

Data File : BM024864.D
Acq On : 13 Feb 2020 20:26
Operator : CG/JU
Sample : L1404-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB6N1

Quant Time: Feb 14 06:02:59 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	435580	20.00	ng/ul	0.00
18) Naphthalene-d8	10.15	136	1581105	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.04	164	954018	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.80	188	1976532	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1975809	20.00	ng/ul	0.00
86) Perylene-d12	23.11	264	2103494	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.04	96	37960	4.19	ng/uL	0.00
5) Phenol-d5	6.59	99	618635	21.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	376350	23.03	ng/ul	0.00
9) 2-Chlorophenol-d4	6.94	132	531327	20.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.11	113	476628	19.52	ng/ul	0.00
19) Nitrobenzene-d5	8.53	128	249951	21.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	285663	21.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.78	165	510570	18.74	ng/ul	0.00
29) 4-Chloroaniline-d4	10.29	131	546020	21.42	ng/ul	0.00
44) Dimethylphthalate-d6	13.47	166	1485774	20.63	ng/ul	0.00
47) Acenaphthylene-d8	13.73	160	1786947	21.25	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	192584	16.46	ng/ul	0.00
58) Fluorene-d10	15.04	176	1306532	20.49	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.18	200	207749	16.12	ng/ul	0.00
71) Anthracene-d10	16.90	188	1776421	19.69	ng/ul	0.00
79) Pyrene-d10	19.20	212	2138282	21.64	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	2300003	21.77	ng/ul	0.00

Target Compounds

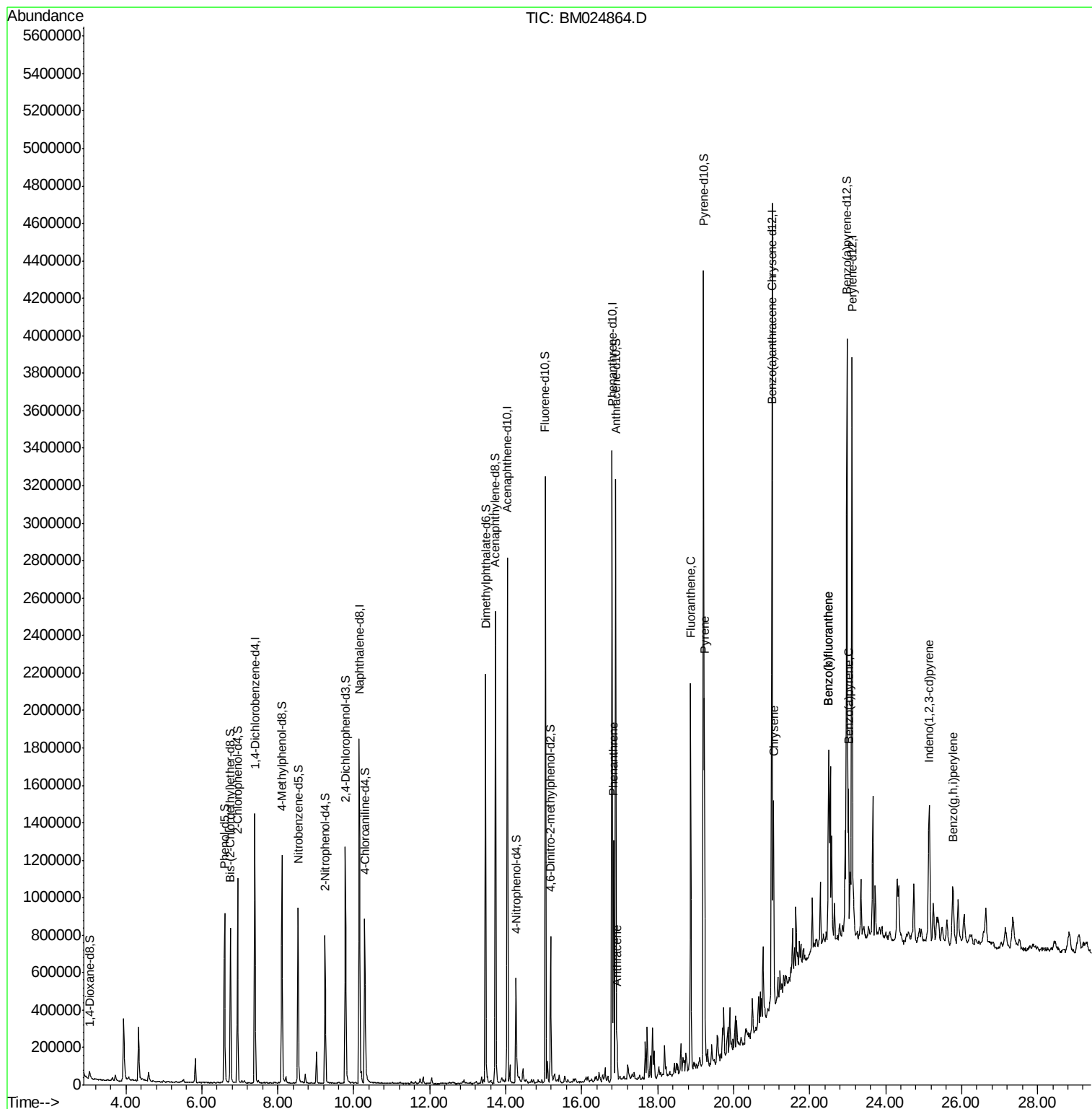
					Qvalue	
70) Phenanthrene	16.84	178	757610	7.030	ng/ul	100
72) Anthracene	16.93	178	143399	1.312	ng/ul	99
77) Fluoranthene	18.87	202	1234321	9.330	ng/ul	96
80) Pyrene	19.23	202	1131541	8.652	ng/ul#	95
83) Benzo(a)anthracene	21.00	228	652172	4.900	ng/ul	98
85) Chrysene	21.05	228	613162	4.680	ng/ul	100
88) Benzo(b)fluoranthene	22.50	252	869187	6.498	ng/ul#	98
89) Benzo(k)fluoranthene	22.50	252	869187	6.751	ng/ul#	98
91) Benzo(a)pyrene	23.02	252	559421	4.665	ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	25.16	276	416693	2.791	ng/ul	100
94) Benzo(g,h,i)perylene	25.78	276	362154	2.917	ng/ul	98

