

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021320\
 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 06:48:32 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

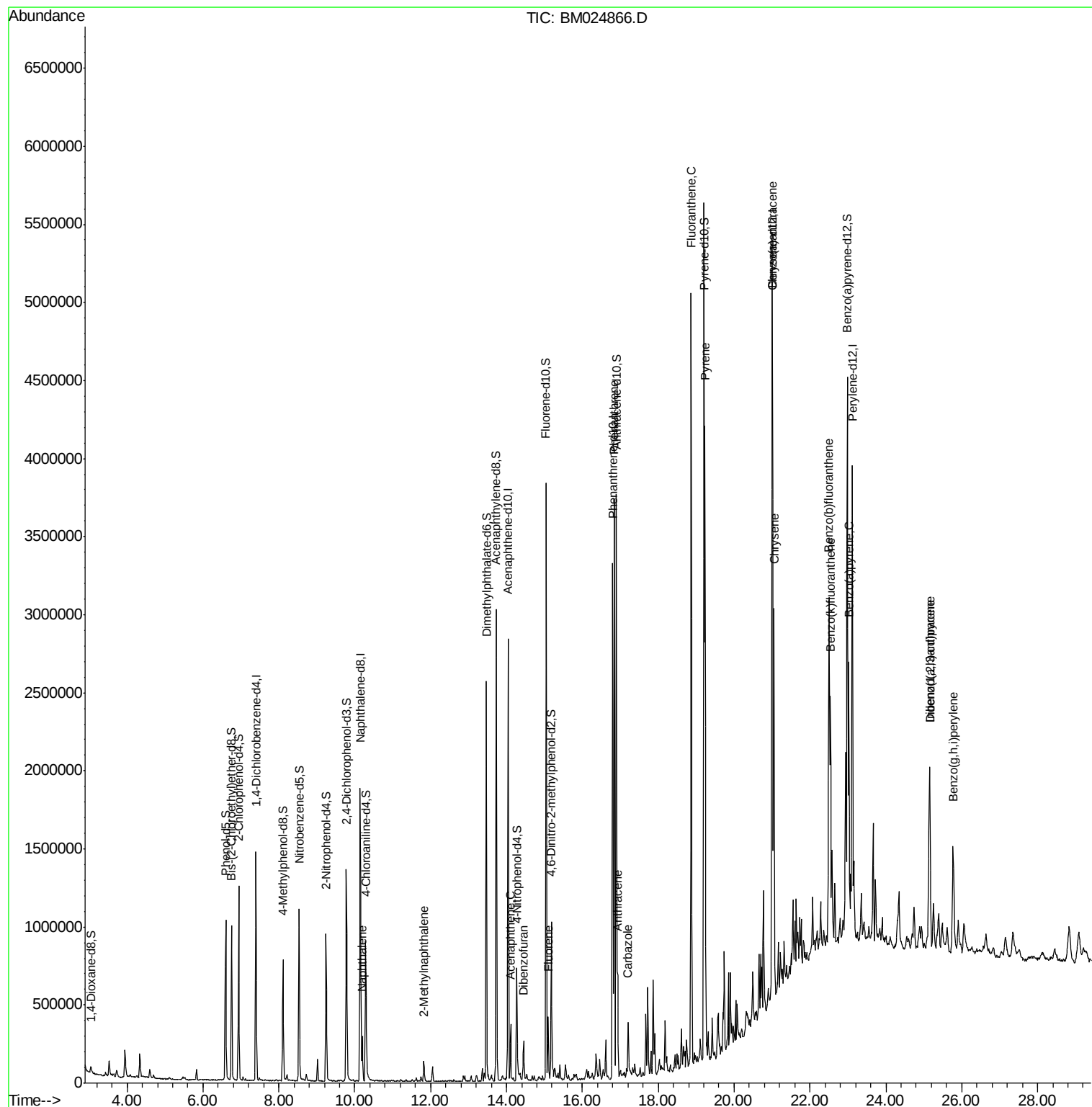
					Ovalue	
28) Naphthalene	10.20	128	238278	2.910	ng/ul	98
34) 2-Methylnaphthalene	11.83	142	66266	1.099	ng/ul	99
50) Acenaphthene	14.10	153	146188	2.441	ng/ul	97
54) Dibenzofuran	14.45	168	156932	1.758	ng/ul	99
59) Fluorene	15.10	166	166016	2.257	ng/ul	94
70) Phenanthrene	16.84	178	2246532	20.723	ng/ul	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

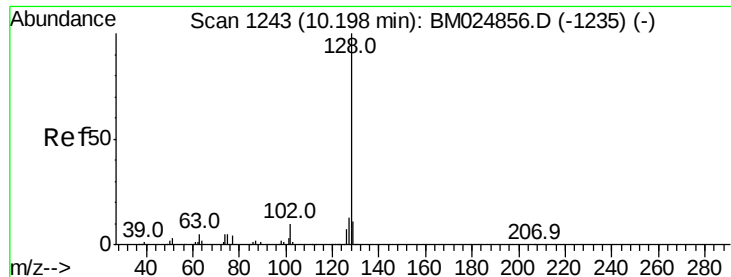
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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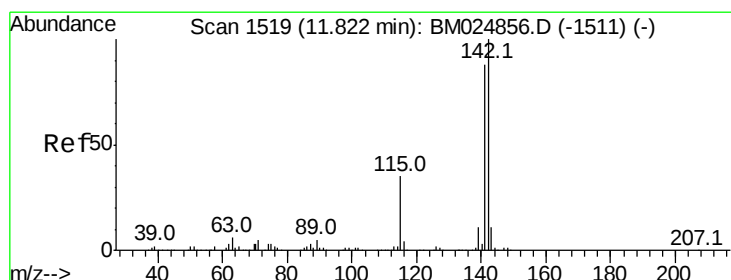
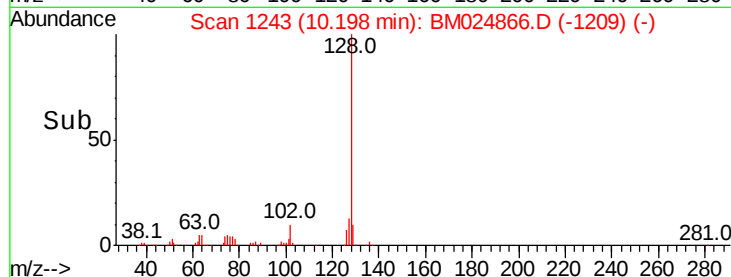
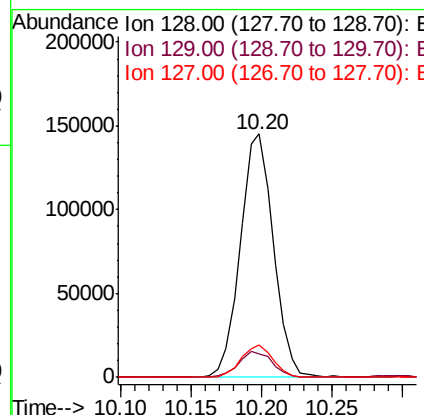
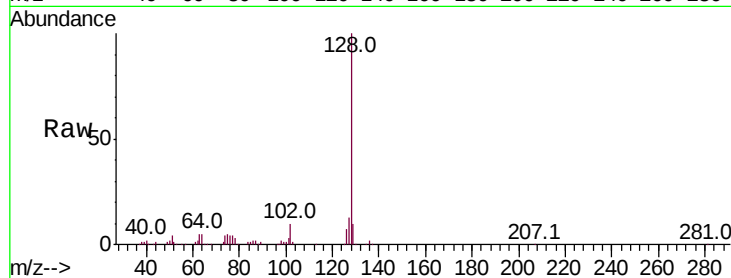




