

Data File : BM024845.D
Acq On : 11 Feb 2020 21:40
Operator : CG/JU
Sample : L1405-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB6P7

Quant Time: Feb 12 04:43:25 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	319863	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	1241362	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.05	164	797167	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.80	188	1657731	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1612837	20.00	ng/ul	0.00
86) Perylene-d12	23.12	264	1680141	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	25715	3.87	ng/uL	0.00
5) Phenol-d5	6.60	99	446461	21.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	269166	22.43	ng/ul	0.00
9) 2-Chlorophenol-d4	6.94	132	408584	21.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	368210	20.54	ng/ul	0.00
19) Nitrobenzene-d5	8.54	128	196618	21.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	235091	22.16	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	429738	20.08	ng/ul	0.00
29) 4-Chloroaniline-d4	10.30	131	519915	25.98	ng/ul	0.00
44) Dimethylphthalate-d6	13.48	166	1313399	21.83	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	1534356	21.83	ng/ul	0.00
52) 4-Nitrophenol-d4	14.28	143	175217	17.92	ng/ul	0.00
58) Fluorene-d10	15.06	176	1130152	21.21	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	185330	17.15	ng/ul	0.00
71) Anthracene-d10	16.90	188	1720986	22.74	ng/ul	0.00
79) Pyrene-d10	19.22	212	1975411	24.49	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	2065583	24.48	ng/ul	0.00

Target Compounds

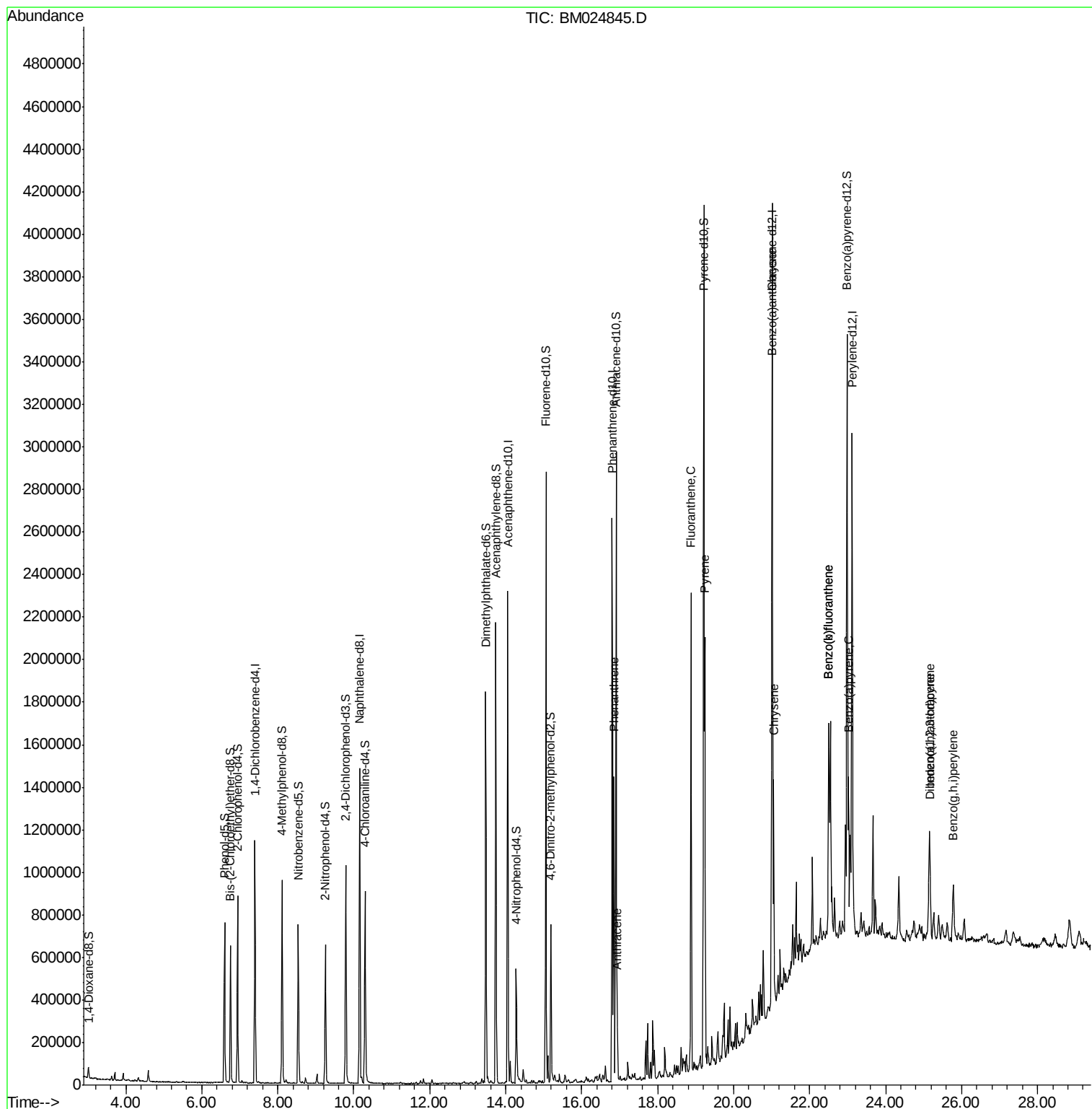
					Qvalue	
70) Phenanthrene	16.85	178	881427	9.752	ng/ul	99
72) Anthracene	16.94	178	182585	1.992	ng/ul	98
77) Fluoranthene	18.87	202	1393193	12.556	ng/ul	98
80) Pyrene	19.24	202	1187074	11.119	ng/ul	96
83) Benzo(a)anthracene	21.00	228	664662	6.118	ng/ul	99
85) Chrysene	21.06	228	647851	6.057	ng/ul	99
88) Benzo(b)fluoranthene	22.50	252	881194	8.248	ng/ul#	99
89) Benzo(k)fluoranthene	22.50	252	881194	8.569	ng/ul#	99
91) Benzo(a)pyrene	23.03	252	530463	5.538	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.16	276	387399	3.249	ng/ul	99
93) Dibenzo(a,h)anthracene	25.17	278	110536	1.088	ng/ul#	94
94) Benzo(g,h,i)perylene	25.79	276	317312	3.199	ng/ul	97

