

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021320\
 Data File : BM024873.D
 Acq On : 14 Feb 2020 02:45
 Operator : CG/JU
 Sample : L1404-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB6N9

Quant Time: Feb 14 07:47:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 14 07:45:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	501315	20.00	ng/ul	0.00
18) Naphthalene-d8	10.15	136	1812074	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.04	164	1086495	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.80	188	2240196	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	2237947	20.00	ng/ul	0.00
86) Perylene-d12	23.11	264	2384271	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	48525	4.66	ng/uL	0.00
5) Phenol-d5	6.60	99	756558	22.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	486192	25.85	ng/ul	0.00
9) 2-Chlorophenol-d4	6.94	132	650835	21.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.11	113	482166	17.16	ng/ul	0.00
19) Nitrobenzene-d5	8.53	128	319815	24.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	374482	24.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	629601	20.16	ng/ul	0.00
29) 4-Chloroaniline-d4	10.29	131	649427	22.23	ng/ul	0.00
44) Dimethylphthalate-d6	13.47	166	1937538	23.62	ng/ul	0.00
47) Acenaphthylene-d8	13.73	160	2208672	23.06	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	282327	21.19	ng/ul	0.00
58) Fluorene-d10	15.05	176	1628935	22.43	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.18	200	306249	20.97	ng/ul	0.00
71) Anthracene-d10	16.90	188	2231808	21.82	ng/ul	0.00
79) Pyrene-d10	19.21	212	2560407	22.87	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	2673340	22.32	ng/ul	0.00

Target Compounds

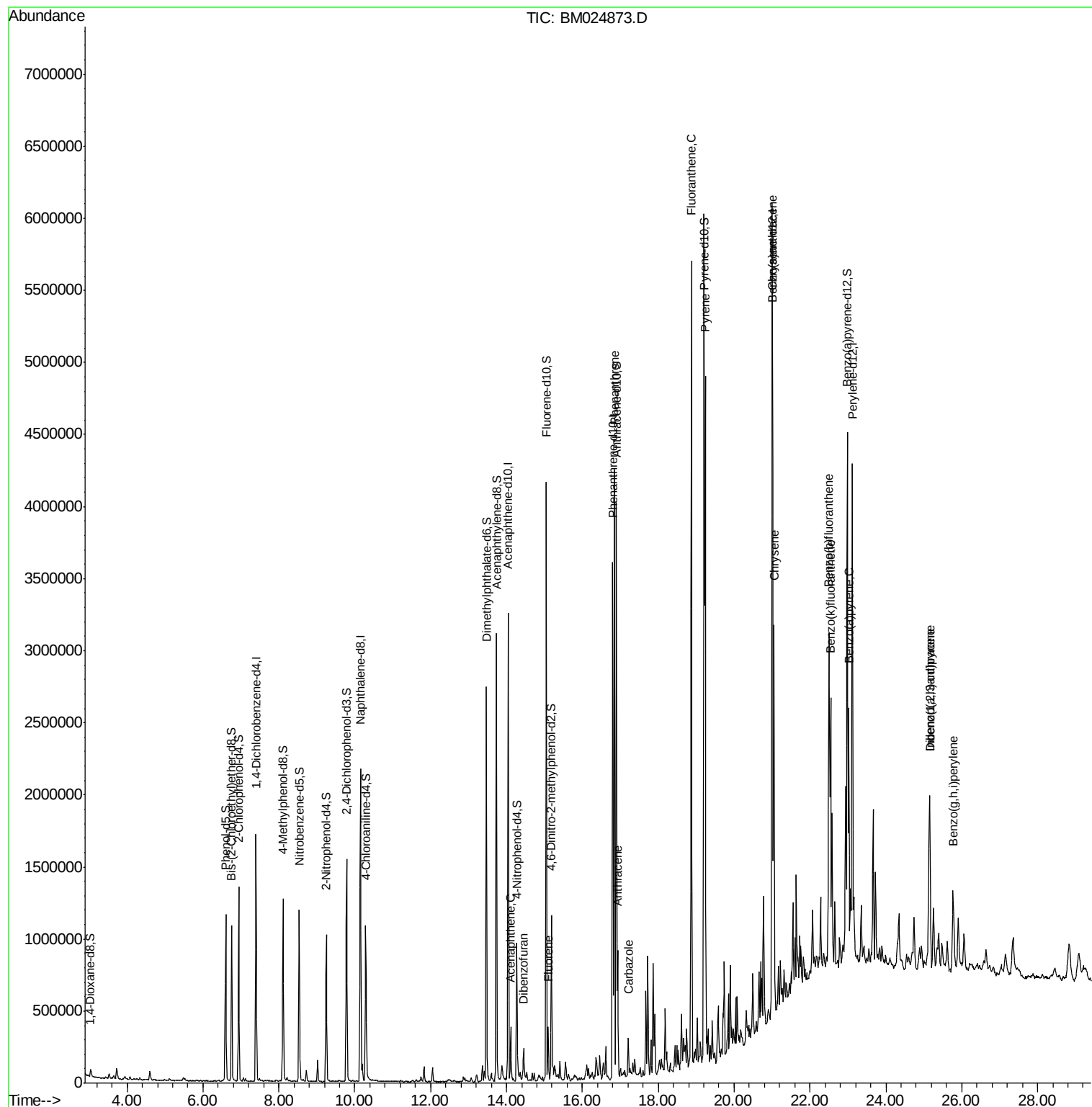
					Ovalue	
50) Acenaphthene	14.11	153	143154	2.137	ng/ul	99
54) Dibenzofuran	14.45	168	124872	1.250	ng/ul	97
59) Fluorene	15.10	166	145438	1.767	ng/ul	99
70) Phenanthrene	16.84	178	2526582	20.685	ng/ul	99
72) Anthracene	16.93	178	515852	4.164	ng/ul	99
75) Carbazole	17.21	167	166526	1.614	ng/ul	97
77) Fluoranthene	18.87	202	3404866	22.707	ng/ul	96
80) Pyrene	19.24	202	2910227	19.646	ng/ul	96
83) Benzo(a)anthracene	21.00	228	1629112	10.807	ng/ul	99
85) Chrysene	21.05	228	1520268	10.244	ng/ul	100
88) Benzo(b)fluoranthene	22.50	252	1985439	13.096	ng/ul#	97
89) Benzo(k)fluoranthene	22.54	252	630895	4.323	ng/ul#	98
91) Benzo(a)pyrene	23.03	252	1228174	9.036	ng/ul#	98
92) Indeno(1,2,3-cd)pyrene	25.16	276	901558	5.328	ng/ul	98
93) Dibenzo(a,h)anthracene	25.16	278	260944	1.810	ng/ul#	89
94) Benzo(g,h,i)perylene	25.78	276	677384	4.813	ng/ul	97

