

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062919\
 Data File : BM021268.D
 Acq On : 29 Jun 2019 18:52
 Operator : HP/JU
 Sample : K3593-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C6BA0

Quant Time: Jun 29 22:21:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 27 05:07:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	312024	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.55	136	1332121	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	831731	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	1778048	20.00	ng/ul	0.00
77) Chrysene-d12	21.34	240	1256300	20.00	ng/ul	0.00
85) Perylene-d12	23.61	264	1411470	20.00	ng/ul	0.00

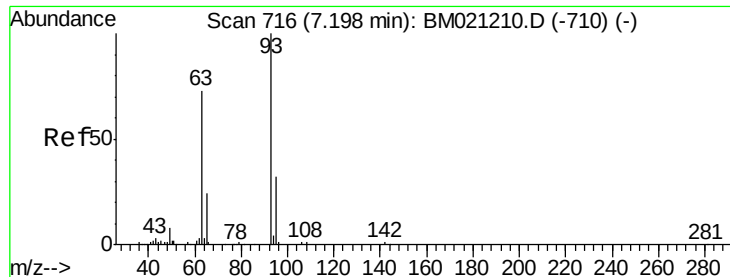
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	26320	4.01	ng/uL	0.00
5) Phenol-d5	6.93	99	694866	25.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	392102	24.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.29	132	573068	25.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.46	113	604733	26.67	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	300060	27.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	356008	29.65	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.17	165	683873	28.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	71593	2.81	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	2103542	27.99	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	2459563	26.74	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	279795	22.89	ng/ul	0.00
57) Fluorene-d10	15.40	176	1791421	27.40	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	196845	18.01	ng/ul	-0.01
70) Anthracene-d10	17.25	188	2476978	26.81	ng/ul	0.00
78) Pyrene-d10	19.54	212	2216885	29.41	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.47	264	2203696	26.46	ng/ul	0.00

Target Compounds

					Qvalue	
8) Bis(2-Chloroethyl)ether	7.19	93	299285	15.265	ng/ul#	25
44) Dimethylphthalate	13.86	163	1549014	22.642	ng/ul	99
68) Pentachlorophenol	16.80	266	19834	1.583	ng/ul	89
69) Phenanthrene	17.19	178	856721	8.712	ng/ul	99
71) Anthracene	17.28	178	150263	1.500	ng/ul	99
74) Carbazole	17.56	167	85660	1.037	ng/ul	98
76) Fluoranthene	19.21	202	2123398	19.984	ng/ul	99
79) Pyrene	19.57	202	1613836	18.171	ng/ul	99
82) Benzo(a)anthracene	21.32	228	789340	9.216	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.24	149	100942	2.156	ng/ul	99
84) Chrysene	21.37	228	933330	11.635	ng/ul	98
87) Benzo(b)fluoranthene	22.93	252	1393881	15.590	ng/ul#	96
88) Benzo(k)fluoranthene	22.93	252	1393881	16.205	ng/ul#	96
90) Benzo(a)pyrene	23.51	252	795954	9.458	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.90	276	670715	6.768	ng/ul	97
92) Dibenzo(a,h)anthracene	25.90	278	170937	2.051	ng/ul#	85
93) Benzo(g,h,i)perylene	26.61	276	557413	6.830	ng/ul	99

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



#8

Bis(2-Chloroethyl)ether

Concen: 15.265 ng/ul

RT: 7.19 min Scan# 714

Delta R.T. -0.01 min

Lab File: BM021268.D

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Instrument :

BNA_M

ClientSampleId :

C6BA0

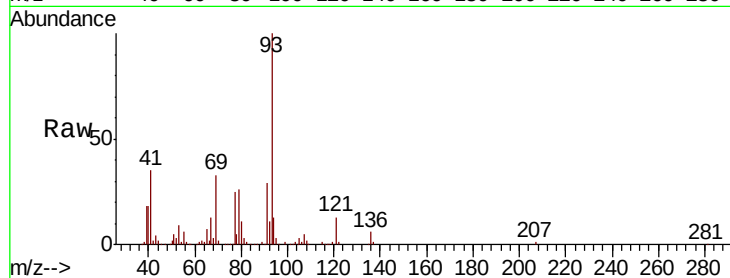
Tgt Ion: 93 Resp: 299285

Ion Ratio Lower Upper

93 100

63 2.1 57.9 86.9#

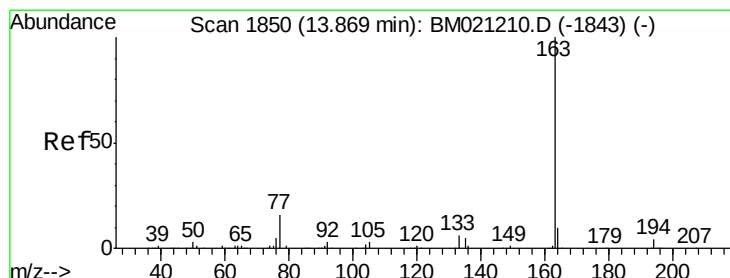
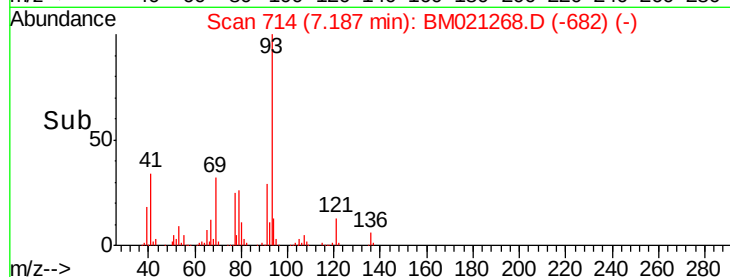
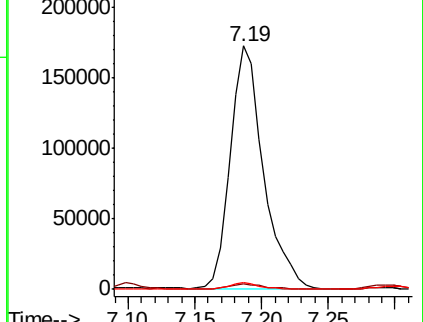
95 2.6 26.2 39.4#



Abundance Ion 93.00 (92.70 to 93.70): BM021210.D (-710) (-)

Ion 63.00 (62.70 to 63.70): BM021210.D (-710) (-)

