

Data File : BM024874.D
Acq On : 14 Feb 2020 03:21
Operator : CG/JU
Sample : L1404-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB6P0

Quant Time: Feb 14 07:47:57 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	7.39	152	442888	20.00	ng/ul	0.00
18) Naphthalene-d8	10.15	136	1610408	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.04	164	965770	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.80	188	1989868	20.00	ng/ul	0.00
78) Chrysene-d12	21.01	240	1930944	20.00	ng/ul	0.00
86) Perylene-d12	23.11	264	2049967	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.04	96	44005	4.78	ng/uL	0.00
5) Phenol-d5	6.59	99	717278	24.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	445717	26.82	ng/ul	0.00
9) 2-Chlorophenol-d4	6.93	132	624784	23.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.10	113	478945	19.29	ng/ul	0.00
19) Nitrobenzene-d5	8.53	128	294024	25.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	343009	24.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.78	165	599447	21.60	ng/ul	0.00
29) 4-Chloroaniline-d4	10.29	131	670090	25.81	ng/ul	0.00
44) Dimethylphthalate-d6	13.47	166	1796899	24.65	ng/ul	0.00
47) Acenaphthylene-d8	13.73	160	2168777	25.47	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	242946	20.51	ng/ul	0.00
58) Fluorene-d10	15.05	176	1561652	24.19	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.18	200	273126	21.06	ng/ul	0.00
71) Anthracene-d10	16.90	188	2232379	24.58	ng/ul	0.00
79) Pyrene-d10	19.20	212	2614285	27.07	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.98	264	2758065	26.79	ng/ul	0.00

Target Compounds

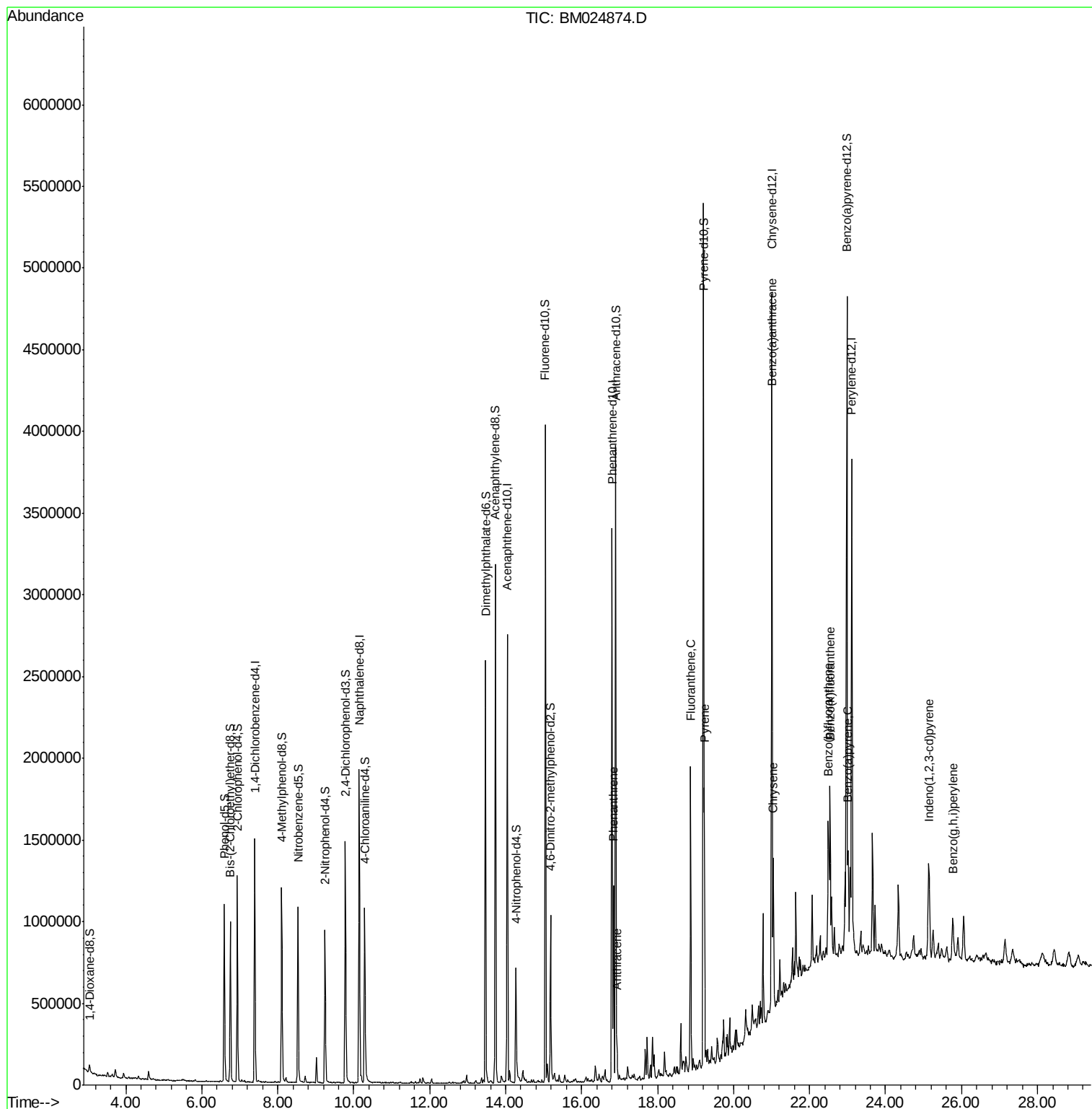
					Qvalue
70) Phenanthrene	16.84	178	709592	6.540 ng/ul	99
72) Anthracene	16.93	178	151093	1.373 ng/ul	99
77) Fluoranthene	18.87	202	1121659	8.421 ng/ul	97
80) Pyrene	19.23	202	994820	7.783 ng/ul#	95
83) Benzo(a)anthracene	21.00	228	557339	4.285 ng/ul	98
85) Chrysene	21.04	228	548109	4.280 ng/ul	100
88) Benzo(b)fluoranthene	22.49	252	717598	5.505 ng/ul#	97
89) Benzo(k)fluoranthene	22.53	252	239995	1.913 ng/ul#	97
91) Benzo(a)pyrene	23.02	252	460694	3.942 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.15	276	337357	2.319 ng/ul	98
94) Benzo(g,h,i)perylene	25.77	276	298171	2.464 ng/ul	99

