

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102419\
 Data File : BM023389.D
 Acq On : 24 Oct 2019 21:04
 Operator : JU
 Sample : K5346-08DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 24 22:50:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 23 18:47:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	524671	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1954945	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	1139058	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	2215646	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	2186604	20.00	ng/ul	0.01
86) Perylene-d12	23.44	264	2761016	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	9422	0.85	ng/uL	0.02
5) Phenol-d5	6.83	99	161773	3.67	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.99	67	100627	3.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	144904	4.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	118317	3.31	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	66996	4.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	65959	4.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	133443	4.16	ng/ul	0.01
29) 4-Chloroaniline-d4	10.56	131	128338	3.48	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	439409	5.08	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	487729	4.92	ng/ul	0.00
52) 4-Nitrophenol-d4	14.51	143	29154	1.95	ng/ul	0.02
58) Fluorene-d10	15.29	176	379839	5.19	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.43	200	5164	0.37	ng/ul	0.02
71) Anthracene-d10	17.14	188	620157	5.92	ng/ul	0.00
79) Pyrene-d10	19.44	212	646004	5.37	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.30	264	810566	5.76	ng/ul	0.02

Target Compounds

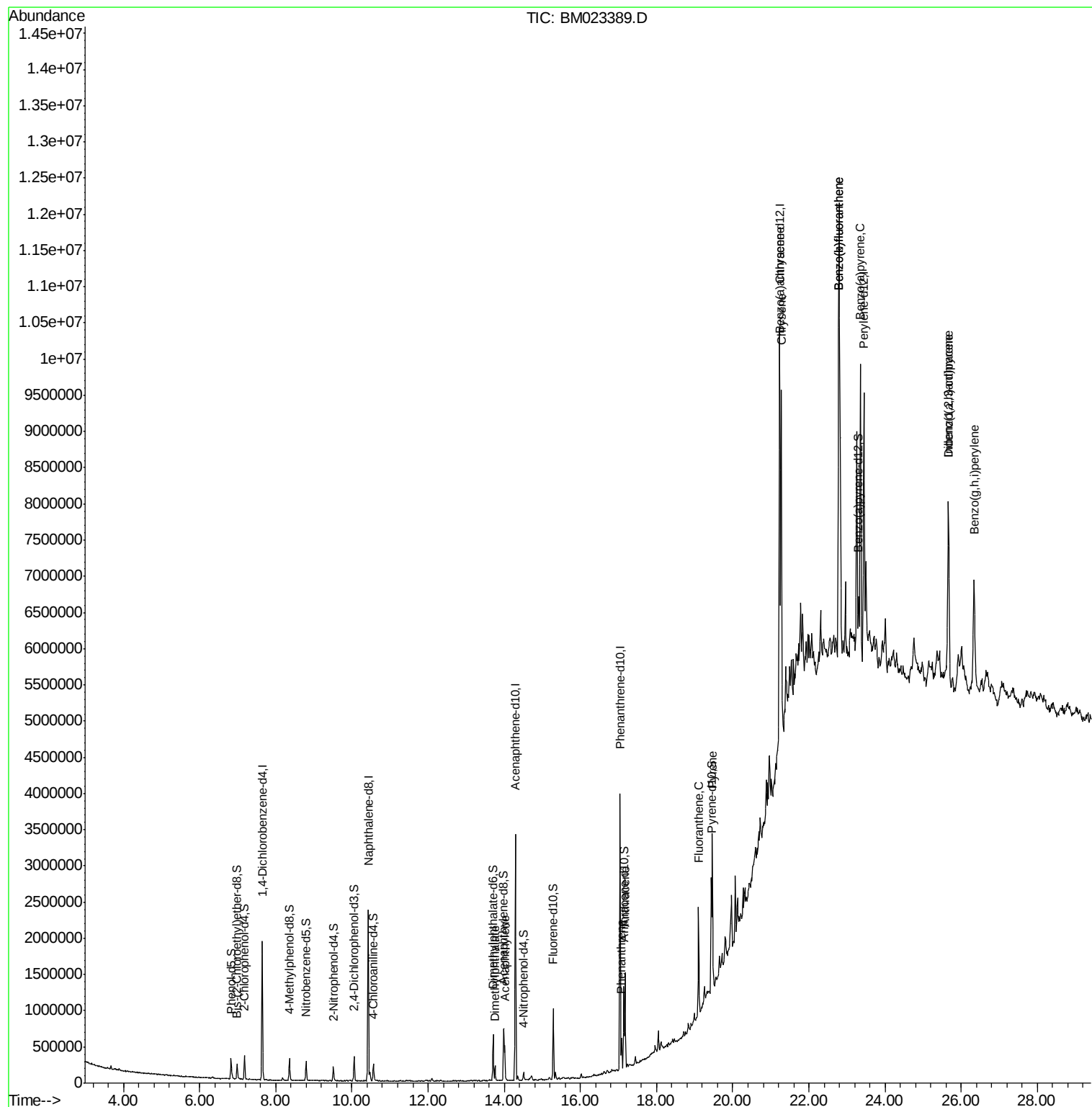
					Ovalue
45) Dimethylphthalate	13.76	163	125728	1.448	ng/ul 100
48) Acenaphthylene	14.01	152	368917	3.592	ng/ul 98
70) Phenanthrene	17.08	178	247454	1.998	ng/ul 99
72) Anthracene	17.17	178	823850	6.567	ng/ul 99
77) Fluoranthene	19.10	202	854422	6.616	ng/ul 99
80) Pyrene	19.47	202	1296000	8.393	ng/ul 98
83) Benzo(a)anthracene	21.22	228	1553245	10.621	ng/ul 95
85) Chrysene	21.27	228	2817235	20.879	ng/ul 99
88) Benzo(b)fluoranthene	22.79	252	5521878	31.139	ng/ul 98
89) Benzo(k)fluoranthene	22.79	252	5521878	33.162	ng/ul 99
91) Benzo(a)pyrene	23.35	252	3160310	19.686	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.66	276	2363390	13.596	ng/ul 96
93) Dibenzo(a,h)anthracene	25.66	278	634930	4.332	ng/ul# 85
94) Benzo(g,h,i)perylene	26.34	276	1744408	12.334	ng/ul 98

