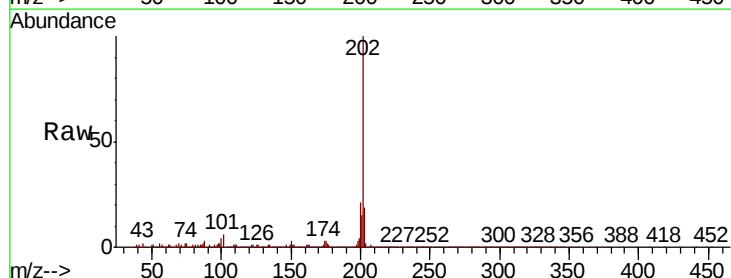
Tgt Ion:202 Resp: 566316

Ion Ratio Lower Upper

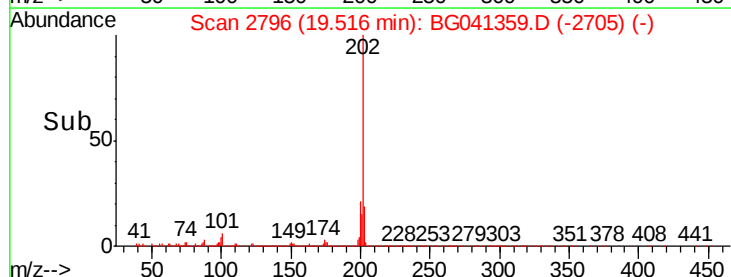
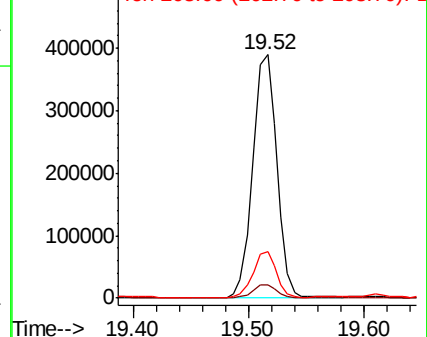
202 100

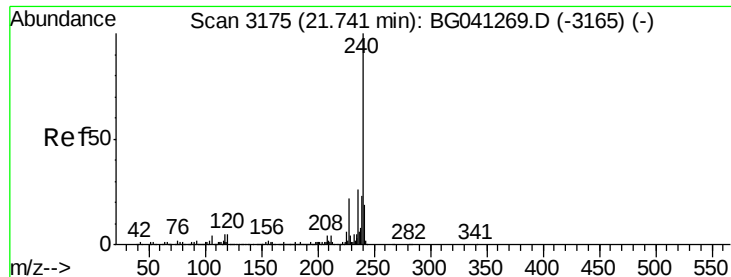
101 5.5 0.0 26.0

203 18.9 0.0 37.7



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

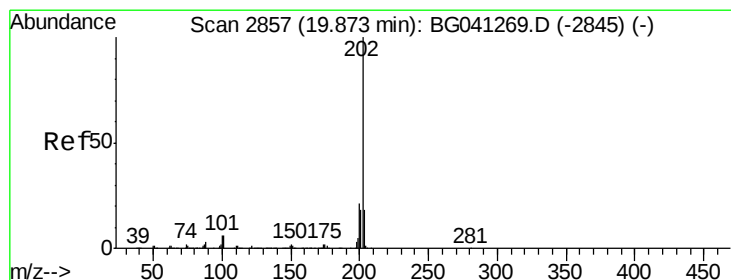
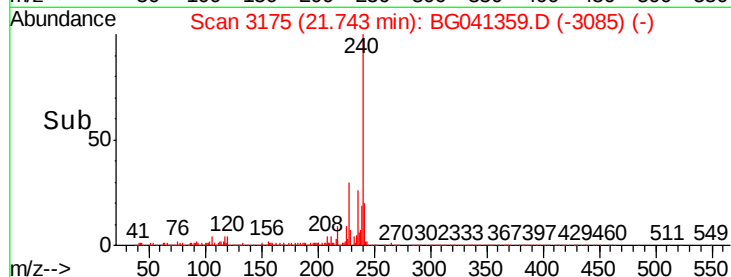
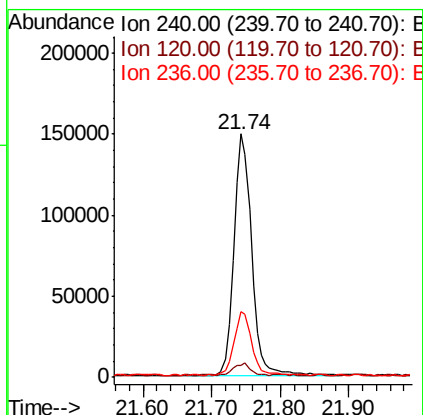
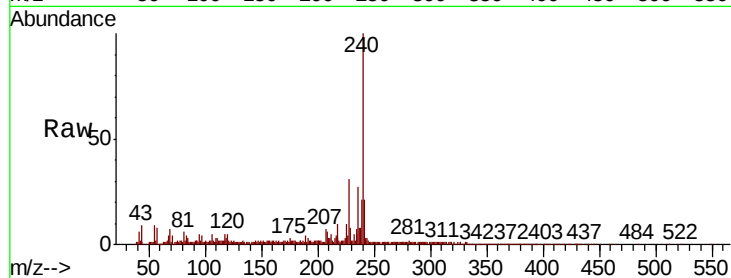