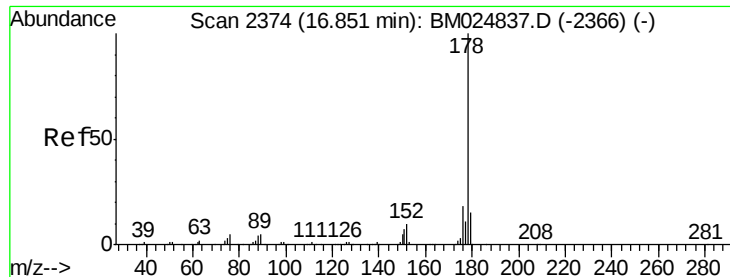
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#70

Phenanthrene

Concen: 9.752 ng/ul

RT: 16.85 min Scan# 2374

Delta R.T. -0.00 min

Lab File: BM024845.D

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Instrument :

BNA_M

ClientSampleId :

CB6P7

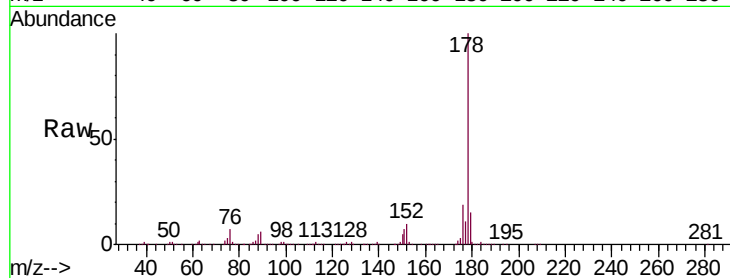
Tgt Ion:178 Resp: 881427

Ion Ratio Lower Upper

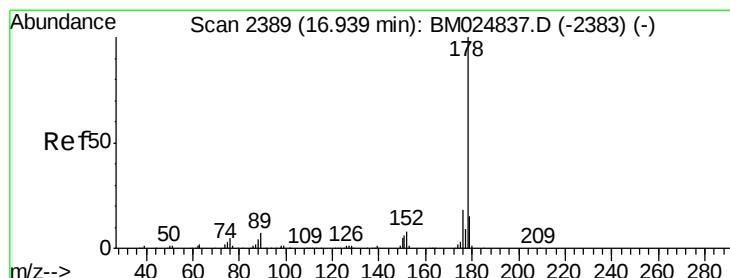
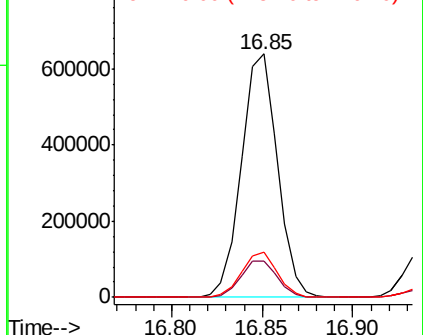
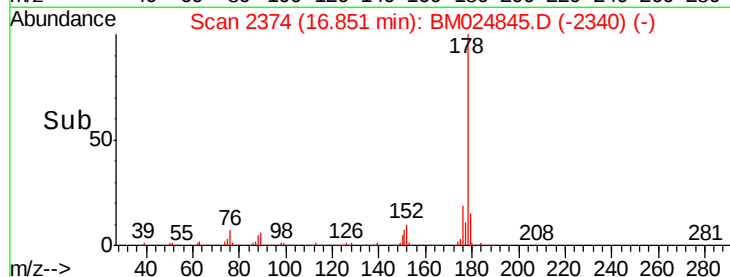
178 100