Ion 95.00 (94.70 to 95.70): BM021210.D (-710) (-)



#44

Dimethylphthalate

Concen: 22.642 ng/ul

RT: 13.86 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BM021268.D

Acq: 29 Jun 2019 18:52

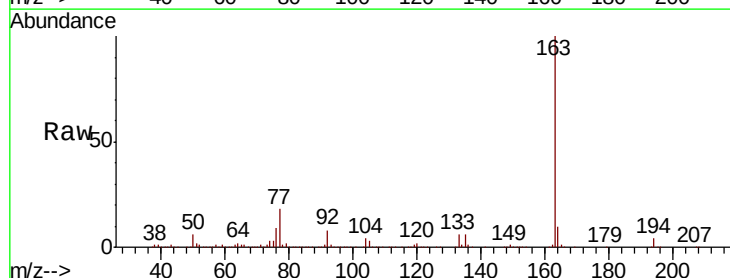
Tgt Ion: 163 Resp: 1549014

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

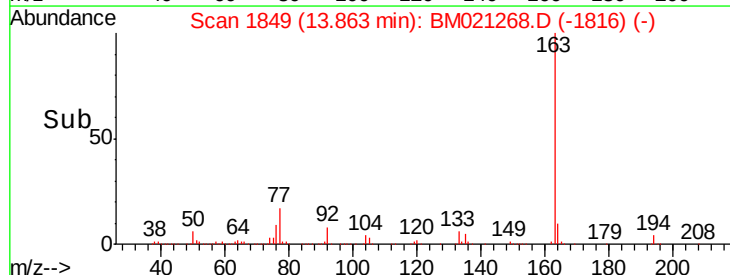
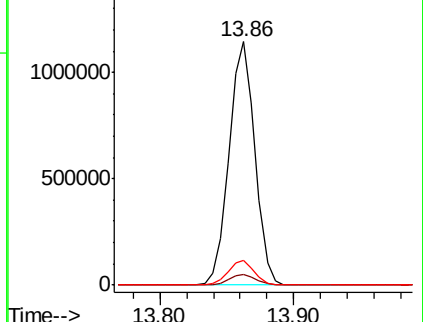
164 10.0 7.7 11.5

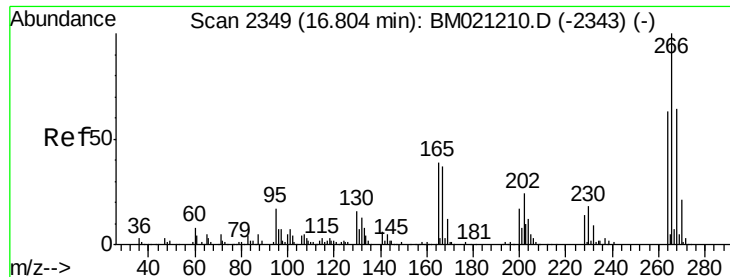


Abundance Ion 163.00 (162.70 to 163.70): BM021210.D (-1843) (-)

Ion 194.00 (193.70 to 194.70): BM021210.D (-1843) (-)

Ion 164.00 (163.70 to 164.70): BM021210.D (-1843) (-)

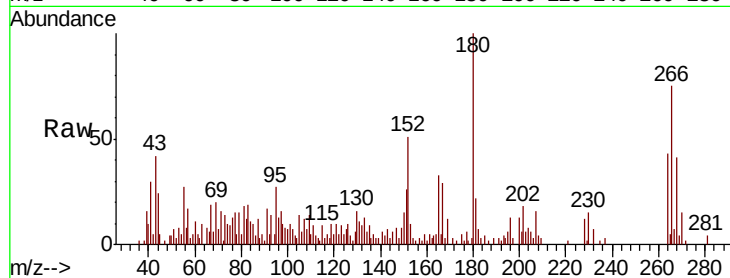




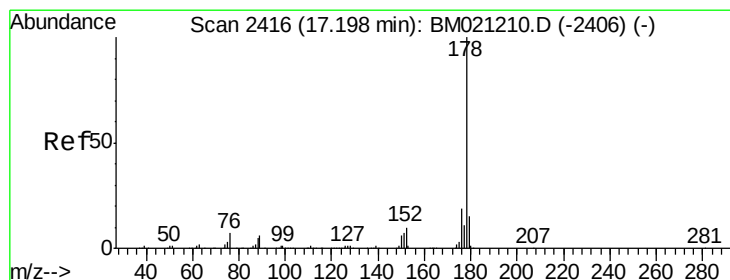
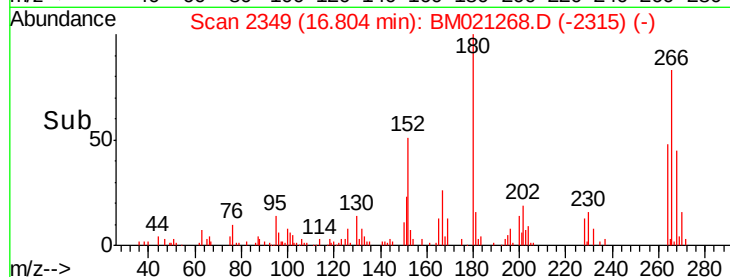
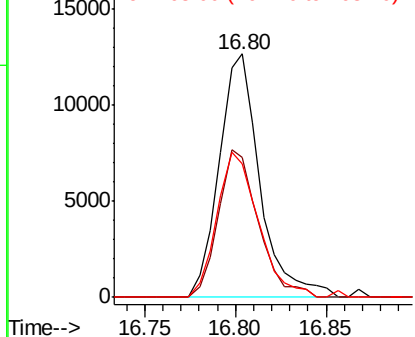
#68
 Pentachlorophenol
 Concen: 1.583 ng/ul
 RT: 16.80 min Scan# 2349
 Delta R.T. -0.00 min
 Lab File: BM021268.D
 Acq: 29 Jun 2019 18:52

Instrument :
 BNA_M
 ClientSampleId :
 C6BA0

Tgt Ion:266 Resp: 19834
 Ion Ratio Lower Upper
 266 100
 264 57.6 49.9 74.9
 268 54.7 53.4 80.0