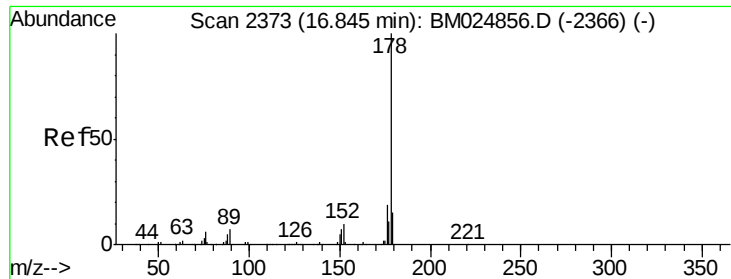
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#70

Phenanthrene

Concen: 7.030 ng/ul

RT: 16.84 min Scan# 2372

Delta R.T. -0.01 min

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ClientSampleId :

CB6N1

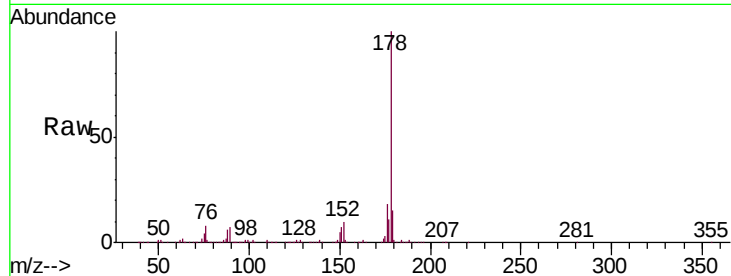
Tgt Ion:178 Resp: 757610

Ion Ratio Lower Upper

178 100

179 14.8 12.2 18.2

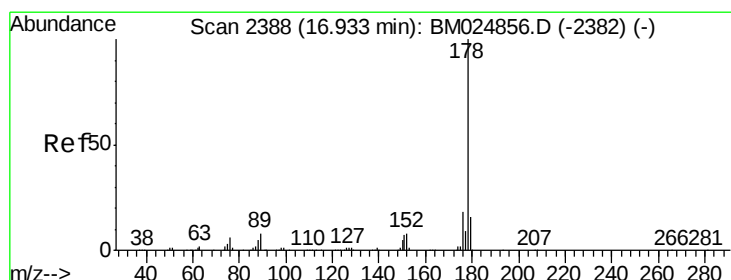
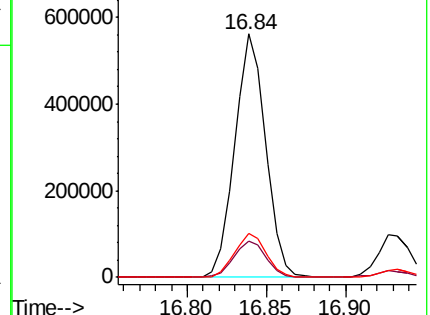
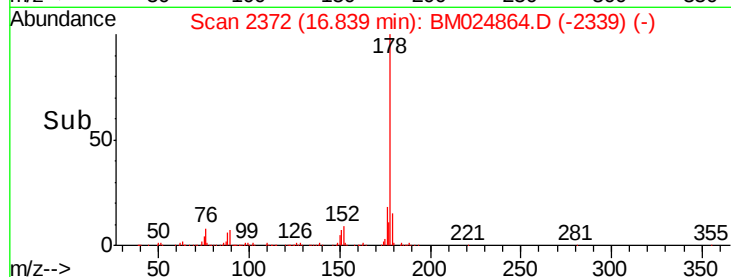
176 18.1 14.5 21.7