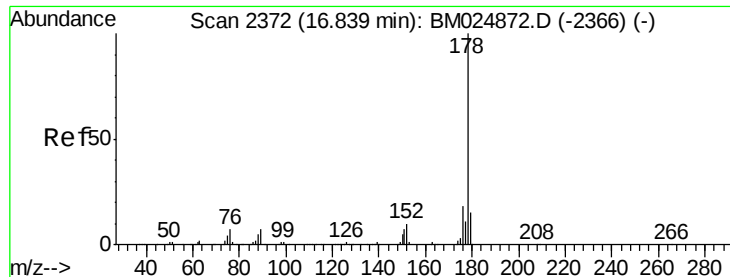
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#70

Phenanthrene

Concen: 6.540 ng/ul

RT: 16.84 min Scan# 2372

Delta R.T. 0.00 min

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Instrument :

BNA_M

ClientSampleId :

CB6P0

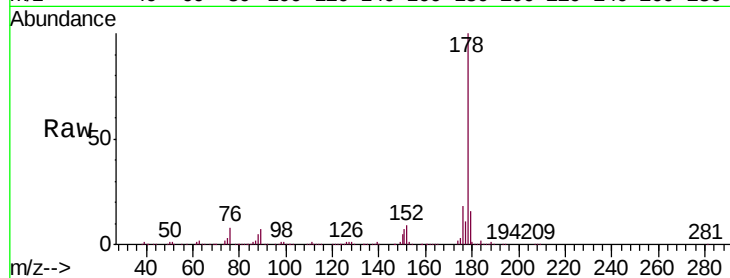
Tgt Ion:178 Resp: 709592

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.2

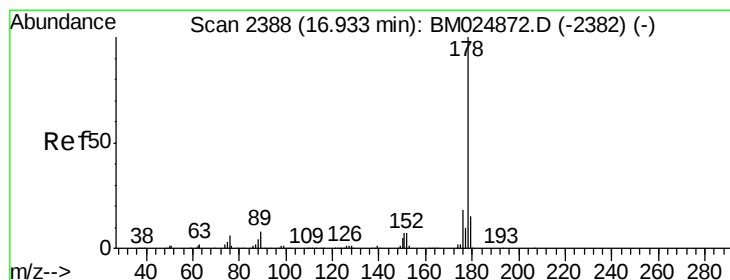
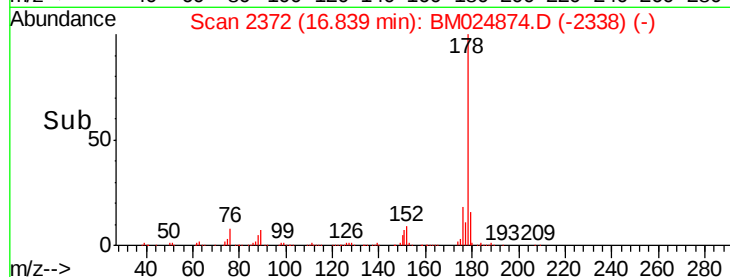
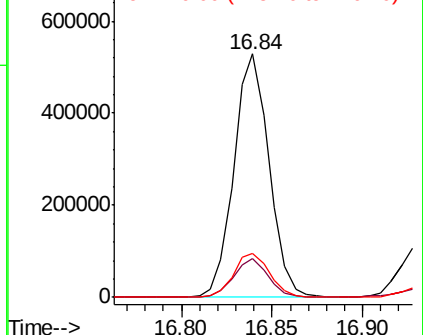
176 18.2 14.5 21.7



