

Data File : BM024866.D
Acq On : 13 Feb 2020 21:39
Operator : CG/JU
Sample : L1404-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB6N3

Quant Time: Feb 14 06:03:21 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 14 05:59:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	440480	20.00	ng/ul	0.00
18) Naphthalene-d8	10.15	136	1602494	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.04	164	971060	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.80	188	1988222	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1937126	20.00	ng/ul	0.00
86) Perylene-d12	23.11	264	2067164	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.04	96	43970	4.80	ng/uL	0.00
5) Phenol-d5	6.60	99	694293	23.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	443833	26.86	ng/ul	0.00
9) 2-Chlorophenol-d4	6.94	132	606392	23.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.11	113	306929	12.43	ng/ul	0.00
19) Nitrobenzene-d5	8.53	128	296412	25.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	343486	25.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.78	165	568726	20.59	ng/ul	0.00
29) 4-Chloroaniline-d4	10.29	131	565263	21.88	ng/ul	0.00
44) Dimethylphthalate-d6	13.47	166	1762933	24.05	ng/ul	0.00
47) Acenaphthylene-d8	13.73	160	2103921	24.58	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	238505	20.02	ng/ul	0.00
58) Fluorene-d10	15.04	176	1544330	23.79	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.18	200	261140	20.15	ng/ul	0.00
71) Anthracene-d10	16.90	188	2075122	22.86	ng/ul	0.00
79) Pyrene-d10	19.20	212	2510939	25.91	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	2619641	25.23	ng/ul	0.00

Target Compounds

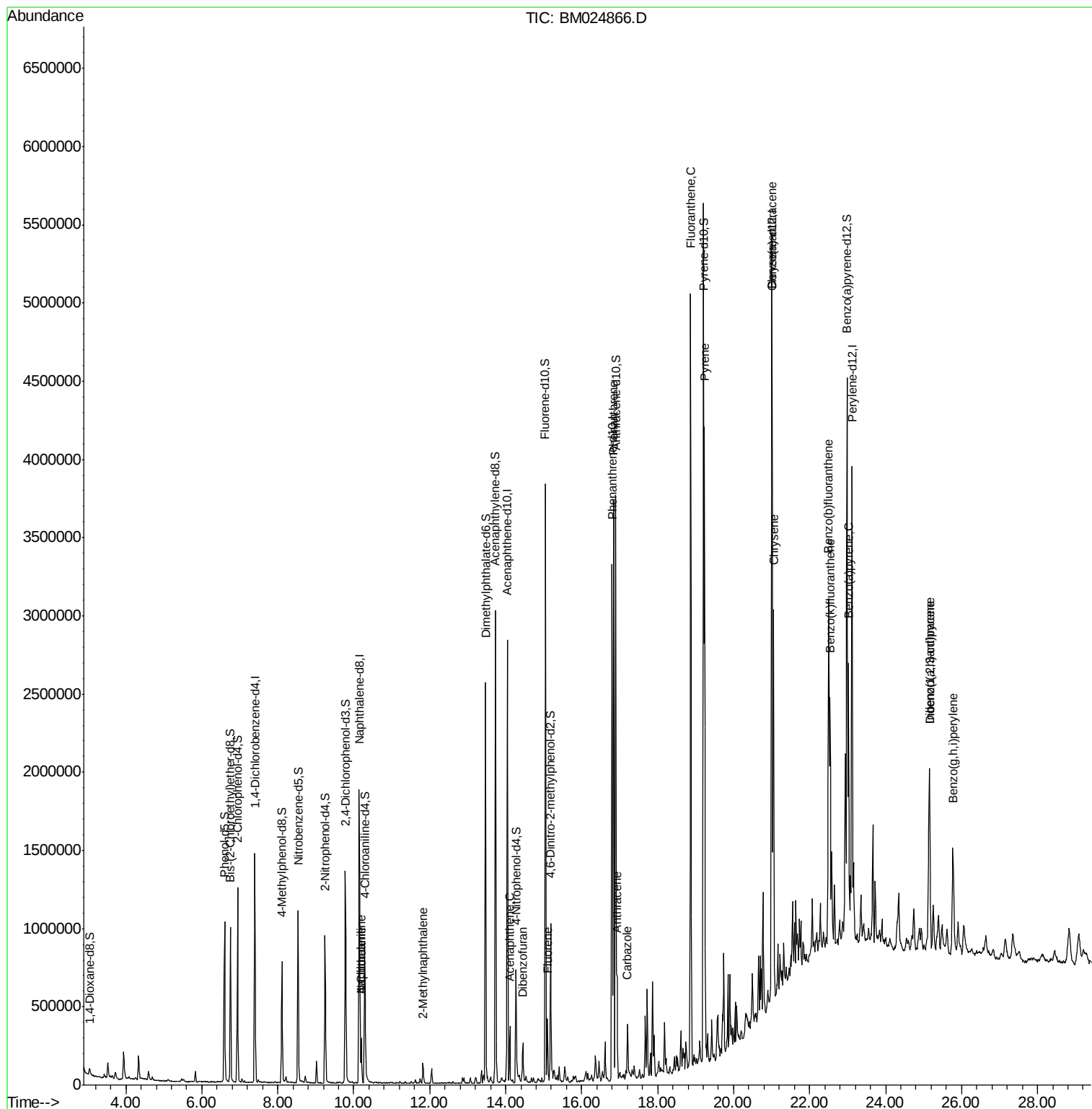
					Qvalue	
28) Naphthalene	10.20	128	238278	2.910	ng/ul	98
30) 4-Chloroaniline	10.20	127	30398	1.179	ng/ul#	26
34) 2-Methylnaphthalene	11.83	142	66266	1.099	ng/ul	99
50) Acenaphthene	14.10	153	146188	2.441	ng/ul	97
54) Dibenzofuran	14.45	168	156932	1.758	ng/ul	99
59) Fluorene	15.10	166	166016	2.257	ng/ul	94
70) Phenanthrene	16.84	178	2246532	20.723	ng/ul	100
72) Anthracene	16.93	178	383580	3.489	ng/ul	99
75) Carbazole	17.20	167	229091	2.501	ng/ul	99
77) Fluoranthene	18.87	202	3095620	23.261	ng/ul	97
80) Pyrene	19.23	202	2521551	19.665	ng/ul#	94
83) Benzo(a)anthracene	21.00	228	1464107	11.221	ng/ul	98
85) Chrysene	21.05	228	1409626	10.973	ng/ul	99
88) Benzo(b)fluoranthene	22.50	252	1965256	14.951	ng/ul#	99
89) Benzo(k)fluoranthene	22.54	252	642468	5.078	ng/ul#	97
91) Benzo(a)pyrene	23.03	252	1260092	10.693	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.16	276	936638	6.384	ng/ul	99
93) Dibenzo(a,h)anthracene	25.16	278	263832	2.111	ng/ul#	91
94) Benzo(g,h,i)perylene	25.78	276	801245	6.566	ng/ul	100