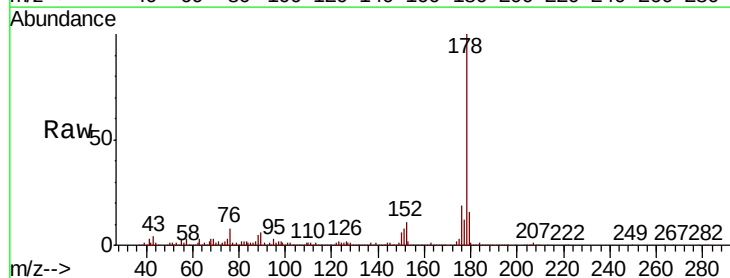


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

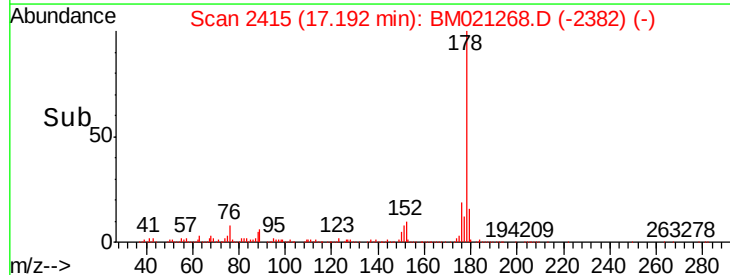
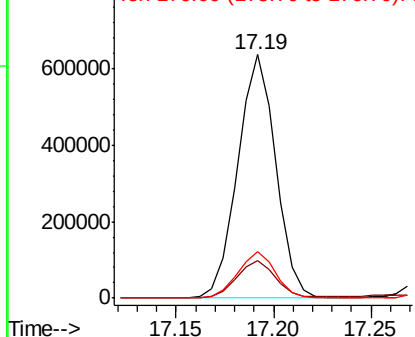


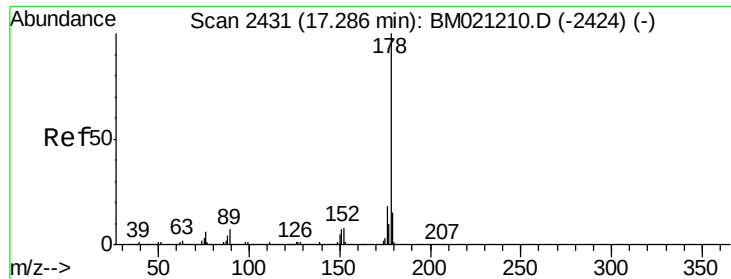
#69
 Phenanthrene
 Concen: 8.712 ng/ul
 RT: 17.19 min Scan# 2415
 Delta R.T. -0.01 min
 Lab File: BM021268.D
 Acq: 29 Jun 2019 18:52

Tgt Ion:178 Resp: 856721
 Ion Ratio Lower Upper
 178 100
 179 15.6 11.8 17.8
 176 19.2 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

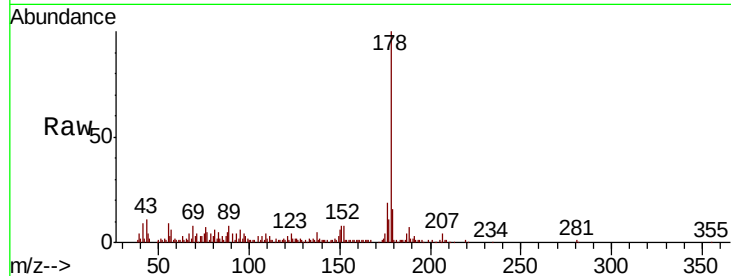




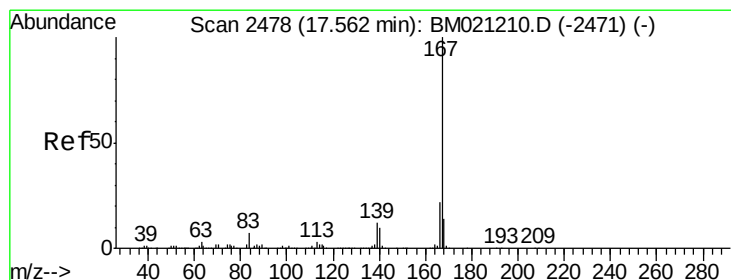
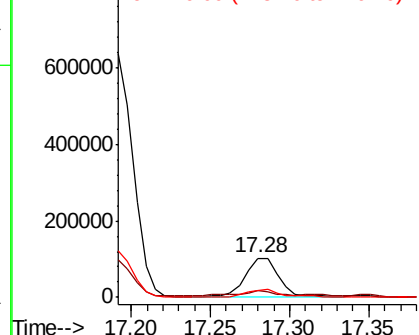
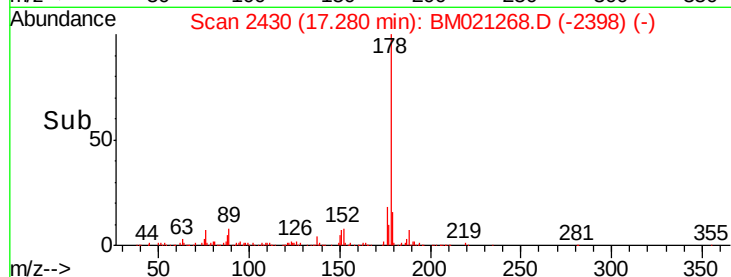
#71
 Anthracene
 Concen: 1.500 ng/ul
 RT: 17.28 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BM021268.D
 Acq: 29 Jun 2019 18:52

Instrument :
 BNA_M
 ClientSampleId :
 C6BA0

Tgt Ion:178 Resp: 150263
 Ion Ratio Lower Upper
 178 100
 179 16.2 12.5 18.7
 176 18.8 14.6 21.8

