

Data File : BM024843.D
Acq On : 11 Feb 2020 20:28
Operator : CG/JU
Sample : L1405-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB6P5

Quant Time: Feb 12 04:43:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 04:40:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	324558	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	1275945	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.05	164	798147	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.81	188	1631064	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1553968	20.00	ng/ul	0.00
86) Perylene-d12	23.12	264	1609008	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.01	96	33125	4.91	ng/uL	0.00
5) Phenol-d5	6.60	99	589572	27.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	360164	29.58	ng/ul	0.00
9) 2-Chlorophenol-d4	6.94	132	538741	27.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	494796	27.20	ng/ul	0.00
19) Nitrobenzene-d5	8.54	128	266905	28.93	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	310643	28.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	559238	25.43	ng/ul	0.00
29) 4-Chloroaniline-d4	10.30	131	678859	33.00	ng/ul	0.00
44) Dimethylphthalate-d6	13.48	166	1717847	28.51	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	2052336	29.17	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	215853	22.05	ng/ul	0.00
58) Fluorene-d10	15.06	176	1469194	27.54	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	232504	21.87	ng/ul	0.00
71) Anthracene-d10	16.90	188	2086215	28.02	ng/ul	0.00
79) Pyrene-d10	19.22	212	2317315	29.81	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	2436333	30.15	ng/ul	0.00

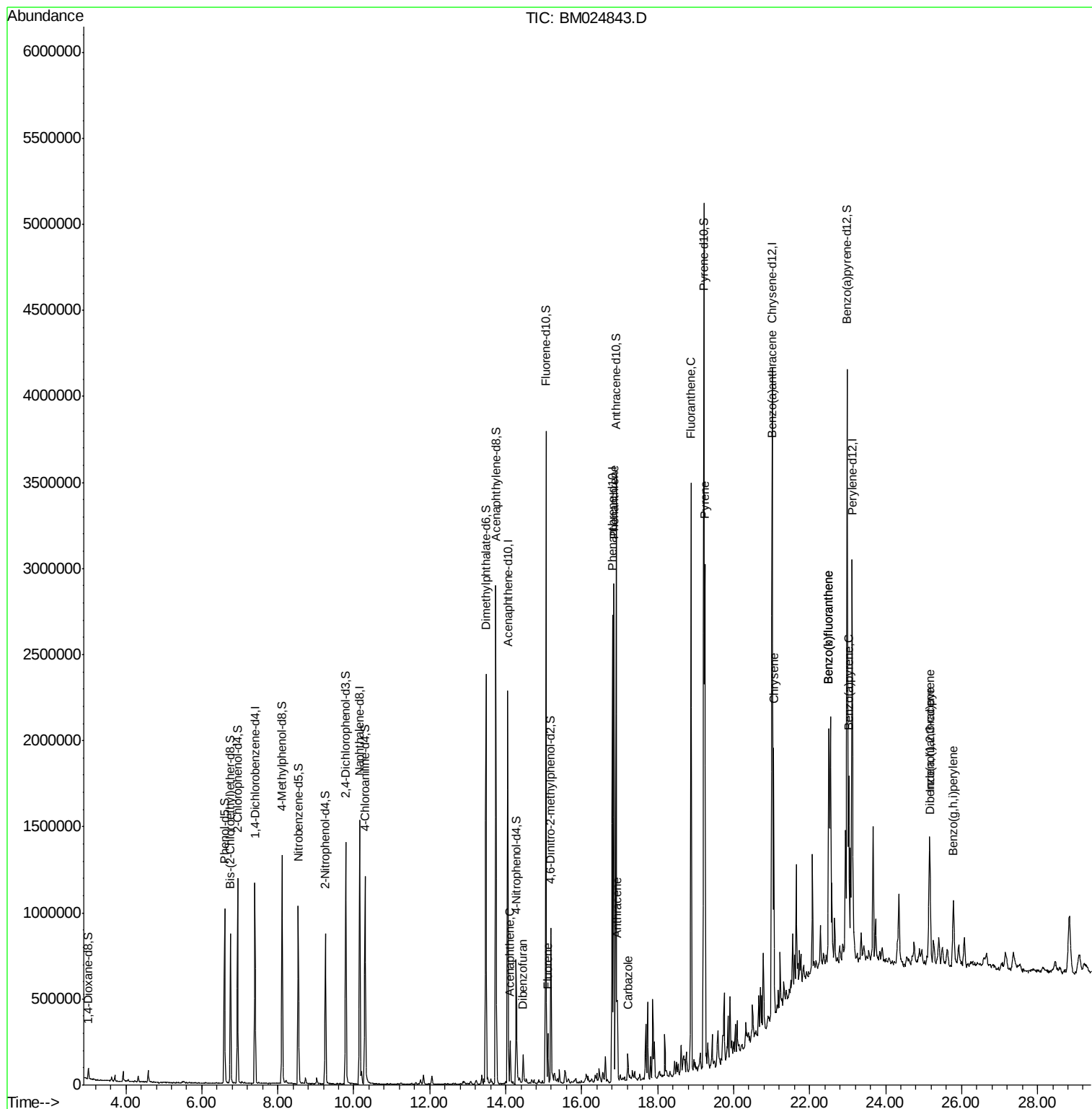
Target Compounds				Qvalue		
50) Acenaphthene	14.12	153	98689	2.005	ng/ul	96
54) Dibenzofuran	14.46	168	103223	1.407	ng/ul	99
59) Fluorene	15.11	166	110765	1.832	ng/ul	97
70) Phenanthrene	16.85	178	1740221	19.568	ng/ul	99
72) Anthracene	16.94	178	333317	3.696	ng/ul	99
75) Carbazole	17.22	167	97903	1.303	ng/ul	99
77) Fluoranthene	18.88	202	2162003	19.803	ng/ul	99
80) Pyrene	19.24	202	1834584	17.835	ng/ul	96
83) Benzo(a)anthracene	21.00	228	1007526	9.625	ng/ul	100
85) Chrysene	21.06	228	906336	8.795	ng/ul	99
88) Benzo(b)fluoranthene	22.51	252	1208165	11.808	ng/ul	98
89) Benzo(k)fluoranthene	22.51	252	1208165	12.268	ng/ul	98
91) Benzo(a)pyrene	23.03	252	761634	8.303	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.17	276	542824	4.753	ng/ul	98
93) Dibenzo(a,h)anthracene	25.18	278	154019	1.583	ng/ul#	95
94) Benzo(g,h,i)perylene	25.79	276	457217	4.814	ng/ul	98