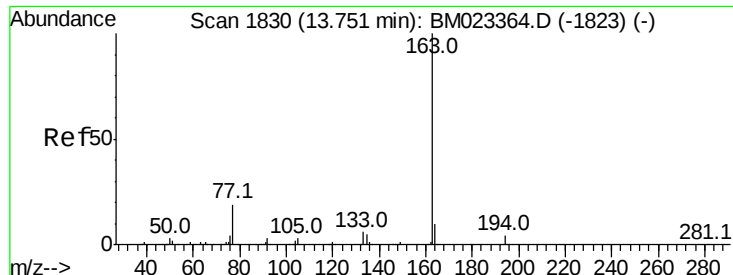
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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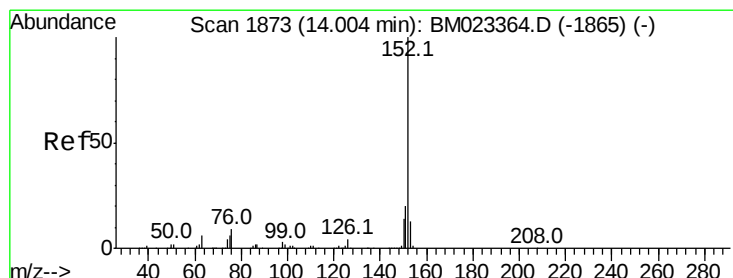
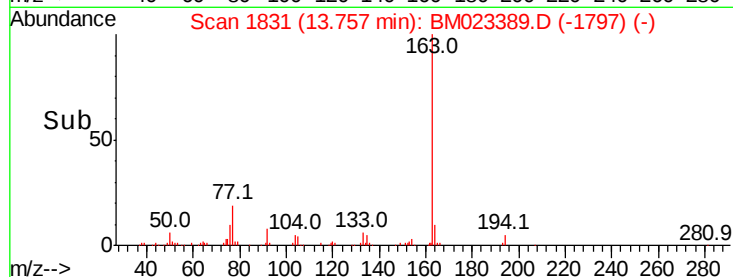
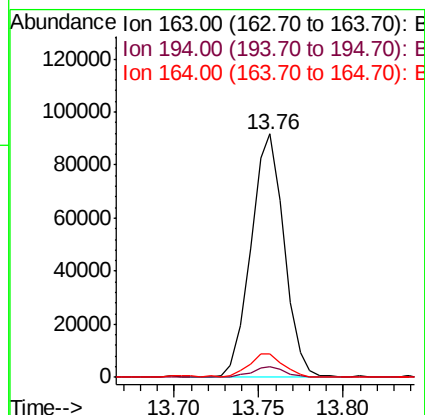
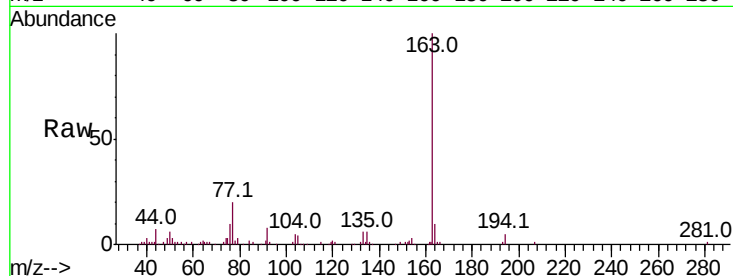




#45
Dimethylphthalate
Concen: 1.448 ng/ul
RT: 13.76 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BM023389.D
Acq: 24 Oct 2019 21:04

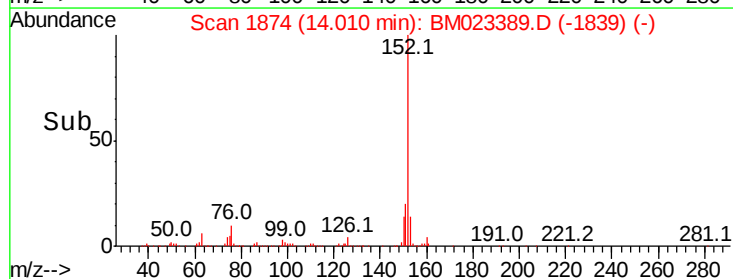
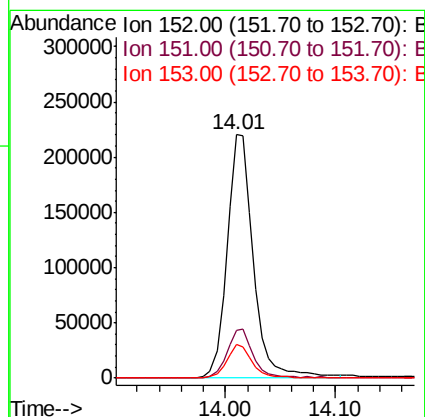
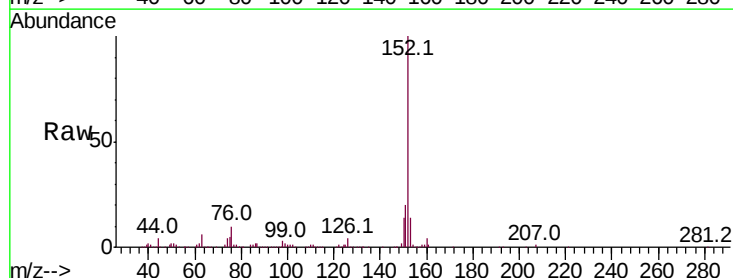
Instrument :
BNA_M
ClientSampleId :