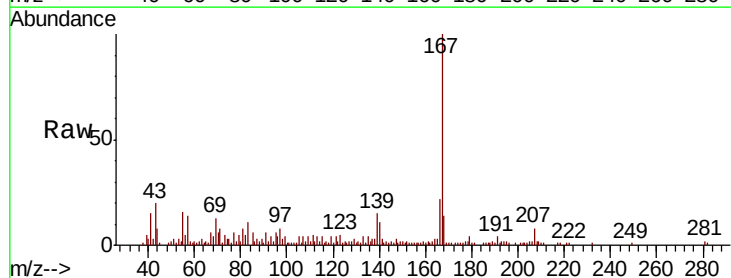


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

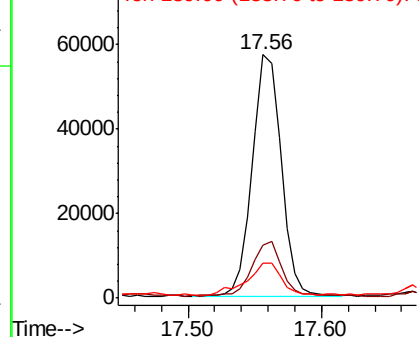
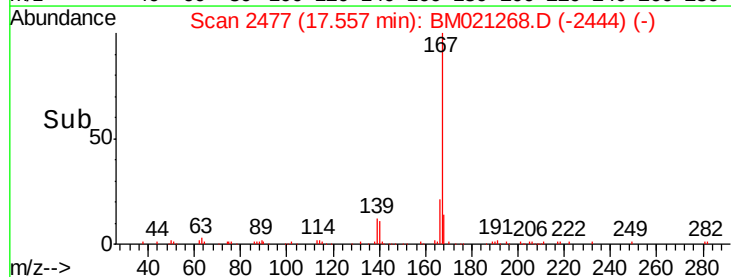


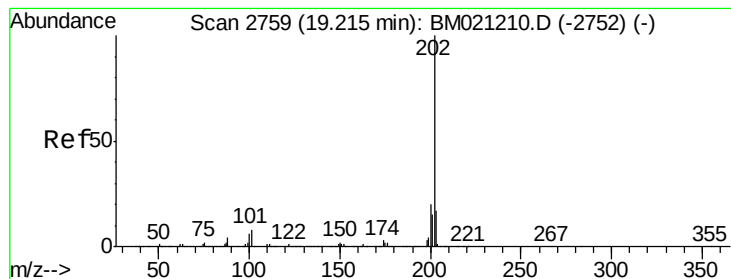
#74
 Carbazole
 Concen: 1.037 ng/ul
 RT: 17.56 min Scan# 2477
 Delta R.T. -0.01 min
 Lab File: BM021268.D
 Acq: 29 Jun 2019 18:52

Tgt Ion:167 Resp: 85660
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.2
 139 14.6 9.8 14.6



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





#76

Fluoranthene

Concen: 19.984 ng/ul

RT: 19.21 min Scan# 2758

Delta R.T. -0.01 min

Lab File: BM021268.D

Acq: 29 Jun 2019 18:52

Instrument :

BNA_M

ClientSampleId :

C6BA0

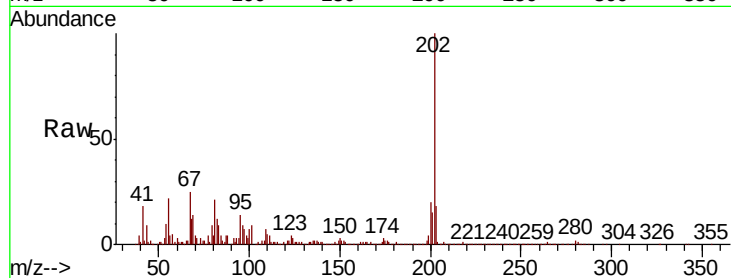
Tgt Ion:202 Resp: 2123398

Ion Ratio Lower Upper

202 100

101 8.7 6.7 10.1

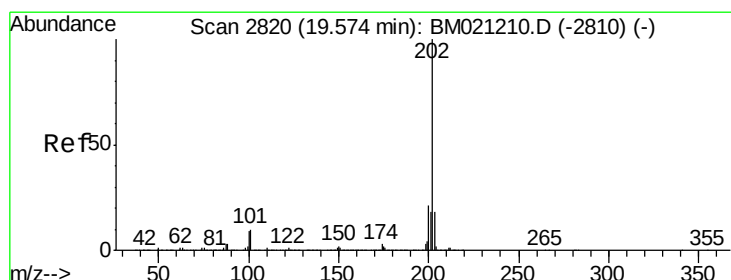
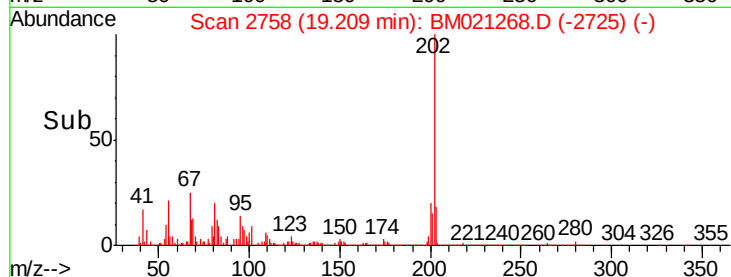
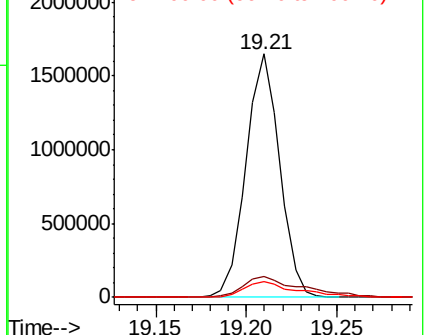
100 6.5 5.5 8.3



