

Data File : BP001867.D
Acq On : 24 Feb 2020 18:52
Operator : CG/JU
Sample : L1536-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
CB6X1

Quant Time: Feb 25 05:57:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021820MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 25 05:55:24 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	326910	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1408018	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	915109	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	2040280	20.00	ng/ul	0.00
78) Chrysene-d12	21.13	240	1808927	20.00	ng/ul	0.00
86) Perylene-d12	23.34	264	1728783	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	46050	5.85	ng/uL	0.00
5) Phenol-d5	6.83	99	922223	37.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	515831	35.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	812360	40.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	696899	35.57	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	413135	43.34	ng/ul	0.00
22) 2-Nitrophenol-d4	9.51	143	465711	54.03	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	852484	41.59	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	1001892	41.32	ng/ul	0.00
44) Dimethylphthalate-d6	13.70	166	2686791	41.84	ng/ul	0.00
47) Acenaphthylene-d8	13.97	160	3274936	41.42	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	453829	40.59	ng/ul	0.00
58) Fluorene-d10	15.29	176	2406205	41.66	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	366649	45.58	ng/ul	0.00
71) Anthracene-d10	17.14	188	3398745	37.81	ng/ul	0.00
79) Pyrene-d10	19.39	212	4082690	43.98	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.21	264	3685345	44.14	ng/ul	0.00

Target Compounds

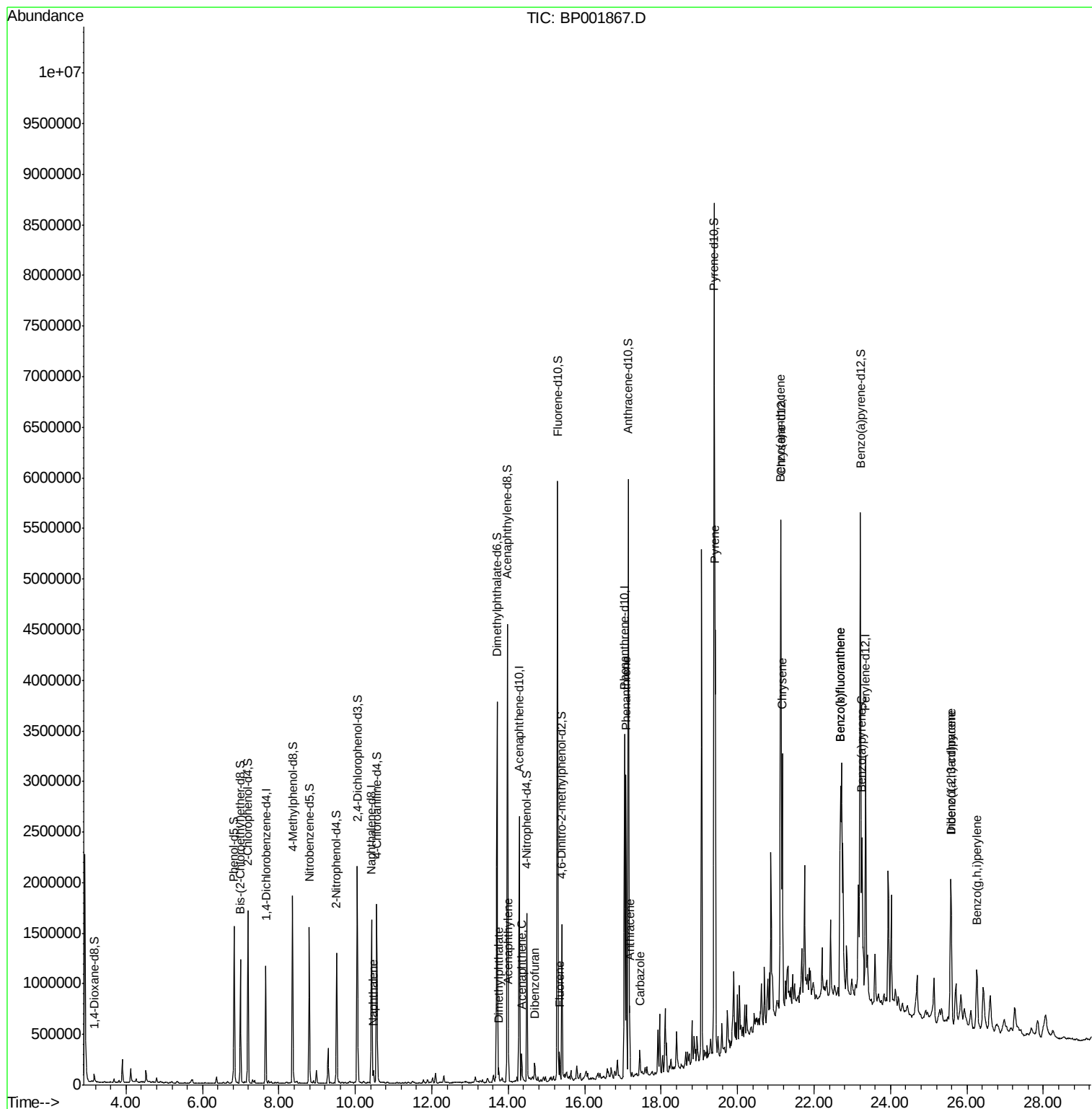
					Qvalue
28) Naphthalene	10.48	128	103711	1.378 ng/ul	99
45) Dimethylphthalate	13.75	163	86628	1.282 ng/ul	98
48) Acenaphthylene	14.00	152	135476	1.579 ng/ul	99
50) Acenaphthene	14.35	153	109482	1.868 ng/ul	97
54) Dibenzofuran	14.69	168	103399	1.252 ng/ul	99
59) Fluorene	15.34	166	118267	1.801 ng/ul	100
70) Phenanthrene	17.08	178	1895051	16.842 ng/ul	100
72) Anthracene	17.17	178	407534	3.667 ng/ul	99
75) Carbazole	17.44	167	163392	1.763 ng/ul	99
80) Pyrene	19.42	202	2671495	21.712 ng/ul	95
83) Benzo(a)anthracene	21.12	228	1519792	12.758 ng/ul	98
85) Chrysene	21.17	228	1447122	12.435 ng/ul	98
88) Benzo(b)fluoranthene	22.69	252	1887040	18.550 ng/ul	100
89) Benzo(k)fluoranthene	22.69	252	1887040	17.896 ng/ul	100
91) Benzo(a)pyrene	23.25	252	1148686	12.049 ng/ul	100
92) Indeno(1,2,3-cd)pyrene	25.58	276	850460	7.142 ng/ul#	95
93) Dibenzo(a,h)anthracene	25.59	278	227409	2.274 ng/ul#	95
94) Benzo(g,h,i)perylene	26.26	276	685550	6.772 ng/ul	97