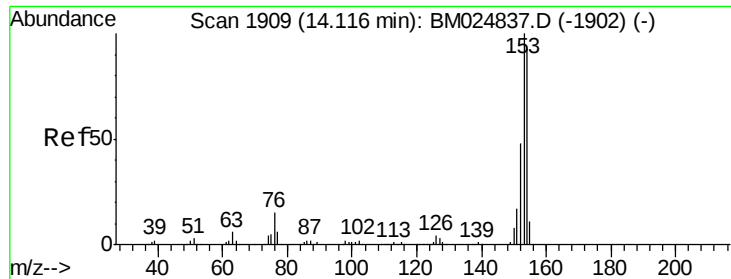
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#50

Acenaphthene

Concen: 2.005 ng/ul

RT: 14.12 min Scan# 1909

Delta R.T. 0.00 min

Lab File: BM024843.D

Acq: 11 Feb 2020 20:28

Instrument :

BNA_M

ClientSampleId :

CB6P5

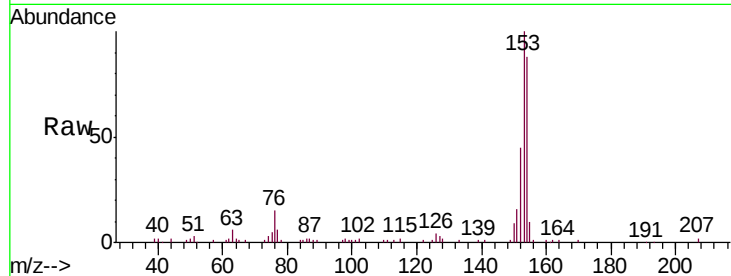
Tgt Ion:153 Resp: 98689

Ion Ratio Lower Upper

153 100

152 45.5 37.3 55.9

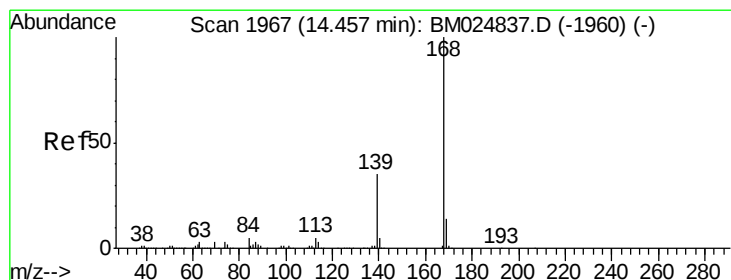
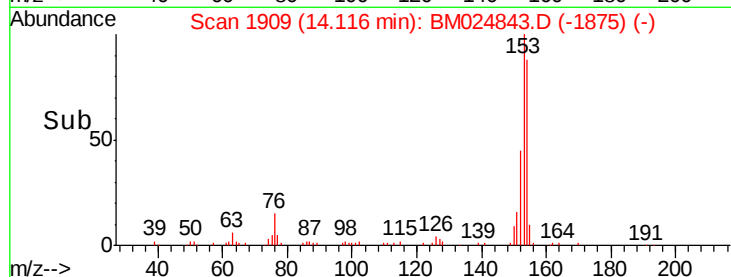
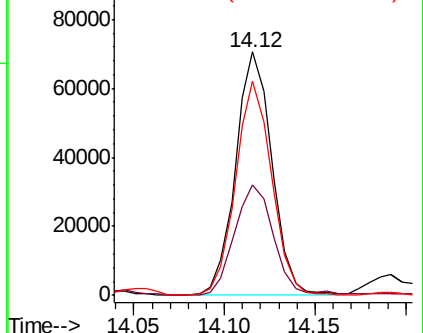
154 88.2 74.1 111.1



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: 1.407 ng/ul

RT: 14.46 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BM024843.D

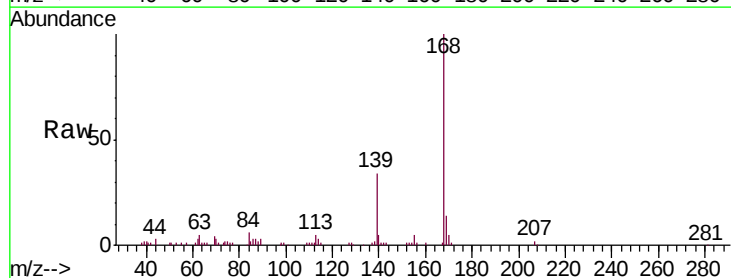
Acq: 11 Feb 2020 20:28

Tgt Ion:168 Resp: 103223

Ion Ratio Lower Upper

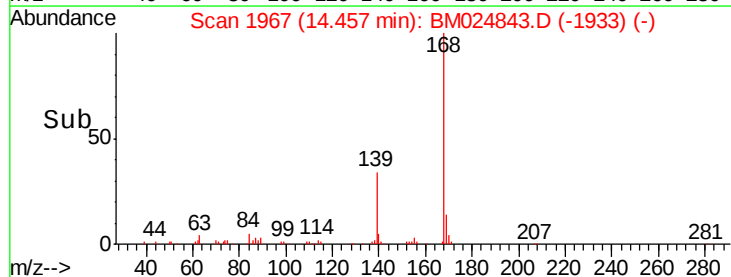
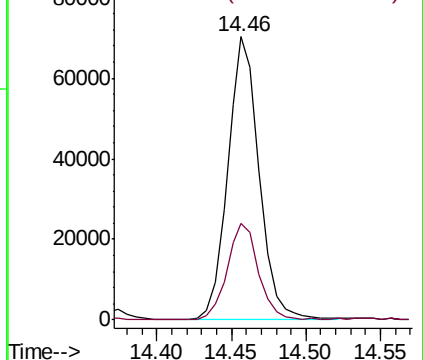
168 100

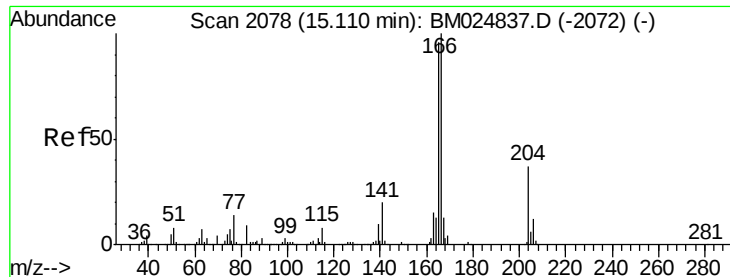
139 34.2 27.8 41.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.832 ng/ul