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



#79

Pyrene

Concen: 18.171 ng/ul

RT: 19.57 min Scan# 2820

Delta R.T. -0.01 min

Lab File: BM021268.D

Acq: 29 Jun 2019 18:52

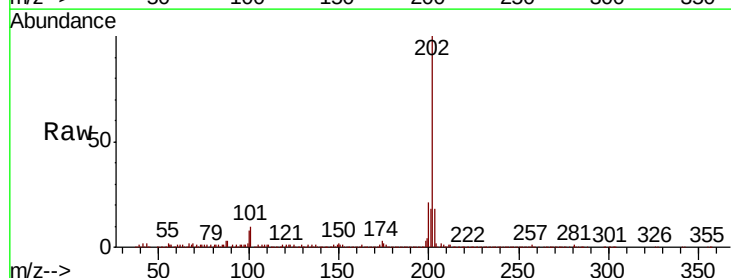
Tgt Ion:202 Resp: 1613836

Ion Ratio Lower Upper

202 100

101 9.8 8.1 12.1

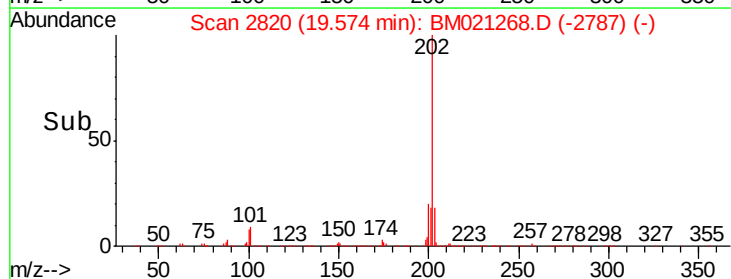
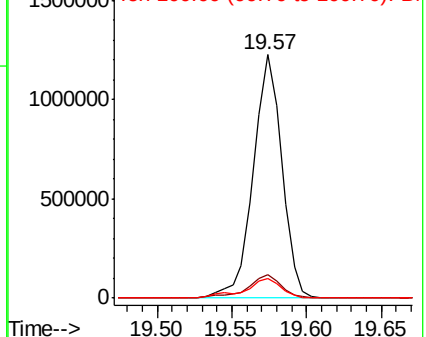
100 8.1 6.6 10.0

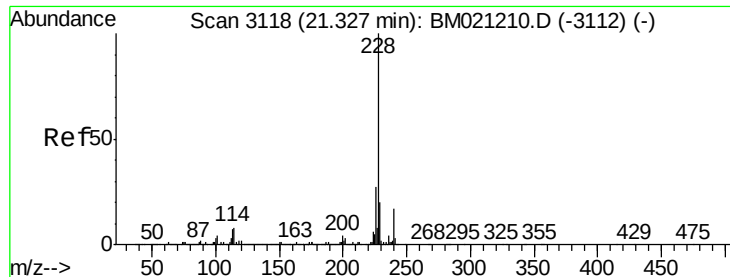


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 9.216 ng/ul

RT: 21.32 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM021268.D

Acq: 29 Jun 2019 18:52

Instrument :

BNA_M

ClientSampleId :

C6BA0

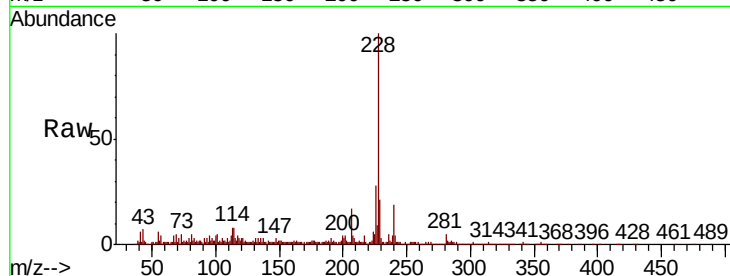
Tgt Ion:228 Resp: 789340

Ion Ratio Lower Upper

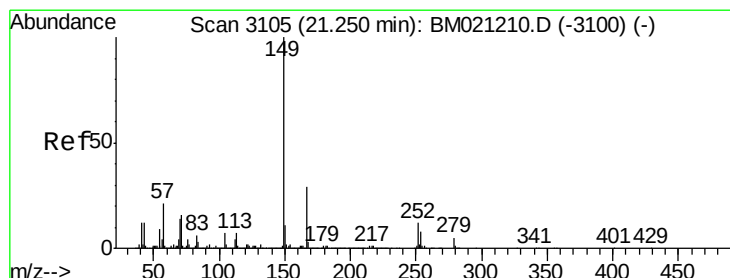
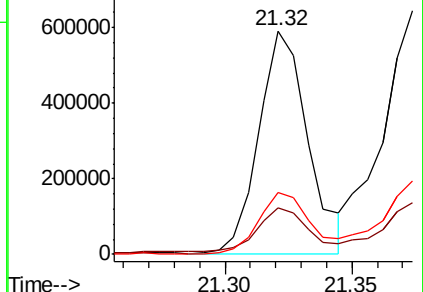
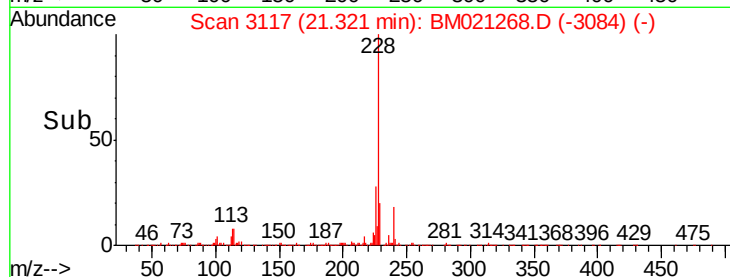
228 100

229 20.7 15.8 23.8

226 27.9 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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.156 ng/ul

RT: 21.24 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BM021268.D

Acq: 29 Jun 2019 18:52

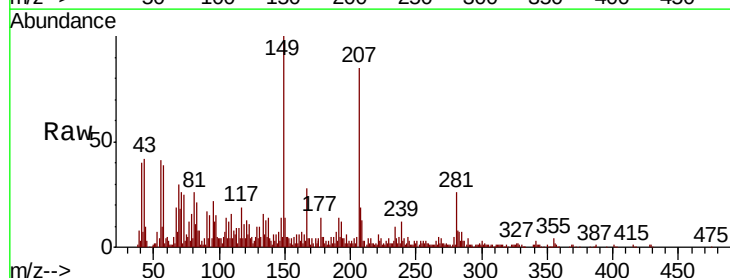
Tgt Ion:149 Resp: 100942

Ion Ratio Lower Upper

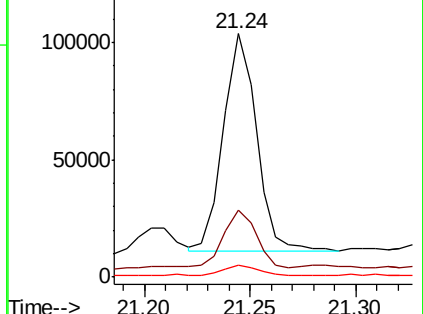
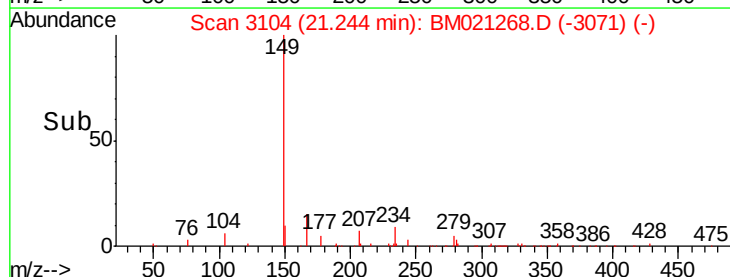
149 100