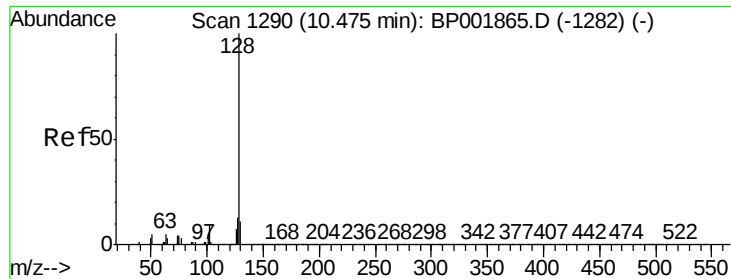
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 1.378 ng/ul

RT: 10.48 min Scan# 1290

Delta R.T. -0.00 min

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Instrument :

BNA_P

ClientSampleId :

CB6X1

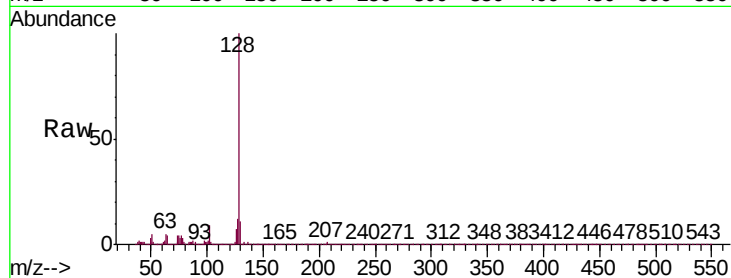
Tgt Ion:128 Resp: 103711

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

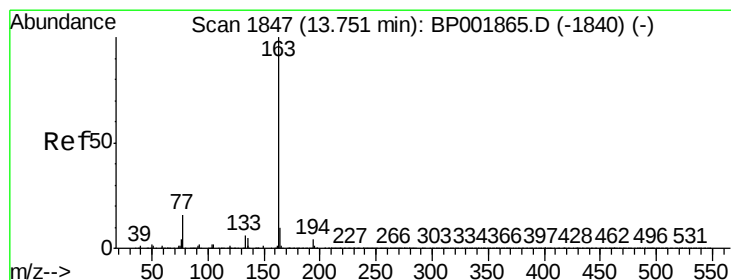
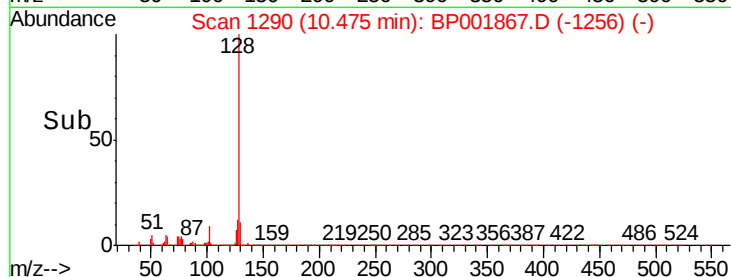
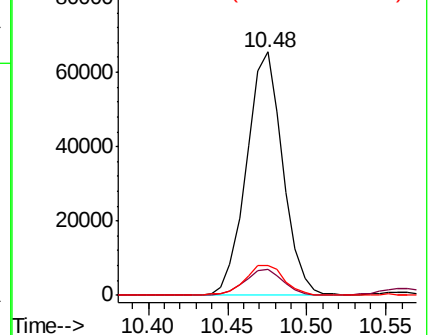
127 12.3 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#45

Dimethylphthalate

Concen: 1.282 ng/ul

RT: 13.75 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BP001867.D

Acq: 24 Feb 2020 18:52

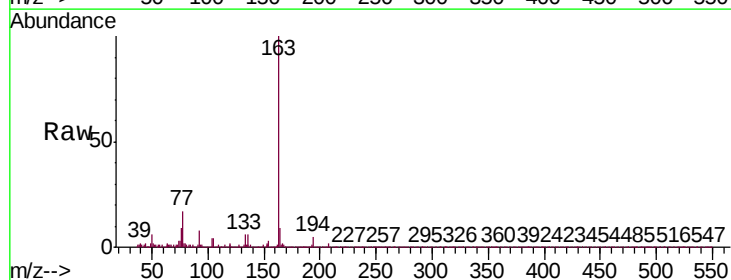
Tgt Ion:163 Resp: 86628

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

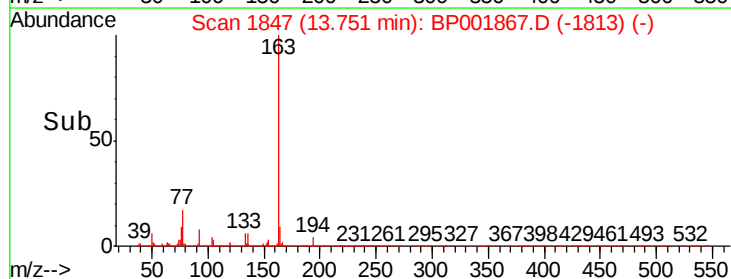
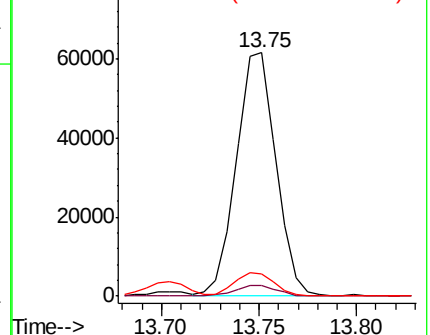
164 9.0 8.0 12.0

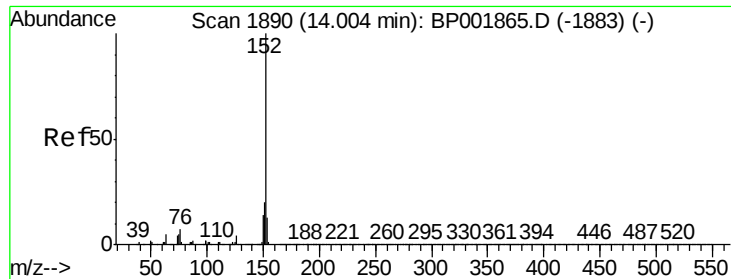


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 1.579 ng/ul

RT: 14.00 min Scan# 1890

Delta R.T. -0.00 min

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Instrument :

BNA_P

ClientSampleId :