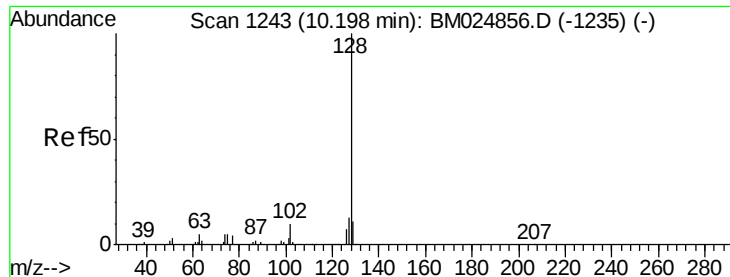
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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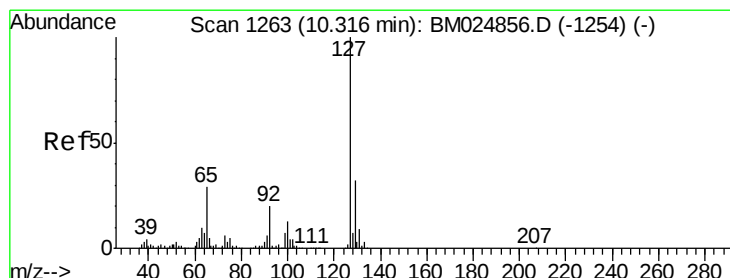
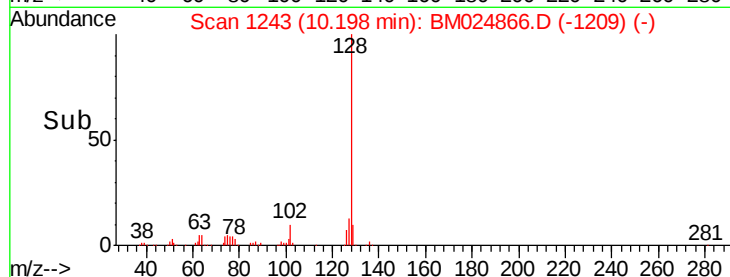
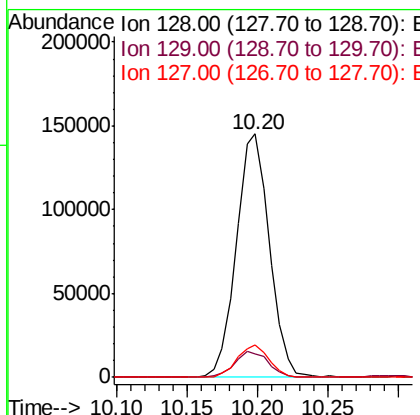
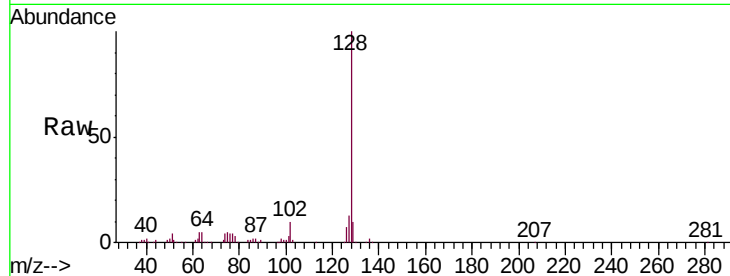




#28
Naphthalene
Concen: 2.910 ng/ul
RT: 10.20 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BM024866.D
Acq: 13 Feb 2020 21:39

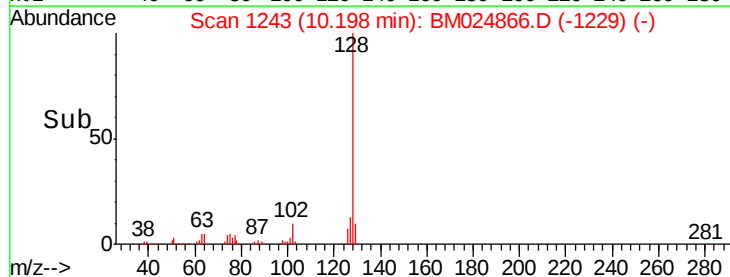
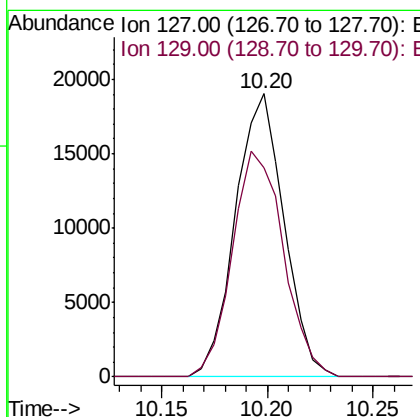
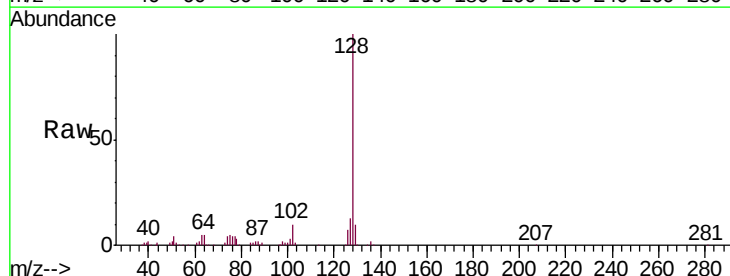
Instrument :
BNA_M
ClientSampleId :
CB6N3

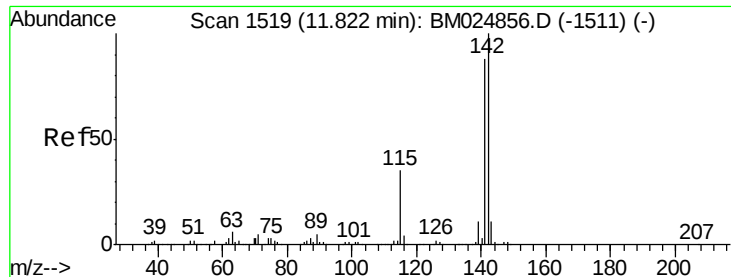
Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.7	9.1	13.7
127	13.1	10.4	15.6



#30
4-Chloroaniline
Concen: 1.179 ng/ul
RT: 10.20 min Scan# 1243
Delta R.T. -0.12 min
Lab File: BM024866.D
Acq: 13 Feb 2020 21:39

Tgt Ion	Ratio	Lower	Upper
127	100		
129	73.9	25.8	38.8#

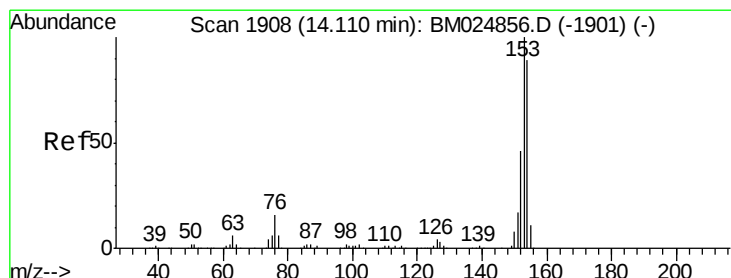
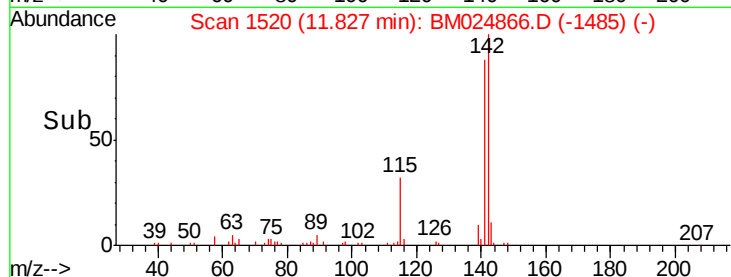
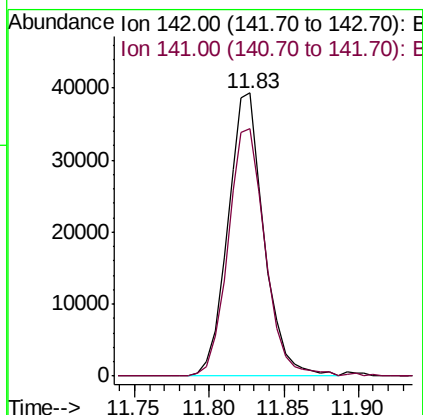
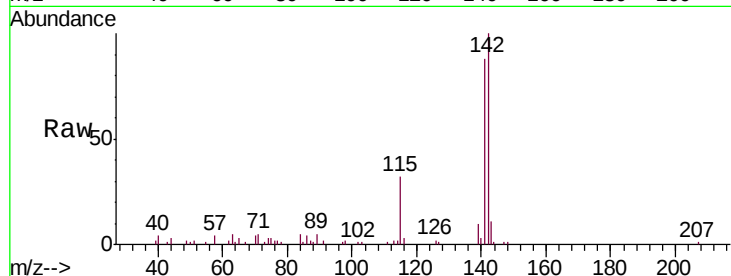




