

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
 Data File : BM023216.D
 Acq On : 17 Oct 2019 11:38
 Operator : JU
 Sample : K5262-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 17 12:36:21 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	383386	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1489805	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	870011	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	1654824	20.00	ng/ul	0.00
78) Chrysene-d12	21.25	240	1665808	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2095105	20.00	ng/ul	0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.18	96	44168	5.07	ng/uL	0.00
5) Phenol-d5	6.84	99	801479	24.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	495755	26.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	683544	26.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	588375	21.94	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	323489	32.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	348414	36.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	655885	26.87	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	529323	17.83	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	1916531	28.74	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	2293430	29.33	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	162646	15.07	ng/ul	0.00
58) Fluorene-d10	15.31	176	1634582	28.78	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.43	200	81681	12.45	ng/ul	0.01
71) Anthracene-d10	17.16	188	2434697	30.51	ng/ul	0.00
79) Pyrene-d10	19.45	212	2575298	31.92	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.33	264	3222757	30.35	ng/ul	0.01

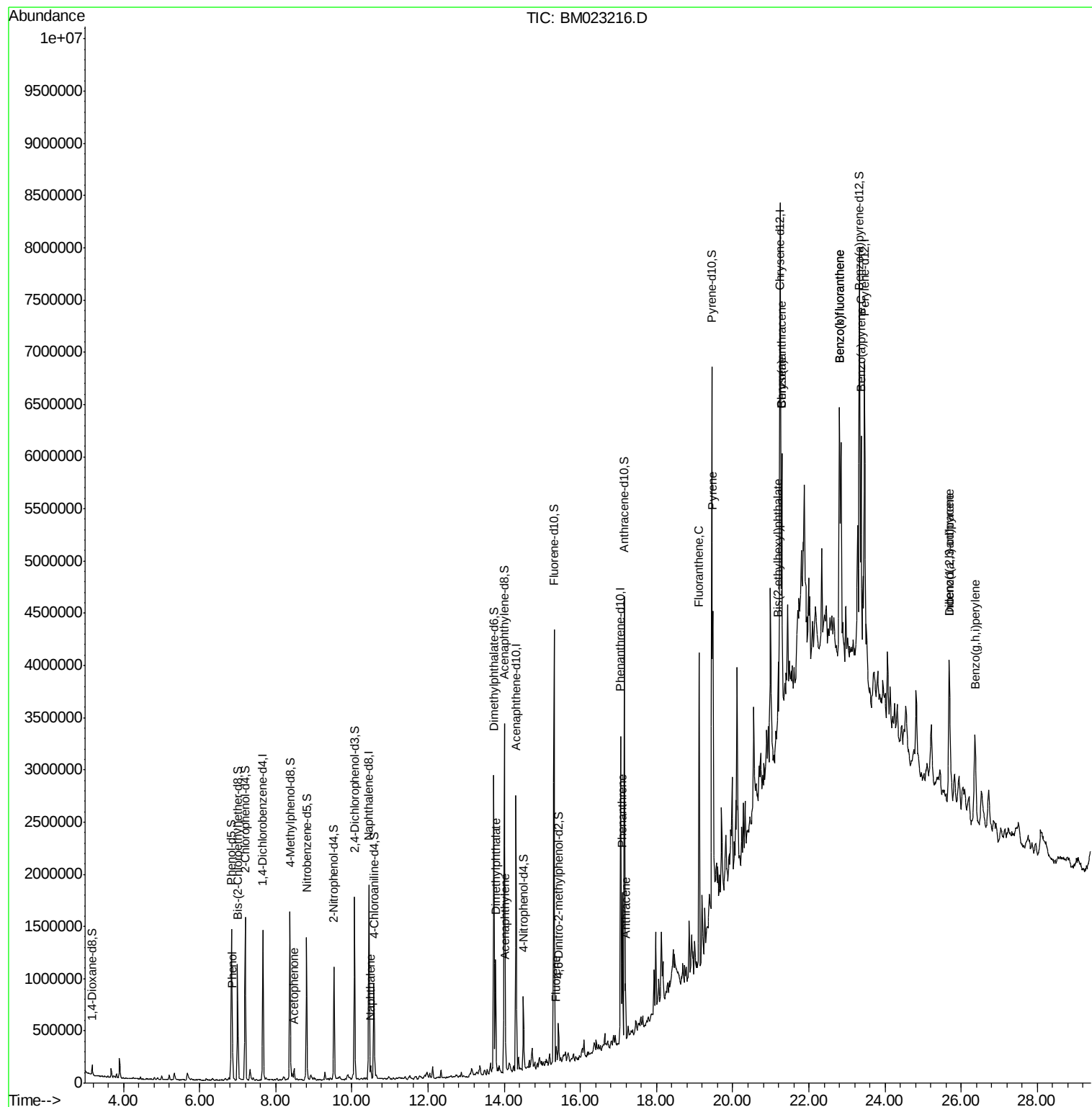
Target Compounds				Ovalue		
6) Phenol	6.86	94	153722	4.464	ng/ul	96
14) Acetophenone	8.48	105	54025	1.292	ng/ul	97
28) Naphthalene	10.49	128	106100	1.378	ng/ul	99
45) Dimethylphthalate	13.77	163	669390	10.031	ng/ul	99
48) Acenaphthylene	14.03	152	321269	4.018	ng/ul	98
59) Fluorene	15.36	166	75284	1.161	ng/ul#	93
70) Phenanthrene	17.10	178	876806	9.441	ng/ul	99
72) Anthracene	17.19	178	327426	3.412	ng/ul	98
77) Fluoranthene	19.12	202	1802089	16.316	ng/ul	100
80) Pyrene	19.48	202	1947606	18.663	ng/ul	100
83) Benzo(a)anthracene	21.29	228	1431876	12.686	ng/ul	94
84) Bis(2-ethylhexyl)phthalate	21.20	149	257818	4.467	ng/ul#	99
85) Chrysene	21.29	228	1431876	13.662	ng/ul	97
88) Benzo(b)fluoranthene	22.80	252	1948050	15.336	ng/ul#	97
89) Benzo(k)fluoranthene	22.80	252	1948050	15.971	ng/ul#	97
91) Benzo(a)pyrene	23.37	252	1634926	13.415	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.69	276	1161353	8.010	ng/ul	97
93) Dibenzo(a,h)anthracene	25.69	278	338309	2.791	ng/ul#	86
94) Benzo(g,h,i)perylene	26.36	276	1022552	8.566	ng/ul	99

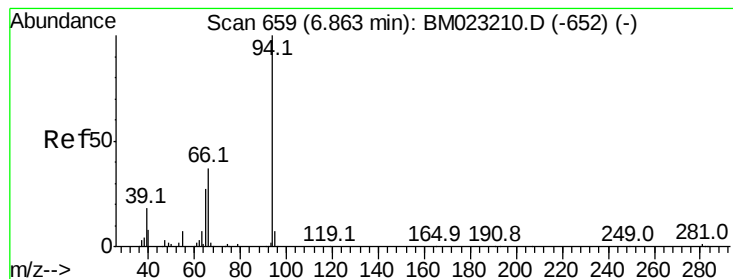
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 4.464 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.01 min

Lab File: BM023216.D

Acq: 17 Oct 2019 11:38

Instrument :

BNA_M

ClientSampleId :