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BG041359.D
Acq: 20 Jun 2019 16:28

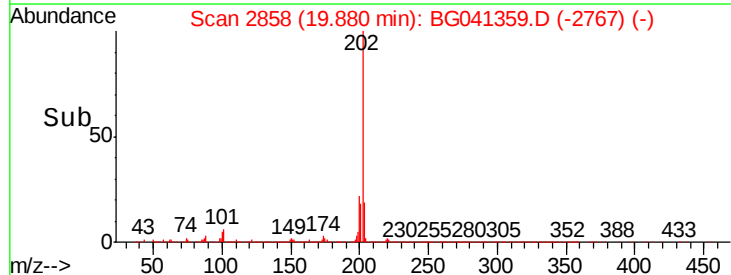
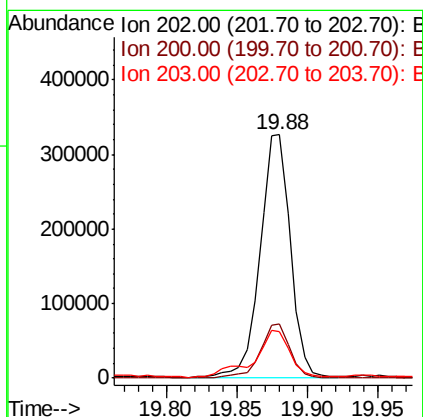
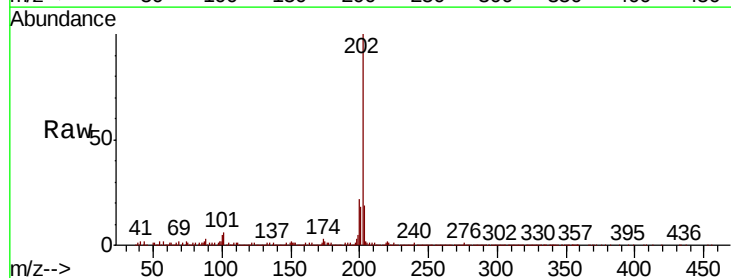
Instrument :
BNA_G
ClientSampleId :

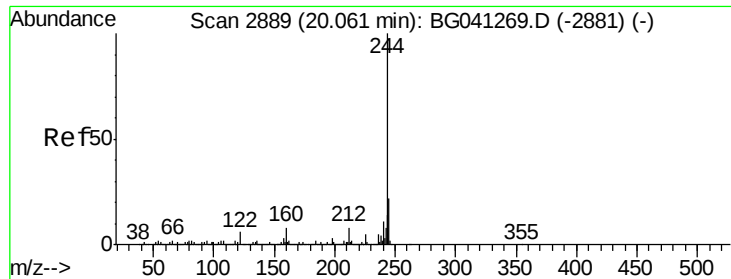
Tot Ion:240 Resp: 268741
Ion Ratio Lower Upper
240 100
120 5.1 3.7 5.5
236 26.9 21.1 31.7