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: 1.312 ng/ul

RT: 16.93 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BM024864.D

Acq: 13 Feb 2020 20:26

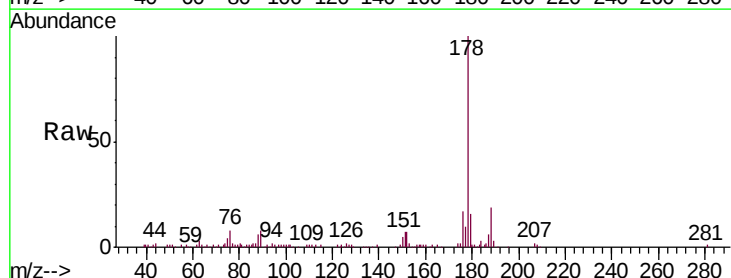
Tgt Ion:178 Resp: 143399

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

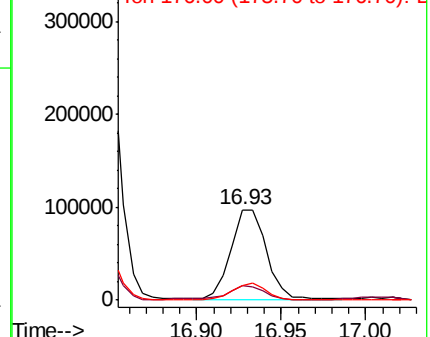
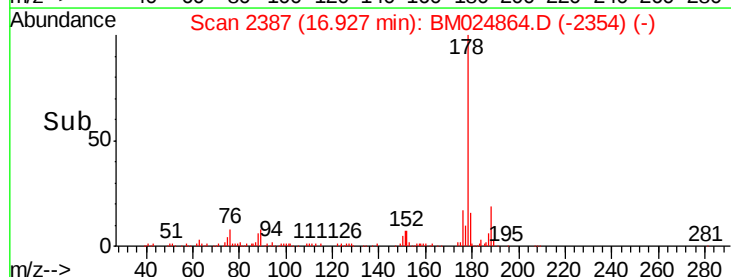
176 16.6 14.1 21.1

