

Data File : BM024867.D
Acq On : 13 Feb 2020 22:15
Operator : CG/JU
Sample : L1404-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB6N4

Quant Time: Feb 14 06:03:36 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	435016	20.00	ng/ul	0.00
18) Naphthalene-d8	10.15	136	1584259	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.05	164	954661	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.80	188	1949432	20.00	ng/ul	0.00
78) Chrysene-d12	21.01	240	1885333	20.00	ng/ul	0.00
86) Perylene-d12	23.11	264	2017915	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	34478	3.81	ng/uL	0.00
5) Phenol-d5	6.60	99	591437	20.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	354570	21.72	ng/ul	0.00
9) 2-Chlorophenol-d4	6.94	132	497462	19.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.11	113	314003	12.88	ng/ul	0.00
19) Nitrobenzene-d5	8.53	128	236237	20.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	280776	20.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.78	165	474943	17.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.29	131	360329	14.11	ng/ul	0.00
44) Dimethylphthalate-d6	13.47	166	1457424	20.22	ng/ul	0.00
47) Acenaphthylene-d8	13.73	160	1739203	20.67	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	193509	16.53	ng/ul	0.00
58) Fluorene-d10	15.05	176	1258940	19.73	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.18	200	208849	16.44	ng/ul	0.00
71) Anthracene-d10	16.90	188	1685405	18.94	ng/ul	0.00
79) Pyrene-d10	19.20	212	2071342	21.96	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.98	264	2138769	21.10	ng/ul	0.00

Target Compounds

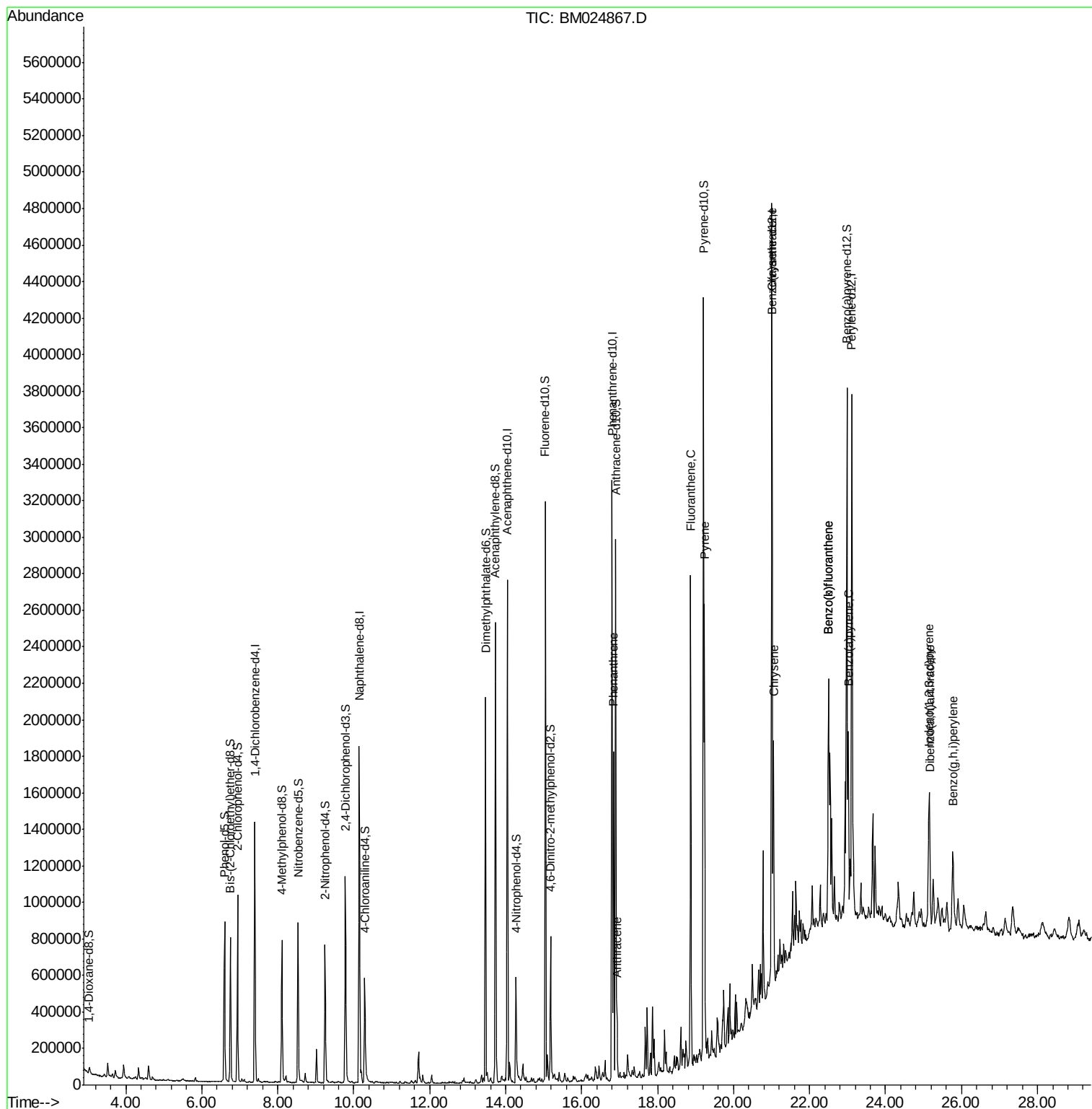
					Qvalue	
70) Phenanthrene	16.84	178	1063275	10.003	ng/ul	98
72) Anthracene	16.93	178	173495	1.609	ng/ul	99
77) Fluoranthene	18.87	202	1604431	12.296	ng/ul#	96
80) Pyrene	19.23	202	1475965	11.827	ng/ul#	95
83) Benzo(a)anthracene	21.00	228	790086	6.221	ng/ul	98
85) Chrysene	21.05	228	819341	6.553	ng/ul	99
88) Benzo(b)fluoranthene	22.50	252	1040276	8.107	ng/ul#	97
89) Benzo(k)fluoranthene	22.50	252	1040276	8.423	ng/ul#	97
91) Benzo(a)pyrene	23.02	252	709106	6.164	ng/ul#	98
92) Indeno(1,2,3-cd)pyrene	25.16	276	553793	3.867	ng/ul	99
93) Dibenzo(a,h)anthracene	25.17	278	149189	1.223	ng/ul#	91
94) Benzo(g,h,i)perylene	25.77	276	488198	4.099	ng/ul	98

