

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\
 Data File : BM024738.D
 Acq On : 06 Feb 2020 21:26
 Operator : CG/JU
 Sample : L1398-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 07 00:50:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Feb 06 16:50:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	252174	20.00	ng/ul	0.00
18) Naphthalene-d8	10.17	136	1019928	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.06	164	704668	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.82	188	1562203	20.00	ng/ul	0.00
78) Chrysene-d12	21.03	240	1566477	20.00	ng/ul	0.00
86) Perylene-d12	23.13	264	1786211	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	25921	4.94	ng/uL	0.00
5) Phenol-d5	6.60	99	443033	26.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.76	67	260524	27.54	ng/ul	0.00
9) 2-Chlorophenol-d4	6.95	132	405140	26.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	371347	26.27	ng/ul	0.00
19) Nitrobenzene-d5	8.55	128	198516	26.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.26	143	233137	26.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.80	165	438363	24.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.31	131	516490	31.41	ng/ul	0.00
44) Dimethylphthalate-d6	13.49	166	1442905	27.13	ng/ul	0.00
47) Acenaphthylene-d8	13.75	160	1674520	26.96	ng/ul	0.00
52) 4-Nitrophenol-d4	14.29	143	199558	23.09	ng/ul	0.00
58) Fluorene-d10	15.06	176	1262763	26.81	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	234672	23.05	ng/ul	0.00
71) Anthracene-d10	16.92	188	1978722	27.75	ng/ul	0.00
79) Pyrene-d10	19.22	212	2314561	29.54	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.00	264	2546212	28.38	ng/ul	0.00

Target Compounds

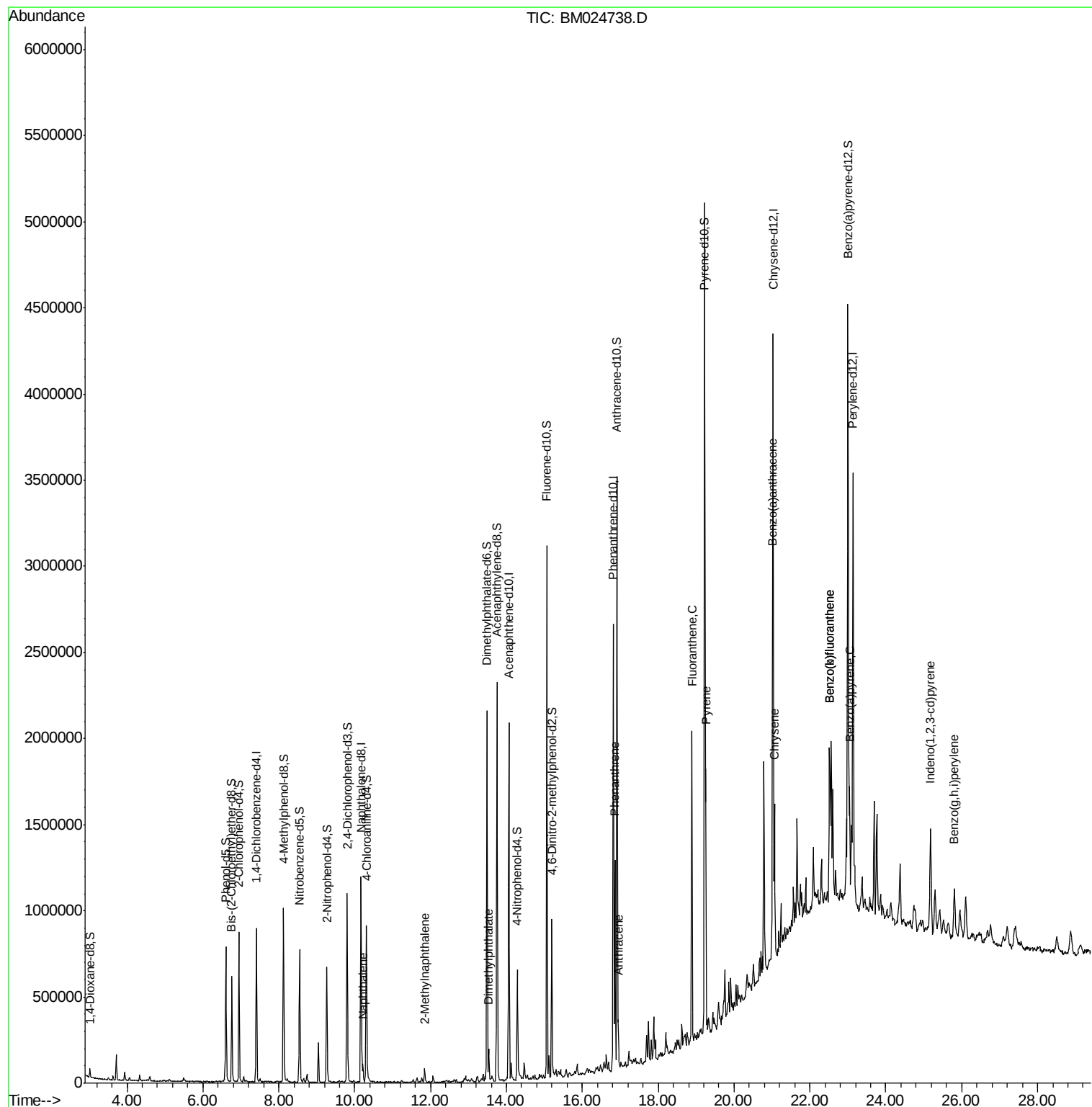
					Ovalue	
28) Naphthalene	10.22	128	86048	1.651	ng/ul	98
34) 2-Methylnaphthalene	11.85	142	38660	1.007	ng/ul	97
45) Dimethylphthalate	13.53	163	119532	2.154	ng/ul	98
70) Phenanthrene	16.86	178	720748	8.462	ng/ul	100
72) Anthracene	16.95	178	157354	1.822	ng/ul	98
77) Fluoranthene	18.89	202	1099663	10.516	ng/ul	99
80) Pyrene	19.25	202	966541	9.321	ng/ul	99
83) Benzo(a)anthracene	21.01	228	550397	5.216	ng/ul	97
85) Chrysene	21.06	228	539539	5.194	ng/ul	98
88) Benzo(b)fluoranthene	22.52	252	745823	6.566	ng/ul#	97
89) Benzo(k)fluoranthene	22.52	252	745823	6.822	ng/ul#	97
91) Benzo(a)pyrene	23.04	252	477088	4.685	ng/ul#	99
92) Indeno(1,2,3-cd)pyrene	25.19	276	329995	2.603	ng/ul	97
94) Benzo(g,h,i)perylene	25.81	276	321511	3.049	ng/ul	99