179 14.9 12.2 18.2

176 18.6 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: 1.992 ng/ul

RT: 16.94 min Scan# 2389

Delta R.T. -0.00 min

Lab File: BM024845.D

Acq: 11 Feb 2020 21:40

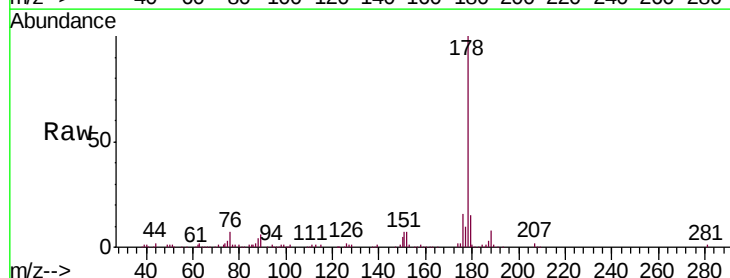
Tgt Ion:178 Resp: 182585

Ion Ratio Lower Upper

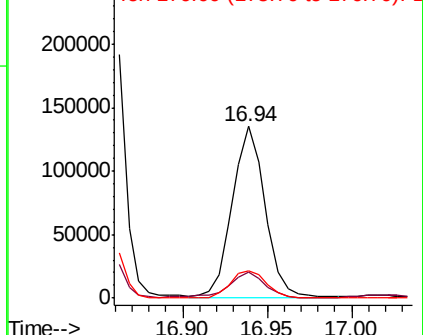
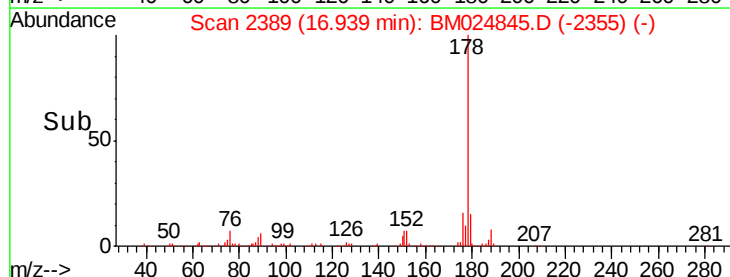
178 100

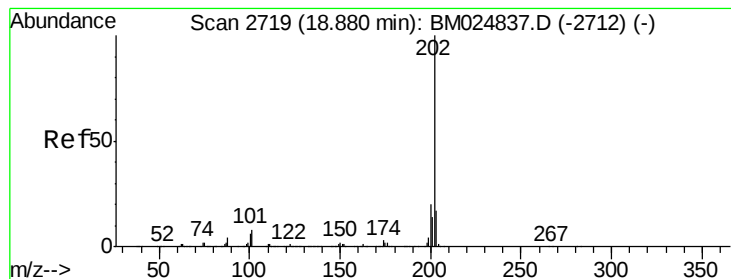
179 15.1 12.3 18.5

176 16.2 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





#77

Fluoranthene

Concen: 12.556 ng/ul

RT: 18.87 min Scan# 2718

Delta R.T. -0.01 min

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Acq: 11 Feb 2020 21:40

Instrument :

BNA_M

ClientSampleId :

CB6P7

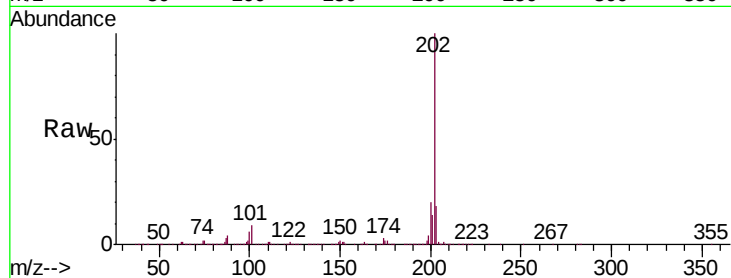
Tgt Ion:202 Resp: 1393193

Ion Ratio Lower Upper

202 100

101 8.6 6.1 9.1

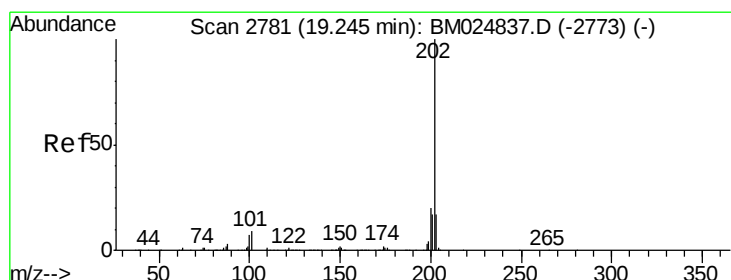
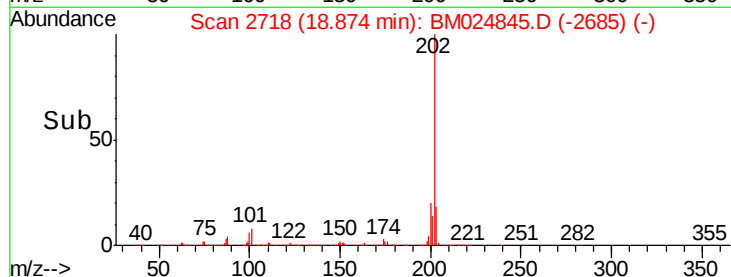
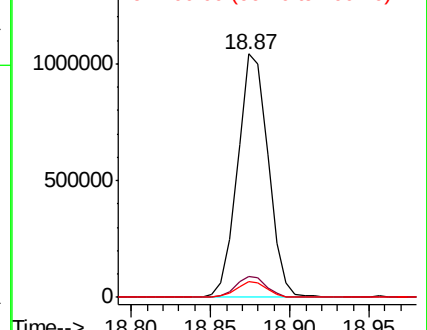
100 6.3 4.8 7.2