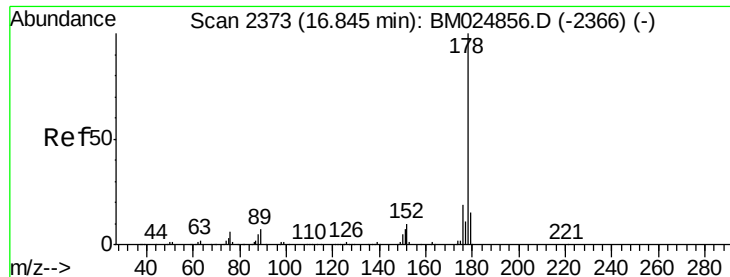
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#70

Phenanthrene

Concen: 10.003 ng/ul

RT: 16.84 min Scan# 2372

Delta R.T. -0.01 min

Lab File: BM024867.D

Acq: 13 Feb 2020 22:15

Instrument :

BNA_M

ClientSampled :

CB6N4

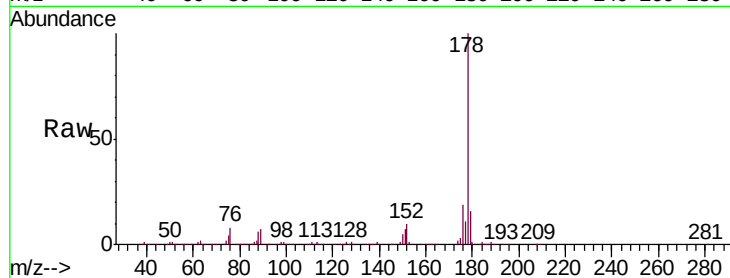
Tgt Ion:178 Resp: 1063275

Ion Ratio Lower Upper

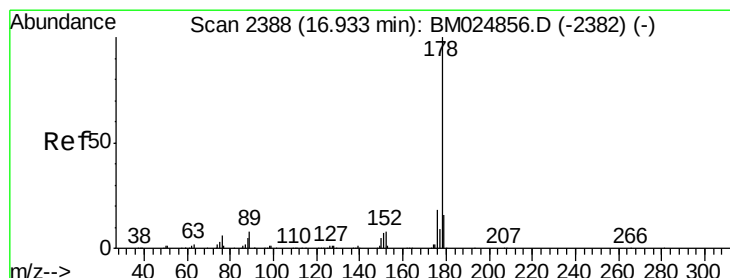
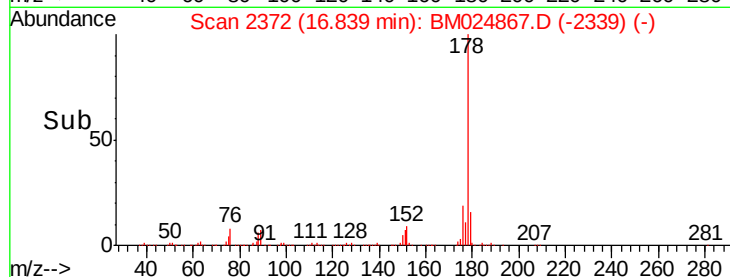
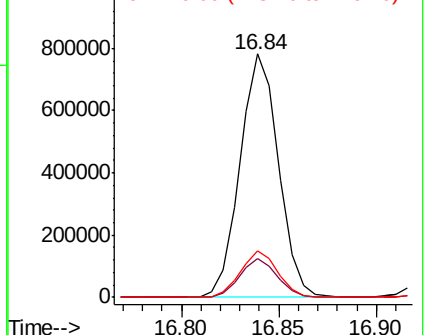
178 100

