

Data File : BP001818.D
Acq On : 21 Feb 2020 00:03
Operator : CG/JU
Sample : L1418-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
C5AW4

Quant Time: Feb 21 07:18:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021820MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 21 07:12:24 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	336156	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1388681	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	854834	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	1866931	20.00	ng/ul	0.00
78) Chrysene-d12	21.14	240	1669751	20.00	ng/ul	0.00
86) Perylene-d12	23.36	264	1806424	20.00	ng/ul	0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.18	96	23149	2.86	ng/uL	0.00
5) Phenol-d5	6.84	99	475727	18.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	263595	17.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	425068	20.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	373184	18.52	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	197452	21.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	216021	25.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	432895	21.41	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	374817	15.67	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1272778	21.22	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	1574877	21.32	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	177918	17.03	ng/ul	0.00
58) Fluorene-d10	15.29	176	1157952	21.46	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	57307	7.79	ng/ul	0.00
71) Anthracene-d10	17.15	188	1773051	21.56	ng/ul	0.00
79) Pyrene-d10	19.39	212	1924656	22.46	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.22	264	1978559	22.68	ng/ul	0.01

Target Compounds				Qvalue		
14) Acetophenone	8.47	105	58761	1.888	ng/ul	97
28) Naphthalene	10.48	128	243346	3.279	ng/ul	99
34) 2-Methylnaphthalene	12.10	142	72655	1.420	ng/ul	98
45) Dimethylphthalate	13.76	163	246559	3.905	ng/ul	99
48) Acenaphthylene	14.01	152	1616497	20.172	ng/ul	100
50) Acenaphthene	14.36	153	212121	3.874	ng/ul	98
54) Dibenzofuran	14.69	168	155181	2.012	ng/ul	100
59) Fluorene	15.35	166	246027	4.010	ng/ul	99
69) Pentachlorophenol	16.70	266	44016	3.845	ng/ul	98
70) Phenanthrene	17.09	178	3364209	32.675	ng/ul	100
72) Anthracene	17.18	178	1287928	12.664	ng/ul	100
75) Carbazole	17.45	167	303861	3.583	ng/ul	100
77) Fluoranthene	19.07	202	8804413	79.857	ng/ul	99
80) Pyrene	19.42	202	9568023	84.243	ng/ul	98
83) Benzo(a)anthracene	21.17	228	4810934	43.752	ng/ul	93
85) Chrysene	21.17	228	4810934	44.786	ng/ul	96
88) Benzo(b)fluoranthene	22.70	252	7095912	66.758	ng/ul	97
89) Benzo(k)fluoranthene	22.70	252	7095912	64.404	ng/ul	98
91) Benzo(a)pyrene	23.27	252	5635517	56.573	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.60	276	4515726	36.290	ng/ul	96
93) Dibenzo(a,h)anthracene	25.61	278	949364	9.084	ng/ul#	82
94) Benzo(g,h,i)perylene	26.29	276	4582029	43.316	ng/ul	98

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP022020\
Quantitation Report (Not Reviewed)

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 21 07:12:24 2020
Response via : Initial Calibration

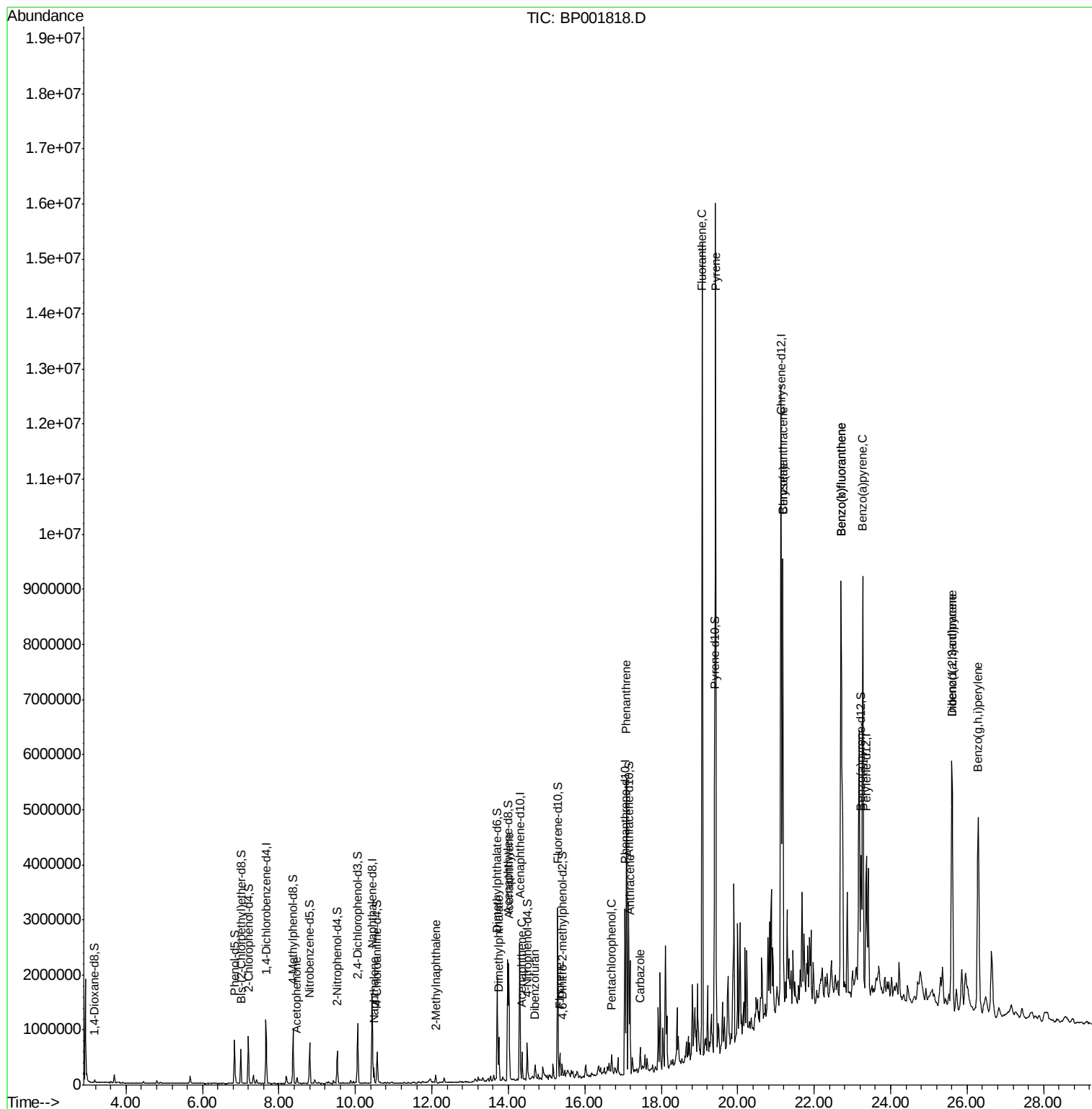
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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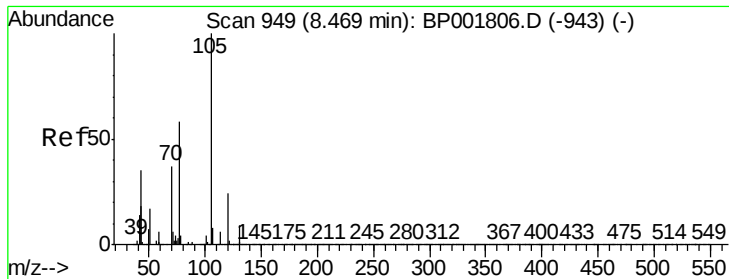
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 21 07:12:24 2020
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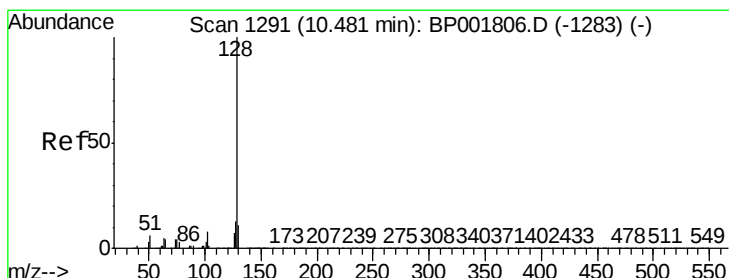
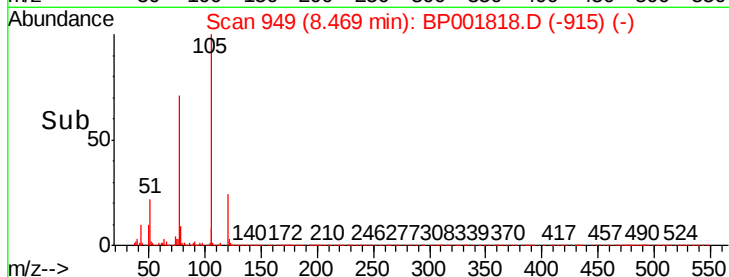
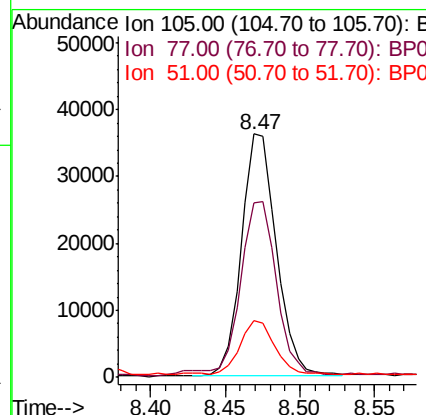
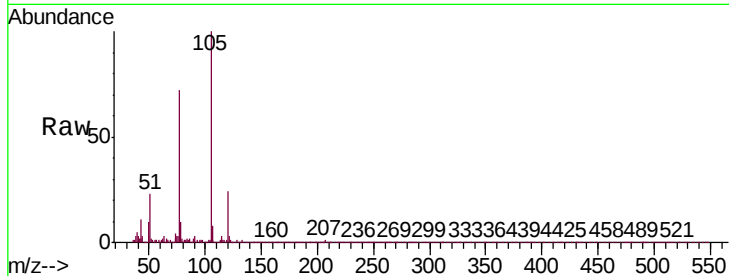