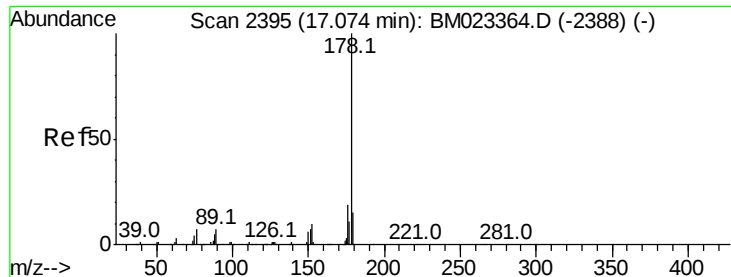
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.3	4.9
164	9.9	7.9	11.9



#48
Acenaphthylene
Concen: 3.592 ng/ul
RT: 14.01 min Scan# 1874
Delta R.T. 0.01 min
Lab File: BM023389.D
Acq: 24 Oct 2019 21:04

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.2
153	13.8	10.4	15.6





#70

Phenanthrene

Concen: 1.998 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. 0.01 min

Lab File: BM023389.D

Acq: 24 Oct 2019 21:04

Instrument :

BNA_M

ClientSampleId :

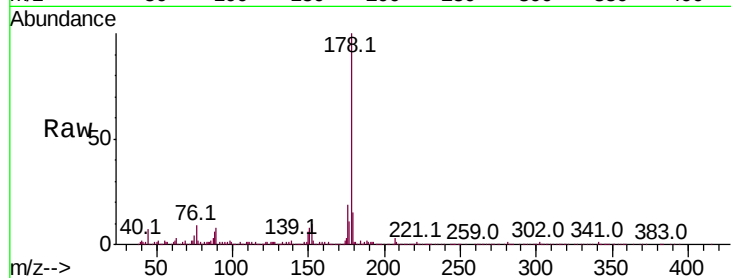
Tot Ion:178 Resp: 247454

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.2

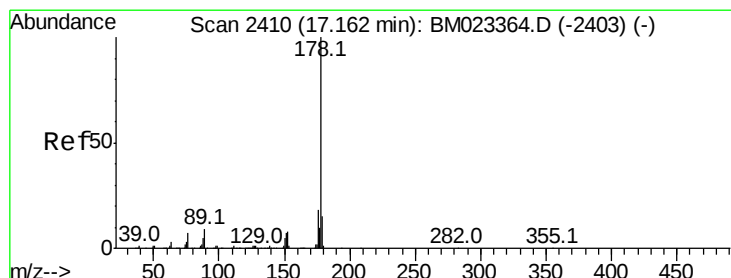
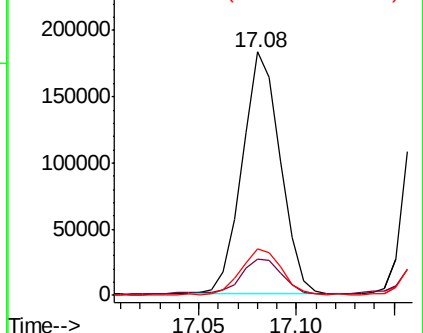
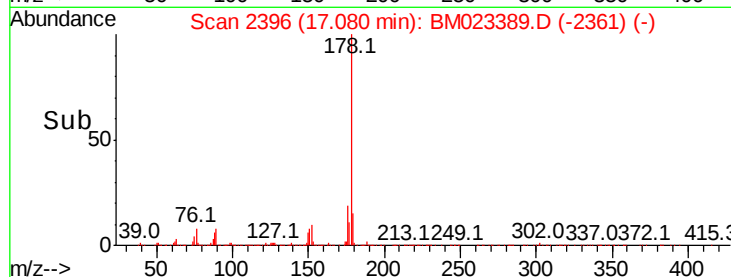
176 19.0 14.9 22.3