179 15.7 12.2 18.2

176 19.1 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: 1.609 ng/ul

RT: 16.93 min Scan# 2388

Delta R.T. 0.00 min

Lab File: BM024867.D

Acq: 13 Feb 2020 22:15

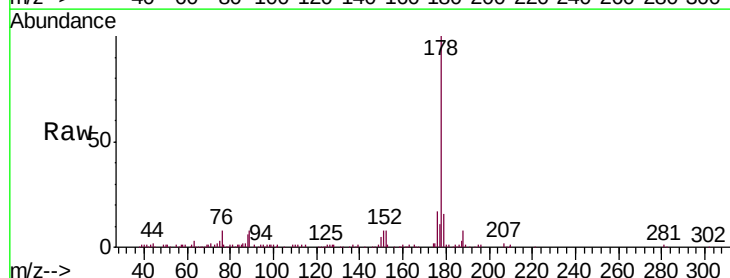
Tgt Ion:178 Resp: 173495

Ion Ratio Lower Upper

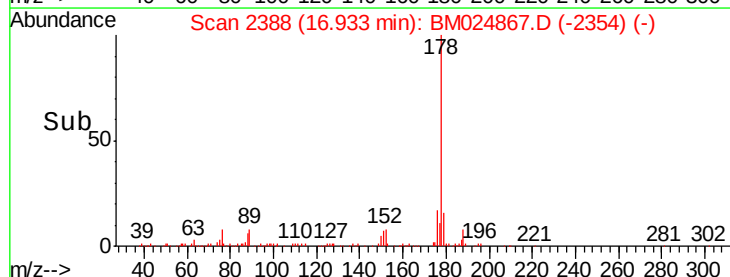
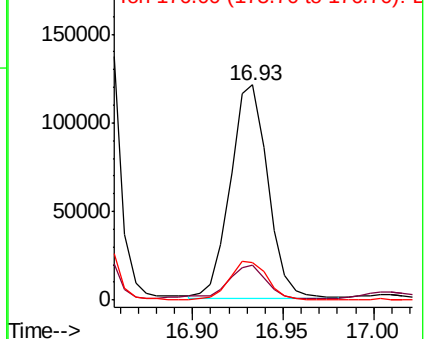
178 100

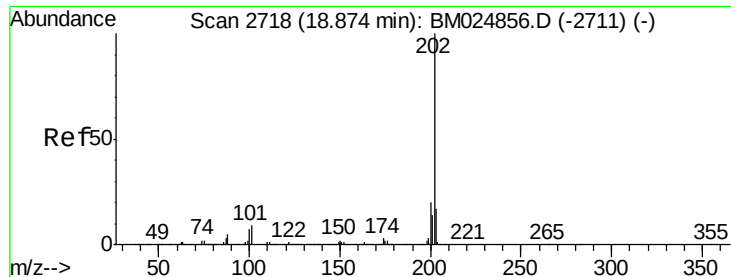
179 16.1 12.3 18.5

176 17.5 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

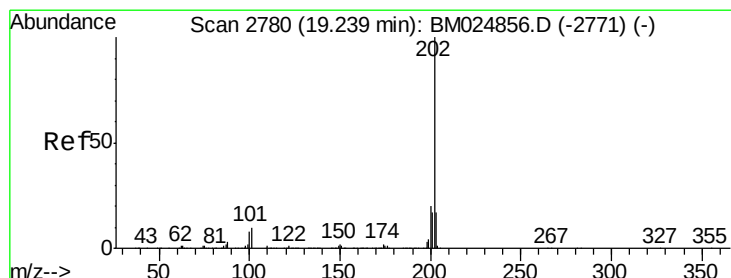
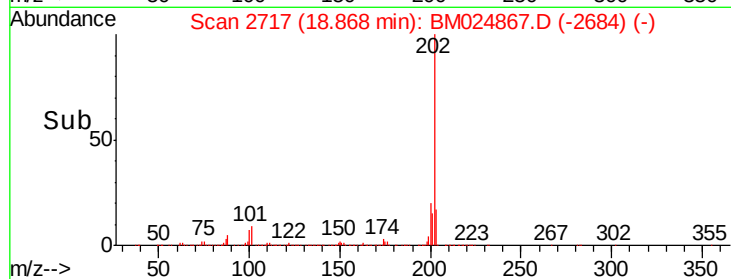
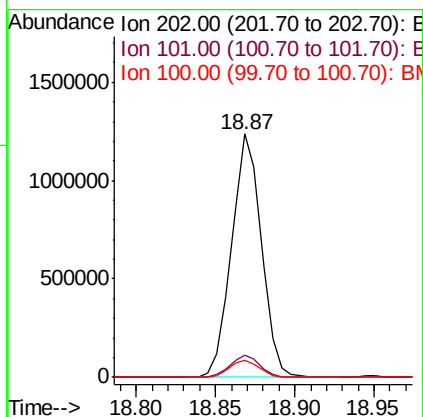
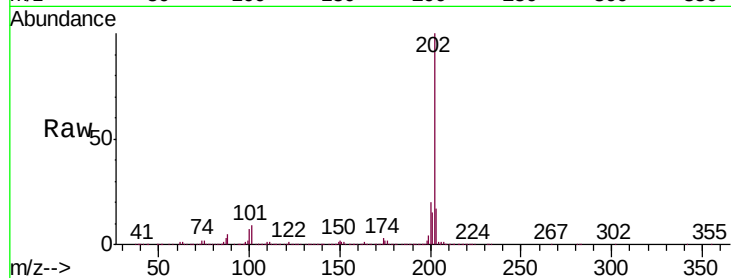