#14
Acetophenone
Concen: 1.888 ng/ul
RT: 8.47 min Scan# 949
Delta R.T. 0.00 min
Lab File: BP001818.D
Acq: 21 Feb 2020 00:03

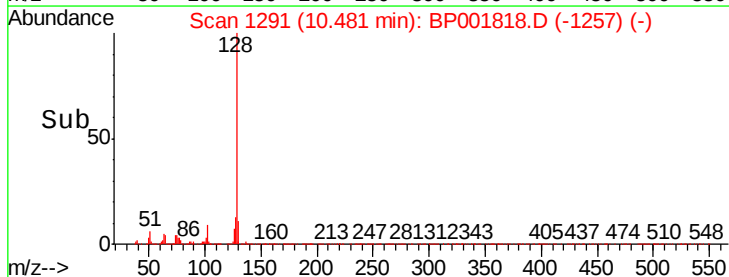
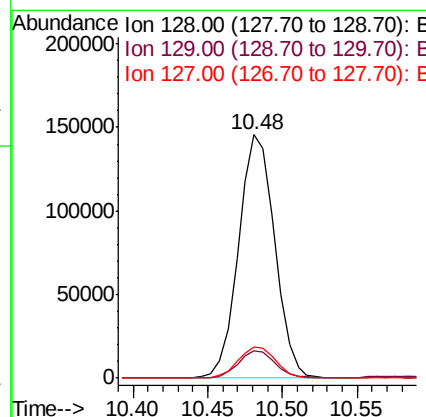
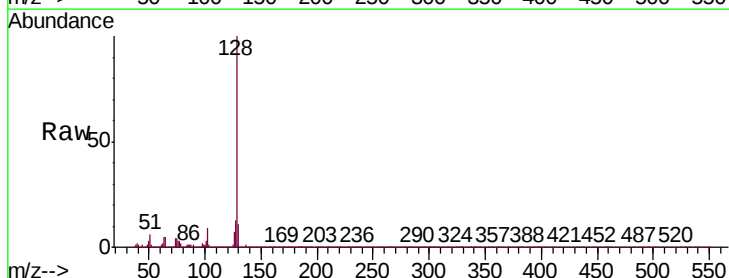
Instrument :
BNA_P
ClientSampleId :
C5AW4

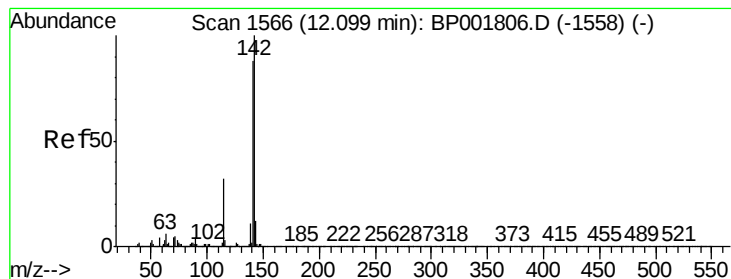
Tgt Ion	Ratio	Lower	Upper
105	100		
77	71.6	59.8	89.6
51	23.2	17.9	26.9



#28
Naphthalene
Concen: 3.279 ng/ul
RT: 10.48 min Scan# 1291
Delta R.T. 0.00 min
Lab File: BP001818.D
Acq: 21 Feb 2020 00:03

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.7	13.1
127	13.0	10.2	15.4





#34

2-Methylnaphthalene

Concen: 1.420 ng/ul

RT: 12.10 min Scan# 1566

Delta R.T. 0.00 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

Instrument :

BNA_P

ClientSampled :

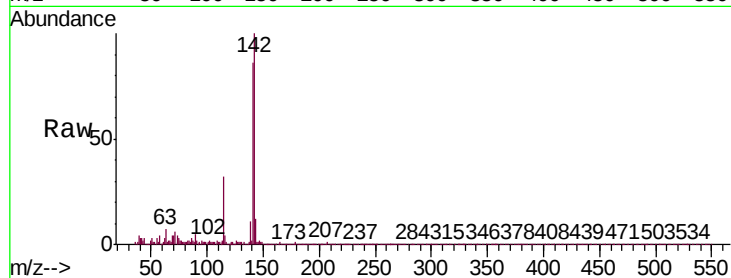
C5AW4

Tgt Ion:142 Resp: 72655

Ion Ratio Lower Upper

142 100

141 85.5 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.10

50000

40000

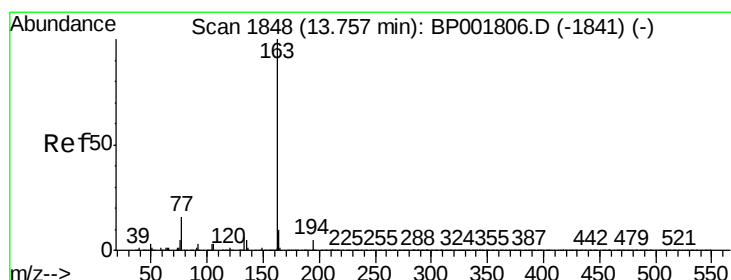
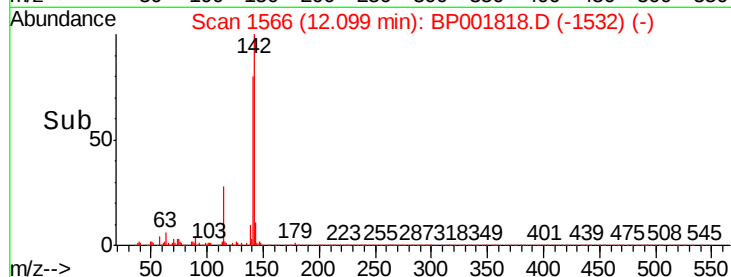
30000

