

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG090419\
 Data File : BG042717.D
 Acq On : 4 Sep 2019 21:10
 Operator : HP/JU
 Sample : K4554-25RX
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 01:34:05 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

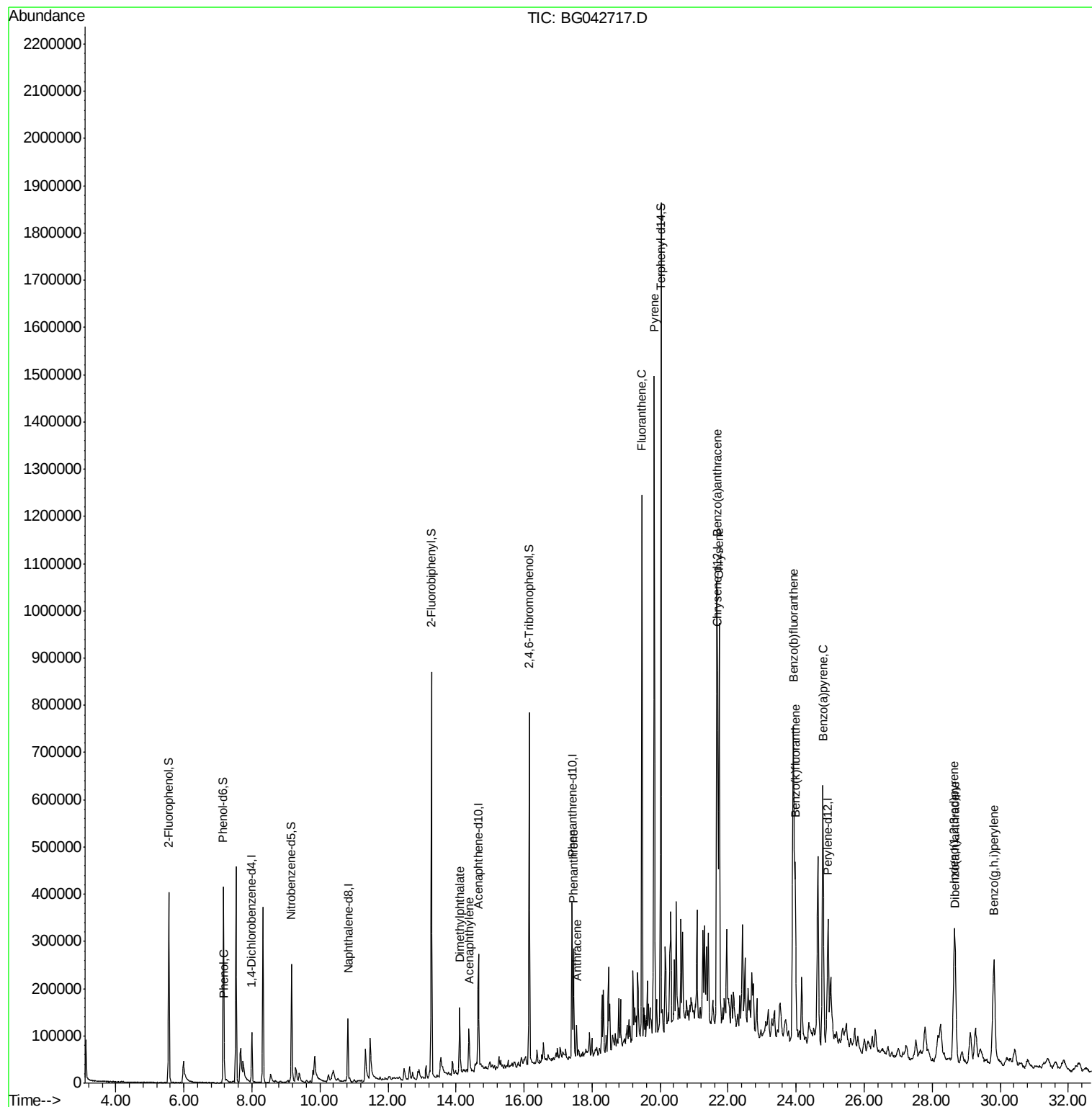
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	34768	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	130411	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	101876	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	222850	20.00	ng	0.00
76) Chrysene-d12	21.69	240	244965	20.00	ng	0.00
87) Perylene-d12	24.94	264	295942	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	203936	118.80	ng	0.00
7) Phenol-d6	7.16	99	273807	118.08	ng	0.00
23) Nitrobenzene-d5	9.17	82	158930	84.22	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	186910	129.08	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	515826	85.63	ng	0.00
79) Terphenyl-d14	20.02	244	893134	78.82	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.19	94	10296	4.367	ng	81
49) Acenaphthylene	14.38	152	104182	12.195	ng	97
50) Dimethylphthalate	14.10	163	50992	6.937	ng	97
71) Phenanthrene	17.45	178	163436	14.765	ng	98
72) Anthracene	17.54	178	52773	4.776	ng	98
75) Fluoranthene	19.47	202	788069	58.335	ng	98
78) Pyrene	19.83	202	925669	61.635	ng	100
81) Benzo(a)anthracene	21.67	228	638427	42.843	ng	100
83) Chrysene	21.73	228	637374	44.350	ng	99
86) Indeno(1,2,3-cd)pyrene	28.65	276	510846	26.157	ng	98
88) Benzo(b)fluoranthene	23.92	252	923215	56.744	ng	99
89) Benzo(k)fluoranthene	23.97	252	329107m	21.044	ng	
90) Benzo(a)pyrene	24.79	252	610830m	39.565	ng	
91) Dibenzo(a,h)anthracene	28.68	278	140676	8.999	ng	96
92) Benzo(a,h,i)perylene	29.82	276	496005	31.726	ng	97

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

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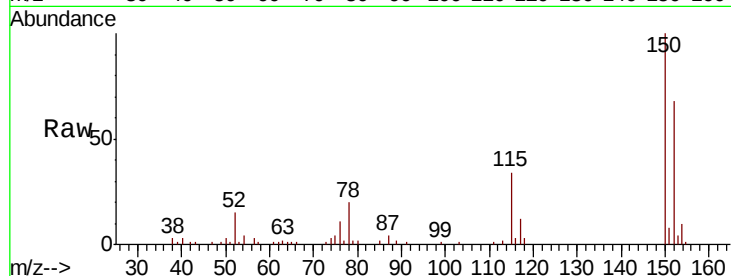


#1

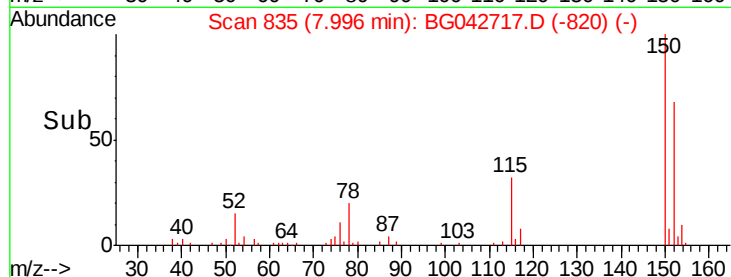
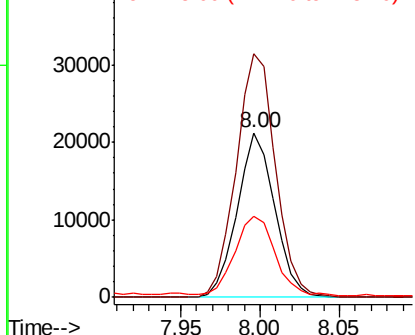
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042717.D
Acq: 4 Sep 2019 21:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 34768
Ion Ratio Lower Upper
152 100
150 148.1 125.4 188.0
115 49.7 38.5 57.7



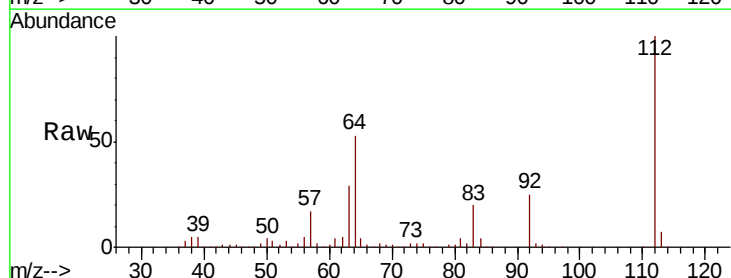
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



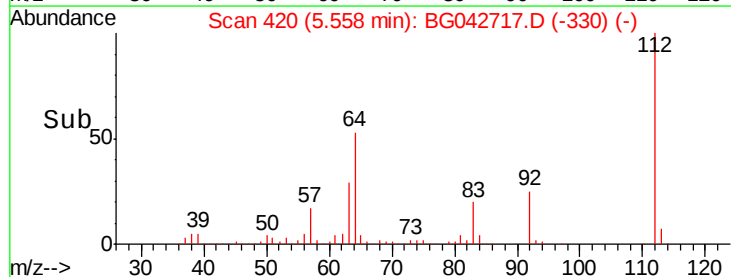
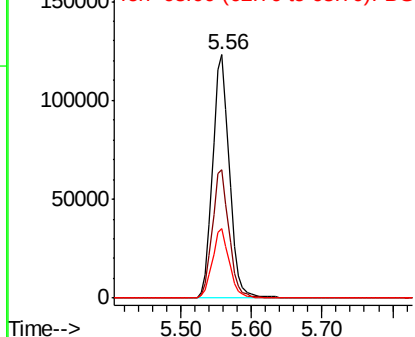
#5

