

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102119\
 Data File : BM023314.D
 Acq On : 21 Oct 2019 16:14
 Operator : JU
 Sample : K5378-04DL 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0012DL

Quant Time: Oct 21 17:56:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 21 17:53:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	573758	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	2339694	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	1433836	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	3119426	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	3367363	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	3808771	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	24274	1.86	ng/uL	0.00
5) Phenol-d5	6.83	99	354068	7.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	255322	9.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	320316	8.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	233287	5.81	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	155378	9.82	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	166480	11.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	324791	8.47	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	264295	5.67	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1028015	9.36	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	1217897	9.45	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	85954	4.83	ng/ul	0.00
58) Fluorene-d10	15.29	176	930181	9.94	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	105583	8.54	ng/ul	0.00
71) Anthracene-d10	17.14	188	1460455	9.71	ng/ul	0.00
79) Pyrene-d10	19.44	212	1700067	10.43	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	2058227	10.66	ng/ul	0.01

Target Compounds

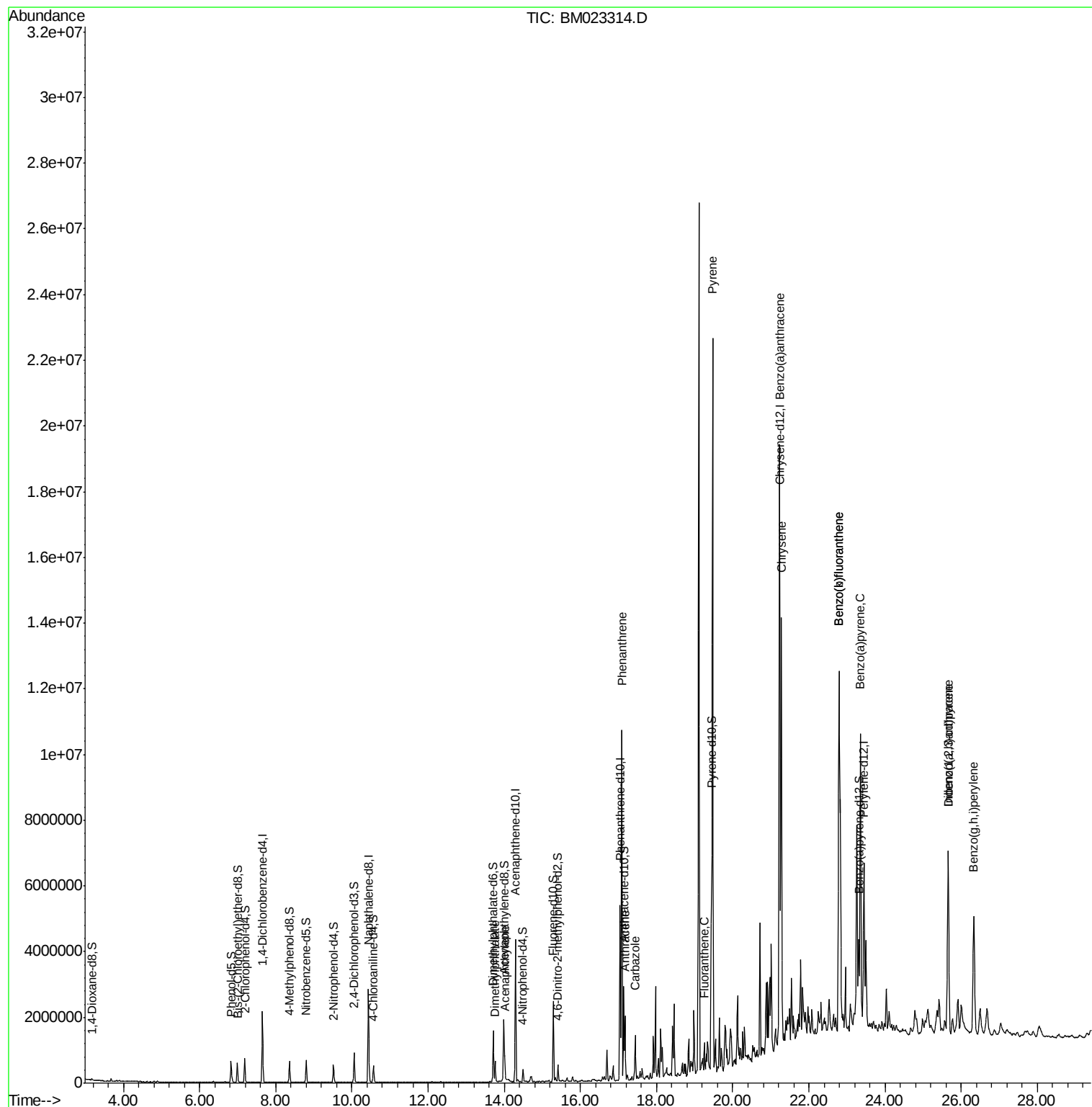
					Ovalue
45) Dimethylphthalate	13.76	163	401290	3.649	ng/ul 98
48) Acenaphthylene	14.02	152	488069	3.704	ng/ul 99
70) Phenanthrene	17.09	178	6288088	35.919	ng/ul 99
72) Anthracene	17.17	178	1201209	6.640	ng/ul 99
75) Carbazole	17.44	167	832213	5.149	ng/ul 100
77) Fluoranthene	19.26	202	294714	1.416	ng/ul 98
80) Pyrene	19.47	202	13145007	62.313	ng/ul 96
83) Benzo(a)anthracene	21.23	228	7846650	34.390	ng/ul 97
85) Chrysene	21.27	228	7088248	33.458	ng/ul 97
88) Benzo(b)fluoranthene	22.79	252	10005279	43.326	ng/ul 98
89) Benzo(k)fluoranthene	22.79	252	10005279	45.122	ng/ul 98
91) Benzo(a)pyrene	23.35	252	6647299	30.003	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.66	276	5053602	19.174	ng/ul 98
93) Dibenzo(a,h)anthracene	25.66	278	1282573	5.820	ng/ul# 88
94) Benzo(g,h,i)perylene	26.34	276	4523068	20.843	ng/ul 98