20000

10000

0

Time--> 12.05 12.10 12.15



#45

Dimethylphthalate

Concen: 3.905 ng/ul

RT: 13.76 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

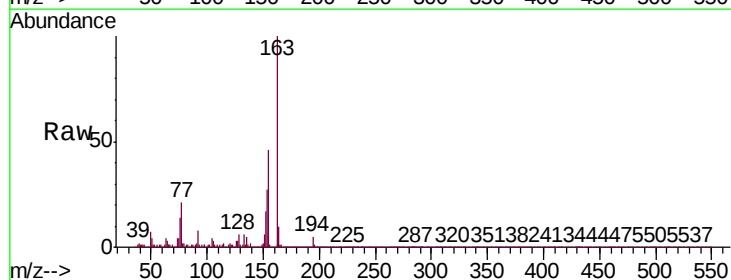
Tgt Ion:163 Resp: 246559

Ion Ratio Lower Upper

163 100

194 5.1 3.5 5.3

164 10.2 8.0 12.0



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

13.76

200000

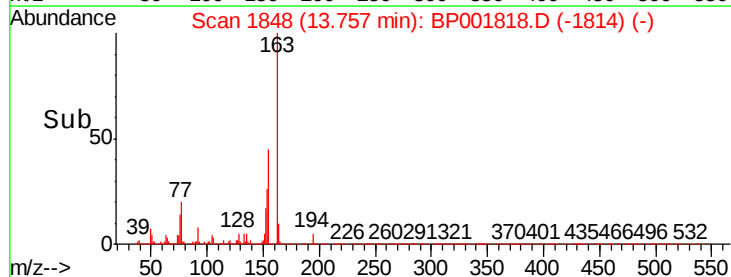
150000

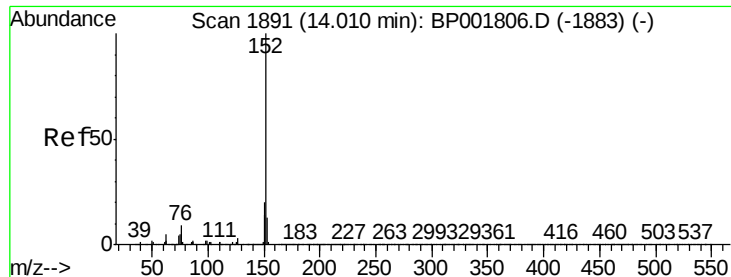
100000

50000

0

Time--> 13.70 13.75 13.80





#48

Acenaphthylene

Concen: 20.172 ng/ul

RT: 14.01 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

Instrument :

BNA_P

ClientSampleId :

C5AW4

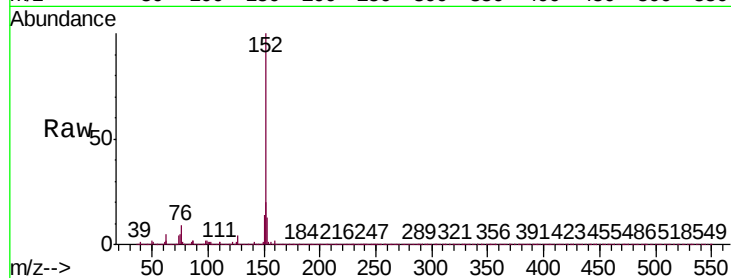
Tgt Ion:152 Resp: 1616497

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.5	10.7	16.1

152 100

151 19.8 15.7 23.5

153 13.5 10.7 16.1

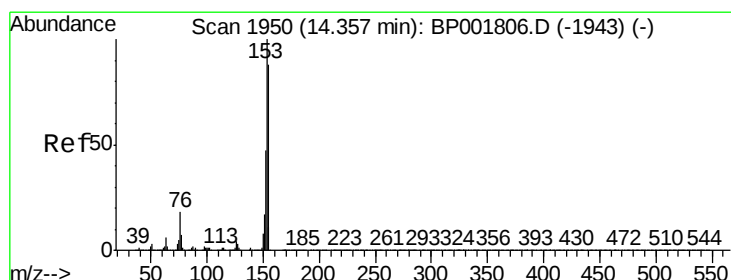
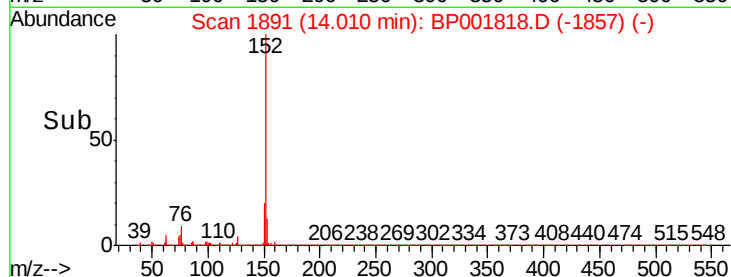
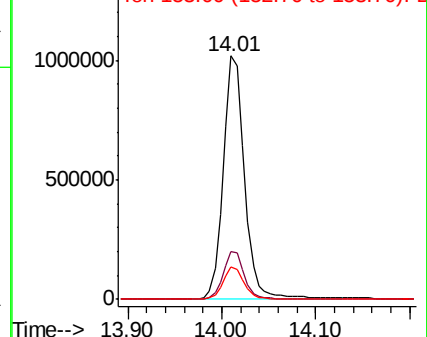


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 3.874 ng/ul

RT: 14.36 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

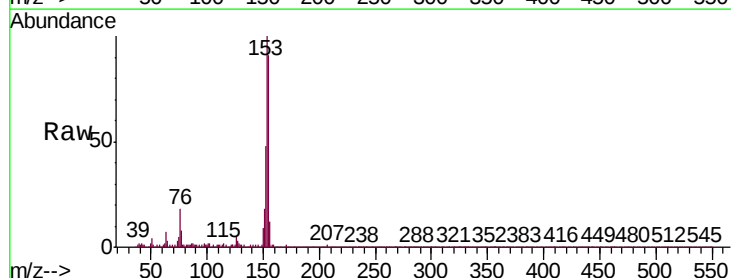
Tgt Ion:153 Resp: 212121

Ion	Ratio	Lower	Upper
153	100		
152	48.2	37.8	56.8
154	91.4	71.9	107.9

153 100

152 48.2 37.8 56.8

154 91.4 71.9 107.9

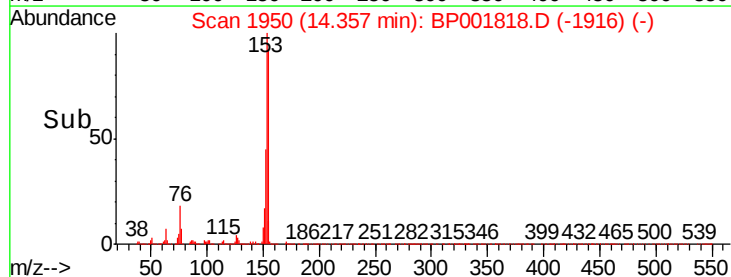
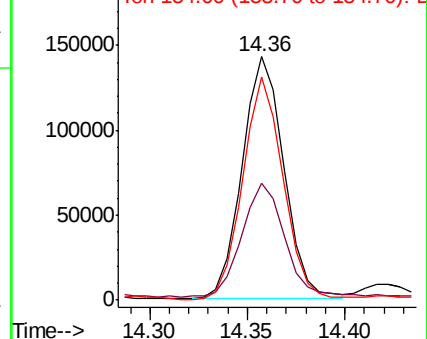


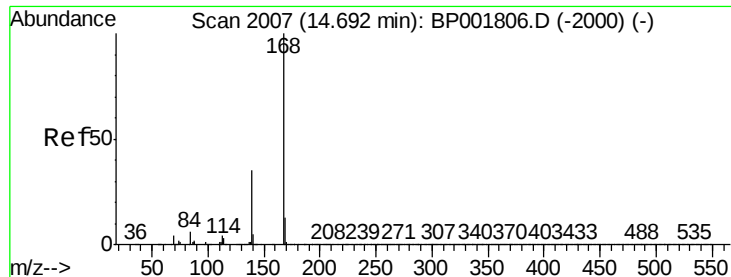
Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 2.012 ng/ul

RT: 14.69 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

Instrument :

BNA_P

ClientSampleId :