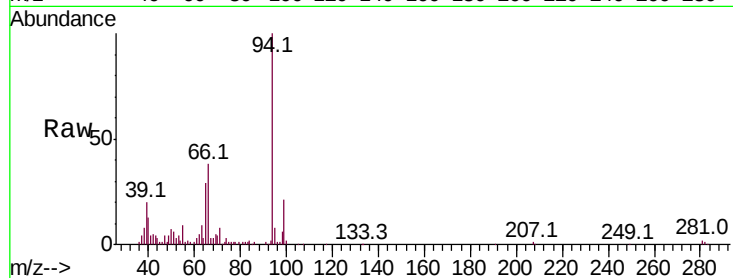
Tot Ion: 94 Resp: 153722

Ion Ratio Lower Upper

94 100

65 28.5 23.7 35.5

66 38.1 32.9 49.3



Abundance Ion 94.00 (93.70 to 94.70): BM023216.D (-652) (-)

Ion 65.00 (64.70 to 65.70): BM023216.D (-652) (-)

Ion 66.00 (65.70 to 66.70): BM023216.D (-652) (-)

6.86

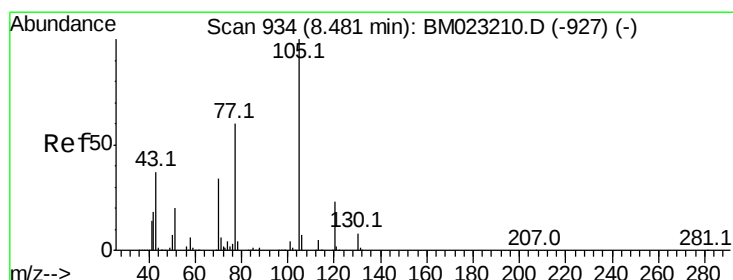
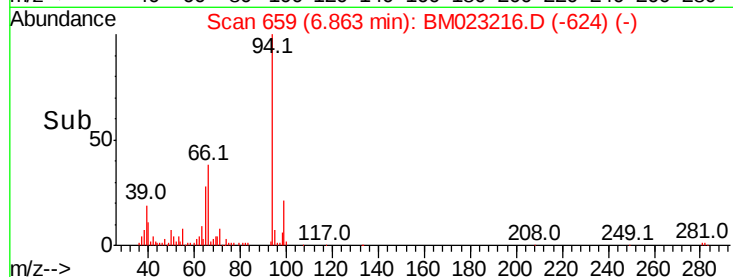
100000

50000

0

6.80 6.85 6.90

Time-->



#14

Acetophenone

Concen: 1.292 ng/ul

RT: 8.48 min Scan# 934

Delta R.T. 0.01 min

Lab File: BM023216.D

Acq: 17 Oct 2019 11:38

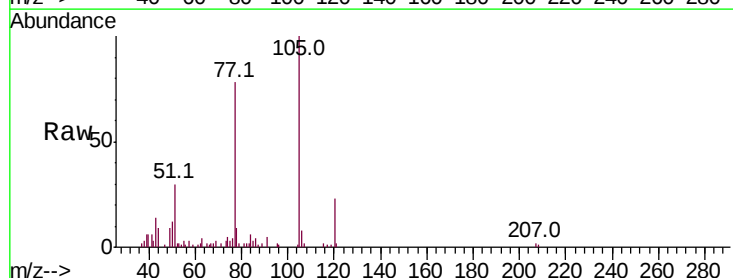
Tgt Ion: 105 Resp: 54025

Ion Ratio Lower Upper

105 100

77 78.1 63.9 95.9

51 29.7 21.6 32.4



Abundance Ion 105.00 (104.70 to 105.70): BM023216.D (-899) (-)

Ion 77.00 (76.70 to 77.70): BM023216.D (-899) (-)

Ion 51.00 (50.70 to 51.70): BM023216.D (-899) (-)

8.48

40000

30000

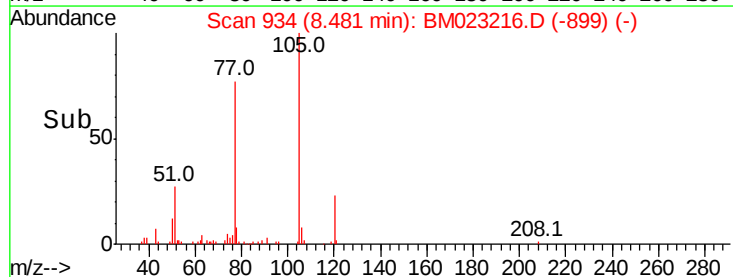
20000

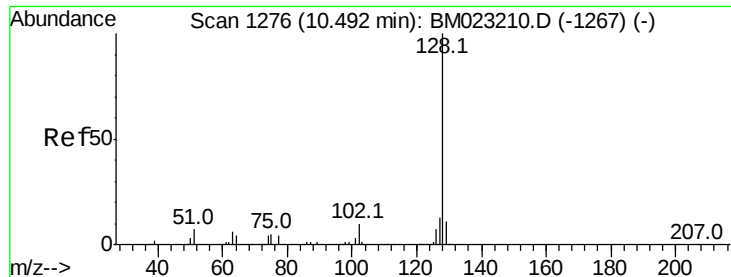
10000

0

8.45 8.50

Time-->





#28

Naphthalene

Concen: 1.378 ng/ul

RT: 10.49 min Scan# 1276

Delta R.T. 0.00 min

Lab File: BM023216.D

Acq: 17 Oct 2019 11:38

Instrument :

BNA_M

ClientSampleId :

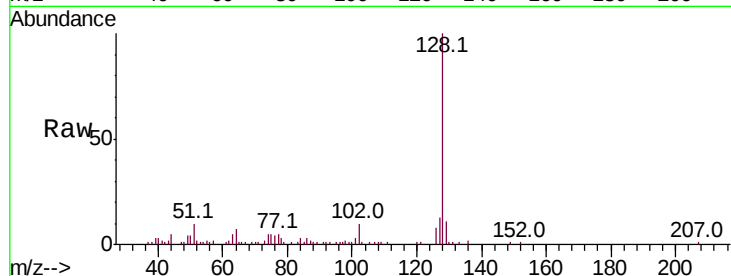
Tot Ion:128 Resp: 106100

Ion Ratio Lower Upper

128 100

129 11.0 8.3 12.5

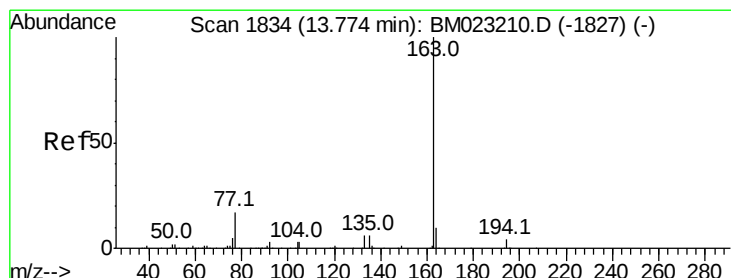
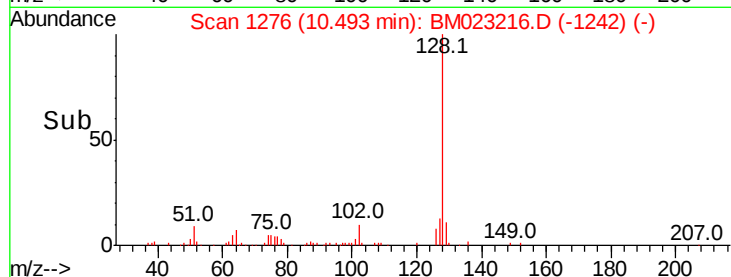
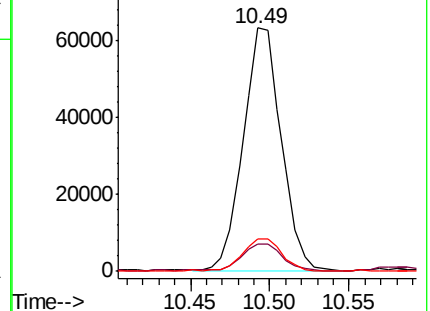
127 13.3 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#45