#78
Pyrene
Concen: 26.986 ng
RT: 19.88 min Scan# 2858
Delta R.T. 0.01 min
Lab File: BG041359.D
Acq: 20 Jun 2019 16:28

Tgt Ion:202 Resp: 489090
Ion Ratio Lower Upper
202 100
200 22.0 16.8 25.2
203 18.9 14.6 21.8





#79

Terphenyl-d14

Concen: 33.385 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BG041359.D

Acq: 20 Jun 2019 16:28

Instrument :

BNA_G

ClientSampleId :

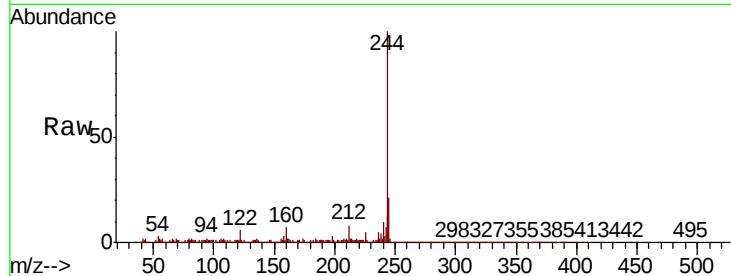
Tot Ion:244 Resp: 452711

Ion Ratio Lower Upper

244 100

212 8.2 6.6 10.0

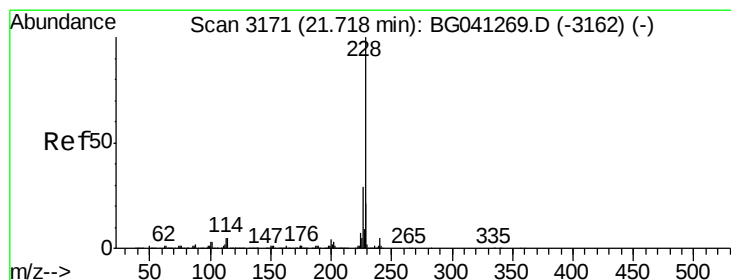
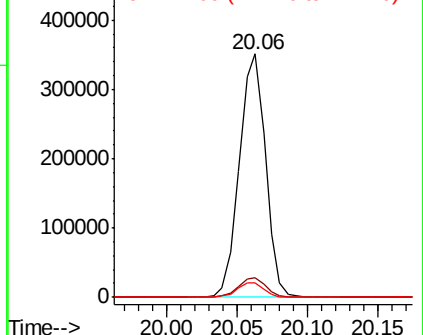
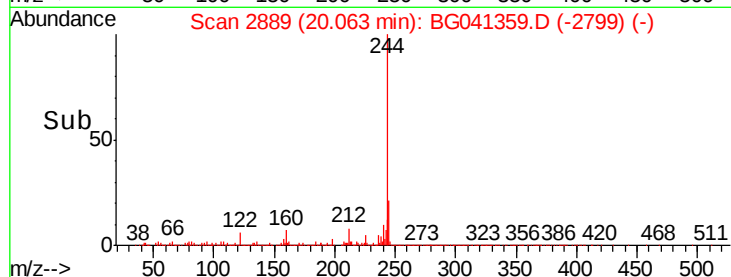
122 5.9 5.0 7.4



