

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112119\
 Data File : BM023832.D
 Acq On : 21 Nov 2019 16:55
 Operator : JU
 Sample : K5851-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA5

Quant Time: Nov 21 17:41:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 21 16:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	326744	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.29	136	1335391	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.17	164	811439	20.00	ng/ul	-0.01
62) Phenanthrene-d10	16.92	188	1765390	20.00	ng/ul	0.00
78) Chrysene-d12	21.13	240	1714697	20.00	ng/ul	0.00
86) Perylene-d12	23.29	264	2101737	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	28501	3.60	ng/uL	0.00
5) Phenol-d5	6.70	99	607241	20.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	347947	20.33	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.05	132	489470	22.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	446128	18.78	ng/ul	-0.01
19) Nitrobenzene-d5	8.66	128	236806	24.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	260072	25.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	487432	21.28	ng/ul	0.00
29) 4-Chloroaniline-d4	10.43	131	542587	21.57	ng/ul	0.00
44) Dimethylphthalate-d6	13.59	166	1439960	22.76	ng/ul	0.00
47) Acenaphthylene-d8	13.86	160	1740166	24.10	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	178238	16.50	ng/ul	0.00
58) Fluorene-d10	15.17	176	1290676	23.10	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	140551	13.76	ng/ul	0.00
71) Anthracene-d10	17.02	188	2094263	25.01	ng/ul	0.00
79) Pyrene-d10	19.33	212	2405828	26.91	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.15	264	2864141	25.90	ng/ul	0.00

Target Compounds

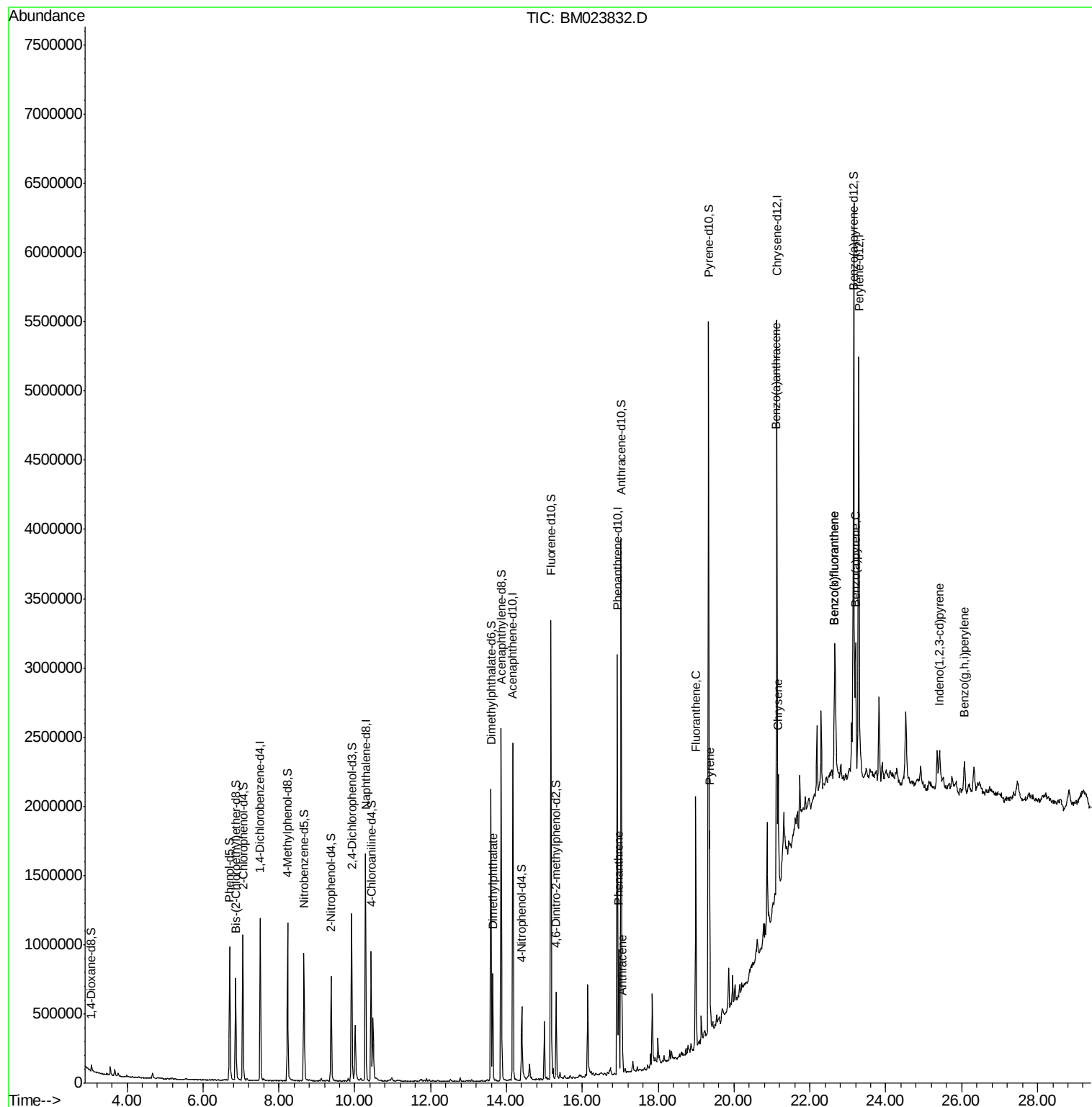
					Qvalue	
45) Dimethylphthalate	13.64	163	486815	7.850	ng/ul	100
70) Phenanthrene	16.96	178	515517	5.301	ng/ul	99
72) Anthracene	17.06	178	118967	1.217	ng/ul	99
77) Fluoranthene	18.99	202	1038002	9.963	ng/ul	95
80) Pyrene	19.36	202	814316	7.347	ng/ul	99
83) Benzo(a)anthracene	21.12	228	419520	3.709	ng/ul	96
85) Chrysene	21.17	228	440297	4.135	ng/ul	98
88) Benzo(b)fluoranthene	22.64	252	547215	4.084	ng/ul#	94
89) Benzo(k)fluoranthene	22.64	252	547215	4.239	ng/ul#	92
91) Benzo(a)pyrene	23.19	252	375310	3.060	ng/ul#	93
92) Indeno(1,2,3-cd)pyrene	25.42	276	248580	1.895	ng/ul	98
94) Benzo(g,h,i)perylene	26.07	276	238267	2.242	ng/ul	93