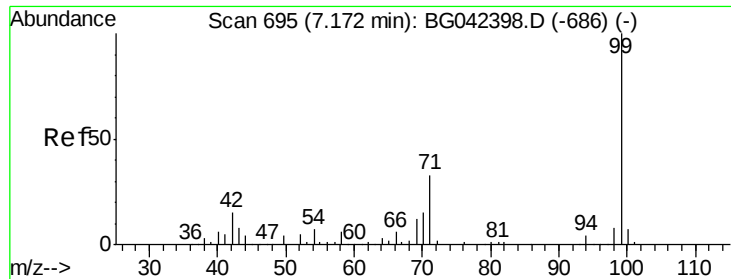
2-Fluorophenol
Concen: 118.796 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.00 min
Lab File: BG042717.D
Acq: 4 Sep 2019 21:10

Tgt Ion:112 Resp: 203936
Ion Ratio Lower Upper
112 100
64 52.6 42.8 64.2
63 28.6 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: 118.078 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042717.D

Acq: 4 Sep 2019 21:10

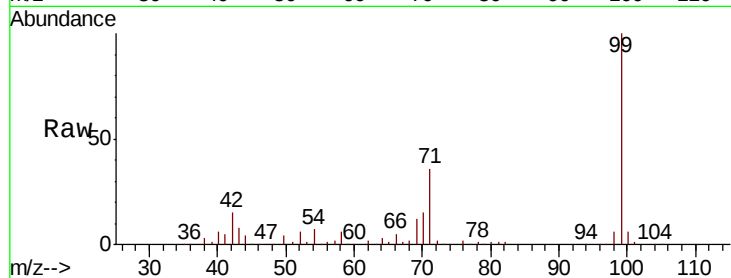
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 273807

Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.0	18.0
71	35.9	26.3	39.5

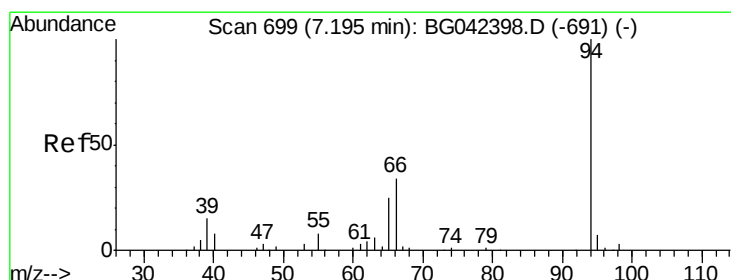
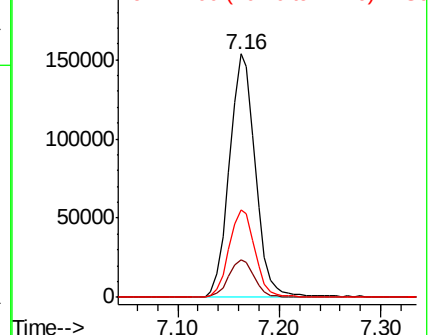
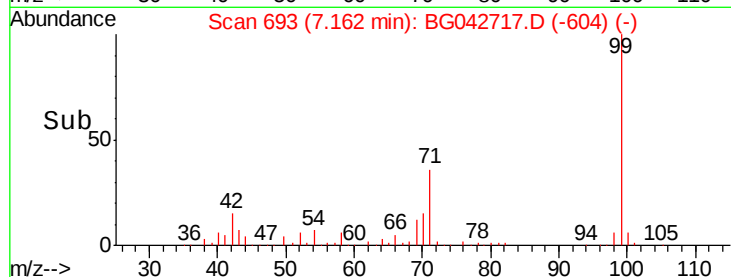


Abundance

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: 4.367 ng

RT: 7.19 min Scan# 698

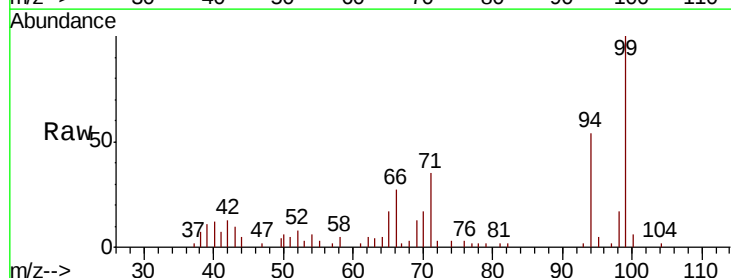
Delta R.T. -0.00 min

Lab File: BG042717.D

Acq: 4 Sep 2019 21:10

Tgt Ion: 94 Resp: 10296

Ion	Ratio	Lower	Upper
94	100		
65	30.7	5.6	45.6
66	50.8	16.0	56.0

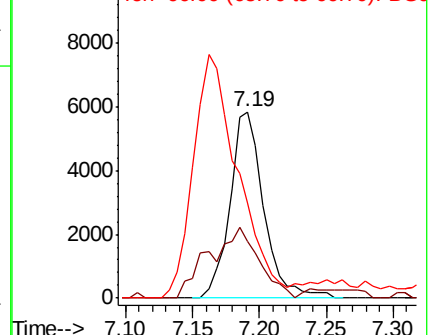
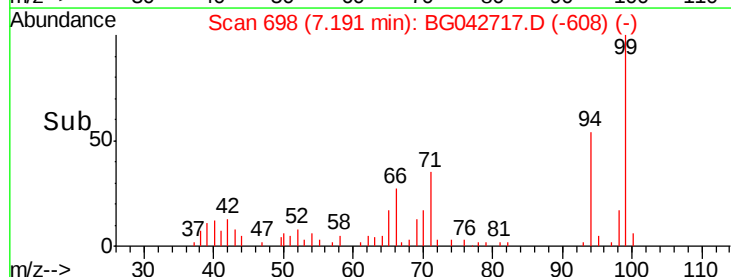


Abundance

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

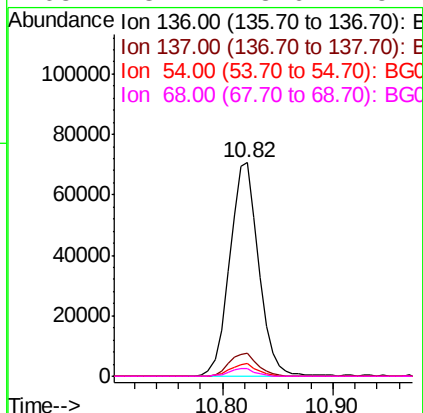
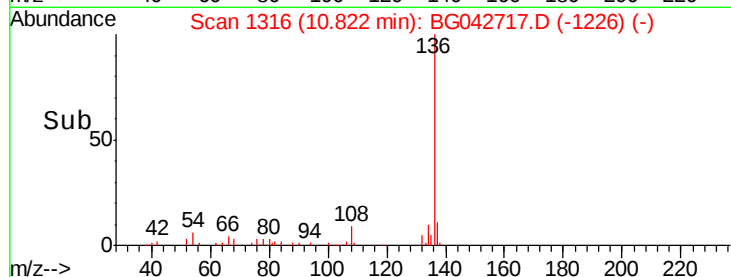
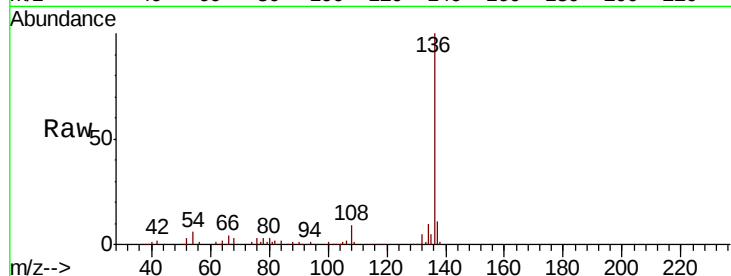




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BG042717.D
Acq: 4 Sep 2019 21:10

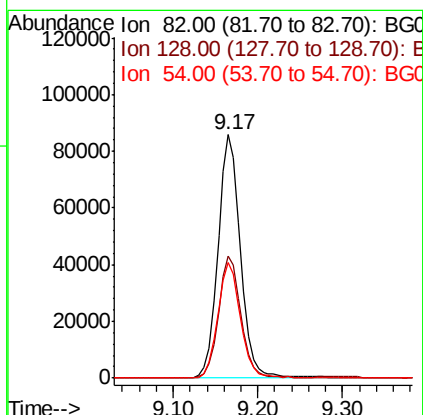
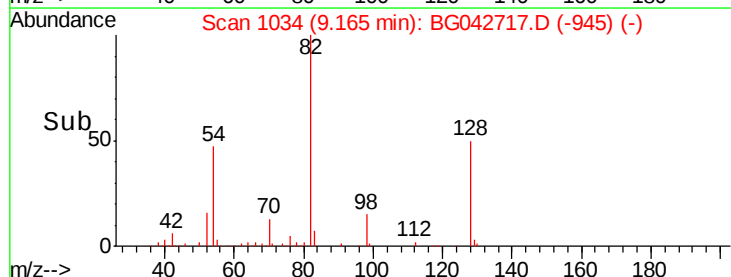
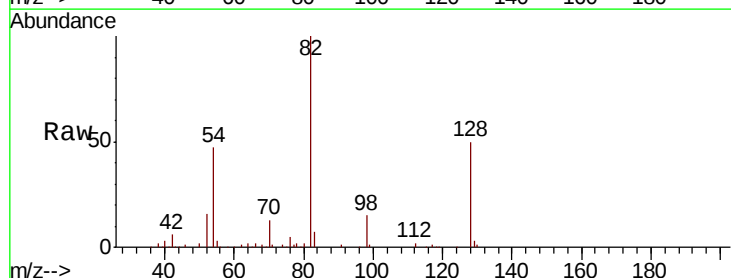
Instrument :
BNA_F
ClientSampleId :