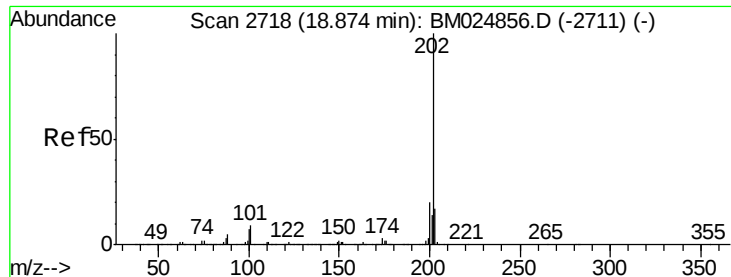


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

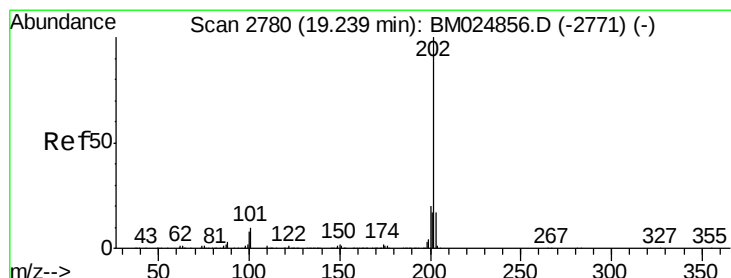
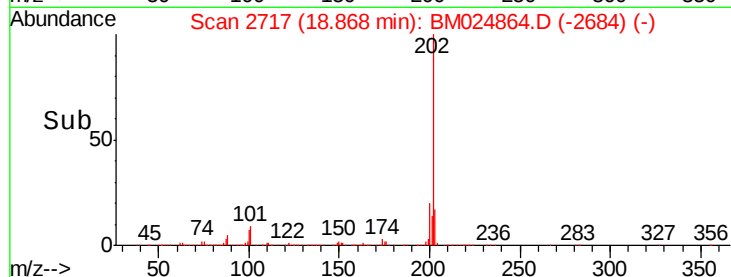
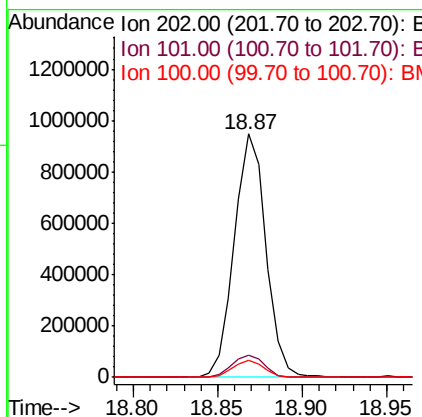
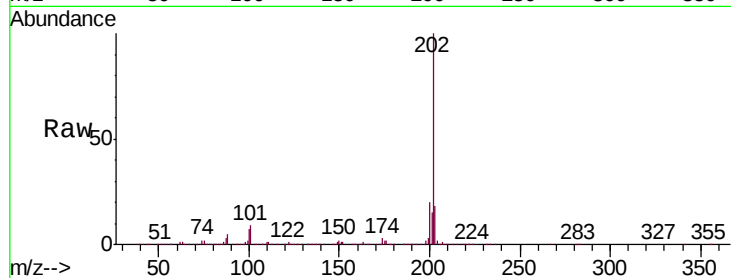




#77
 Fluoranthene
 Concen: 9.330 ng/ul
 RT: 18.87 min Scan# 2717
 Delta R.T. -0.01 min
 Lab File: BM024864.D
 Acq: 13 Feb 2020 20:26

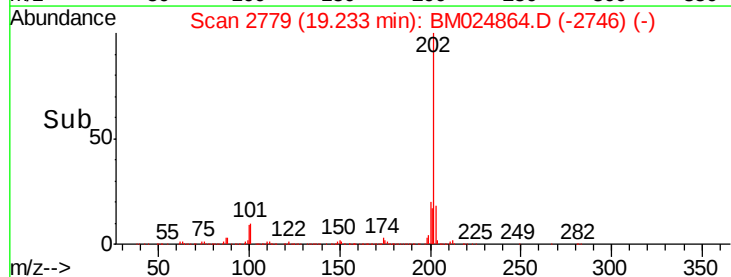
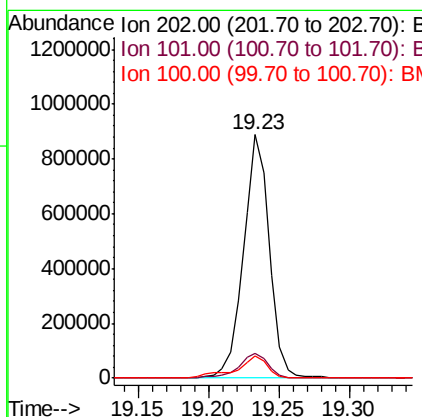
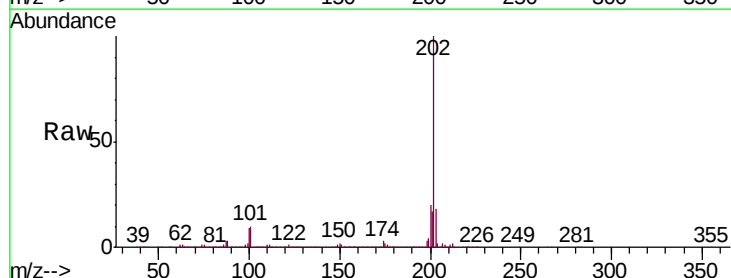
Instrument :
 BNA_M
 ClientSampleId :
 CB6N1

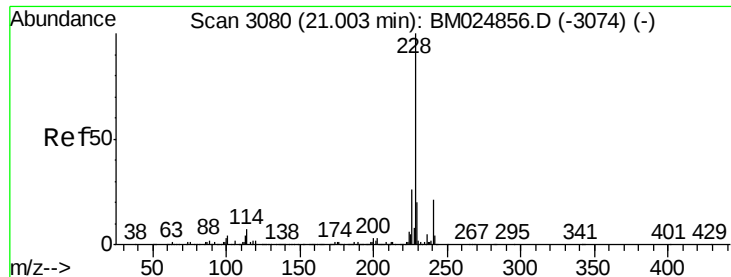
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.9	6.1	9.1
100	7.2	4.8	7.2