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: 6.567 ng/ul

RT: 17.17 min Scan# 2412

Delta R.T. 0.01 min

Lab File: BM023389.D

Acq: 24 Oct 2019 21:04

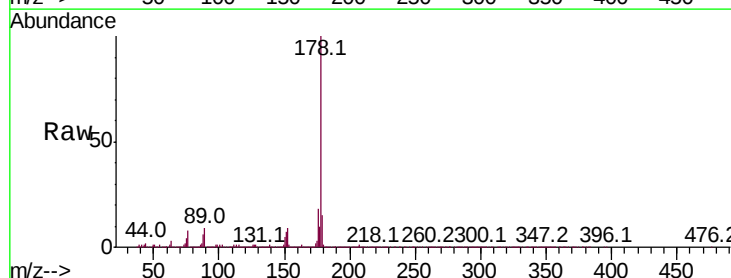
Tgt Ion:178 Resp: 823850

Ion Ratio Lower Upper

178 100

179 15.0 12.1 18.1

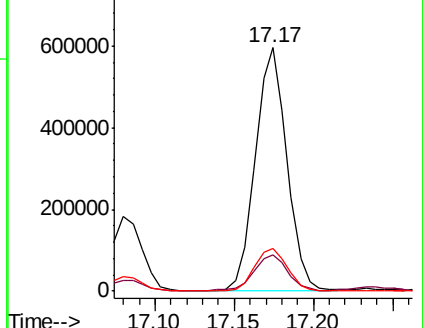
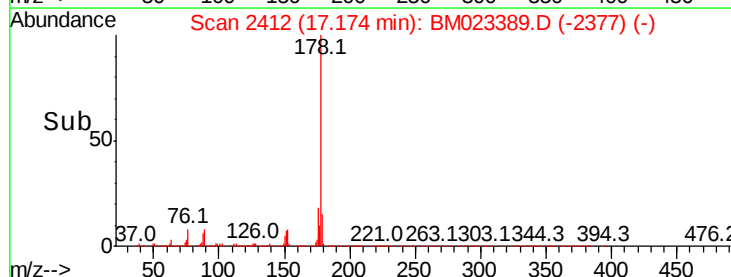
176 17.6 14.4 21.6

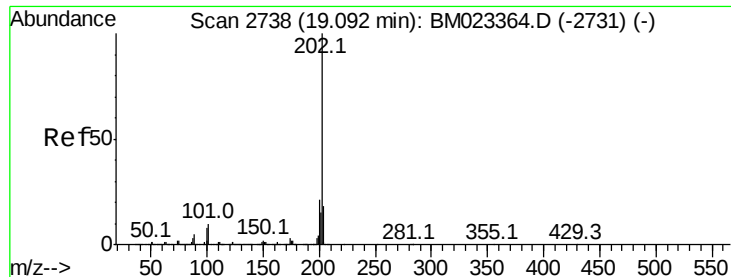


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

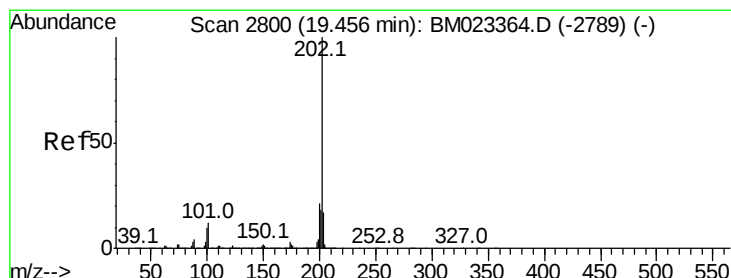
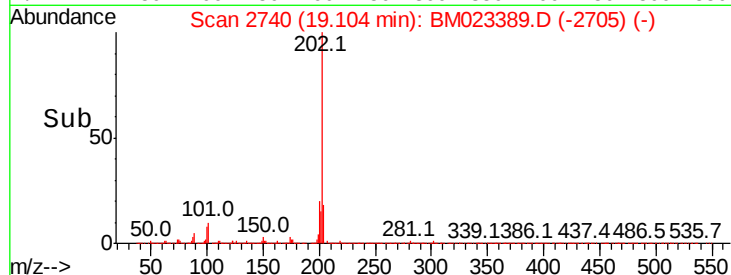
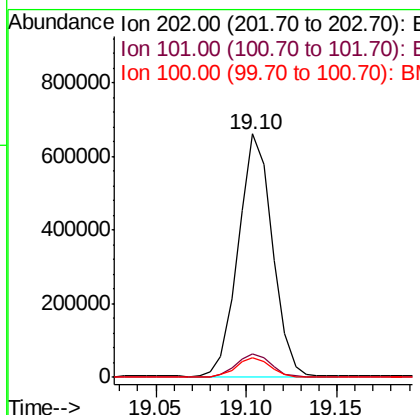
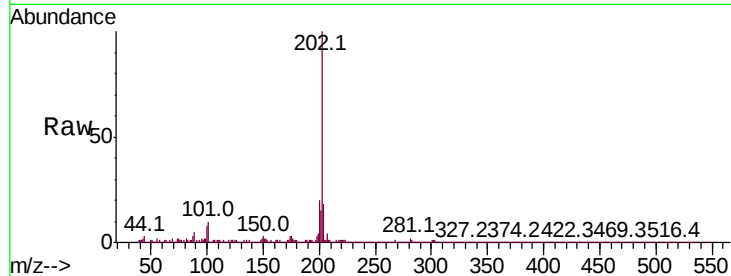




#77
 Fluoranthene
 Concen: 6.616 ng/ul
 RT: 19.10 min Scan# 2740
 Delta R.T. 0.01 min
 Lab File: BM023389.D
 Acq: 24 Oct 2019 21:04