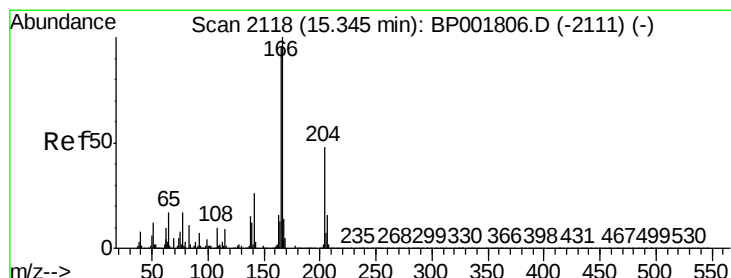
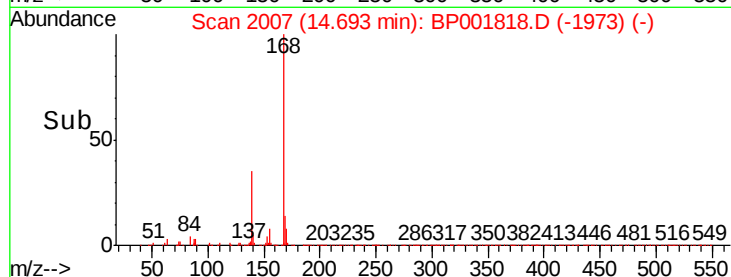
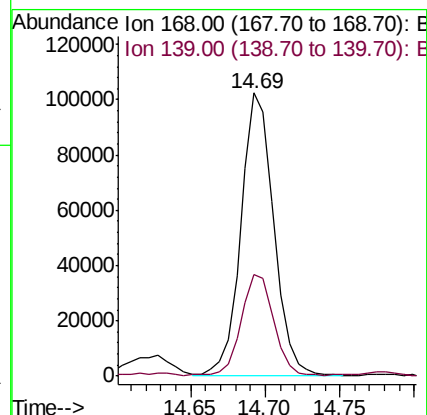
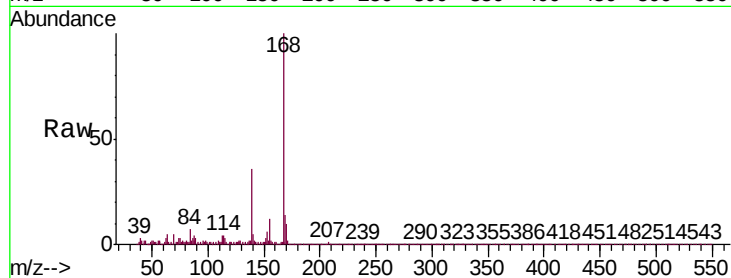
C5AW4

Tgt Ion:168 Resp: 155181

Ion Ratio Lower Upper

168 100

139 36.1 28.6 43.0



#59

Fluorene

Concen: 4.010 ng/ul

RT: 15.35 min Scan# 2118

Delta R.T. 0.00 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

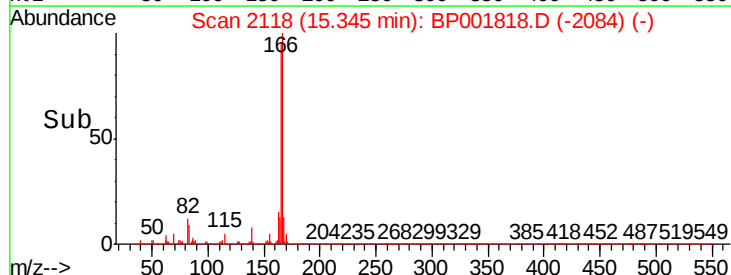
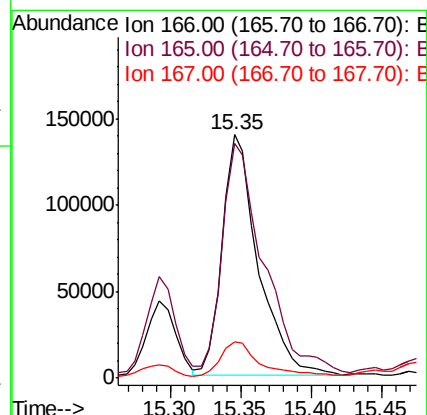
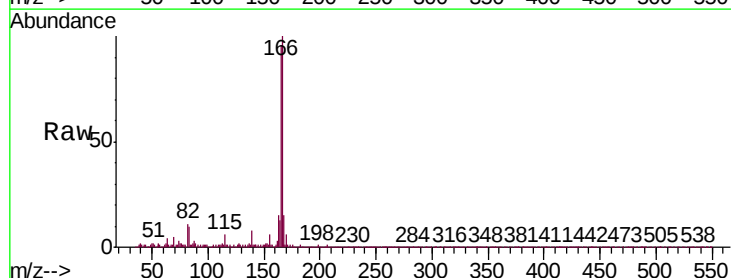
Tgt Ion:166 Resp: 246027

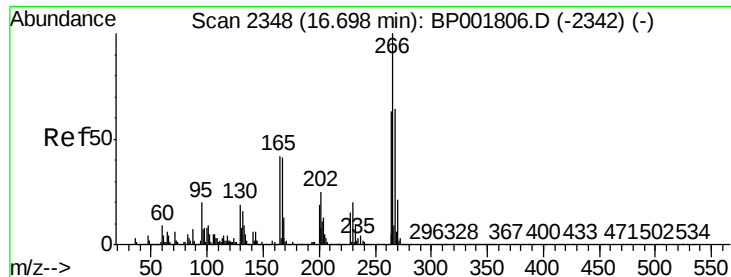
Ion Ratio Lower Upper

166 100

165 96.3 77.3 115.9

167 14.9 11.0 16.6

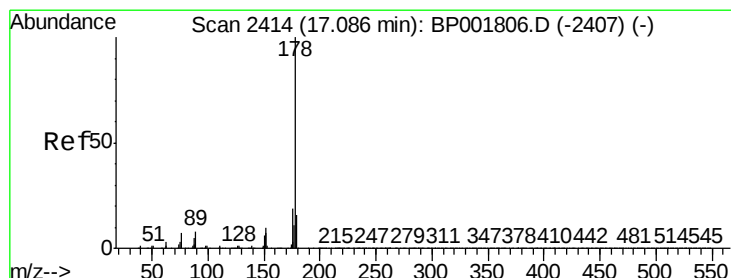
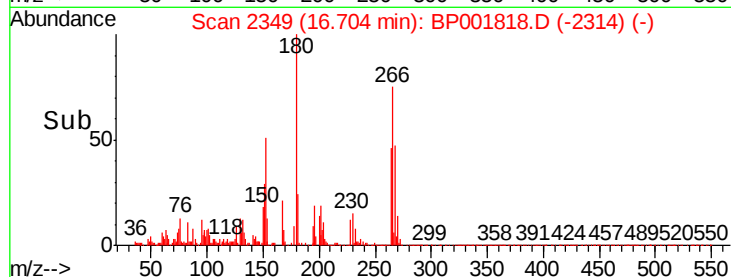
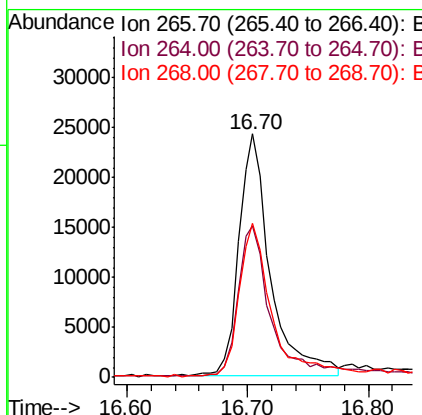
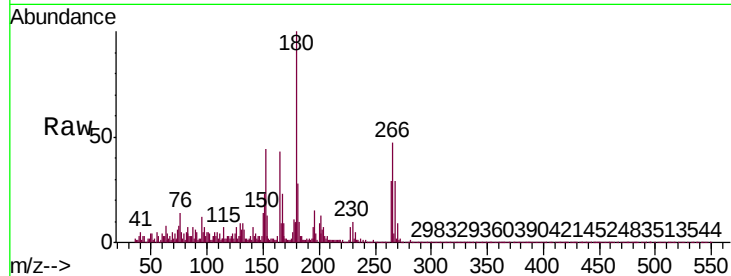




#69
 Pentachlorophenol
 Concen: 3.845 ng/ul
 RT: 16.70 min Scan# 2349
 Delta R.T. 0.01 min
 Lab File: BP001818.D
 Acq: 21 Feb 2020 00:03