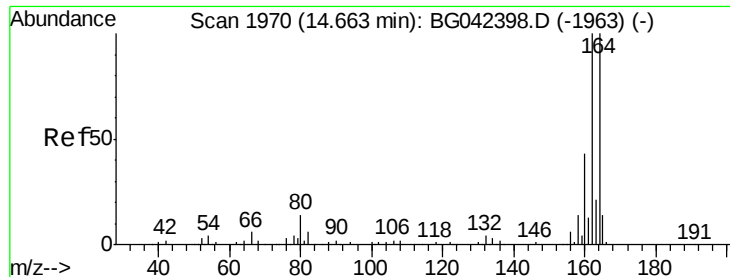
Tot Ion:136	Resp: 130411
Ion Ratio	Lower Upper
136 100	
137 11.0	8.7 13.1
54 6.0	4.9 7.3
68 3.4	3.6 5.4#



#23
Nitrobenzene-d5
Concen: 84.216 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042717.D
Acq: 4 Sep 2019 21:10

Tgt	Ion: 82	Resp:	158930
Ion	Ratio	Lower	Upper
82	100		
128	50.2	40.7	61.1
54	47.4	36.3	54.5

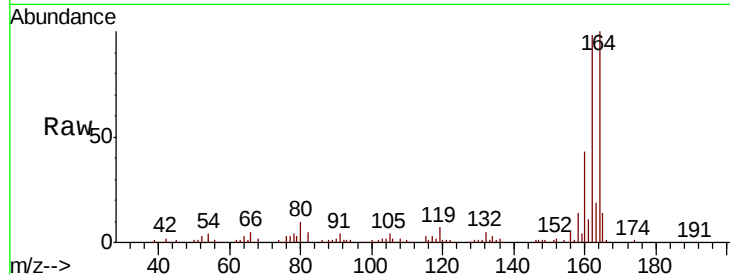




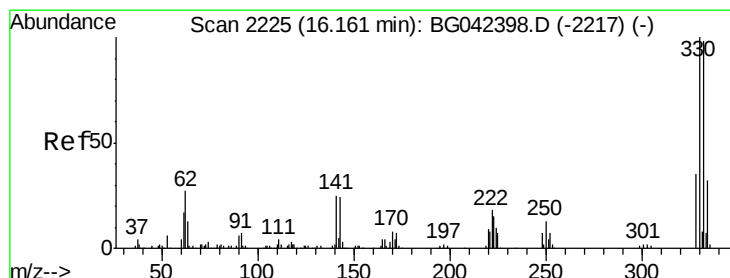
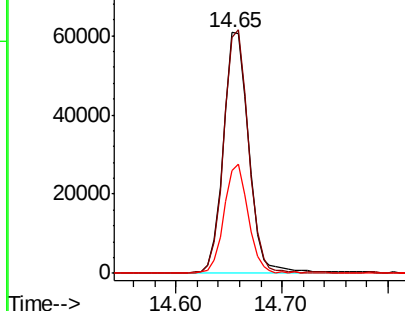
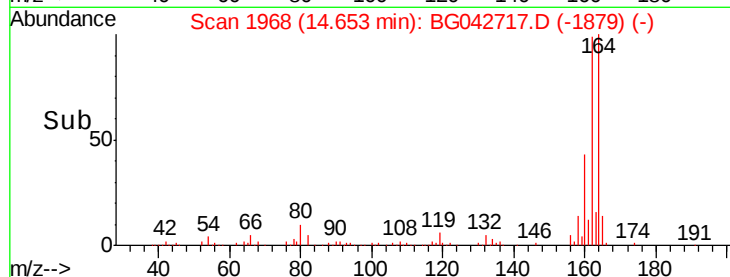
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BG042717.D
Acq: 4 Sep 2019 21:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 101876
Ion Ratio Lower Upper
164 100
162 98.0 79.9 119.9
160 42.6 34.3 51.5

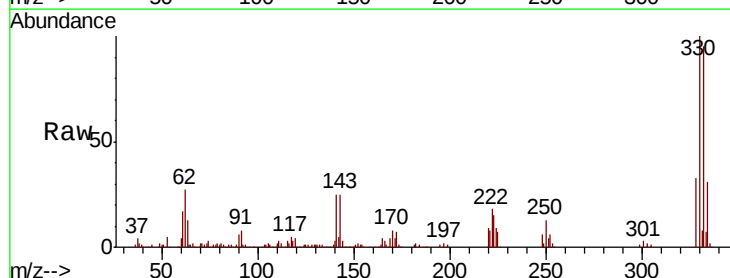


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

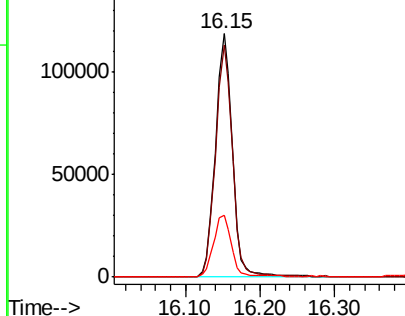
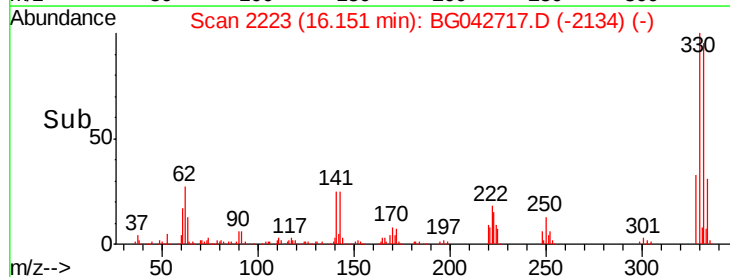


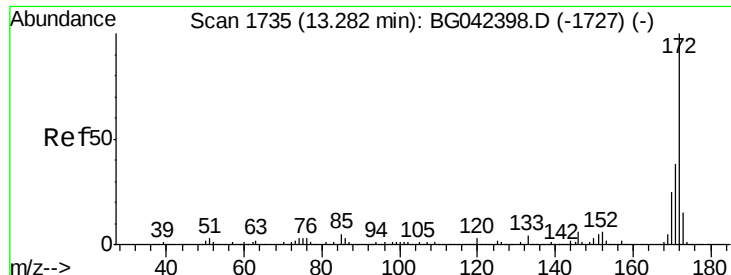
#42
2,4,6-Tribromophenol
Concen: 129.081 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BG042717.D
Acq: 4 Sep 2019 21:10

Tgt Ion:330 Resp: 186910
Ion Ratio Lower Upper
330 100
332 95.2 77.4 116.0
141 26.2 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

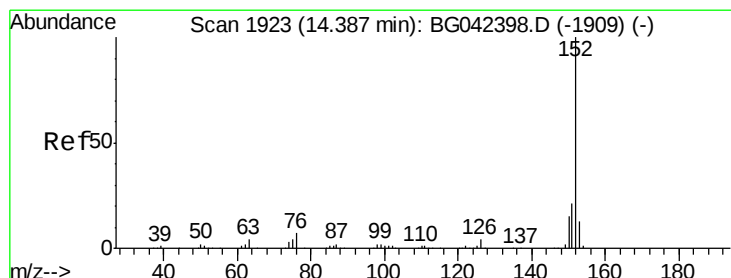
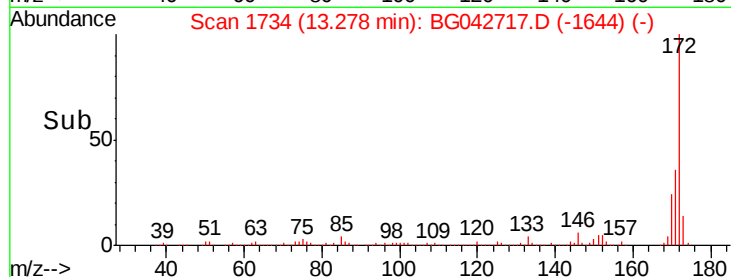
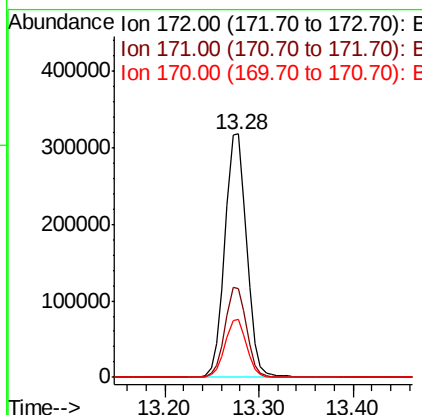
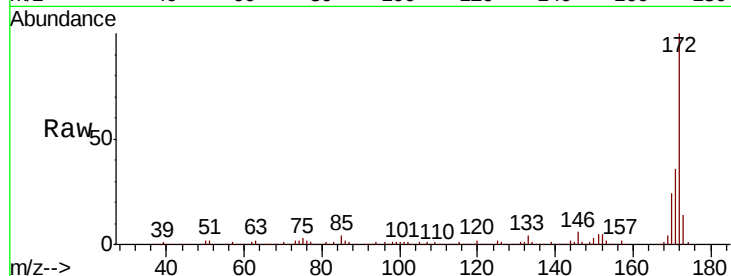




#45
2-Fluorobiphenyl
Concen: 85.634 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG042717.D
Acq: 4 Sep 2019 21:10