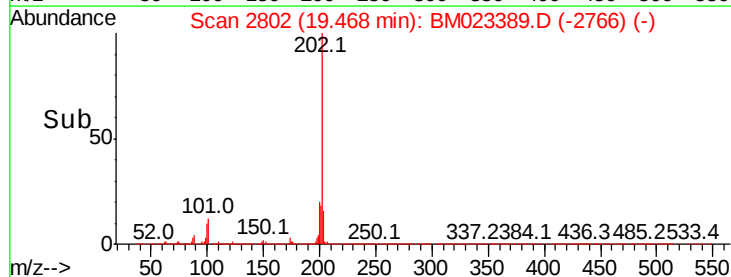
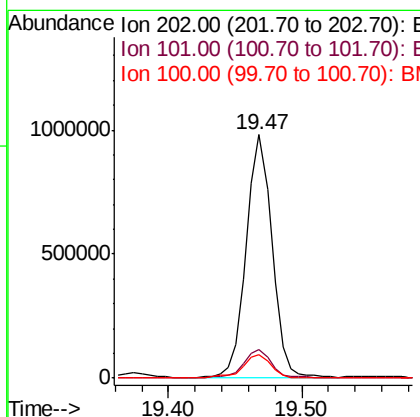
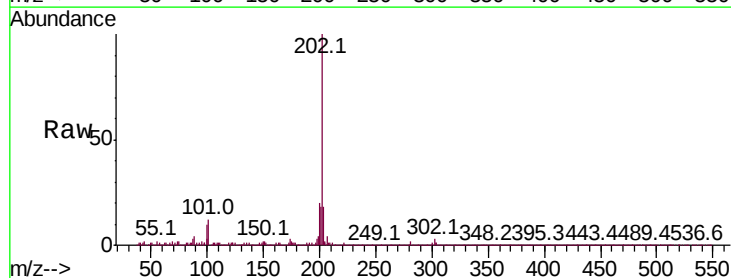
Instrument :
 BNA_M
 ClientSampleId :

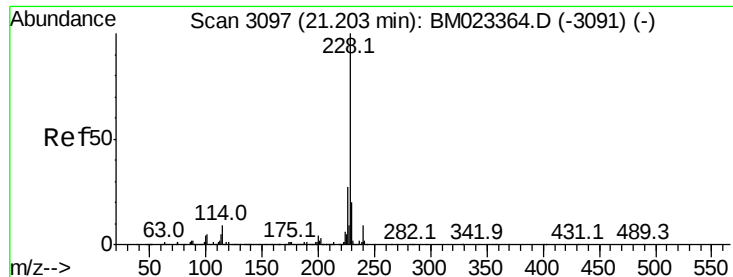
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.8	8.1	12.1
100	8.0	6.2	9.2



#80
 Pyrene
 Concen: 8.393 ng/ul
 RT: 19.47 min Scan# 2802
 Delta R.T. 0.01 min
 Lab File: BM023389.D
 Acq: 24 Oct 2019 21:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	10.0	15.0
100	9.5	8.3	12.5

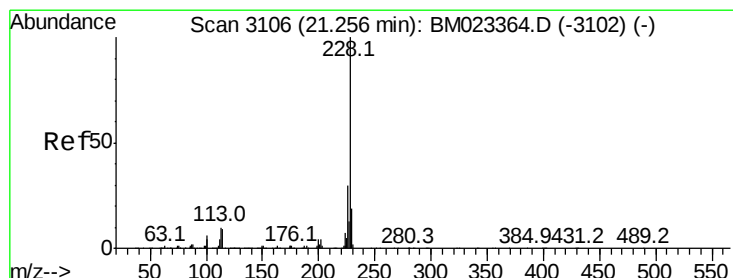
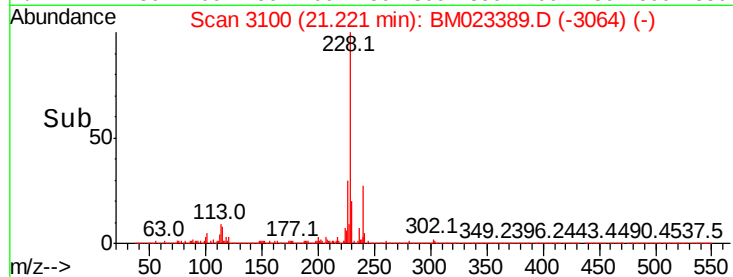
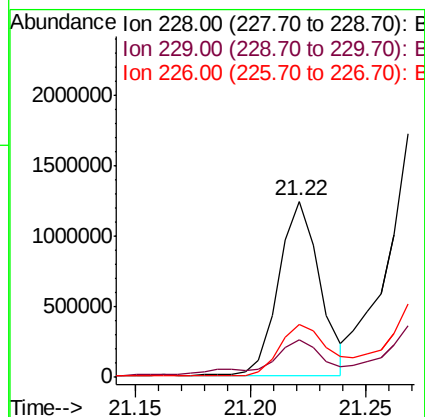
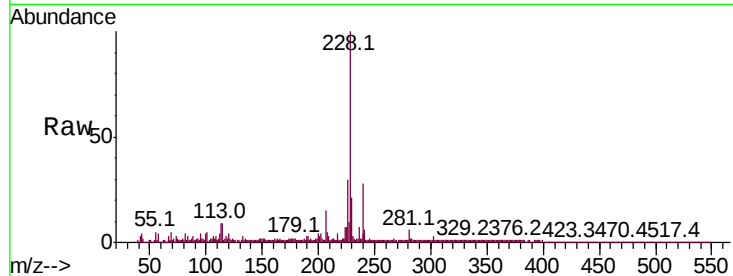




#83
Benzo(a)anthracene
Concen: 10.621 ng/ul
RT: 21.22 min Scan# 3100
Delta R.T. 0.01 min
Lab File: BM023389.D
Acq: 24 Oct 2019 21:04