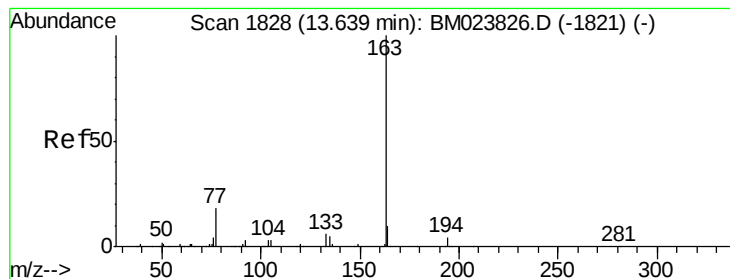
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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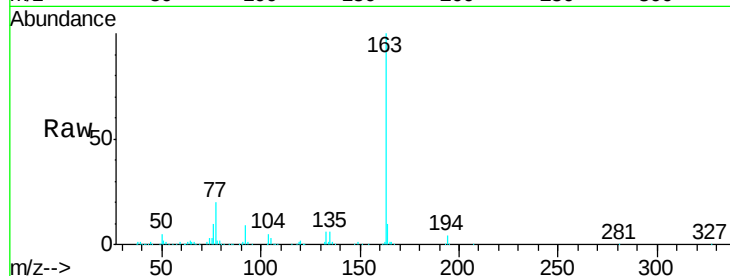




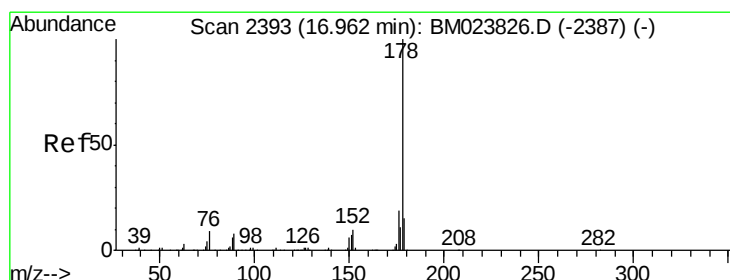
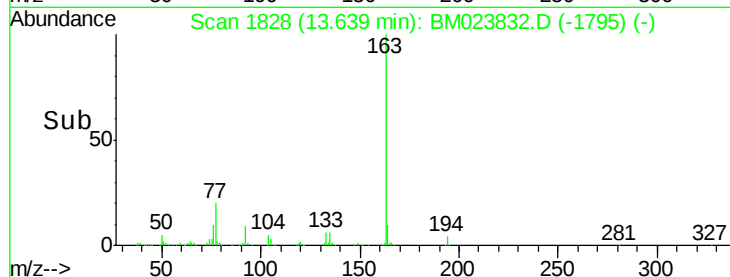
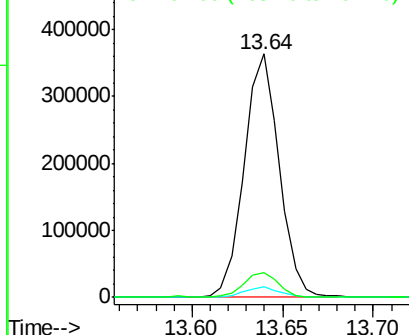
#45
Dimethylphthalate
Concen: 7.850 ng/ul
RT: 13.64 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BM023832.D
Acq: 21 Nov 2019 16:55