#80
 Pyrene
 Concen: 8.652 ng/ul
 RT: 19.23 min Scan# 2779
 Delta R.T. -0.01 min
 Lab File: BM024864.D
 Acq: 13 Feb 2020 20:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	7.0	10.4
100	9.0	5.8	8.8#





#83

Benzo(a)anthracene

Concen: 4.900 ng/ul

RT: 21.00 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BM024864.D

Acq: 13 Feb 2020 20:26

Instrument :

BNA_M

ClientSampleId :

CB6N1

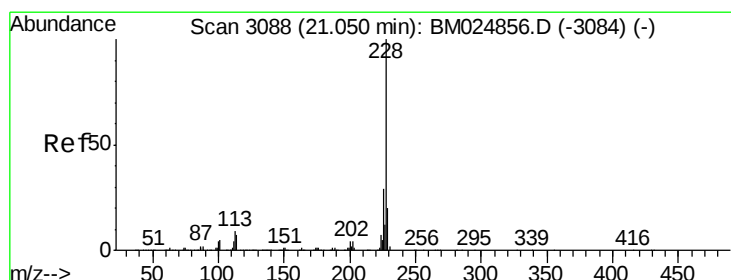
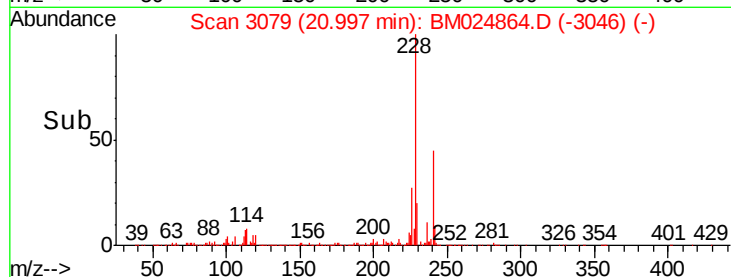
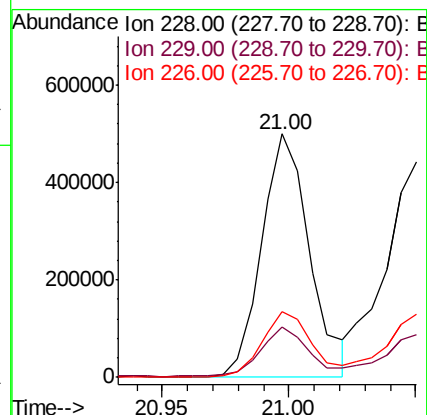
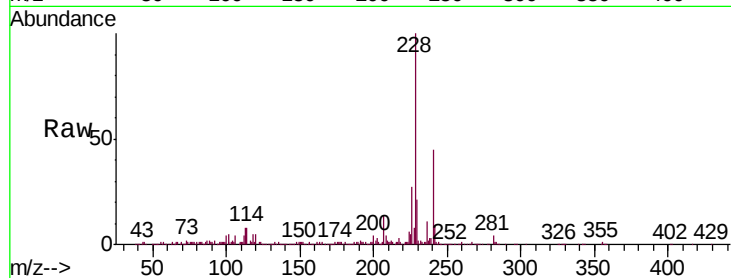
Tgt Ion:228 Resp: 652172

Ion Ratio Lower Upper

228 100

229 20.6 15.9 23.9

226 27.2 20.8 31.2



#85

Chrysene

Concen: 4.680 ng/ul

RT: 21.05 min Scan# 3088

Delta R.T. 0.00 min

Lab File: BM024864.D

Acq: 13 Feb 2020 20:26

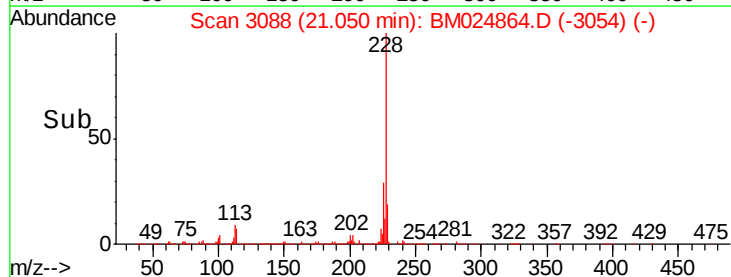
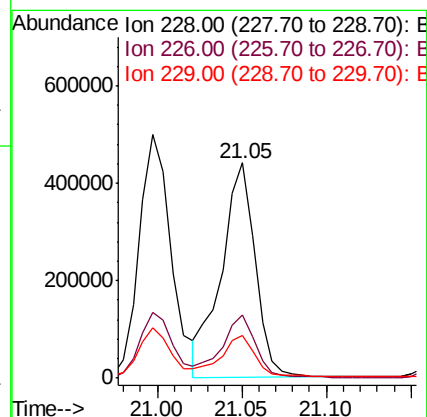
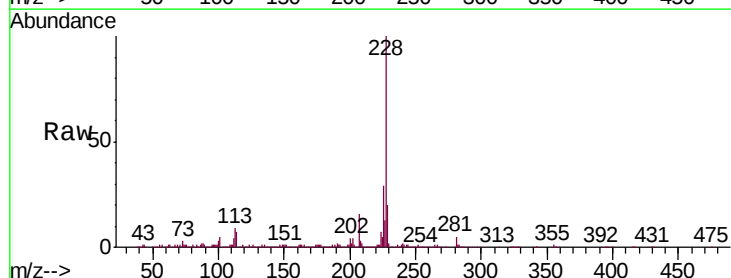
Tgt Ion:228 Resp: 613162