CB6X1

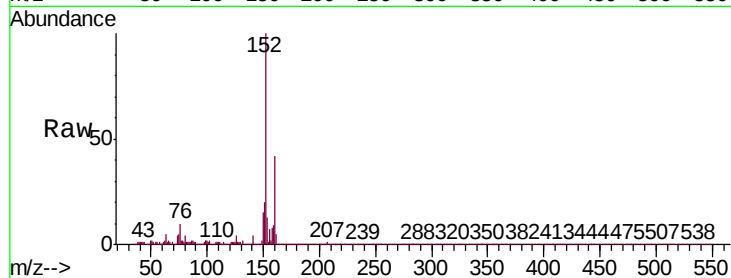
Tgt Ion:152 Resp: 135476

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

153 13.4 10.7 16.1

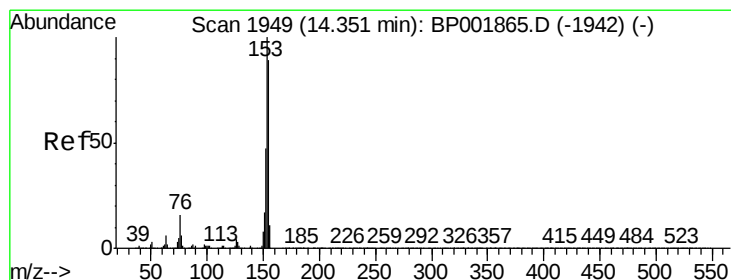
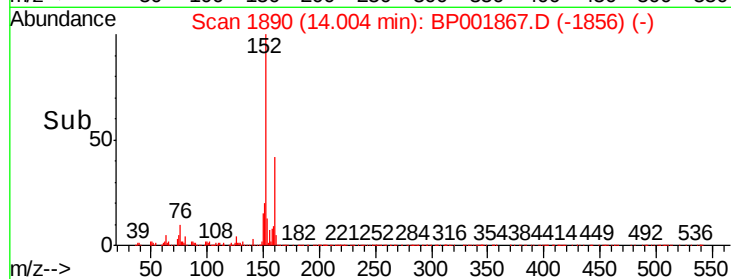
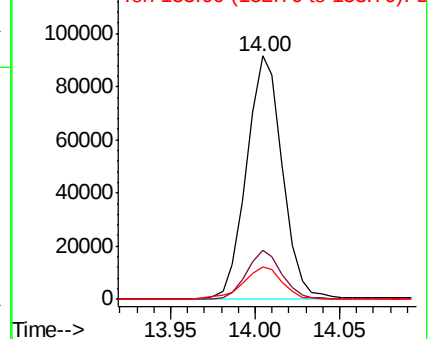


Abundance

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: 1.868 ng/ul

RT: 14.35 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BP001867.D

Acq: 24 Feb 2020 18:52

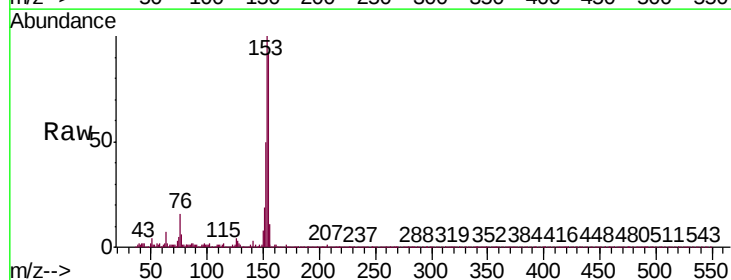
Tgt Ion:153 Resp: 109482

Ion Ratio Lower Upper

153 100

152 49.7 37.8 56.8

154 92.0 71.9 107.9

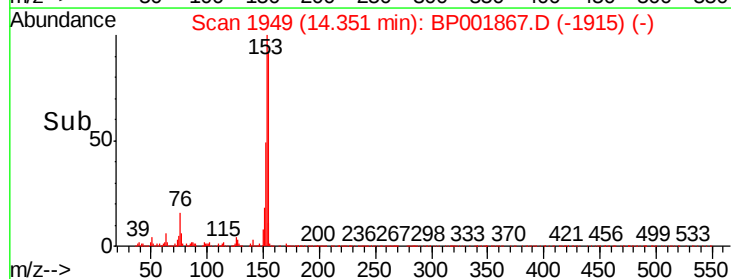
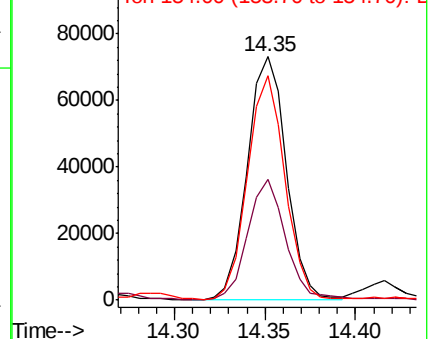


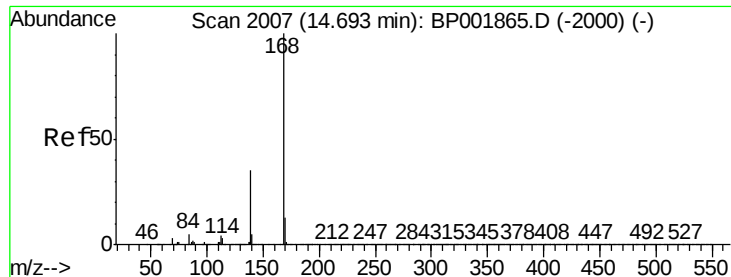
Abundance

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: 1.252 ng/ul

RT: 14.69 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BP001867.D

Acq: 24 Feb 2020 18:52

Instrument :

BNA_P

ClientSampleId :

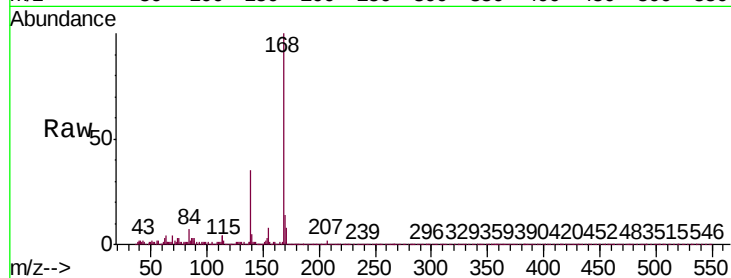
CB6X1

Tgt Ion:168 Resp: 103399

Ion Ratio Lower Upper

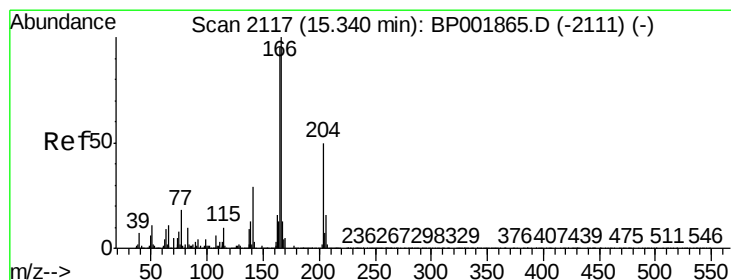
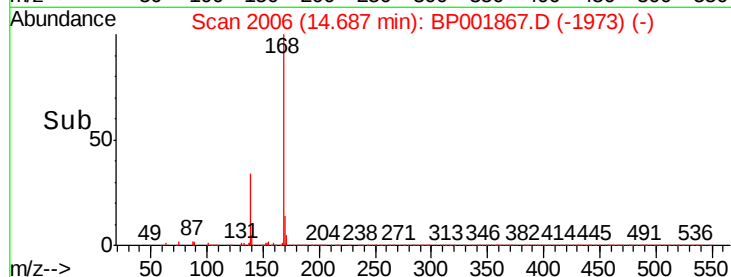
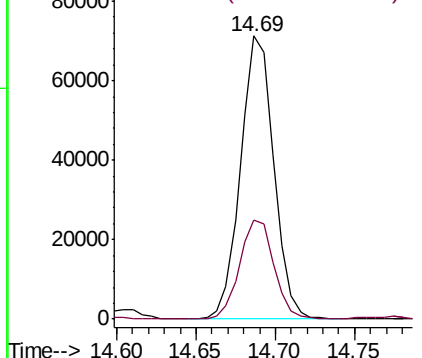
168 100