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: 1.373 ng/ul

RT: 16.93 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BM024874.D

Acq: 14 Feb 2020 03:21

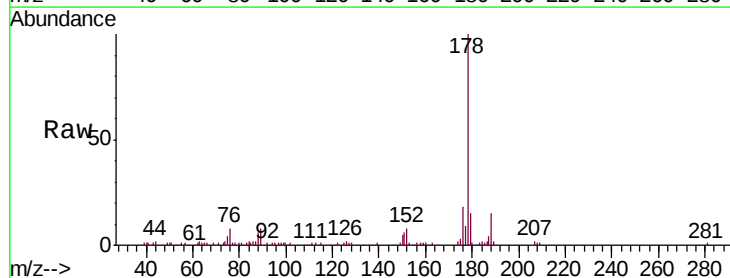
Tgt Ion:178 Resp: 151093

Ion Ratio Lower Upper

178 100

179 15.1 12.3 18.5

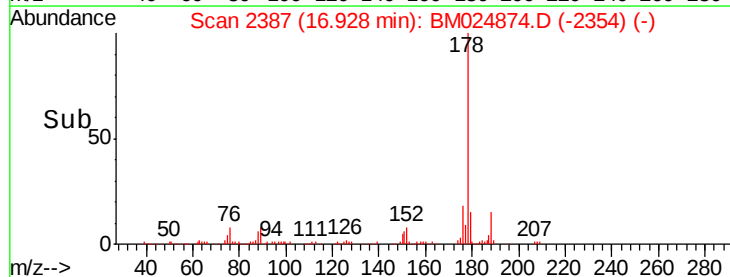
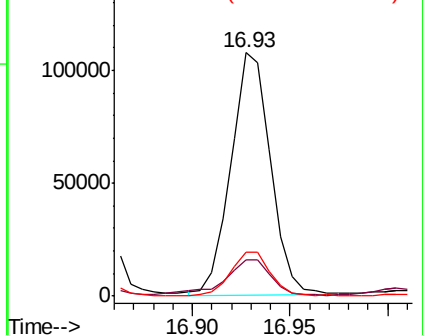
176 18.1 14.1 21.1

