

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
 Data File : BM023212.D
 Acq On : 17 Oct 2019 09:14
 Operator : JU
 Sample : K5262-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 17 12:35:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 17 12:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	443548	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1737689	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	976432	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	1834264	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1813788	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2250043	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	39065	3.88	ng/uL	0.00
5) Phenol-d5	6.83	99	656014	16.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	457568	20.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	599284	20.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	542961	17.50	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	291896	24.83	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	318076	28.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	553162	19.43	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	389017	11.23	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	1659275	22.17	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1994068	22.72	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	105957	8.75	ng/ul	0.00
58) Fluorene-d10	15.30	176	1378815	21.63	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	108036	14.86	ng/ul	0.00
71) Anthracene-d10	17.15	188	1999161	22.60	ng/ul	0.00
79) Pyrene-d10	19.45	212	2079686	23.68	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	2544081	22.31	ng/ul	0.00

Target Compounds

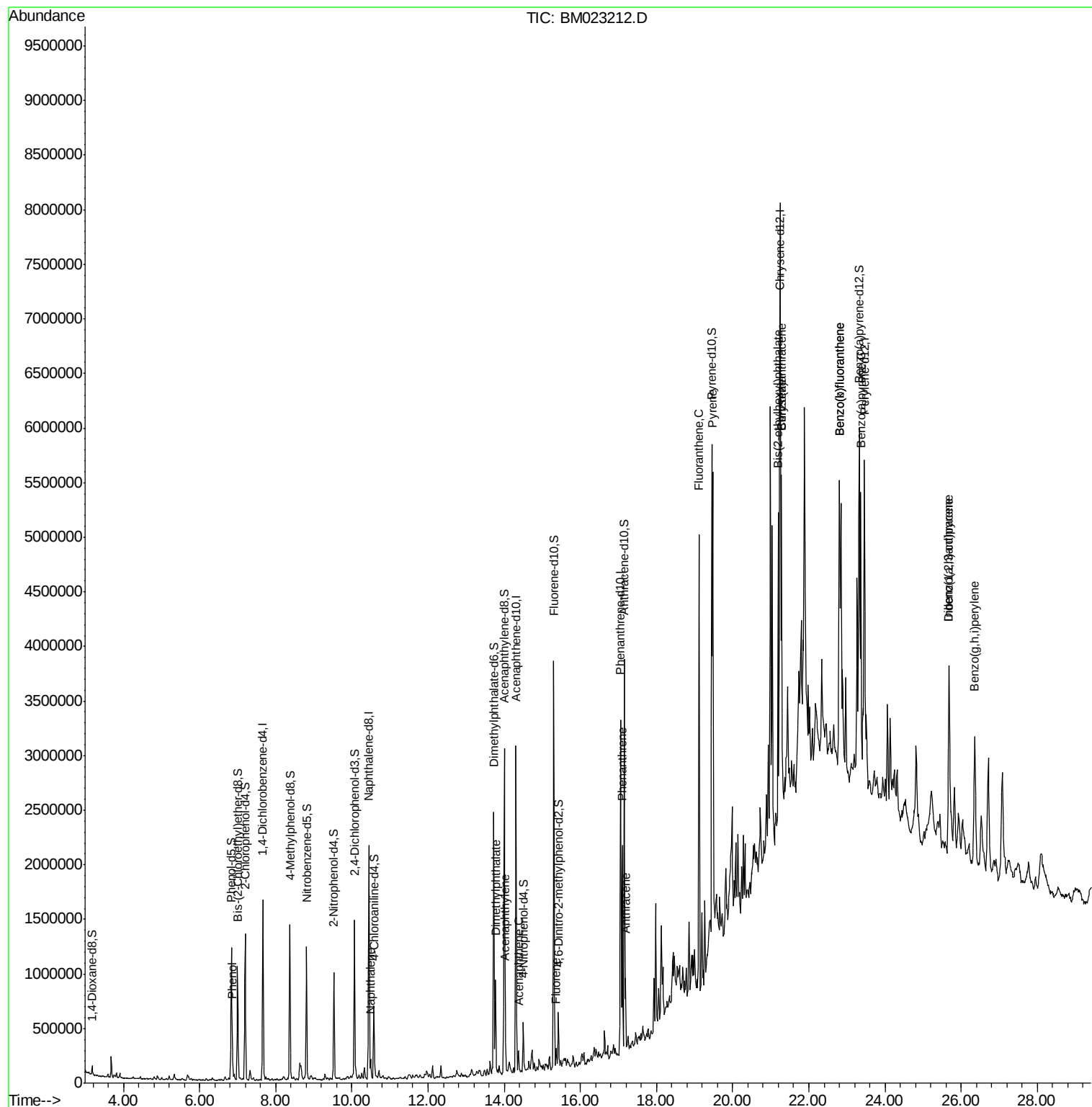
					Ovalue	
6) Phenol	6.86	94	125655	3.154	ng/ul	95
28) Naphthalene	10.49	128	144403	1.608	ng/ul	99
45) Dimethylphthalate	13.77	163	486567	6.497	ng/ul	99
48) Acenaphthylene	14.03	152	368516	4.107	ng/ul	99
50) Acenaphthene	14.37	153	82266	1.317	ng/ul	96
59) Fluorene	15.36	166	81431	1.119	ng/ul#	98
70) Phenanthrene	17.10	178	1142389	11.098	ng/ul	99
72) Anthracene	17.19	178	397184	3.734	ng/ul	99
77) Fluoranthene	19.12	202	2305598	18.833	ng/ul	99
80) Pyrene	19.48	202	2546566	22.412	ng/ul	99
83) Benzo(a)anthracene	21.28	228	1666253	13.558	ng/ul	92
84) Bis(2-ethylhexyl)phthalate	21.19	149	1047522	16.670	ng/ul	100
85) Chrysene	21.28	228	1667168	14.610	ng/ul	95
88) Benzo(b)fluoranthene	22.80	252	2485483	18.219	ng/ul#	96
89) Benzo(k)fluoranthene	22.80	252	2485483	18.974	ng/ul	96
91) Benzo(a)pyrene	23.36	252	1935021	14.784	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.68	276	1492619	9.586	ng/ul	98
93) Dibenzo(a,h)anthracene	25.69	278	427918	3.287	ng/ul#	89
94) Benzo(g,h,i)perylene	26.36	276	1379502	10.761	ng/ul	99

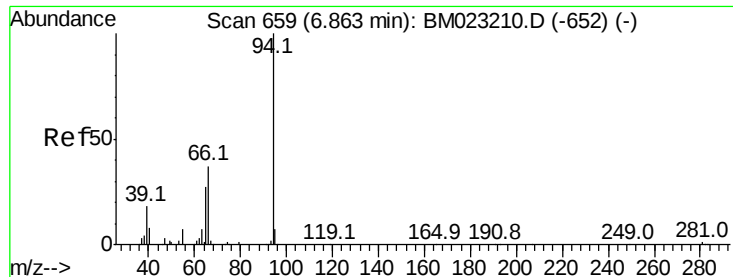
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 17 12:33:14 2019
Response via : Initial Calibration





#6

Phenol

Concen: 3.154 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.01 min

Lab File: BM023212.D

Acq: 17 Oct 2019 09:14

Instrument :

BNA_M

ClientSampleId :