Instrument :
BNA_M
ClientSampleId :
C0AA5

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.1	8.0	12.0

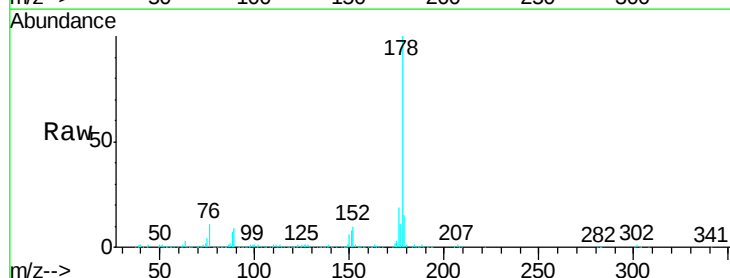


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

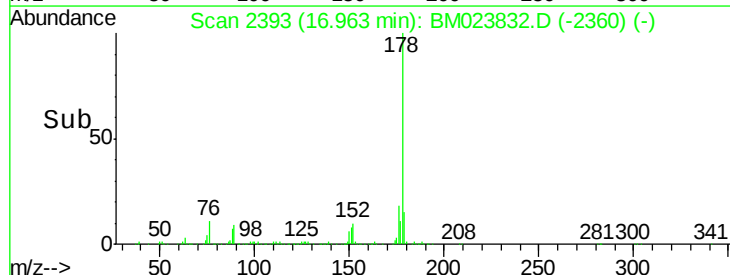
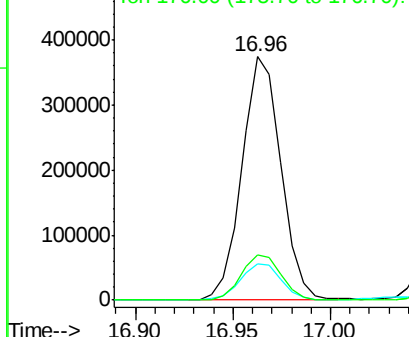


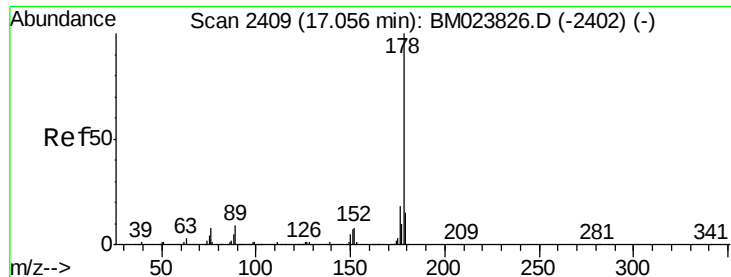
#70
Phenanthrene
Concen: 5.301 ng/ul
RT: 16.96 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BM023832.D
Acq: 21 Nov 2019 16:55

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.3	18.5
176	18.5	15.0	22.6



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: 1.217 ng/ul

RT: 17.06 min Scan# 2409

Delta R.T. -0.01 min

Lab File: BM023832.D

Acq: 21 Nov 2019 16:55

Instrument :

BNA_M

ClientSampleId :

C0AA5

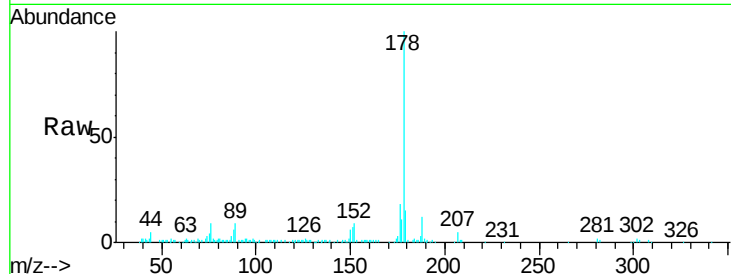
Tgt Ion:178 Resp: 118967

Ion Ratio Lower Upper

178 100

179 14.7 12.3 18.5

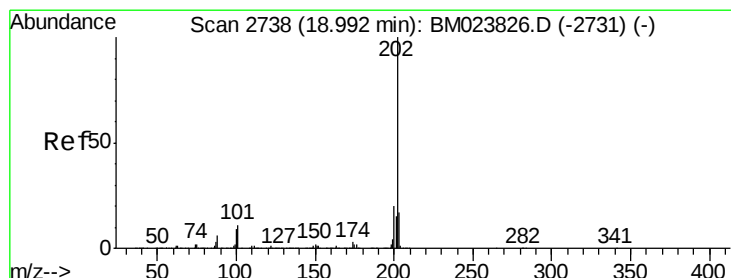
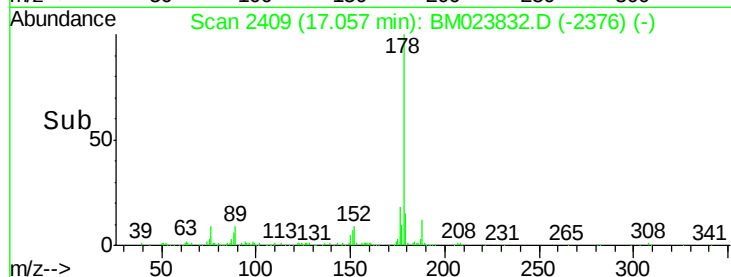
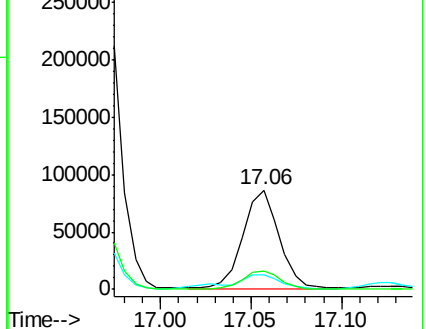
176 18.0 14.7 22.1