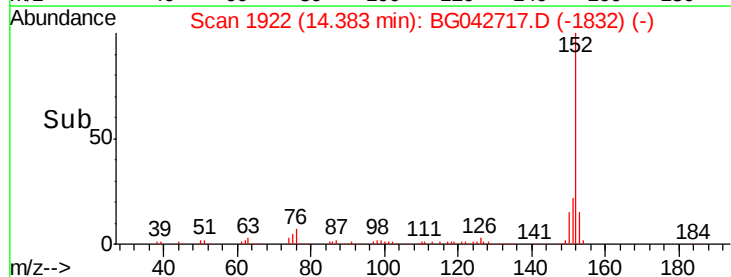
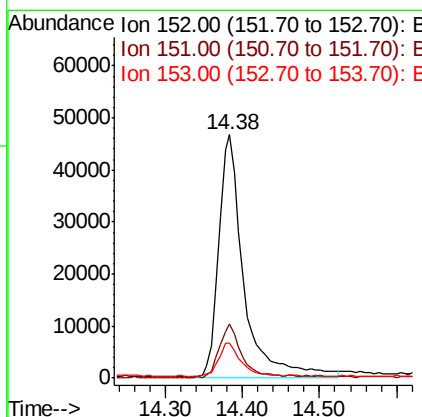
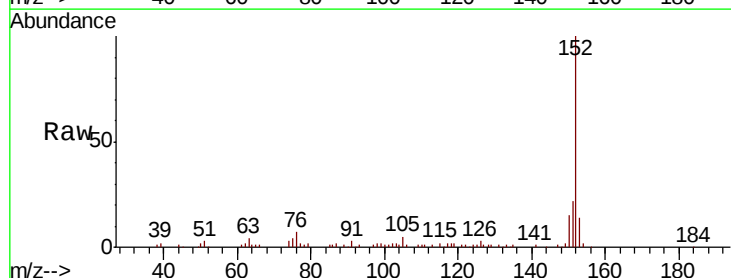
Instrument :
BNA_F
ClientSampleId :

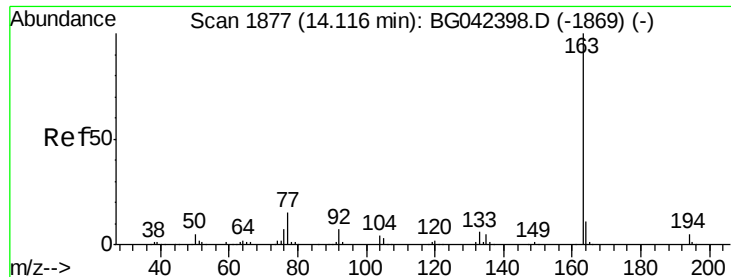
Tot Ion:172 Resp: 515826
Ion Ratio Lower Upper
172 100
171 36.3 30.5 45.7
170 24.0 20.2 30.2



#49
Acenaphthylene
Concen: 12.195 ng
RT: 14.38 min Scan# 1922
Delta R.T. -0.00 min
Lab File: BG042717.D
Acq: 4 Sep 2019 21:10

Tgt Ion:152 Resp: 104182
Ion Ratio Lower Upper
152 100
151 22.4 17.0 25.4
153 14.5 10.6 16.0

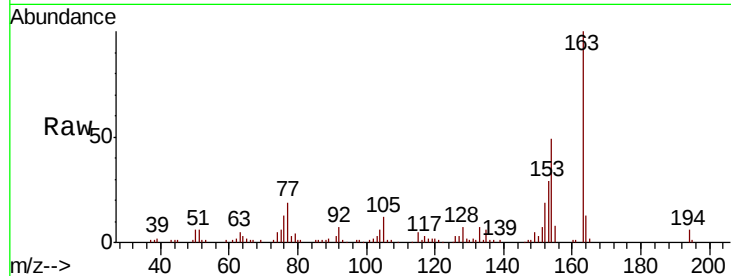




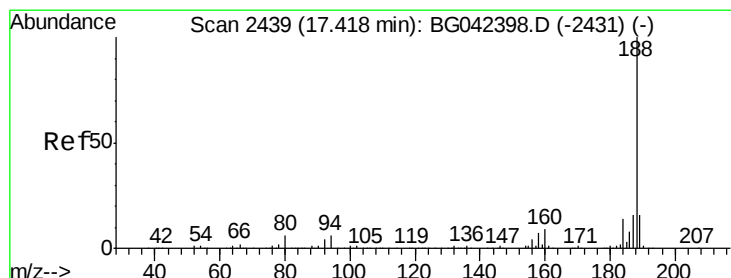
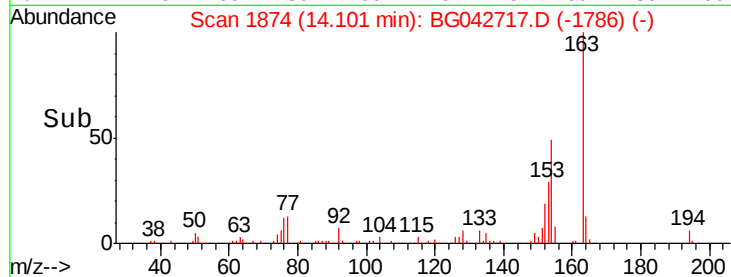
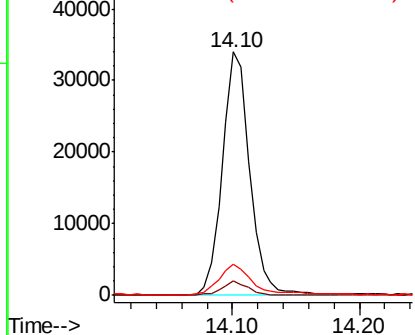
#50
Dimethylphthalate
Concen: 6.937 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.02 min
Lab File: BG042717.D
Acq: 4 Sep 2019 21:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 50992
Ion Ratio Lower Upper
163 100
194 5.8 4.2 6.2
164 12.6 8.8 13.2

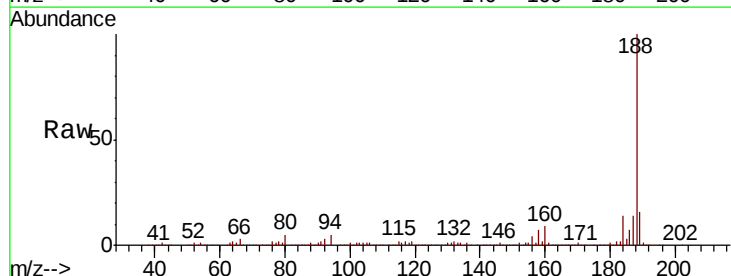


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

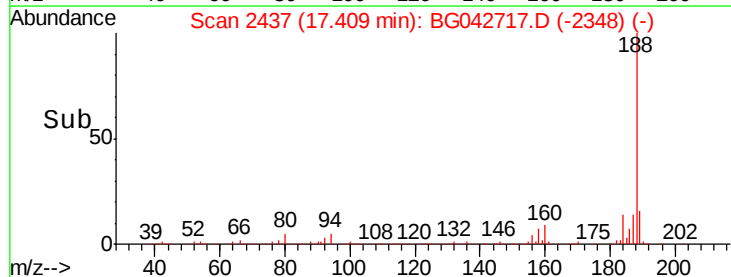
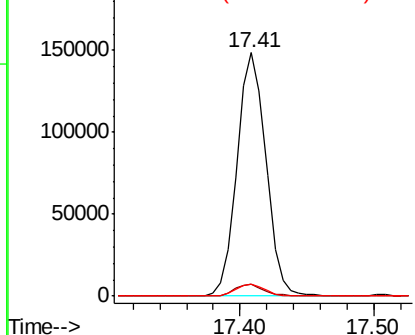


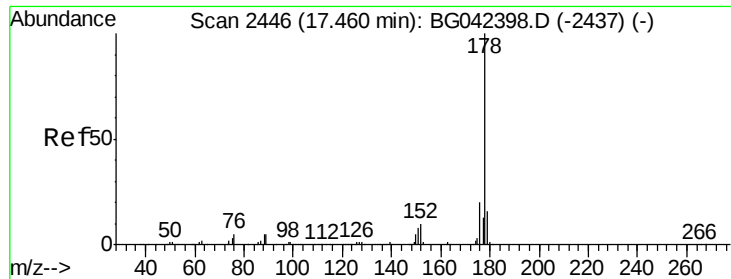
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG042717.D
Acq: 4 Sep 2019 21:10

Tgt Ion:188 Resp: 222850
Ion Ratio Lower Upper
188 100
94 4.9 4.5 6.7
80 5.1 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