Dimethylphthalate

Concen: 10.031 ng/ul

RT: 13.77 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BM023216.D

Acq: 17 Oct 2019 11:38

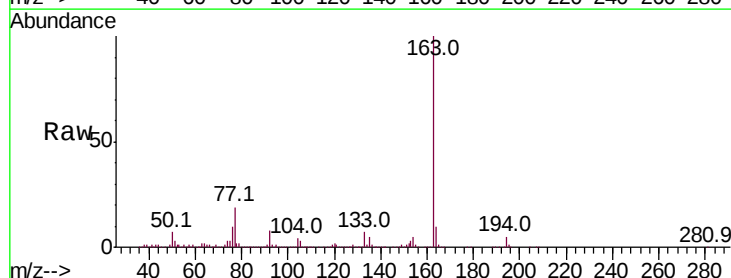
Tgt Ion:163 Resp: 669390

Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

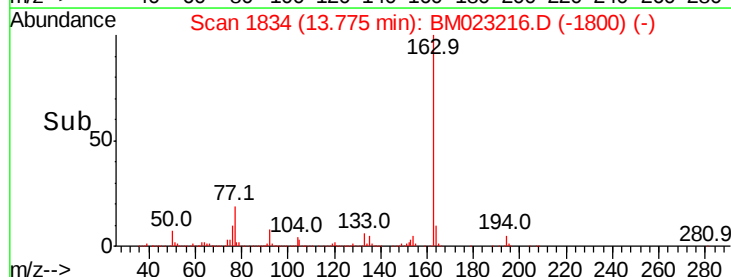
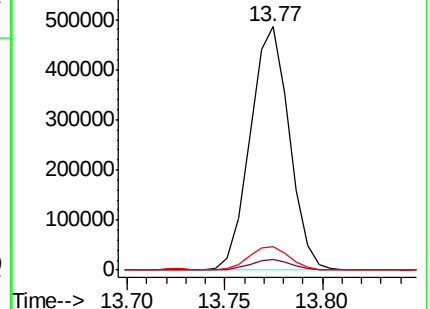
164 9.7 8.0 12.0

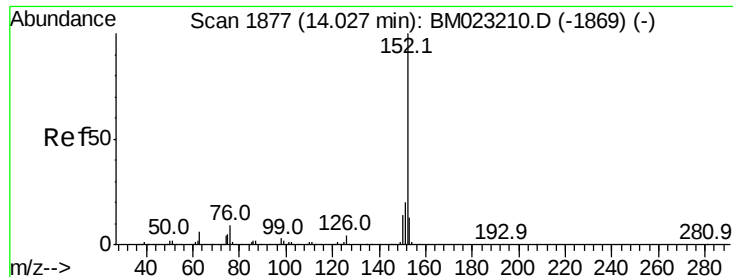


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 4.018 ng/ul

RT: 14.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM023216.D

Acq: 17 Oct 2019 11:38

Instrument :

BNA_M

ClientSampled :

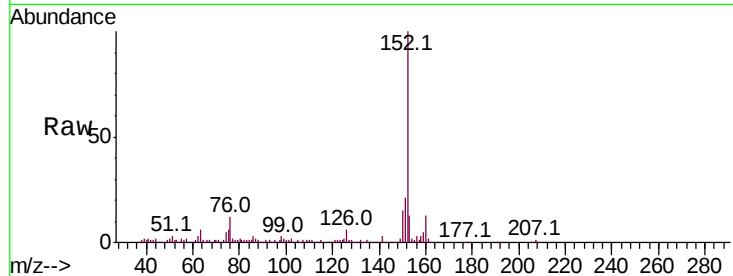
Tot Ion:152 Resp: 321269

Ion Ratio Lower Upper

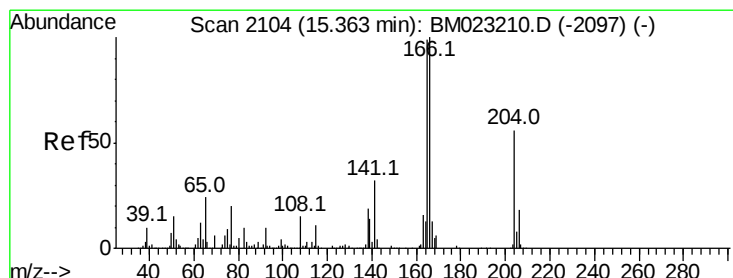
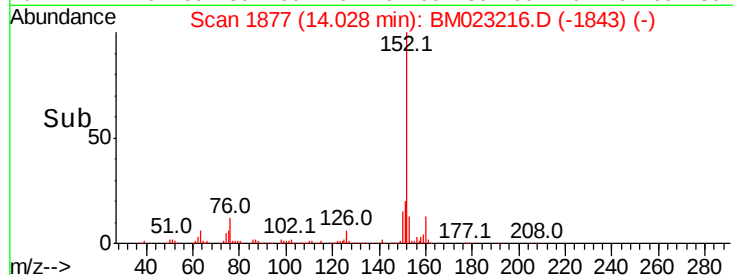
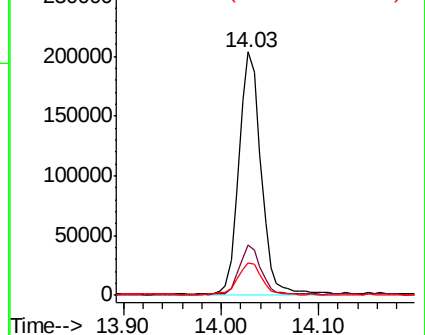
152 100

151 20.6 15.8 23.6

153 13.4 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



#59

Fluorene

Concen: 1.161 ng/ul

RT: 15.36 min Scan# 2104

Delta R.T. 0.01 min

Lab File: BM023216.D

Acq: 17 Oct 2019 11:38

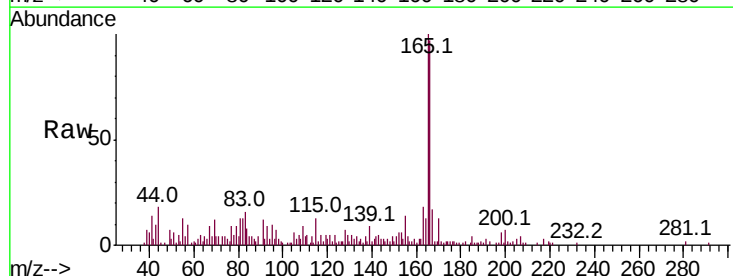
Tgt Ion:166 Resp: 75284

Ion Ratio Lower Upper

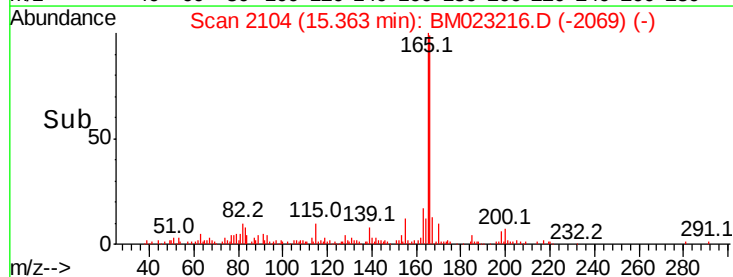
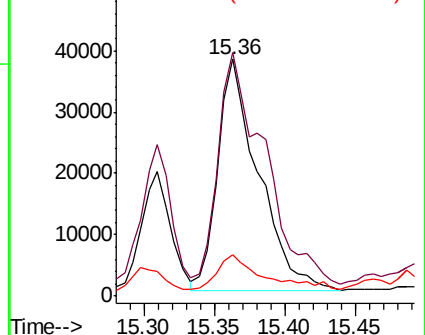
166 100