#34
 2-Methylnaphthalene
 Concen: 1.099 ng/ul
 RT: 11.83 min Scan# 1520
 Delta R.T. 0.01 min
 Lab File: BM024866.D
 Acq: 13 Feb 2020 21:39

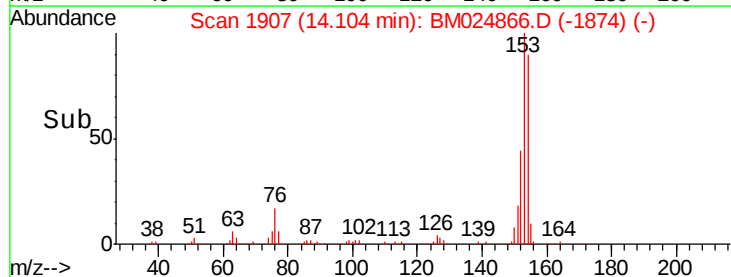
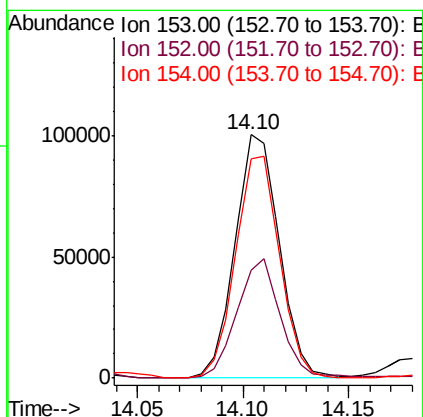
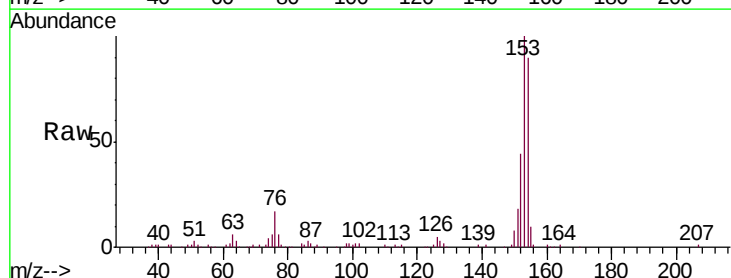
Instrument :
 BNA_M
 ClientSampleId :
 CB6N3

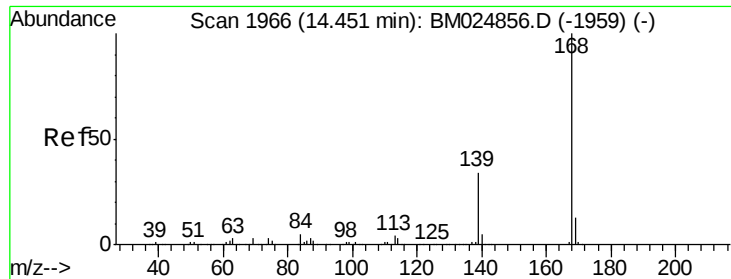
Tgt Ion:142 Resp: 66266
 Ion Ratio Lower Upper
 142 100
 141 87.5 70.5 105.7



#50
 Acenaphthene
 Concen: 2.441 ng/ul
 RT: 14.10 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: BM024866.D
 Acq: 13 Feb 2020 21:39

Tgt Ion:153 Resp: 146188
 Ion Ratio Lower Upper
 153 100
 152 44.1 37.3 55.9
 154 89.8 74.1 111.1





#54

Diben-zofuran

Concen: 1.758 ng/ul

RT: 14.45 min Scan# 1966

Delta R.T. 0.00 min

Lab File: BM024866.D

Acq: 13 Feb 2020 21:39

Instrument :

BNA_M

ClientSampleId :

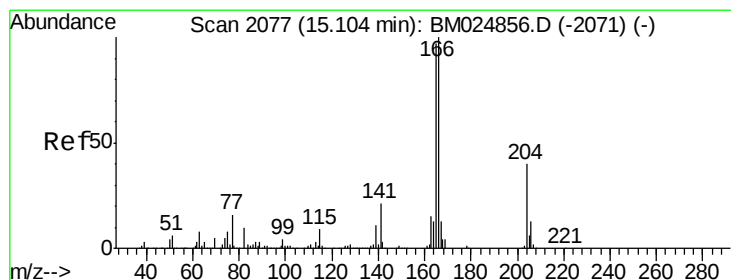
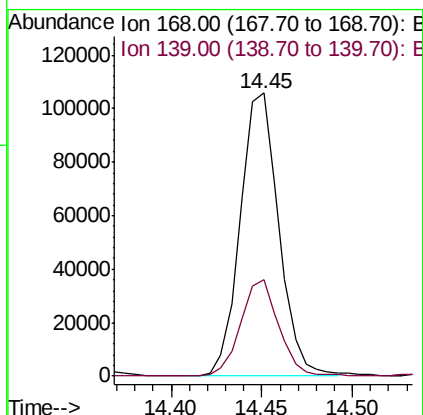
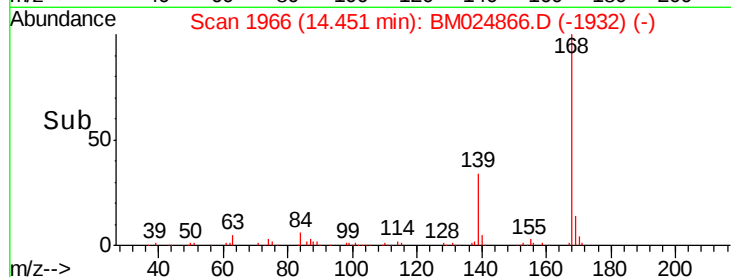
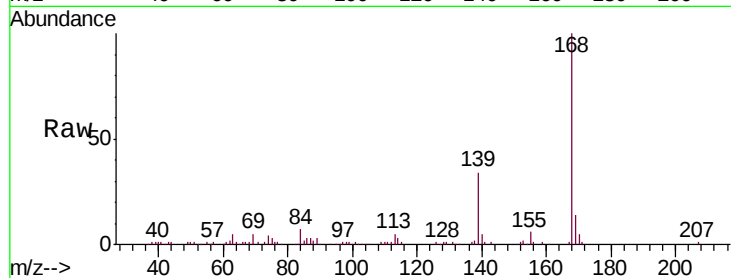
CB6N3