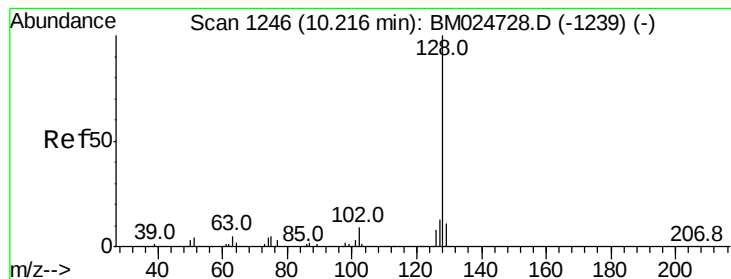
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Feb 06 16:50:23 2020
Response via : Initial Calibration





#28

Naphthalene

Concen: 1.651 ng/ul

RT: 10.22 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BM024738.D

Acq: 06 Feb 2020 21:26

Instrument :

BNA_M

ClientSampleId :

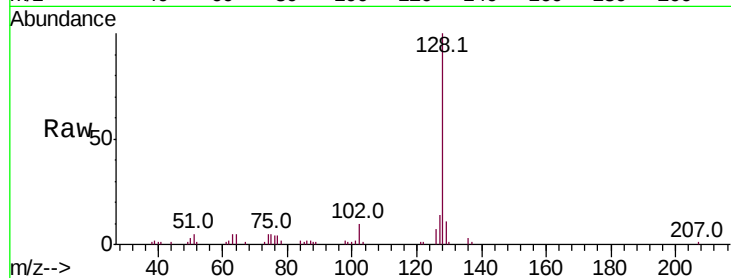
Tot Ion:128 Resp: 86048

Ion Ratio Lower Upper

128 100

129 10.8 9.1 13.7

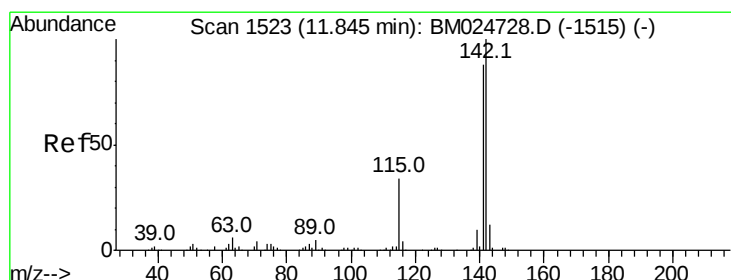
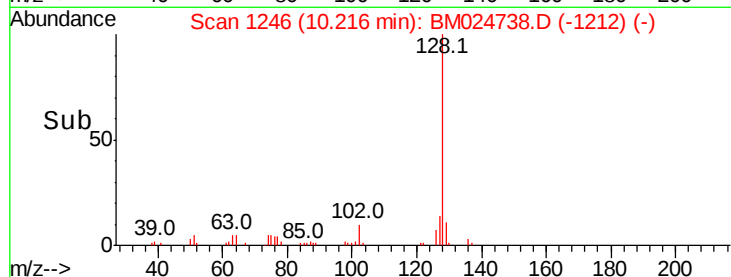
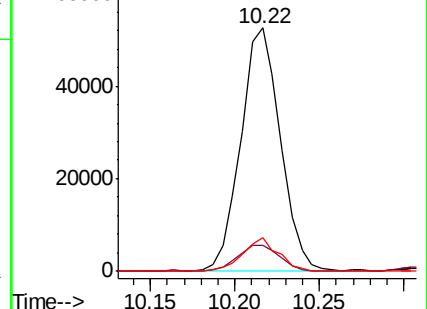
127 13.6 10.4 15.6