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: 14.982 ng

RT: 21.73 min Scan# 3172

Delta R.T. 0.01 min

Lab File: BG041359.D

Acq: 20 Jun 2019 16:28

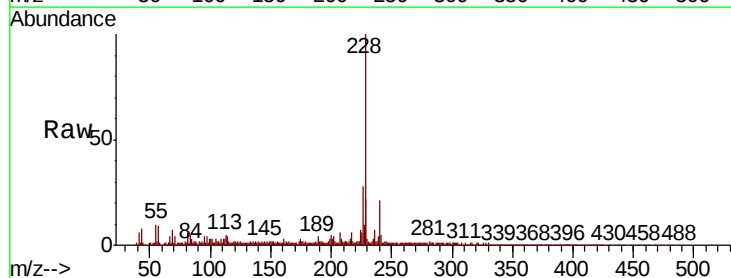
Tgt Ion:228 Resp: 272608

Ion Ratio Lower Upper

228 100

226 28.3 23.2 34.8

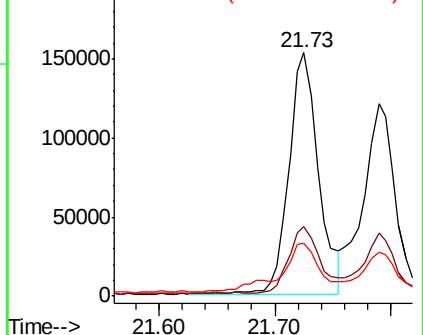
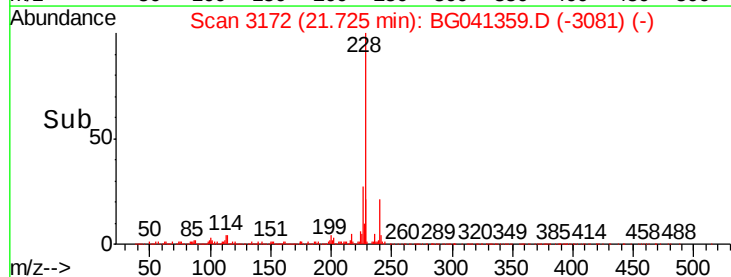
229 21.6 16.8 25.2

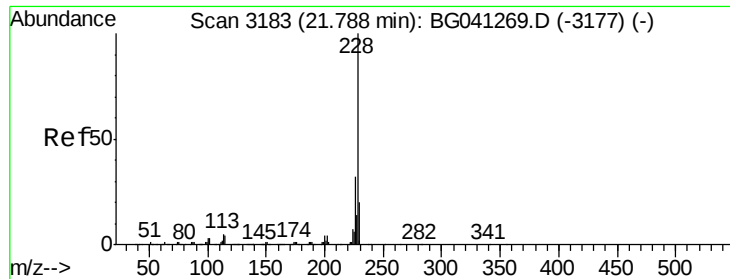


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

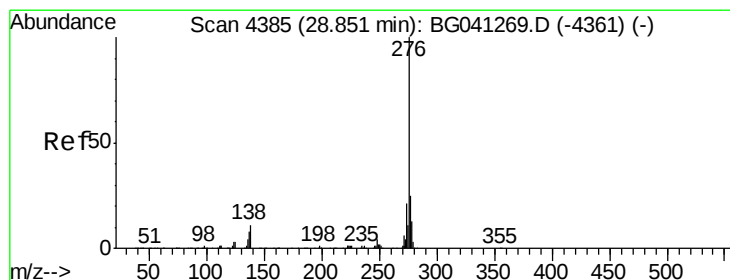
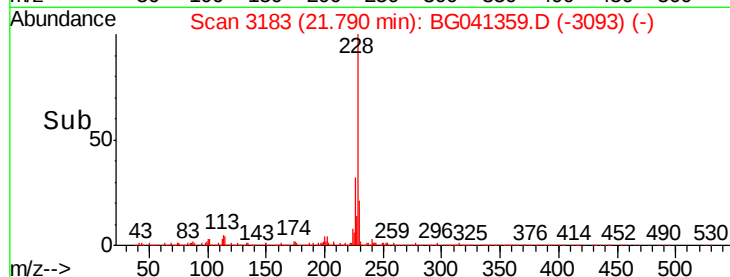
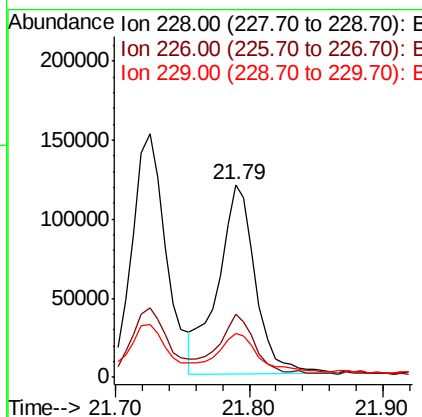
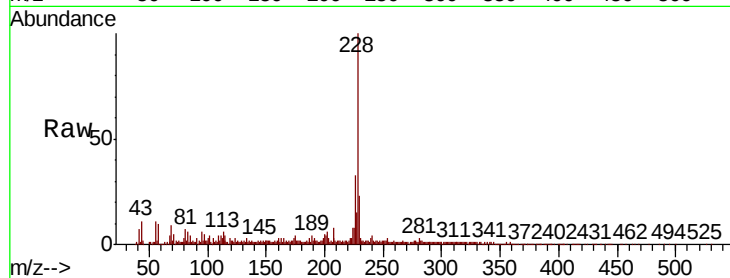