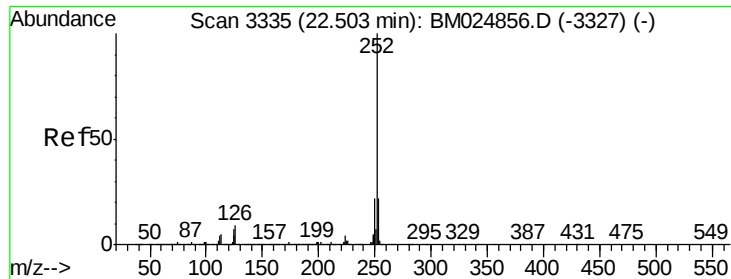
Ion Ratio Lower Upper

228 100

226 29.0 23.0 34.4

229 19.8 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 6.498 ng/ul

RT: 22.50 min Scan# 3334

Delta R.T. -0.01 min

Lab File: BM024864.D

Acq: 13 Feb 2020 20:26

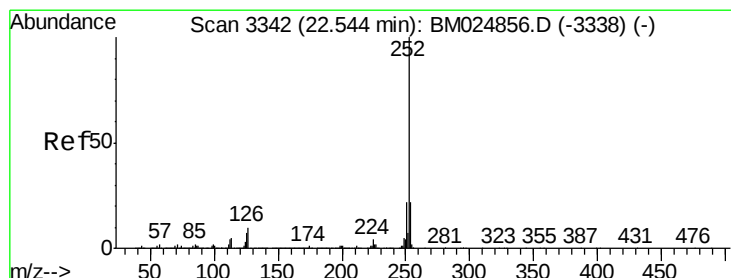
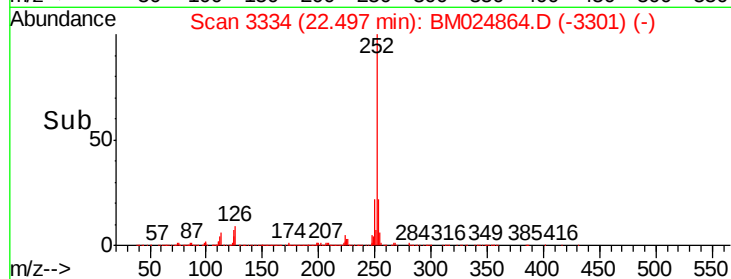
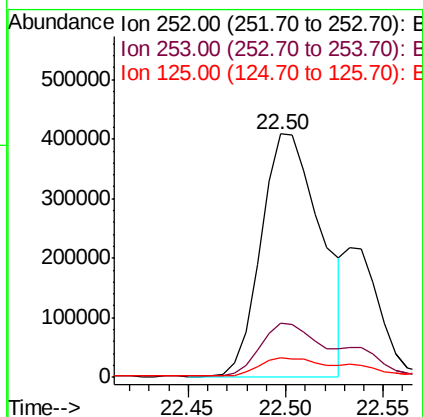
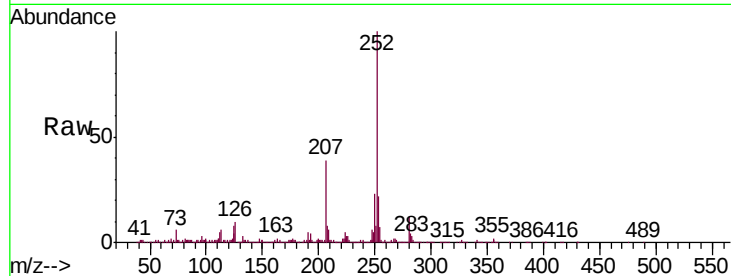
Instrument :