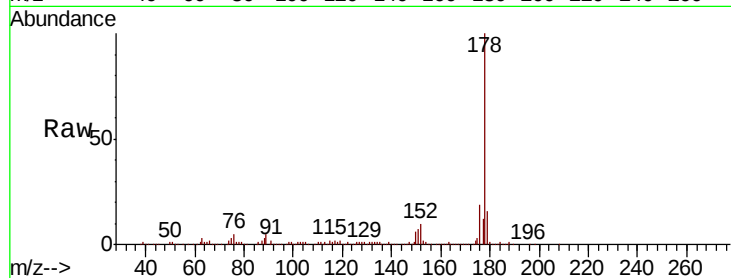




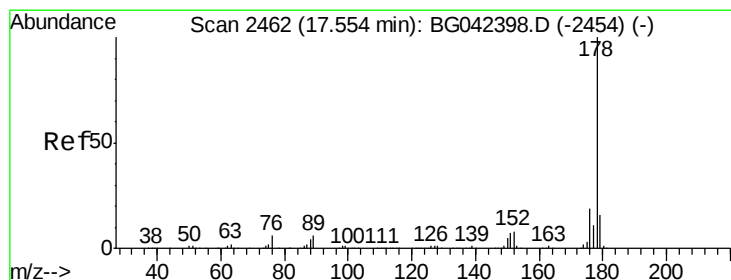
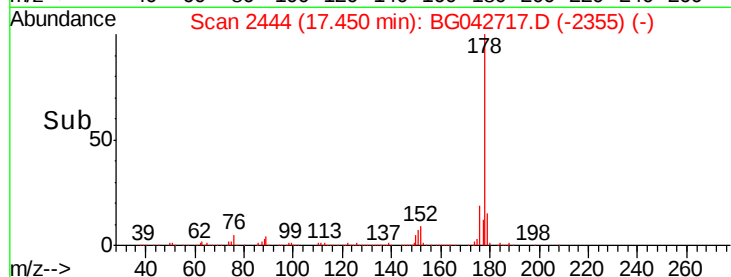
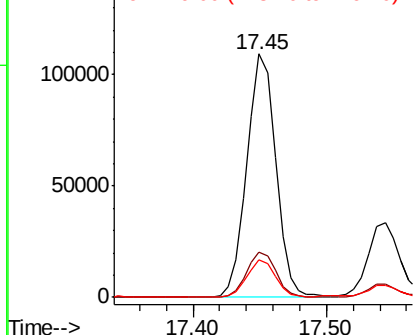
#71
Phenanthrene
Concen: 14.765 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BG042717.D
Acq: 4 Sep 2019 21:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 163436
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 15.5 12.7 19.1

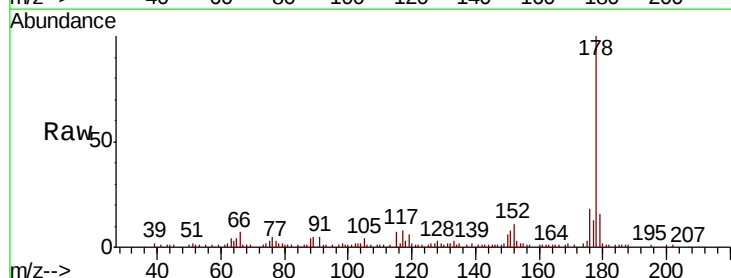


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

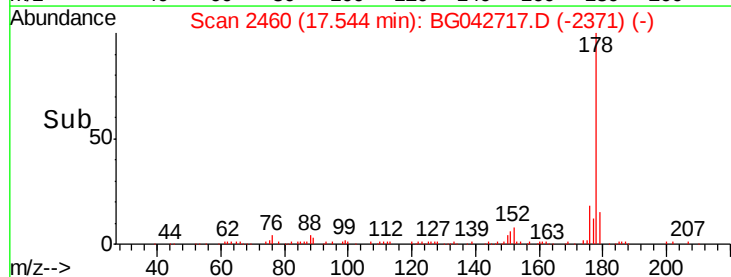
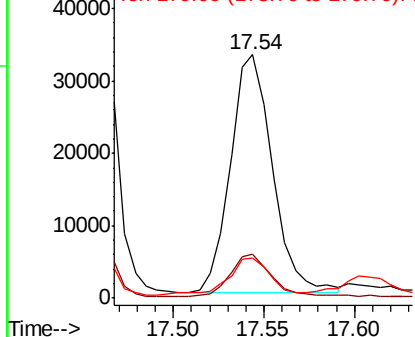


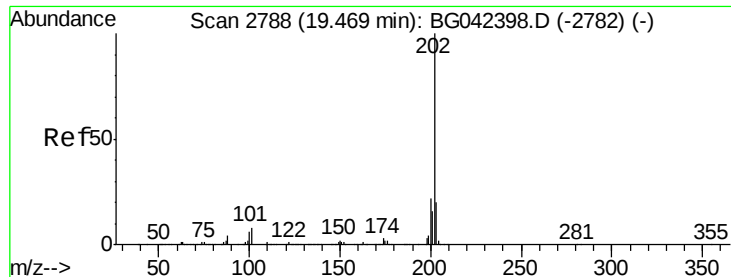
#72
Anthracene
Concen: 4.776 ng
RT: 17.54 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BG042717.D
Acq: 4 Sep 2019 21:10

Tgt Ion:178 Resp: 52773
Ion Ratio Lower Upper
178 100
176 18.1 15.5 23.3
179 16.3 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





#75

Fluoranthene

Concen: 58.335 ng

RT: 19.47 min Scan# 2787

Delta R.T. -0.00 min

Lab File: BG042717.D

Acq: 4 Sep 2019 21:10

Instrument :

BNA_F

ClientSampleId :

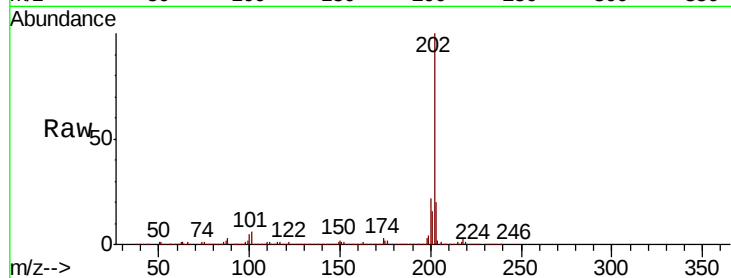
Tot Ion:202 Resp: 788069

Ion Ratio Lower Upper

202 100

101 6.5 0.0 28.3

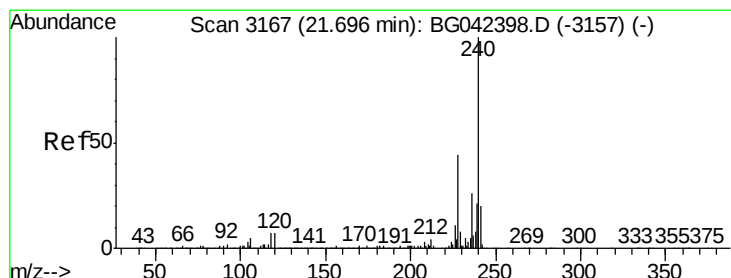
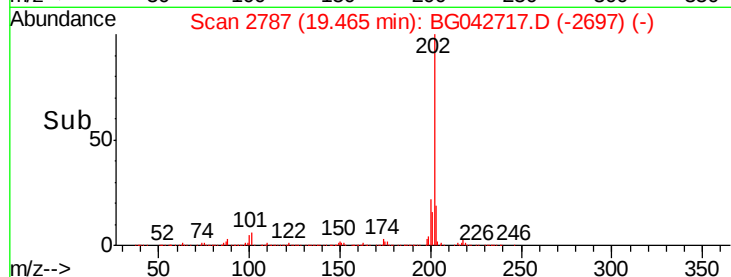
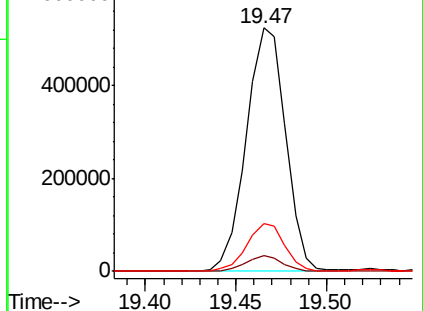
203 19.5 0.0 39.6



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: 21.69 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BG042717.D

Acq: 4 Sep 2019 21:10

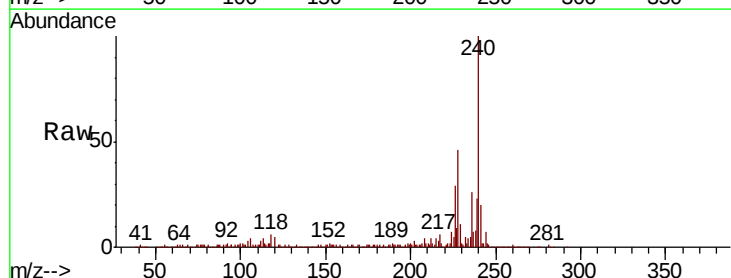
Tgt Ion:240 Resp: 244965

Ion Ratio Lower Upper

240 100

120 4.9 5.7 8.5#

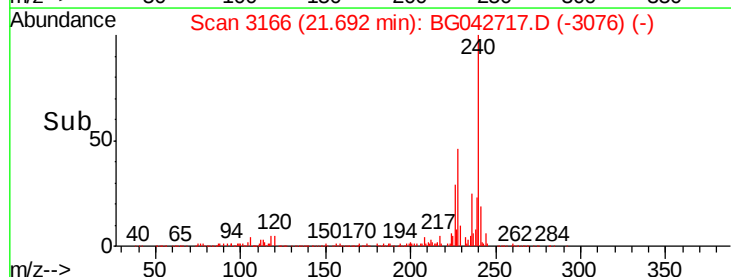
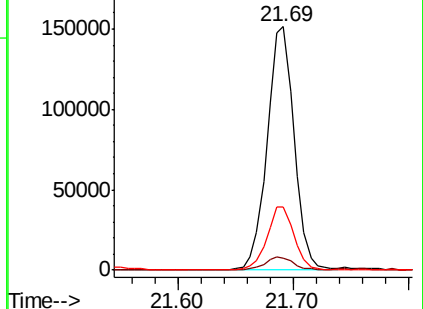
236 25.8 21.0 31.4

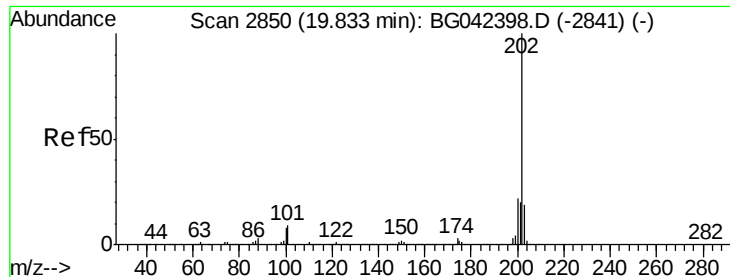


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 61.635 ng

RT: 19.83 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG042717.D

Acq: 4 Sep 2019 21:10

Instrument :