Tgt Ion:168 Resp: 156932

Ion Ratio Lower Upper

168 100

139 34.3 27.8 41.8



#59

Fluorene

Concen: 2.257 ng/ul

RT: 15.10 min Scan# 2077

Delta R.T. 0.00 min

Lab File: BM024866.D

Acq: 13 Feb 2020 21:39

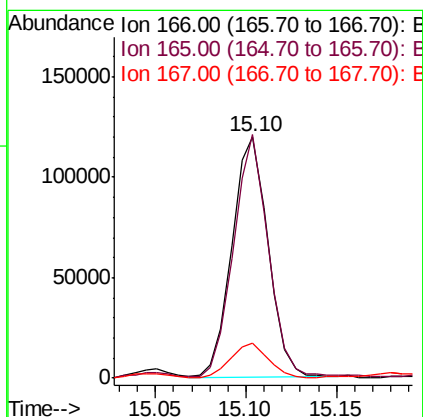
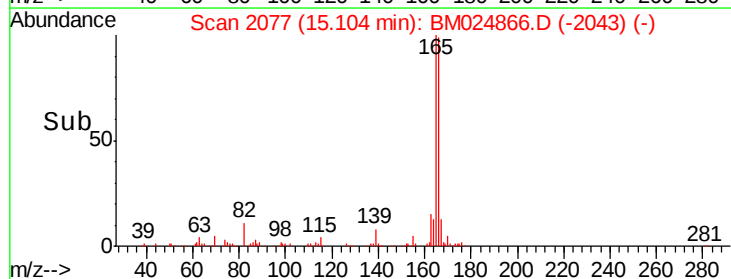
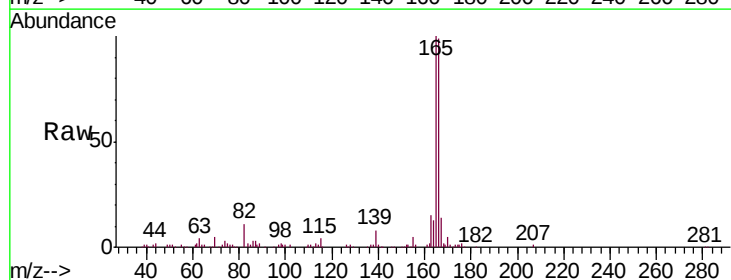
Tgt Ion:166 Resp: 166016

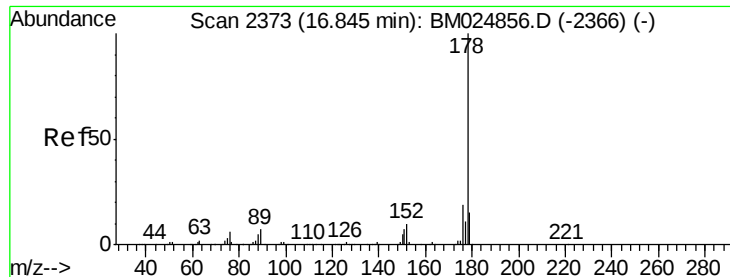
Ion Ratio Lower Upper

166 100

165 101.0 75.8 113.8

167 14.4 10.6 16.0





#70

Phenanthrene

Concen: 20.723 ng/ul

RT: 16.84 min Scan# 2372

Delta R.T. -0.01 min

Lab File: BM024866.D

Acq: 13 Feb 2020 21:39

Instrument :

BNA_M

ClientSampleId :

CB6N3

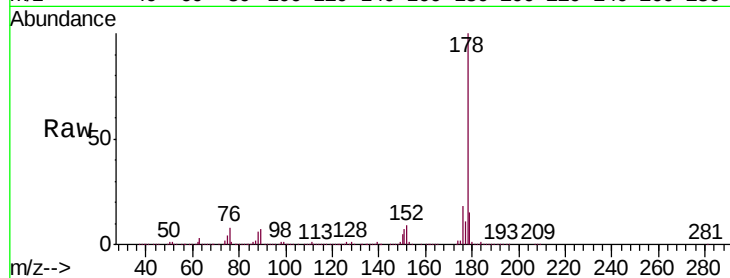
Tgt Ion:178 Resp: 2246532

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

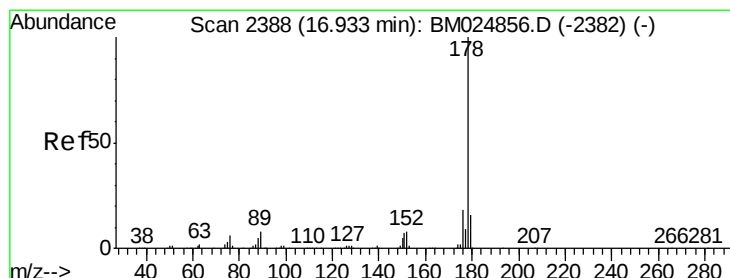
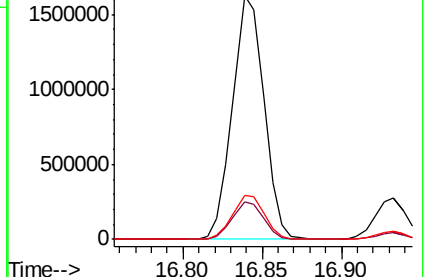
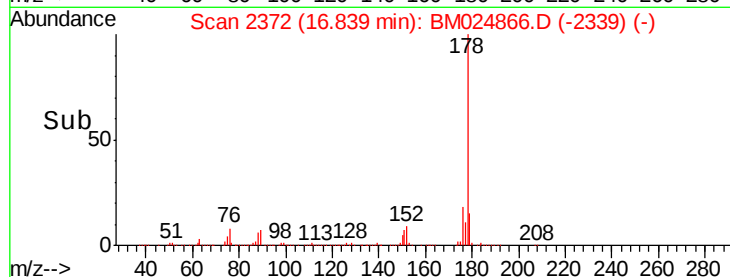
176 18.2 14.5 21.7



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: 3.489 ng/ul

RT: 16.93 min Scan# 2388

Delta R.T. 0.00 min

Lab File: BM024866.D

Acq: 13 Feb 2020 21:39

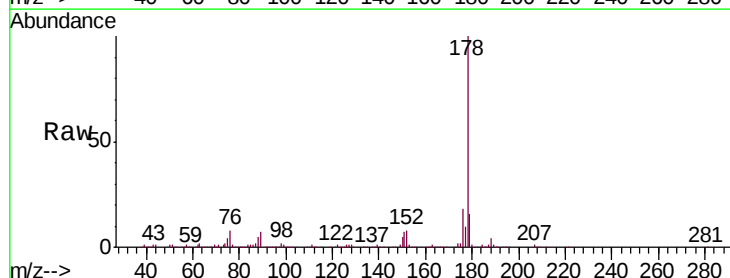
Tgt Ion:178 Resp: 383580

Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

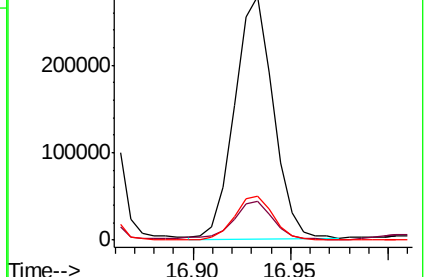
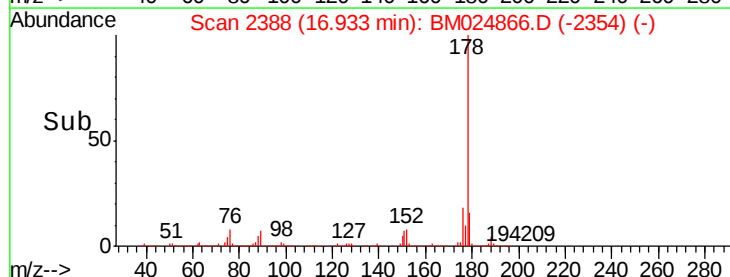
176 18.0 14.1 21.1