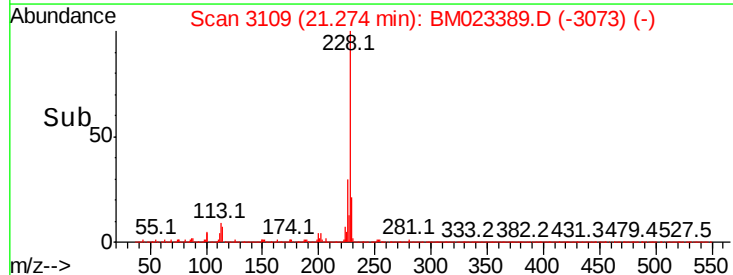
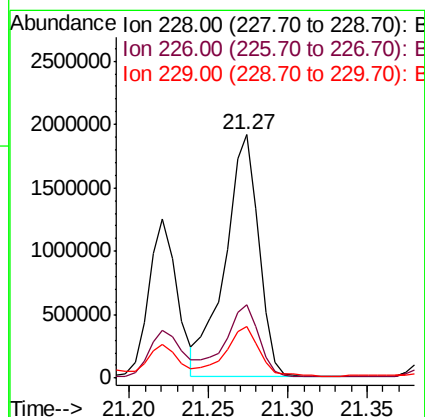
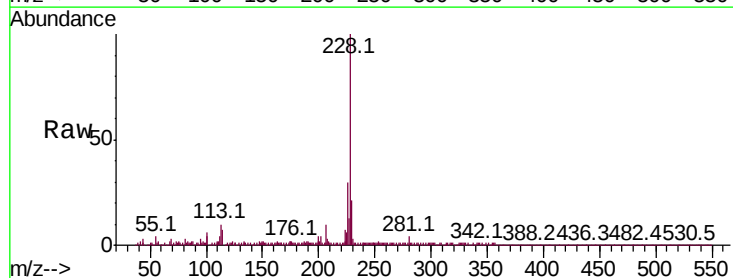
Instrument :
BNA_M
ClientSampleId :

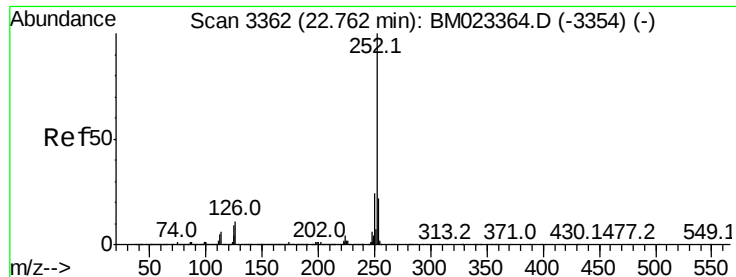
Tot Ion:228 Resp: 1553245
Ion Ratio Lower Upper
228 100
229 21.4 15.8 23.8
226 30.4 21.6 32.4



#85
Chrysene
Concen: 20.879 ng/ul
RT: 21.27 min Scan# 3109
Delta R.T. 0.01 min
Lab File: BM023389.D
Acq: 24 Oct 2019 21:04

Tgt Ion:228 Resp: 2817235
Ion Ratio Lower Upper
228 100
226 30.1 24.0 36.0
229 21.3 16.0 24.0





#88

Benzo(b)fluoranthene

Concen: 31.139 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. 0.02 min

Lab File: BM023389.D

Acq: 24 Oct 2019 21:04

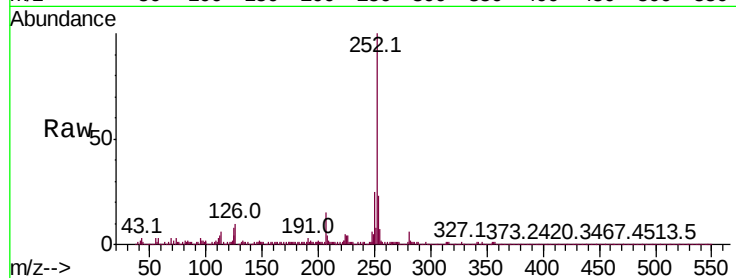
Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 5521878

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	8.5	7.1	10.7

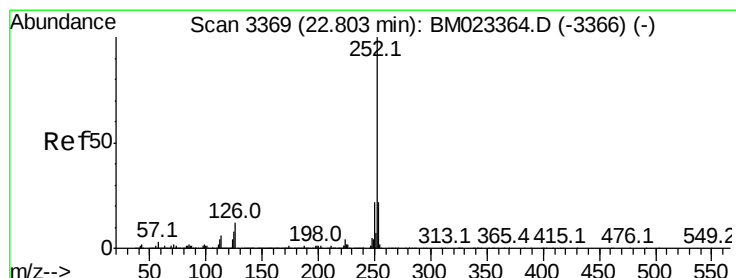
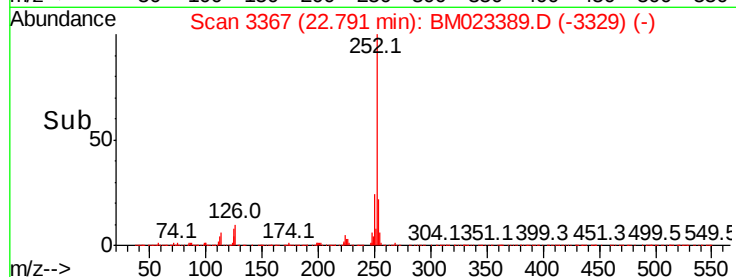
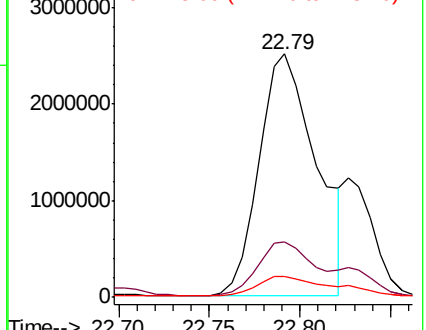