BNA_M

ClientSampleId :

CB6N1

Tgt Ion:	252	Resp:	869187
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.3	25.9
125	7.9	5.1	7.7#



#89

Benzo(k)fluoranthene

Concen: 6.751 ng/ul

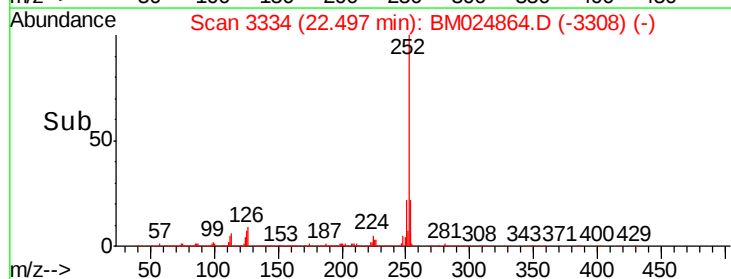
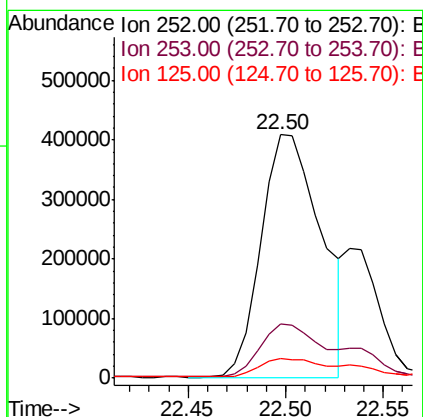
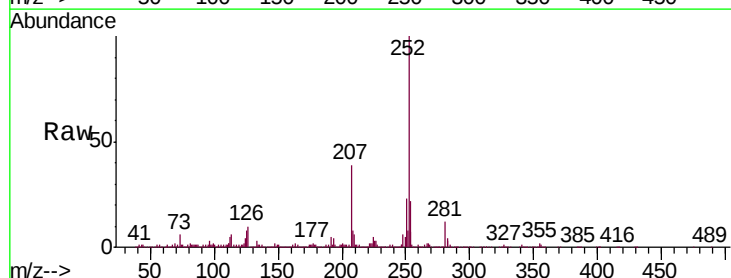
RT: 22.50 min Scan# 3334

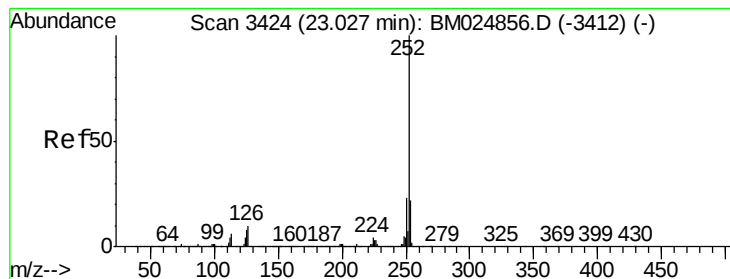
Delta R.T. -0.05 min

Lab File: BM024864.D

Acq: 13 Feb 2020 20:26

Tgt Ion:	252	Resp:	869187
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.4	26.0
125	7.9	5.1	7.7#





#91

Benzo(a)pyrene

Concen: 4.665 ng/ul

RT: 23.02 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BM024864.D

Acq: 13 Feb 2020 20:26

Instrument :

BNA_M

ClientSampleId :