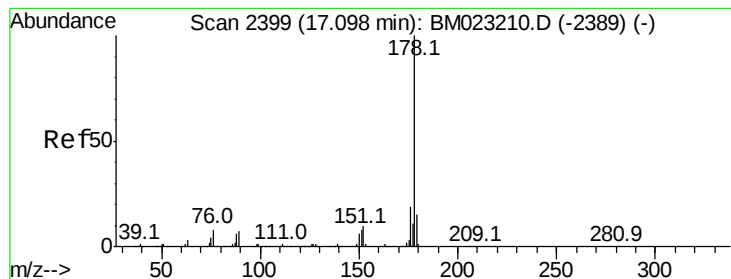
165 102.8 77.4 116.0

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: 9.441 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. 0.01 min

Lab File: BM023216.D

Acq: 17 Oct 2019 11:38

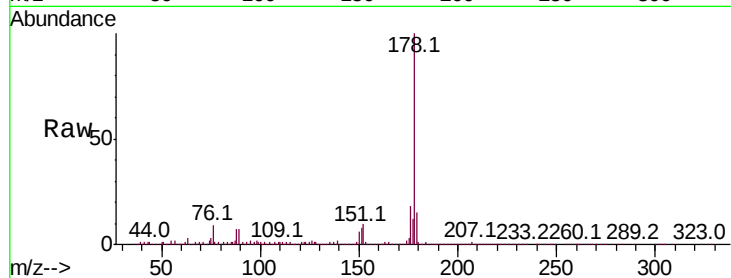
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 876806

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	18.3	15.5	23.3

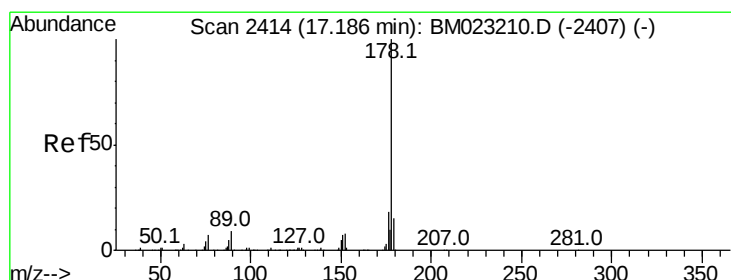
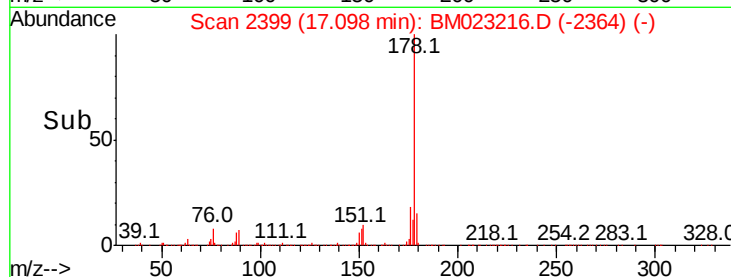
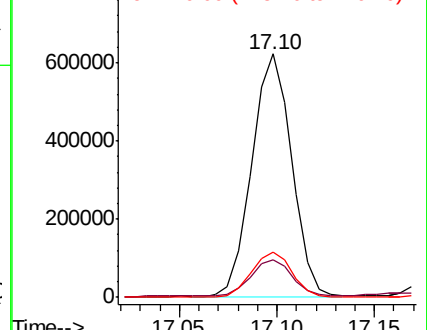


Abundance

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: 3.412 ng/ul

RT: 17.19 min Scan# 2414

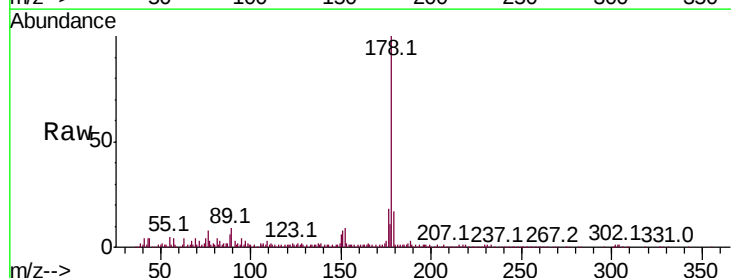
Delta R.T. 0.00 min

Lab File: BM023216.D

Acq: 17 Oct 2019 11:38

Tgt Ion:178 Resp: 327426

Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.3	18.5
176	18.2	15.0	22.4

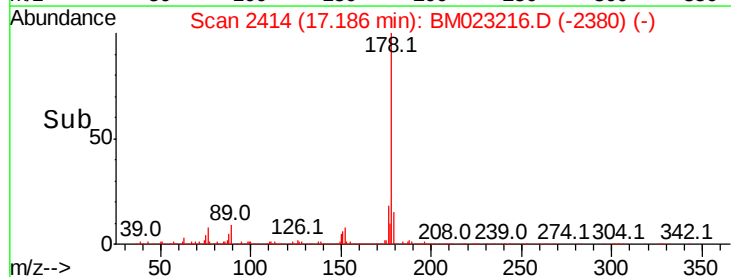
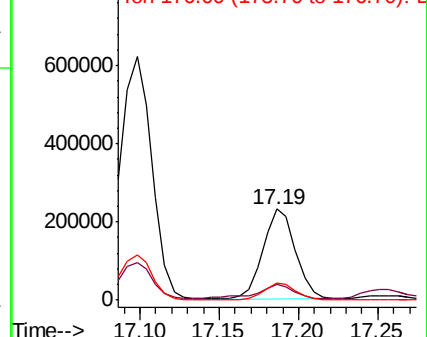