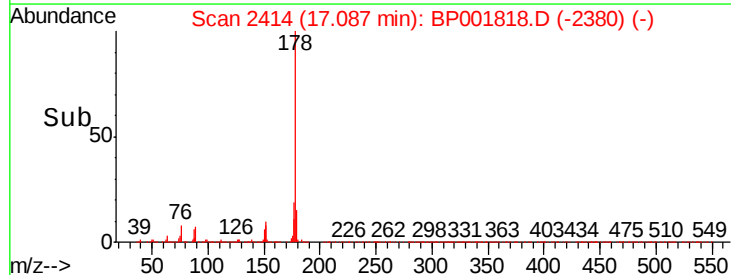
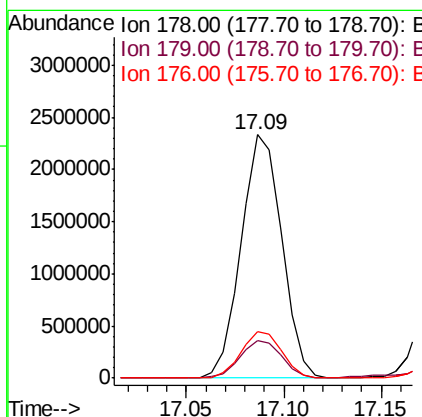
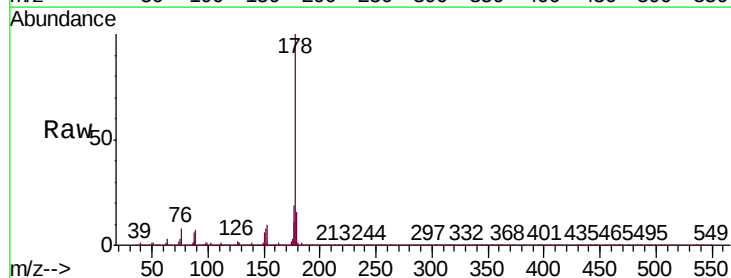
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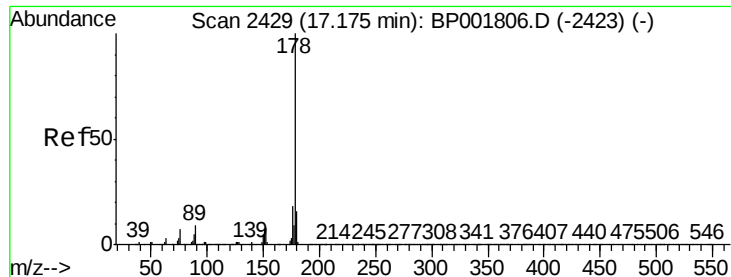
Tgt Ion:266 Resp: 44016
 Ion Ratio Lower Upper
 266 100
 264 62.0 51.1 76.7
 268 63.0 51.5 77.3



#70
 Phenanthrene
 Concen: 32.675 ng/ul
 RT: 17.09 min Scan# 2414
 Delta R.T. 0.00 min
 Lab File: BP001818.D
 Acq: 21 Feb 2020 00:03

Tgt Ion:178 Resp: 3364209
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.3 18.5
 176 19.3 15.3 22.9





#72

Anthracene

Concen: 12.664 ng/ul

RT: 17.18 min Scan# 2430

Delta R.T. 0.01 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

Instrument :

BNA_P

ClientSampleId :

C5AW4

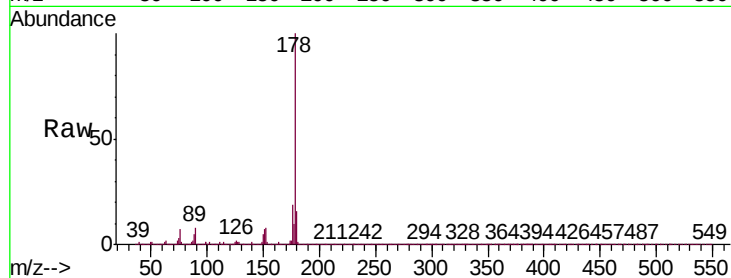
Tgt Ion:178 Resp: 1287928

Ion Ratio Lower Upper

178 100

179 15.7 12.4 18.6

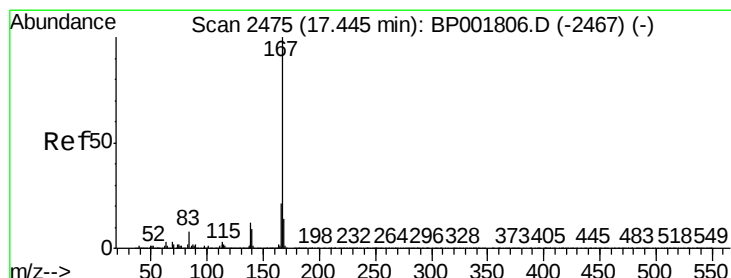
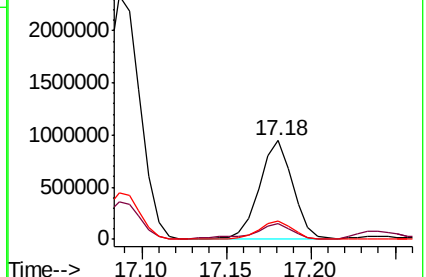
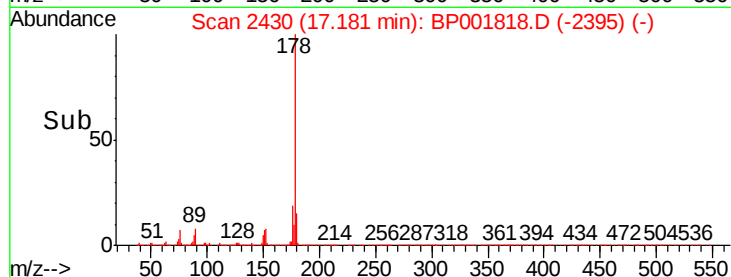
176 18.6 14.8 22.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 3.583 ng/ul

RT: 17.45 min Scan# 2475

Delta R.T. 0.00 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

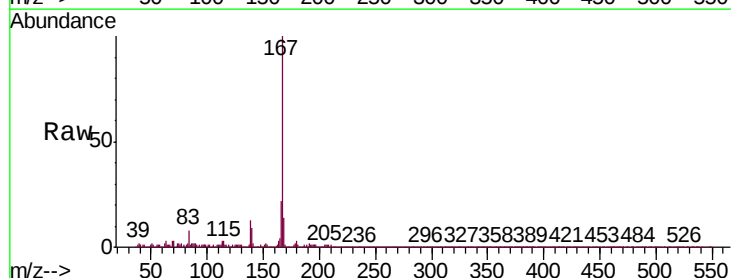
Tgt Ion:167 Resp: 303861

Ion Ratio Lower Upper

167 100

166 21.6 17.1 25.7

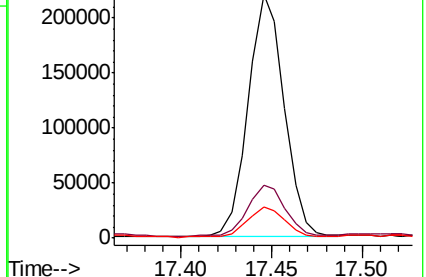
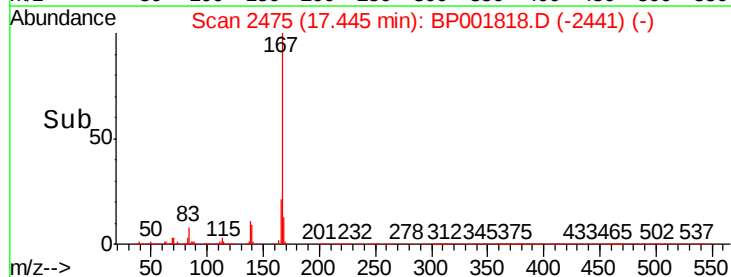
139 12.6 10.2 15.2

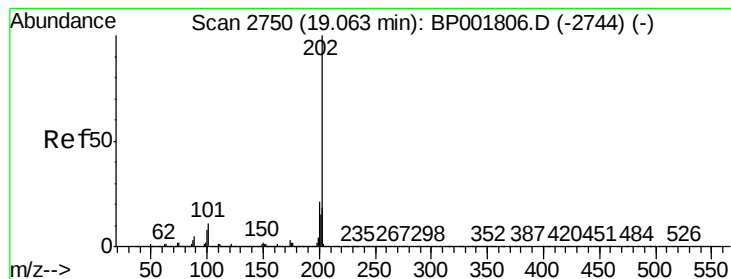


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 79.857 ng/ul

RT: 19.07 min Scan# 2751

Delta R.T. 0.01 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

Instrument :

BNA_P

ClientSampleId :