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

Pyrene

Concen: 11.119 ng/ul

RT: 19.24 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BM024845.D

Acq: 11 Feb 2020 21:40

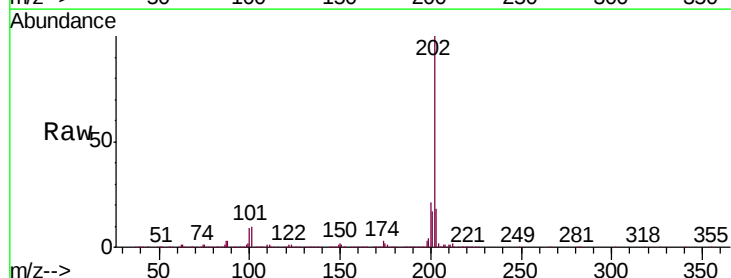
Tgt Ion:202 Resp: 1187074

Ion Ratio Lower Upper

202 100

101 10.3 7.0 10.4

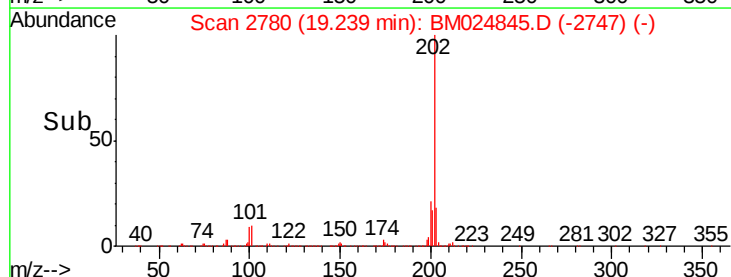
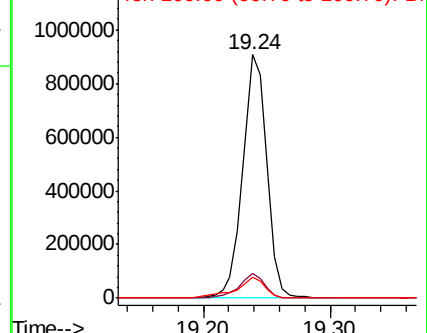
100 8.6 5.8 8.8

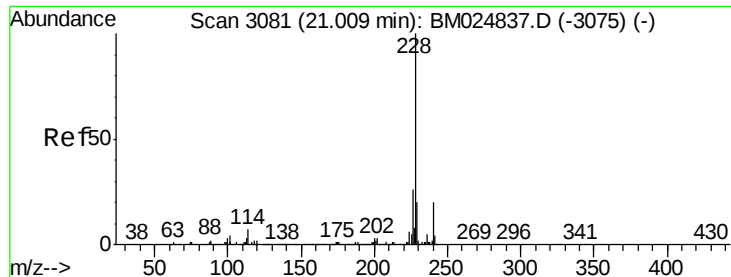


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 6.118 ng/ul

RT: 21.00 min Scan# 3080

Delta R.T. -0.01 min

Lab File: BM024845.D

Acq: 11 Feb 2020 21:40

Instrument :

BNA_M

ClientSampleId :