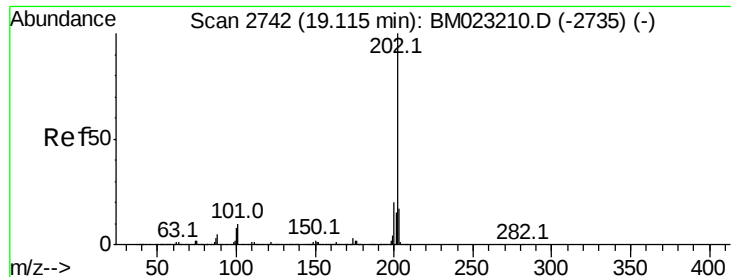
Abundance

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

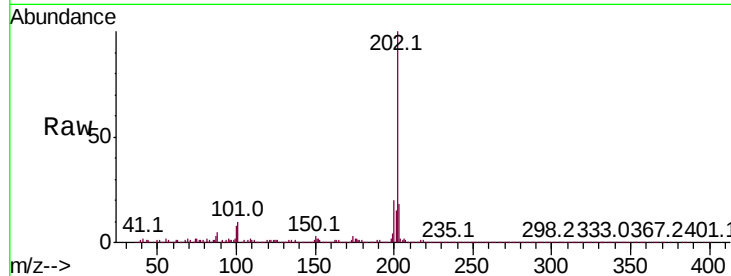




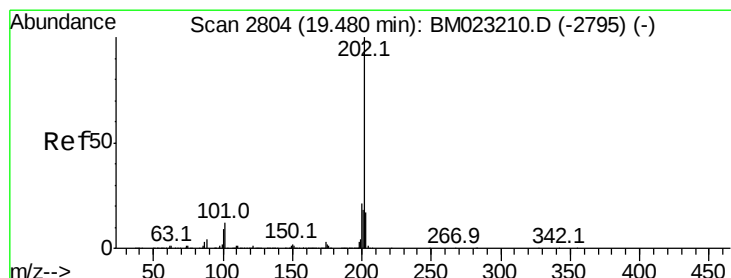
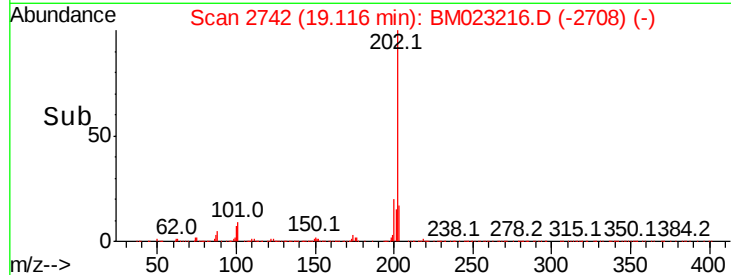
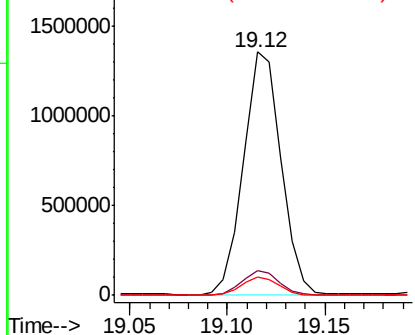
#77
 Fluoranthene
 Concen: 16.316 ng/ul
 RT: 19.12 min Scan# 2742
 Delta R.T. 0.00 min
 Lab File: BM023216.D
 Acq: 17 Oct 2019 11:38

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp: 1802089
 Ion Ratio Lower Upper
 202 100
 101 10.0 7.8 11.8
 100 7.5 6.1 9.1

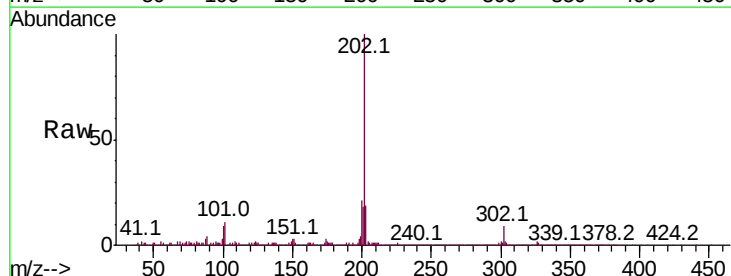


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

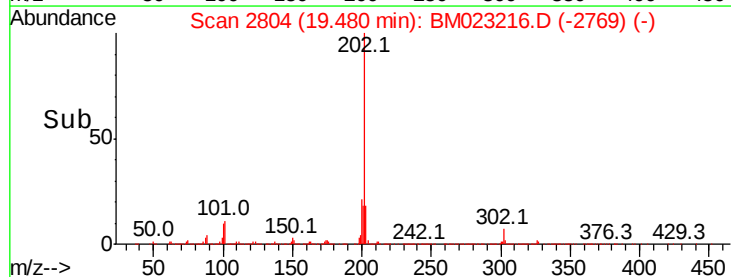
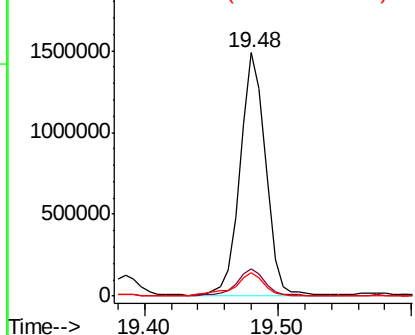


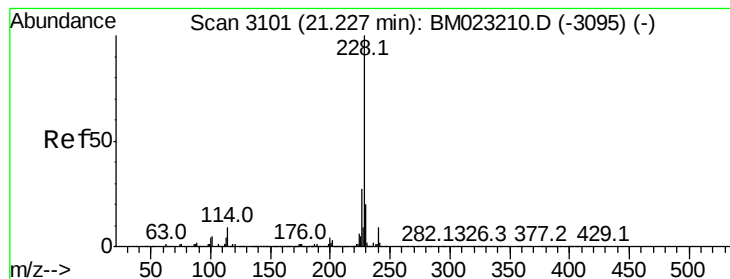
#80
 Pyrene
 Concen: 18.663 ng/ul
 RT: 19.48 min Scan# 2804
 Delta R.T. 0.01 min
 Lab File: BM023216.D
 Acq: 17 Oct 2019 11:38

Tgt Ion:202 Resp: 1947606
 Ion Ratio Lower Upper
 202 100
 101 11.2 9.1 13.7
 100 9.4 7.5 11.3



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





#83

Benzo(a)anthracene

Concen: 12.686 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. 0.06 min

Lab File: BM023216.D

Acq: 17 Oct 2019 11:38

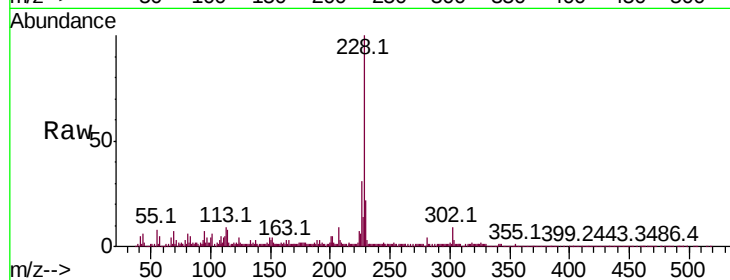
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1431876

Ion	Ratio	Lower	Upper
228	100		
229	22.3	15.7	23.5
226	30.5	21.6	32.4

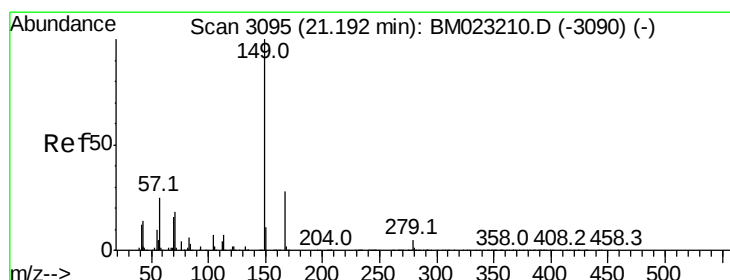
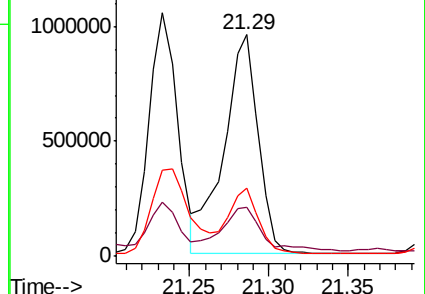
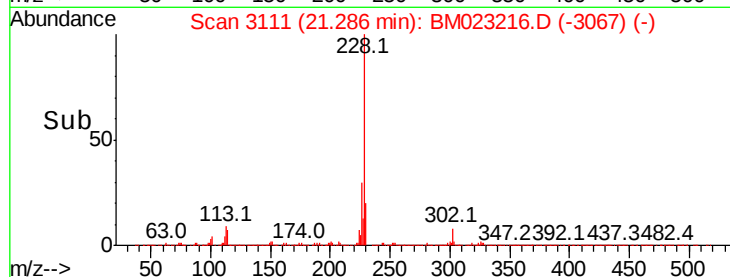