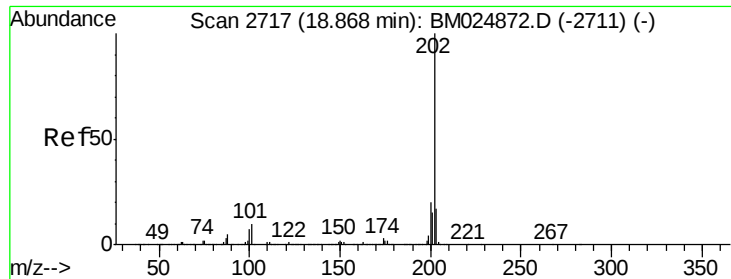


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

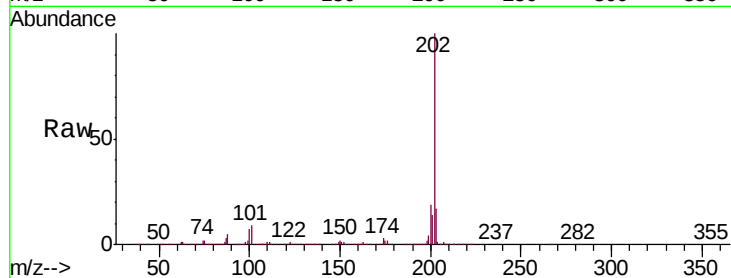




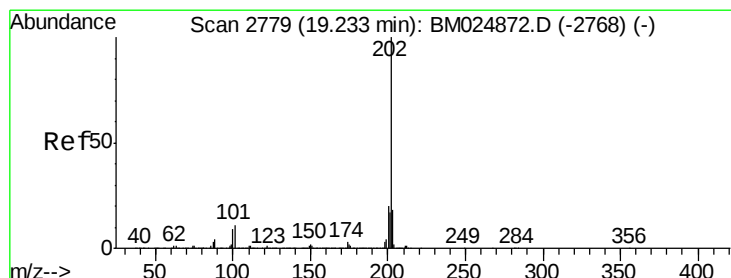
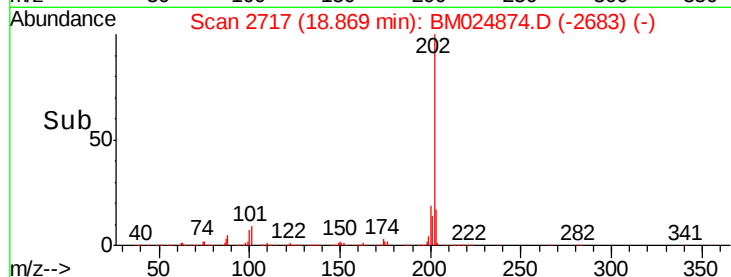
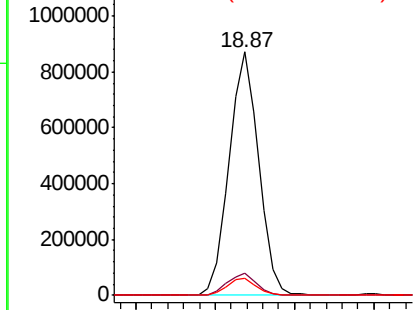
#77
 Fluoranthene
 Concen: 8.421 ng/ul
 RT: 18.87 min Scan# 2717
 Delta R.T. 0.00 min
 Lab File: BM024874.D
 Acq: 14 Feb 2020 03:21

Instrument :
 BNA_M
 ClientSampleId :
 CB6P0

Tgt Ion:202 Resp: 1121659
 Ion Ratio Lower Upper
 202 100
 101 9.1 6.1 9.1
 100 6.8 4.8 7.2

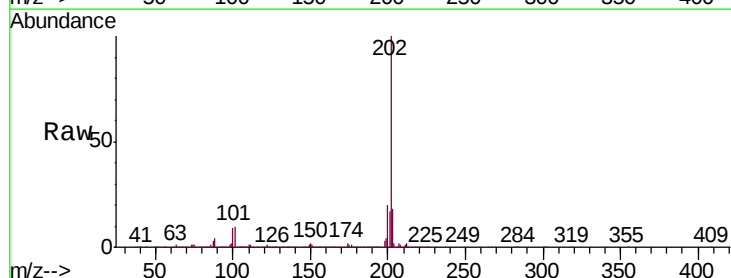


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

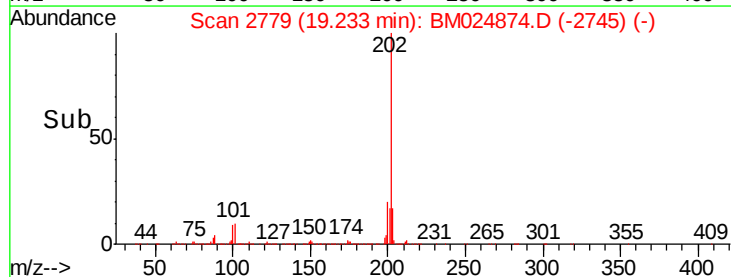
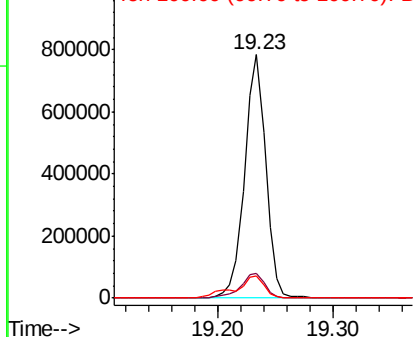


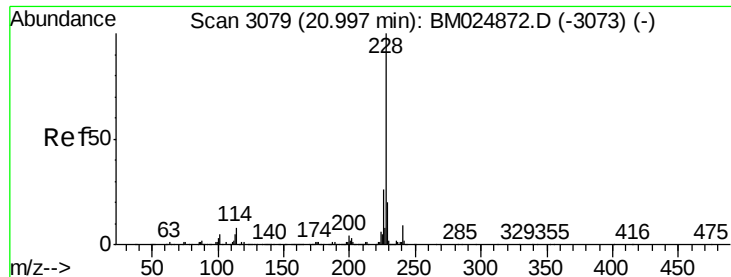
#80
 Pyrene
 Concen: 7.783 ng/ul
 RT: 19.23 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: BM024874.D
 Acq: 14 Feb 2020 03:21