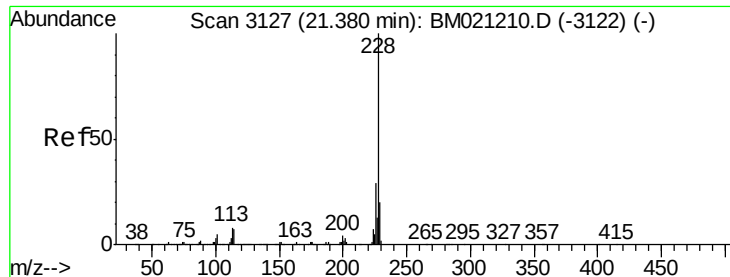
167 27.6 22.3 33.5

279 5.0 3.8 5.6



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 11.635 ng/ul

RT: 21.37 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BM021268.D

Acq: 29 Jun 2019 18:52

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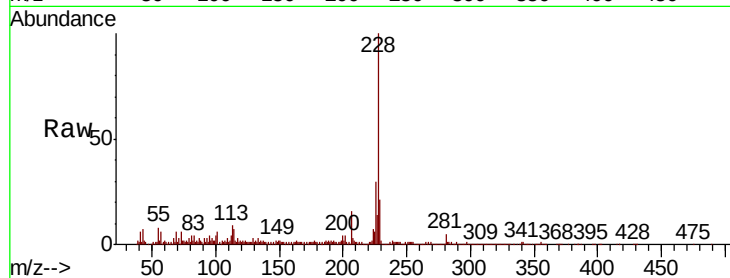
Tgt Ion:228 Resp: 933330

Ion Ratio Lower Upper

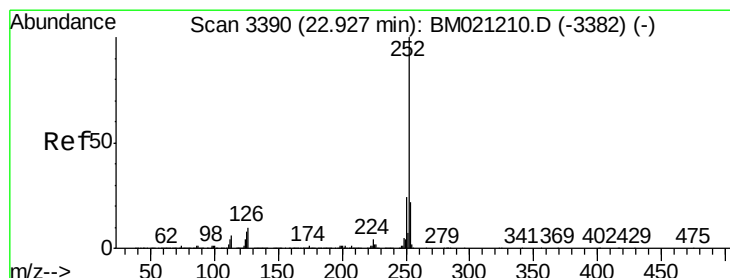
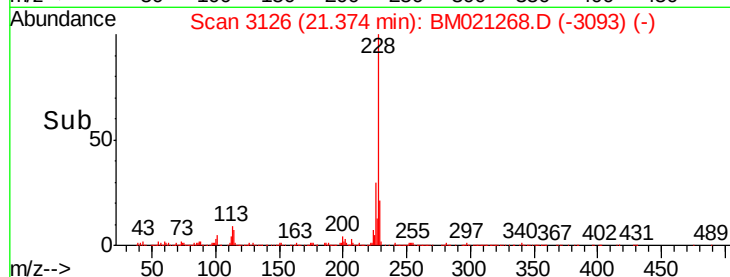
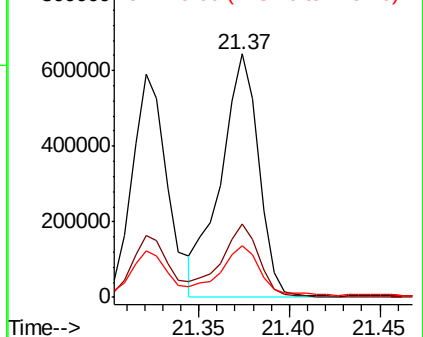
228 100

226 29.9 23.9 35.9

229 21.1 15.4 23.2



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



#87

Benzo(b)fluoranthene

Concen: 15.590 ng/ul

RT: 22.93 min Scan# 3390

Delta R.T. -0.00 min

Lab File: BM021268.D

Acq: 29 Jun 2019 18:52

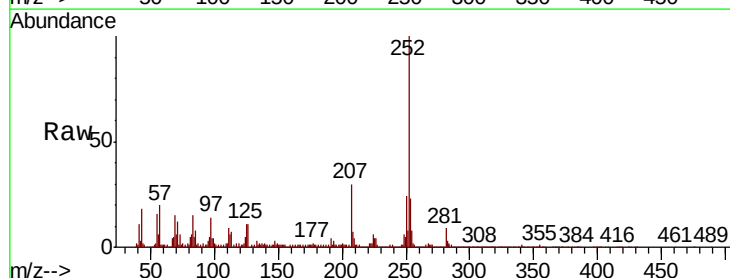
Tgt Ion:252 Resp: 1393881

Ion Ratio Lower Upper

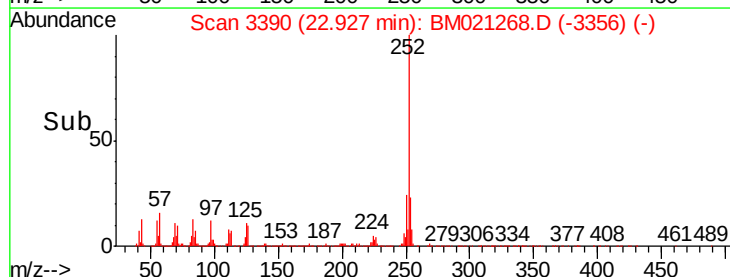
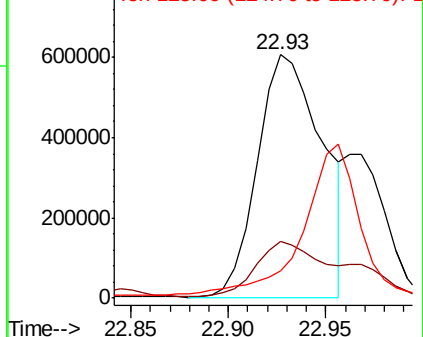
252 100