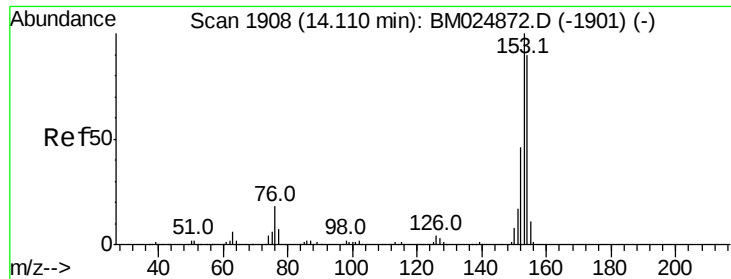
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#50

Acenaphthene

Concen: 2.137 ng/ul

RT: 14.11 min Scan# 1908

Delta R.T. 0.00 min

Lab File: BM024873.D

Acq: 14 Feb 2020 02:45

Instrument :

BNA_M

ClientSampled :

CB6N9

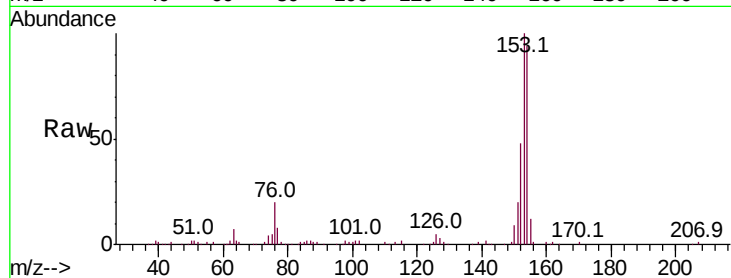
Tot Ion:153 Resp: 143154

Ion Ratio Lower Upper

153 100

152 47.6 37.3 55.9

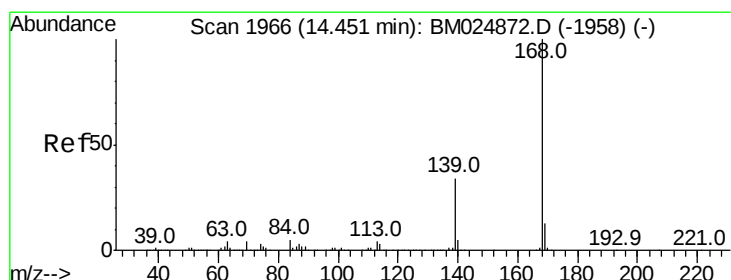
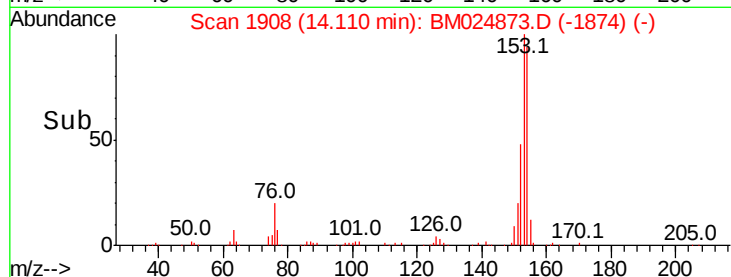
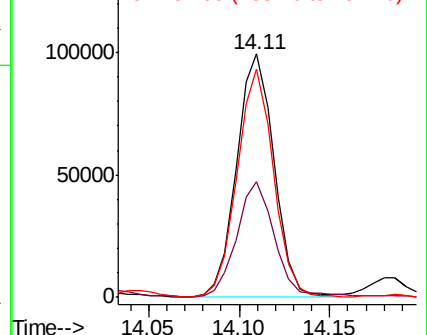
154 94.0 74.1 111.1



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: 1.250 ng/ul

RT: 14.45 min Scan# 1966

Delta R.T. 0.00 min

Lab File: BM024873.D

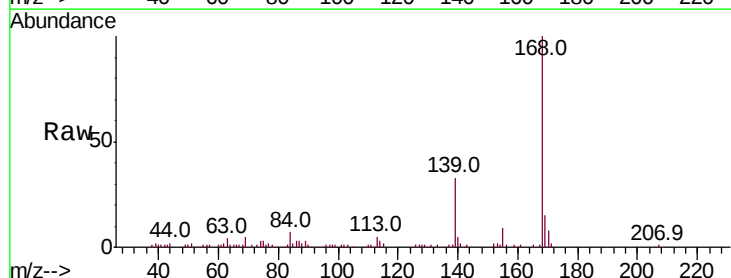
Acq: 14 Feb 2020 02:45

Tgt Ion:168 Resp: 124872

Ion Ratio Lower Upper

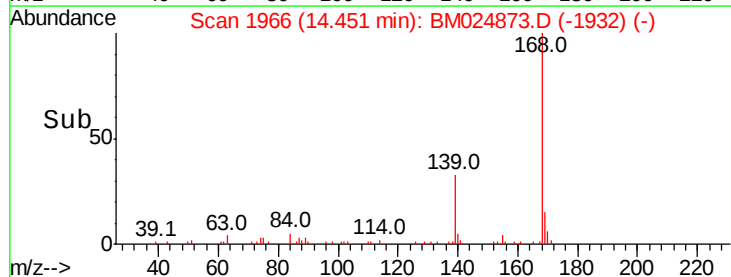
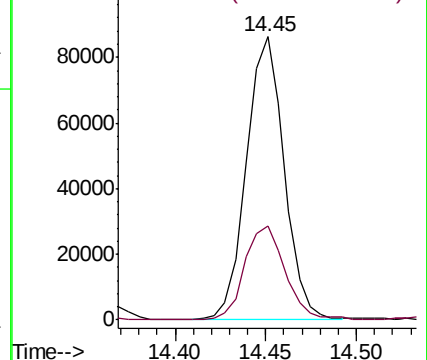
168 100

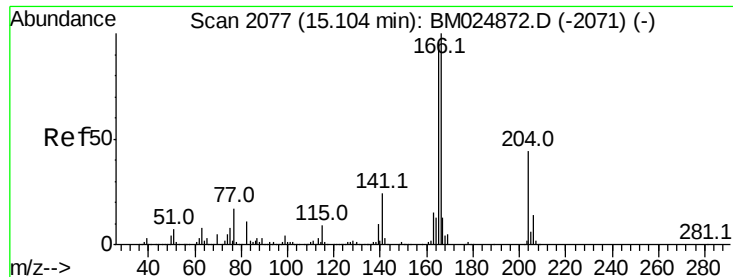
139 33.1 27.8 41.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.767 ng/ul