#83
Chrysene
Concen: 13.319 ng
RT: 21.79 min Scan# 3183
Delta R.T. 0.00 min
Lab File: BG041359.D
Acq: 20 Jun 2019 16:28

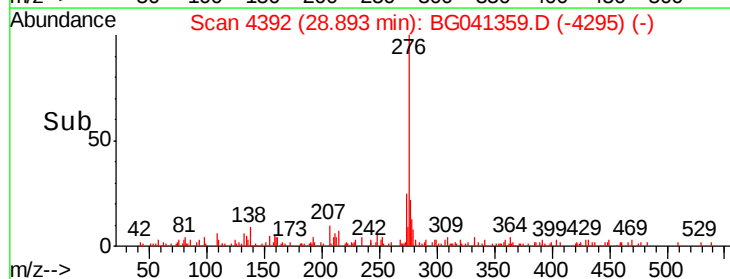
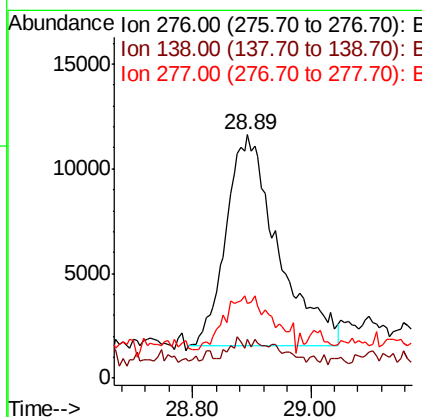
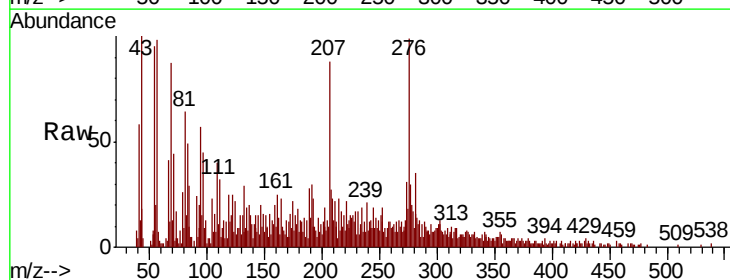
Instrument :
BNA_G
ClientSampleId :

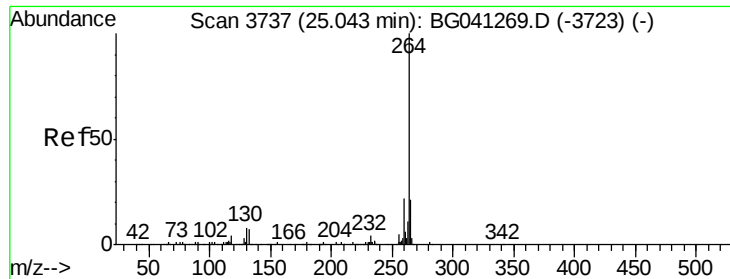
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.6	25.4	38.0
229	22.8	16.2	24.2



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.961 ng
RT: 28.89 min Scan# 4392
Delta R.T. 0.04 min
Lab File: BG041359.D
Acq: 20 Jun 2019 16:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	7.7	11.5#
277	26.3	20.6	31.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.07 min Scan# 3741

Delta R.T. 0.03 min

Lab File: BG041359.D

Acq: 20 Jun 2019 16:28

Instrument :

BNA_G

ClientSampleId :