RT: 15.11 min Scan# 2078

Delta R.T. 0.00 min

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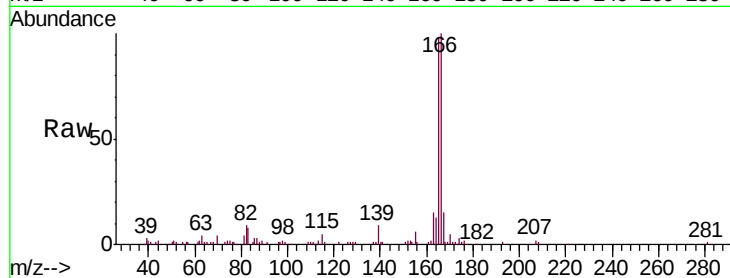
Tgt Ion:166 Resp: 110765

Ion Ratio Lower Upper

166 100

165 97.7 75.8 113.8

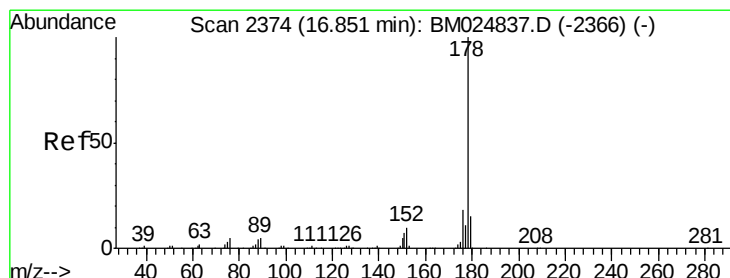
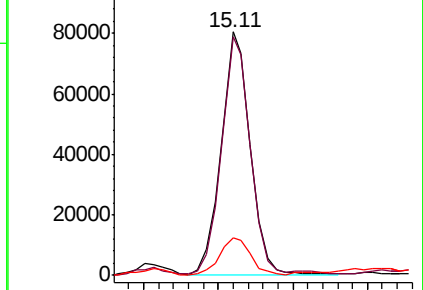
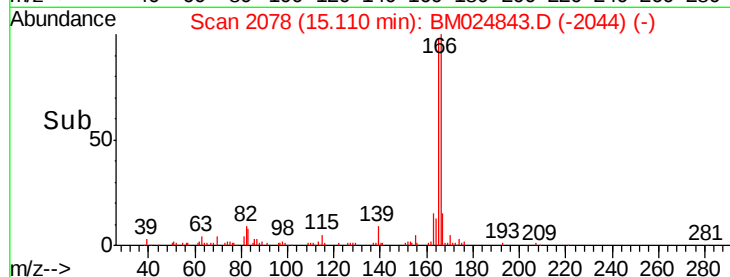
167 15.3 10.6 16.0



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: 19.568 ng/ul

RT: 16.85 min Scan# 2374

Delta R.T. 0.00 min

Lab File: BM024843.D

Acq: 11 Feb 2020 20:28

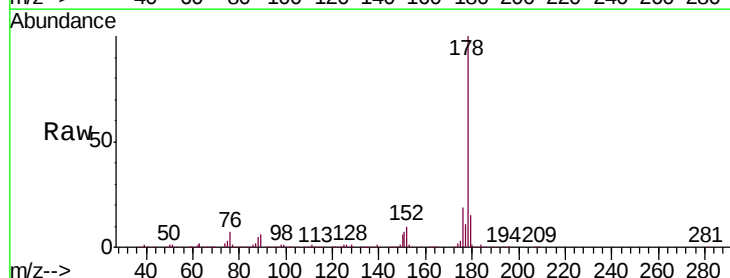
Tgt Ion:178 Resp: 1740221

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.2

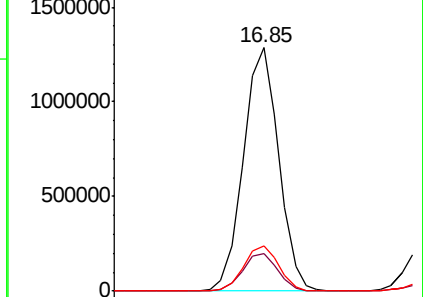
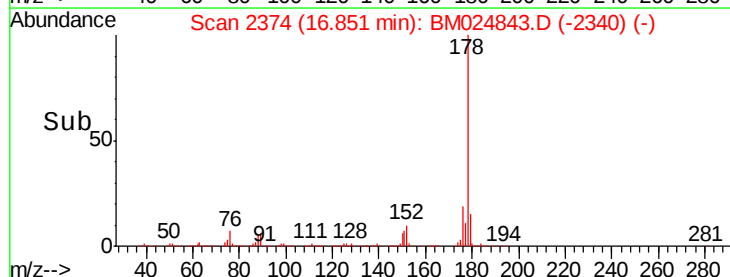
176 18.7 14.5 21.7