RT: 15.10 min Scan# 2077

Delta R.T. 0.00 min

Lab File: BM024873.D

Acq: 14 Feb 2020 02:45

Instrument :

BNA_M

ClientSampleId :

CB6N9

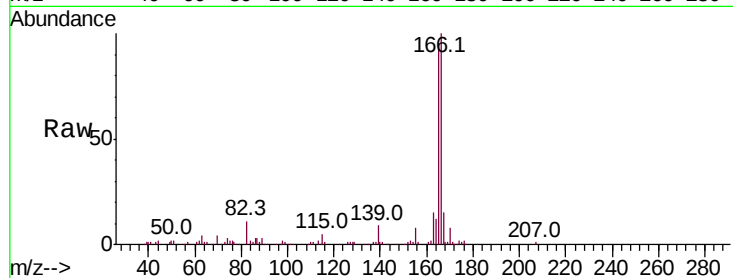
Tot Ion:166 Resp: 145438

Ion Ratio Lower Upper

166 100

165 94.7 75.8 113.8

167 15.4 10.6 16.0

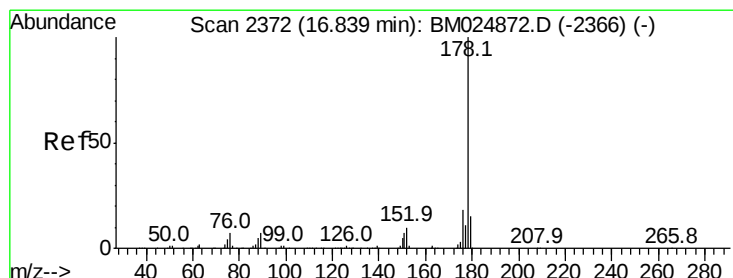
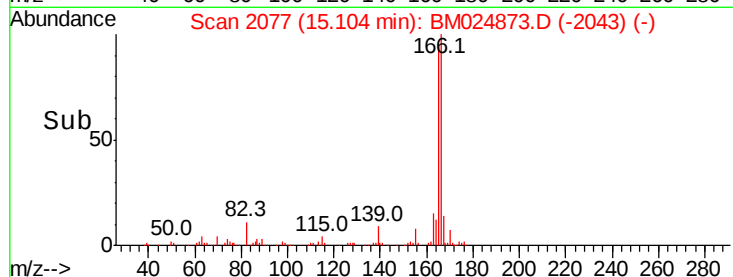
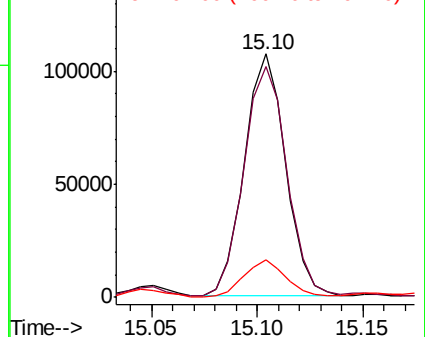


Abundance

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: 20.685 ng/ul

RT: 16.84 min Scan# 2373

Delta R.T. 0.01 min

Lab File: BM024873.D

Acq: 14 Feb 2020 02:45

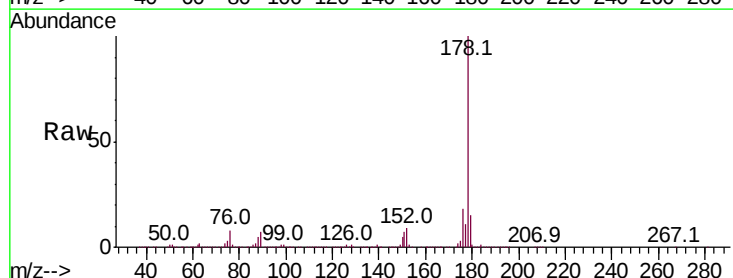
Tgt Ion:178 Resp: 2526582

Ion Ratio Lower Upper

178 100

179 14.7 12.2 18.2

176 18.3 14.5 21.7

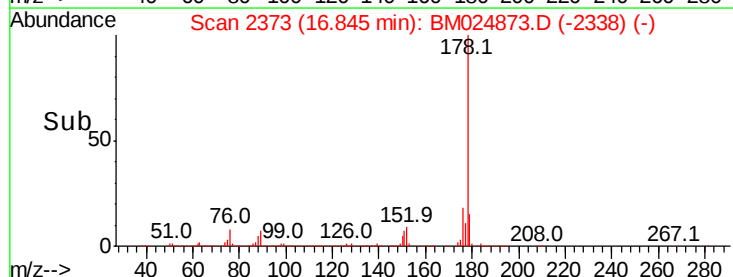
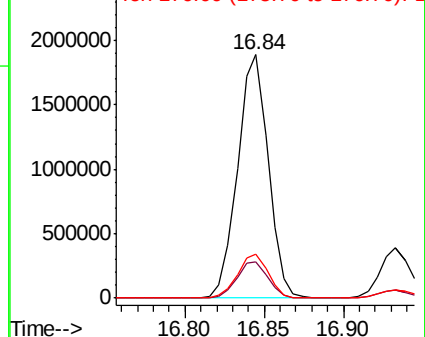


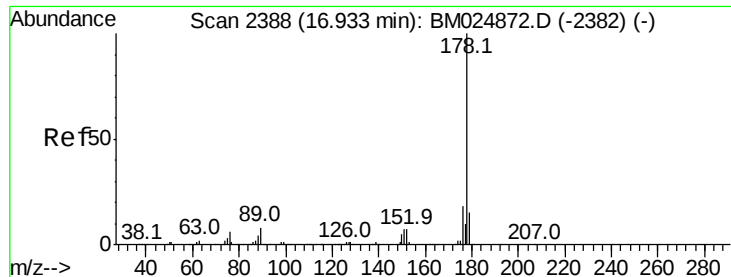
Abundance

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: 4.164 ng/ul

RT: 16.93 min Scan# 2388

Delta R.T. 0.00 min

Lab File: BM024873.D

Acq: 14 Feb 2020 02:45

Instrument :

BNA_M

ClientSampleId :