CB6P7

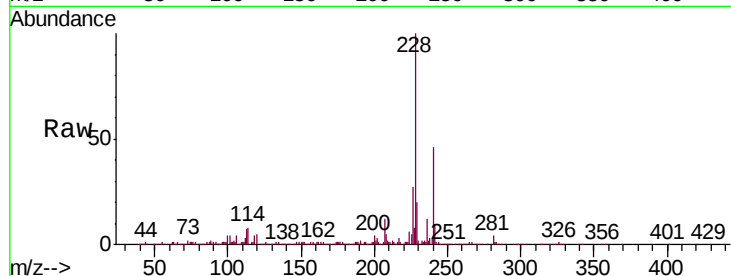
Tgt Ion:228 Resp: 664662

Ion Ratio Lower Upper

228 100

229 20.1 15.9 23.9

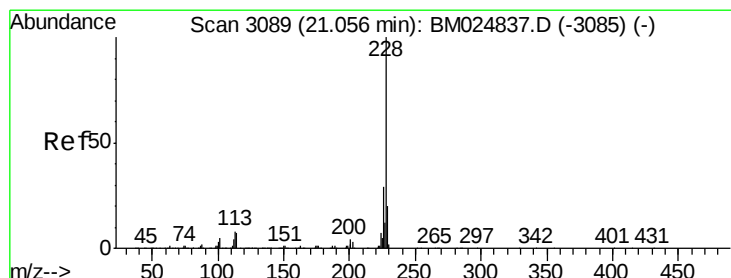
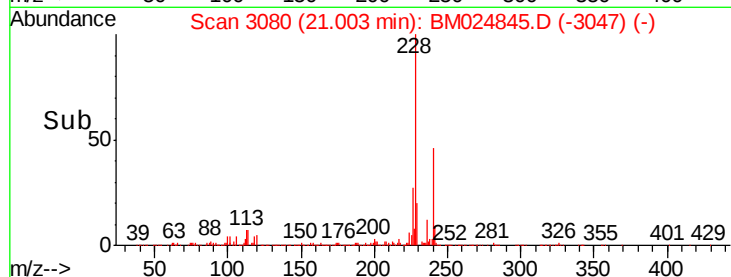
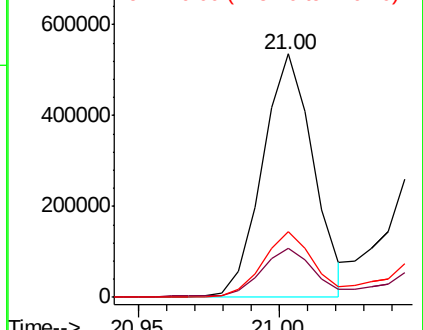
226 27.0 20.8 31.2



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: 6.057 ng/ul

RT: 21.06 min Scan# 3089

Delta R.T. -0.00 min

Lab File: BM024845.D

Acq: 11 Feb 2020 21:40

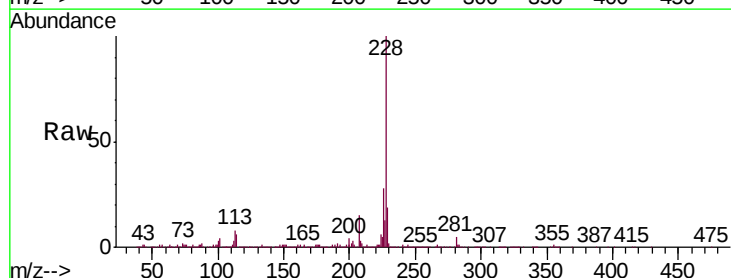
Tgt Ion:228 Resp: 647851

Ion Ratio Lower Upper

228 100

226 28.2 23.0 34.4

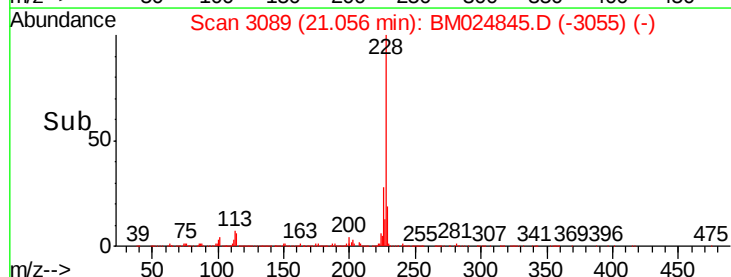
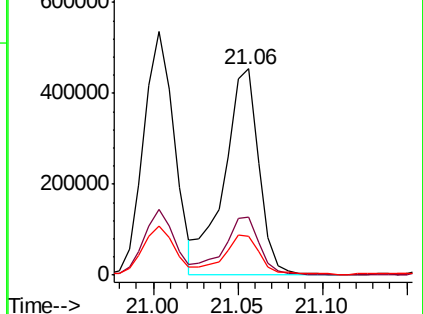
229 18.9 15.8 23.8

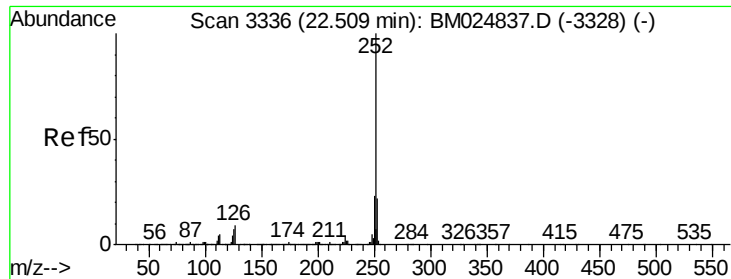


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 8.248 ng/ul

RT: 22.50 min Scan# 3335

Delta R.T. -0.01 min

Lab File: BM024845.D

Acq: 11 Feb 2020 21:40

Instrument :

BNA_M

ClientSampleId :