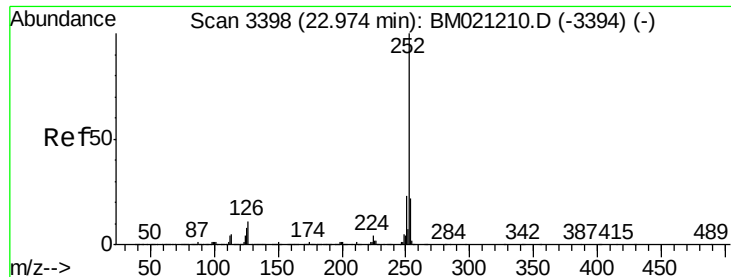
253 23.1 17.5 26.3

125 11.4 6.3 9.5#



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





#88

Benzo(k)fluoranthene

Concen: 16.205 ng/ul

RT: 22.93 min Scan# 3390

Delta R.T. -0.05 min

Lab File: BM021268.D

Acq: 29 Jun 2019 18:52

Instrument :

BNA_M

ClientSampleId :

C6BA0

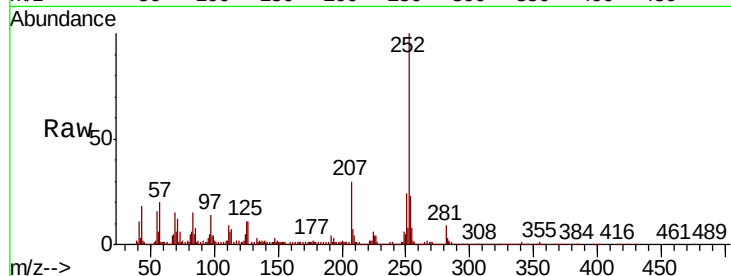
Tgt Ion:252 Resp: 1393881

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 11.4 6.6 9.8#

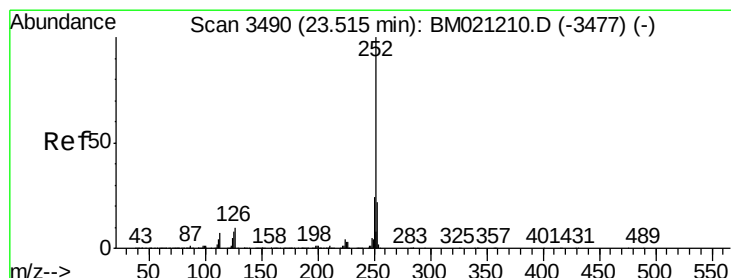
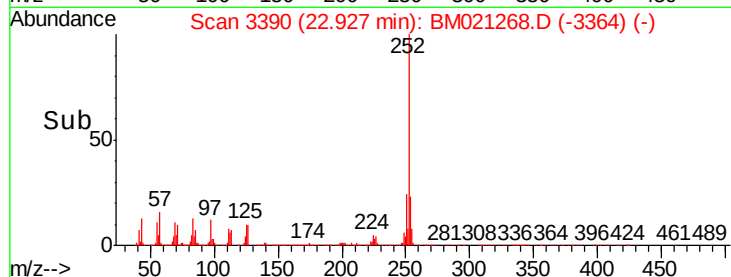
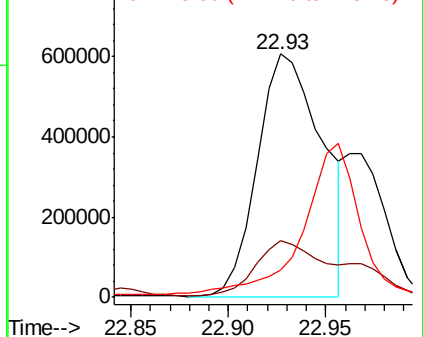


Abundance

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



#90

Benzo(a)pyrene

Concen: 9.458 ng/ul

RT: 23.51 min Scan# 3490

Delta R.T. -0.00 min

Lab File: BM021268.D

Acq: 29 Jun 2019 18:52

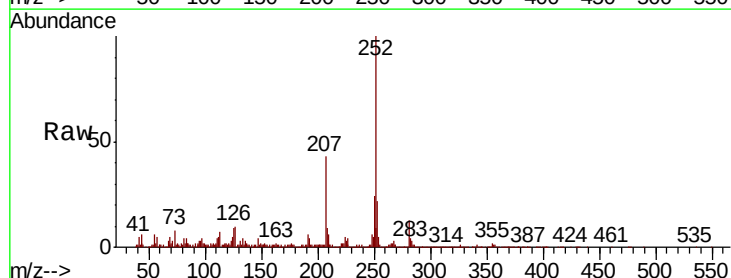
Tgt Ion:252 Resp: 795954

Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.8

125 9.1 7.2 10.8

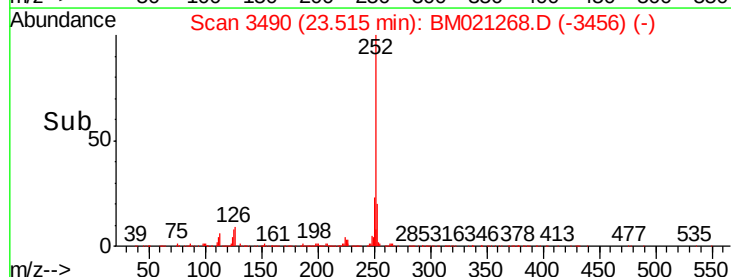
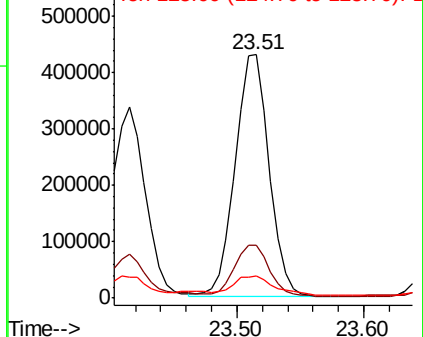