CB6N1

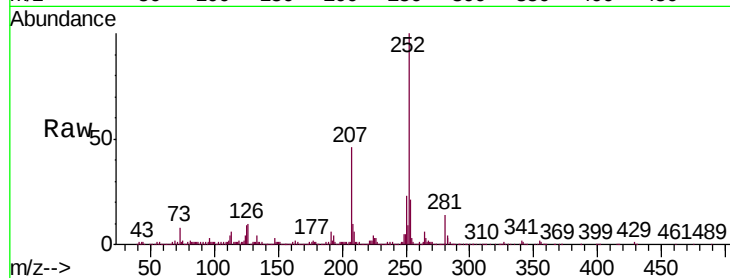
Tgt Ion:252 Resp: 559421

Ion Ratio Lower Upper

252 100

253 21.2 17.5 26.3

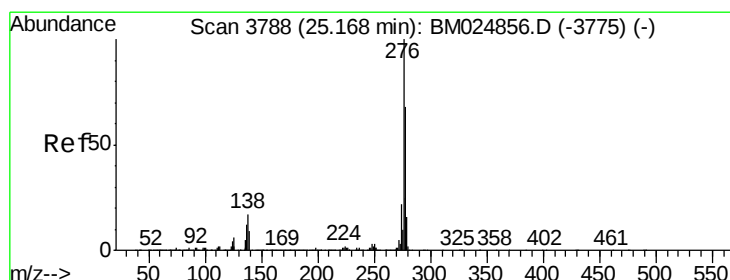
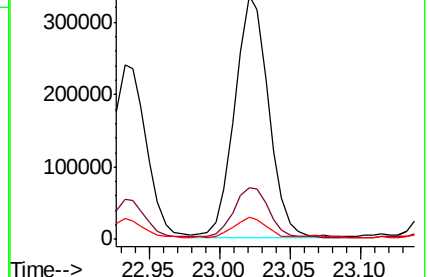
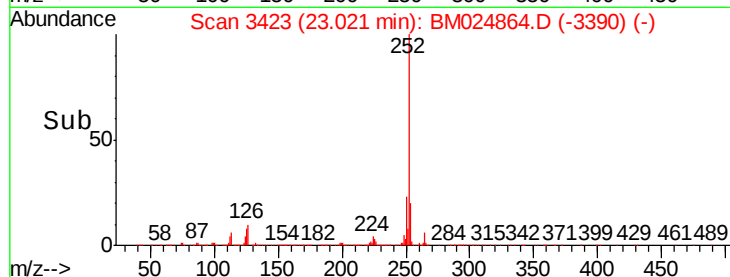
125 9.0 5.6 8.4#



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: 2.791 ng/ul

RT: 25.16 min Scan# 3786

Delta R.T. -0.01 min

Lab File: BM024864.D

Acq: 13 Feb 2020 20:26

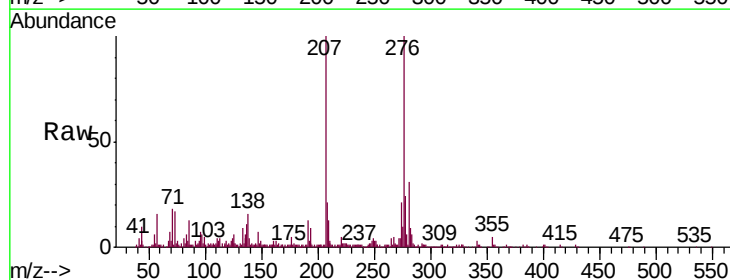
Tgt Ion:276 Resp: 416693

Ion Ratio Lower Upper

276 100

138 16.2 12.8 19.2

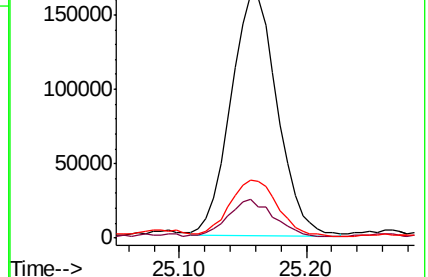
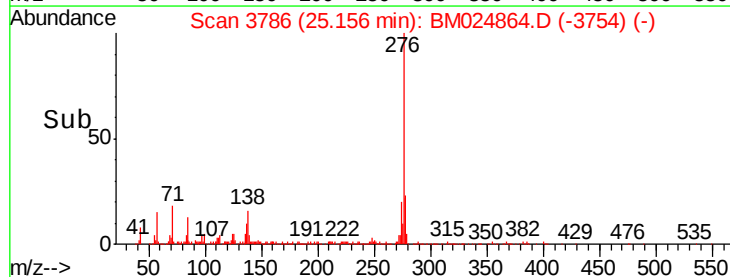
277 23.9 19.3 28.9

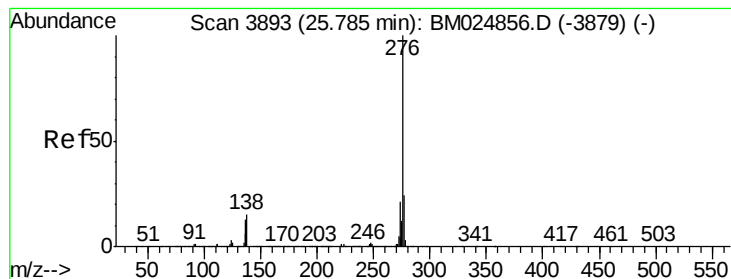


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(g,h,i)perylene

Concen: 2.917 ng/ul

RT: 25.78 min Scan# 3892

Delta R.T. -0.01 min

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Instrument :

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Tgt Ion: 276 Resp: 362154

Ion Ratio Lower Upper

276 100

138 16.1 11.8 17.6

277 24.2 19.0 28.6