139 35.0 28.6 43.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 1.801 ng/ul

RT: 15.34 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BP001867.D

Acq: 24 Feb 2020 18:52

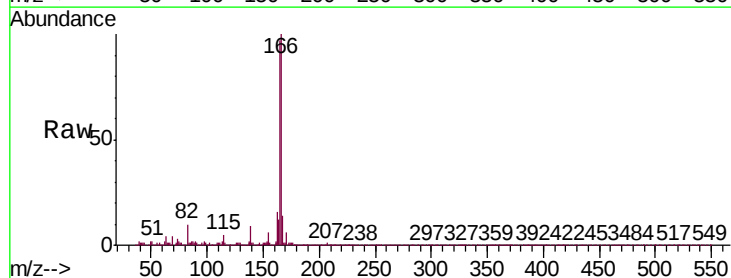
Tgt Ion:166 Resp: 118267

Ion Ratio Lower Upper

166 100

165 96.7 77.3 115.9

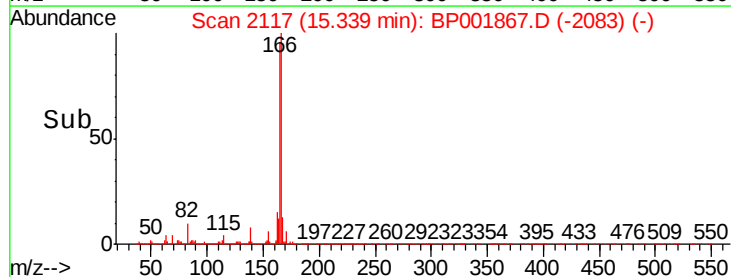
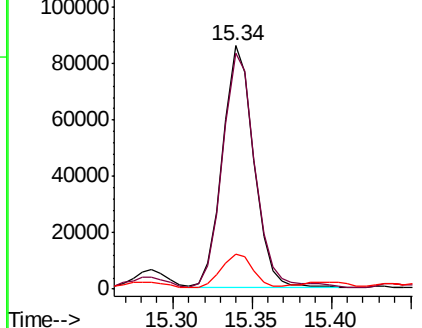
167 14.2 11.0 16.6

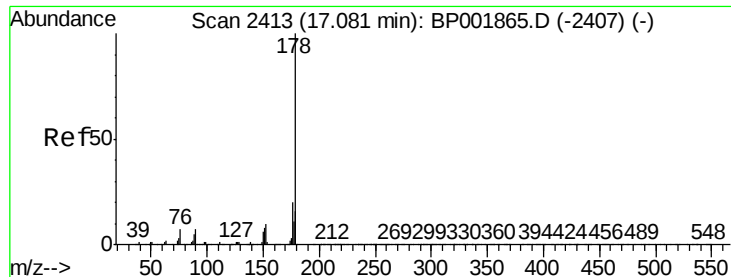


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 16.842 ng/ul

RT: 17.08 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BP001867.D

Acq: 24 Feb 2020 18:52

Instrument :

BNA_P

ClientSampleId :

CB6X1

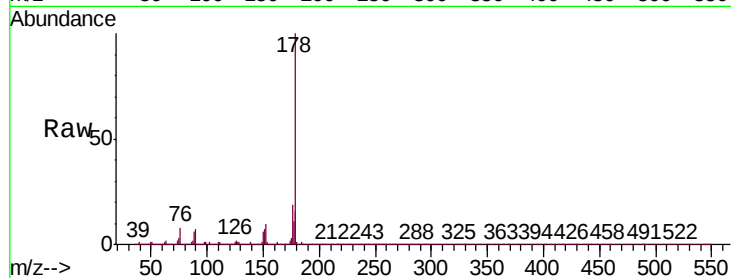
Tgt Ion:178 Resp: 1895051

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

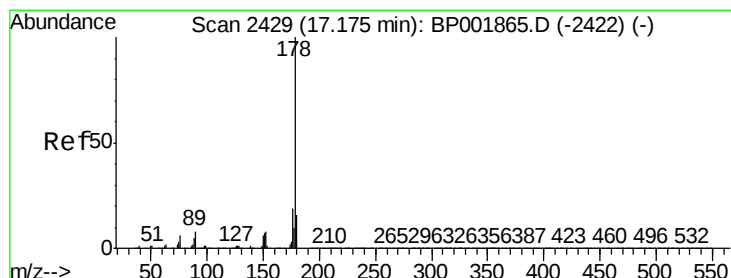
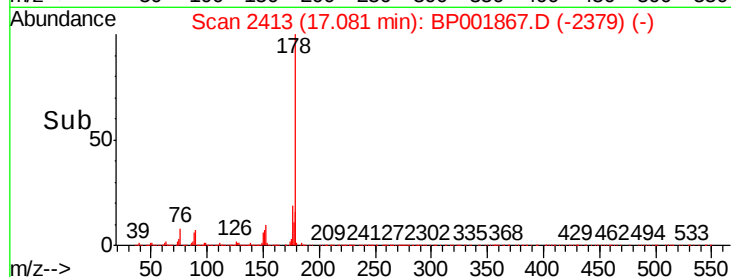
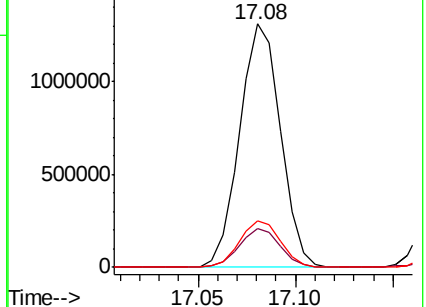
176 19.1 15.3 22.9



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



#72

Anthracene

Concen: 3.667 ng/ul

RT: 17.17 min Scan# 2429

Delta R.T. -0.00 min

Lab File: BP001867.D

Acq: 24 Feb 2020 18:52

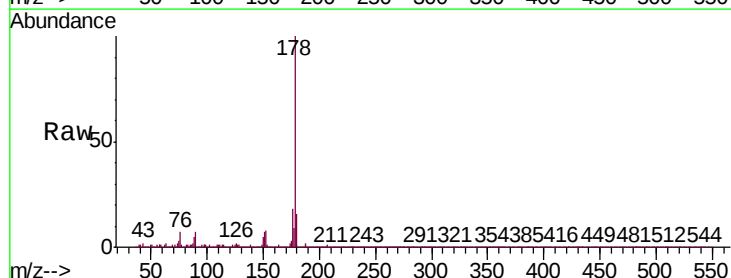
Tgt Ion:178 Resp: 407534

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

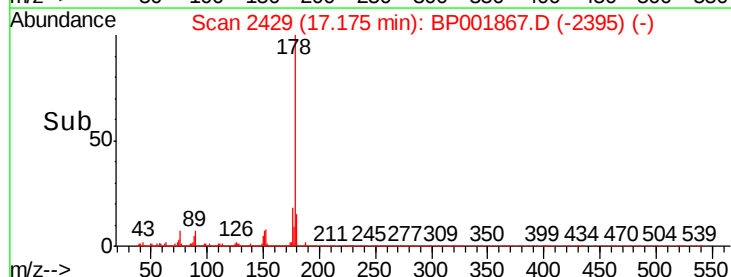
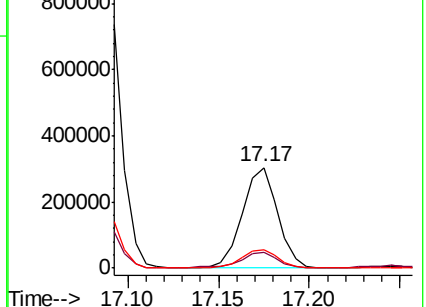
176 18.0 14.8 22.2