BNA_F

ClientSampleId :

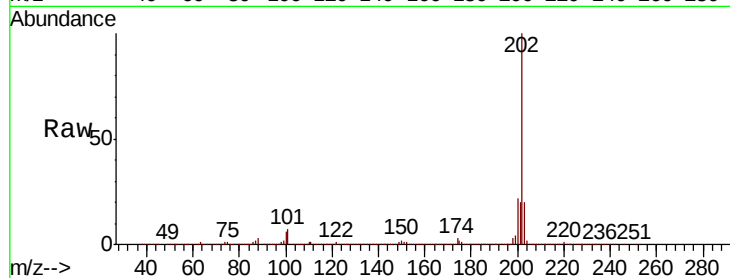
Tot Ion:202 Resp: 925669

Ion Ratio Lower Upper

202 100

200 22.2 17.8 26.6

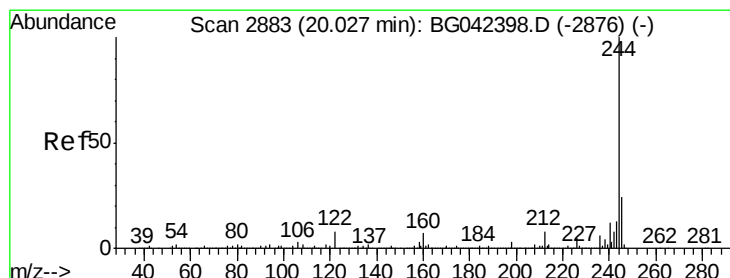
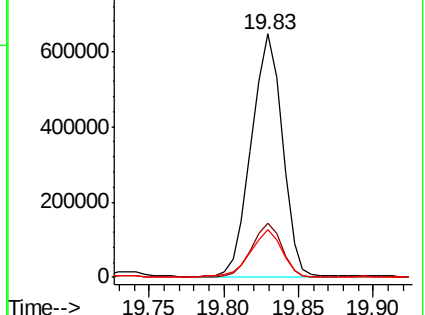
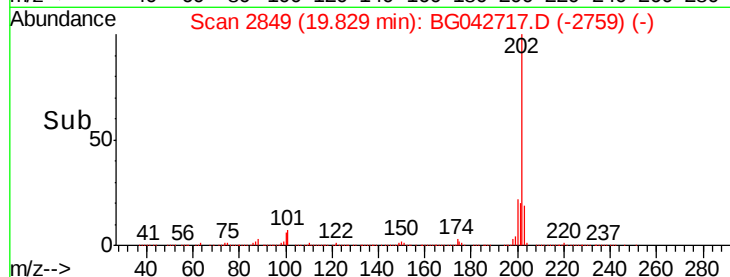
203 19.8 15.5 23.3



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: 78.823 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042717.D

Acq: 4 Sep 2019 21:10

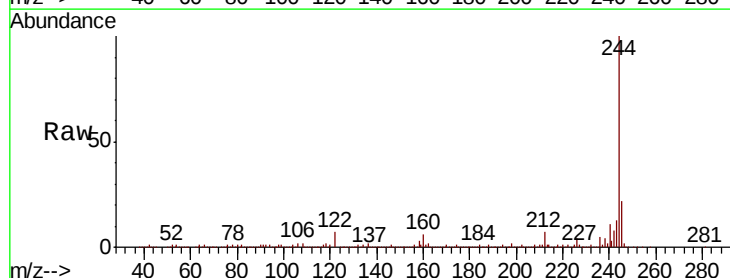
Tgt Ion:244 Resp: 893134

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

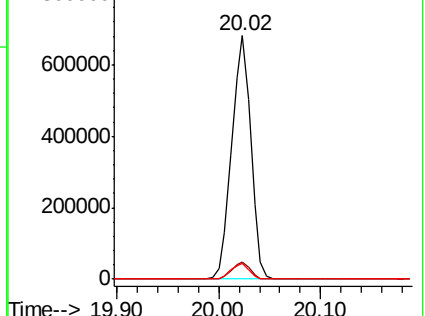
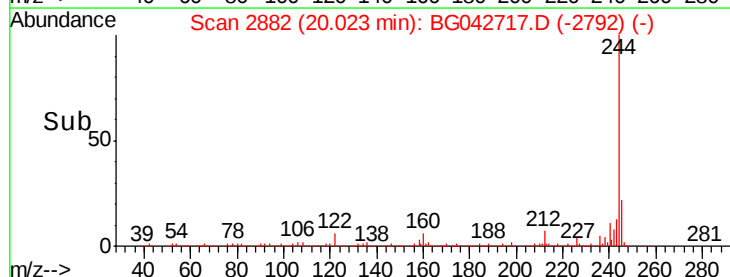
122 6.5 6.7 10.1#

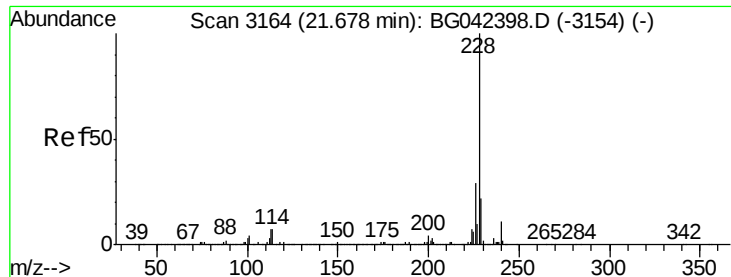


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

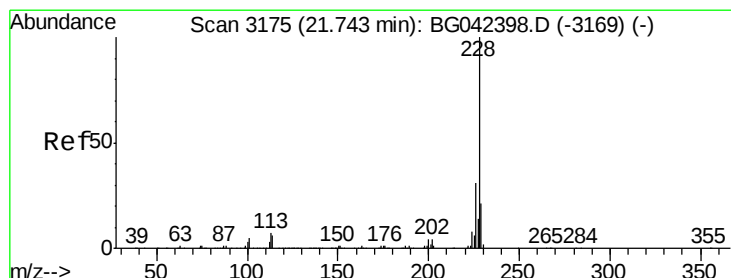
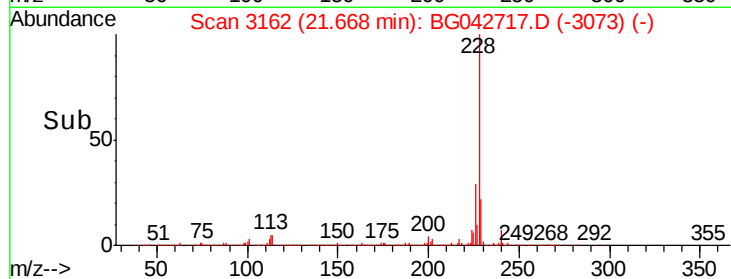
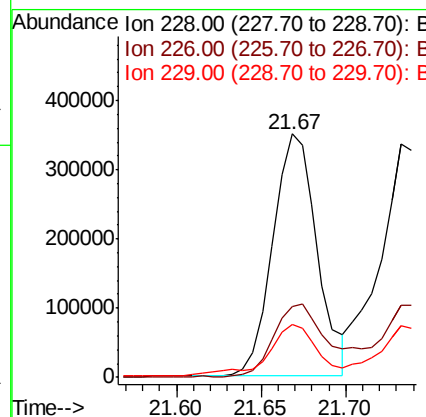
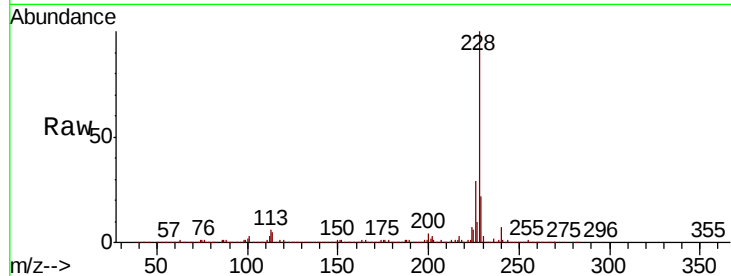




#81
Benzo(a)anthracene
Concen: 42.843 ng
RT: 21.67 min Scan# 3162
Delta R.T. -0.01 min
Lab File: BG042717.D
Acq: 4 Sep 2019 21:10

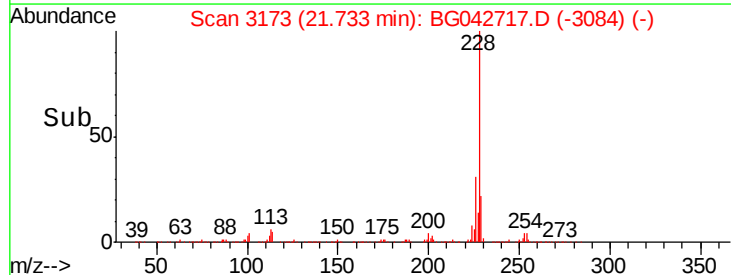
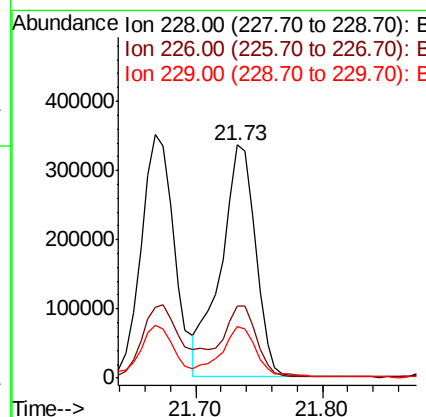
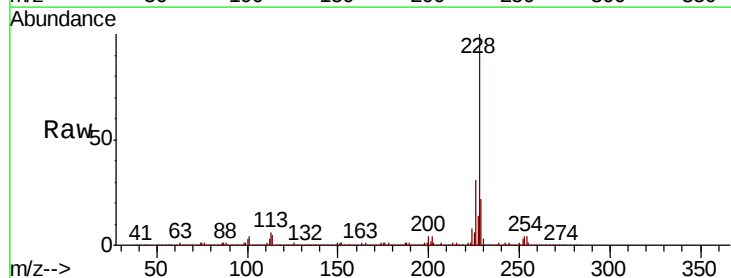
Instrument :
BNA_F
ClientSampleId :