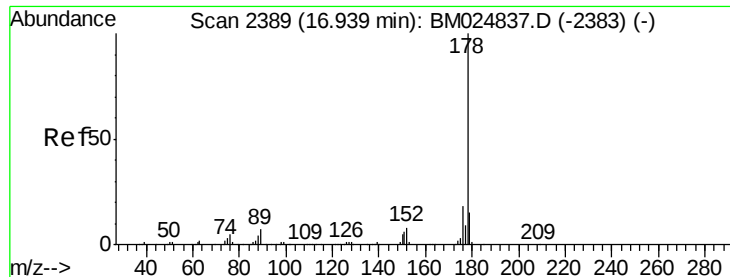


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

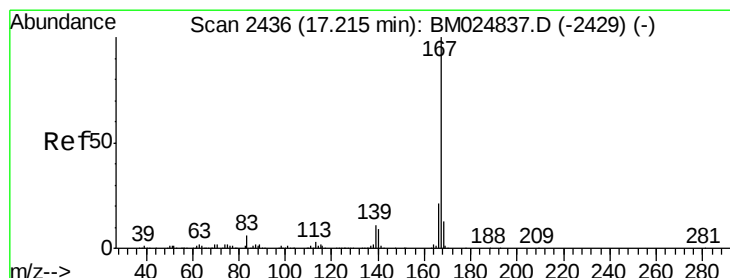
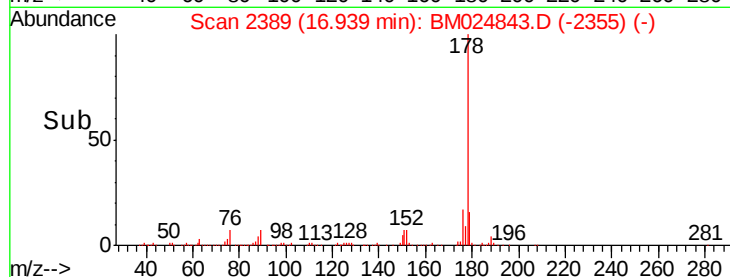
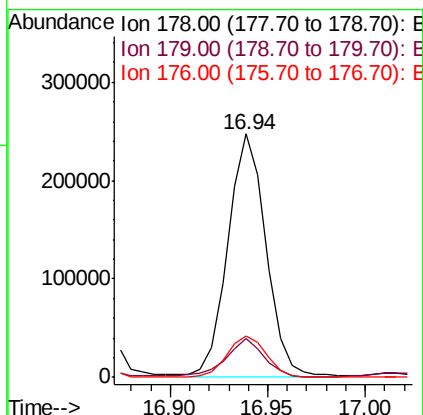
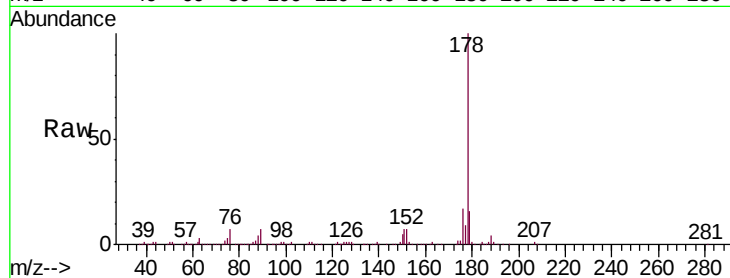




#72
 Anthracene
 Concen: 3.696 ng/ul
 RT: 16.94 min Scan# 2389
 Delta R.T. 0.00 min
 Lab File: BM024843.D
 Acq: 11 Feb 2020 20:28

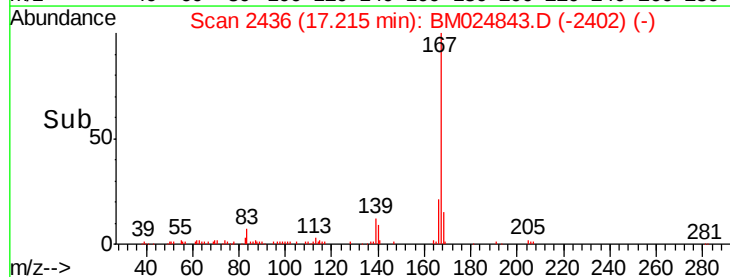
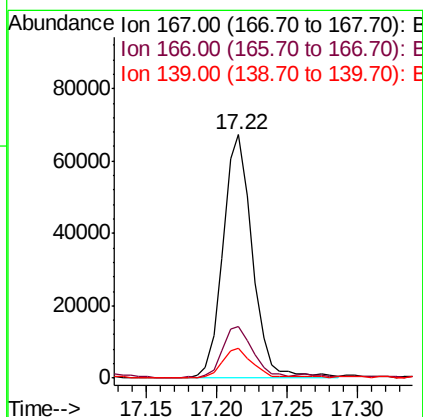
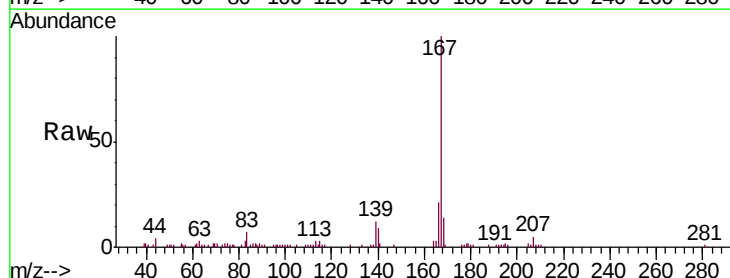
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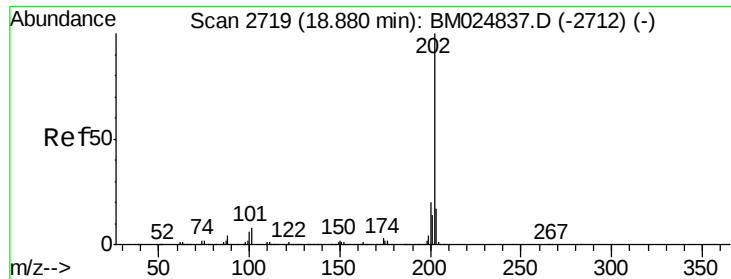
Tgt Ion:178 Resp: 333317
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.3 18.5
 176 17.2 14.1 21.1



#75
 Carbazole
 Concen: 1.303 ng/ul
 RT: 17.22 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: BM024843.D
 Acq: 11 Feb 2020 20:28

Tgt Ion:167 Resp: 97903
 Ion Ratio Lower Upper
 167 100
 166 21.0 16.6 24.8
 139 12.2 9.3 13.9