Tgt Ion:202 Resp: 994820
 Ion Ratio Lower Upper
 202 100
 101 10.4 7.0 10.4
 100 8.9 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: 4.285 ng/ul

RT: 21.00 min Scan# 3079

Delta R.T. 0.00 min

Lab File: BM024874.D

Acq: 14 Feb 2020 03:21

Instrument :

BNA_M

ClientSampleId :

CB6P0

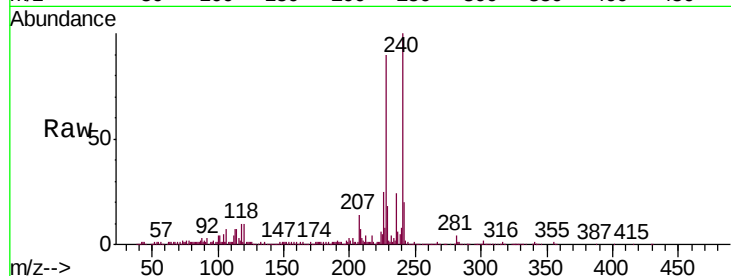
Tgt Ion:228 Resp: 557339

Ion Ratio Lower Upper

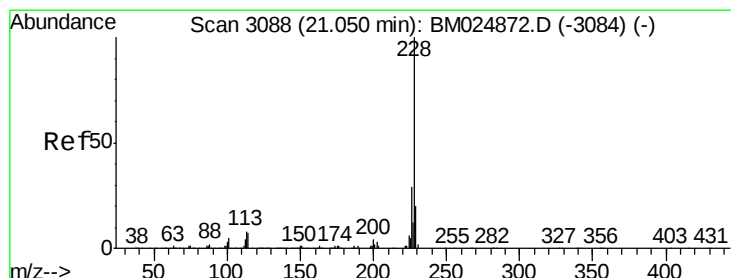
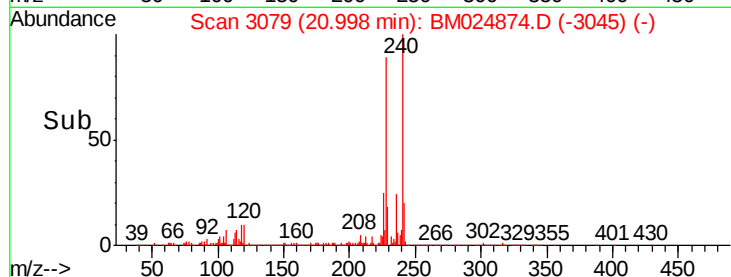
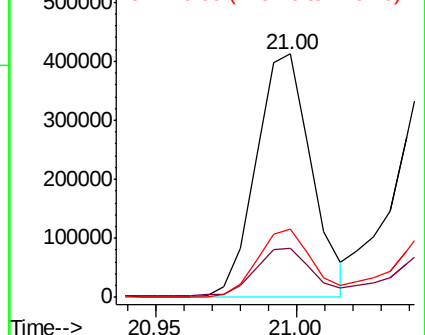
228 100

229 20.4 15.9 23.9

226 27.8 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: 4.280 ng/ul

RT: 21.04 min Scan# 3087

Delta R.T. -0.01 min

Lab File: BM024874.D

Acq: 14 Feb 2020 03:21

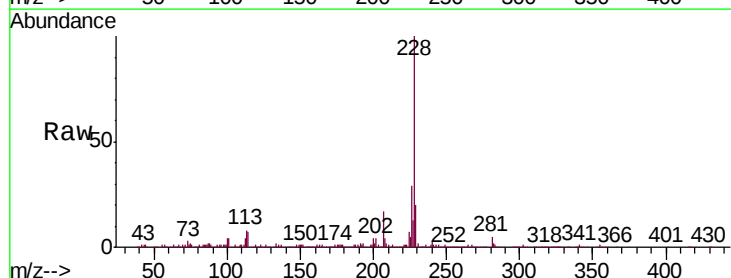
Tgt Ion:228 Resp: 548109

Ion Ratio Lower Upper

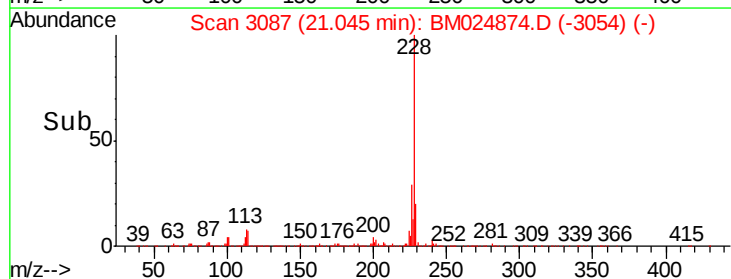
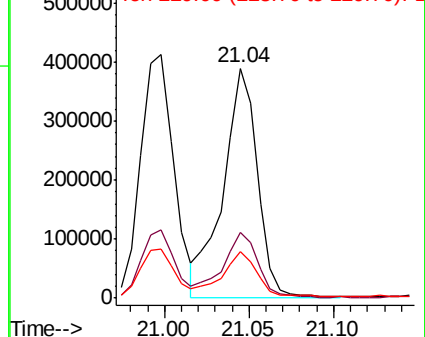
228 100