CB6N9

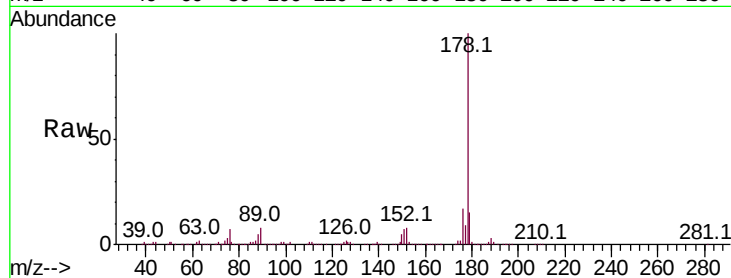
Tot Ion:178 Resp: 515852

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

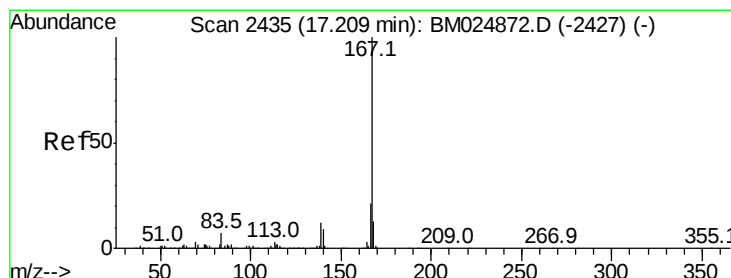
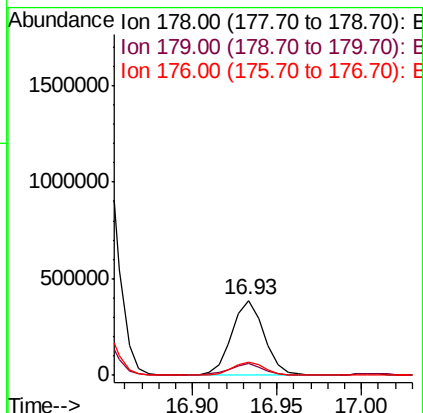
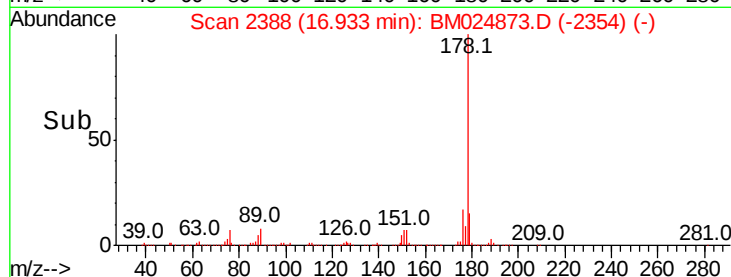
176 17.2 14.1 21.1



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: 1.614 ng/ul

RT: 17.21 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BM024873.D

Acq: 14 Feb 2020 02:45

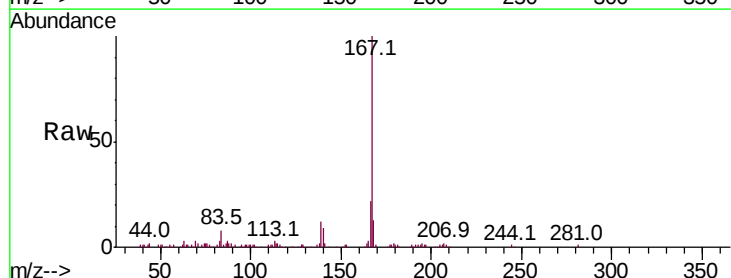
Tgt Ion:167 Resp: 166526

Ion Ratio Lower Upper

167 100

166 22.2 16.6 24.8

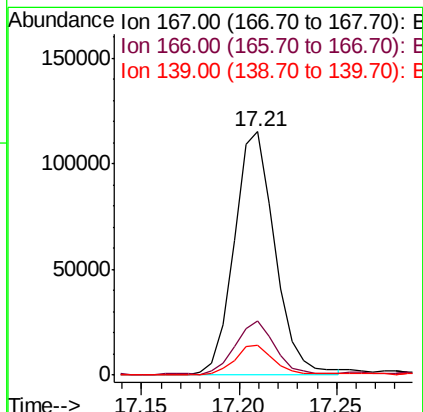
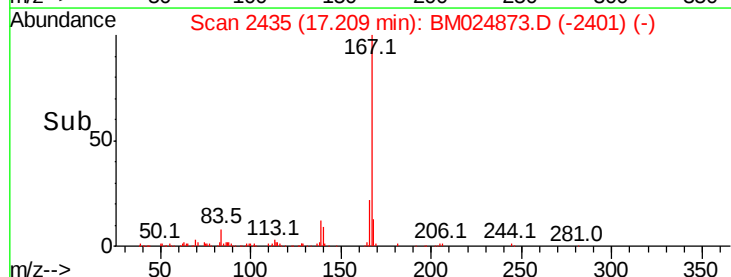
139 12.3 9.3 13.9