Abundance

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: 4.467 ng/ul

RT: 21.20 min Scan# 3096

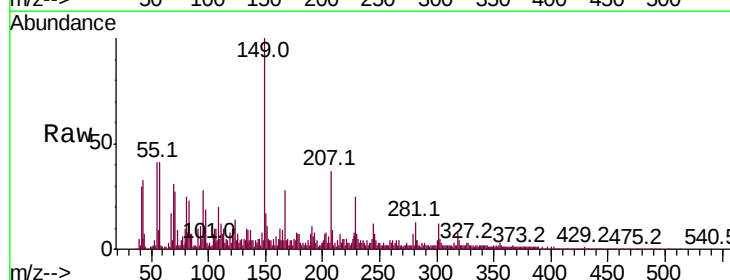
Delta R.T. 0.01 min

Lab File: BM023216.D

Acq: 17 Oct 2019 11:38

Tgt Ion:149 Resp: 257818

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.5	33.7
279	7.2	4.0	6.0

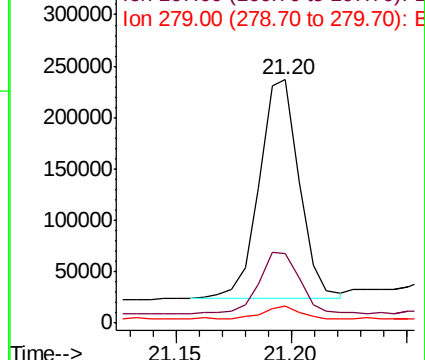
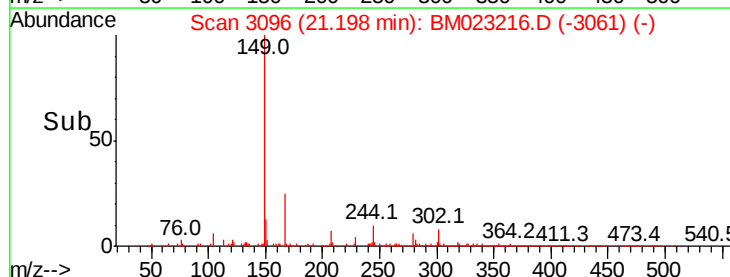


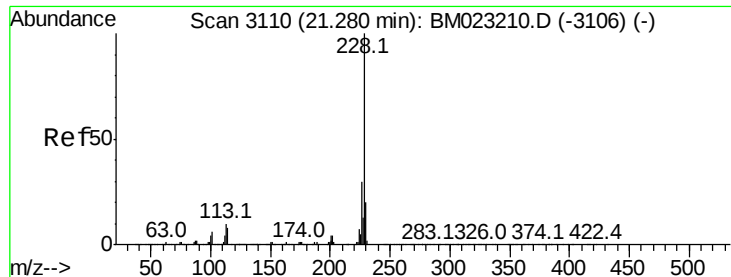
Abundance

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: 13.662 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. 0.01 min

Lab File: BM023216.D

Acq: 17 Oct 2019 11:38

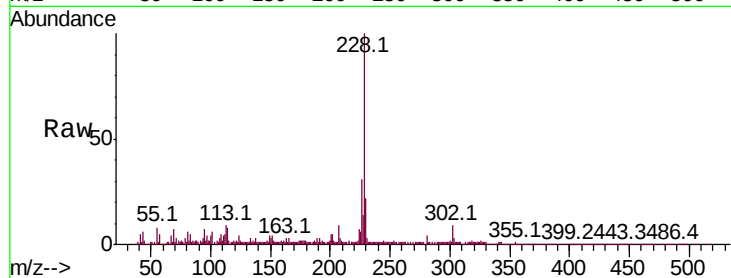
Instrument :

BNA_M

ClientSampled :

Tot Ion:228 Resp: 1431876

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.8	35.6
229	22.3	15.5	23.3

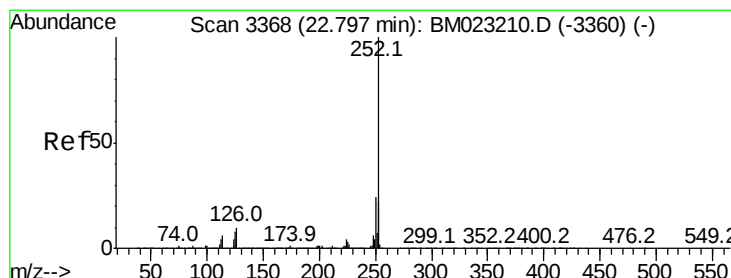
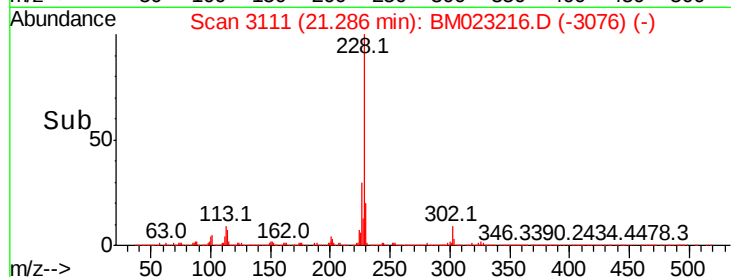
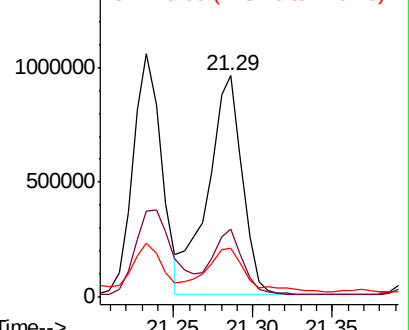