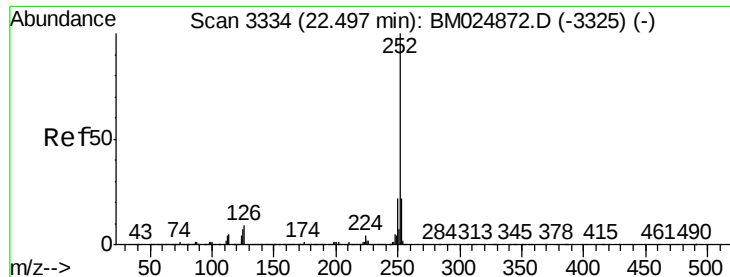
226 28.8 23.0 34.4

229 20.0 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: 5.505 ng/ul

RT: 22.49 min Scan# 3333

Delta R.T. -0.01 min

Lab File: BM024874.D

Acq: 14 Feb 2020 03:21

Instrument :

BNA_M

ClientSampleId :

CB6P0

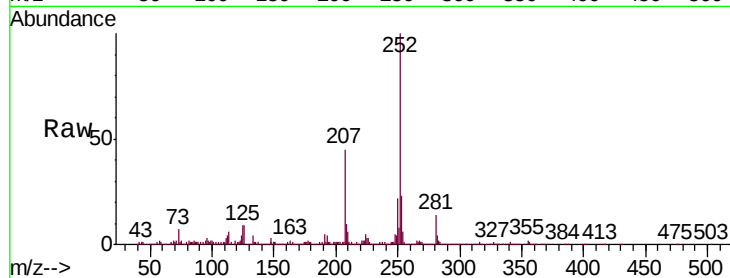
Tgt Ion:252 Resp: 717598

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

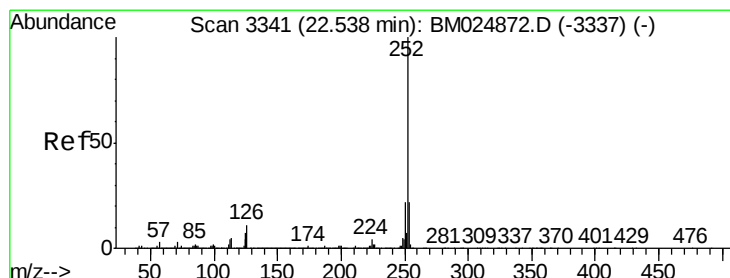
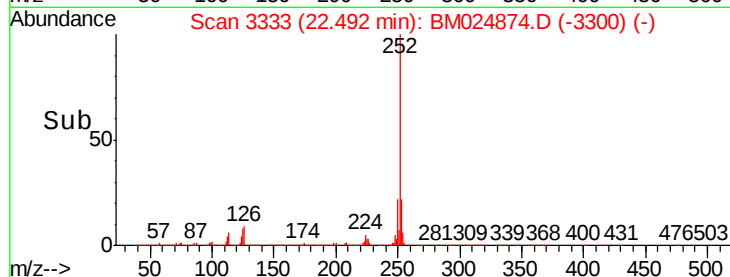
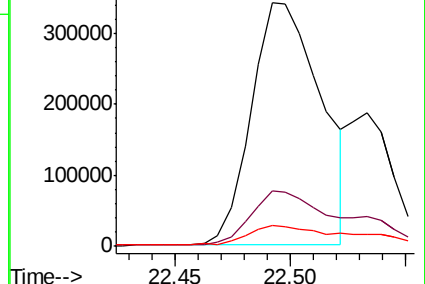
125 8.7 5.1 7.7#