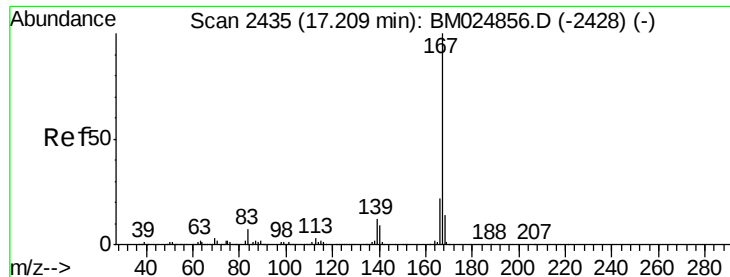


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.501 ng/ul

RT: 17.20 min Scan# 2434

Delta R.T. -0.01 min

Lab File: BM024866.D

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ClientSampleId :

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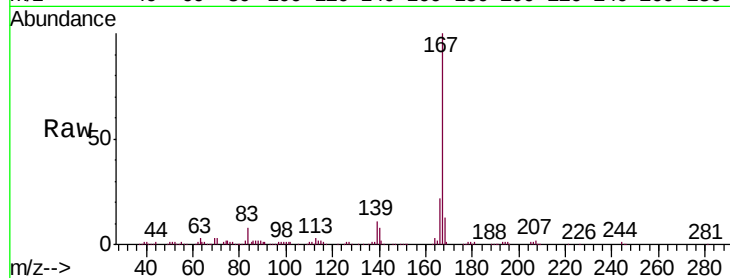
Tgt Ion:167 Resp: 229091

Ion Ratio Lower Upper

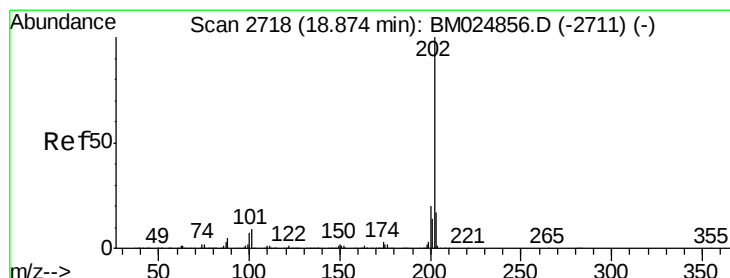
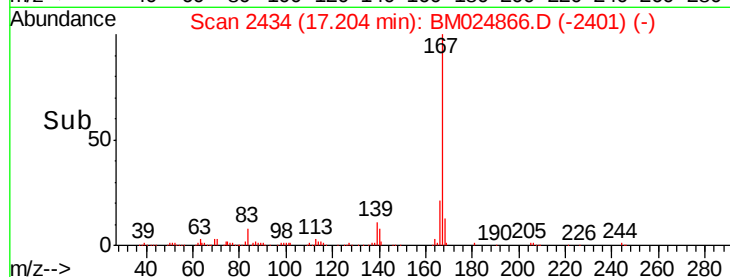
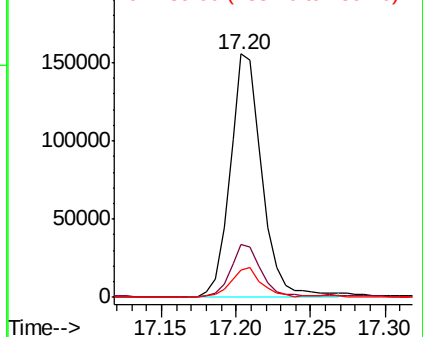
167 100

166 21.5 16.6 24.8

139 11.2 9.3 13.9



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: 23.261 ng/ul

RT: 18.87 min Scan# 2718

Delta R.T. 0.00 min

Lab File: BM024866.D

Acq: 13 Feb 2020 21:39

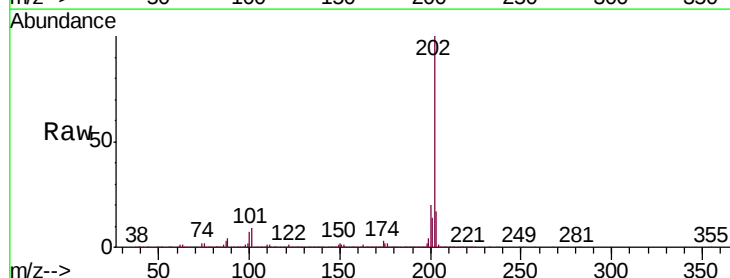
Tgt Ion:202 Resp: 3095620

Ion Ratio Lower Upper

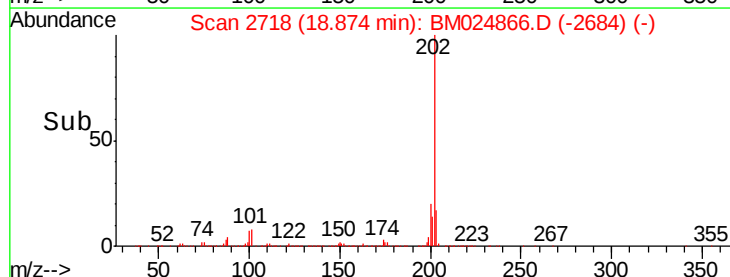
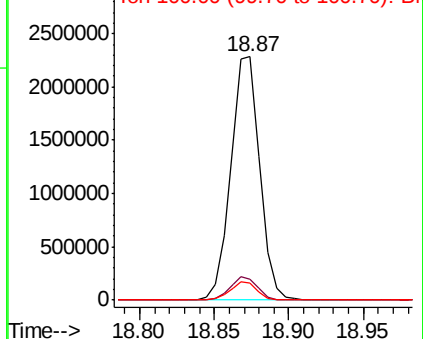
202 100

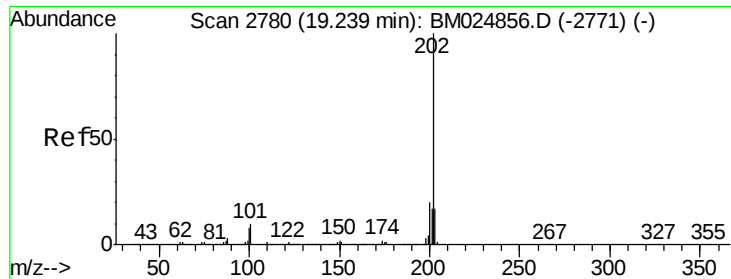
101 8.5 6.1 9.1

100 6.9 4.8 7.2



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): B

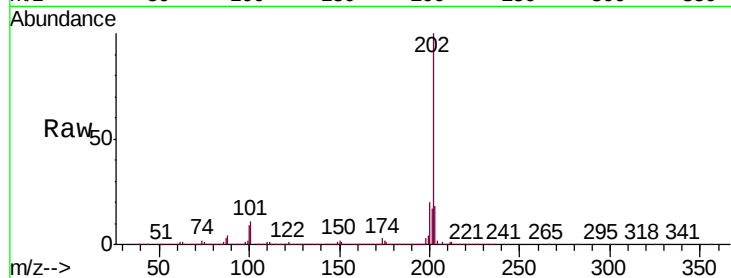




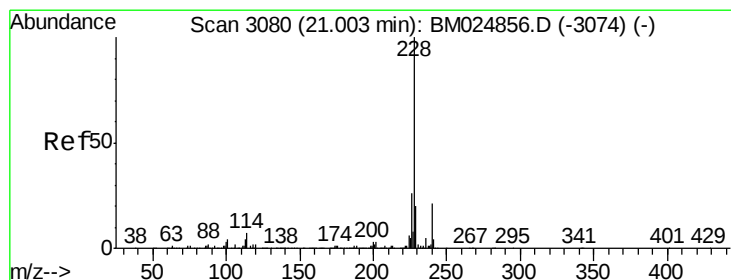
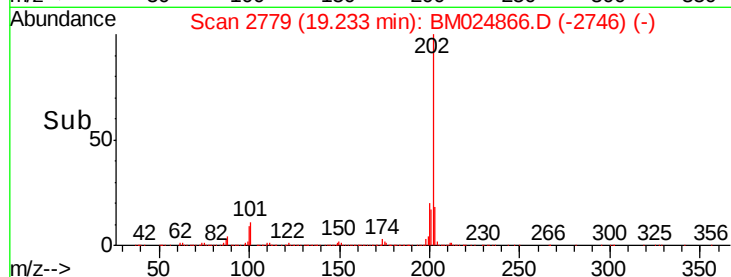
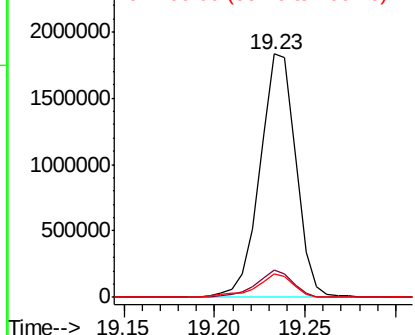
#80
Pyrene
Concen: 19.665 ng/ul
RT: 19.23 min Scan# 2779
Delta R.T. -0.01 min
Lab File: BM024866.D
Acq: 13 Feb 2020 21:39