C5AW4

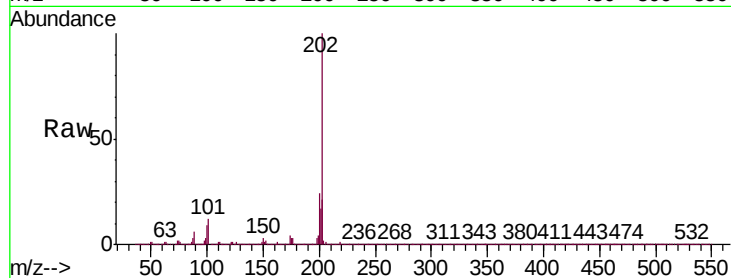
Tgt Ion:202 Resp: 8804413

Ion Ratio Lower Upper

202 100

101 11.6 9.1 13.7

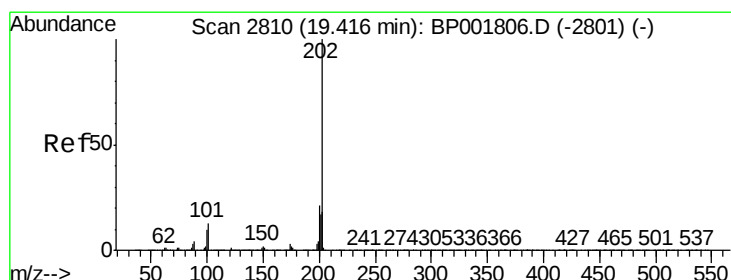
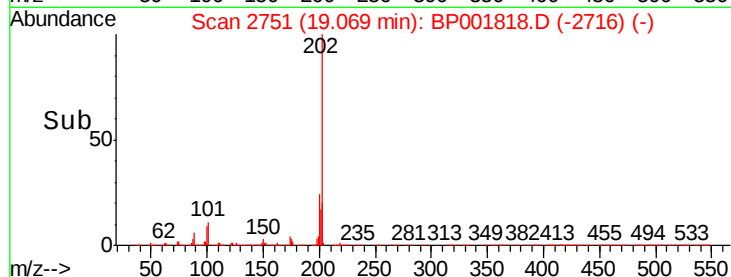
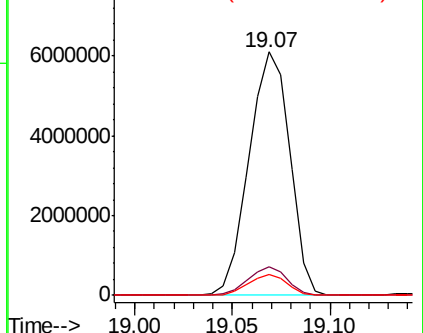
100 8.8 6.6 9.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BF



#80

Pyrene

Concen: 84.243 ng/ul

RT: 19.42 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

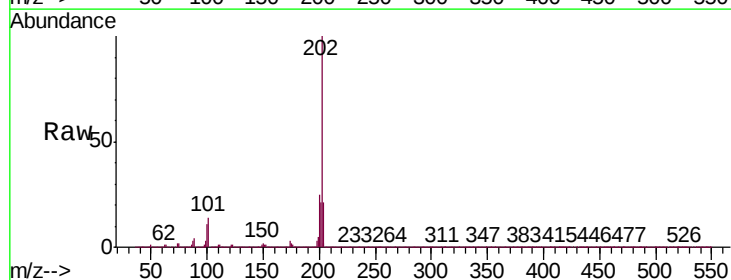
Tgt Ion:202 Resp: 9568023

Ion Ratio Lower Upper

202 100

101 13.6 10.2 15.2

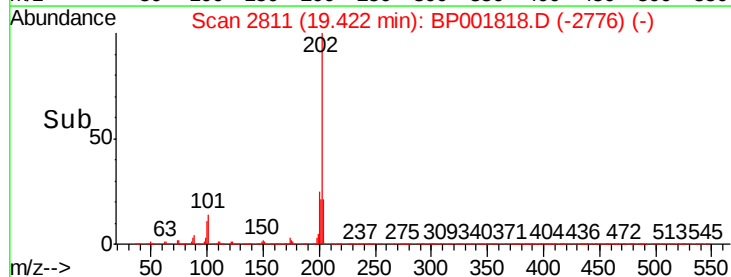
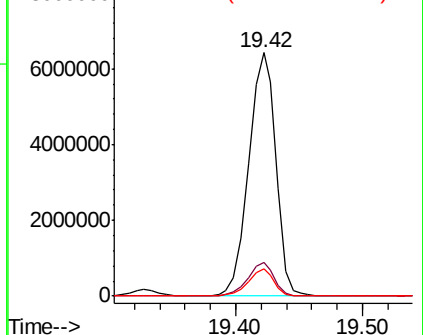
100 11.0 8.2 12.2

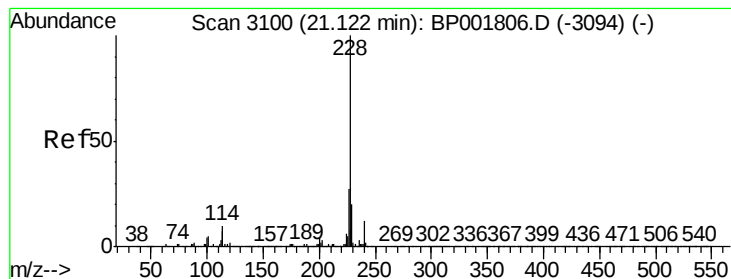


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BF





#83

Benzo(a)anthracene

Concen: 43.752 ng/ul

RT: 21.17 min Scan# 3109

Delta R.T. 0.05 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

Instrument :

BNA_P

ClientSampleId :

C5AW4

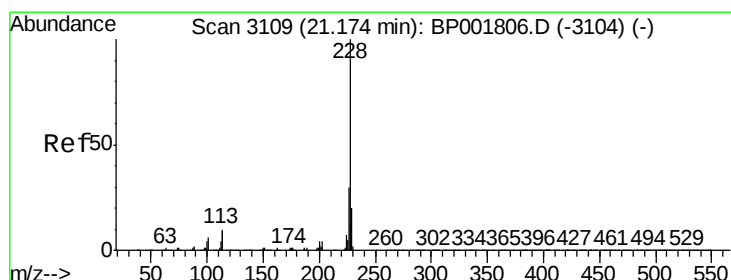
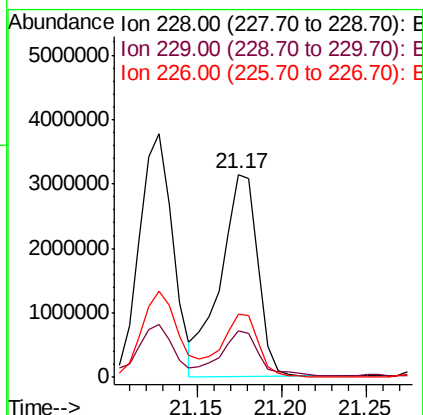
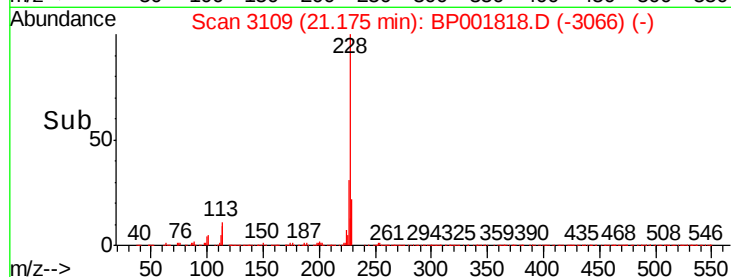
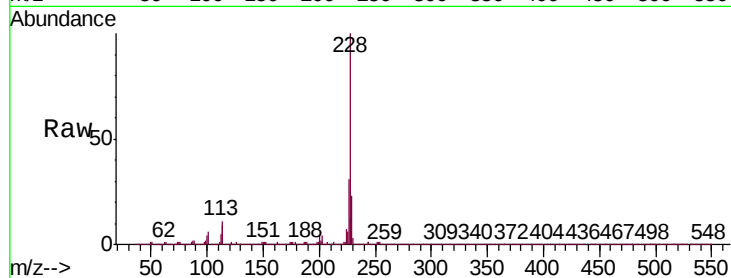
Tgt Ion:228 Resp: 4810934

Ion Ratio Lower Upper

228 100

229 22.8 16.2 24.4

226 31.3 22.0 33.0



#85

Chrysene

Concen: 44.786 ng/ul

RT: 21.17 min Scan# 3109

Delta R.T. 0.00 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

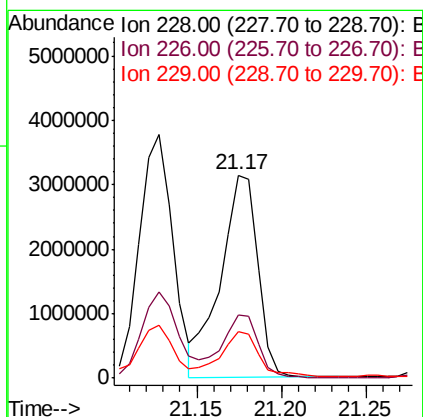
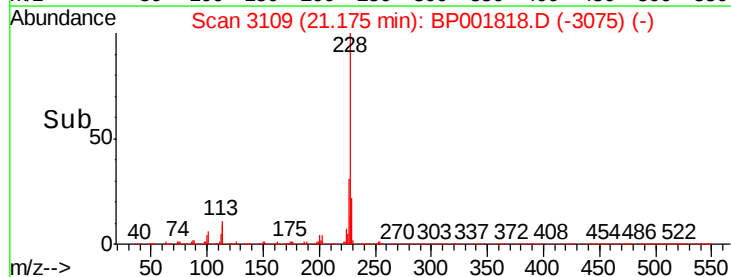
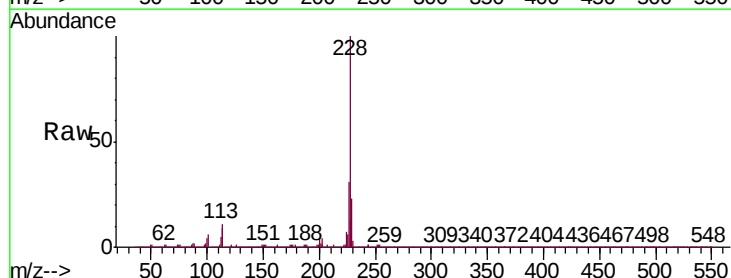
Tgt Ion:228 Resp: 4810934