#77
 Fluoranthene
 Concen: 12.296 ng/ul
 RT: 18.87 min Scan# 2717
 Delta R.T. -0.01 min
 Lab File: BM024867.D
 Acq: 13 Feb 2020 22:15

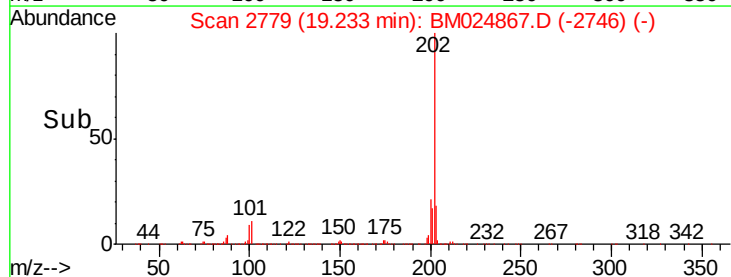
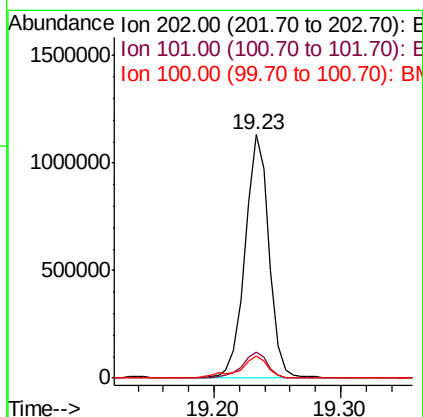
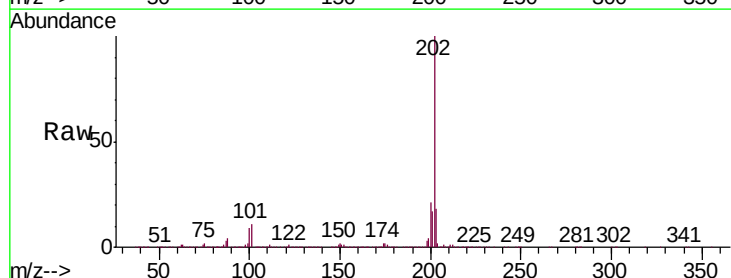
Instrument :
 BNA_M
 ClientSampleId :
 CB6N4

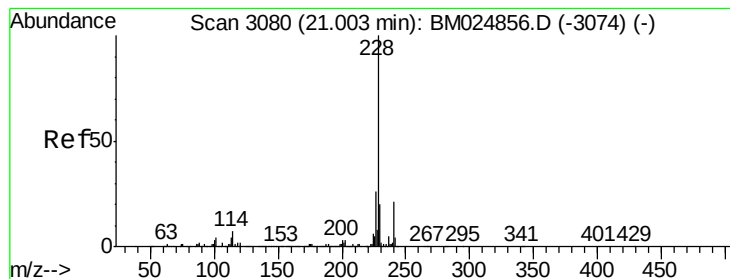
Tgt Ion:202 Resp: 1604431
 Ion Ratio Lower Upper
 202 100
 101 9.3 6.1 9.1#
 100 7.2 4.8 7.2#



#80
 Pyrene
 Concen: 11.827 ng/ul
 RT: 19.23 min Scan# 2779
 Delta R.T. -0.01 min
 Lab File: BM024867.D
 Acq: 13 Feb 2020 22:15

Tgt Ion:202 Resp: 1475965
 Ion Ratio Lower Upper
 202 100
 101 10.9 7.0 10.4#
 100 8.9 5.8 8.8#





#83

Benzo(a)anthracene

Concen: 6.221 ng/ul

RT: 21.00 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BM024867.D

Acq: 13 Feb 2020 22:15

Instrument :

BNA_M

ClientSampleId :