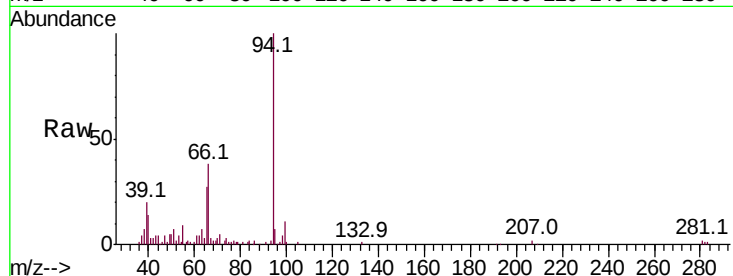
Tot Ion: 94 Resp: 125655

Ion Ratio Lower Upper

94 100

65 26.7 23.7 35.5

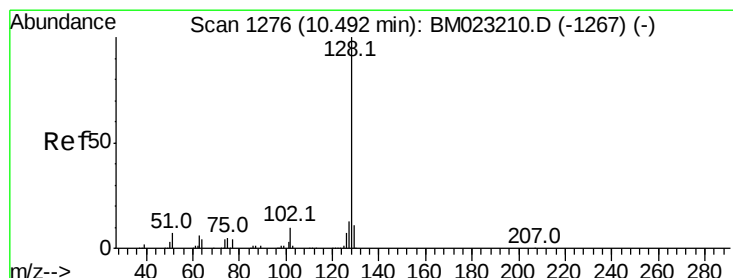
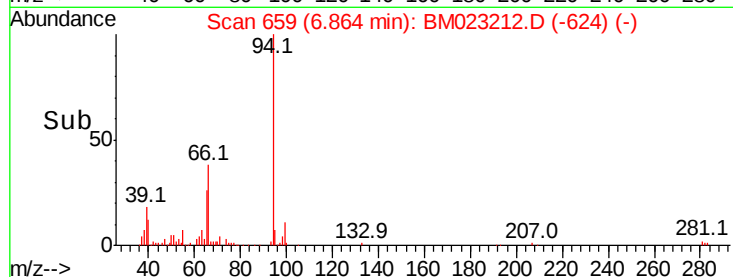
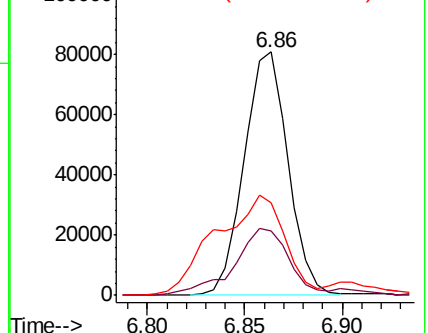
66 37.9 32.9 49.3



Abundance Ion 94.00 (93.70 to 94.70): BM023210.D (-652) (-)

Ion 65.00 (64.70 to 65.70): BM023210.D (-652) (-)

Ion 66.00 (65.70 to 66.70): BM023210.D (-652) (-)



#28

Naphthalene

Concen: 1.608 ng/ul

RT: 10.49 min Scan# 1276

Delta R.T. 0.00 min

Lab File: BM023212.D

Acq: 17 Oct 2019 09:14

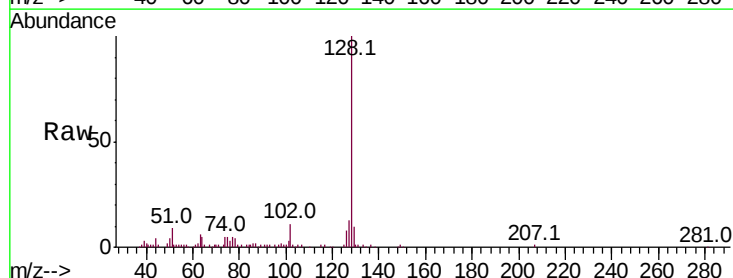
Tgt Ion: 128 Resp: 144403

Ion Ratio Lower Upper

128 100

129 9.9 8.3 12.5

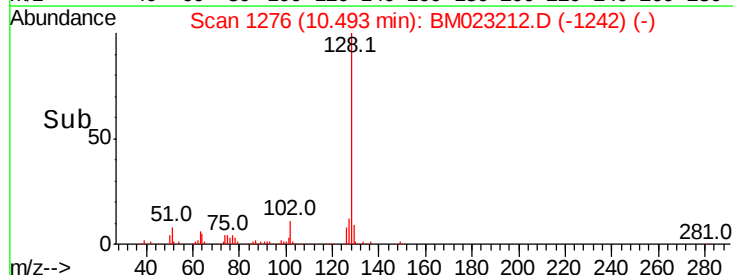
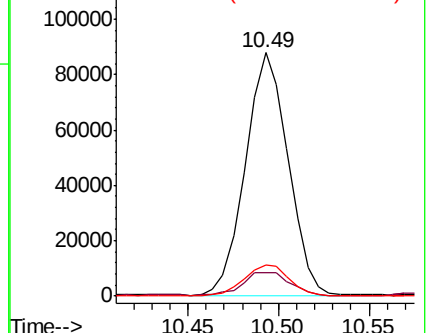
127 12.7 10.2 15.4

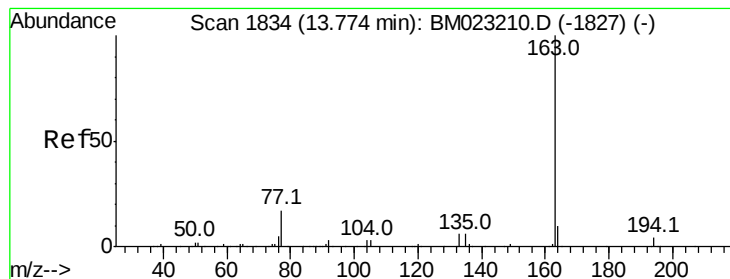


Abundance Ion 128.00 (127.70 to 128.70): BM023210.D (-1267) (-)

Ion 129.00 (128.70 to 129.70): BM023210.D (-1267) (-)

Ion 127.00 (126.70 to 127.70): BM023210.D (-1267) (-)





#45

Dimethylphthalate

Concen: 6.497 ng/ul

RT: 13.77 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BM023212.D

Acq: 17 Oct 2019 09:14

Instrument :

BNA_M

ClientSampleId :

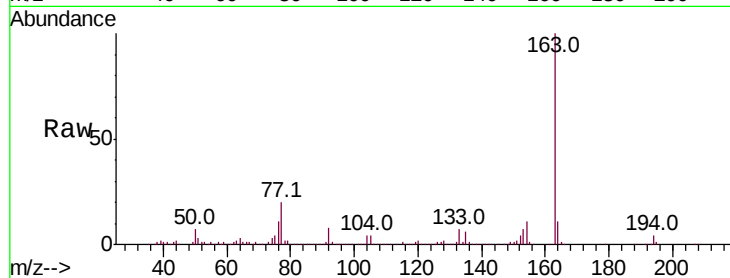
Tot Ion:163 Resp: 486567

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

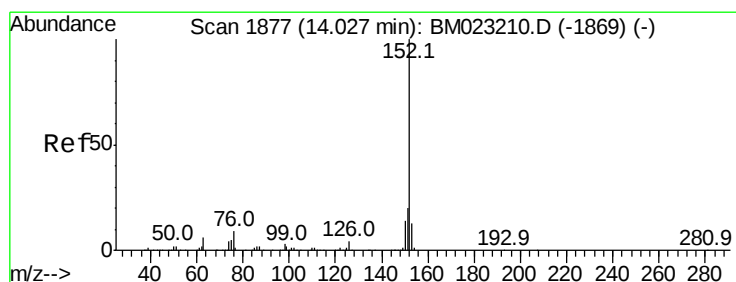
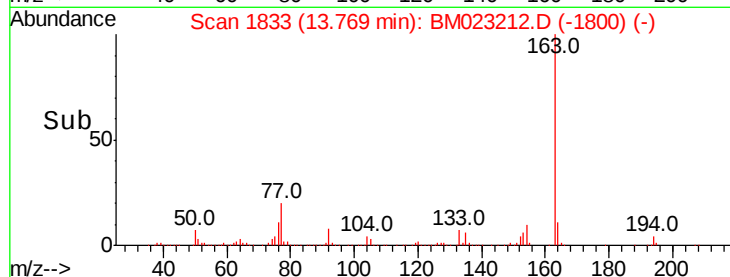
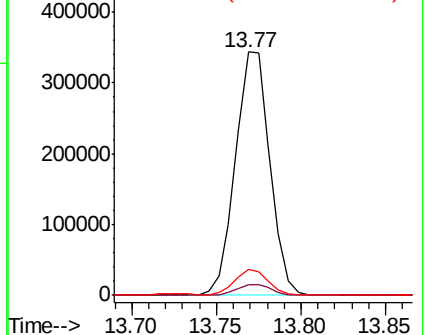
164 10.5 8.0 12.0