CB6P7

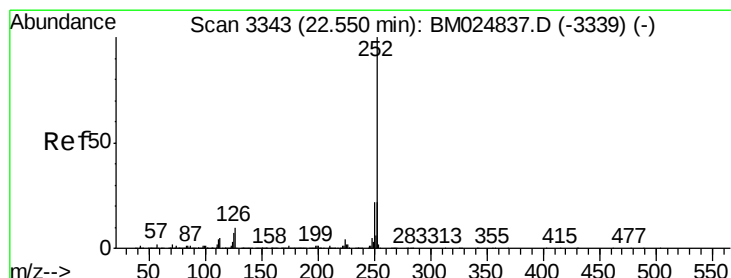
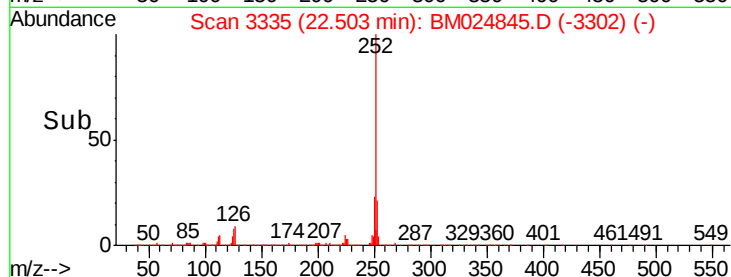
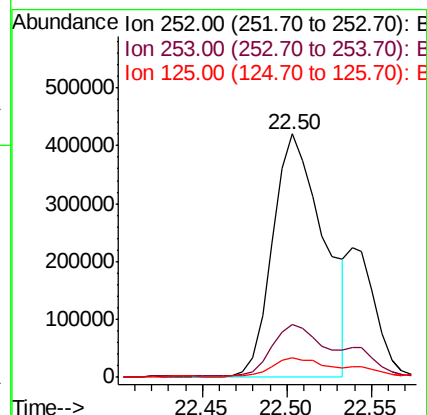
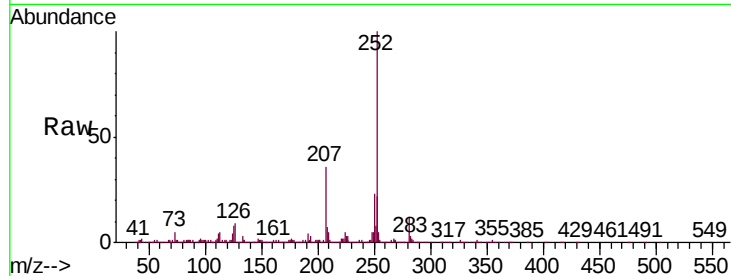
Tgt Ion:252 Resp: 881194

Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 7.9 5.1 7.7#



#89

Benzo(k)fluoranthene

Concen: 8.569 ng/ul

RT: 22.50 min Scan# 3335

Delta R.T. -0.05 min

Lab File: BM024845.D

Acq: 11 Feb 2020 21:40

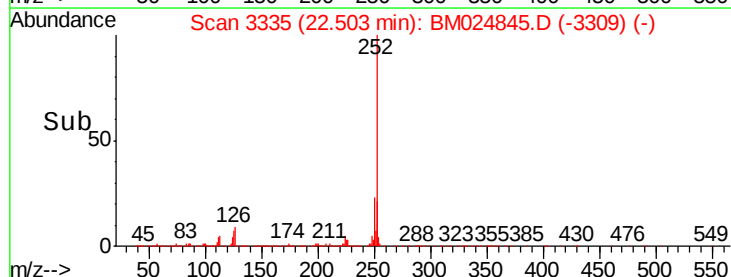
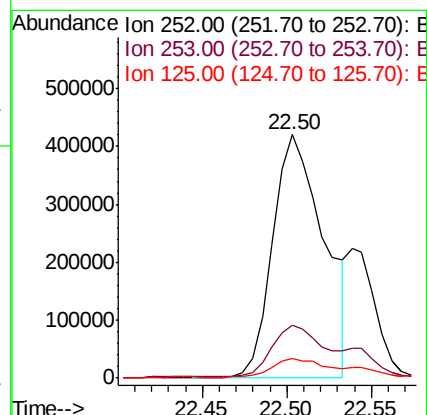
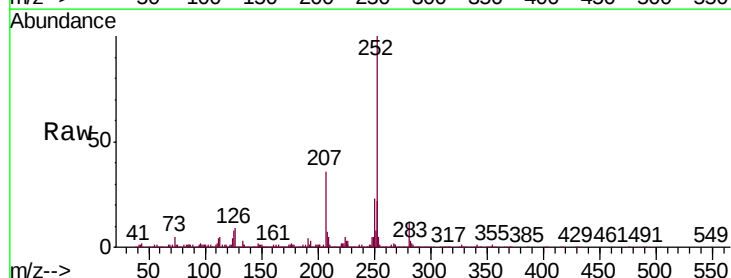
Tgt Ion:252 Resp: 881194