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: 9.963 ng/ul

RT: 18.99 min Scan# 2738

Delta R.T. -0.01 min

Lab File: BM023832.D

Acq: 21 Nov 2019 16:55

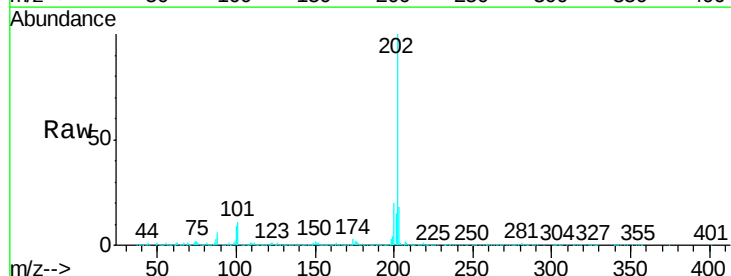
Tgt Ion:202 Resp: 1038002

Ion Ratio Lower Upper

202 100

101 11.4 7.7 11.5

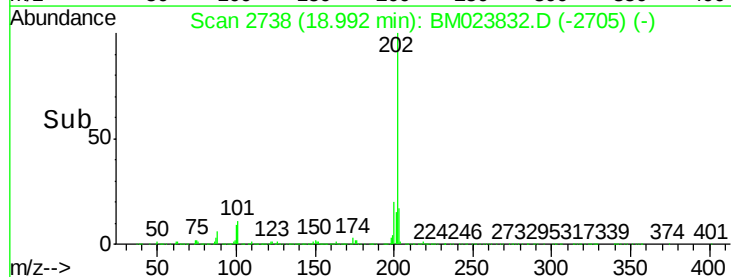
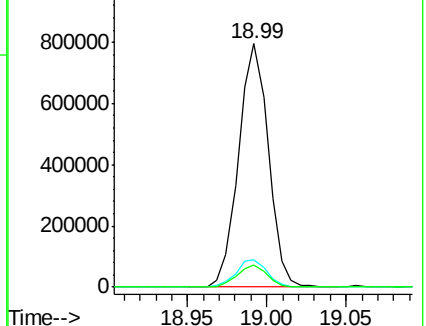
100 9.0 6.0 9.0

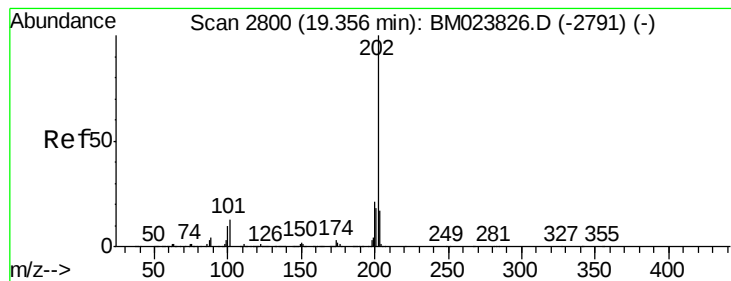


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80

Pyrene

Concen: 7.347 ng/ul

RT: 19.36 min Scan# 2800

Delta R.T. -0.01 min

Lab File: BM023832.D

Acq: 21 Nov 2019 16:55

Instrument :

BNA_M

ClientSampleId :