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



#34

2-Methylnaphthalene

Concen: 1.007 ng/ul

RT: 11.85 min Scan# 1523

Delta R.T. 0.00 min

Lab File: BM024738.D

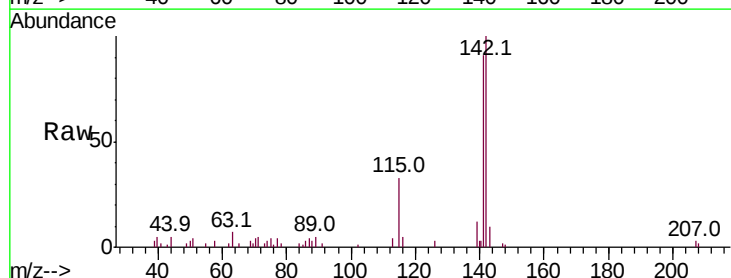
Acq: 06 Feb 2020 21:26

Tgt Ion:142 Resp: 38660

Ion Ratio Lower Upper

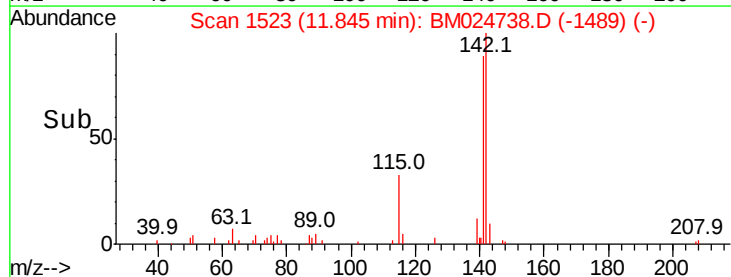
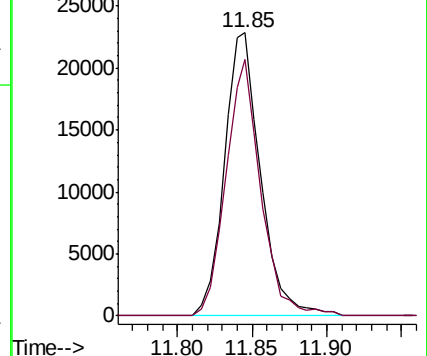
142 100

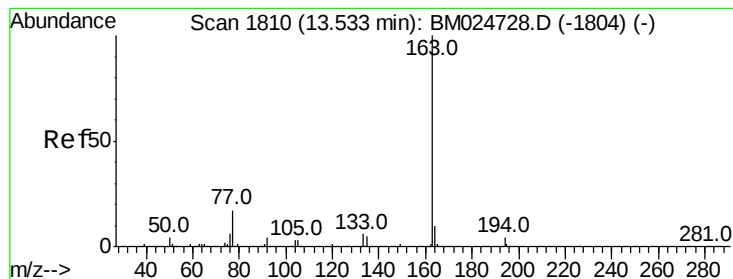
141 90.6 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#45

Dimethylphthalate

Concen: 2.154 ng/ul

RT: 13.53 min Scan# 1810

Delta R.T. 0.00 min

Lab File: BM024738.D

Acq: 06 Feb 2020 21:26

Instrument :

BNA_M

ClientSampleId :

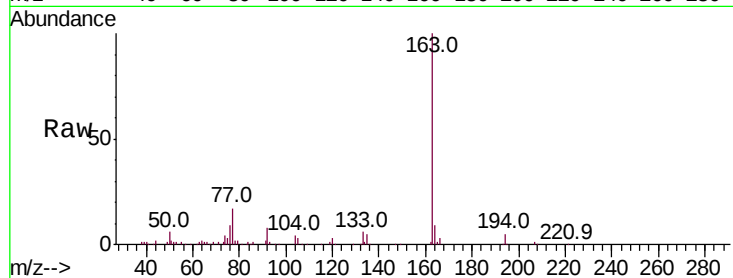
Tot Ion:163 Resp: 119532

Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

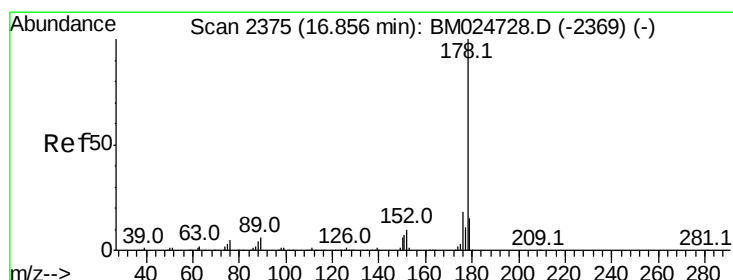
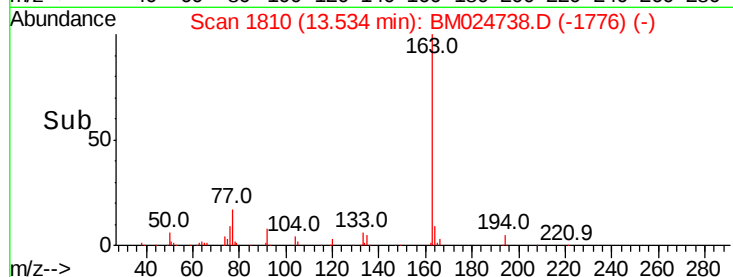
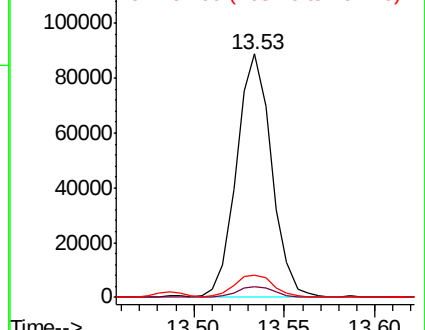
164 9.3 8.2 12.2