CB6N4

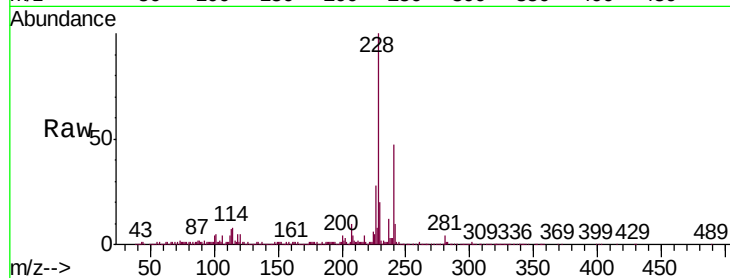
Tgt Ion:228 Resp: 790086

Ion Ratio Lower Upper

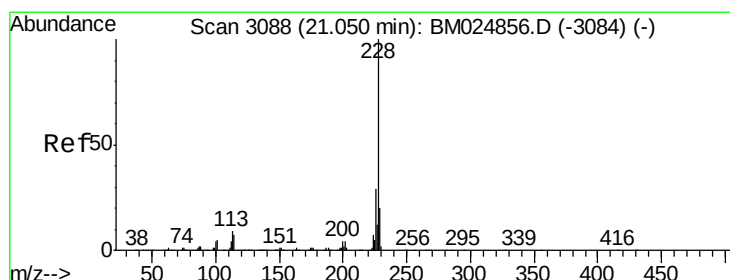
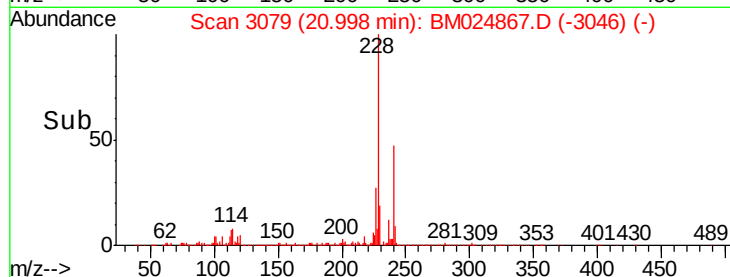
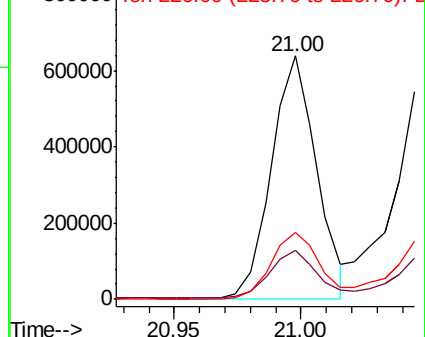
228 100

229 20.0 15.9 23.9

226 27.6 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: 6.553 ng/ul

RT: 21.05 min Scan# 3088

Delta R.T. 0.00 min

Lab File: BM024867.D

Acq: 13 Feb 2020 22:15

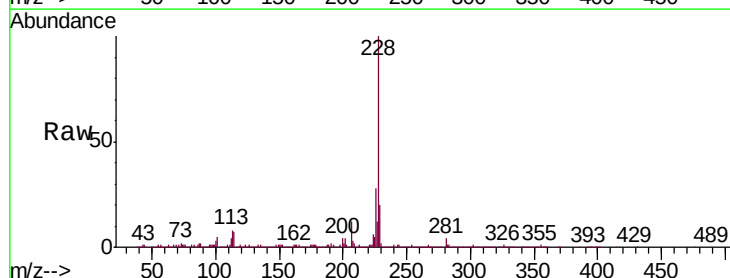
Tgt Ion:228 Resp: 819341

Ion Ratio Lower Upper

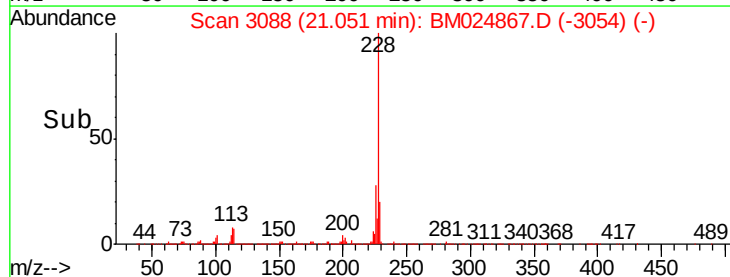
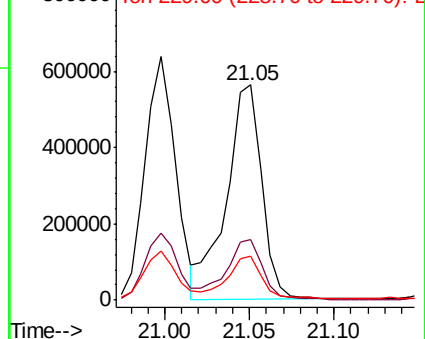
228 100

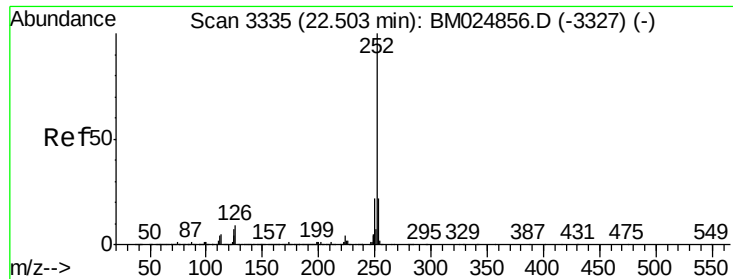
226 27.9 23.0 34.4

229 20.3 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: 8.107 ng/ul

RT: 22.50 min Scan# 3334

Delta R.T. -0.01 min

Lab File: BM024867.D

Acq: 13 Feb 2020 22:15

Instrument :