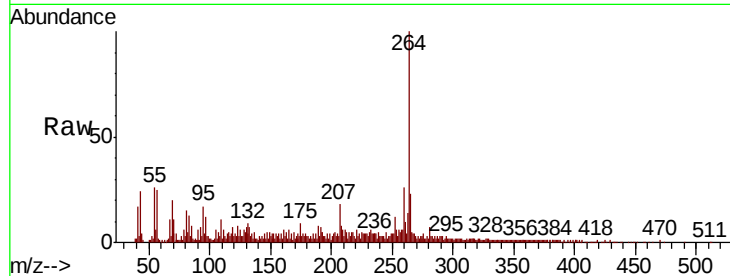
Tot Ion:264 Resp: 204223

Ion Ratio Lower Upper

264 100

260 25.9 17.4 26.2

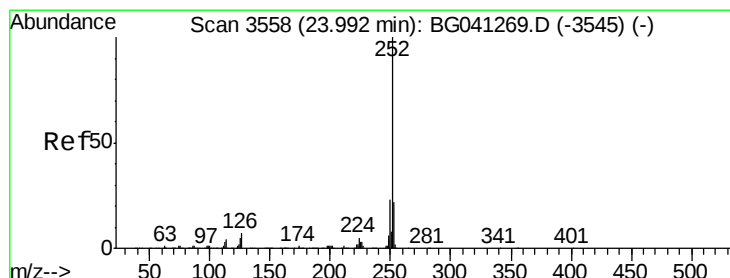
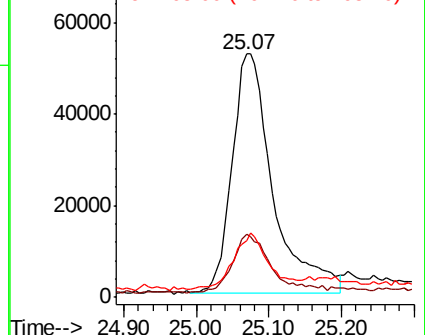
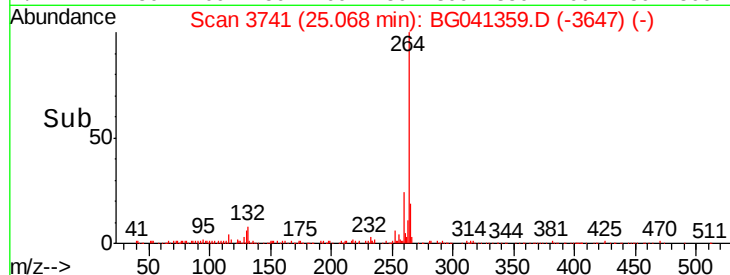
265 23.3 17.2 25.8