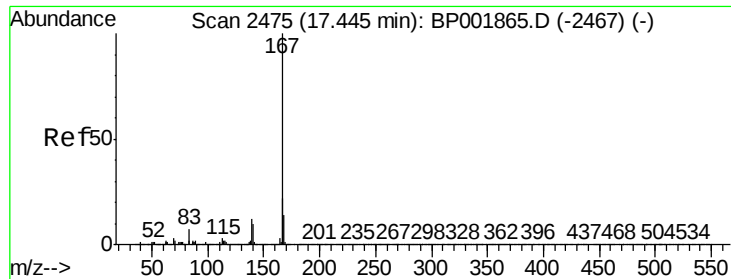


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.763 ng/ul

RT: 17.44 min Scan# 2474

Delta R.T. -0.01 min

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Instrument :

BNA_P

ClientSampleId :

CB6X1

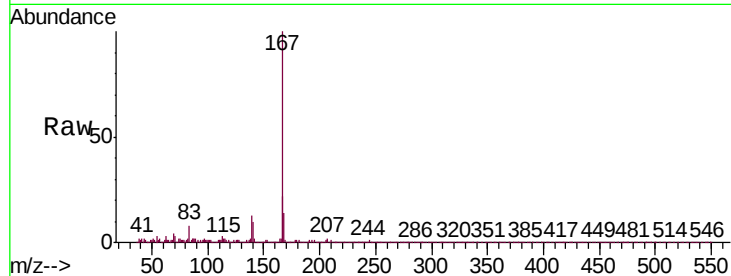
Tgt Ion:167 Resp: 163392

Ion Ratio Lower Upper

167 100

166 22.0 17.1 25.7

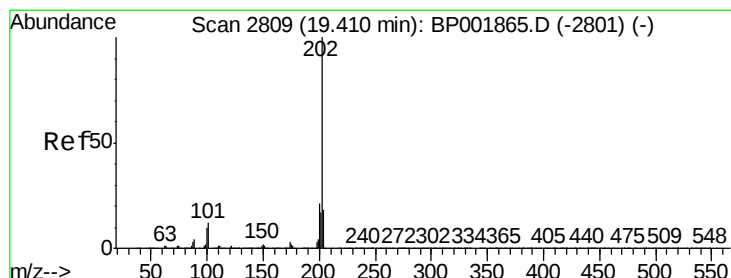
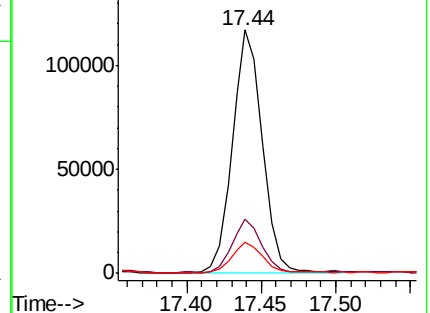
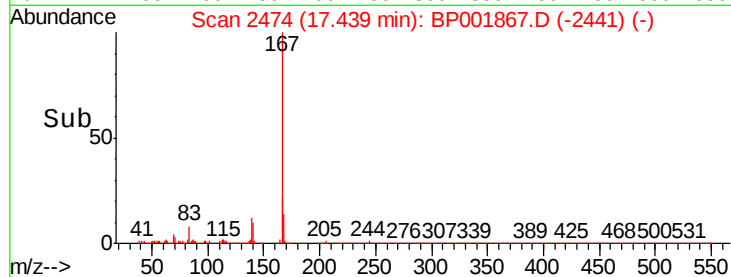
139 13.0 10.2 15.2



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



#80

Pyrene

Concen: 21.712 ng/ul

RT: 19.42 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BP001867.D

Acq: 24 Feb 2020 18:52

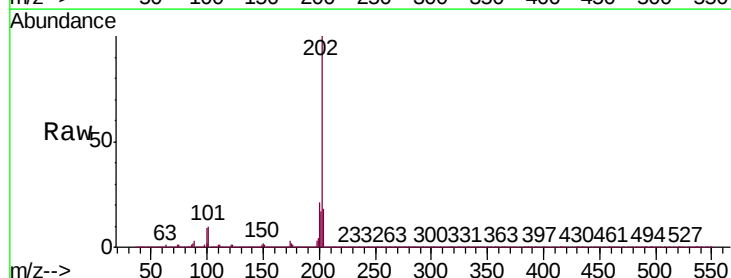
Tgt Ion:202 Resp: 2671495

Ion Ratio Lower Upper

202 100

101 10.4 10.2 15.2

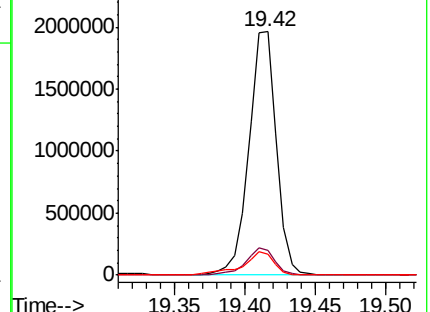
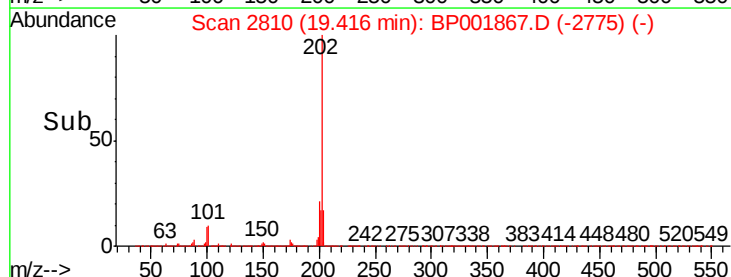
100 8.5 8.2 12.2