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



#70

Phenanthrene

Concen: 8.462 ng/ul

RT: 16.86 min Scan# 2375

Delta R.T. 0.00 min

Lab File: BM024738.D

Acq: 06 Feb 2020 21:26

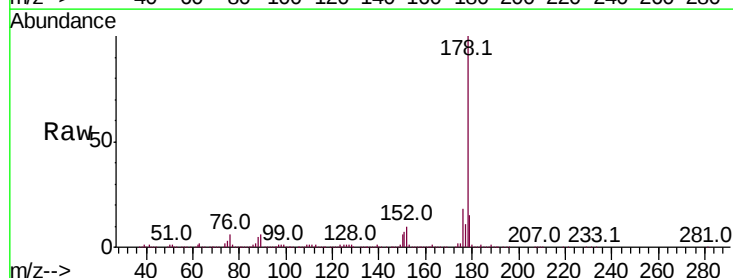
Tgt Ion:178 Resp: 720748

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

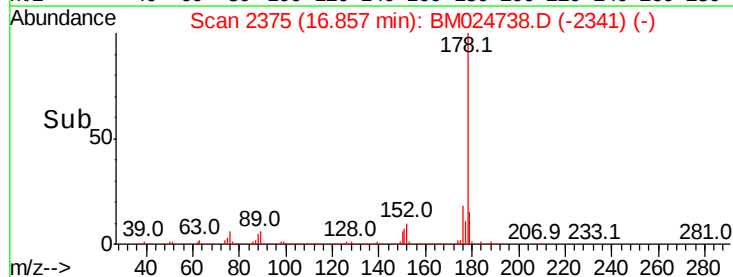
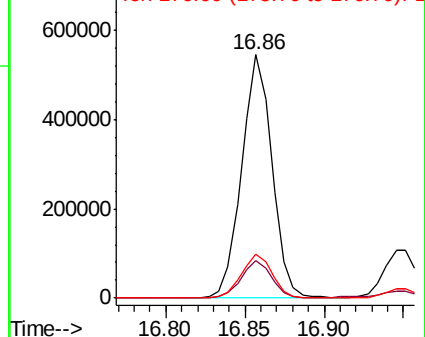
176 18.2 14.5 21.7

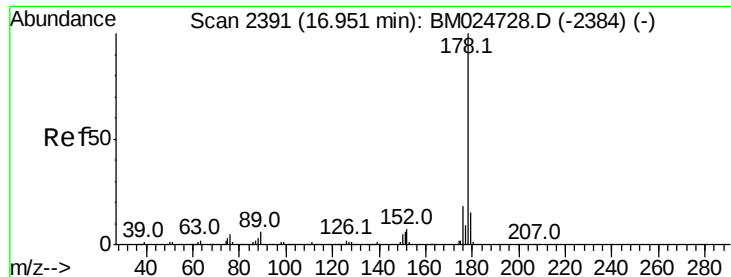


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 1.822 ng/ul

RT: 16.95 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BM024738.D

Acq: 06 Feb 2020 21:26

Instrument :

BNA_M

ClientSampleId :

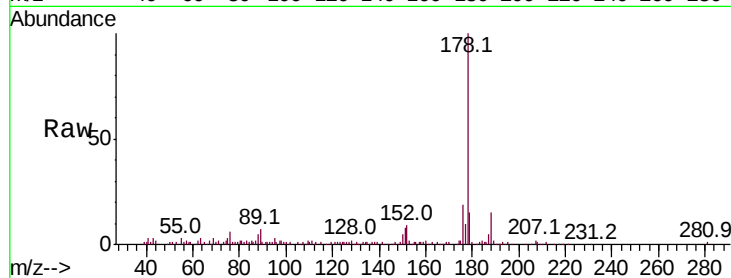
Tot Ion:178 Resp: 157354

Ion Ratio Lower Upper

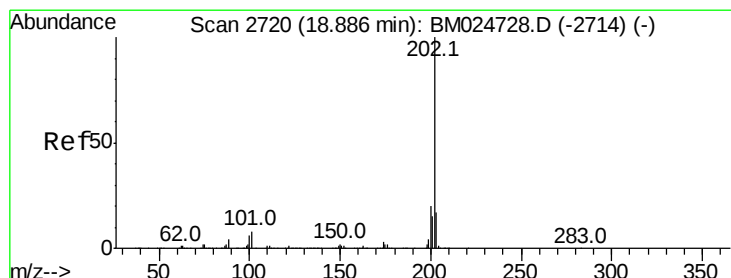
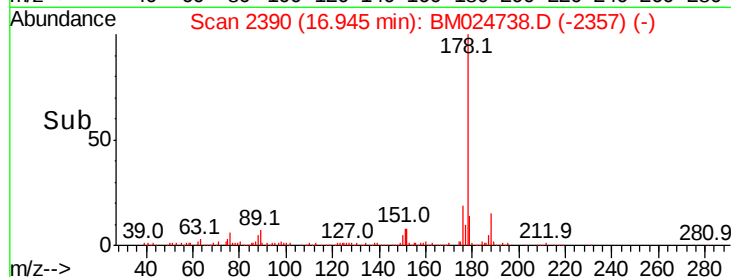
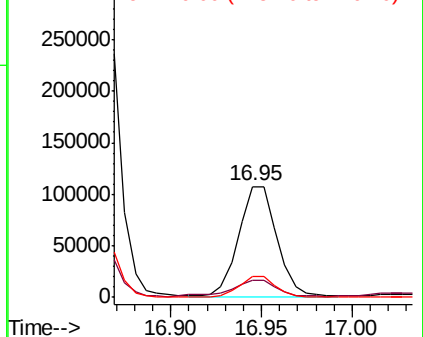
178 100