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



#88

Benzo(b)fluoranthene

Concen: 16.554 ng

RT: 24.01 min Scan# 3561

Delta R.T. 0.02 min

Lab File: BG041359.D

Acq: 20 Jun 2019 16:28

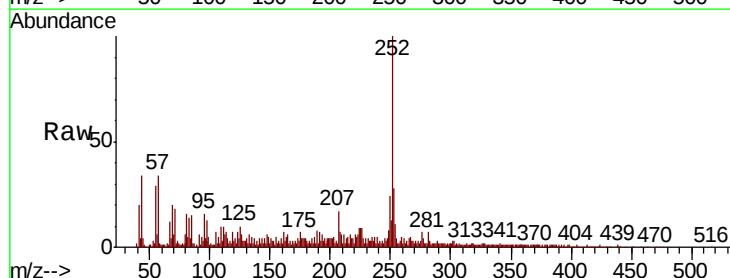
Tgt Ion:252 Resp: 209517

Ion Ratio Lower Upper

252 100

253 28.4 17.4 26.0#

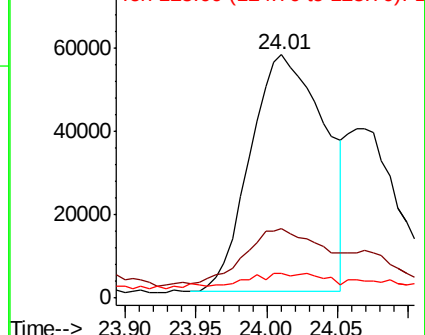
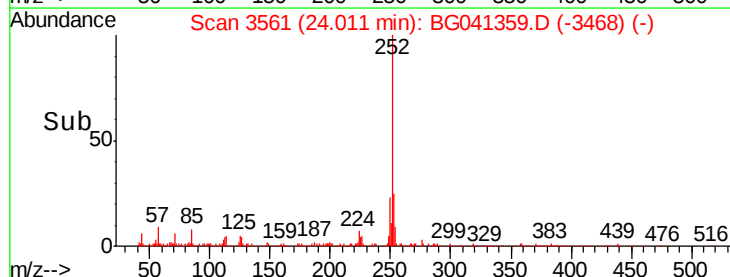
125 10.2 3.9 5.9#

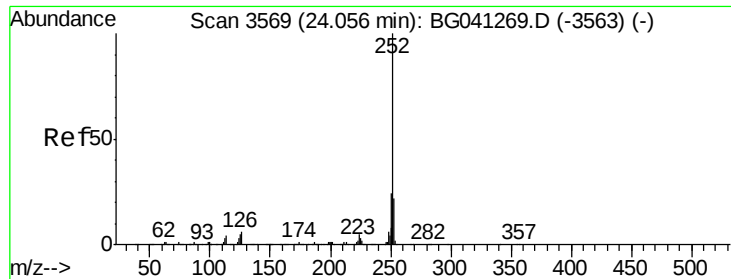


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

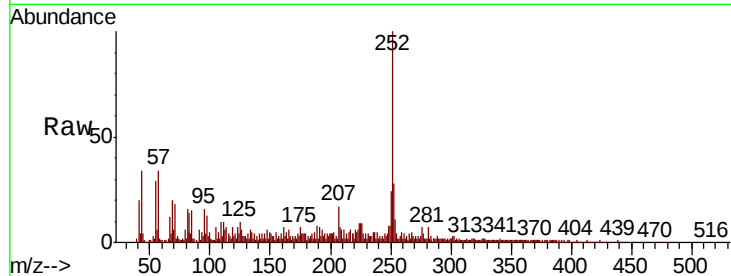




#89
Benzo(k)fluoranthene
Concen: 16.711 ng
RT: 24.01 min Scan# 3561
Delta R.T. -0.05 min
Lab File: BG041359.D
Acq: 20 Jun 2019 16:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.0	27.0#
125	10.2	4.3	6.5#

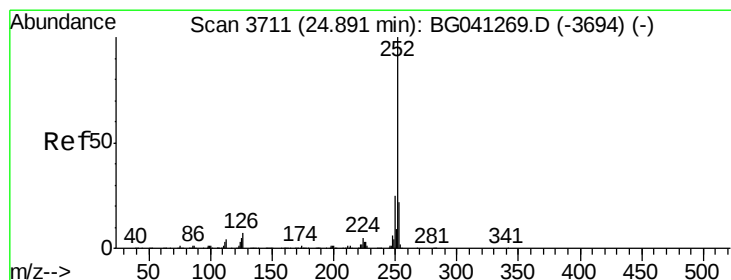
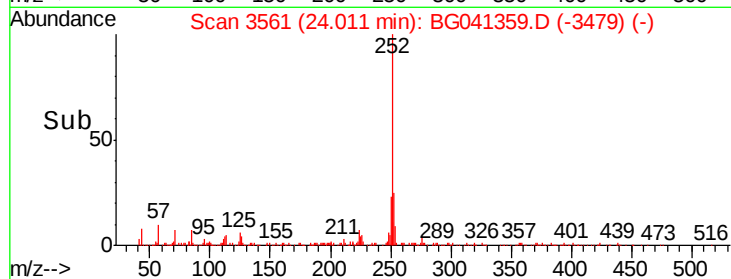
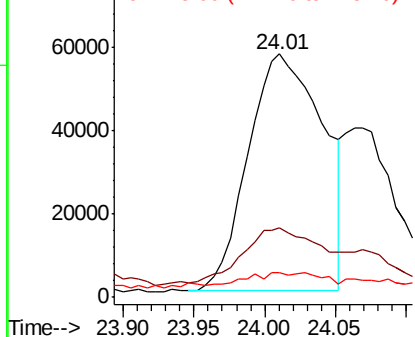