C0AA5

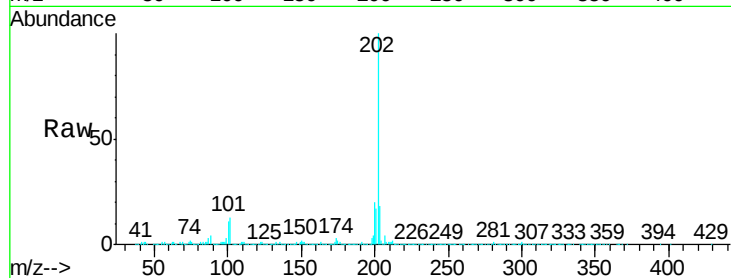
Tgt Ion:202 Resp: 814316

Ion Ratio Lower Upper

202 100

101 12.7 9.8 14.6

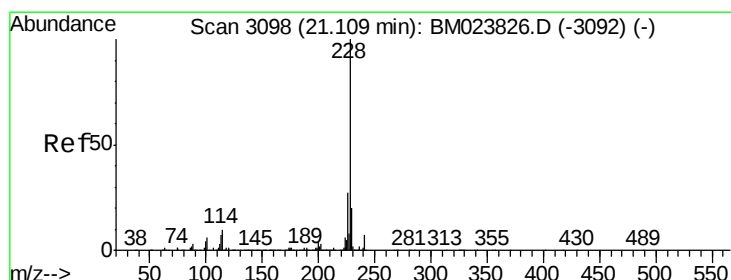
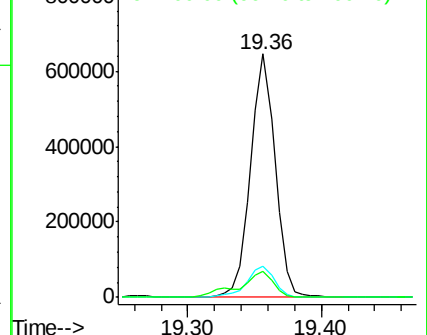
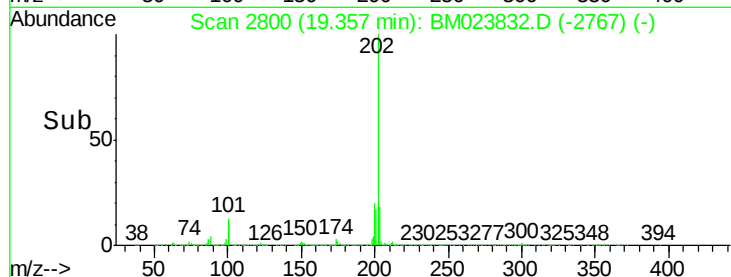
100 10.6 8.1 12.1



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): E



#83

Benzo(a)anthracene

Concen: 3.709 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM023832.D

Acq: 21 Nov 2019 16:55

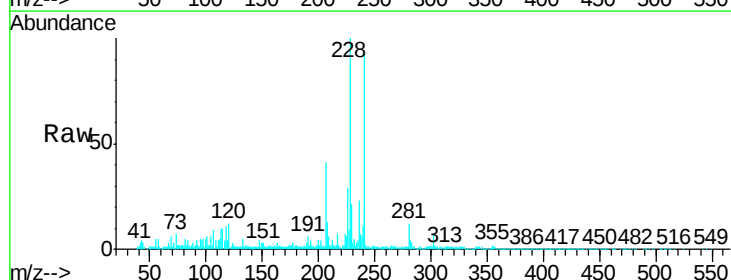
Tgt Ion:228 Resp: 419520

Ion Ratio Lower Upper

228 100

229 21.3 15.6 23.4

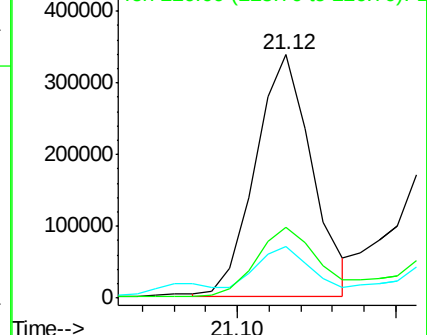
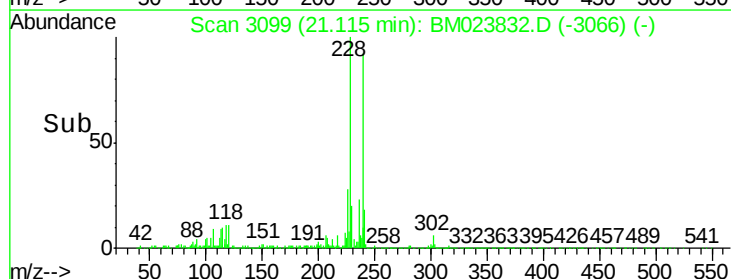
226 29.1 21.4 32.2

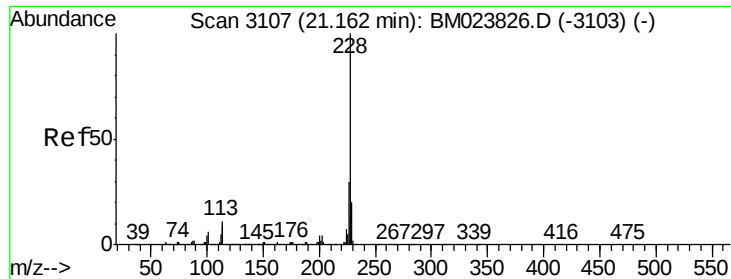


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#85

Chrysene

Concen: 4.135 ng/u1

RT: 21.17 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM023832.D

Acq: 21 Nov 2019 16:55

Instrument :

BNA_M

ClientSampleId :