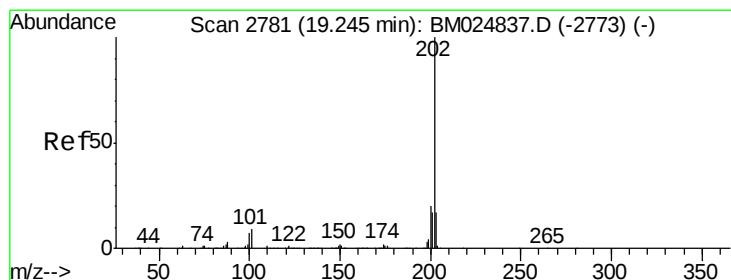
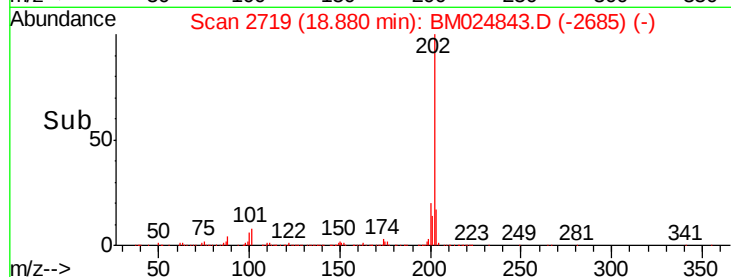
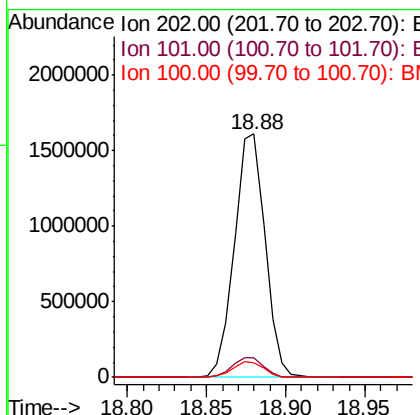
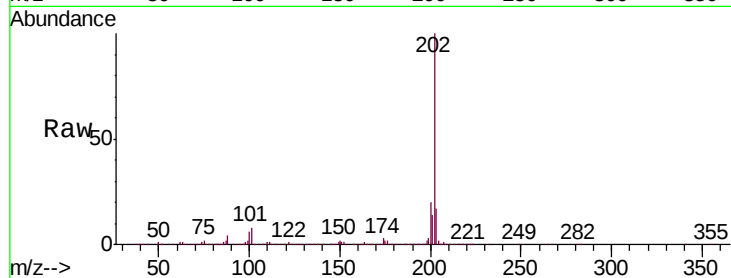




#77
Fluoranthene
 Concen: 19.803 ng/ul
 RT: 18.88 min Scan# 2719
 Delta R.T. 0.00 min
 Lab File: BM024843.D
 Acq: 11 Feb 2020 20:28

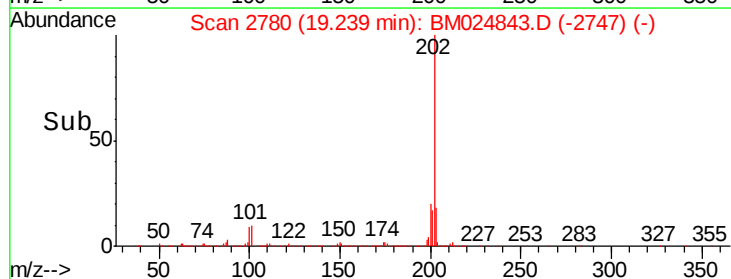
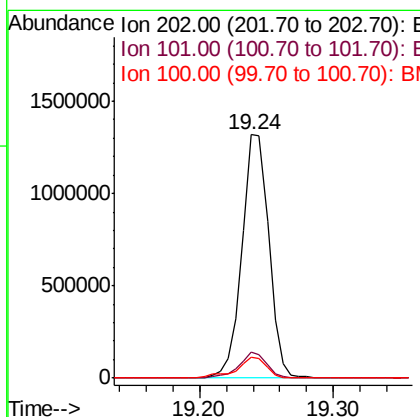
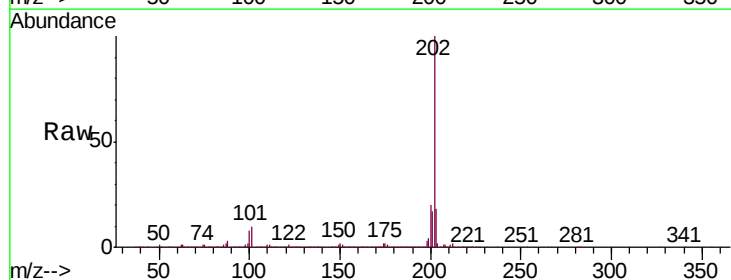
Instrument :
 BNA_M
 ClientSampleId :
 CB6P5

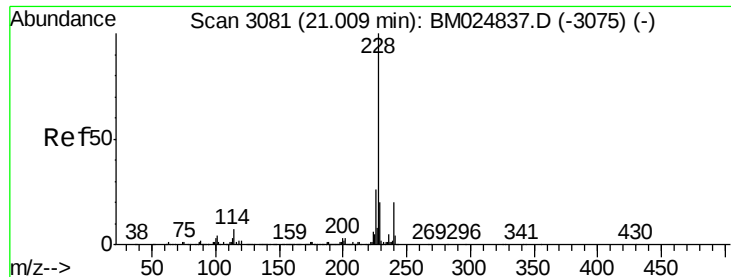
Tgt Ion:202 Resp: 2162003
 Ion Ratio Lower Upper
 202 100
 101 7.9 6.1 9.1
 100 5.7 4.8 7.2



#80
Pyrene
 Concen: 17.835 ng/ul
 RT: 19.24 min Scan# 2780
 Delta R.T. -0.01 min
 Lab File: BM024843.D
 Acq: 11 Feb 2020 20:28

Tgt Ion:202 Resp: 1834584
 Ion Ratio Lower Upper
 202 100
 101 10.4 7.0 10.4
 100 8.5 5.8 8.8





#83

Benzo(a)anthracene

Concen: 9.625 ng/ul

RT: 21.00 min Scan# 3080

Delta R.T. -0.01 min

Lab File: BM024843.D

Acq: 11 Feb 2020 20:28

Instrument :

BNA_M

ClientSampleId :