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: 1.913 ng/ul

RT: 22.53 min Scan# 3340

Delta R.T. -0.01 min

Lab File: BM024874.D

Acq: 14 Feb 2020 03:21

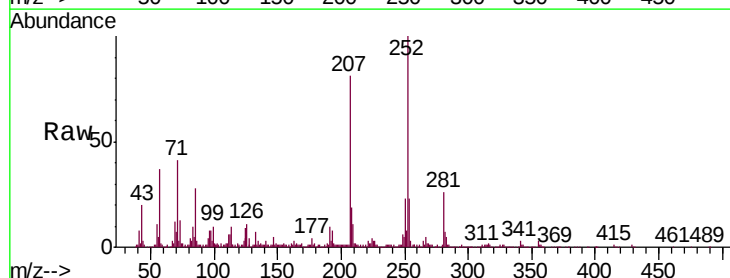
Tgt Ion:252 Resp: 239995

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

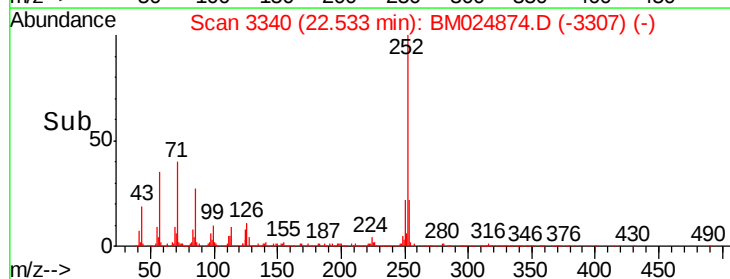
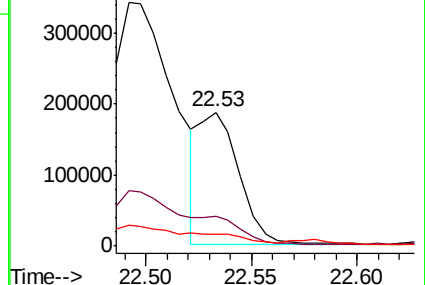
125 9.3 5.1 7.7#

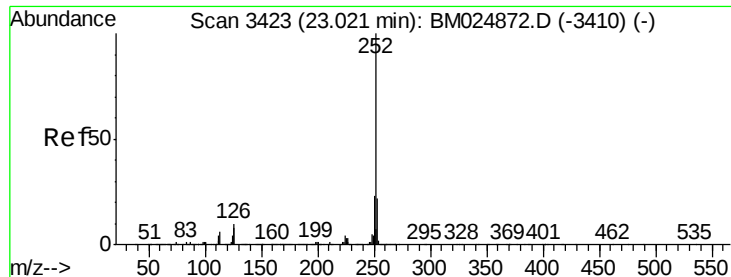


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 3.942 ng/ul

RT: 23.02 min Scan# 3423

Delta R.T. 0.00 min

Lab File: BM024874.D

Acq: 14 Feb 2020 03:21

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ClientSampleId :

CB6P0

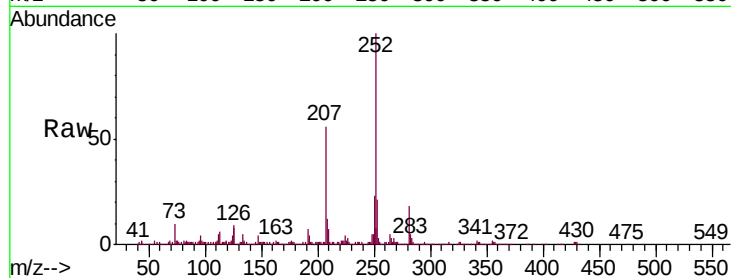
Tgt Ion:252 Resp: 460694

Ion Ratio Lower Upper

252 100

253 21.2 17.5 26.3

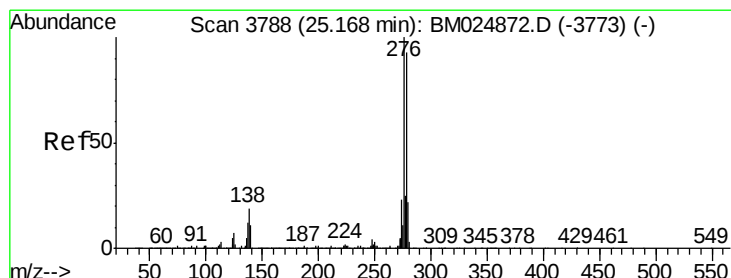
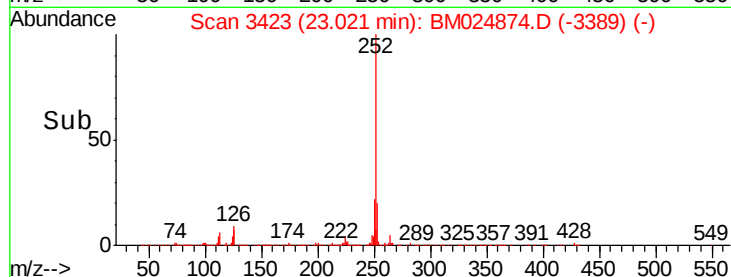
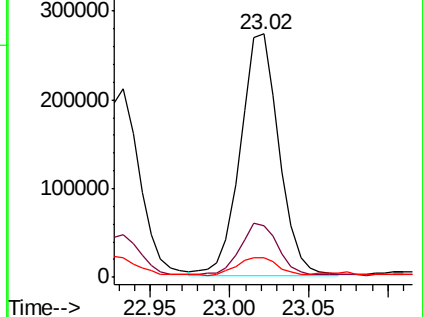
125 8.2 5.6 8.4