#28
Naphthalene
Concen: 2.910 ng/ul
RT: 10.20 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BM024866.D
Acq: 13 Feb 2020 21:39

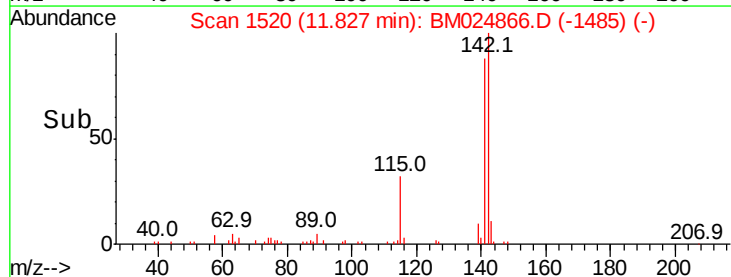
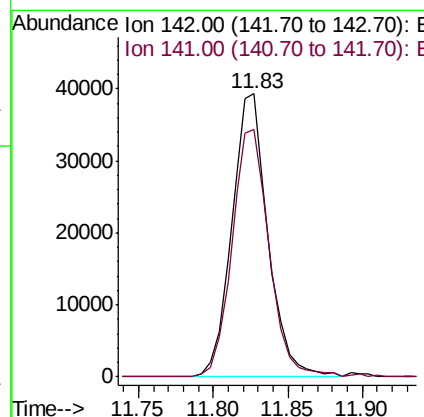
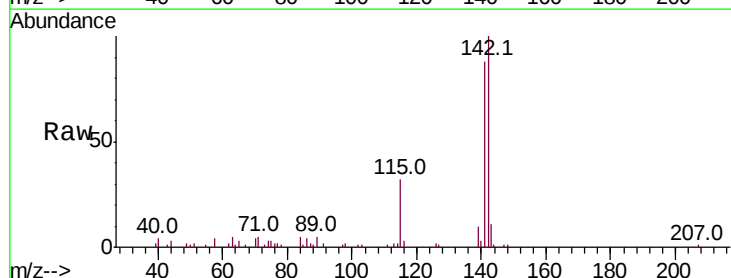
Instrument :
BNA_M
ClientSampleId :
CB6N3

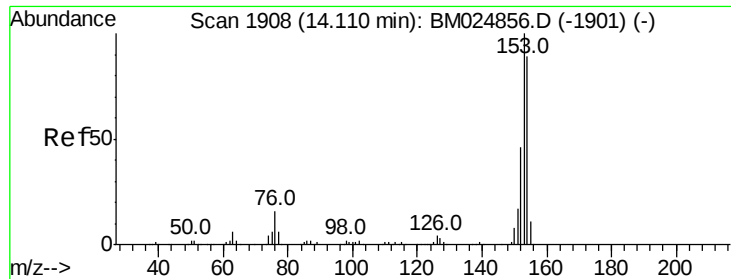
Tot Ion:128 Resp: 238278
Ion Ratio Lower Upper
128 100
129 9.7 9.1 13.7
127 13.1 10.4 15.6



#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

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

Instrument :

BNA_M

ClientSampleId :

CB6N3

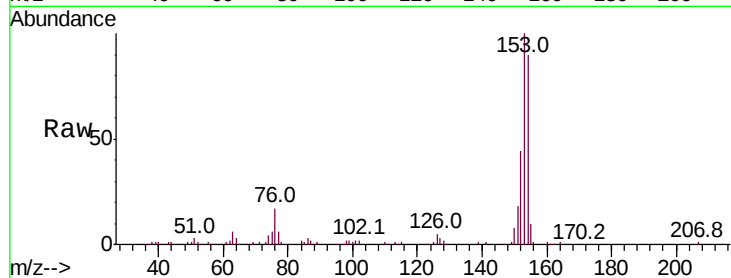
Tot Ion:153 Resp: 146188

Ion Ratio Lower Upper

153 100

152 44.1 37.3 55.9

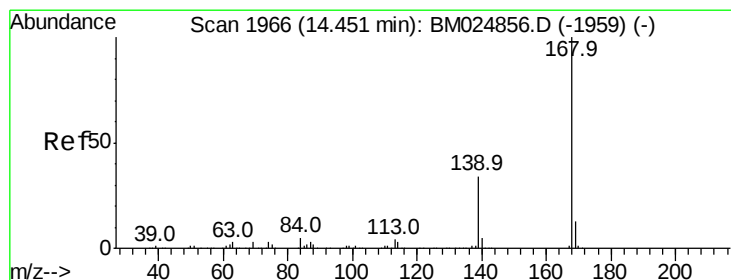
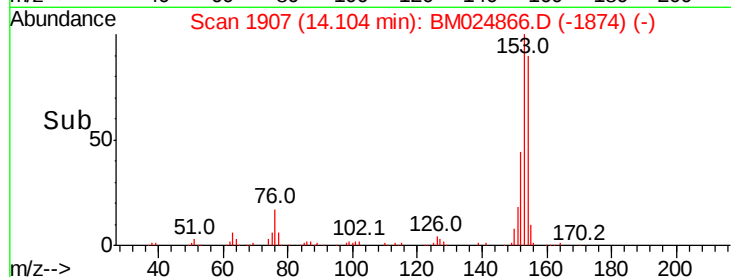
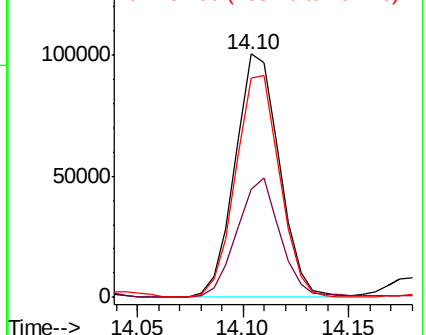
154 89.8 74.1 111.1