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



#48

Acenaphthylene

Concen: 4.107 ng/ul

RT: 14.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM023212.D

Acq: 17 Oct 2019 09:14

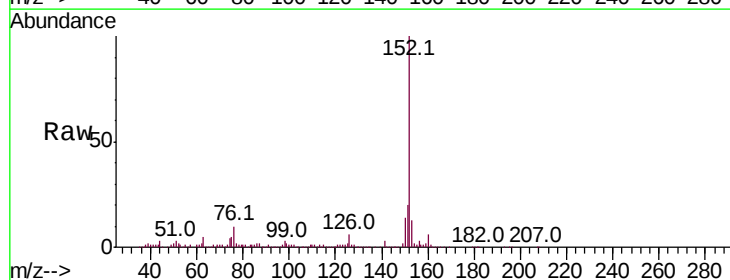
Tgt Ion:152 Resp: 368516

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.6

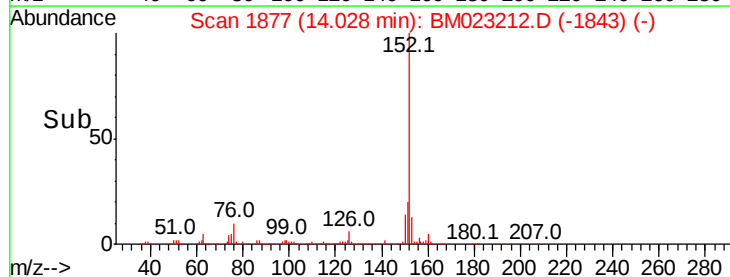
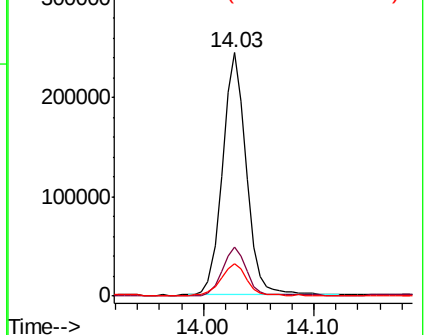
153 13.5 10.3 15.5

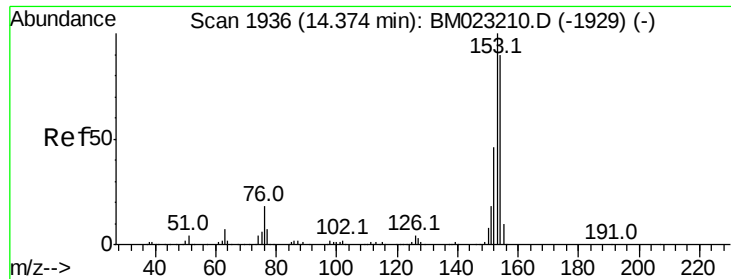


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 1.317 ng/ul

RT: 14.37 min Scan# 1936

Delta R.T. 0.00 min

Lab File: BM023212.D

Acq: 17 Oct 2019 09:14

Instrument :

BNA_M

ClientSampleId :

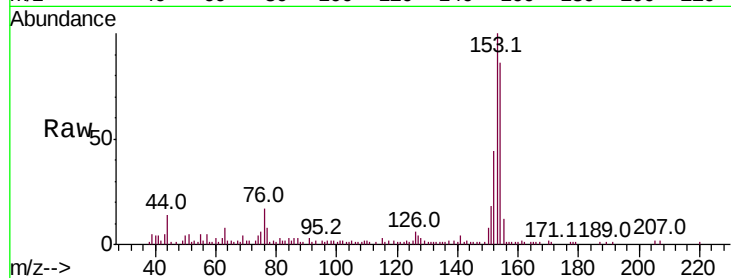
Tot Ion:153 Resp: 82266

Ion Ratio Lower Upper

153 100

152 43.6 38.0 57.0

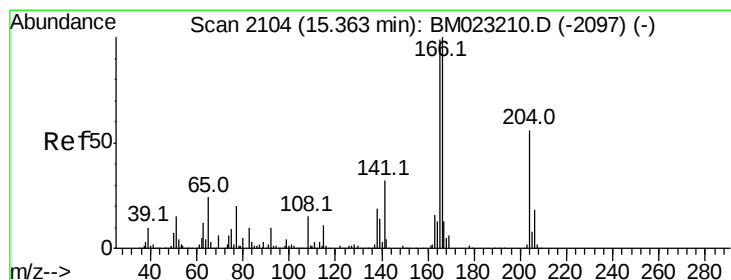
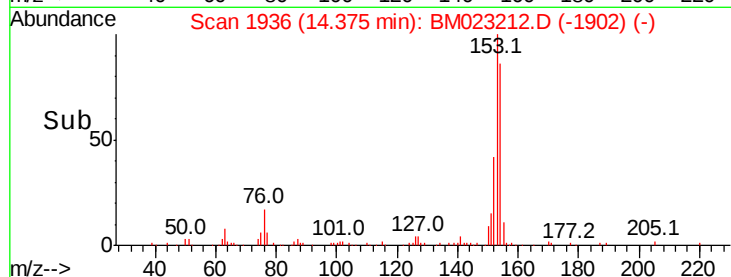
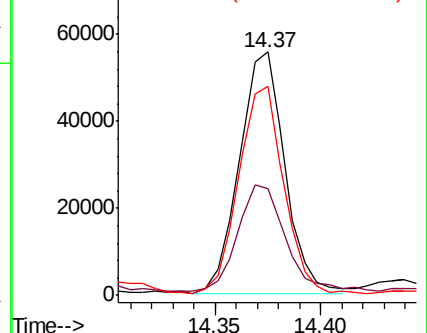
154 85.9 70.4 105.6