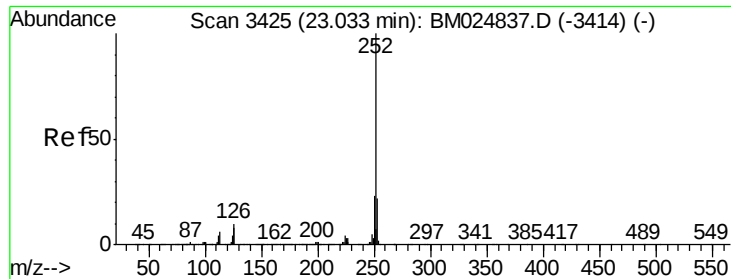
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 7.9 5.1 7.7#





#91

Benzo(a)pyrene

Concen: 5.538 ng/ul

RT: 23.03 min Scan# 3424

Delta R.T. -0.01 min

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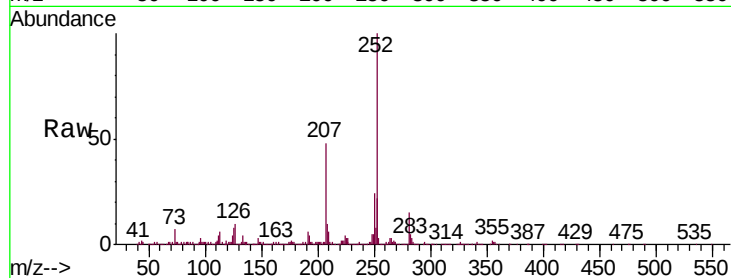
Tgt Ion:252 Resp: 530463

Ion Ratio Lower Upper

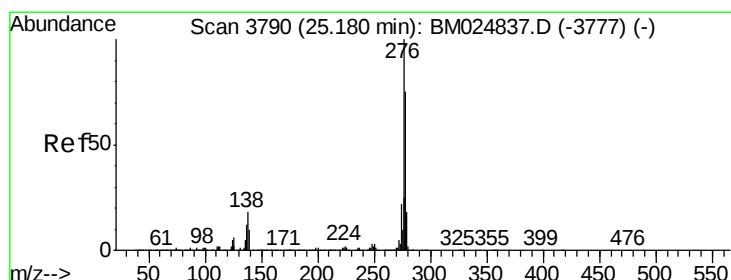
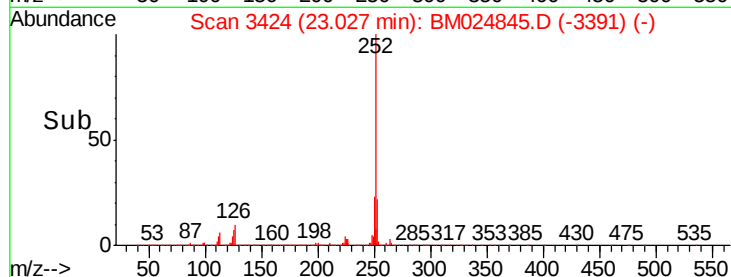
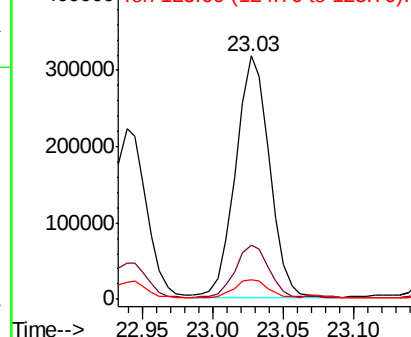
252 100

253 22.2 17.5 26.3

125 7.9 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: 3.249 ng/ul

RT: 25.16 min Scan# 3787

Delta R.T. -0.02 min

Lab File: BM024845.D

Acq: 11 Feb 2020 21:40

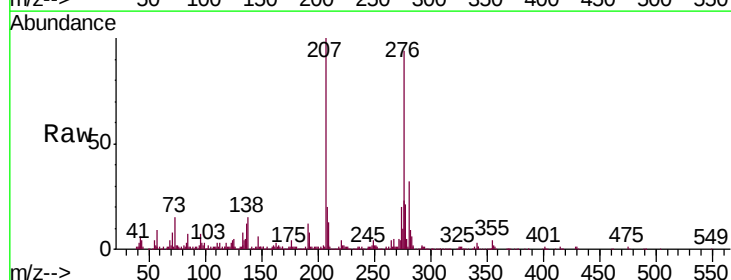
Tgt Ion:276 Resp: 387399

Ion Ratio Lower Upper

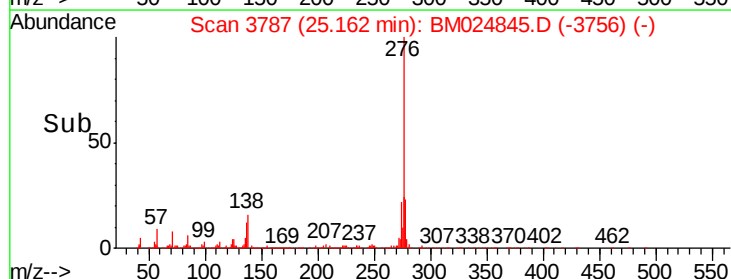
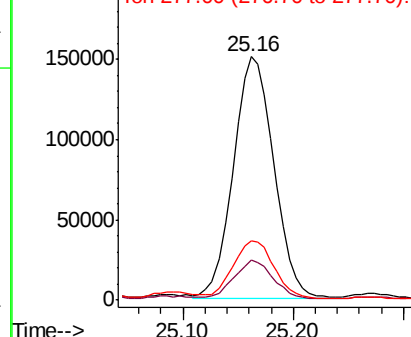
276 100