BNA_M

ClientSampleId :

CB6N4

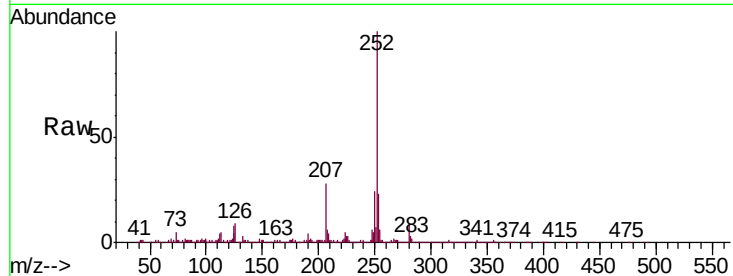
Tgt Ion:252 Resp: 1040276

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

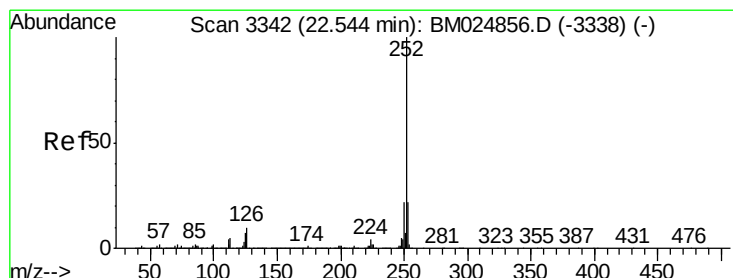
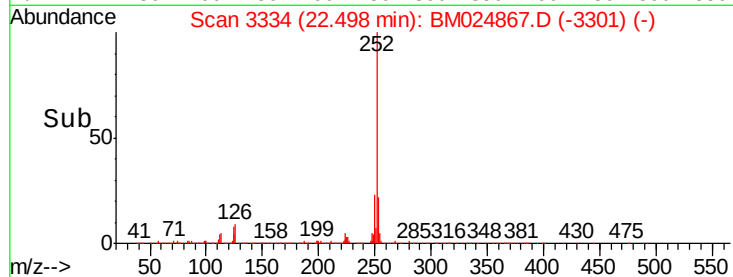
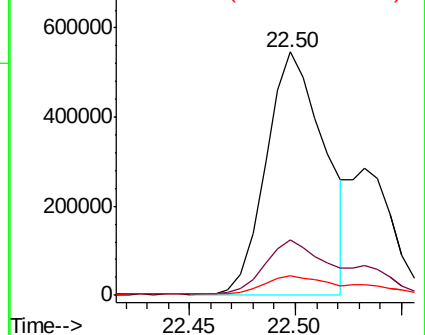
125 8.0 5.1 7.7#



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: 8.423 ng/ul

RT: 22.50 min Scan# 3334

Delta R.T. -0.05 min

Lab File: BM024867.D

Acq: 13 Feb 2020 22:15

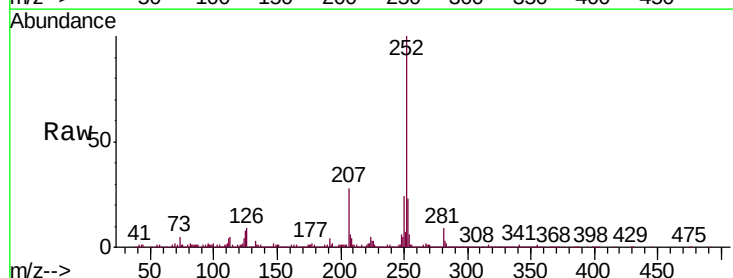
Tgt Ion:252 Resp: 1040276

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

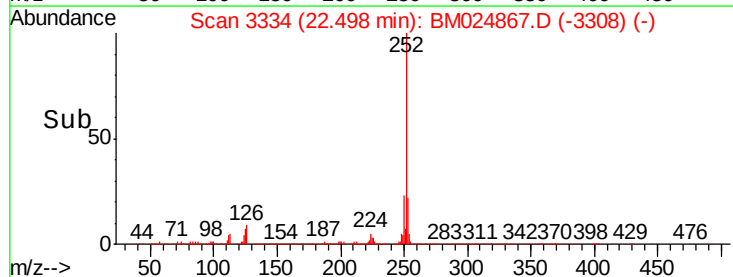
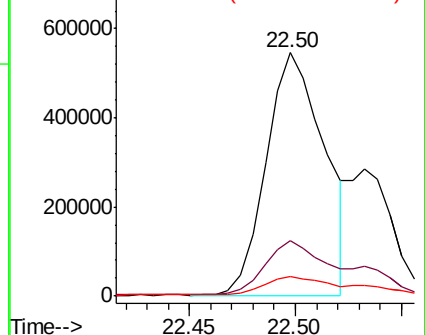
125 8.0 5.1 7.7#