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

Dibenzofuran

Concen: 1.758 ng/ul

RT: 14.45 min Scan# 1966

Delta R.T. 0.00 min

Lab File: BM024866.D

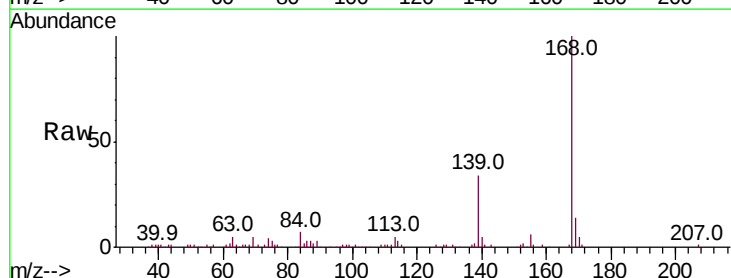
Acq: 13 Feb 2020 21:39

Tgt Ion:168 Resp: 156932

Ion Ratio Lower Upper

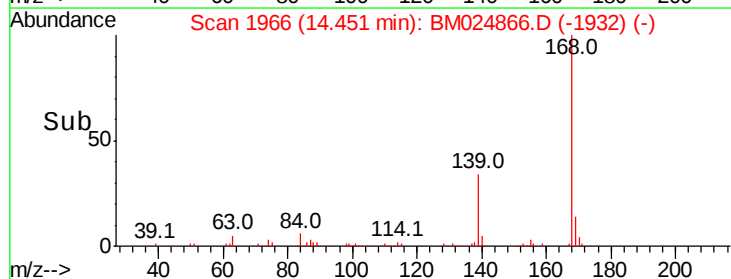
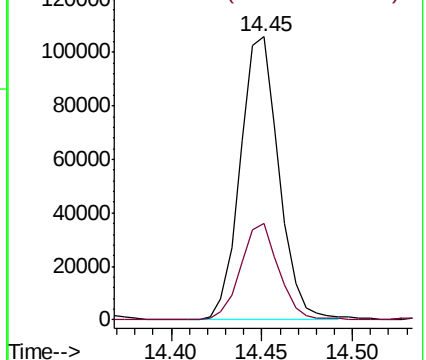
168 100

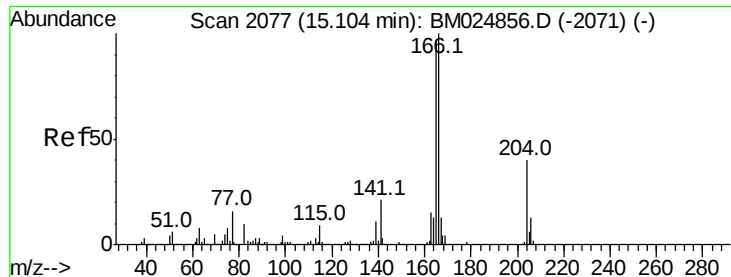
139 34.3 27.8 41.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#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

Instrument :

BNA_M

ClientSampleId :

CB6N3

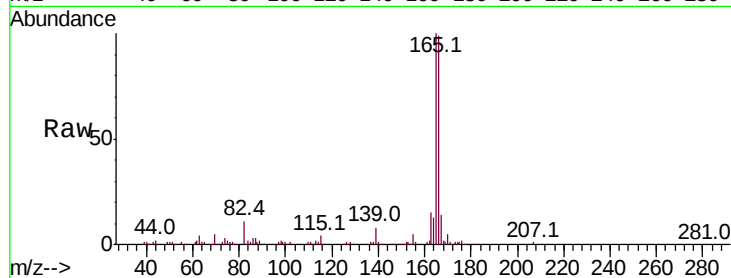
Tot Ion:166 Resp: 166016

Ion Ratio Lower Upper

166 100

165 101.0 75.8 113.8

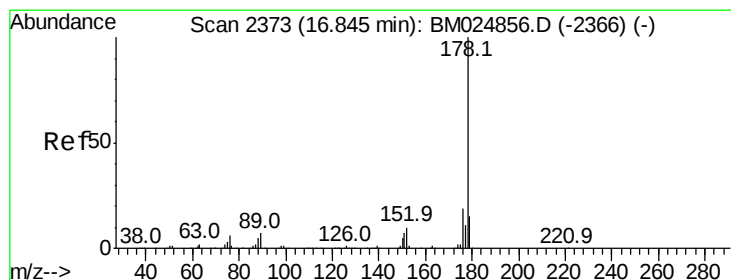
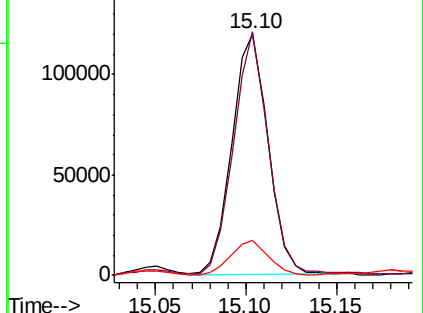
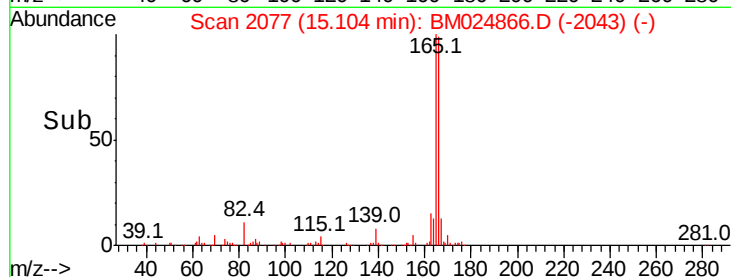
167 14.4 10.6 16.0



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: 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