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



#59

Fluorene

Concen: 1.119 ng/ul

RT: 15.36 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BM023212.D

Acq: 17 Oct 2019 09:14

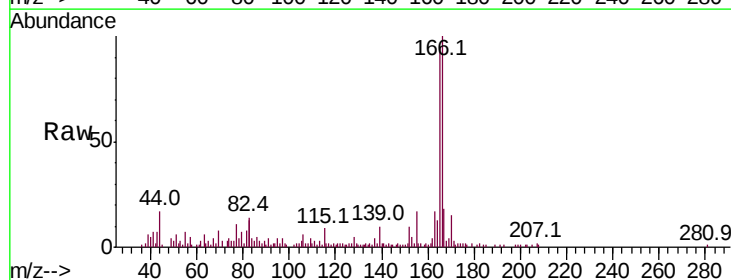
Tgt Ion:166 Resp: 81431

Ion Ratio Lower Upper

166 100

165 95.5 77.4 116.0

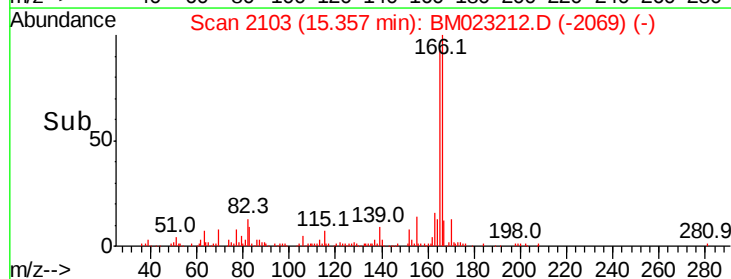
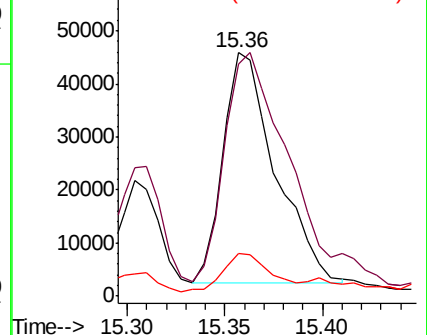
167 17.6 10.8 16.2#

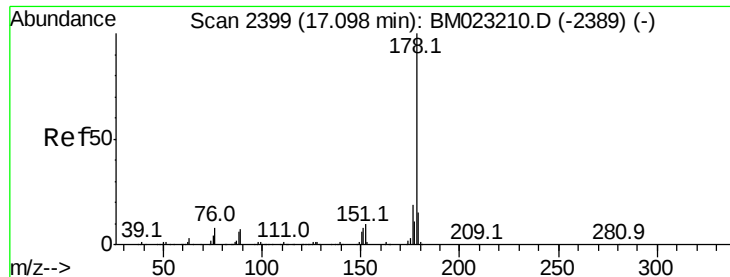


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 11.098 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. 0.01 min

Lab File: BM023212.D

Acq: 17 Oct 2019 09:14

Instrument :

BNA_M

ClientSampleId :

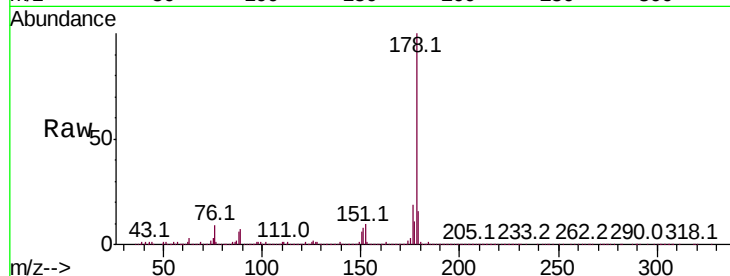
Tot Ion:178 Resp: 1142389

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	19.4	15.5	23.3

178 100

179 15.9 12.3 18.5

176 19.4 15.5 23.3

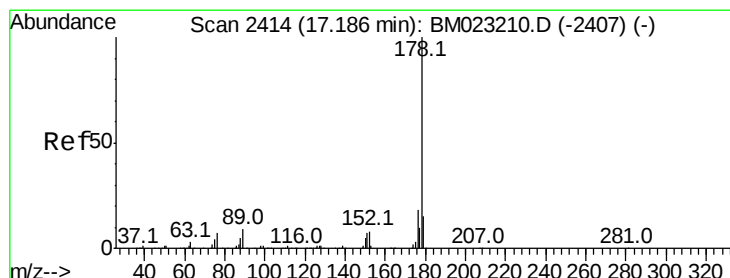
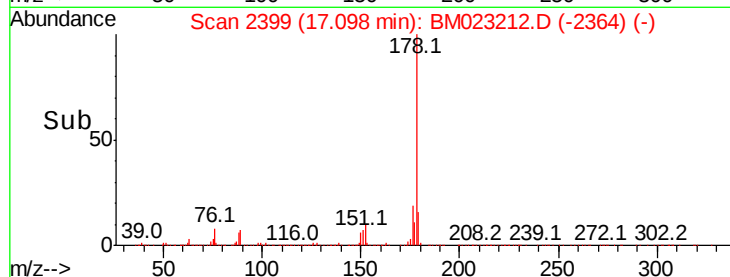
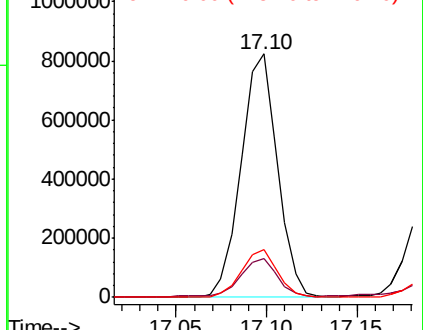


Abundance

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: 3.734 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. 0.00 min

Lab File: BM023212.D

Acq: 17 Oct 2019 09:14

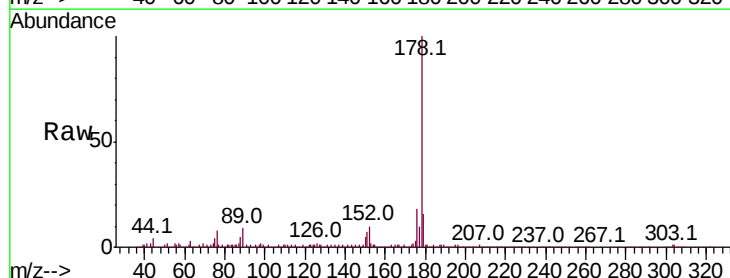
Tgt Ion:178 Resp: 397184

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	18.4	15.0	22.4

178 100

179 16.0 12.3 18.5

176 18.4 15.0 22.4

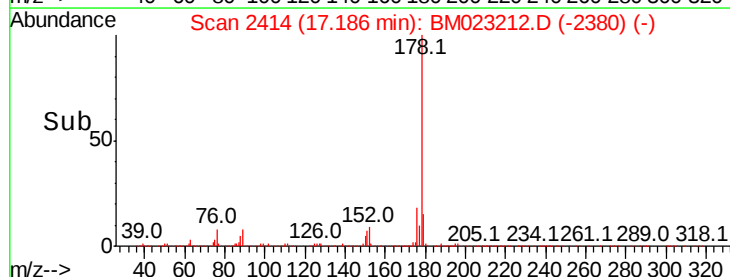
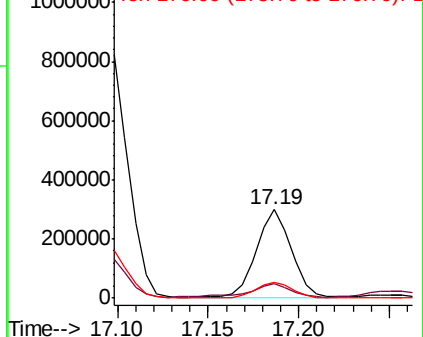