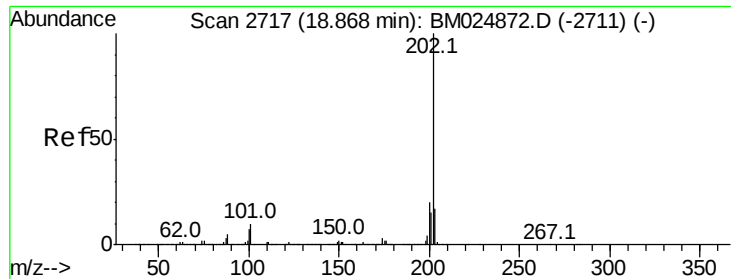


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

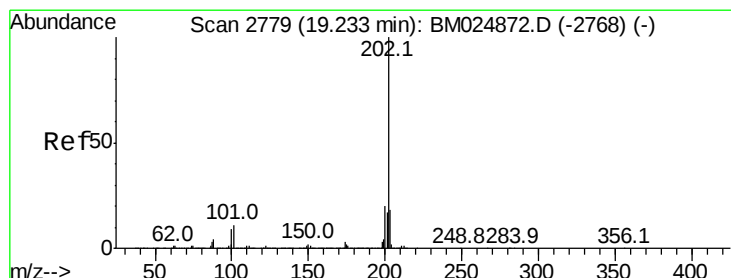
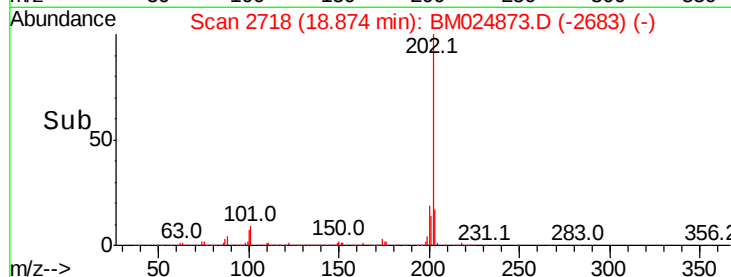
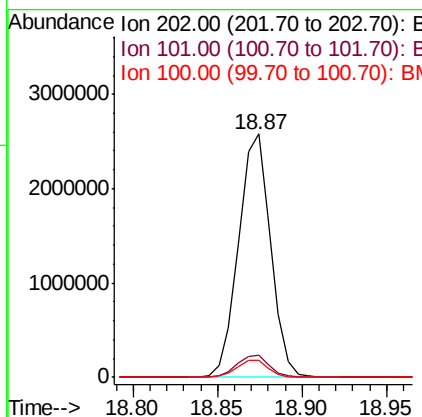
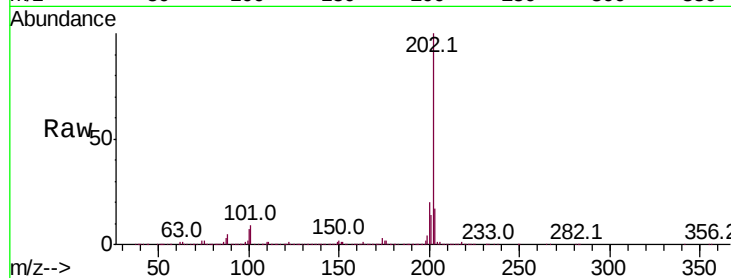




#77
Fluoranthene
Concen: 22.707 ng/ul
RT: 18.87 min Scan# 2718
Delta R.T. 0.01 min
Lab File: BM024873.D
Acq: 14 Feb 2020 02:45

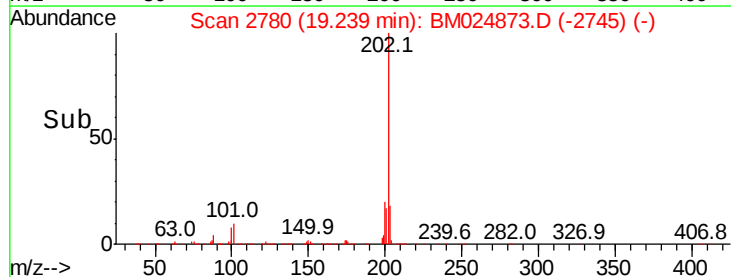
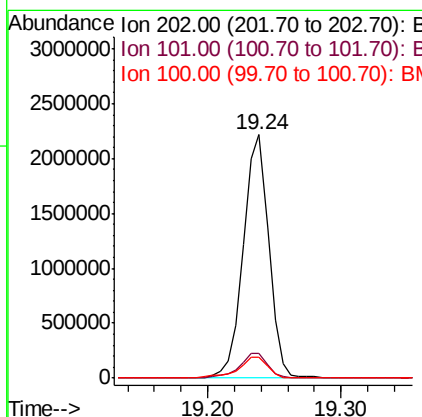
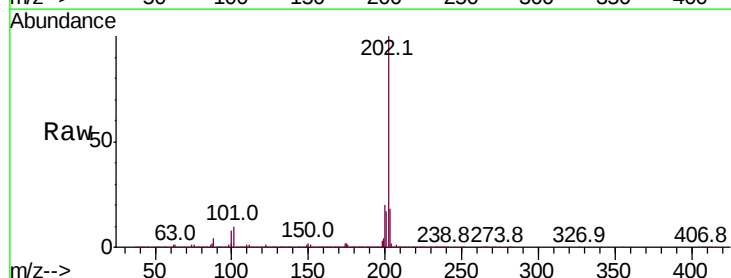
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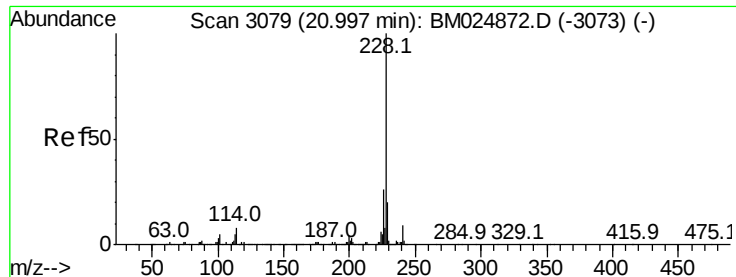
Tot Ion:202 Resp: 3404866
Ion Ratio Lower Upper
202 100
101 9.0 6.1 9.1
100 7.0 4.8 7.2



#80
Pyrene
Concen: 19.646 ng/ul
RT: 19.24 min Scan# 2780
Delta R.T. 0.01 min
Lab File: BM024873.D
Acq: 14 Feb 2020 02:45

Tgt Ion:202 Resp: 2910227
Ion Ratio Lower Upper
202 100
101 10.3 7.0 10.4
100 8.4 5.8 8.8

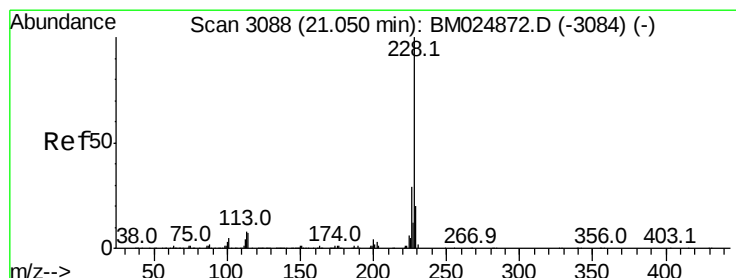
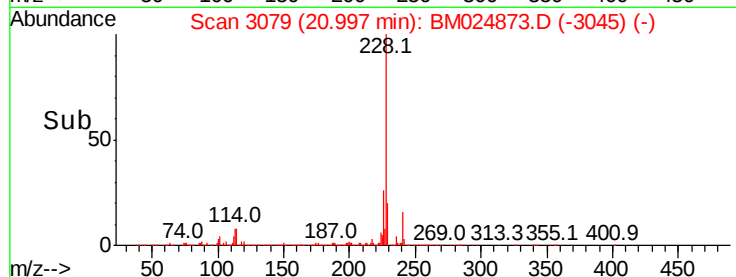
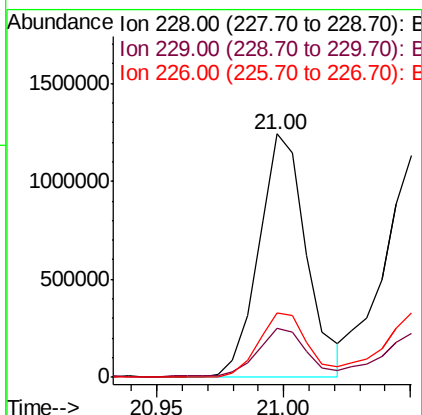
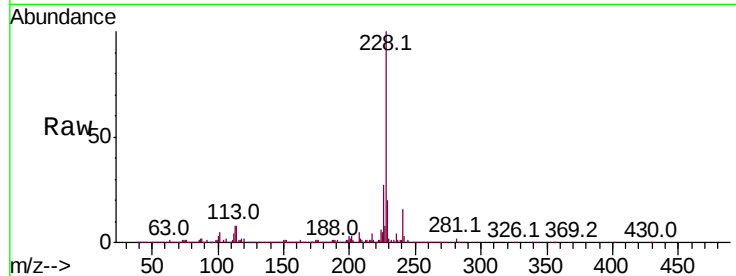