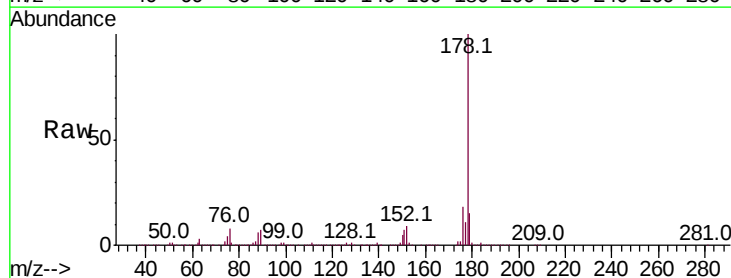
Tgt Ion:178 Resp: 2246532

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

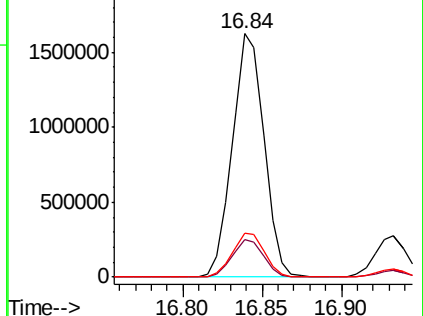
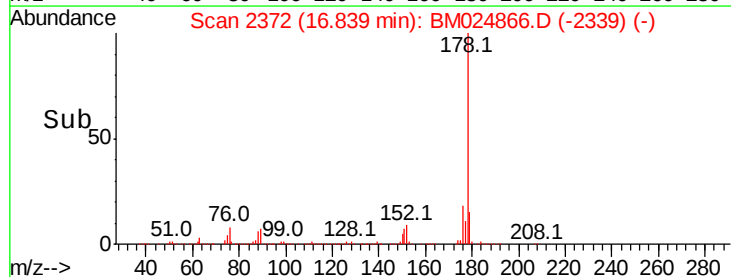
176 18.2 14.5 21.7

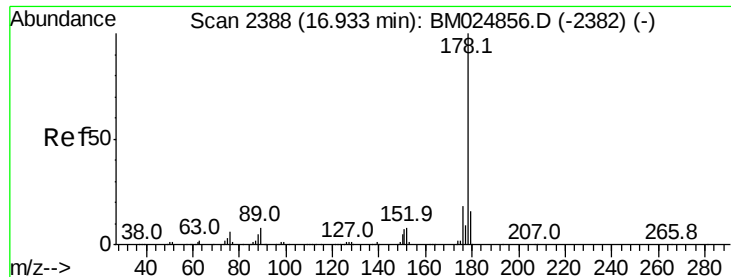


Abundance Ion 178.00 (177.70 to 178.70): E

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

Instrument :

BNA_M

ClientSampleId :

CB6N3

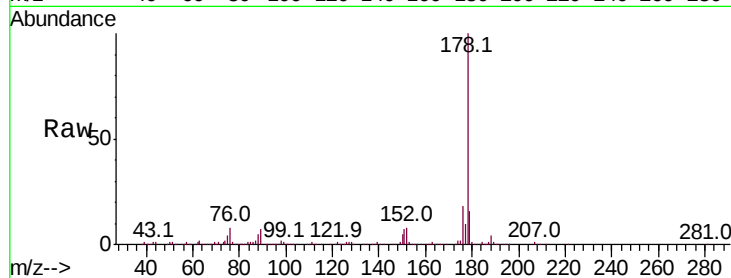
Tot Ion:178 Resp: 383580

Ion Ratio Lower Upper

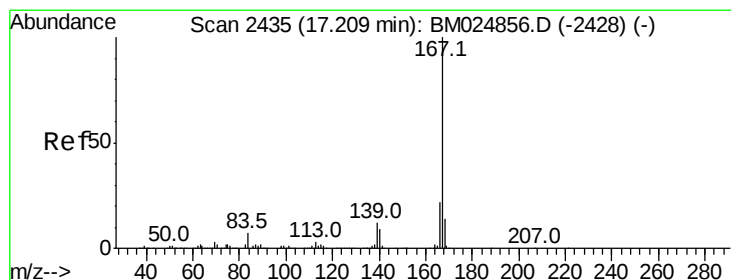
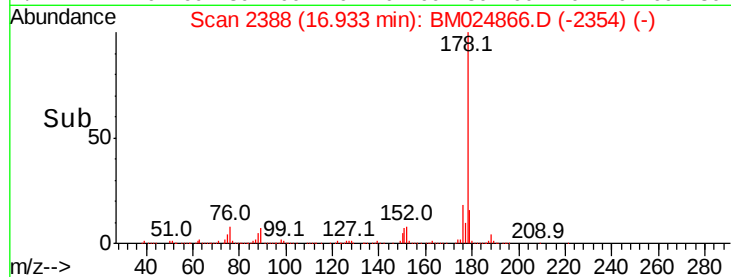
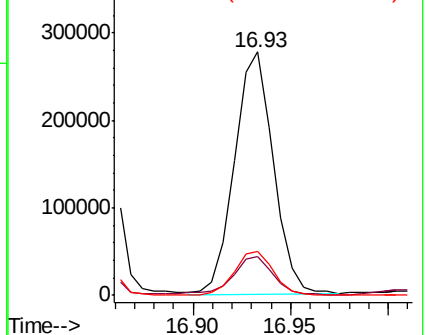
178 100

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

Acq: 13 Feb 2020 21:39

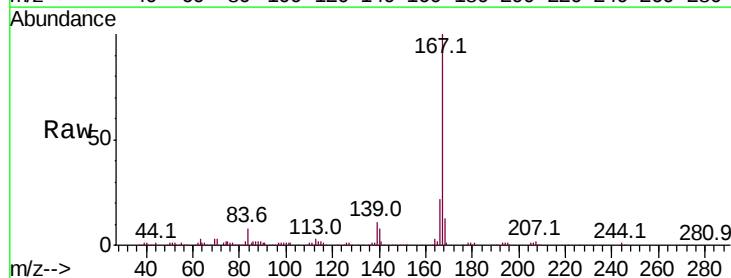
Tgt Ion:167 Resp: 229091

Ion Ratio Lower Upper

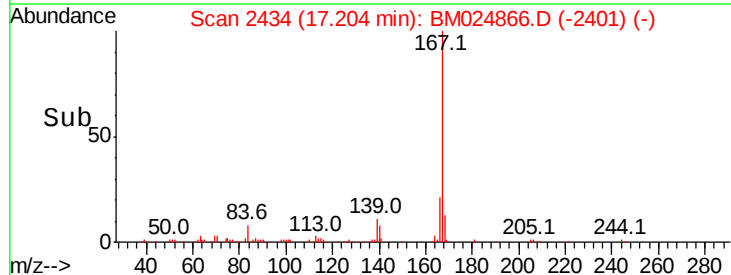
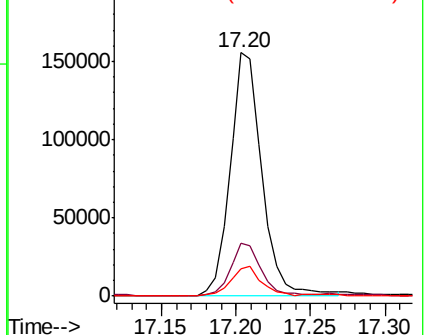
167 100