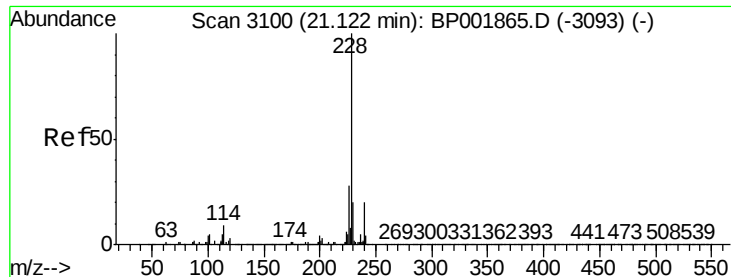


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

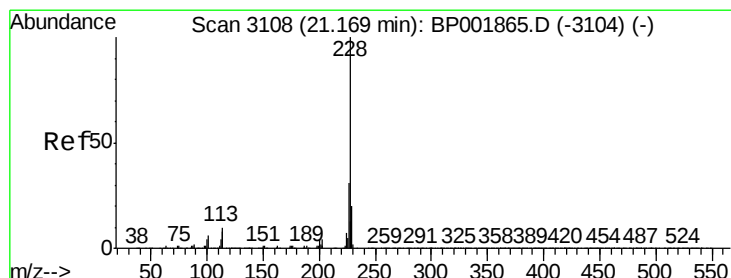
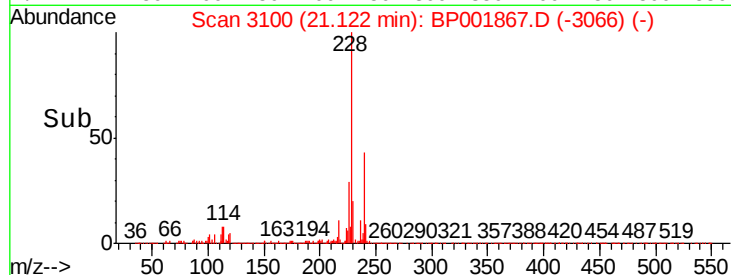
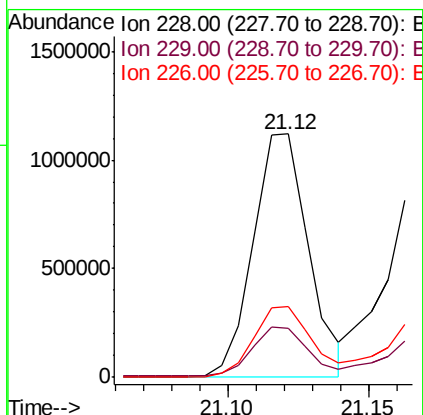
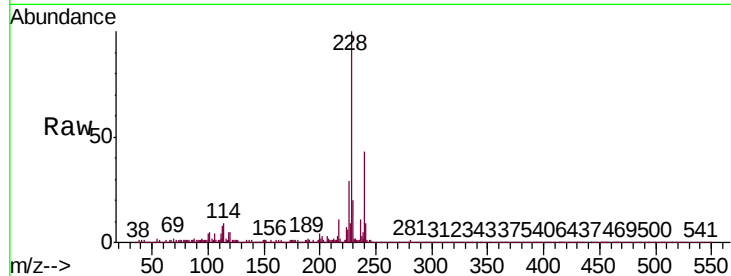




#83
Benzo(a)anthracene
Concen: 12.758 ng/ul
RT: 21.12 min Scan# 3100
Delta R.T. -0.00 min
Lab File: BP001867.D
Acq: 24 Feb 2020 18:52

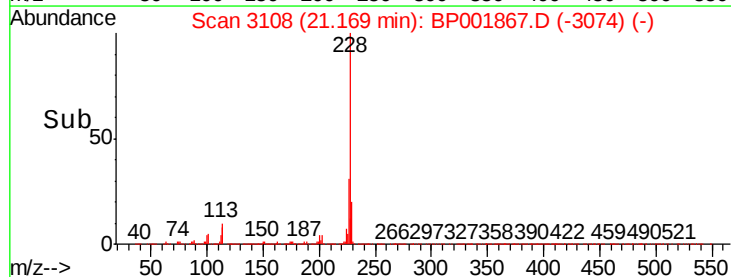
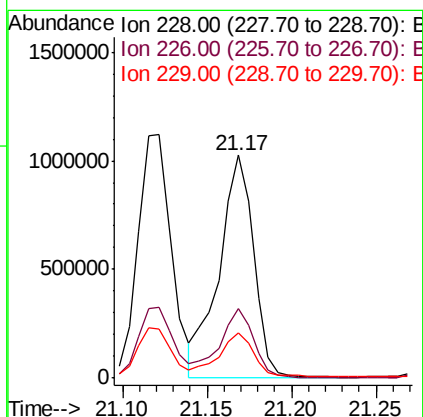
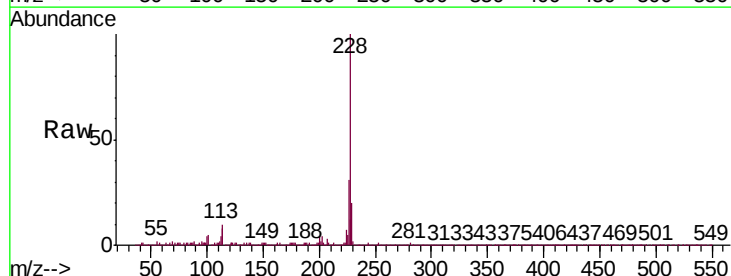
Instrument :
BNA_P
ClientSampled :
CB6X1

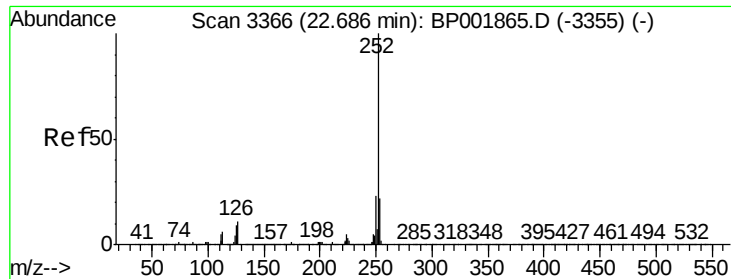
Tgt Ion:228 Resp: 1519792
Ion Ratio Lower Upper
228 100
229 20.4 16.2 24.4
226 29.1 22.0 33.0



#85
Chrysene
Concen: 12.435 ng/ul
RT: 21.17 min Scan# 3108
Delta R.T. -0.00 min
Lab File: BP001867.D
Acq: 24 Feb 2020 18:52

Tgt Ion:228 Resp: 1447122
Ion Ratio Lower Upper
228 100
226 31.0 24.2 36.2
229 20.4 15.7 23.5





#88

Benzo(b)fluoranthene

Concen: 18.550 ng/ul

RT: 22.69 min Scan# 3366

Delta R.T. -0.00 min

Lab File: BP001867.D

Acq: 24 Feb 2020 18:52

Instrument :

BNA_P

ClientSampled :