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Tgt Ion:202 Resp: 2521551
Ion Ratio Lower Upper
202 100
101 11.1 7.0 10.4#
100 9.4 5.8 8.8#

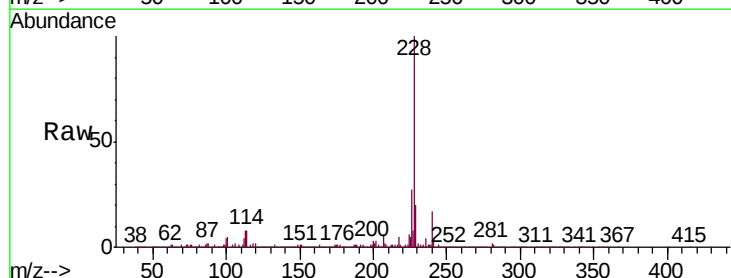


Abundance Ion 202.00 (201.70 to 202.70): E
2500000
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

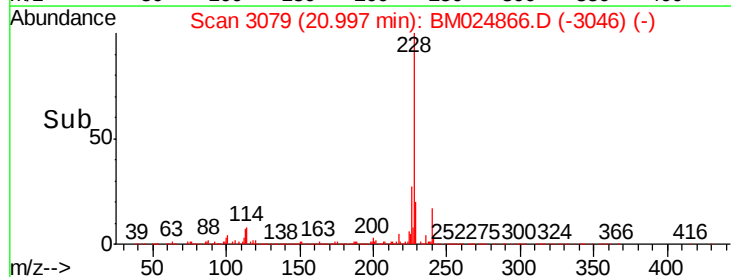
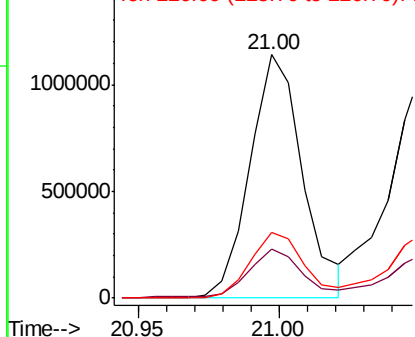


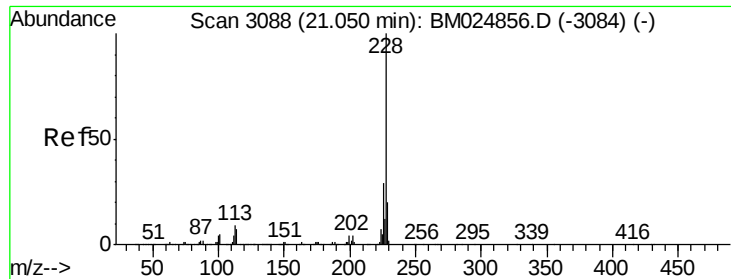
#83
Benzo(a)anthracene
Concen: 11.221 ng/ul
RT: 21.00 min Scan# 3079
Delta R.T. -0.01 min
Lab File: BM024866.D
Acq: 13 Feb 2020 21:39

Tgt Ion:228 Resp: 1464107
Ion Ratio Lower Upper
228 100
229 20.2 15.9 23.9
226 27.1 20.8 31.2



Abundance Ion 228.00 (227.70 to 228.70): E
1500000
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#85

Chrysene

Concen: 10.973 ng/u1

RT: 21.05 min Scan# 3088

Delta R.T. 0.00 min

Lab File: BM024866.D

Acq: 13 Feb 2020 21:39

Instrument :

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ClientSampleId :

CB6N3

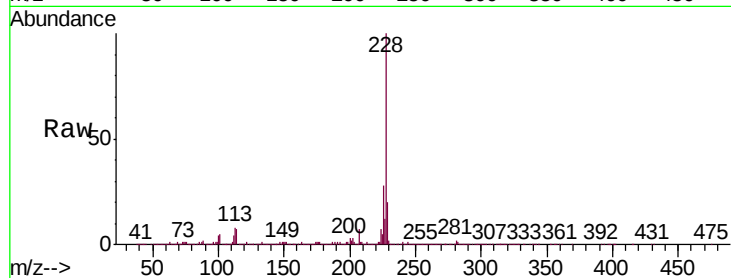
Tgt Ion:228 Resp: 1409626

Ion Ratio Lower Upper

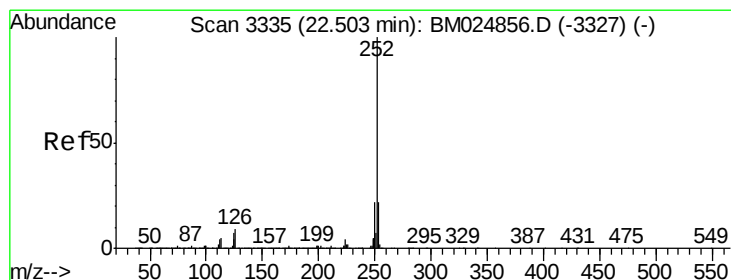
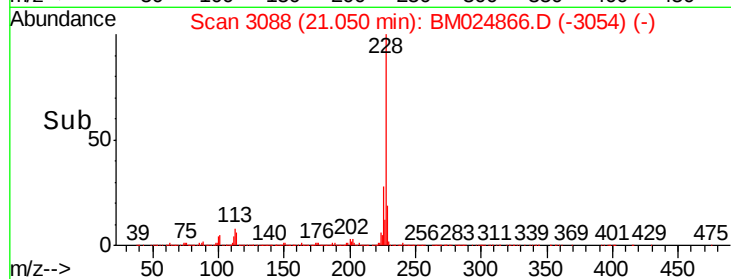
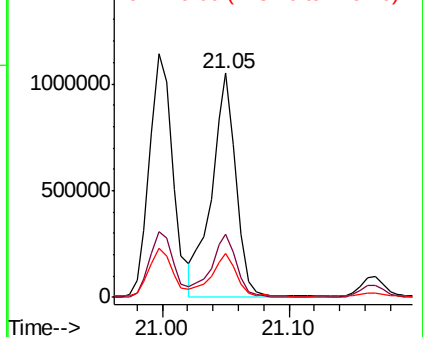
228 100