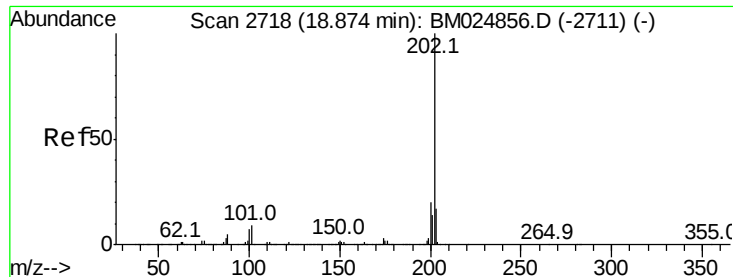
166 21.5 16.6 24.8

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

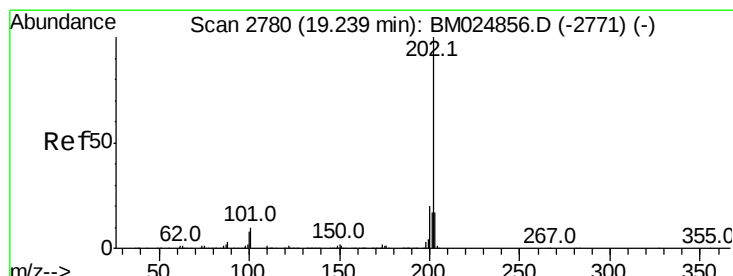
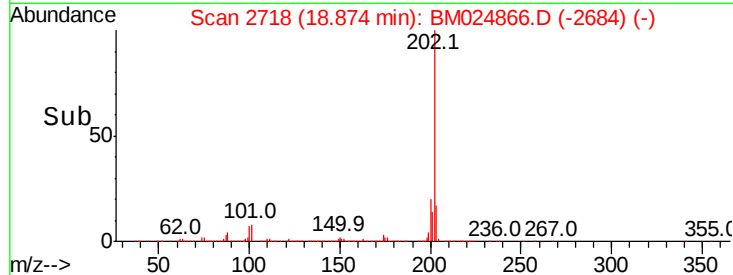
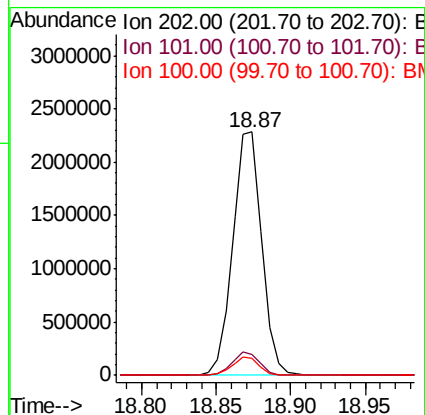
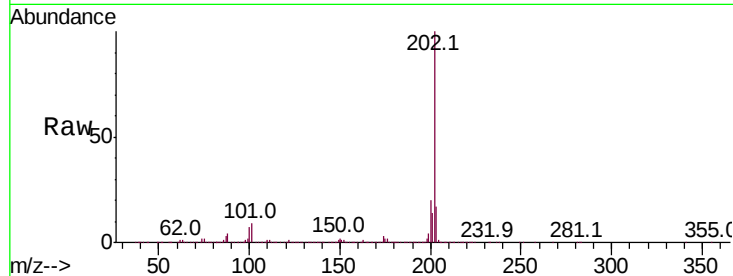




#77
 Fluoranthene
 Concen: 23.261 ng/ul
 RT: 18.87 min Scan# 2718
 Delta R.T. 0.00 min
 Lab File: BM024866.D
 Acq: 13 Feb 2020 21:39

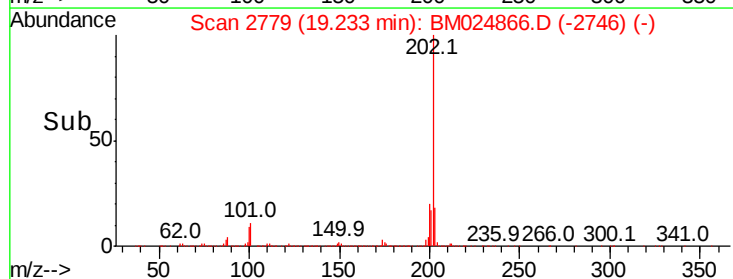
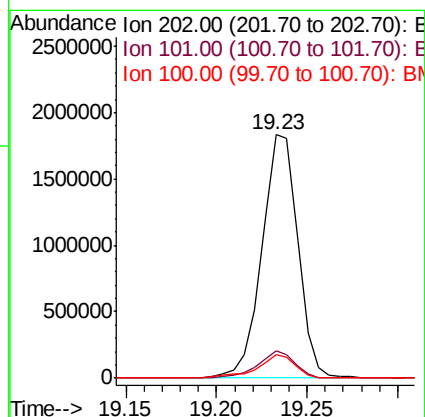
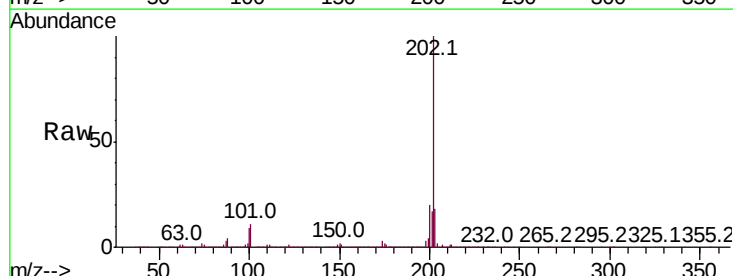
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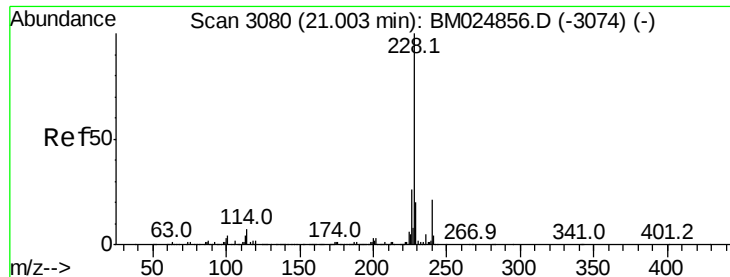
Tot Ion:202 Resp: 3095620
 Ion Ratio Lower Upper
 202 100
 101 8.5 6.1 9.1
 100 6.9 4.8 7.2



#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

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#





#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

Instrument :