179 14.9 12.3 18.5

176 18.8 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: 10.516 ng/ul

RT: 18.89 min Scan# 2720

Delta R.T. 0.00 min

Lab File: BM024738.D

Acq: 06 Feb 2020 21:26

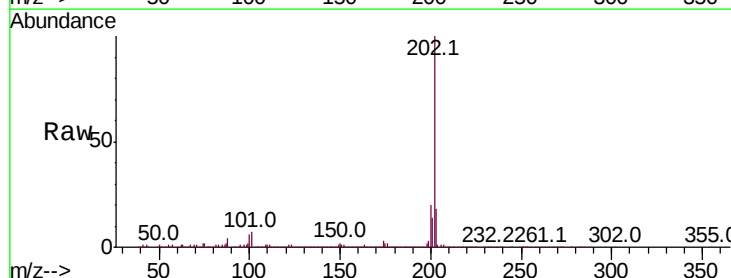
Tgt Ion:202 Resp: 1099663

Ion Ratio Lower Upper

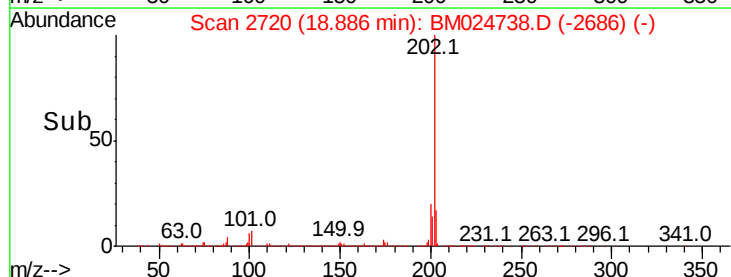
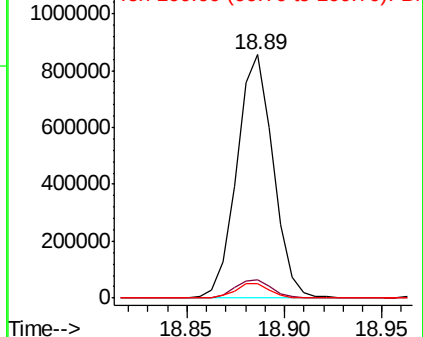
202 100

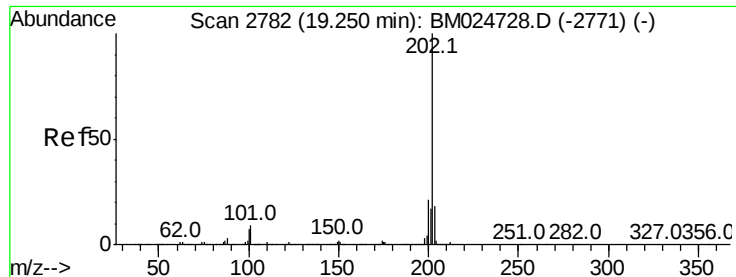
101 7.4 6.1 9.1

100 5.8 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

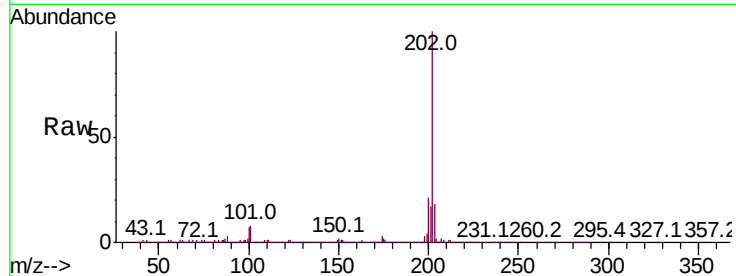




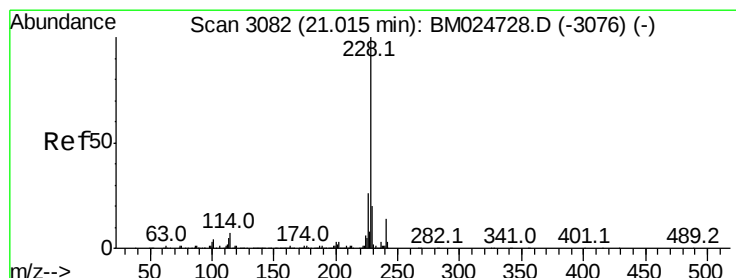
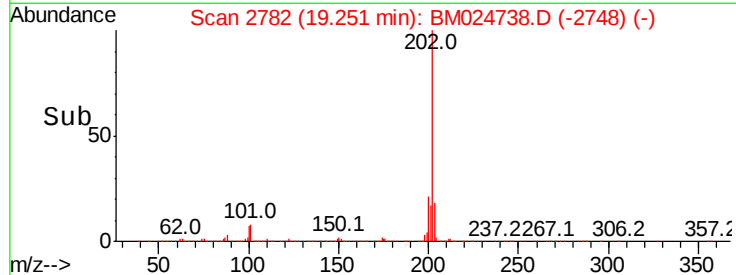
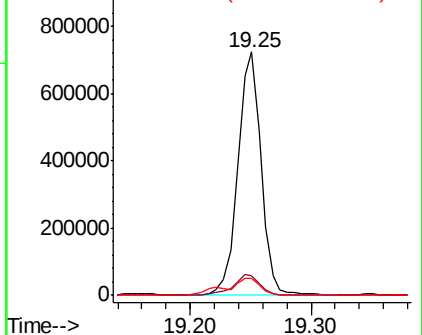
#80
Pvrene
Concen: 9.321 ng/ul
RT: 19.25 min Scan# 2782
Delta R.T. 0.00 min
Lab File: BM024738.D
Acq: 06 Feb 2020 21:26