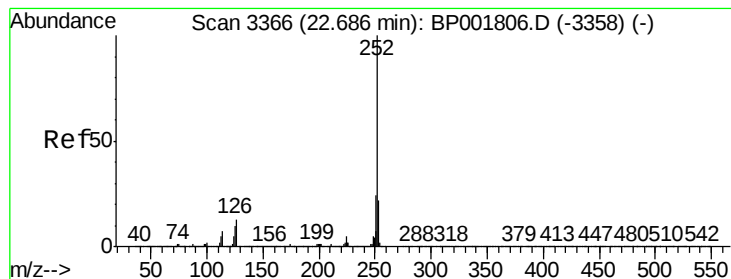
Ion Ratio Lower Upper

228 100

226 31.3 24.2 36.2

229 22.8 15.7 23.5





#88

Benzo(b)fluoranthene

Concen: 66.758 ng/ul

RT: 22.70 min Scan# 3368

Delta R.T. 0.01 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

Instrument :

BNA_P

ClientSampleId :

C5AW4

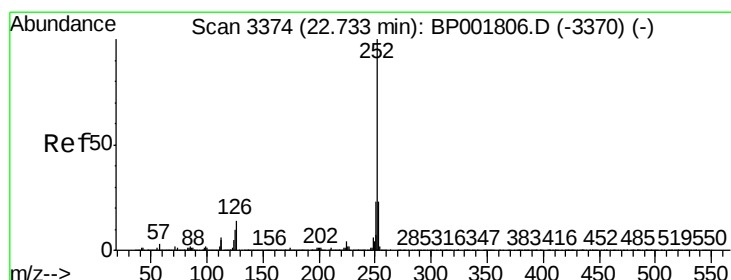
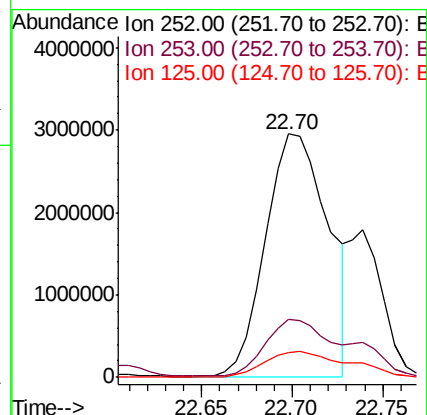
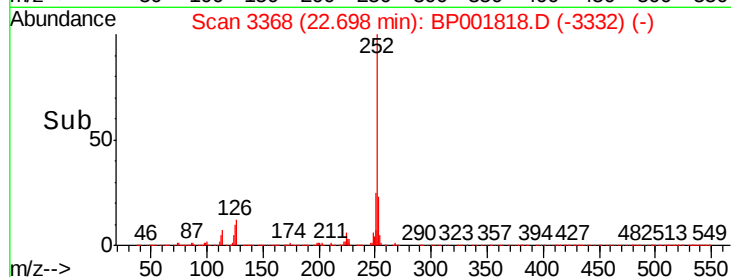
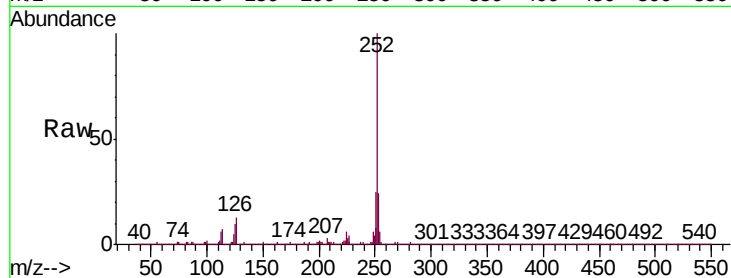
Tgt Ion:252 Resp: 7095912

Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

125 10.2 7.8 11.6



#89

Benzo(k)fluoranthene

Concen: 64.404 ng/ul

RT: 22.70 min Scan# 3368

Delta R.T. -0.04 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

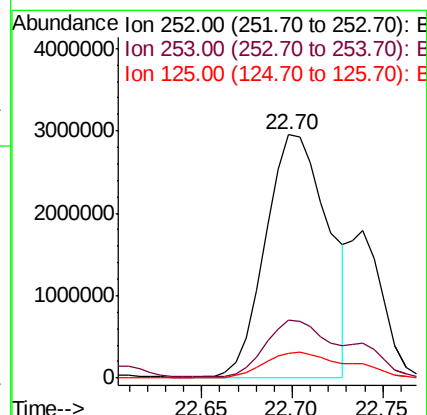
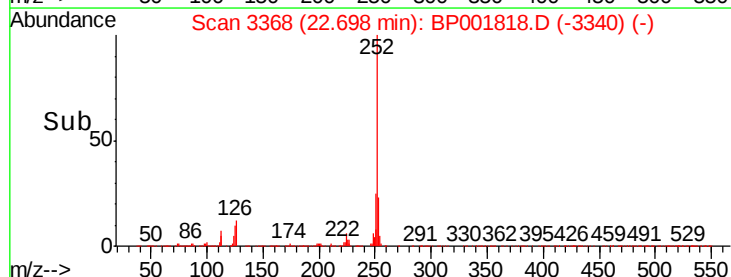
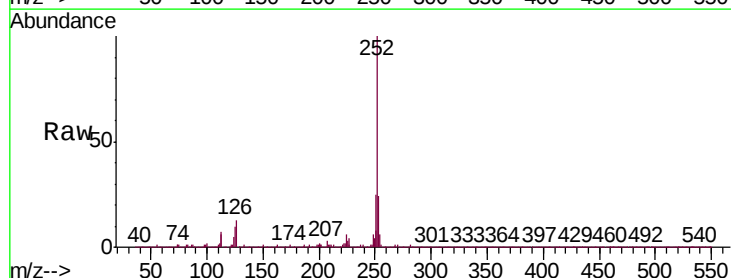
Tgt Ion:252 Resp: 7095912

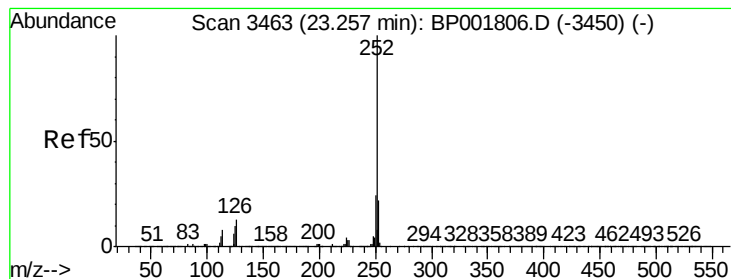
Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

125 10.2 8.0 12.0





#91

Benzo(a)pyrene

Concen: 56.573 ng/u1

RT: 23.27 min Scan# 3465

Delta R.T. 0.01 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

Instrument :

BNA_P

ClientSampleId :