Abundance

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: 33.162 ng/ul

RT: 22.79 min Scan# 3367

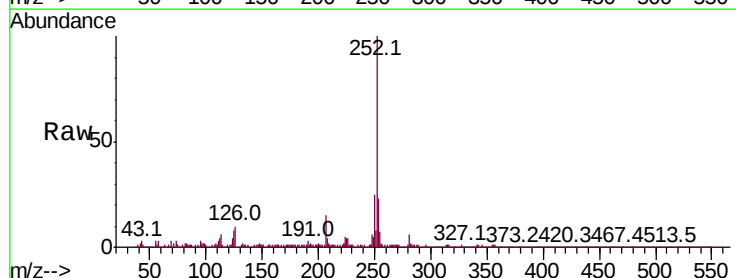
Delta R.T. -0.02 min

Lab File: BM023389.D

Acq: 24 Oct 2019 21:04

Tgt Ion:252 Resp: 5521878

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	8.5	6.8	10.2

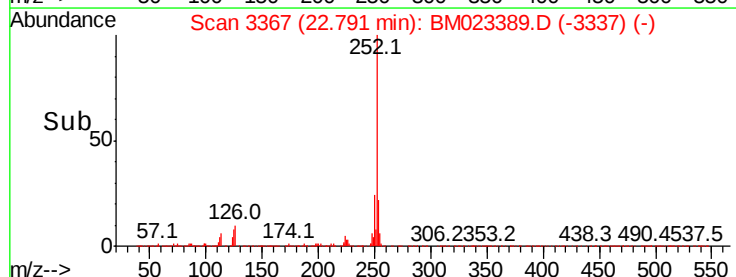
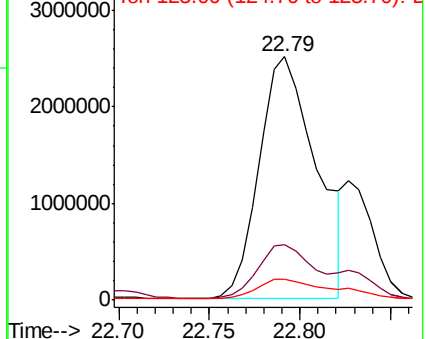


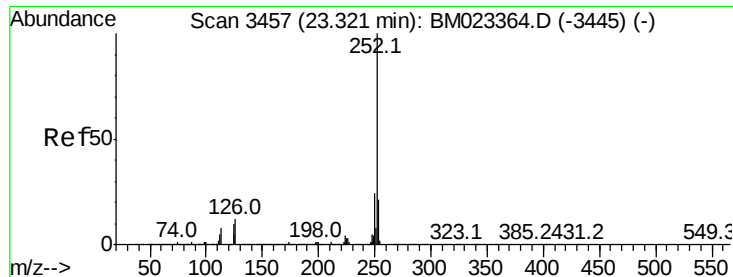
Abundance

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: 19.686 ng/ul

RT: 23.35 min Scan# 3462

Delta R.T. 0.02 min

Lab File: BM023389.D

Acq: 24 Oct 2019 21:04

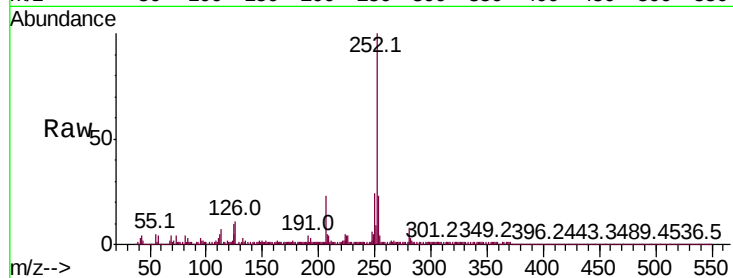
Instrument :

BNA_M

ClientSampled :

Tot Ion:252 Resp: 3160310

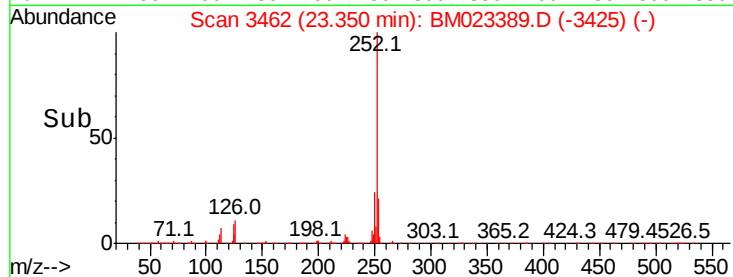
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	9.6	7.5	11.3



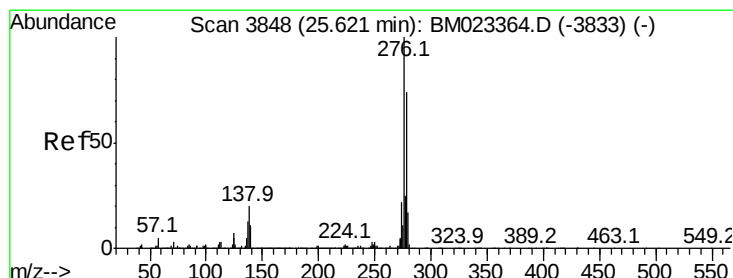
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#92