C0AA5

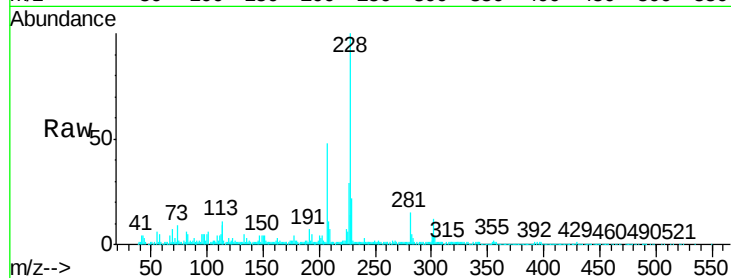
Tgt Ion:228 Resp: 440297

Ion Ratio Lower Upper

228 100

226 29.2 23.8 35.8

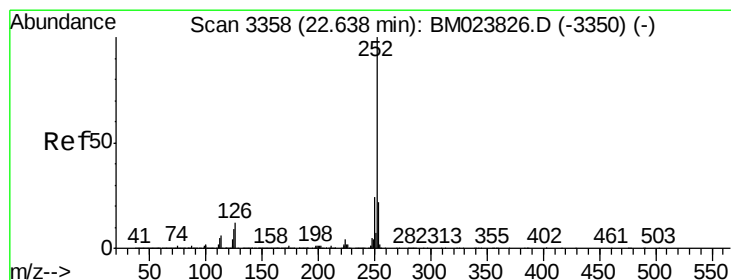
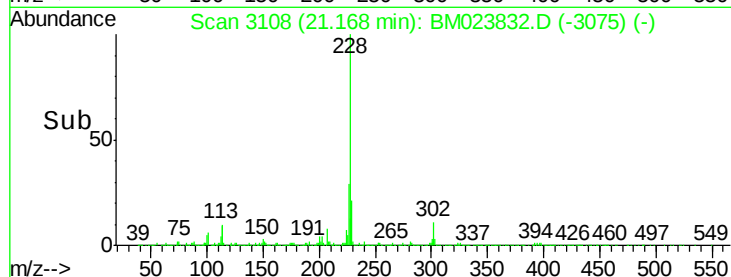
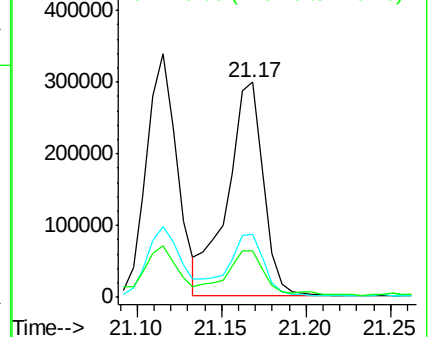
229 21.5 15.8 23.6



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: 4.084 ng/u1

RT: 22.64 min Scan# 3359

Delta R.T. -0.01 min

Lab File: BM023832.D

Acq: 21 Nov 2019 16:55

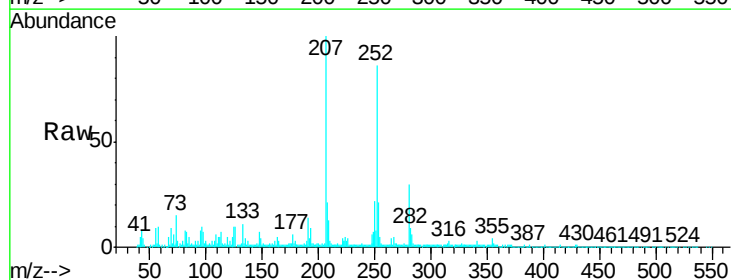
Tgt Ion:252 Resp: 547215

Ion Ratio Lower Upper

252 100

253 24.6 17.8 26.8

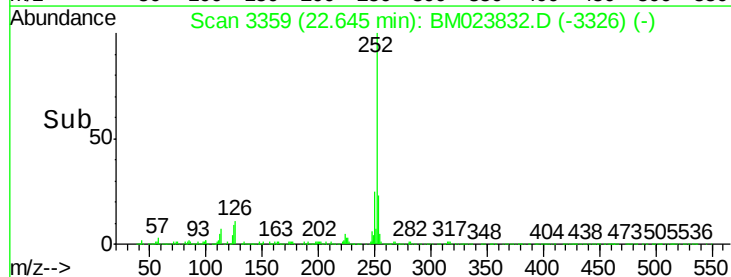
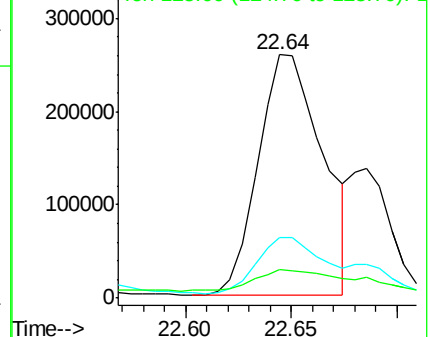
125 11.9 6.5 9.7#

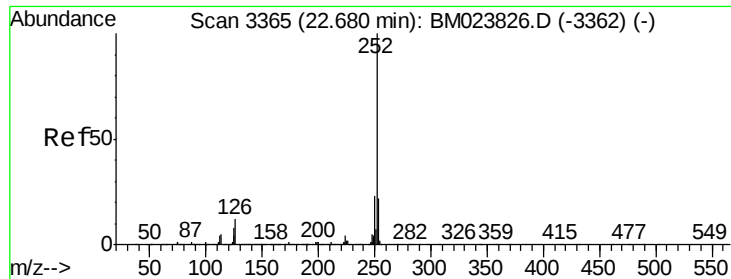


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.239 ng/ul

RT: 22.64 min Scan# 3359

Delta R.T. -0.05 min

Lab File: BM023832.D

Acq: 21 Nov 2019 16:55

Instrument :