Abundance

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: 15.336 ng/ul

RT: 22.80 min Scan# 3369

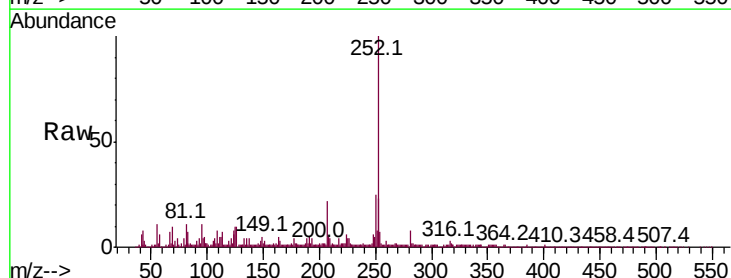
Delta R.T. 0.01 min

Lab File: BM023216.D

Acq: 17 Oct 2019 11:38

Tgt Ion:252 Resp: 1948050

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	9.8	6.4	9.6

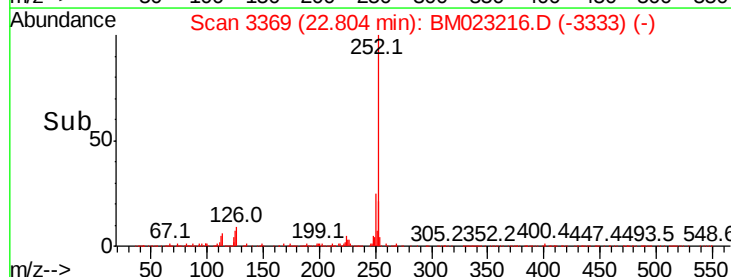
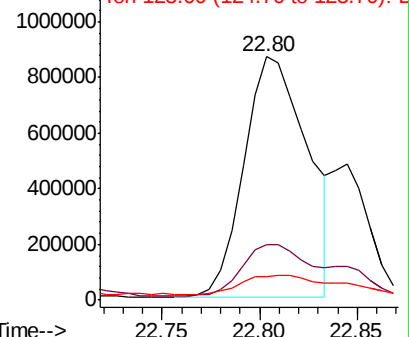


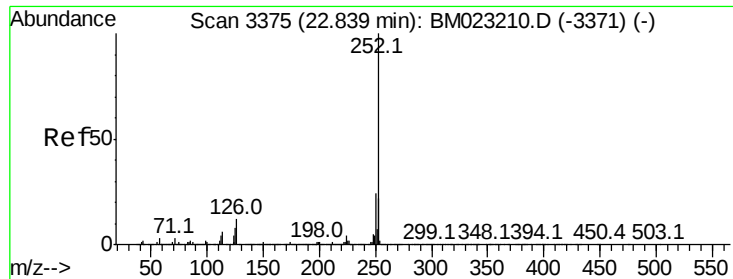
Abundance

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: 15.971 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. -0.04 min

Lab File: BM023216.D

Acq: 17 Oct 2019 11:38

Instrument :

BNA_M

ClientSampled :

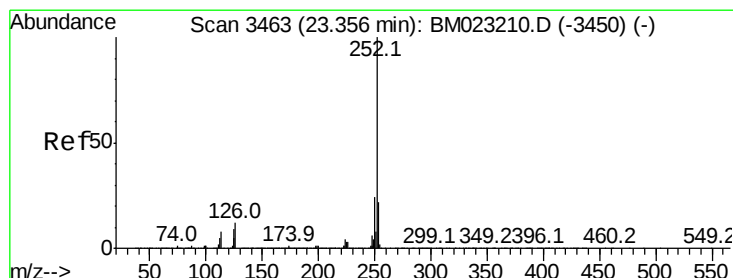
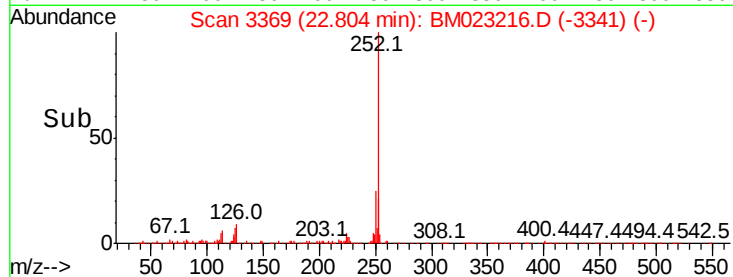
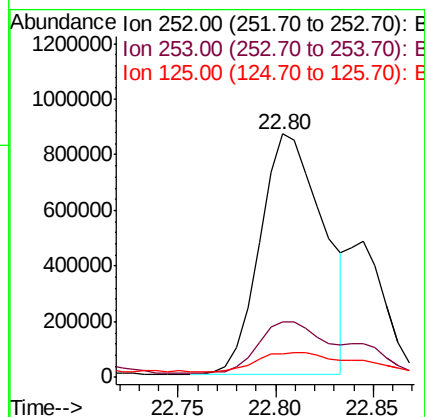
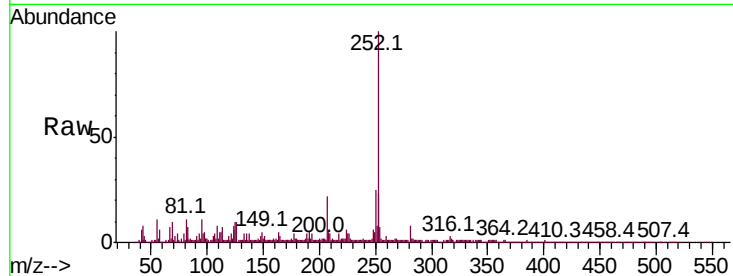
Tot Ion:252 Resp: 1948050

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 9.8 6.5 9.7#



#91

Benzo(a)pyrene

Concen: 13.415 ng/ul

RT: 23.37 min Scan# 3465

Delta R.T. 0.01 min

Lab File: BM023216.D

Acq: 17 Oct 2019 11:38

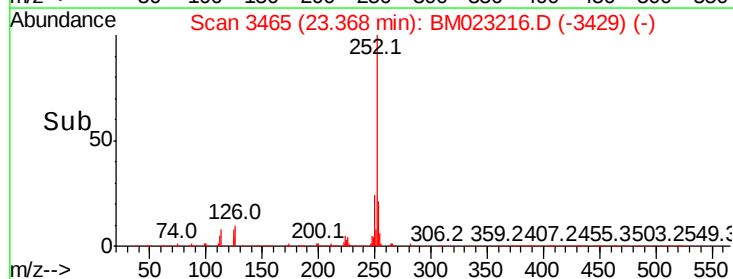
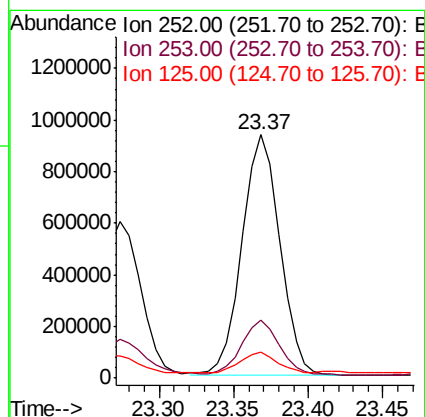
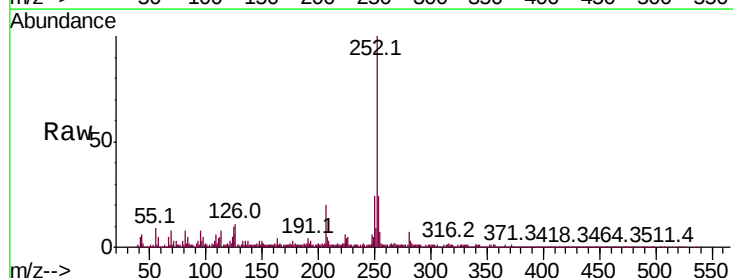
Tgt Ion:252 Resp: 1634926

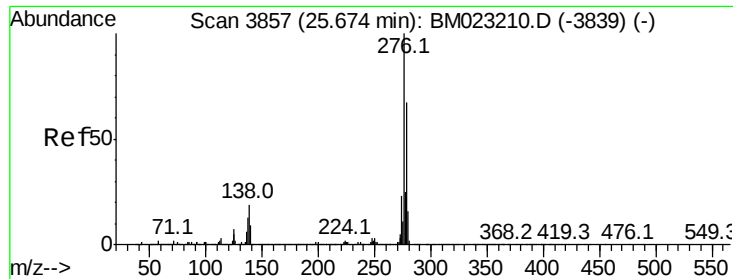
Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