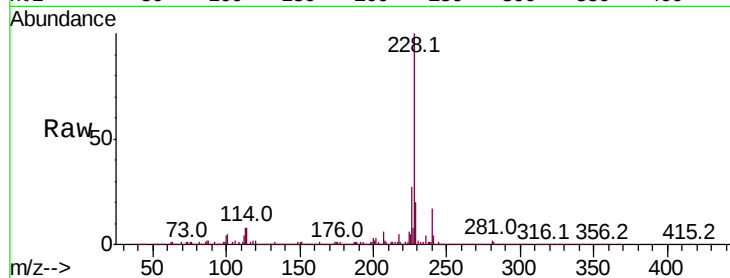
BNA_M

ClientSampleId :

CB6N3

Tot Ion:228 Resp: 1464107

Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.9	23.9
226	27.1	20.8	31.2

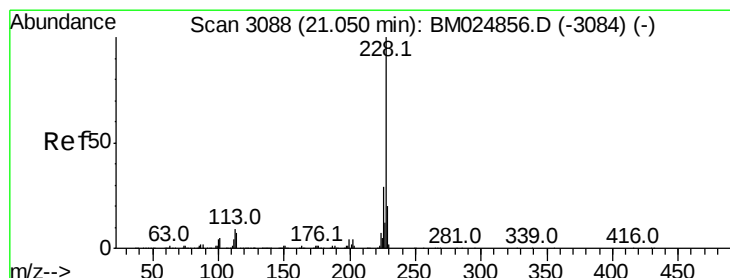
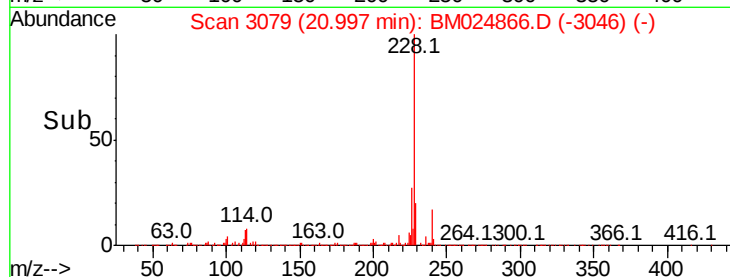
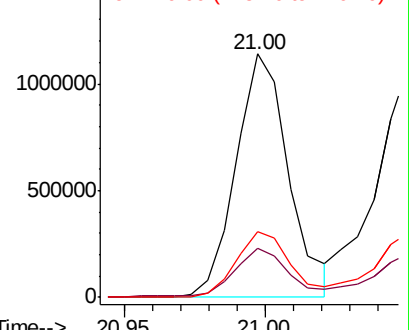


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#85

Chrysene

Concen: 10.973 ng/ul

RT: 21.05 min Scan# 3088

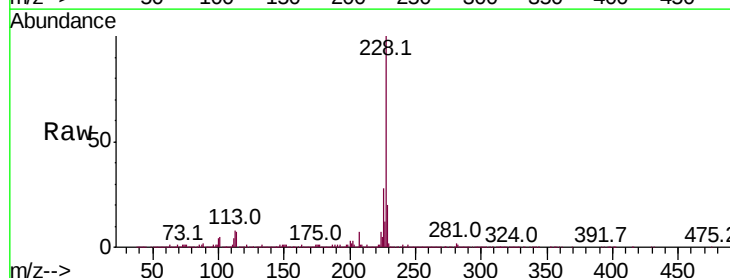
Delta R.T. 0.00 min

Lab File: BM024866.D

Acq: 13 Feb 2020 21:39

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

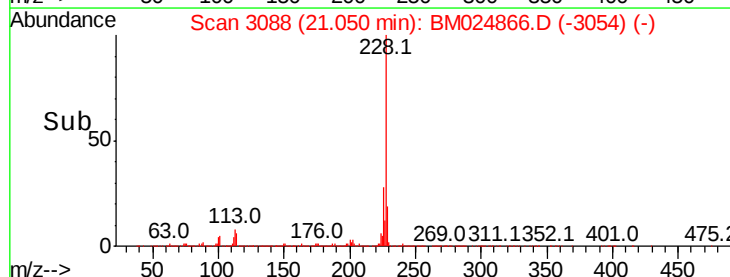
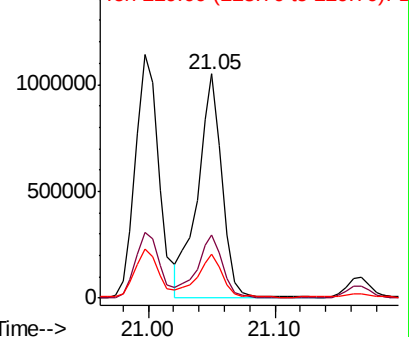


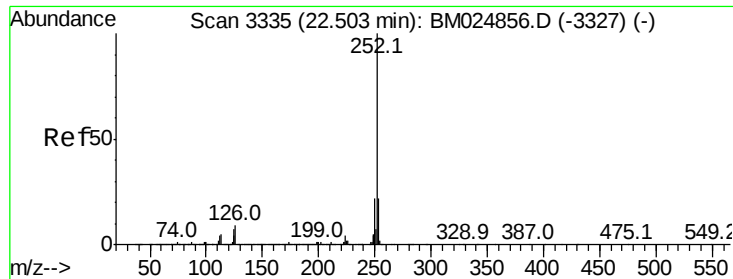
Abundance

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/ul

RT: 22.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: BM024866.D

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Instrument :

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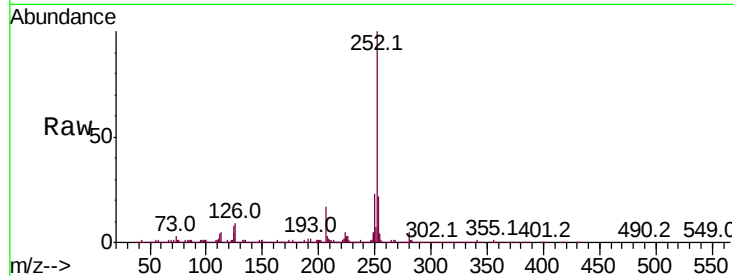
Tot Ion:252 Resp: 1965256

Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

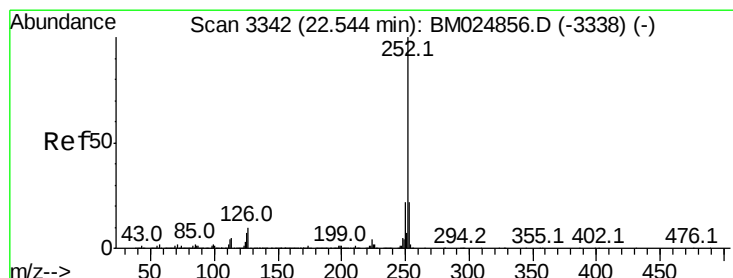
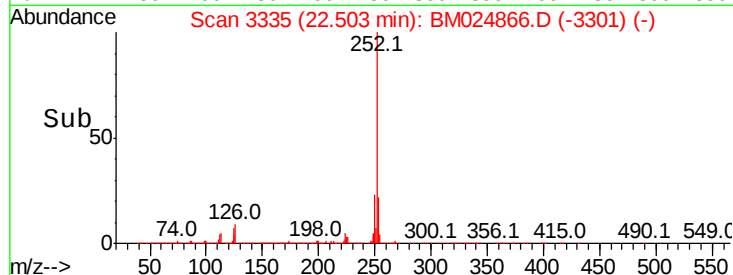
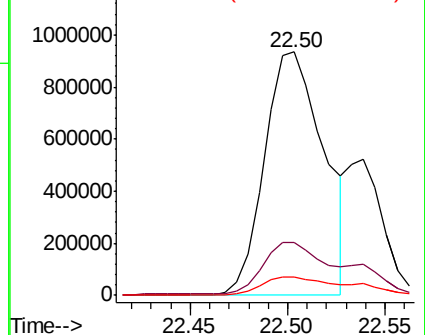
125 7.7 5.1 7.7#



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

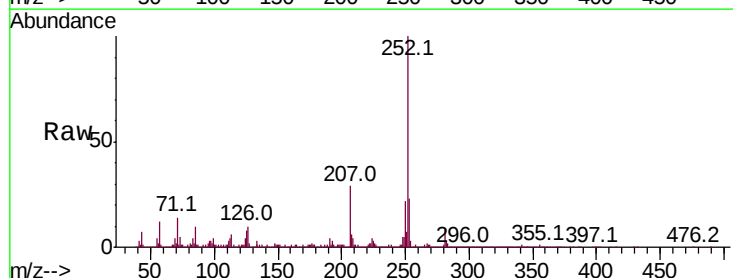
Tgt Ion:252 Resp: 642468

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

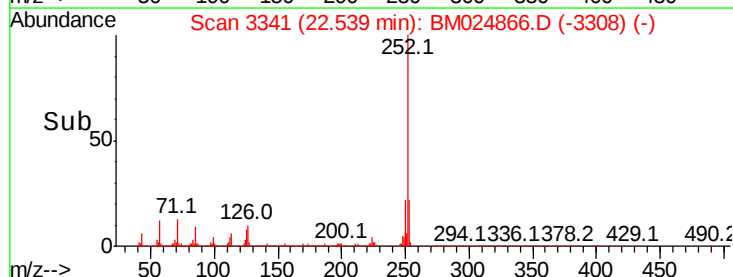
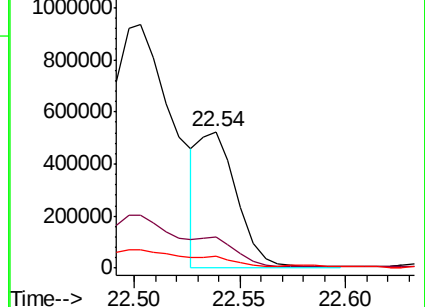
125 8.4 5.1 7.7#

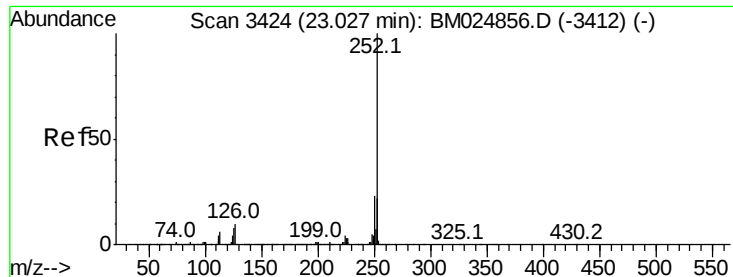


Abundance Ion 252.00 (251.70 to 252.70): E

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

Instrument :

BNA_M

ClientSampleId :

CB6N3

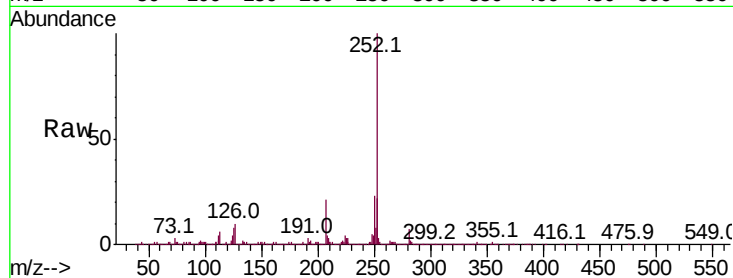
Tot Ion:252 Resp: 1260092

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 8.0 5.6 8.4

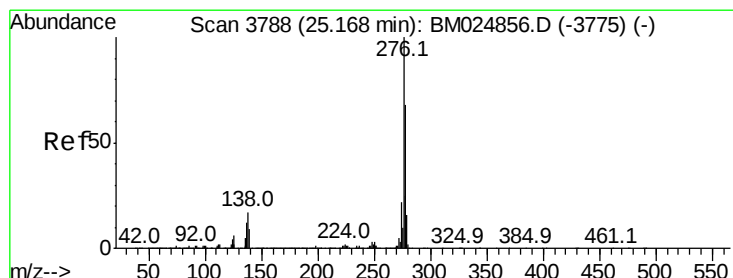
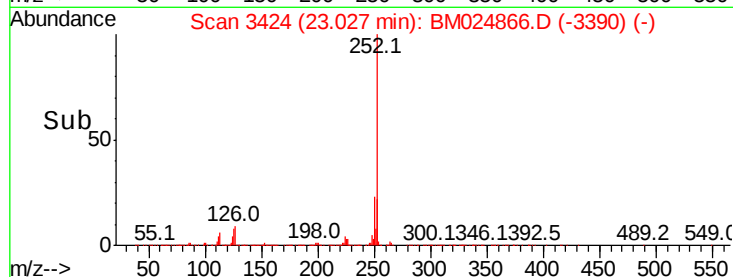
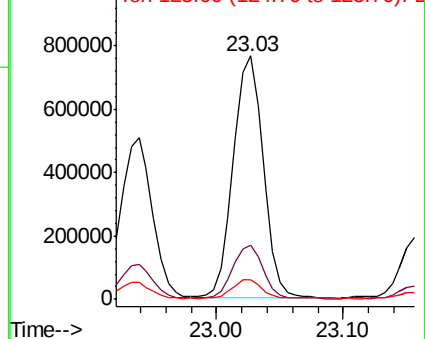