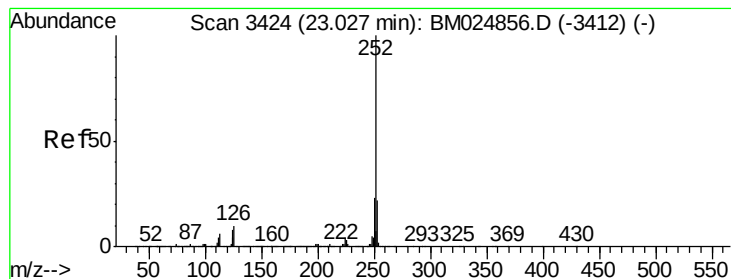


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 6.164 ng/ul

RT: 23.02 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BM024867.D

Acq: 13 Feb 2020 22:15

Instrument :

BNA_M

ClientSampled :

CB6N4

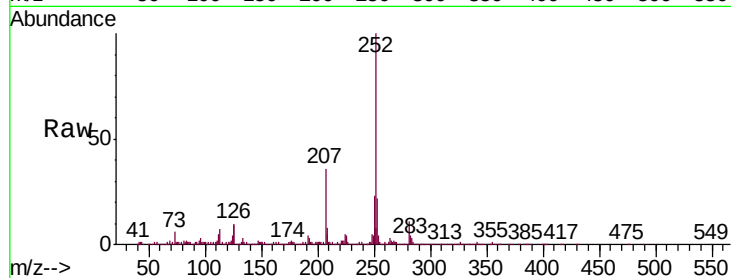
Tgt Ion:252 Resp: 709106

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 8.6 5.6 8.4#

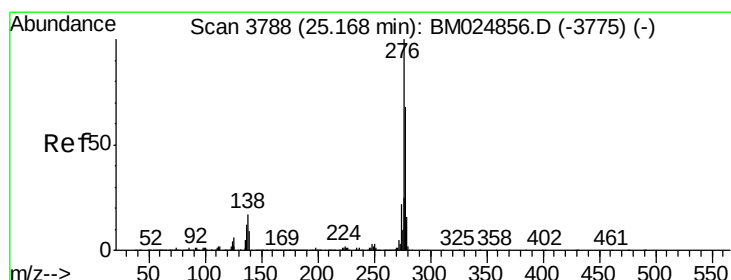
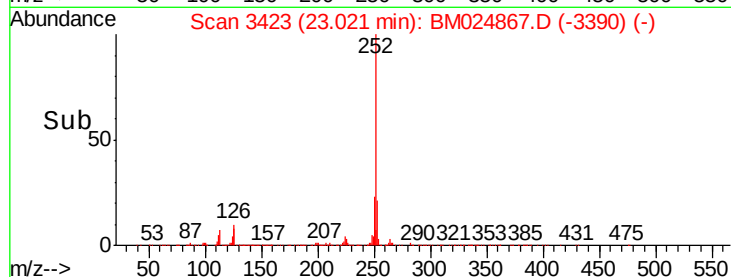
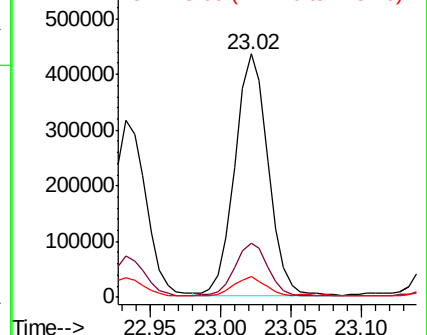


Abundance

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: 3.867 ng/ul

RT: 25.16 min Scan# 3786

Delta R.T. -0.01 min

Lab File: BM024867.D

Acq: 13 Feb 2020 22:15

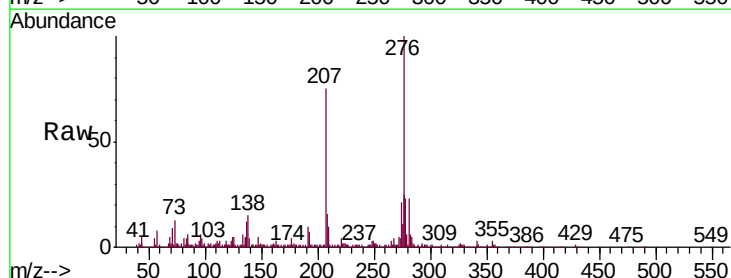
Tgt Ion:276 Resp: 553793

Ion Ratio Lower Upper

276 100

138 15.4 12.8 19.2

277 24.6 19.3 28.9

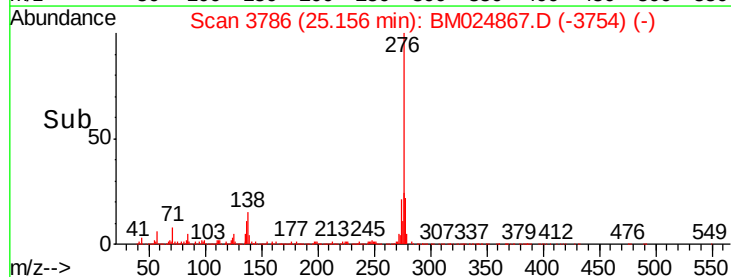
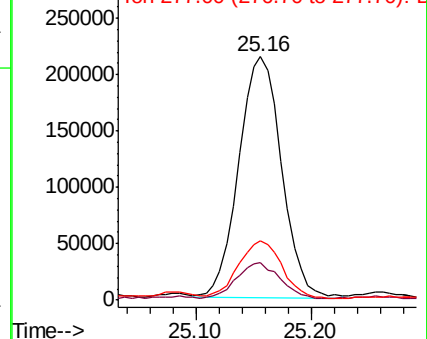