CB6X1

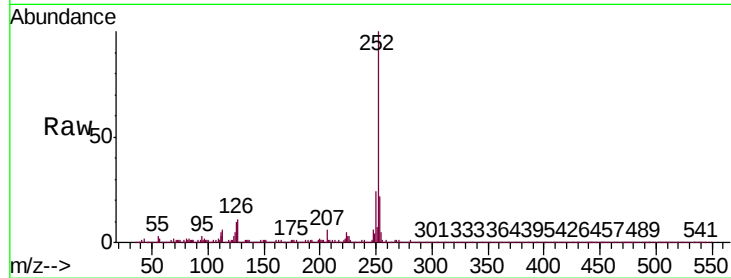
Tgt Ion:252 Resp: 1887040

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

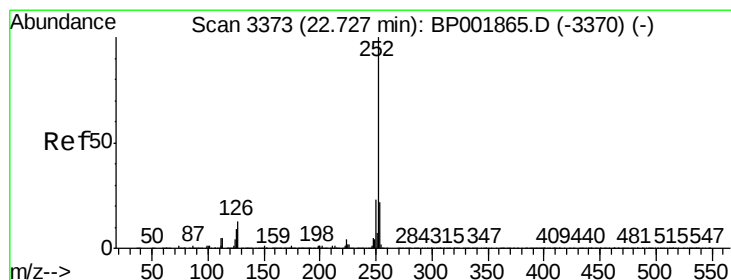
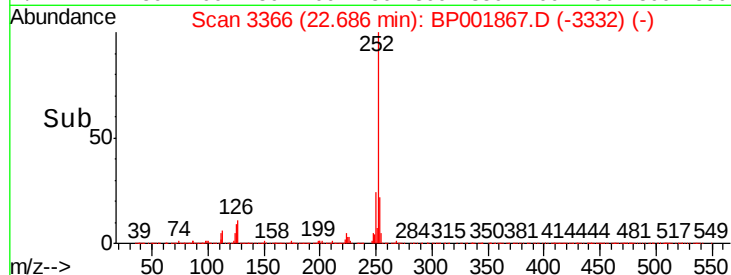
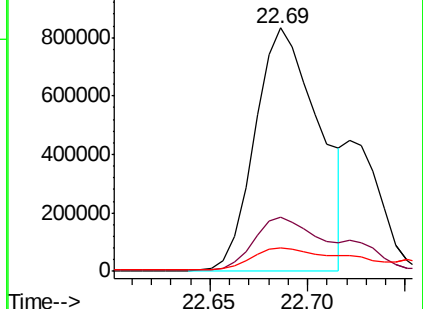
125 9.8 7.8 11.6



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: 17.896 ng/ul

RT: 22.69 min Scan# 3366

Delta R.T. -0.04 min

Lab File: BP001867.D

Acq: 24 Feb 2020 18:52

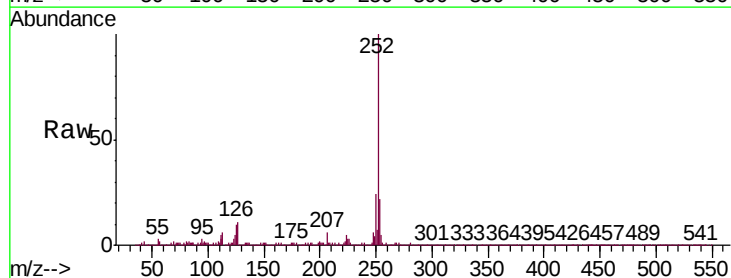
Tgt Ion:252 Resp: 1887040

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

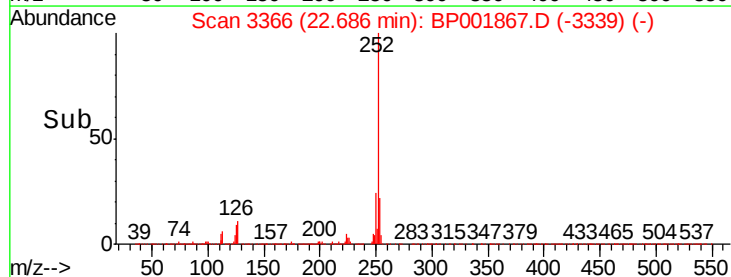
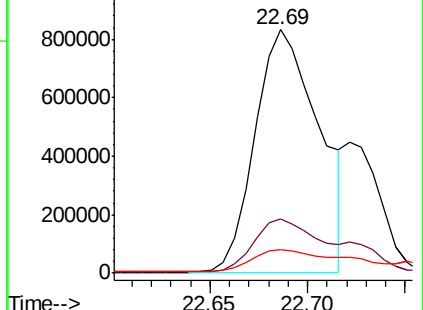
125 9.8 8.0 12.0

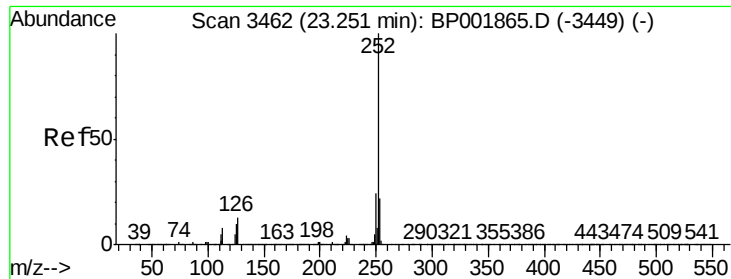


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 12.049 ng/u1

RT: 23.25 min Scan# 3462

Delta R.T. -0.00 min

Lab File: BP001867.D

Acq: 24 Feb 2020 18:52

Instrument :

BNA_P

ClientSampleId :

CB6X1

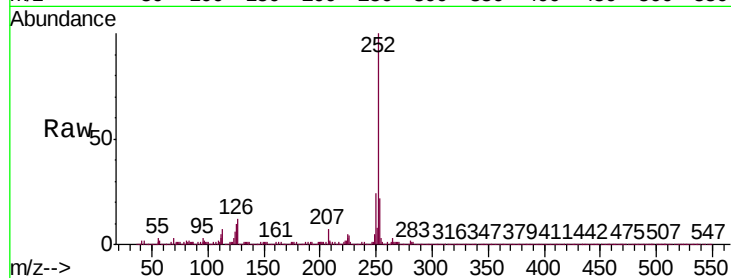
Tgt Ion:252 Resp: 1148686

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

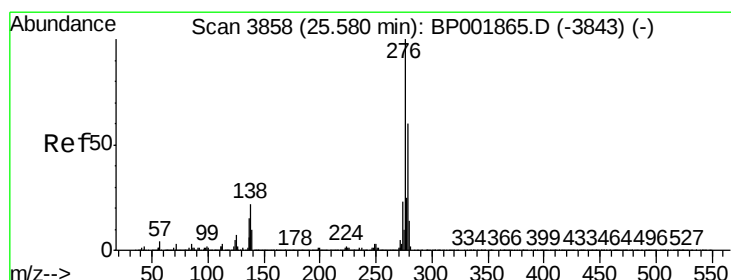
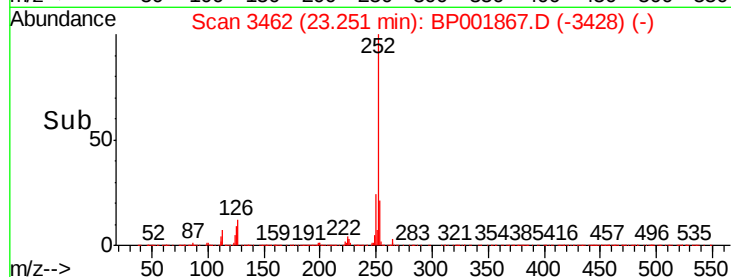
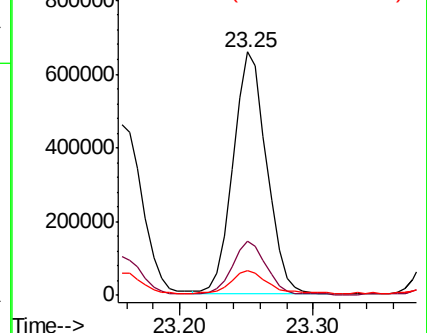
125 10.4 8.3 12.5