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.2	7.0	10.4
100	7.0	5.8	8.8

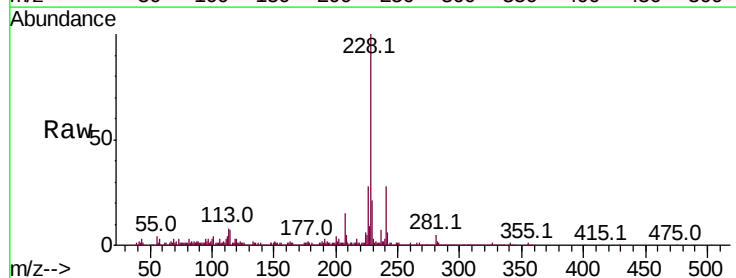


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

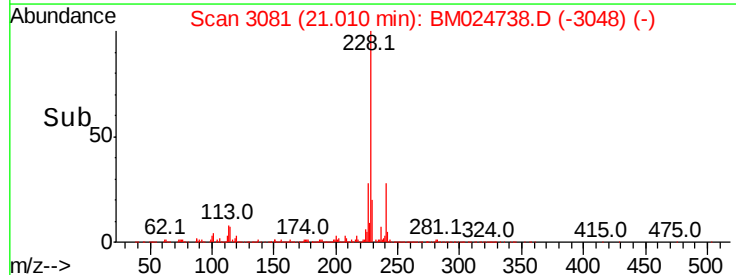
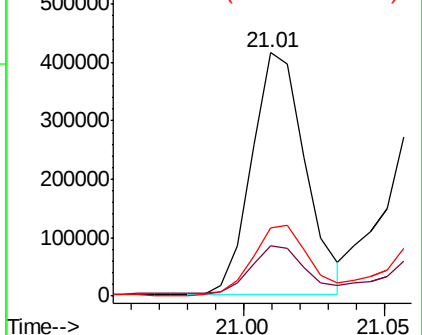


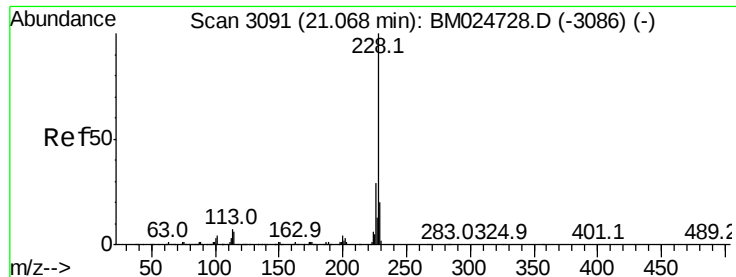
#83
Benzo(a)anthracene
Concen: 5.216 ng/ul
RT: 21.01 min Scan# 3081
Delta R.T. -0.01 min
Lab File: BM024738.D
Acq: 06 Feb 2020 21:26

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.9	23.9
226	28.2	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

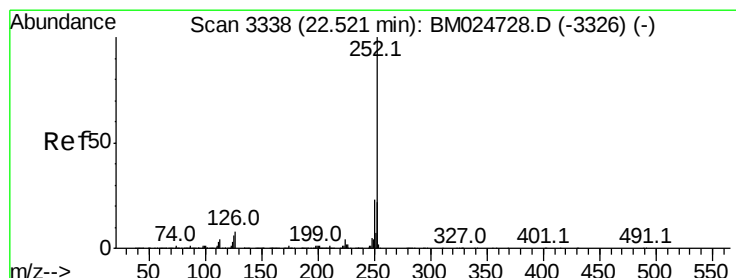
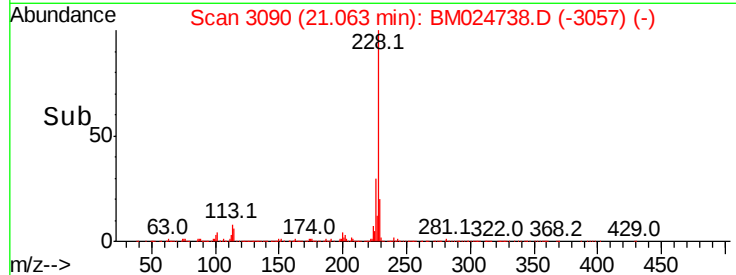
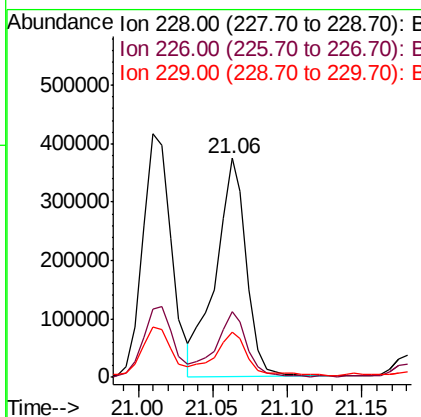
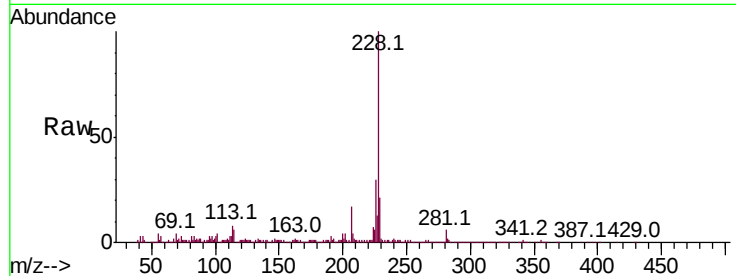




#85
Chrysene
Concen: 5.194 ng/ul
RT: 21.06 min Scan# 3090
Delta R.T. -0.01 min
Lab File: BM024738.D
Acq: 06 Feb 2020 21:26