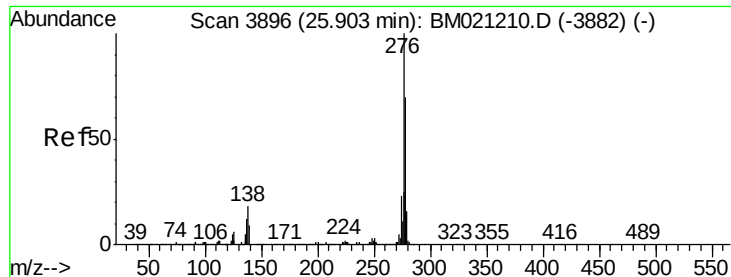
Abundance

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



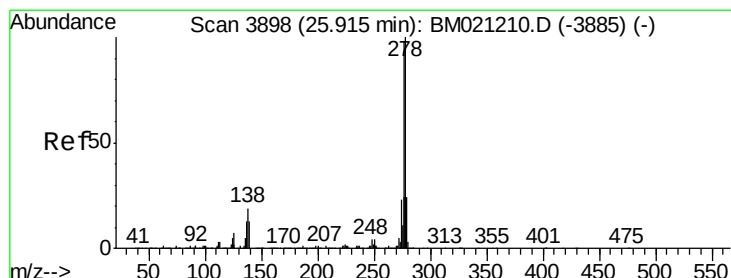
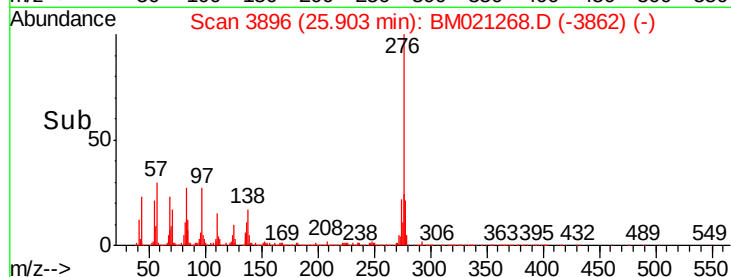
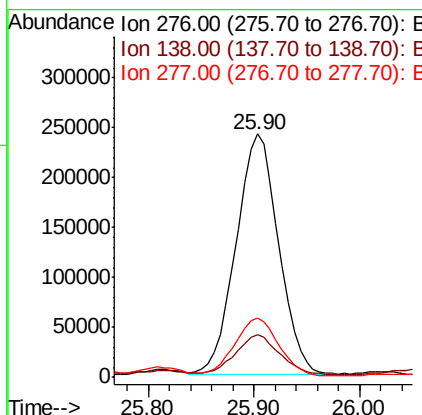
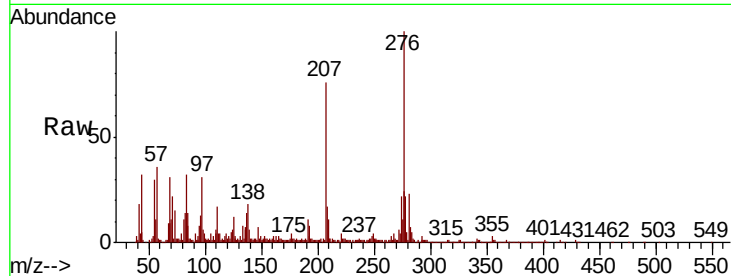


#91

Indeno(1,2,3-cd)pyrene
Concen: 6.768 ng/ul
RT: 25.90 min Scan# 3896
Delta R.T. -0.00 min
Lab File: BM021268.D
Acq: 29 Jun 2019 18:52

Instrument :
BNA_M
ClientSampleId :
C6BA0

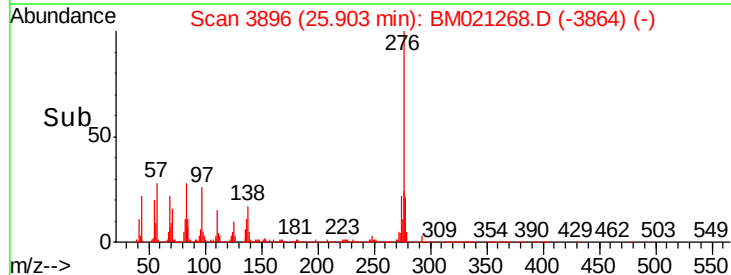
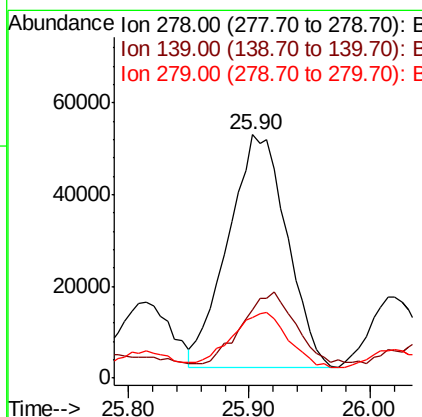
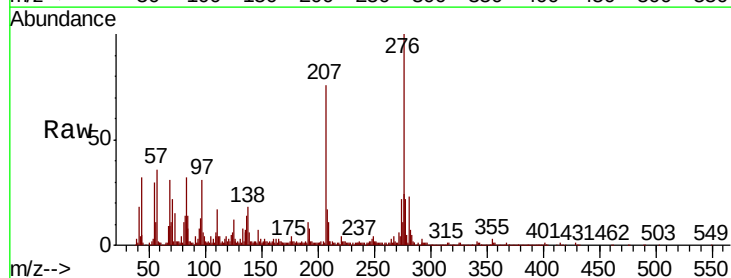
Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.7	15.9	23.9
277	24.4	20.4	30.6

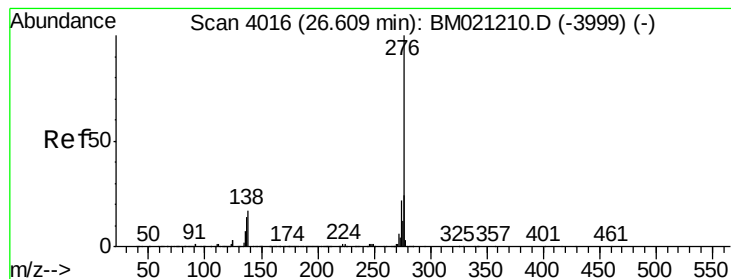


#92

Dibenzo(a,h)anthracene
Concen: 2.051 ng/ul
RT: 25.90 min Scan# 3896
Delta R.T. -0.01 min
Lab File: BM021268.D
Acq: 29 Jun 2019 18:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.1	10.6	15.8#
279	25.1	19.0	28.4





#93

Benzo(g,h,i)perylene

Concen: 6.830 ng/ul

RT: 26.61 min Scan# 4017

Delta R.T. 0.01 min

Lab File: BM021268.D

Acq: 29 Jun 2019 18:52

Instrument :

BNA_M

ClientSampleId :

C6BA0

Tgt Ion: 276 Resp: 557413

Ion Ratio Lower Upper

276 100

138 17.7 14.6 21.8

277 23.6 18.9 28.3