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: 7.142 ng/u1

RT: 25.58 min Scan# 3858

Delta R.T. -0.00 min

Lab File: BP001867.D

Acq: 24 Feb 2020 18:52

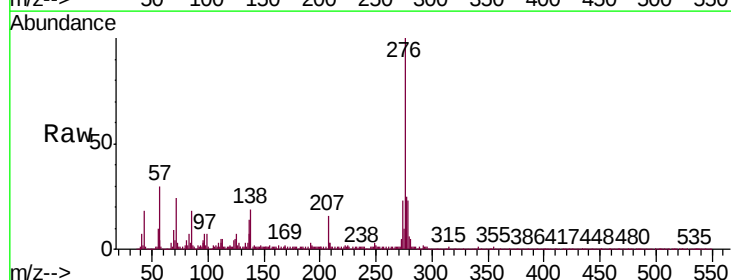
Tgt Ion:276 Resp: 850460

Ion Ratio Lower Upper

276 100

138 19.1 19.3 28.9#

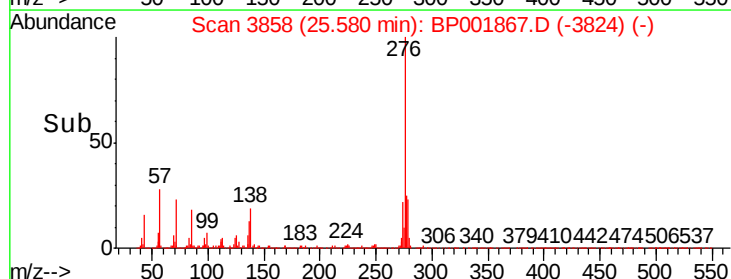
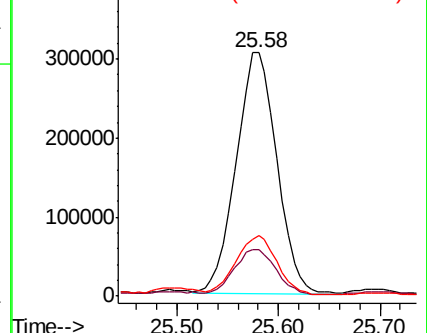
277 24.8 20.0 30.0

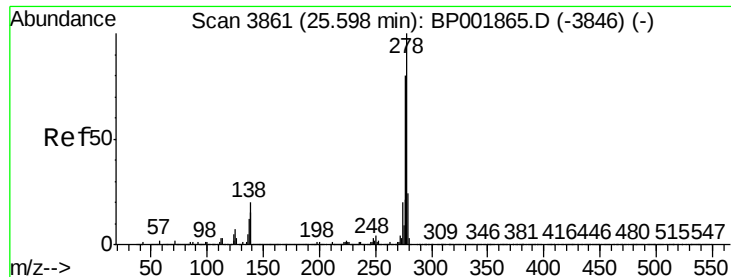


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 2.274 ng/ul

RT: 25.59 min Scan# 3859

Delta R.T. -0.01 min

Lab File: BP001867.D

Acq: 24 Feb 2020 18:52

Instrument :

BNA_P

ClientSampleId :

CB6X1

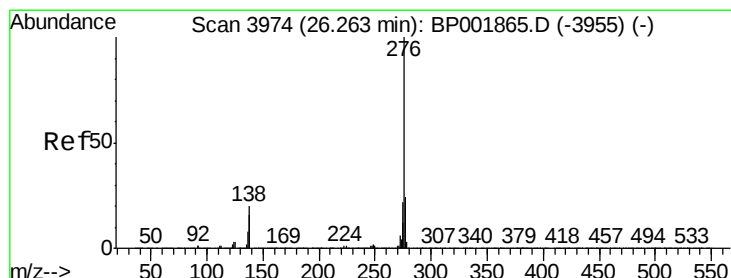
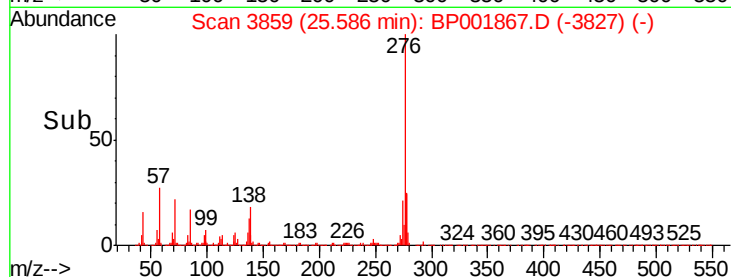
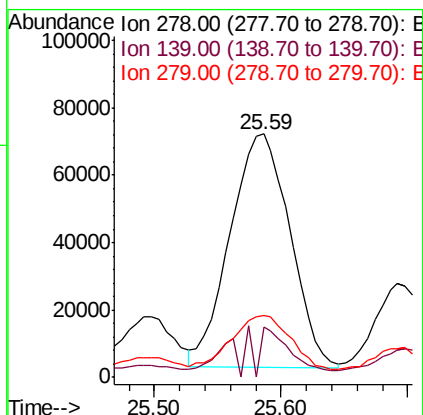
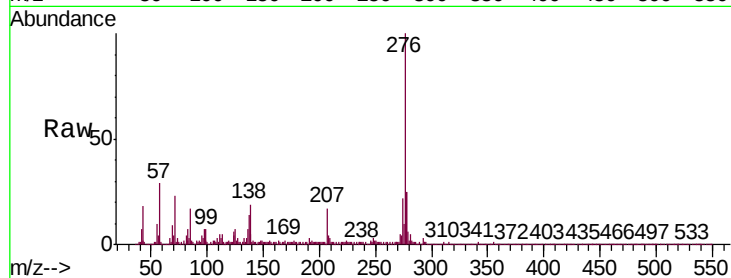
Tgt Ion: 278 Resp: 227409

Ion Ratio Lower Upper

278 100

139 20.7 13.3 19.9#

279 25.2 19.3 28.9



#94

Benzo(g,h,i)perylene

Concen: 6.772 ng/ul

RT: 26.26 min Scan# 3973

Delta R.T. -0.01 min

Lab File: BP001867.D

Acq: 24 Feb 2020 18:52

Tgt Ion: 276 Resp: 685550

Ion Ratio Lower Upper

276 100

138 19.3 17.7 26.5

277 24.0 18.8 28.2