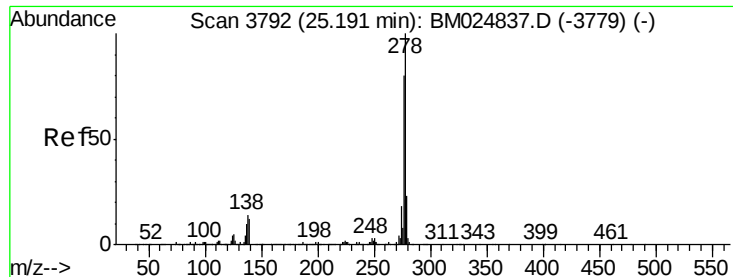
138 16.3 12.8 19.2

277 24.4 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: 1.088 ng/ul

RT: 25.17 min Scan# 3789

Delta R.T. -0.02 min

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Acq: 11 Feb 2020 21:40

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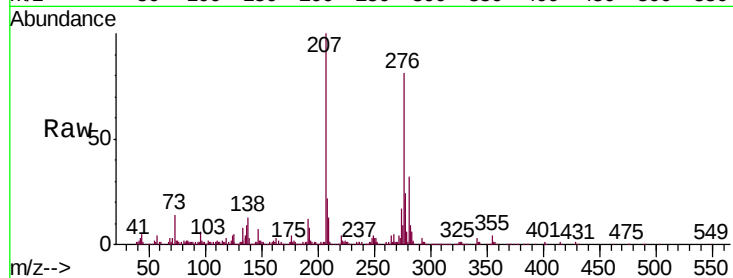
Tgt Ion:278 Resp: 110536

Ion Ratio Lower Upper

278 100

139 14.2 8.4 12.6#

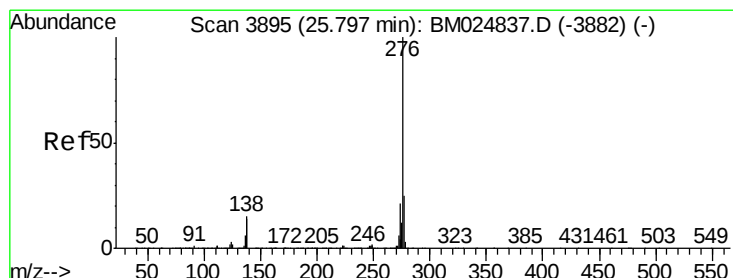
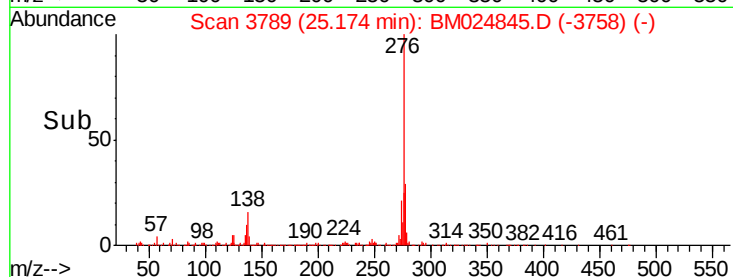
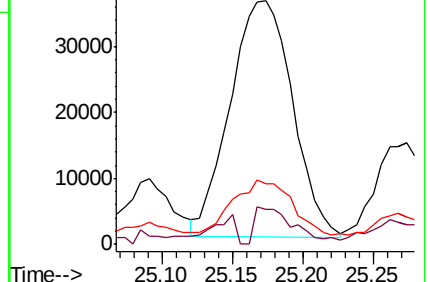
279 25.0 18.5 27.7



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: 3.199 ng/ul

RT: 25.79 min Scan# 3893

Delta R.T. -0.01 min

Lab File: BM024845.D

Acq: 11 Feb 2020 21:40

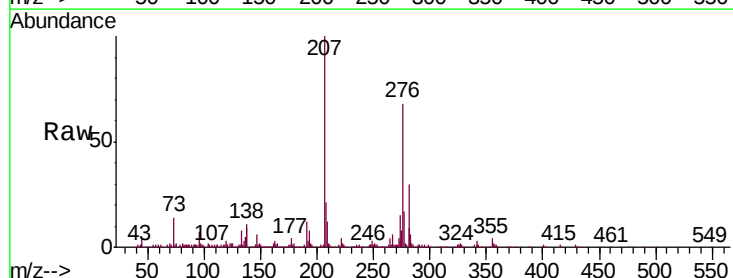
Tgt Ion:276 Resp: 317312

Ion Ratio Lower Upper

276 100

138 16.0 11.8 17.6

277 25.6 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