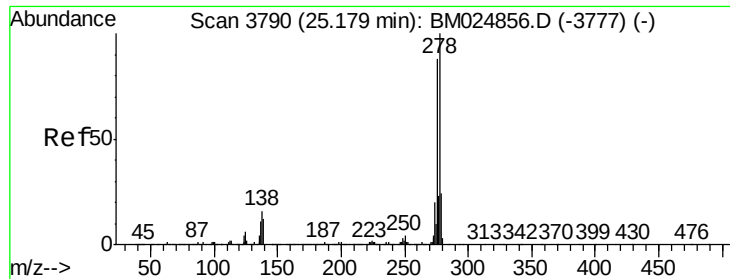
Abundance

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: 1.223 ng/ul

RT: 25.17 min Scan# 3788

Delta R.T. -0.01 min

Lab File: BM024867.D

Acq: 13 Feb 2020 22:15

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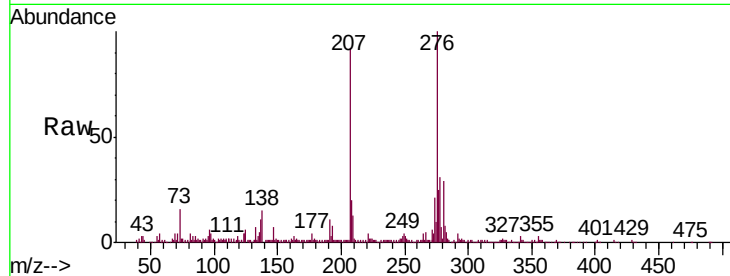
Tgt Ion:278 Resp: 149189

Ion Ratio Lower Upper

278 100

139 0.0 8.4 12.6#

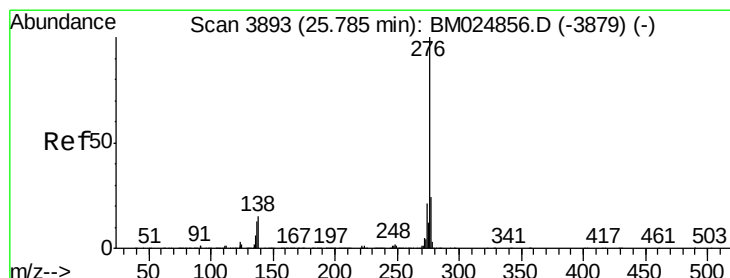
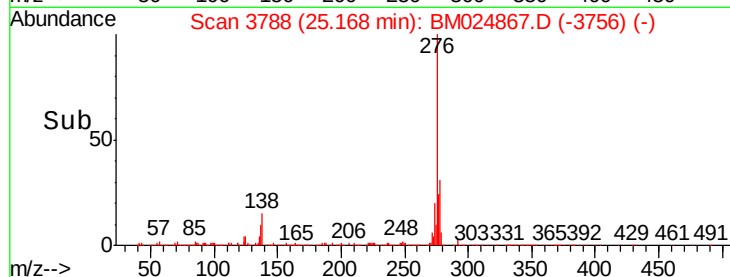
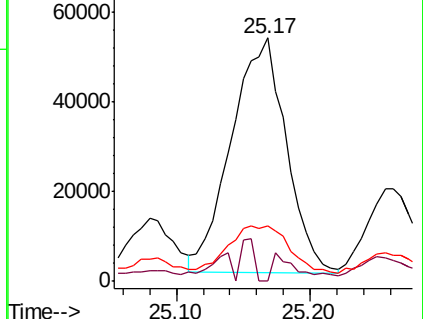
279 22.7 18.5 27.7



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: 4.099 ng/ul

RT: 25.77 min Scan# 3891

Delta R.T. -0.01 min

Lab File: BM024867.D

Acq: 13 Feb 2020 22:15

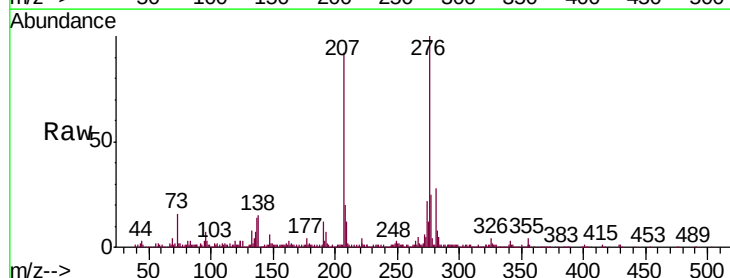
Tgt Ion:276 Resp: 488198

Ion Ratio Lower Upper

276 100

138 15.2 11.8 17.6

277 25.1 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