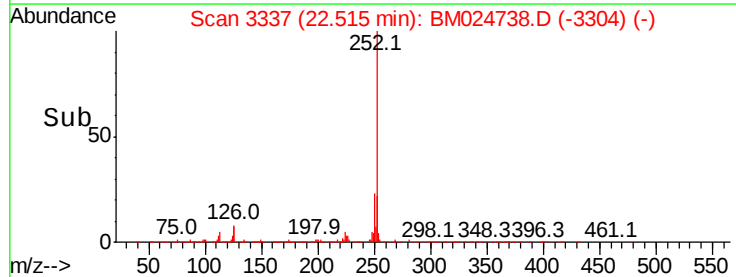
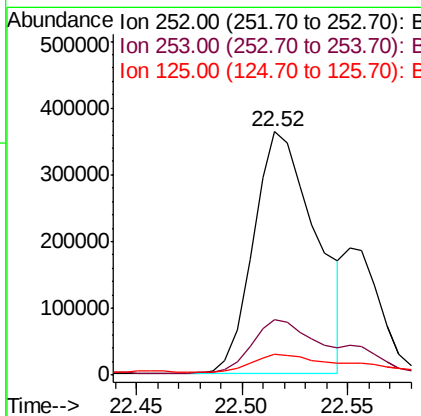
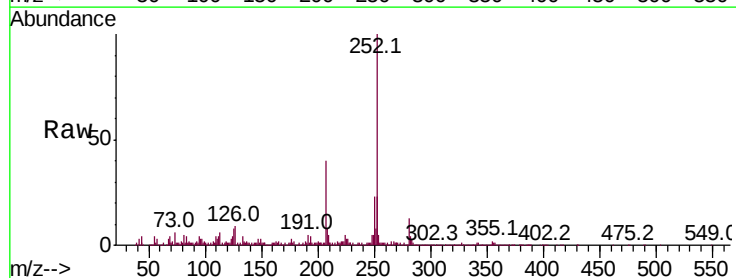
Instrument :
BNA_M
ClientSampled :

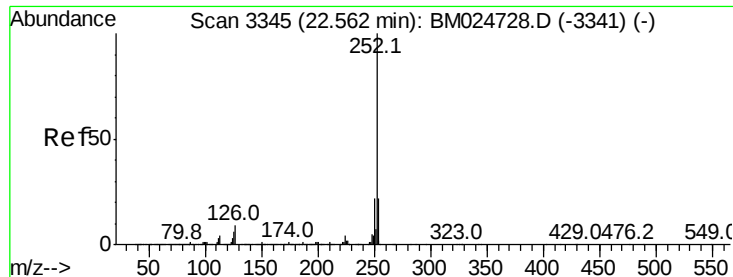
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.0	34.4
229	20.6	15.8	23.8



#88
Benzo(b)fluoranthene
Concen: 6.566 ng/ul
RT: 22.52 min Scan# 3337
Delta R.T. -0.01 min
Lab File: BM024738.D
Acq: 06 Feb 2020 21:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	8.4	5.1	7.7#





#89

Benzo(k)fluoranthene

Concen: 6.822 ng/ul

RT: 22.52 min Scan# 3337

Delta R.T. -0.05 min

Lab File: BM024738.D

Acq: 06 Feb 2020 21:26

Instrument :

BNA_M

ClientSampleId :

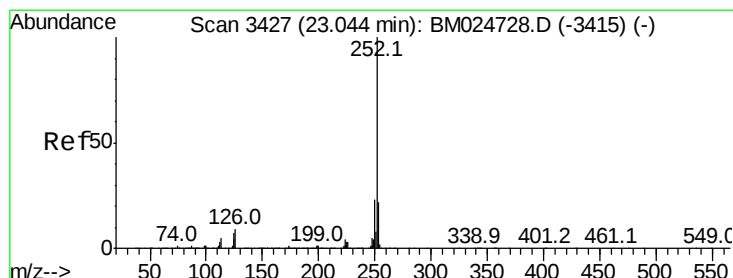
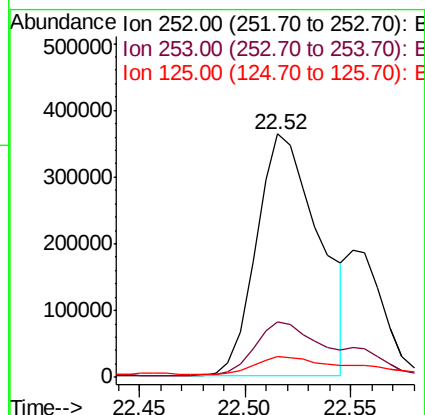
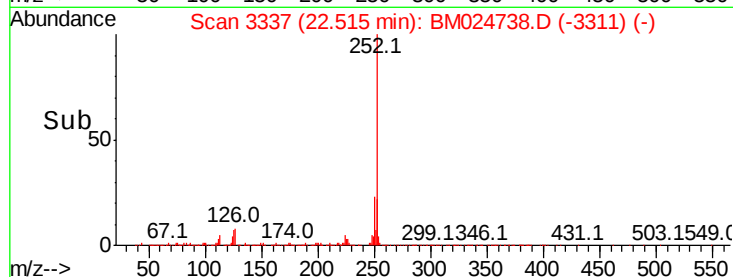
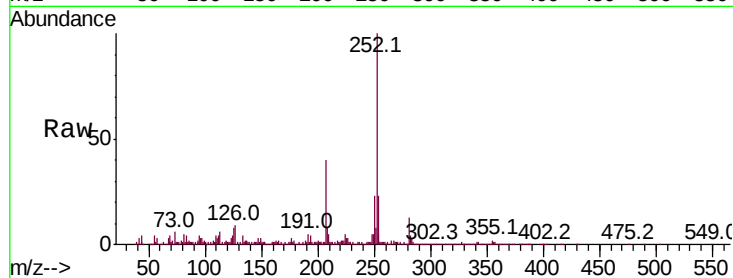
Tot Ion:252 Resp: 745823