BNA_M

ClientSampleId :

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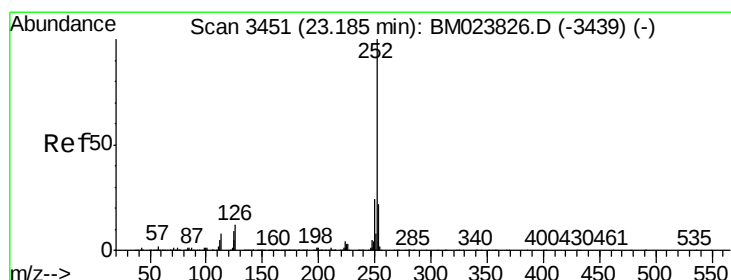
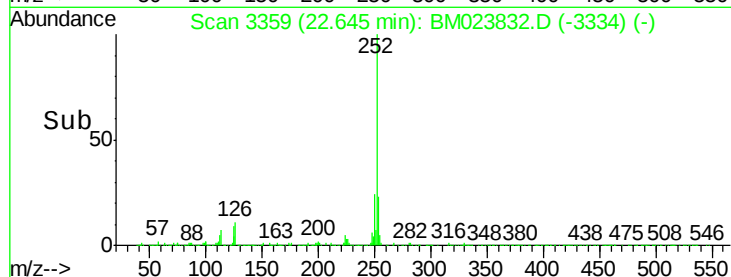
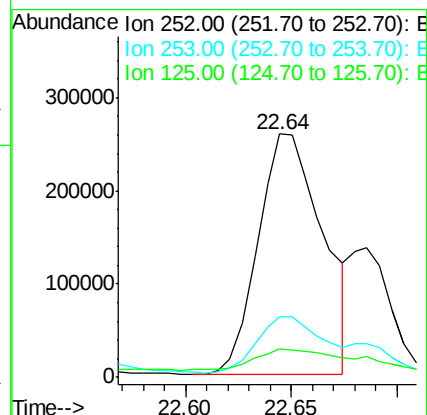
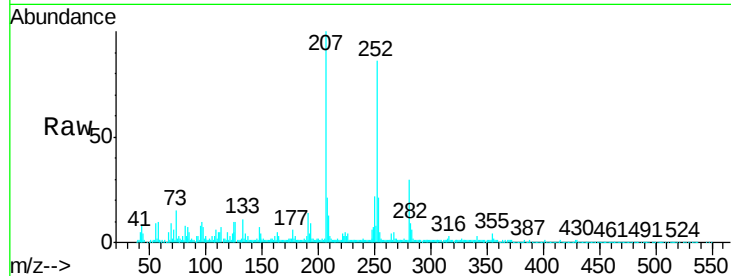
Tgt Ion:252 Resp: 547215

Ion Ratio Lower Upper

252 100

253 24.6 17.2 25.8

125 11.9 5.9 8.9#



#91

Benzo(a)pyrene

Concen: 3.060 ng/ul

RT: 23.19 min Scan# 3452

Delta R.T. -0.01 min

Lab File: BM023832.D

Acq: 21 Nov 2019 16:55

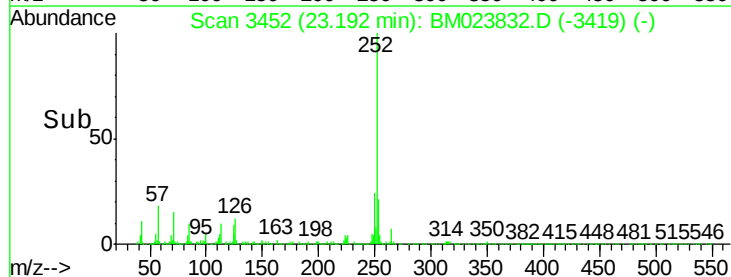
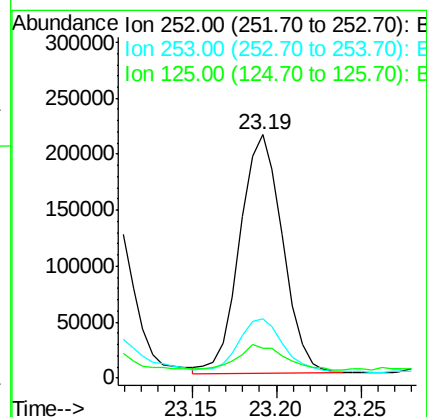
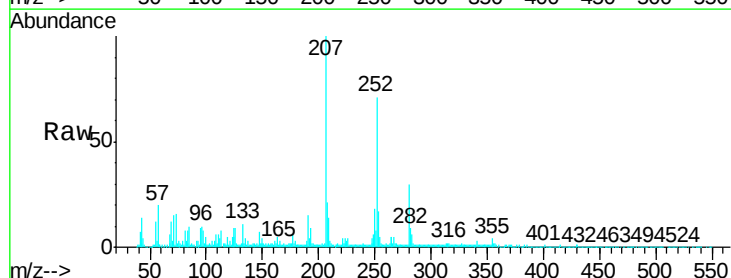
Tgt Ion:252 Resp: 375310