CB6P5

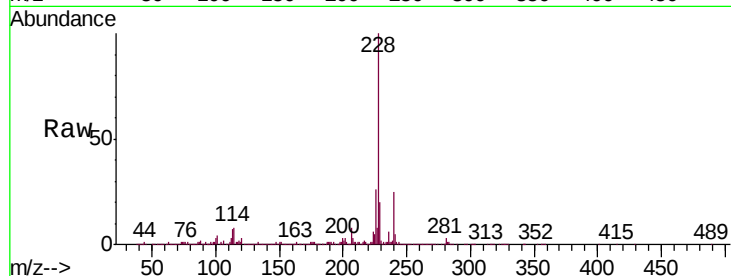
Tgt Ion:228 Resp: 1007526

Ion Ratio Lower Upper

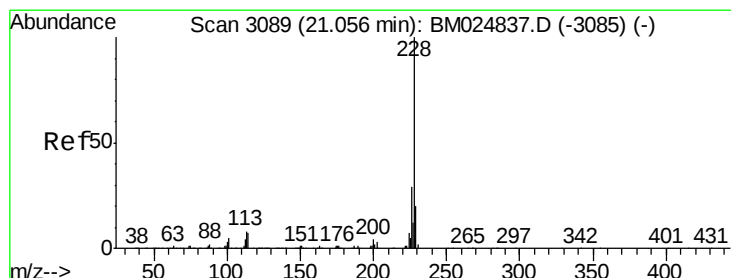
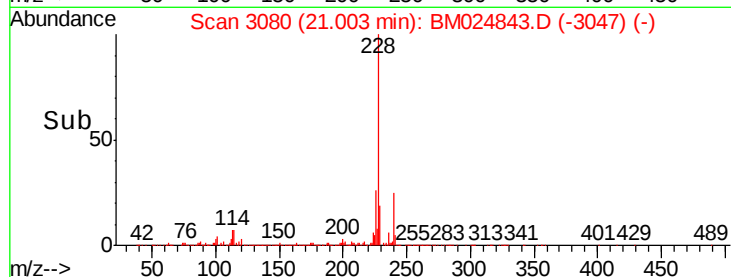
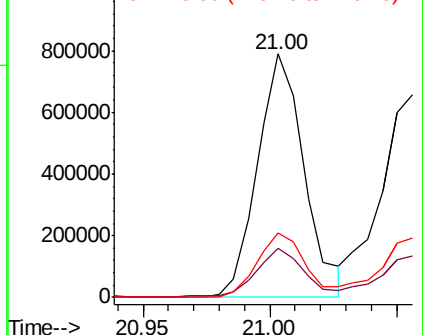
228 100

229 19.9 15.9 23.9

226 26.3 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: 8.795 ng/ul

RT: 21.06 min Scan# 3089

Delta R.T. 0.00 min

Lab File: BM024843.D

Acq: 11 Feb 2020 20:28

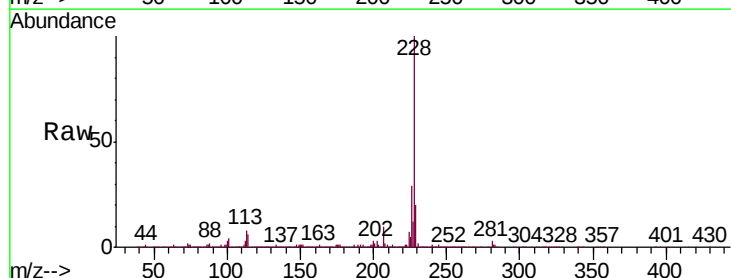
Tgt Ion:228 Resp: 906336

Ion Ratio Lower Upper

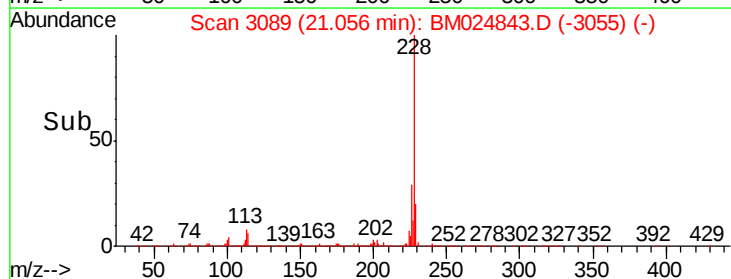
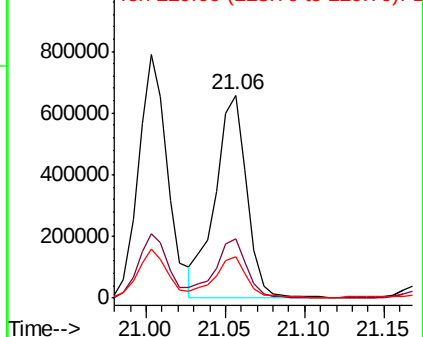
228 100

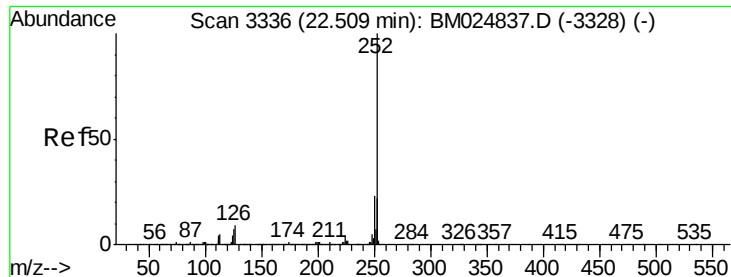
226 29.1 23.0 34.4

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: 11.808 ng/ul

RT: 22.51 min Scan# 3336

Delta R.T. 0.00 min

Lab File: BM024843.D

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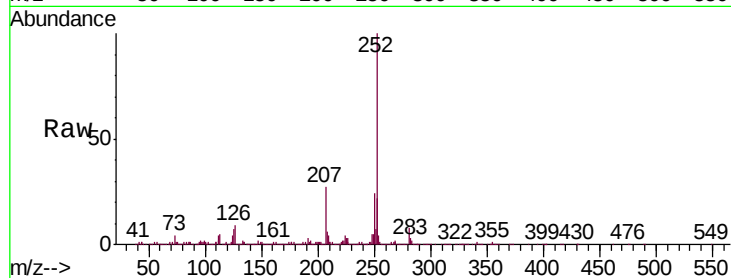
Tgt Ion:252 Resp: 1208165

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 7.2 5.1 7.7

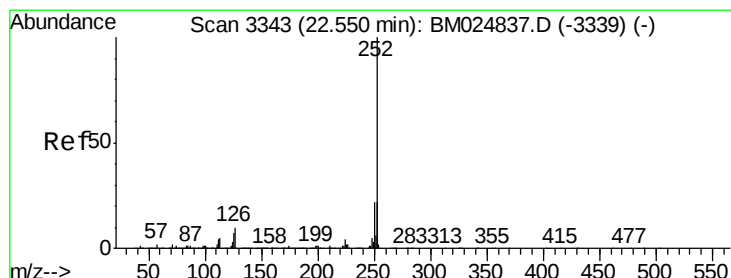
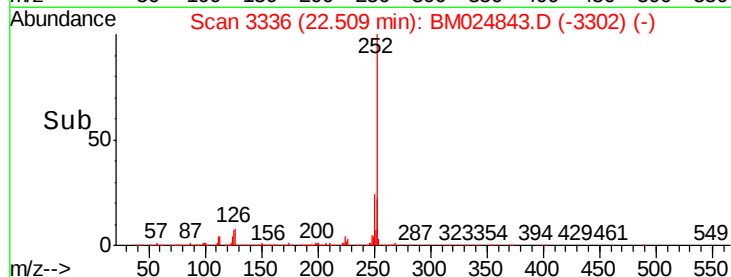
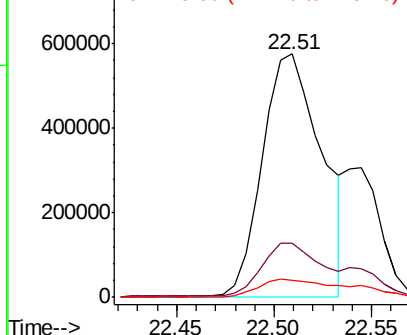