Abundance

Ion 252.00 (251.70 to 252.70): E

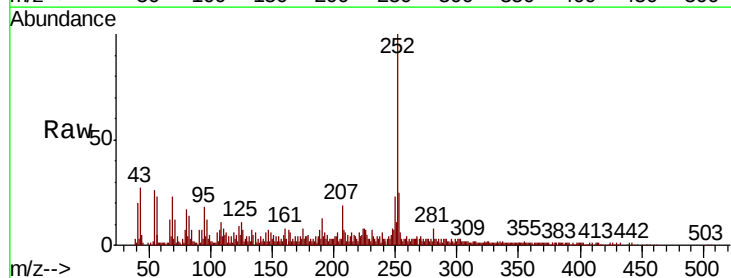
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 12.565 ng
RT: 24.92 min Scan# 3715
Delta R.T. 0.03 min
Lab File: BG041359.D
Acq: 20 Jun 2019 16:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.8	26.6
125	10.9	4.2	6.4#

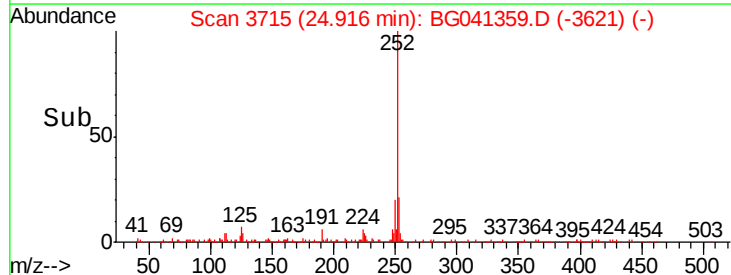
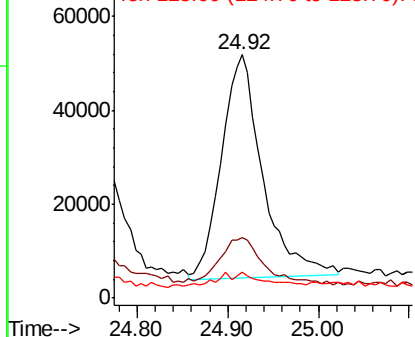


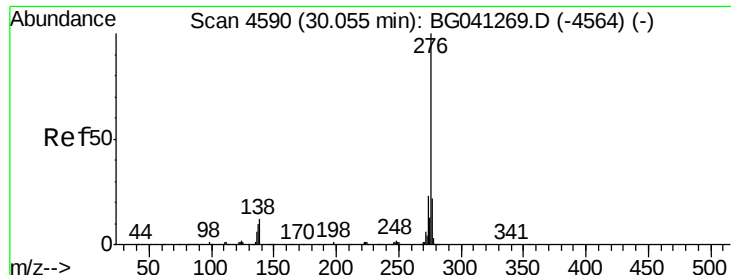
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

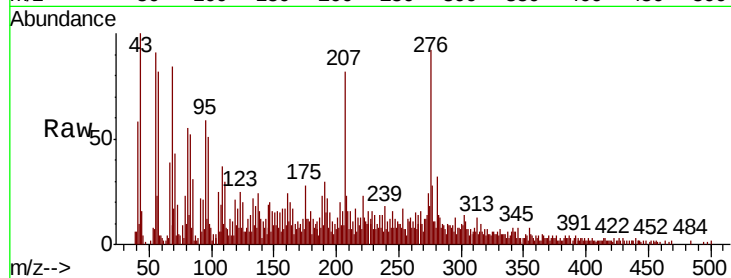




#92
 Benzo(a,h,i)perylene
 Concen: 4.392 ng
 RT: 30.10 min Scan# 4598
 Delta R.T. 0.05 min
 Lab File: BG041359.D
 Acq: 20 Jun 2019 16:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.8	17.9	26.9#
138	17.2	9.4	14.0#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