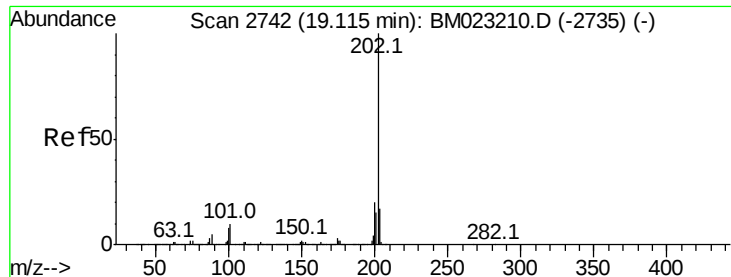
Abundance

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



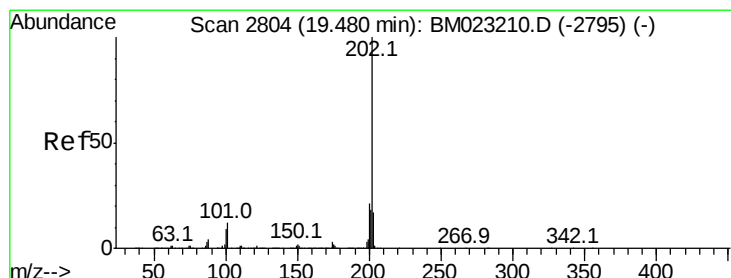
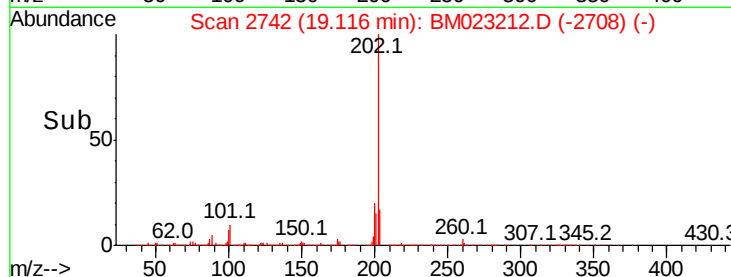
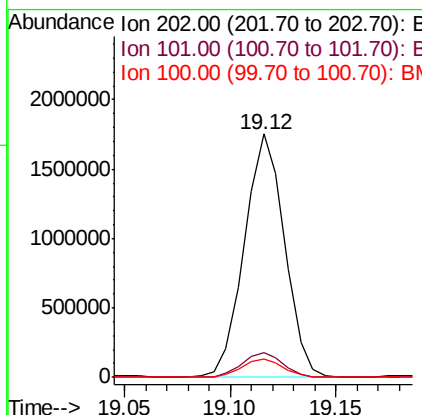
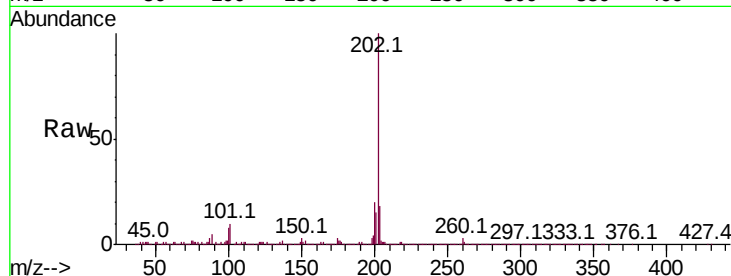


#77
 Fluoranthene
 Concen: 18.833 ng/ul
 RT: 19.12 min Scan# 2742
 Delta R.T. 0.00 min
 Lab File: BM023212.D
 Acq: 17 Oct 2019 09:14

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp: 2305598

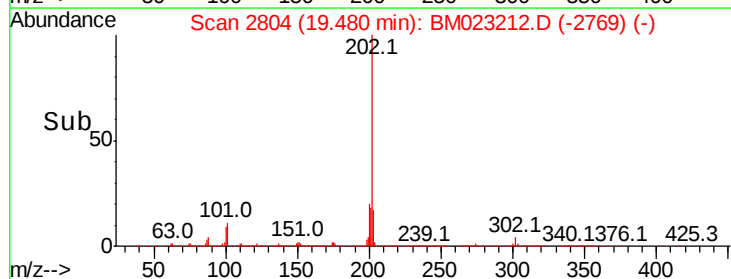
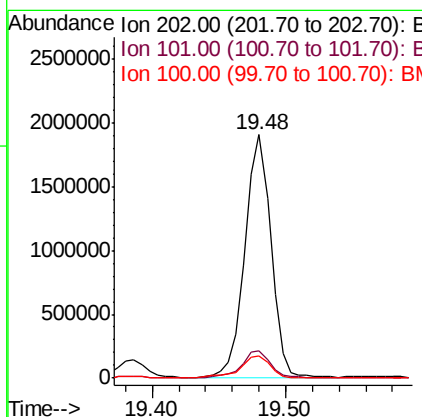
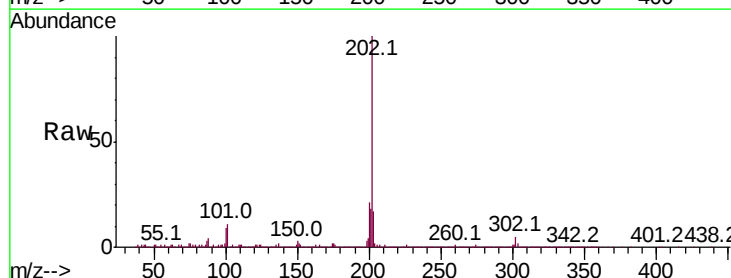
Ion	Ratio	Lower	Upper
202	100		
101	10.2	7.8	11.8
100	7.5	6.1	9.1

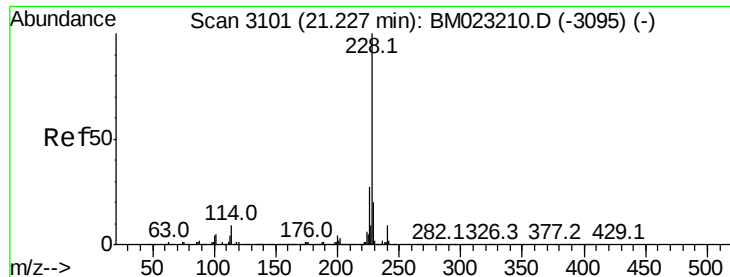


#80
 Pyrene
 Concen: 22.412 ng/ul
 RT: 19.48 min Scan# 2804
 Delta R.T. 0.01 min
 Lab File: BM023212.D
 Acq: 17 Oct 2019 09:14

Tgt Ion:202 Resp: 2546566

Ion	Ratio	Lower	Upper
202	100		
101	11.0	9.1	13.7
100	9.2	7.5	11.3





#83

Benzo(a)anthracene

Concen: 13.558 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. 0.05 min

Lab File: BM023212.D

Acq: 17 Oct 2019 09:14

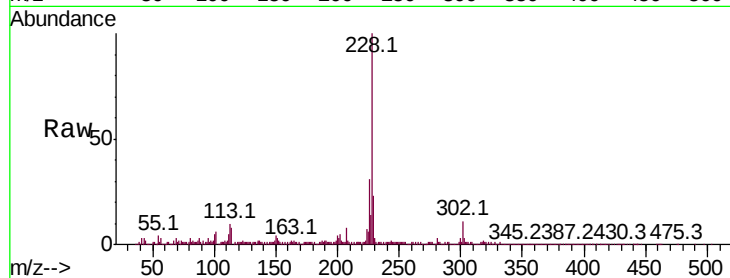
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1666253