#83
Benzo(a)anthracene
Concen: 10.807 ng/ul
RT: 21.00 min Scan# 3079
Delta R.T. 0.00 min
Lab File: BM024873.D
Acq: 14 Feb 2020 02:45

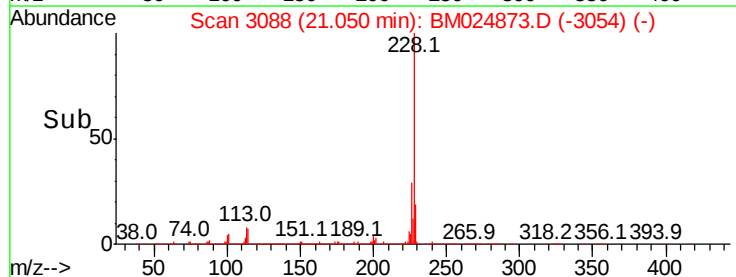
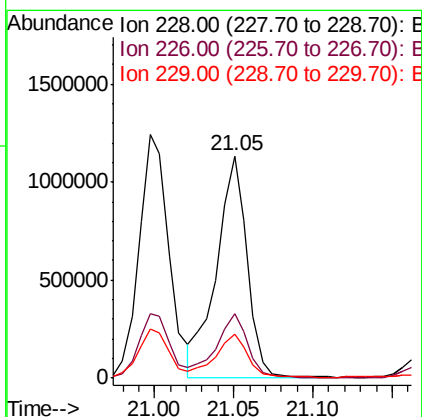
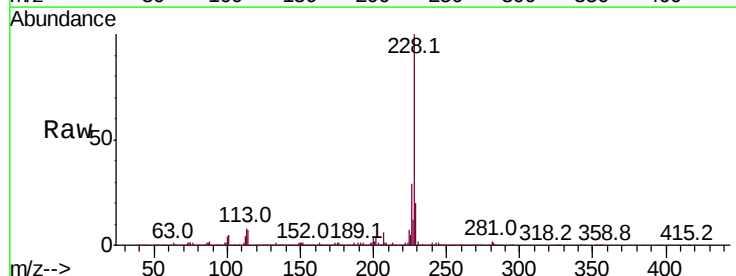
Instrument :
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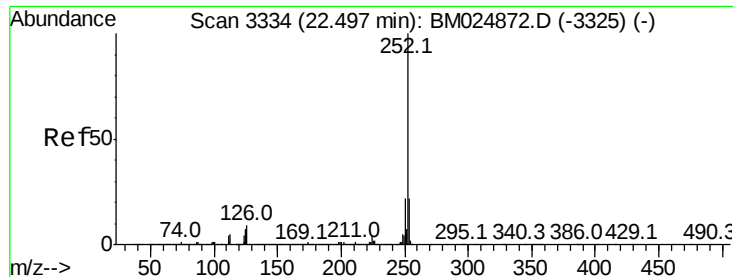
Tot Ion:228 Resp: 1629112
Ion Ratio Lower Upper
228 100
229 20.1 15.9 23.9
226 26.6 20.8 31.2



#85
Chrysene
Concen: 10.244 ng/ul
RT: 21.05 min Scan# 3088
Delta R.T. 0.00 min
Lab File: BM024873.D
Acq: 14 Feb 2020 02:45

Tgt Ion:228 Resp: 1520268
Ion Ratio Lower Upper
228 100
226 28.7 23.0 34.4
229 19.7 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 13.096 ng/ul

RT: 22.50 min Scan# 3335

Delta R.T. 0.01 min

Lab File: BM024873.D

Acq: 14 Feb 2020 02:45

Instrument :

BNA_M

ClientSampleId :

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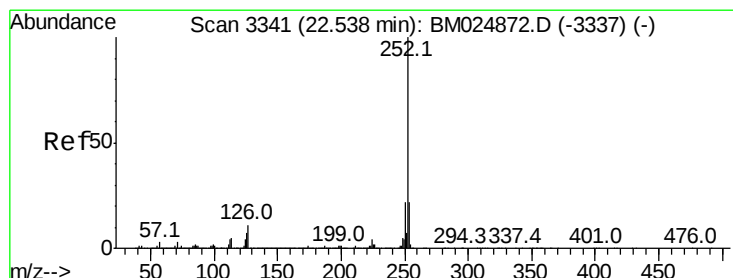
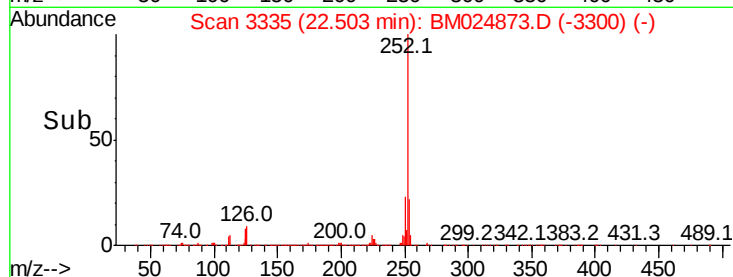
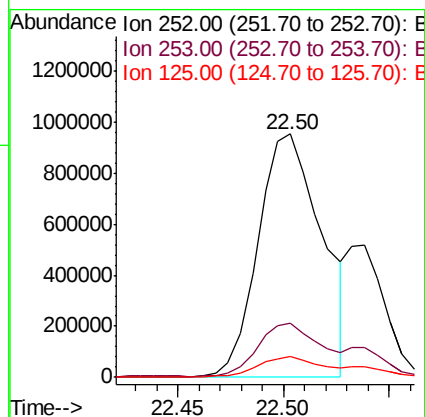
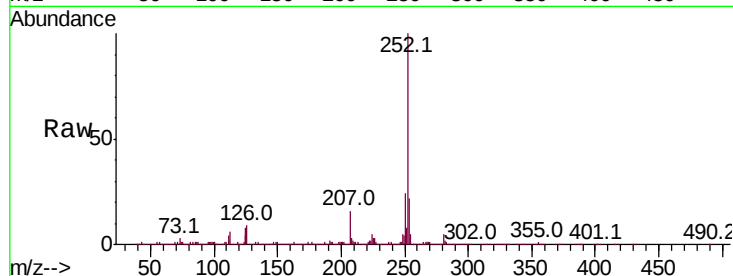
Tot Ion:252 Resp: 1985439