Abundance

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: 12.268 ng/ul

RT: 22.51 min Scan# 3336

Delta R.T. -0.04 min

Lab File: BM024843.D

Acq: 11 Feb 2020 20:28

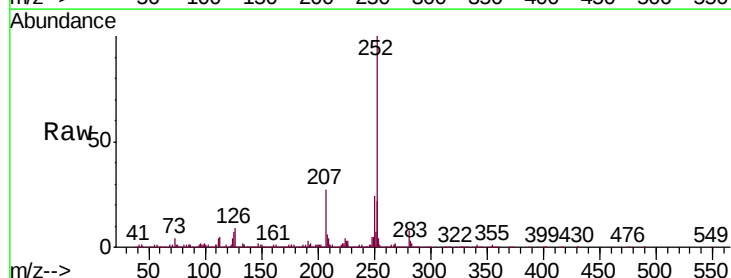
Tgt Ion:252 Resp: 1208165

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 7.2 5.1 7.7

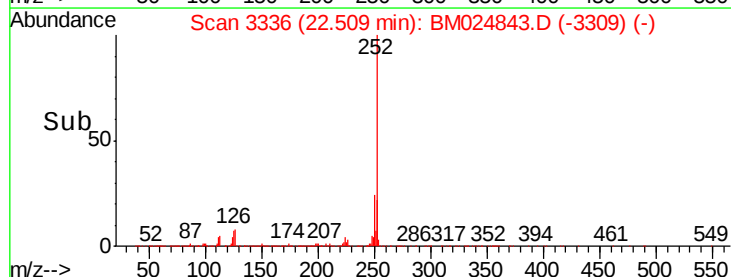
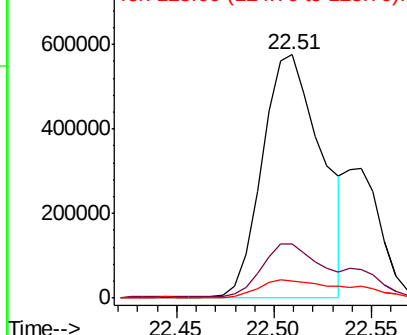


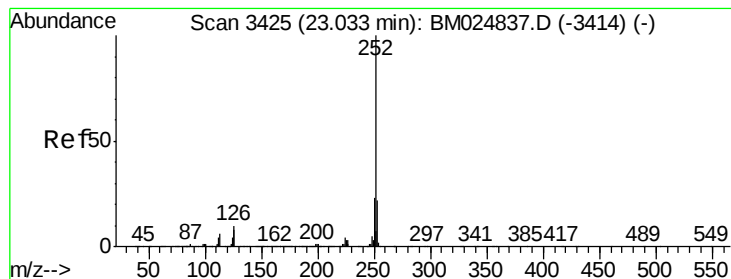
Abundance

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: 8.303 ng/ul

RT: 23.03 min Scan# 3425

Delta R.T. 0.00 min

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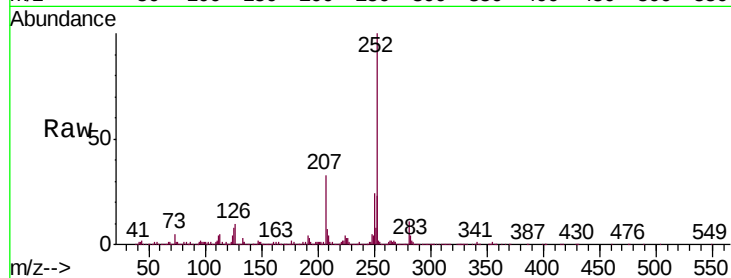
Tgt Ion:252 Resp: 761634

Ion Ratio Lower Upper

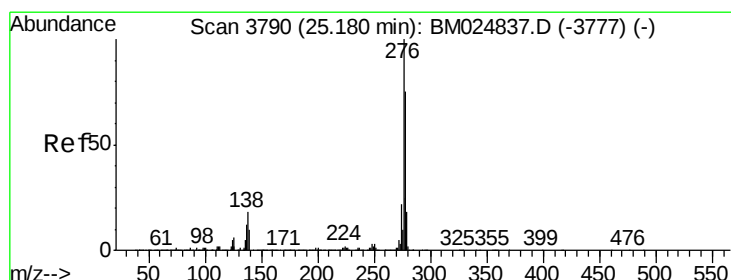
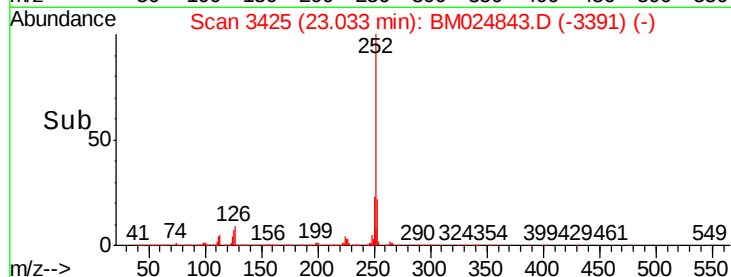
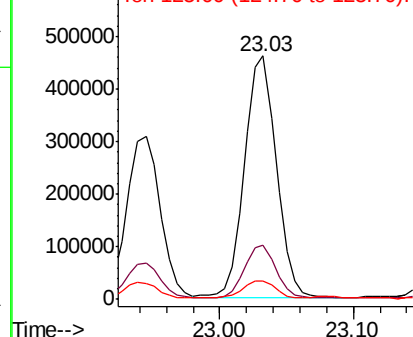
252 100