226 28.3 23.0 34.4

229 19.6 15.8 23.8



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



#88

Benzo(b)fluoranthene

Concen: 14.951 ng/u1

RT: 22.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: BM024866.D

Acq: 13 Feb 2020 21:39

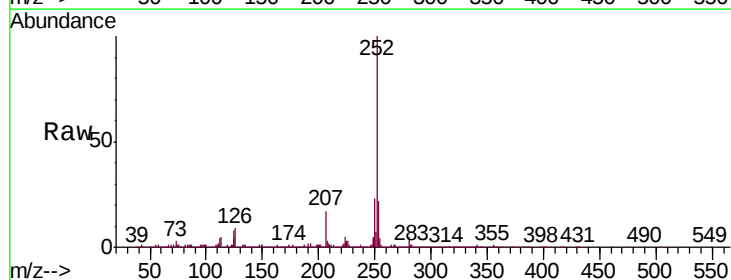
Tgt Ion:252 Resp: 1965256

Ion Ratio Lower Upper

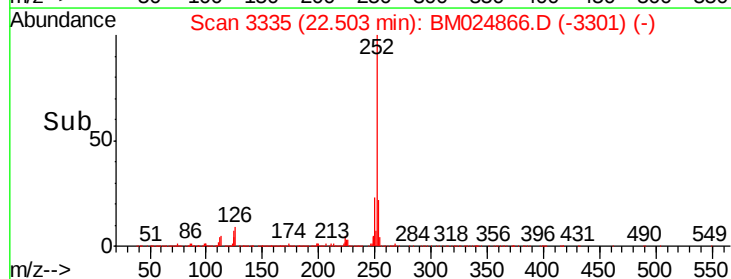
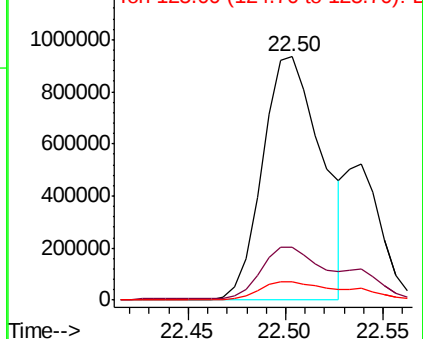
252 100

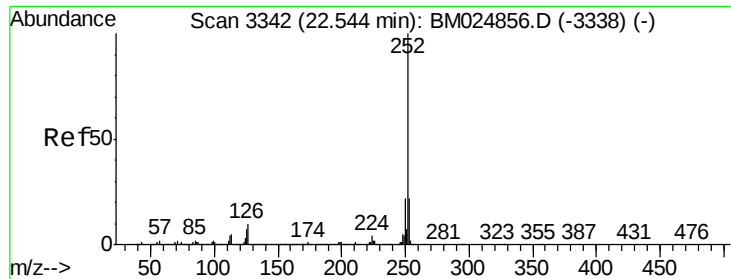
253 21.8 17.3 25.9

125 7.7 5.1 7.7#



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: 5.078 ng/ul

RT: 22.54 min Scan# 3341

Delta R.T. -0.01 min

Lab File: BM024866.D

Acq: 13 Feb 2020 21:39

Instrument :

BNA_M

ClientSampleId :

CB6N3

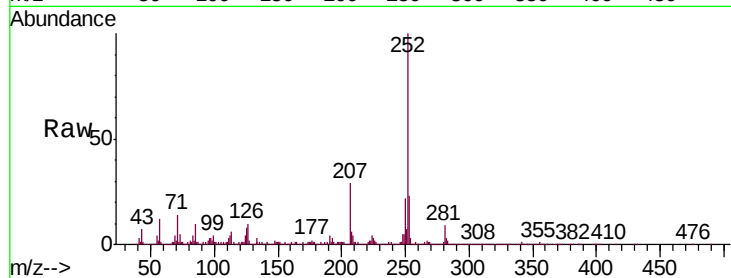
Tgt Ion:252 Resp: 642468

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 8.4 5.1 7.7#

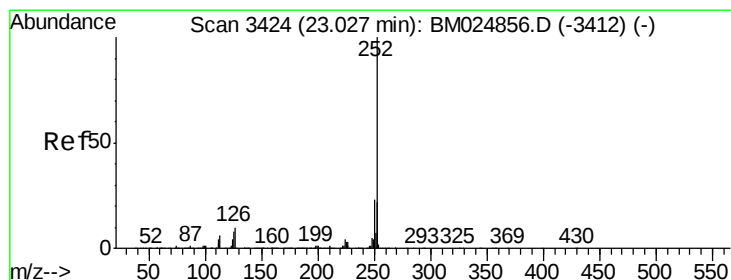
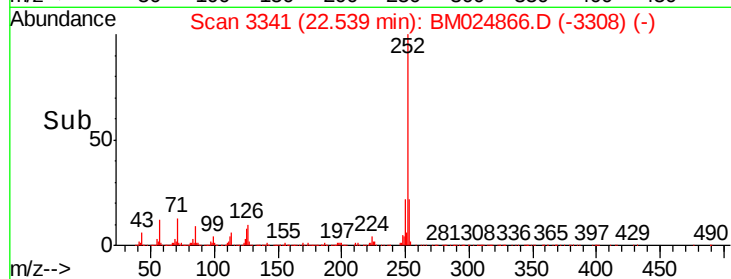
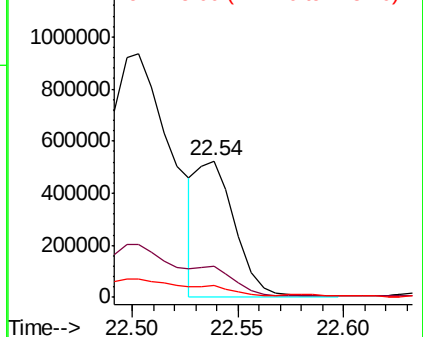


Abundance

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: 10.693 ng/ul

RT: 23.03 min Scan# 3424

Delta R.T. 0.00 min

Lab File: BM024866.D

Acq: 13 Feb 2020 21:39

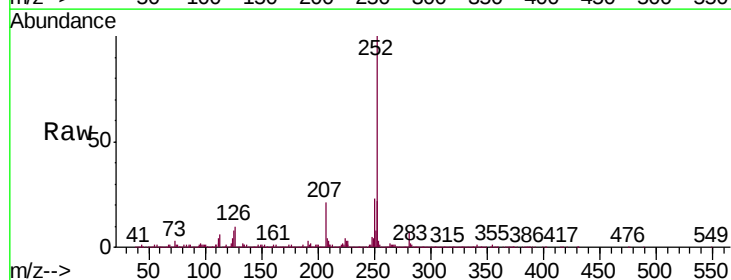
Tgt Ion:252 Resp: 1260092

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 8.0 5.6 8.4

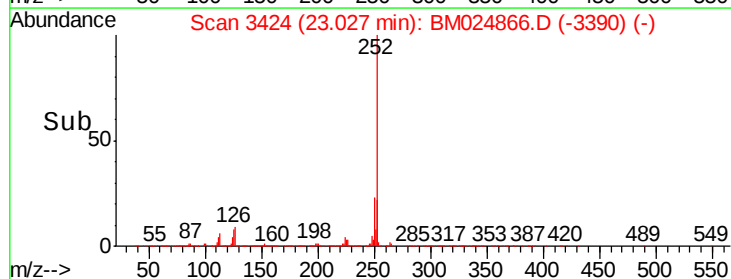
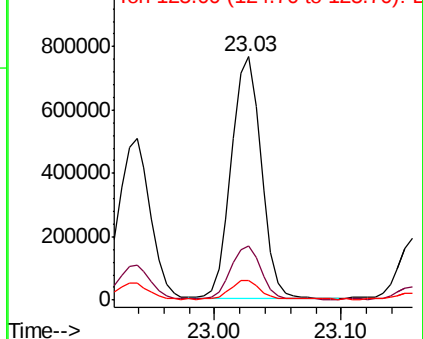