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 8.4 5.1 7.7#



#89

Benzo(k)fluoranthene

Concen: 4.323 ng/ul

RT: 22.54 min Scan# 3341

Delta R.T. 0.00 min

Lab File: BM024873.D

Acq: 14 Feb 2020 02:45

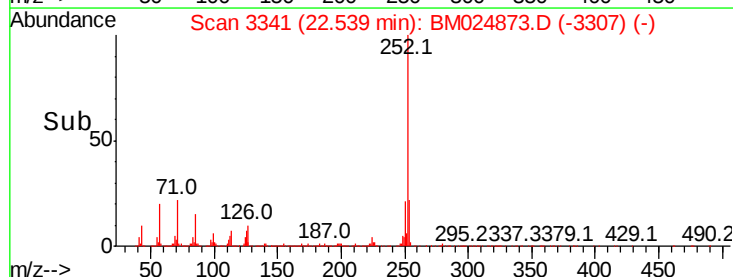
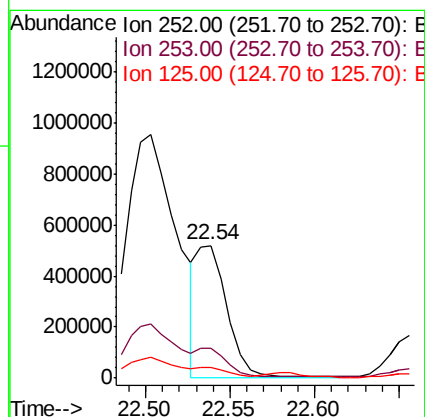
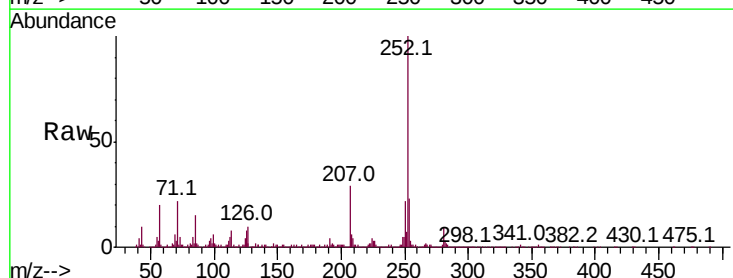
Tgt Ion:252 Resp: 630895

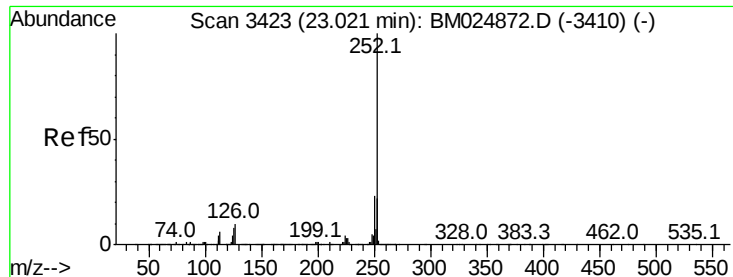
Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 7.7 5.1 7.7#





#91

Benzo(a)pyrene

Concen: 9.036 ng/ul

RT: 23.03 min Scan# 3424

Delta R.T. 0.01 min

Lab File: BM024873.D

Acq: 14 Feb 2020 02:45

Instrument :

BNA_M

ClientSampleId :

CB6N9

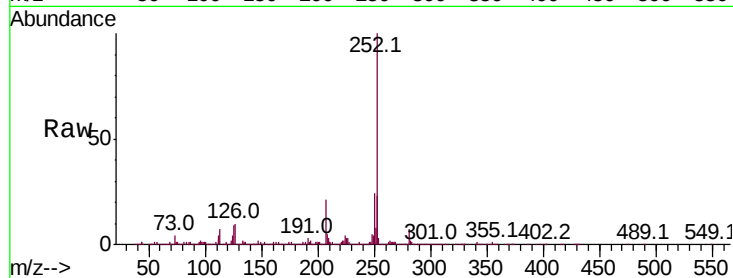
Tot Ion:252 Resp: 1228174

Ion Ratio Lower Upper

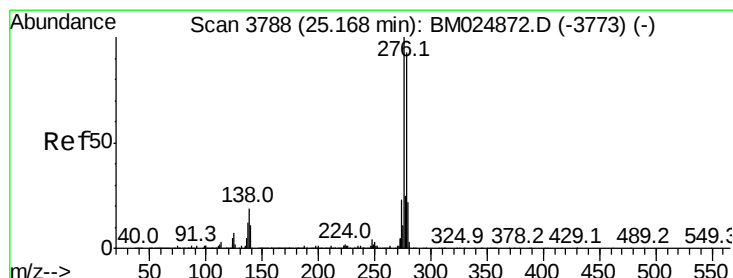
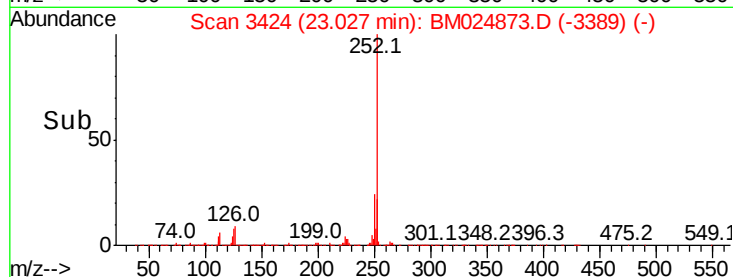
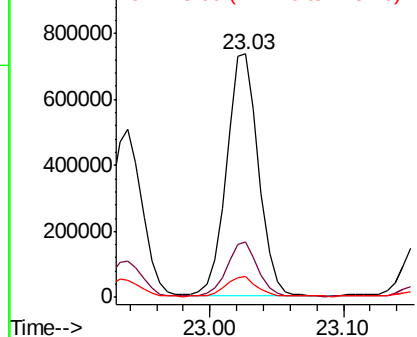
252 100