125 10.5 7.4 11.0



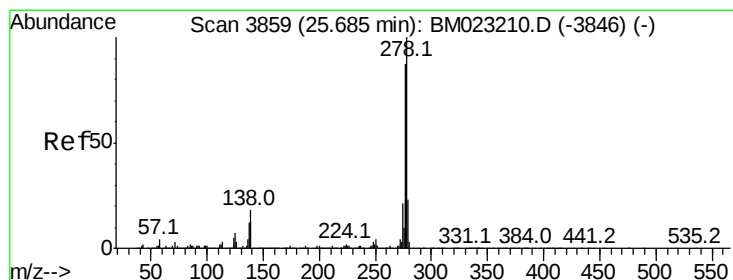
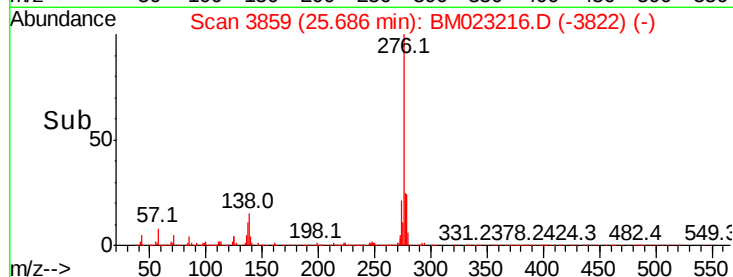
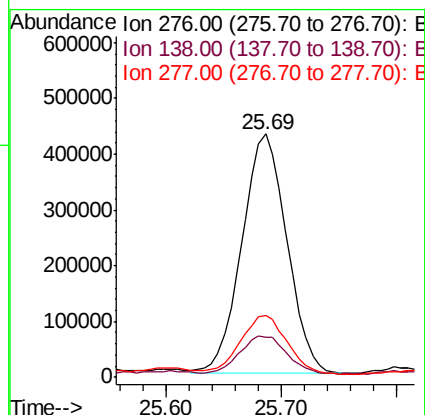
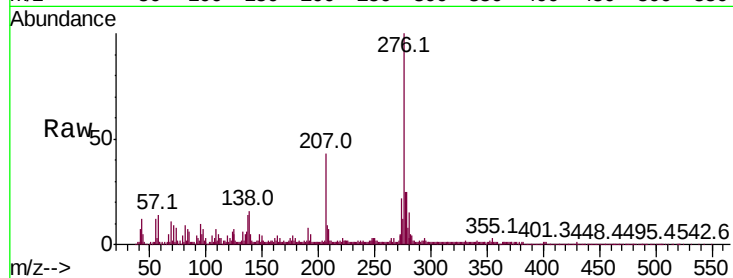


#92

Indeno(1,2,3-cd)pyrene
Concen: 8.010 ng/ul
RT: 25.69 min Scan# 3859
Delta R.T. 0.02 min
Lab File: BM023216.D
Acq: 17 Oct 2019 11:38

Instrument :
BNA_M
ClientSampleId :

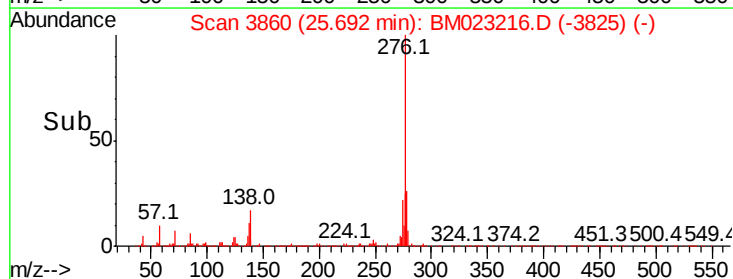
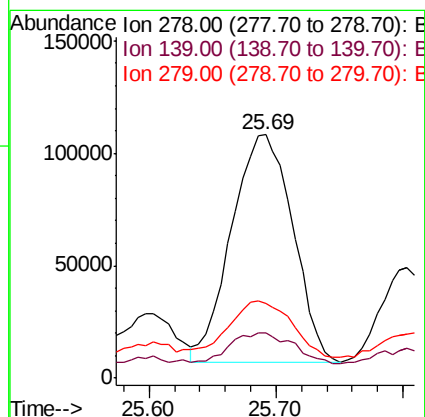
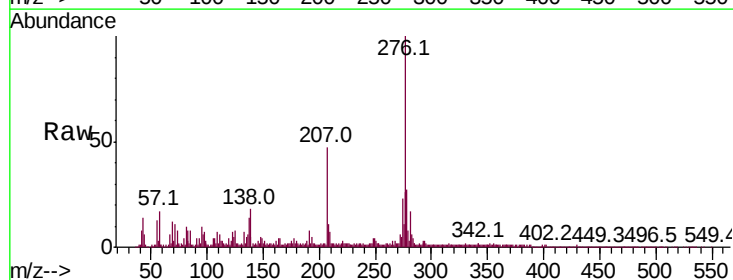
Tot Ion:276 Resp: 1161353
Ion Ratio Lower Upper
276 100
138 16.4 14.9 22.3
277 25.4 19.8 29.8

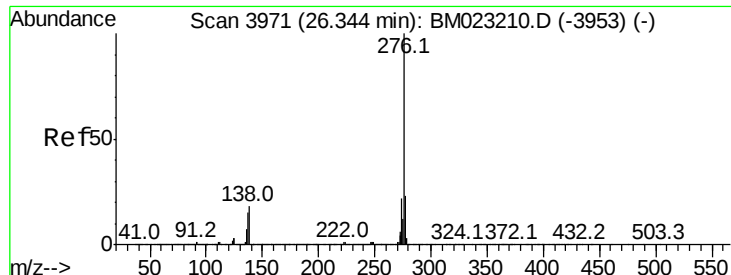


#93

Dibenzo(a,h)anthracene
Concen: 2.791 ng/ul
RT: 25.69 min Scan# 3860
Delta R.T. 0.01 min
Lab File: BM023216.D
Acq: 17 Oct 2019 11:38

Tgt Ion:278 Resp: 338309
Ion Ratio Lower Upper
278 100
139 18.5 10.0 15.0#
279 30.9 19.4 29.0#





#94

Benzo(a,h,i)perylene

Concen: 8.566 ng/ul

RT: 26.36 min Scan# 3974

Delta R.T. 0.02 min

Lab File: BM023216.D

Acq: 17 Oct 2019 11:38

Instrument :

BNA_M

ClientSampleId :

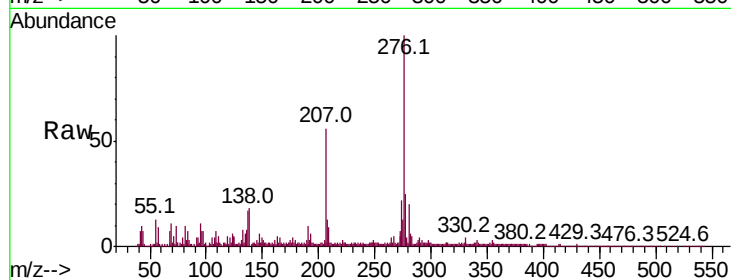
Tot Ion:276 Resp: 1022552

Ion Ratio Lower Upper

276 100

138 17.8 14.4 21.6

277 24.9 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