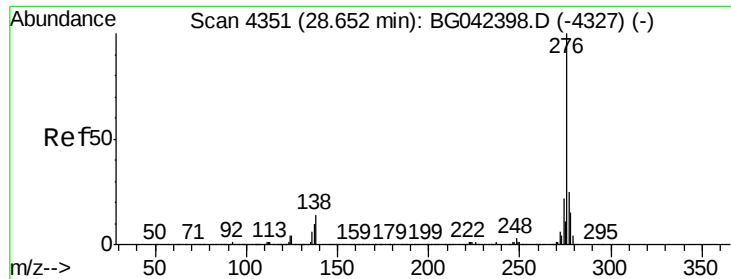
Tot Ion:228 Resp: 638427
Ion Ratio Lower Upper
228 100
226 29.3 23.4 35.2
229 22.0 17.4 26.2



#83
Chrysene
Concen: 44.350 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG042717.D
Acq: 4 Sep 2019 21:10

Tgt Ion:228 Resp: 637374
Ion Ratio Lower Upper
228 100
226 31.1 24.9 37.3
229 22.3 16.9 25.3

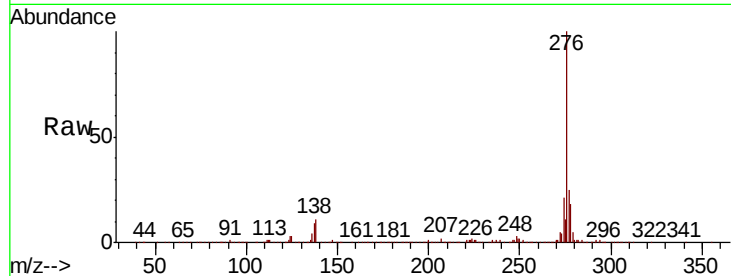




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 26.157 ng
 RT: 28.65 min Scan# 4351
 Delta R.T. 0.00 min
 Lab File: BG042717.D
 Acq: 4 Sep 2019 21:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.3	9.2	13.8
277	25.5	21.0	31.6

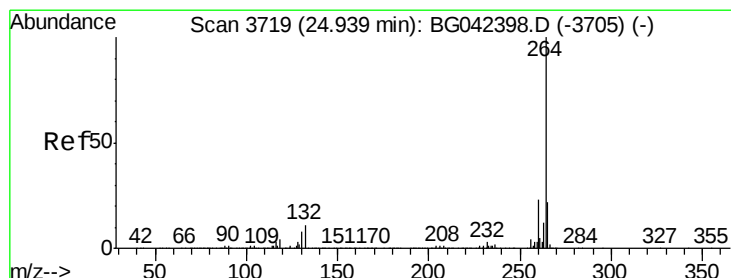
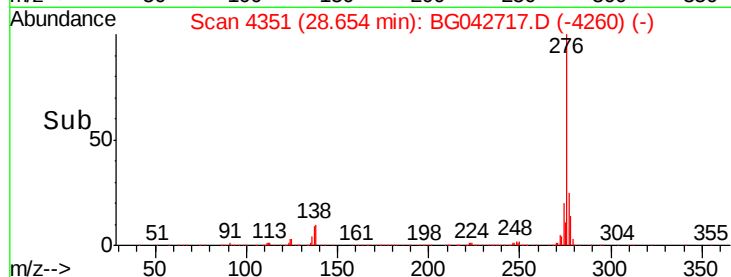
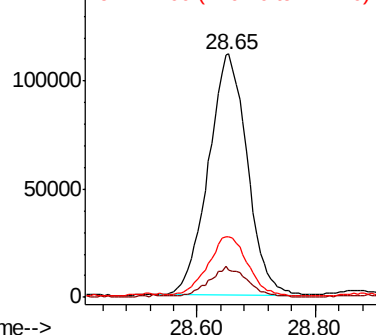


Abundance

Ion 276.00 (275.70 to 276.70): E

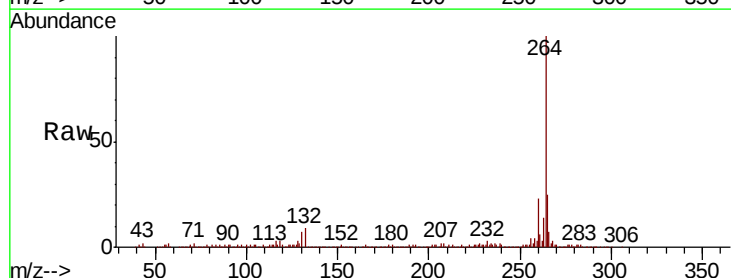
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.94 min Scan# 3718
 Delta R.T. -0.00 min
 Lab File: BG042717.D
 Acq: 4 Sep 2019 21:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	25.2	17.6	26.4

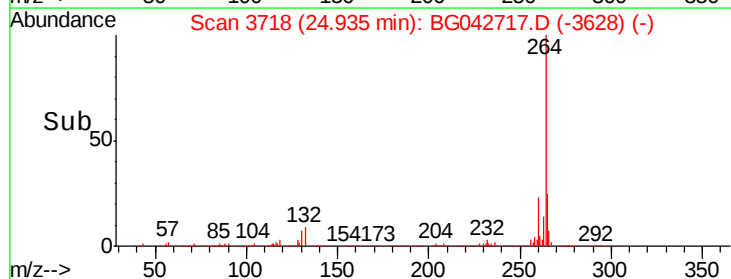
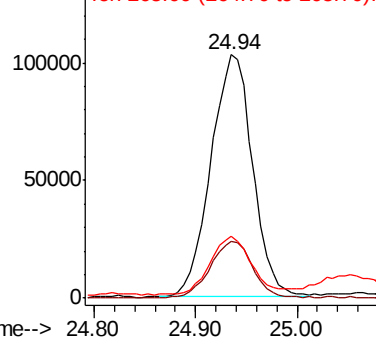


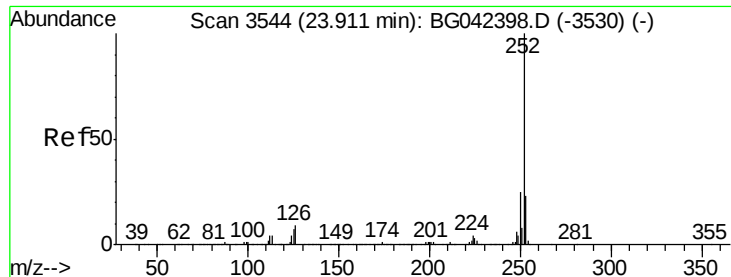
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

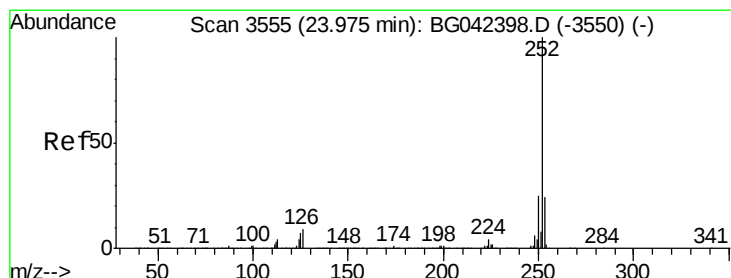
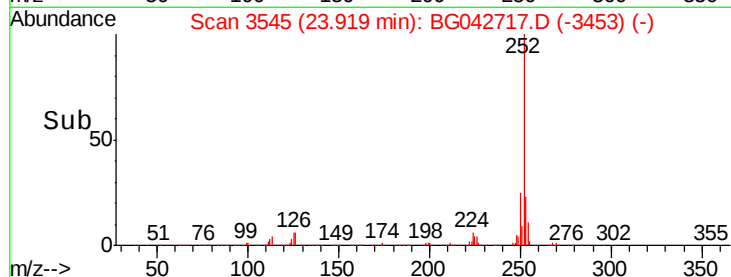
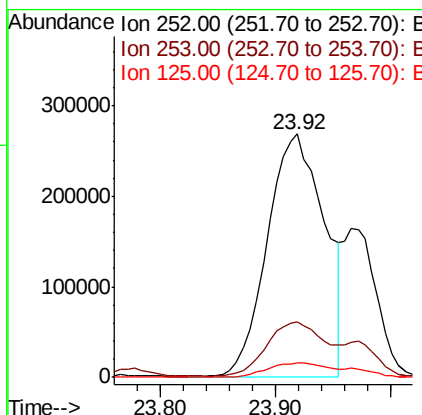
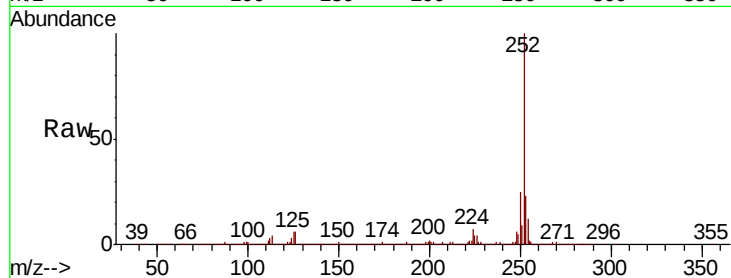