253 22.6 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: 5.328 ng/ul

RT: 25.16 min Scan# 3786

Delta R.T. -0.01 min

Lab File: BM024873.D

Acq: 14 Feb 2020 02:45

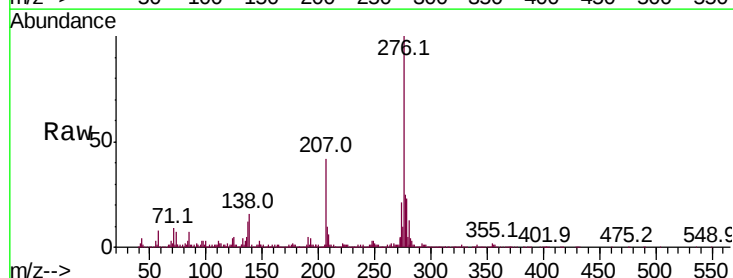
Tgt Ion:276 Resp: 901558

Ion Ratio Lower Upper

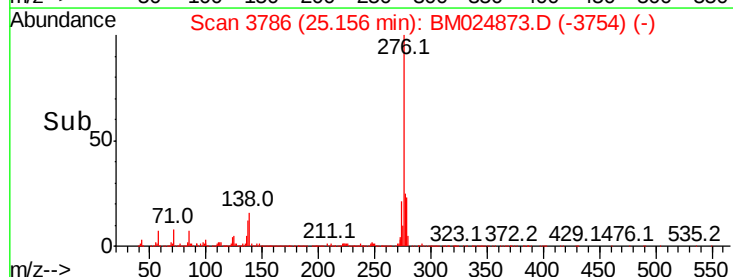
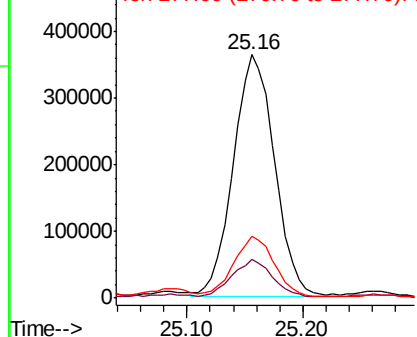
276 100

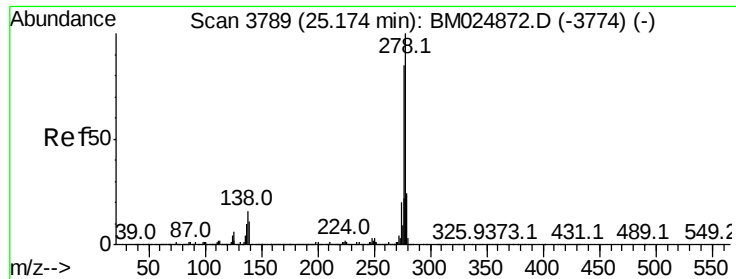
138 15.8 12.8 19.2

277 25.2 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: 1.810 ng/ul

RT: 25.16 min Scan# 3787

Delta R.T. -0.01 min

Lab File: BM024873.D

Acq: 14 Feb 2020 02:45

Instrument :

BNA_M

ClientSampleId :

CB6N9

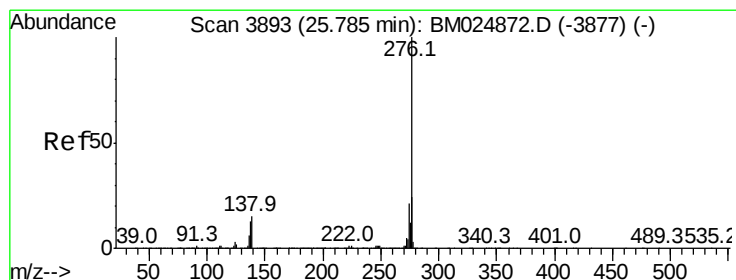
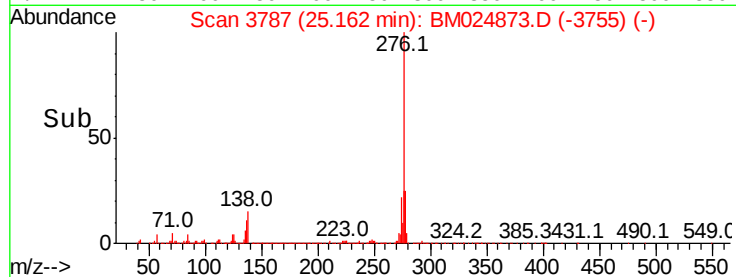
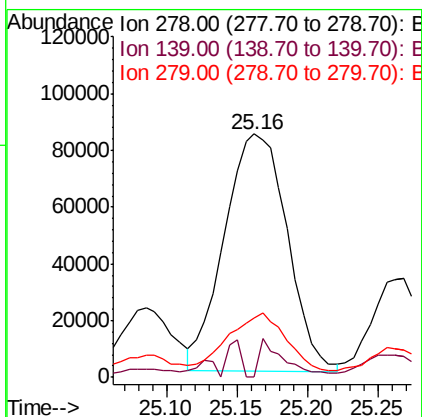
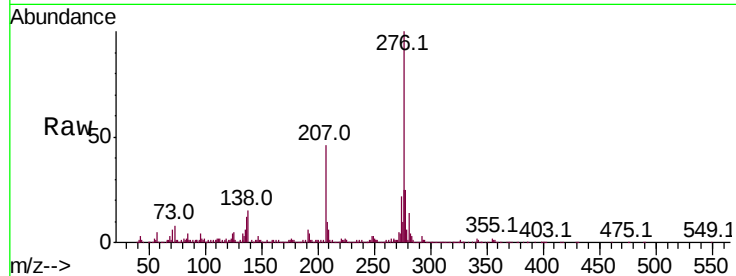
Tot Ion:278 Resp: 260944

Ion Ratio Lower Upper

278 100

139 0.0 8.4 12.6#

279 24.4 18.5 27.7



#94

Benzo(g,h,i)perylene

Concen: 4.813 ng/ul

RT: 25.78 min Scan# 3892

Delta R.T. -0.01 min

Lab File: BM024873.D

Acq: 14 Feb 2020 02:45

Tgt Ion:276 Resp: 677384

Ion Ratio Lower Upper

276 100

138 15.2 11.8 17.6

277 22.0 19.0 28.6