Ion	Ratio	Lower	Upper
228	100		
229	23.1	15.7	23.5
226	30.9	21.6	32.4

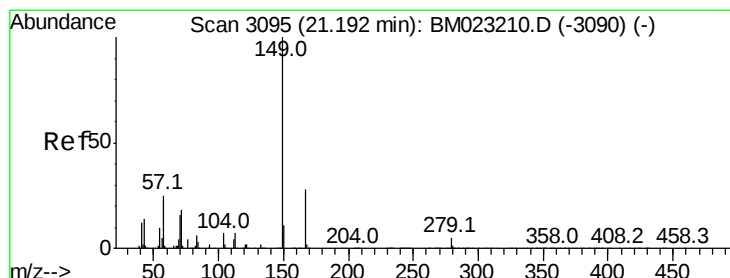
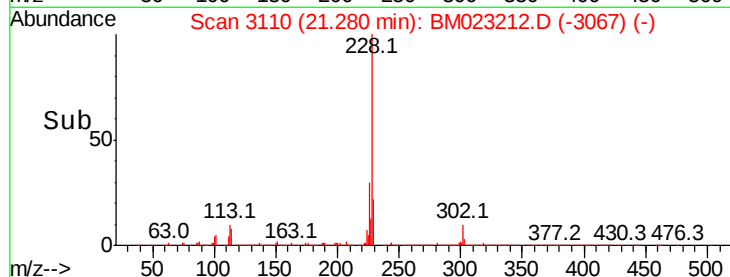
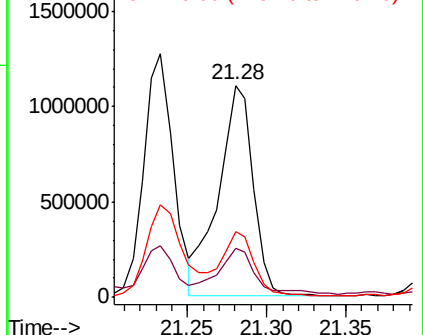


Abundance

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 16.670 ng/ul

RT: 21.19 min Scan# 3095

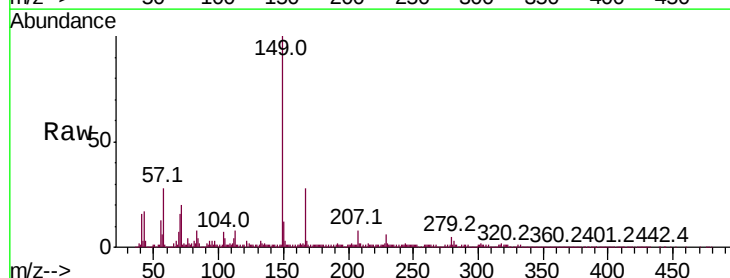
Delta R.T. 0.00 min

Lab File: BM023212.D

Acq: 17 Oct 2019 09:14

Tgt Ion:149 Resp: 1047522

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.5	33.7
279	5.4	4.0	6.0

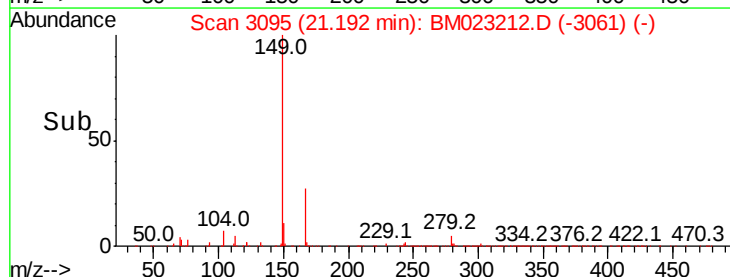
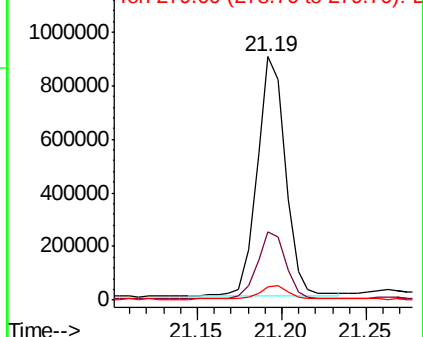


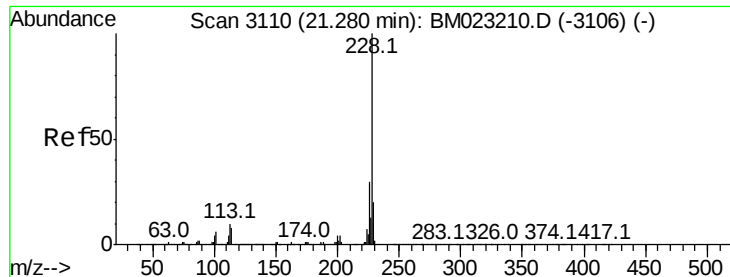
Abundance

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





#85

Chrysene

Concen: 14.610 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. 0.00 min

Lab File: BM023212.D

Acq: 17 Oct 2019 09:14

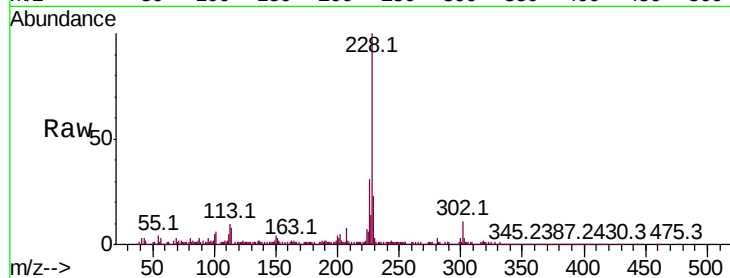
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1667168

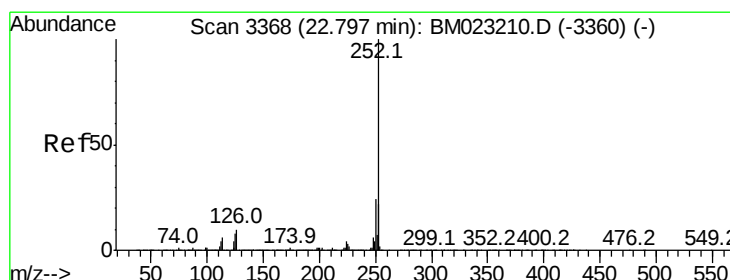
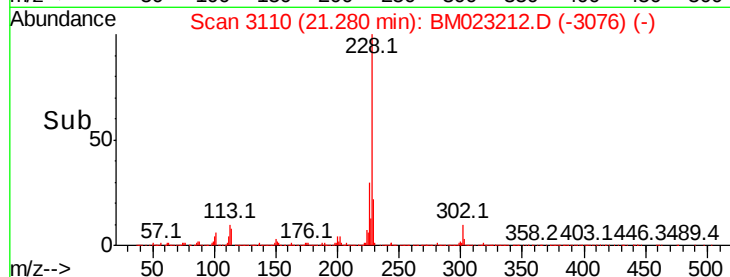
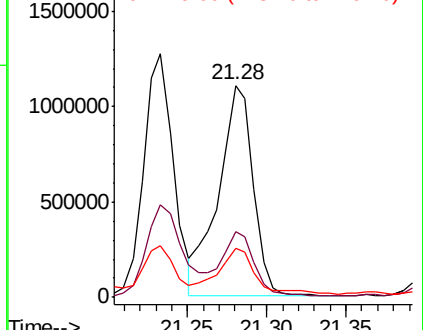
Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.8	35.6
229	23.1	15.5	23.3