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 8.4 5.1 7.7#



#91

Benzo(a)pyrene

Concen: 4.685 ng/ul

RT: 23.04 min Scan# 3427

Delta R.T. 0.00 min

Lab File: BM024738.D

Acq: 06 Feb 2020 21:26

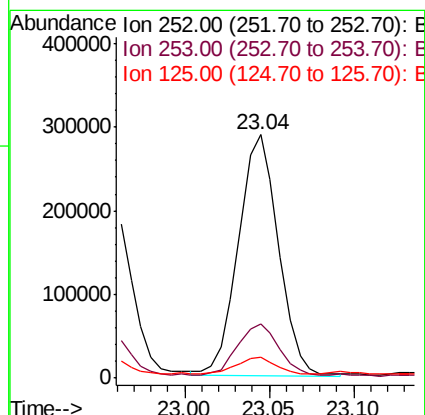
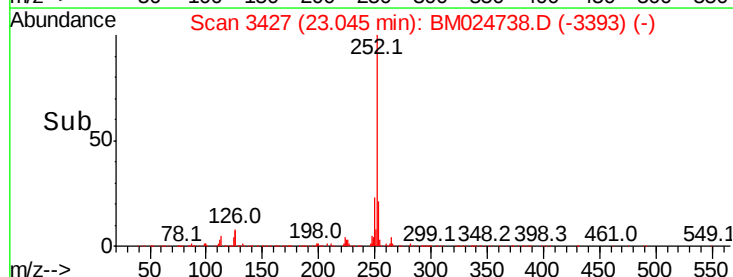
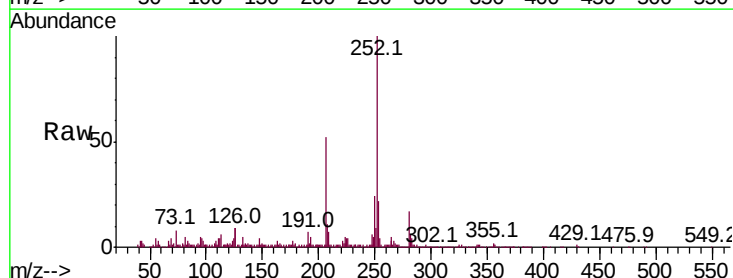
Tgt Ion:252 Resp: 477088

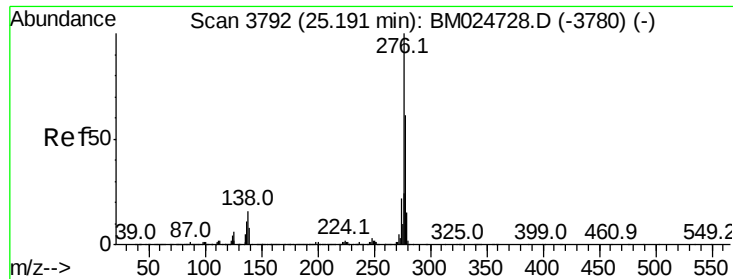
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 8.6 5.6 8.4#

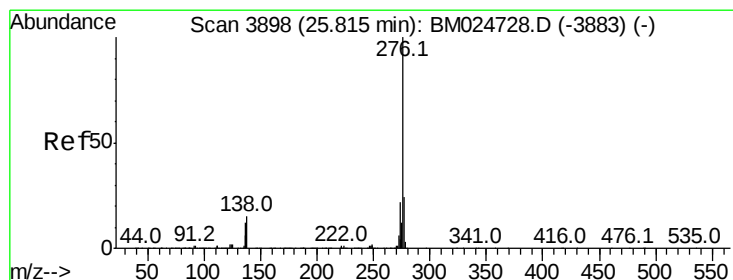
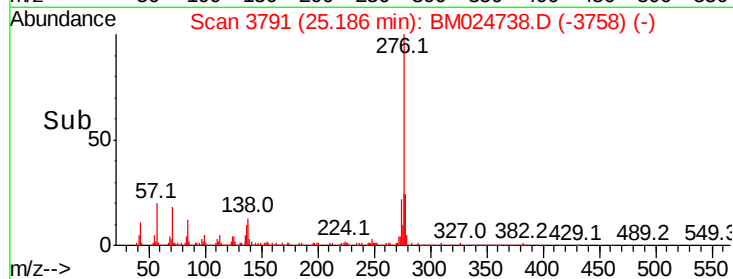
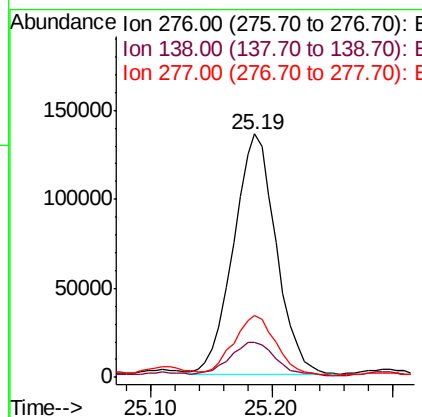
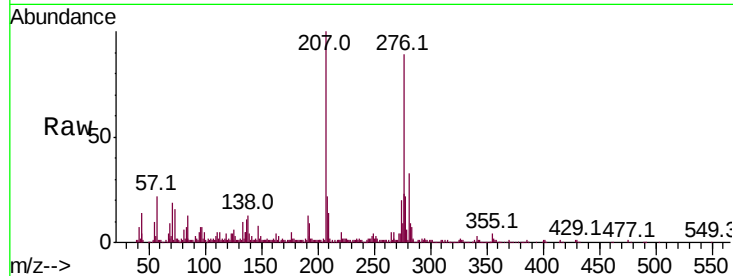




#92
 Indeno(1,2,3-cd)pyrene
 Concen: 2.603 ng/ul
 RT: 25.19 min Scan# 3791
 Delta R.T. -0.01 min
 Lab File: BM024738.D
 Acq: 06 Feb 2020 21:26

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.2	12.8	19.2
277	25.4	19.3	28.9



#94
 Benzo(g,h,i)perylene
 Concen: 3.049 ng/ul
 RT: 25.81 min Scan# 3897
 Delta R.T. -0.01 min
 Lab File: BM024738.D
 Acq: 06 Feb 2020 21:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.0	11.8	17.6
277	24.4	19.0	28.6