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: 2.319 ng/ul

RT: 25.15 min Scan# 3785

Delta R.T. -0.02 min

Lab File: BM024874.D

Acq: 14 Feb 2020 03:21

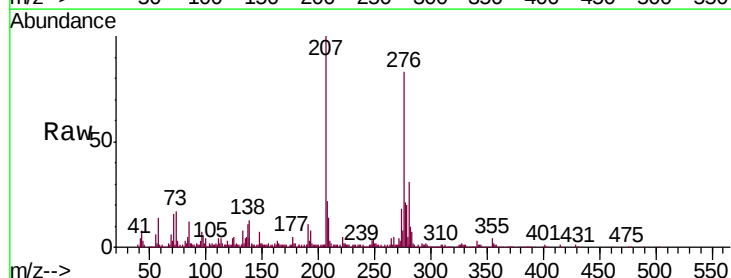
Tgt Ion:276 Resp: 337357

Ion Ratio Lower Upper

276 100

138 15.6 12.8 19.2

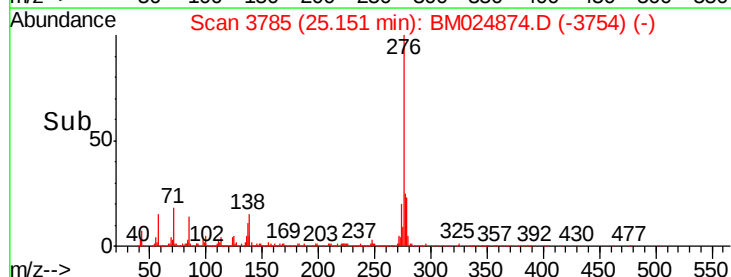
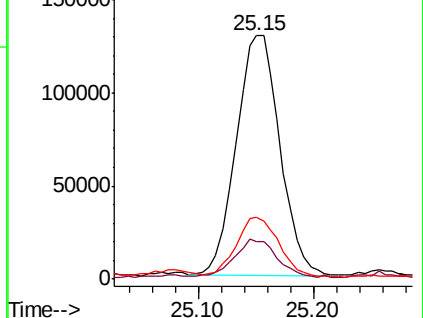
277 25.2 19.3 28.9

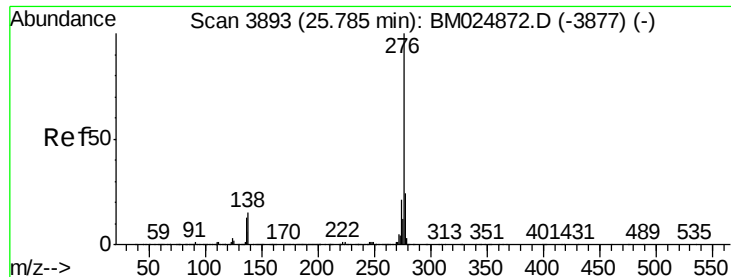


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(g,h,i)perylene

Concen: 2.464 ng/ul

RT: 25.77 min Scan# 3891

Delta R.T. -0.01 min

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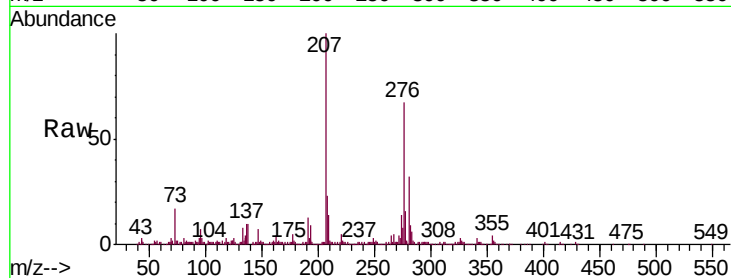
Tgt Ion: 276 Resp: 298171

Ion Ratio Lower Upper

276 100

138 14.4 11.8 17.6

277 23.5 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