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: 18.219 ng/ul

RT: 22.80 min Scan# 3369

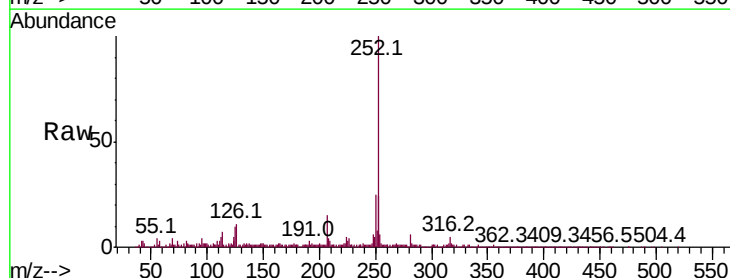
Delta R.T. 0.01 min

Lab File: BM023212.D

Acq: 17 Oct 2019 09:14

Tgt Ion:252 Resp: 2485483

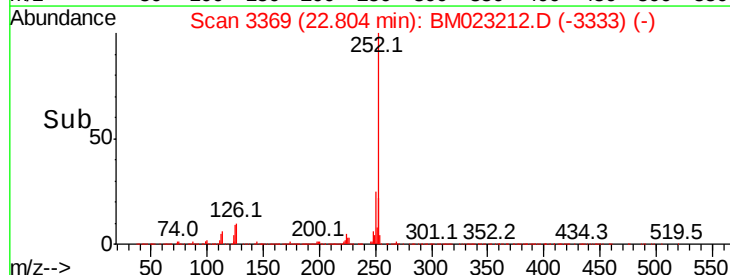
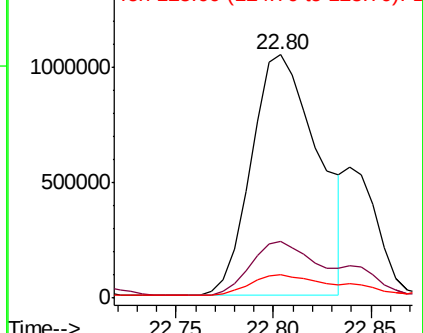
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	9.7	6.4	9.6#

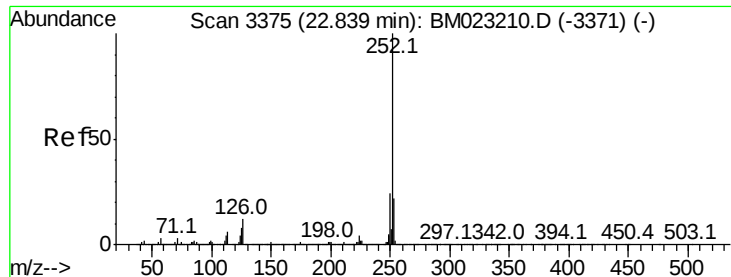


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 18.974 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. -0.03 min

Lab File: BM023212.D

Acq: 17 Oct 2019 09:14

Instrument :

BNA_M

ClientSampleId :

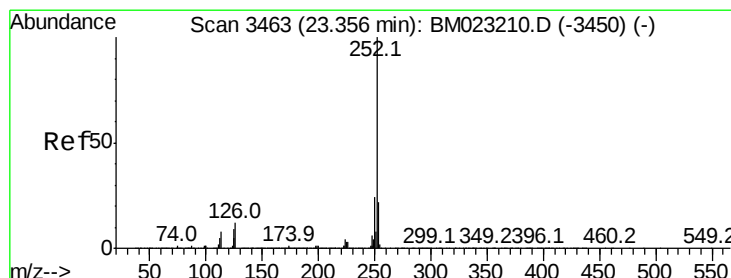
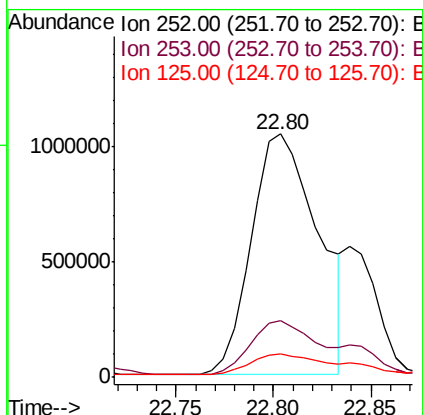
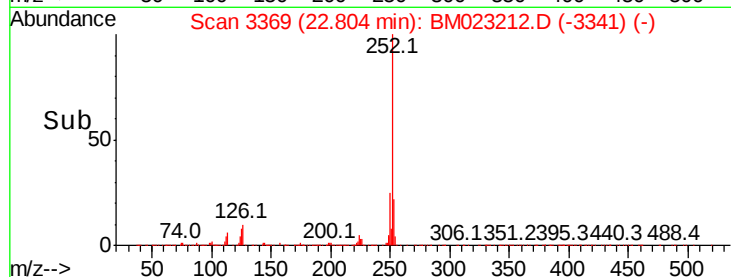
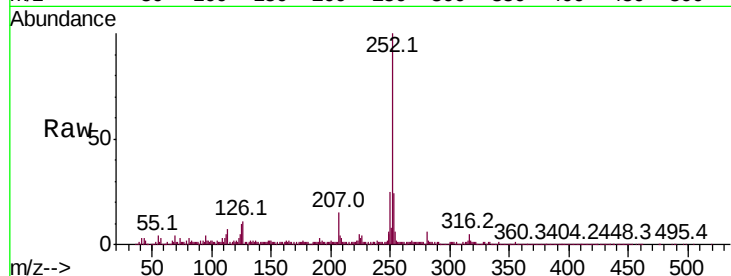
Tot Ion:252 Resp: 2485483

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

125 9.7 6.5 9.7



#91

Benzo(a)pyrene

Concen: 14.784 ng/ul

RT: 23.36 min Scan# 3464

Delta R.T. 0.01 min

Lab File: BM023212.D

Acq: 17 Oct 2019 09:14

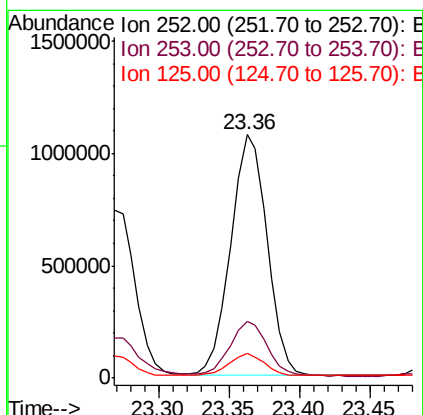
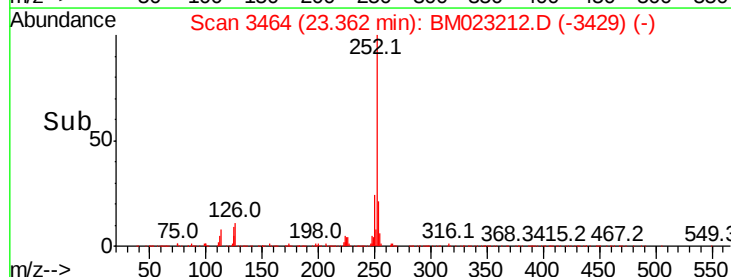
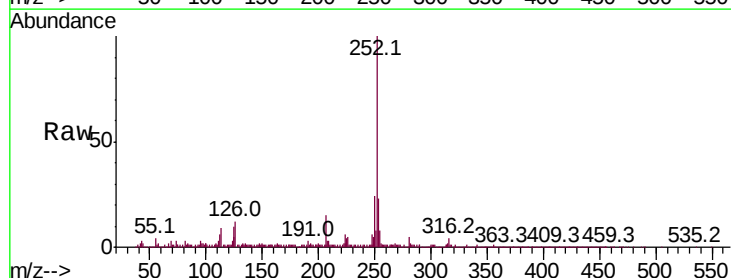
Tgt Ion:252 Resp: 1935021

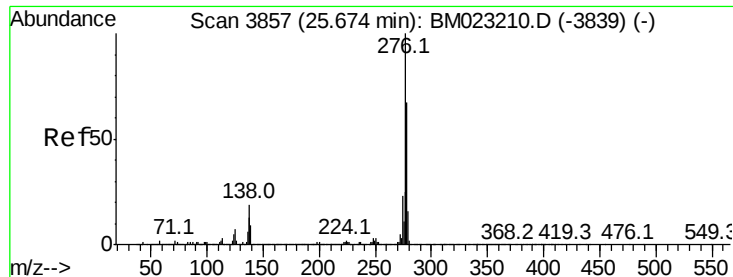
Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