Indeno(1,2,3-cd)pyrene

Concen: 13.596 ng/ul

RT: 25.66 min Scan# 3855

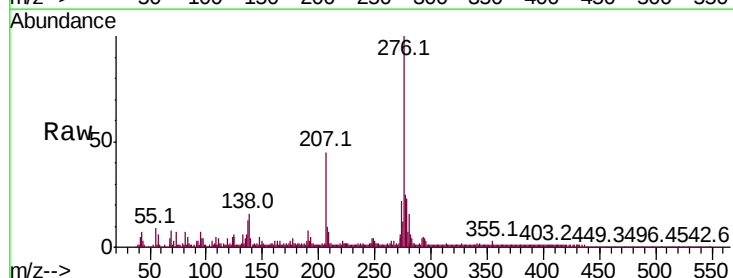
Delta R.T. 0.03 min

Lab File: BM023389.D

Acq: 24 Oct 2019 21:04

Tgt Ion:276 Resp: 2363390

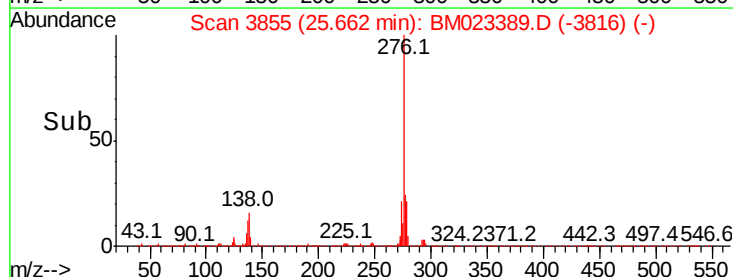
Ion	Ratio	Lower	Upper
276	100		
138	16.3	15.7	23.5
277	24.8	20.2	30.2



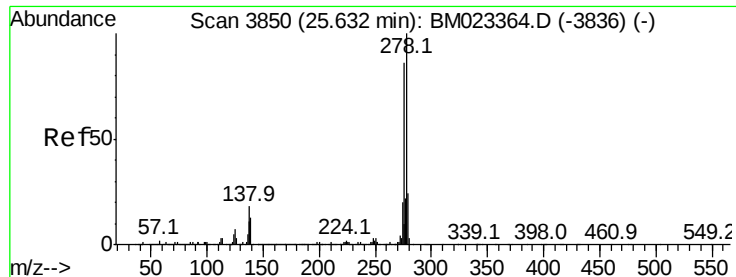
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#93

Dibenzo(a,h)anthracene

Concen: 4.332 ng/ul

RT: 25.66 min Scan# 3855

Delta R.T. 0.02 min

Lab File: BM023389.D

Acq: 24 Oct 2019 21:04

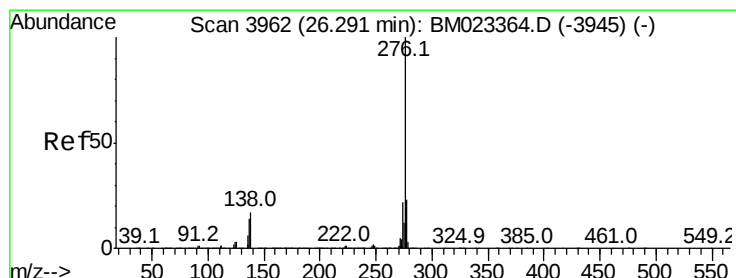
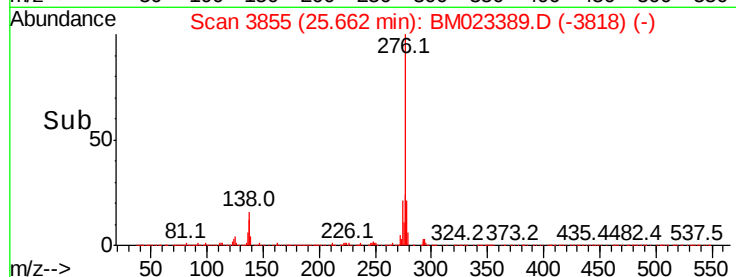
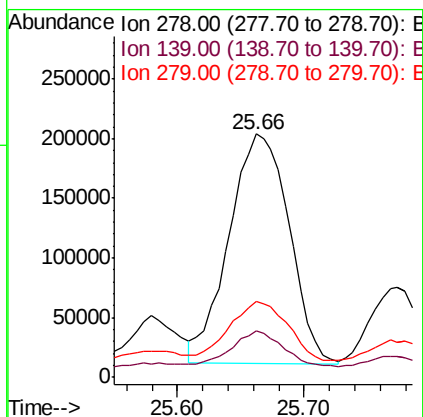
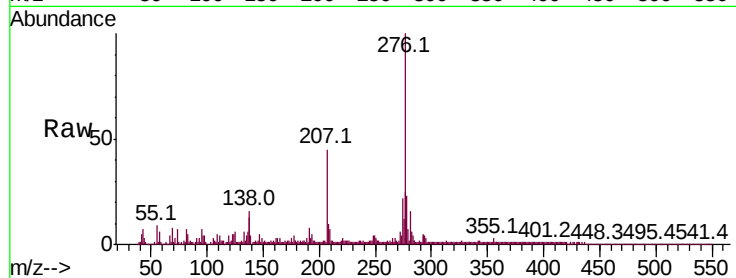
Instrument :

BNA_M

ClientSampleId :

Tot Ion:278 Resp: 634930

Ion	Ratio	Lower	Upper
278	100		
139	19.3	10.9	16.3#
279	31.2	18.7	28.1#



#94

Benzo(g,h,i)perylene

Concen: 12.334 ng/ul

RT: 26.34 min Scan# 3970

Delta R.T. 0.04 min

Lab File: BM023389.D

Acq: 24 Oct 2019 21:04

Tgt Ion:276 Resp: 1744408

Ion	Ratio	Lower	Upper
276	100		
138	17.9	14.4	21.6
277	25.5	19.0	28.6