C5AW4

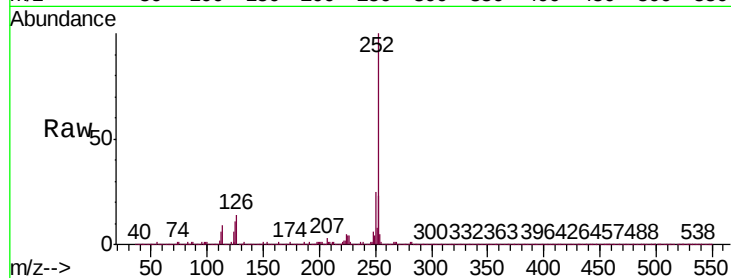
Tgt Ion:252 Resp: 5635517

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

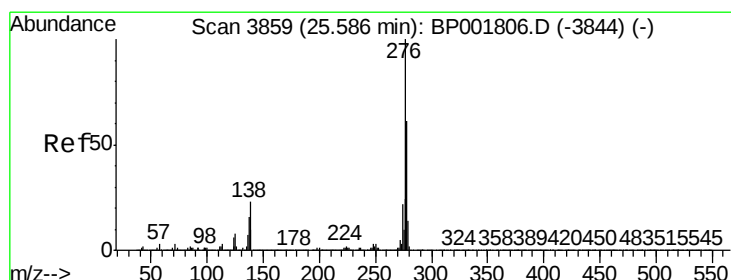
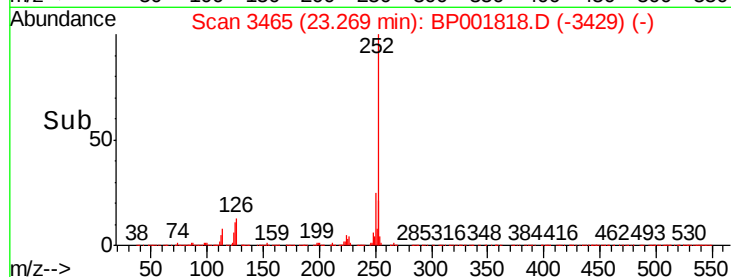
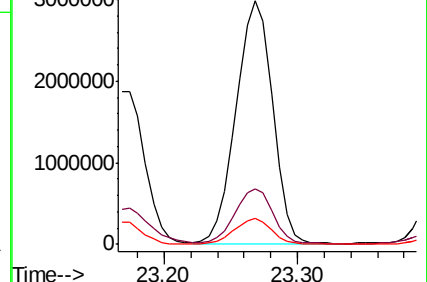
125 10.8 8.3 12.5



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 36.290 ng/u1

RT: 25.60 min Scan# 3862

Delta R.T. 0.02 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

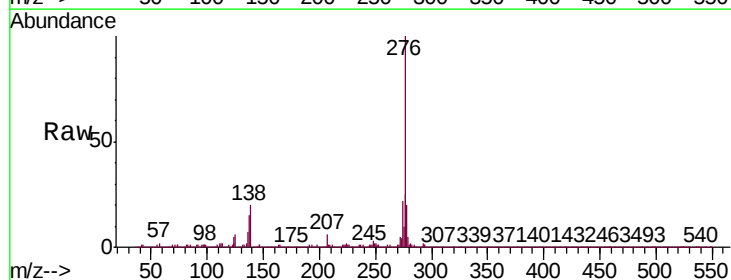
Tgt Ion:276 Resp: 4515726

Ion Ratio Lower Upper

276 100

138 20.3 19.3 28.9

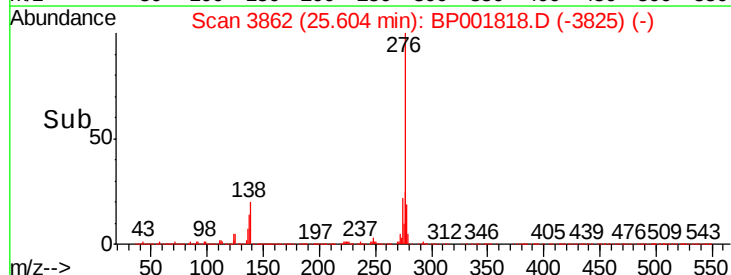
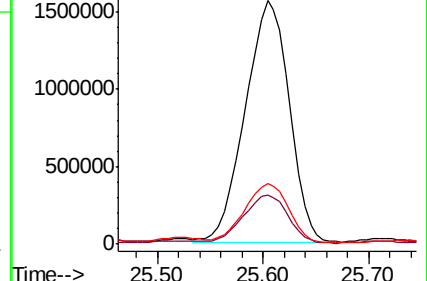
277 25.0 20.0 30.0

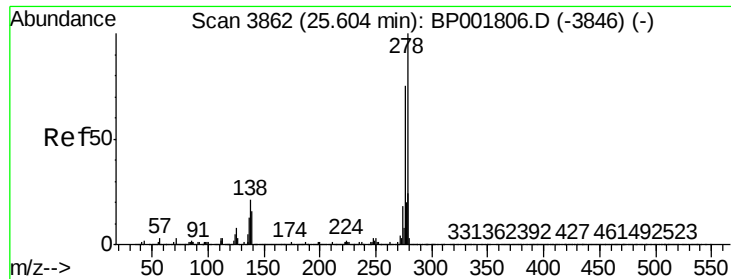


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 9.084 ng/ul

RT: 25.61 min Scan# 3863

Delta R.T. 0.01 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

Instrument :

BNA_P

ClientSampleId :

C5AW4

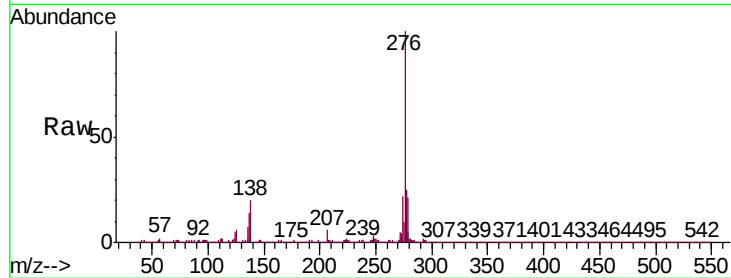
Tgt Ion:278 Resp: 949364

Ion Ratio Lower Upper

278 100

139 0.0 13.3 19.9#

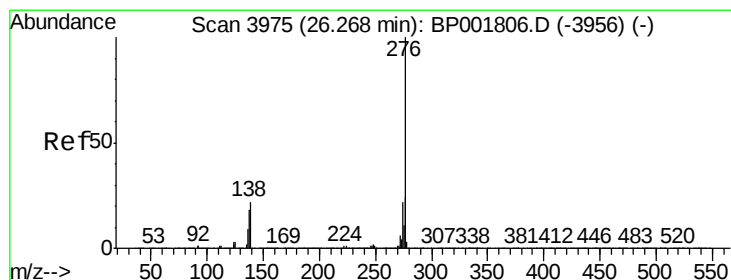
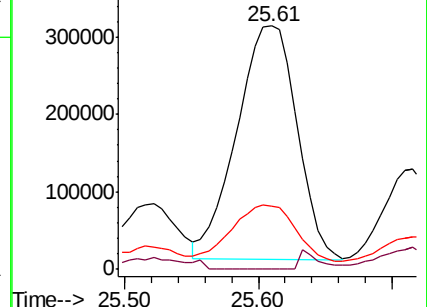
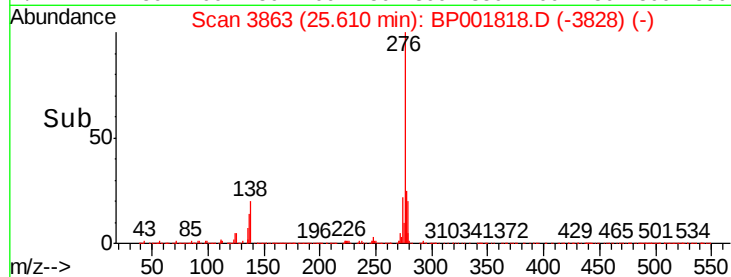
279 26.0 19.3 28.9



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



#94

Benzo(g,h,i)perylene

Concen: 43.316 ng/ul

RT: 26.29 min Scan# 3979

Delta R.T. 0.02 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

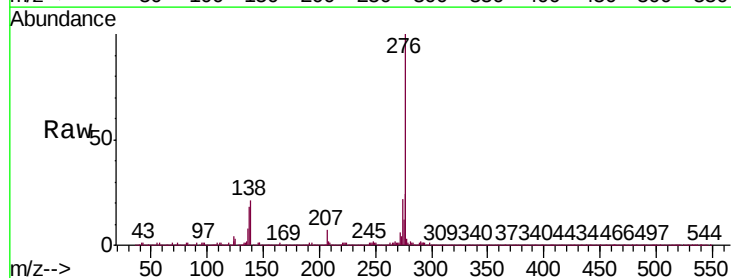
Tgt Ion:276 Resp: 4582029

Ion Ratio Lower Upper

276 100

138 21.1 17.7 26.5

277 24.3 18.8 28.2



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