#88
Benzo(b)fluoranthene
Concen: 56.744 ng
RT: 23.92 min Scan# 3545
Delta R.T. 0.01 min
Lab File: BG042717.D
Acq: 4 Sep 2019 21:10

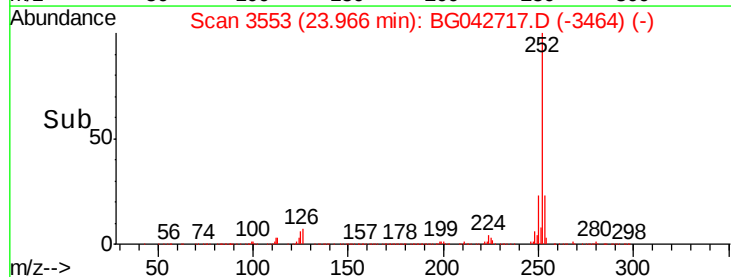
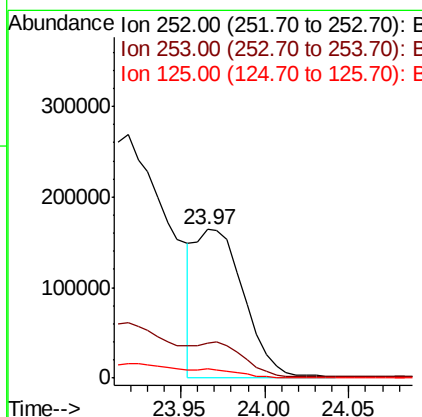
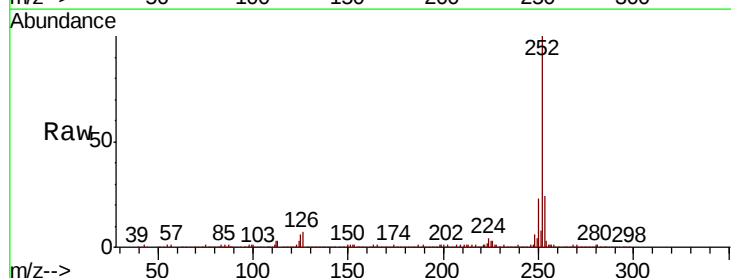
Instrument :
BNA_F
ClientSampleId :

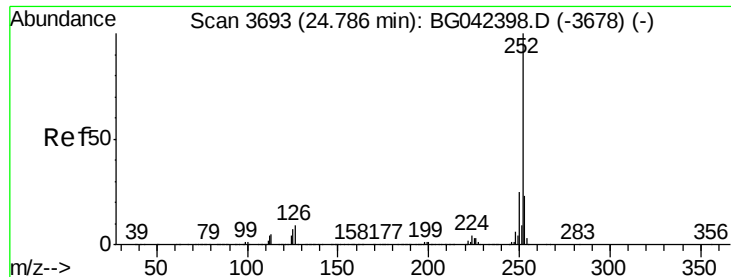
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.6	27.8
125	5.9	5.6	8.4



#89
Benzo(k)fluoranthene
Concen: 21.044 ng m
RT: 23.97 min Scan# 3553
Delta R.T. -0.01 min
Lab File: BG042717.D
Acq: 4 Sep 2019 21:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.6	27.8
125	5.9	5.8	8.6





#90

Benzo(a)pyrene

Concen: 39.565 ng/mL

RT: 24.79 min Scan# 3693

Delta R.T. 0.00 min

Lab File: BG042717.D

Acq: 4 Sep 2019 21:10

Instrument :

BNA_F

ClientSampleId :

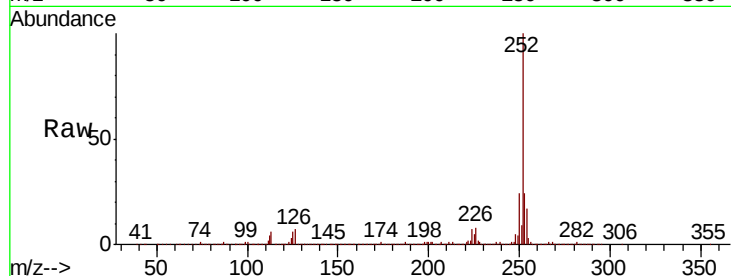
Tot Ion:252 Resp: 610830

Ion Ratio Lower Upper

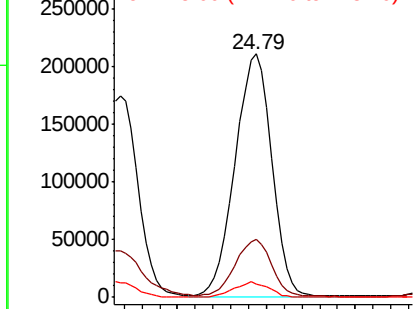
252 100

253 23.7 18.4 27.6

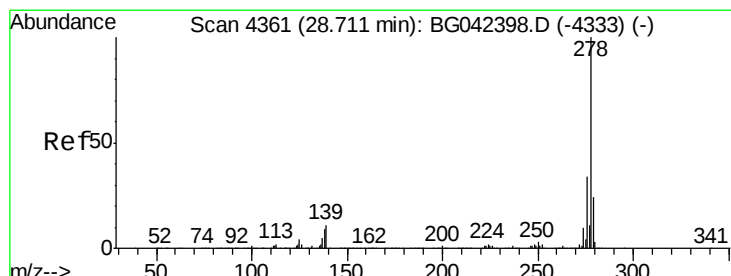
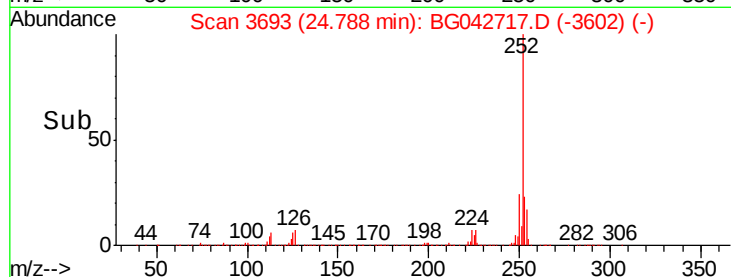
125 5.7 6.0 9.0#



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



Time-->



#91

Dibenzo(a,h)anthracene

Concen: 8.999 ng/mL

RT: 28.68 min Scan# 4356

Delta R.T. -0.03 min

Lab File: BG042717.D

Acq: 4 Sep 2019 21:10

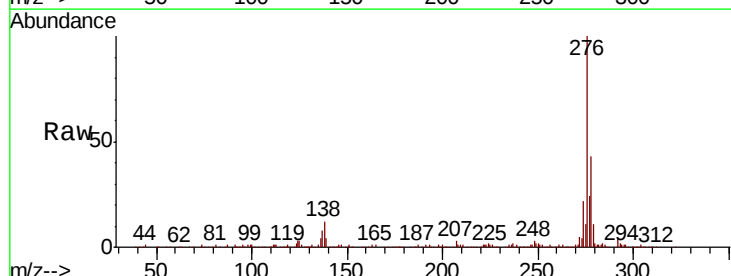
Tgt Ion:278 Resp: 140676

Ion Ratio Lower Upper

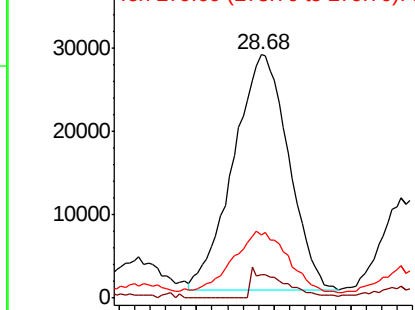
278 100

139 9.5 8.8 13.2

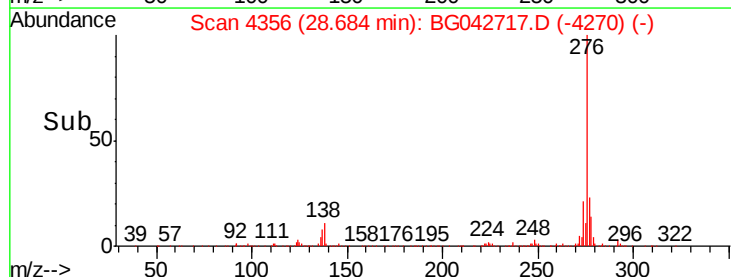
279 26.0 19.1 28.7

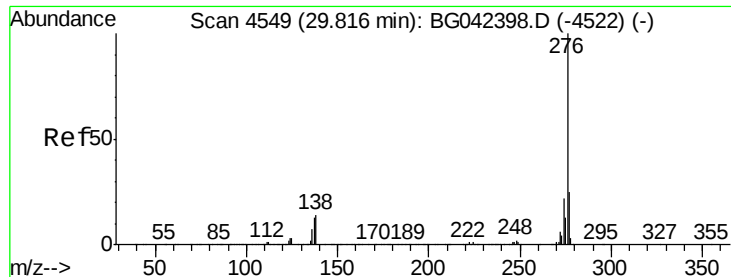


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Time-->





#92
 Benzo(a,h,i)perylene
 Concen: 31.726 ng
 RT: 29.82 min Scan# 4549
 Delta R.T. 0.00 min
 Lab File: BG042717.D
 Acq: 4 Sep 2019 21:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.8	29.8
138	12.2	11.4	17.0