Abundance

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

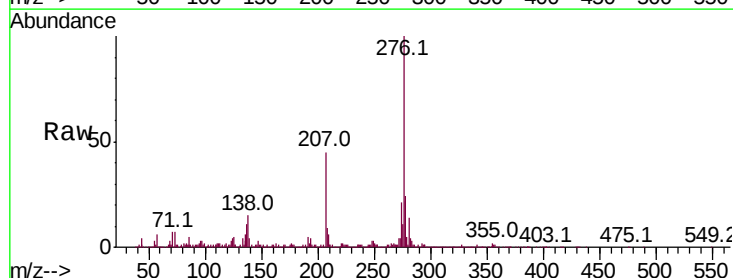
Tgt Ion:276 Resp: 936638

Ion Ratio Lower Upper

276 100

138 14.9 12.8 19.2

277 24.1 19.3 28.9

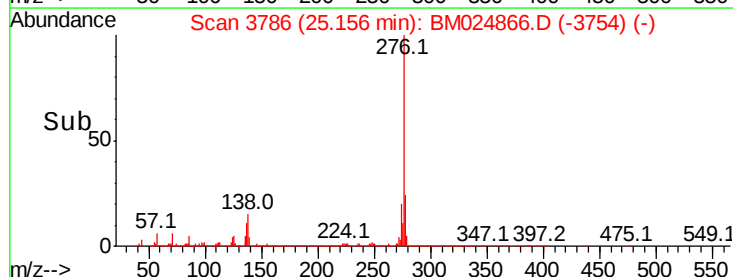
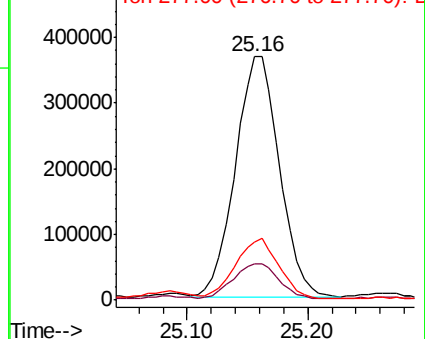


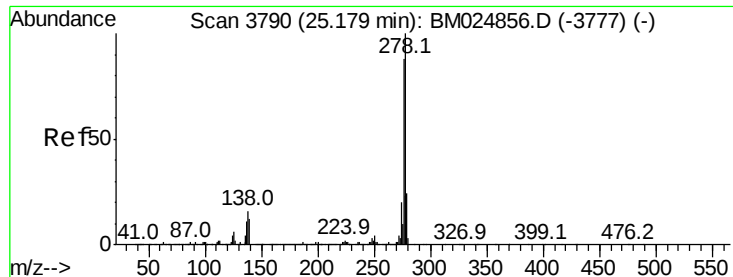
Abundance

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: 2.111 ng/ul

RT: 25.16 min Scan# 3787

Delta R.T. -0.02 min

Lab File: BM024866.D

Acq: 13 Feb 2020 21:39

Instrument :

BNA_M

ClientSampleId :

CB6N3

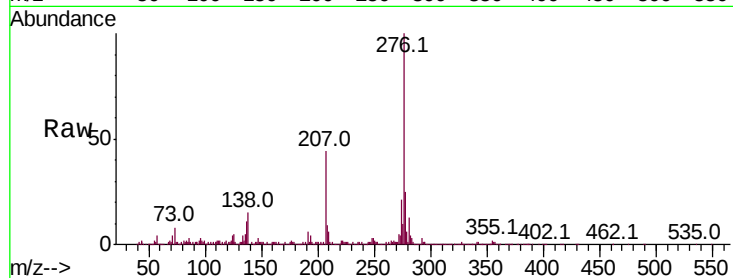
Tot Ion:278 Resp: 263832

Ion Ratio Lower Upper

278 100

139 0.0 8.4 12.6#

279 23.4 18.5 27.7

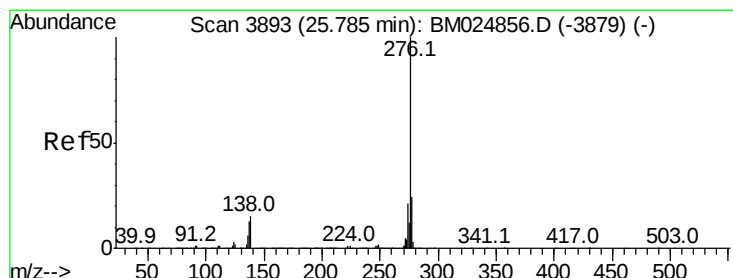
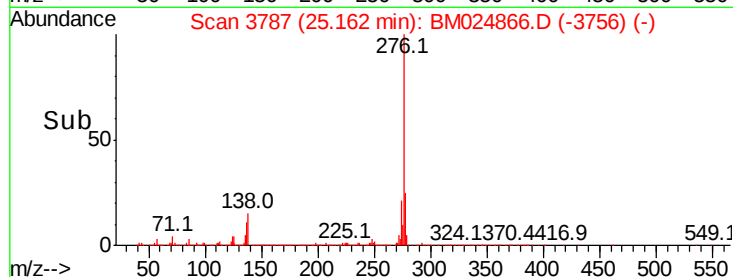
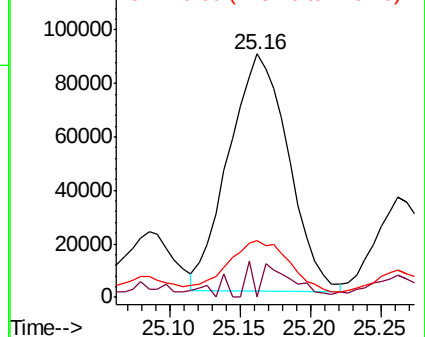


Abundance

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



#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

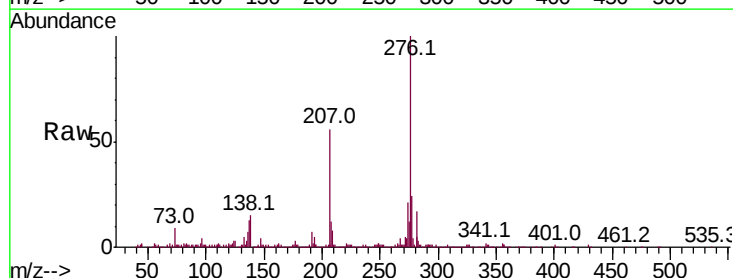
Tgt Ion:276 Resp: 801245

Ion Ratio Lower Upper

276 100

138 14.7 11.8 17.6

277 23.6 19.0 28.6



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