253 22.5 17.5 26.3

125 7.6 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: 4.753 ng/ul

RT: 25.17 min Scan# 3788

Delta R.T. -0.01 min

Lab File: BM024843.D

Acq: 11 Feb 2020 20:28

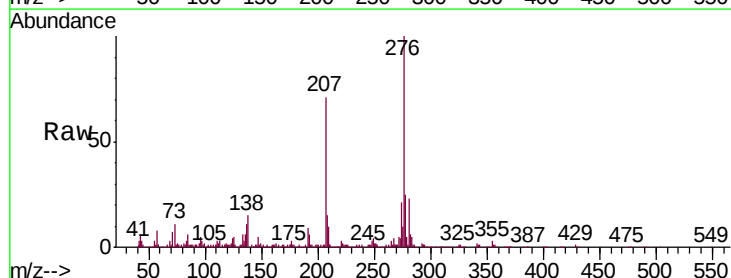
Tgt Ion:276 Resp: 542824

Ion Ratio Lower Upper

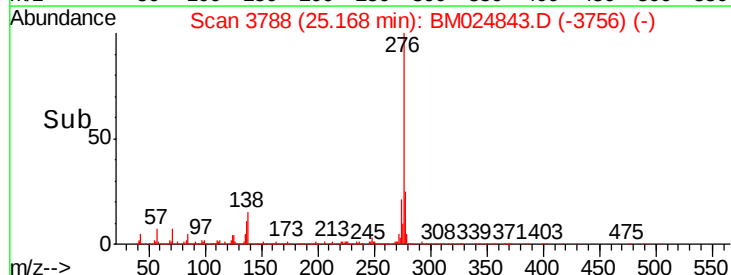
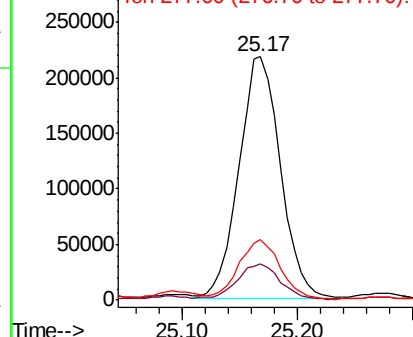
276 100

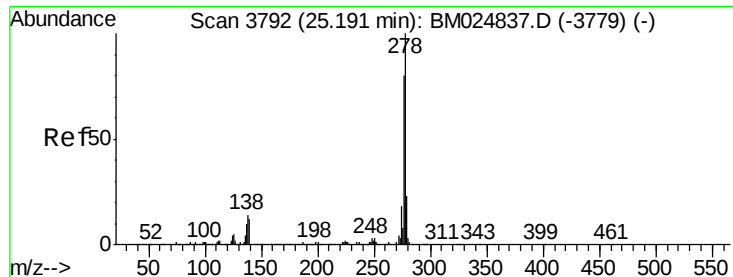
138 15.1 12.8 19.2

277 24.8 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: 1.583 ng/ul

RT: 25.18 min Scan# 3790

Delta R.T. -0.01 min

Lab File: BM024843.D

Acq: 11 Feb 2020 20:28

Instrument :

BNA_M

ClientSampleId :

CB6P5

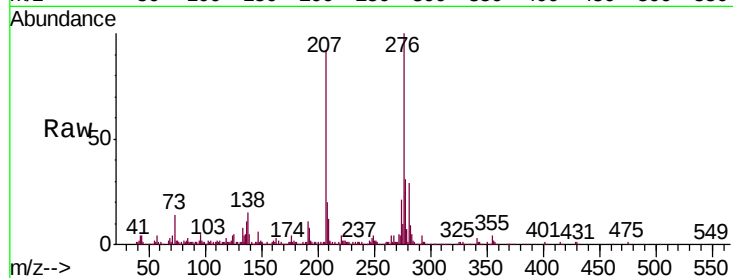
Tgt Ion:278 Resp: 154019

Ion Ratio Lower Upper

278 100

139 16.0 8.4 12.6#

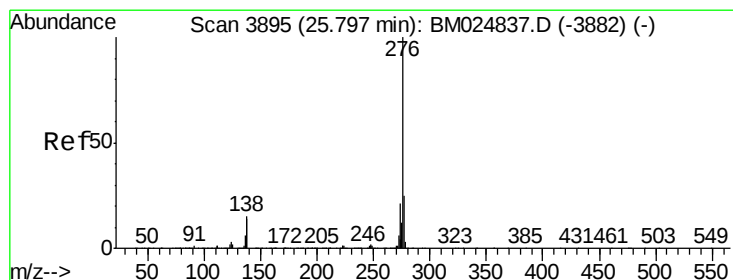
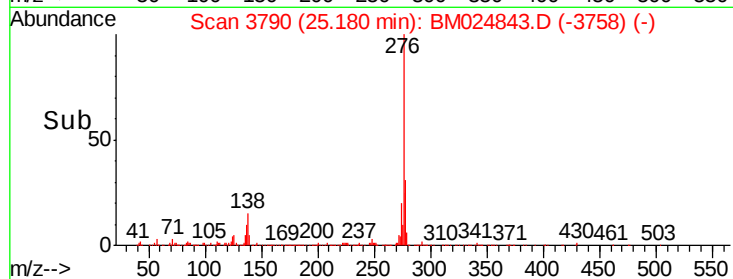
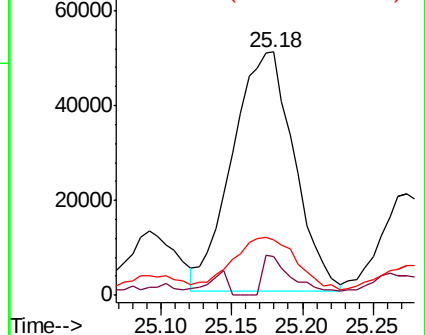
279 23.0 18.5 27.7



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: 4.814 ng/ul

RT: 25.79 min Scan# 3893

Delta R.T. -0.01 min

Lab File: BM024843.D

Acq: 11 Feb 2020 20:28

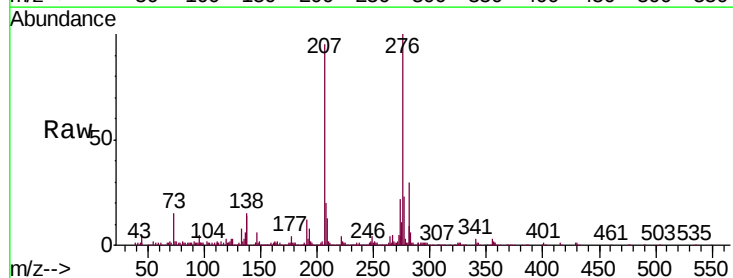
Tgt Ion:276 Resp: 457217

Ion Ratio Lower Upper

276 100

138 15.4 11.8 17.6

277 23.0 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