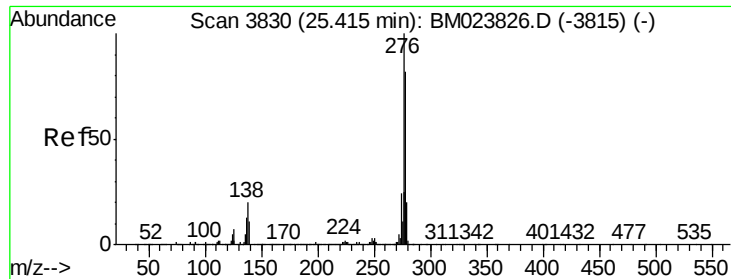
Ion Ratio Lower Upper

252 100

253 24.5 17.3 25.9

125 12.3 6.9 10.3#





#92

Indeno(1,2,3-cd)pyrene

Concen: 1.895 ng/ul

RT: 25.42 min Scan# 3830

Delta R.T. -0.02 min

Lab File: BM023832.D

Acq: 21 Nov 2019 16:55

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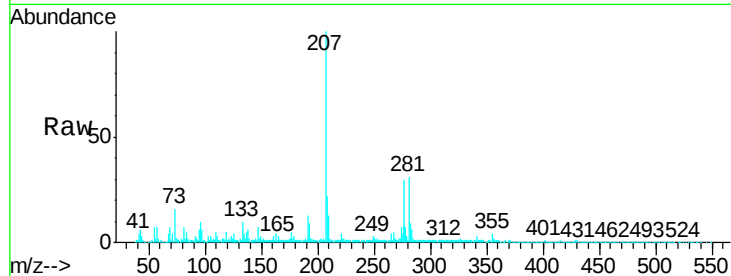
Tgt Ion:276 Resp: 248580

Ion Ratio Lower Upper

276 100

138 18.5 15.0 22.4

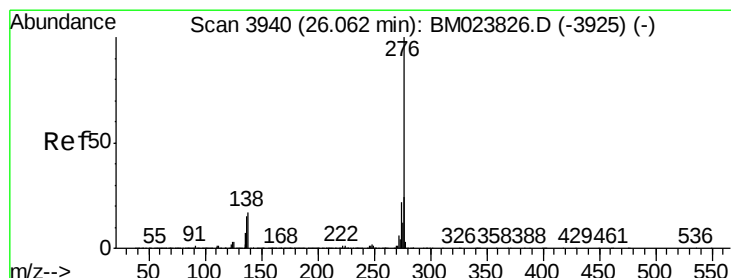
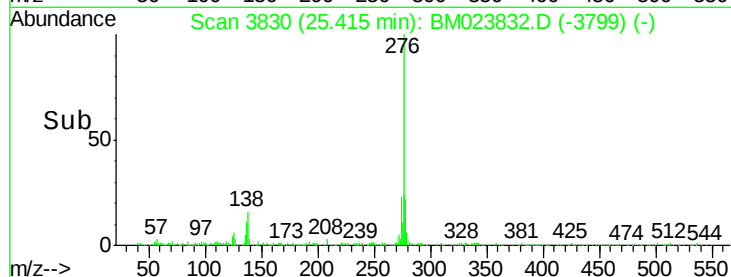
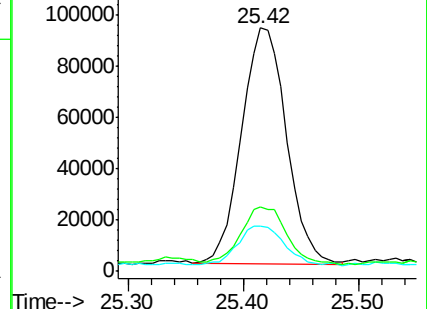
277 26.5 20.0 30.0



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: 2.242 ng/ul

RT: 26.07 min Scan# 3942

Delta R.T. -0.01 min

Lab File: BM023832.D

Acq: 21 Nov 2019 16:55

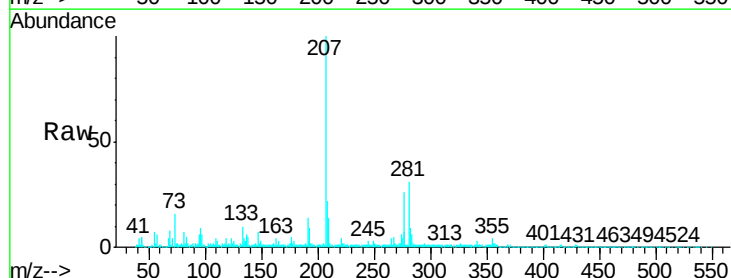
Tgt Ion:276 Resp: 238267

Ion Ratio Lower Upper

276 100

138 19.5 13.2 19.8

277 26.8 18.6 28.0



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