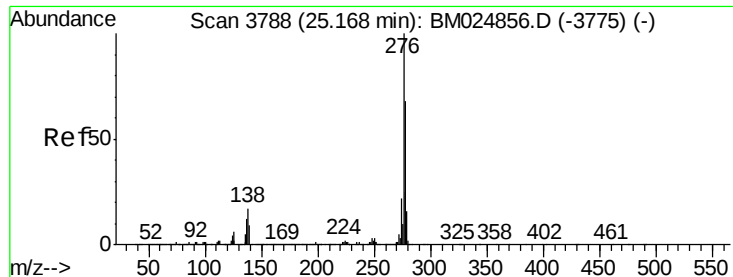
Abundance

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



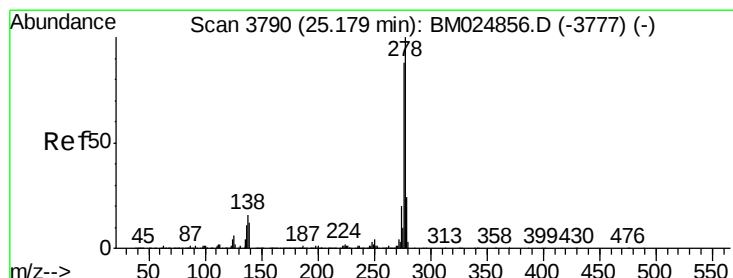
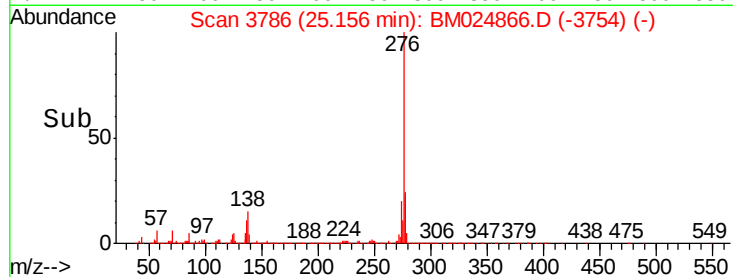
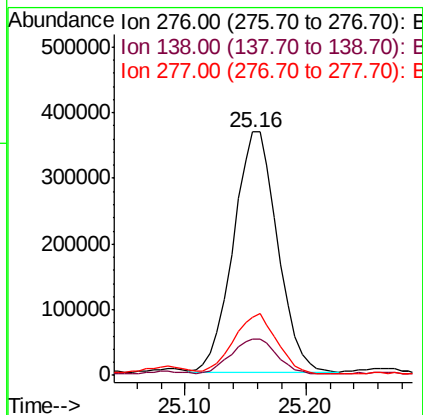
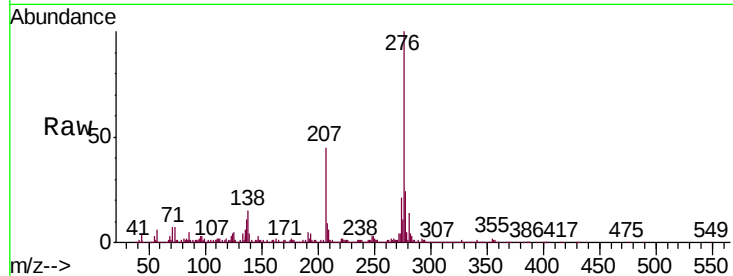


#92

Indeno(1,2,3-cd)pyrene
Concen: 6.384 ng/ul
RT: 25.16 min Scan# 3786
Delta R.T. -0.01 min
Lab File: BM024866.D
Acq: 13 Feb 2020 21:39

Instrument :
BNA_M
ClientSampleId :
CB6N3

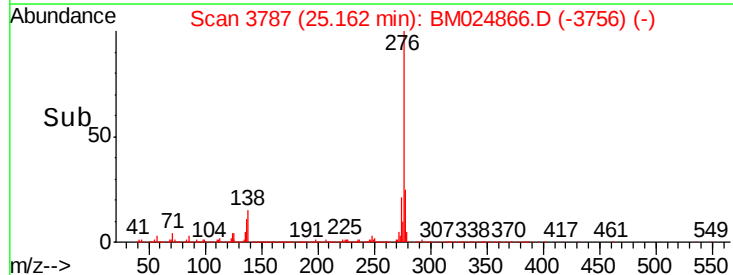
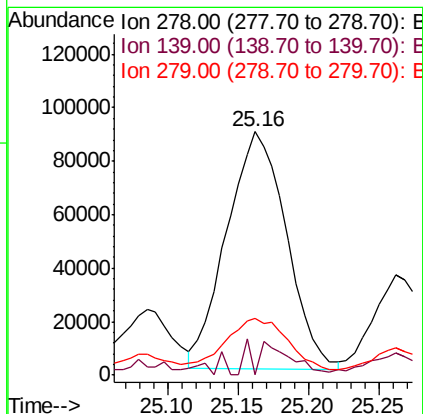
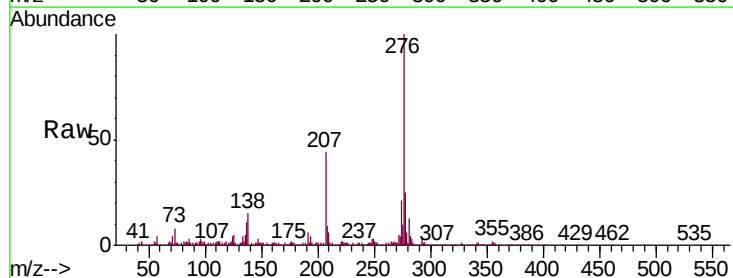
Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.9	12.8	19.2
277	24.1	19.3	28.9

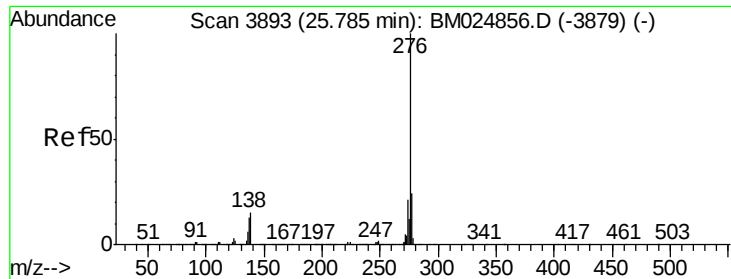


#93

Dibenzo(a,h)anthracene
Concen: 2.111 ng/ul
RT: 25.16 min Scan# 3787
Delta R.T. -0.02 min
Lab File: BM024866.D
Acq: 13 Feb 2020 21:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	8.4	12.6#
279	23.4	18.5	27.7





#94

Benzo(g,h,i)perylene

Concen: 6.566 ng/ul

RT: 25.78 min Scan# 3892

Delta R.T. -0.01 min

Lab File: BM024866.D

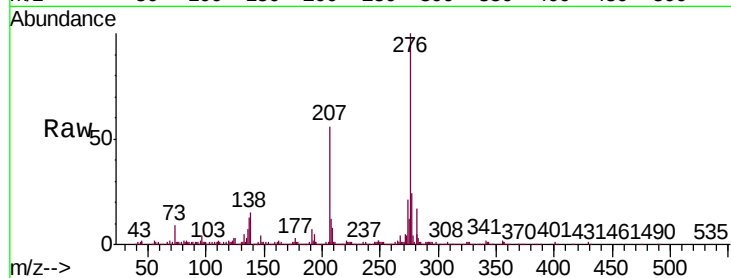
Acq: 13 Feb 2020 21:39

Instrument :

BNA_M

ClientSampleId :

CB6N3



Tgt Ion:	276	Resp:	801245
Ion	Ratio	Lower	Upper
276	100		
138	14.7	11.8	17.6
277	23.6	19.0	28.6