125 10.0 7.4 11.0



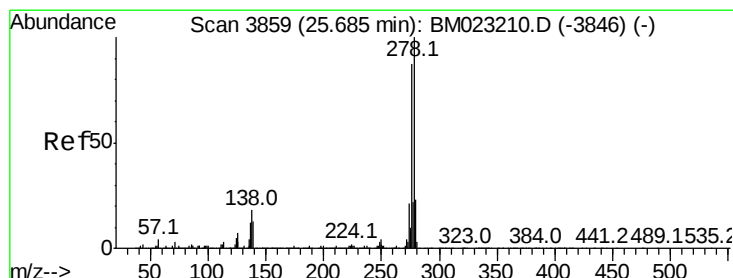
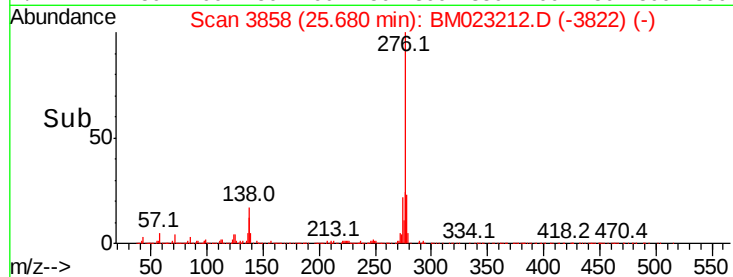
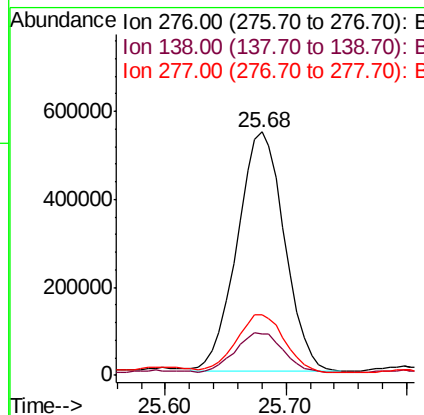
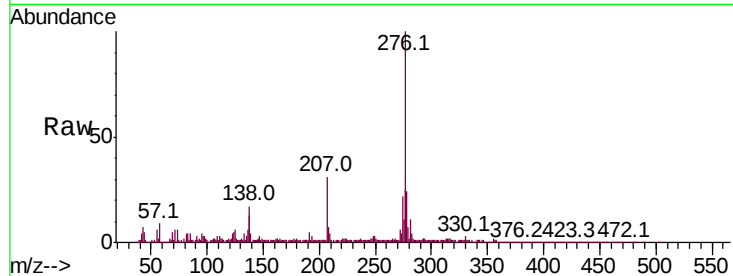


#92

Indeno(1,2,3-cd)pyrene
Concen: 9.586 ng/ul
RT: 25.68 min Scan# 3858
Delta R.T. 0.01 min
Lab File: BM023212.D
Acq: 17 Oct 2019 09:14

Instrument :
BNA_M
ClientSampleId :

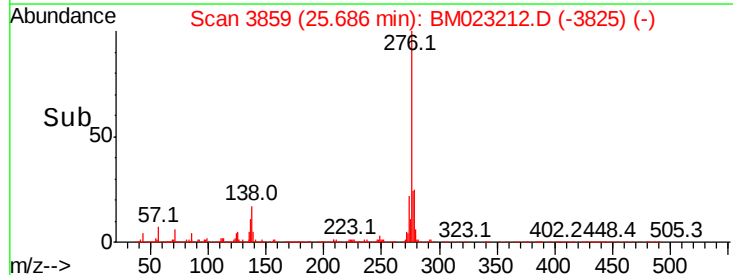
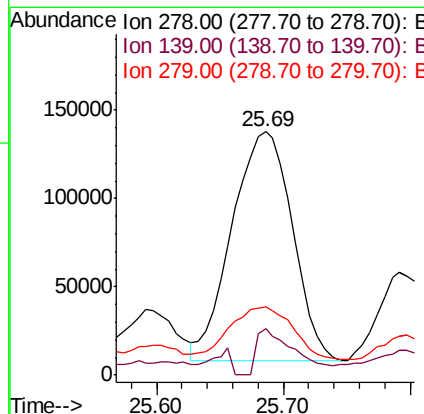
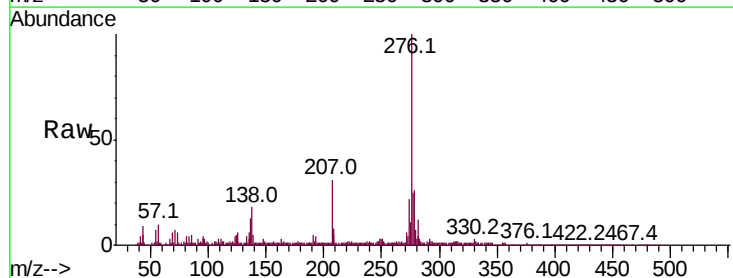
Tot Ion:276 Resp: 1492619
Ion Ratio Lower Upper
276 100
138 17.2 14.9 22.3
277 25.0 19.8 29.8

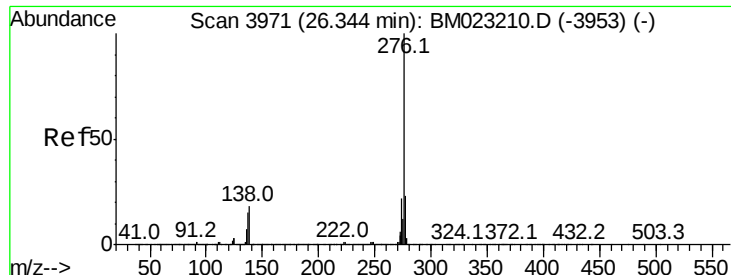


#93

Dibenzo(a,h)anthracene
Concen: 3.287 ng/ul
RT: 25.69 min Scan# 3859
Delta R.T. 0.00 min
Lab File: BM023212.D
Acq: 17 Oct 2019 09:14

Tgt Ion:278 Resp: 427918
Ion Ratio Lower Upper
278 100
139 19.3 10.0 15.0#
279 28.0 19.4 29.0





#94

Benzo(a,h,i)perylene

Concen: 10.761 ng/ul

RT: 26.36 min Scan# 3973

Delta R.T. 0.02 min

Lab File: BM023212.D

Acq: 17 Oct 2019 09:14

Instrument :

BNA_M

ClientSampleId :

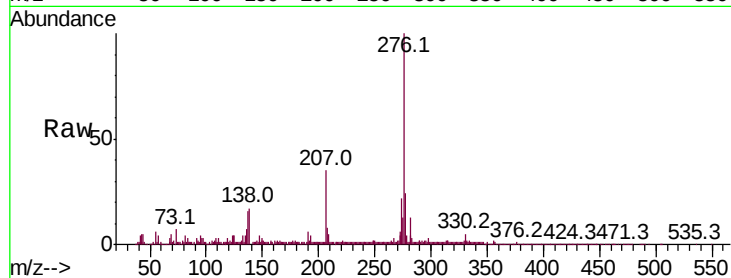
Tot Ion:276 Resp: 1379502

Ion Ratio Lower Upper

276 100

138 16.9 14.4 21.6

277 24.3 19.4 29.2



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