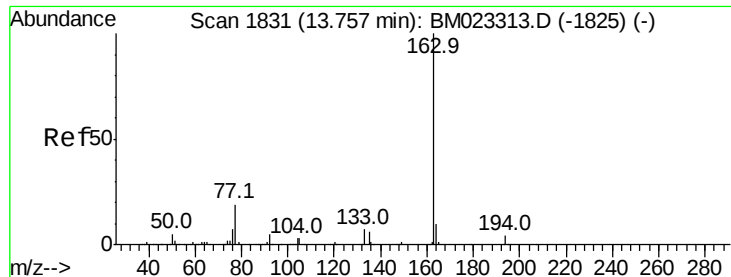
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102119\
Data File : BM023314.D
Acq On : 21 Oct 2019 16:14
Operator : JU
Sample : K5378-04DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0012DL

Quant Time: Oct 21 17:56:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 21 17:53:35 2019
Response via : Initial Calibration

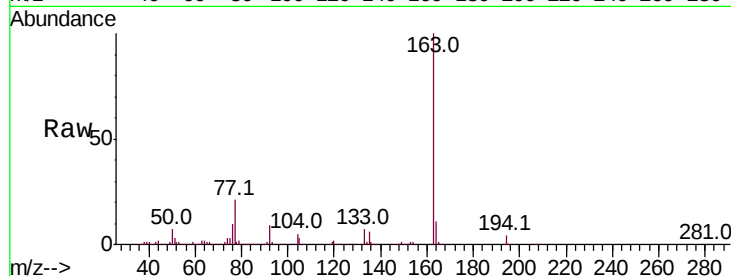




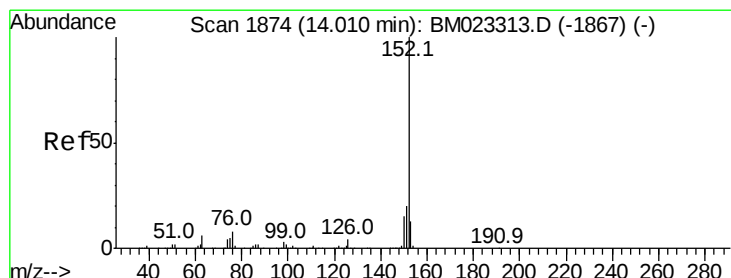
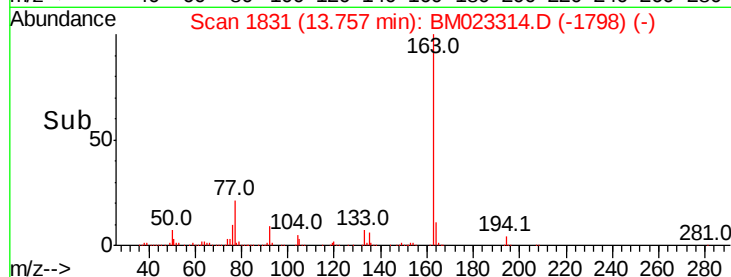
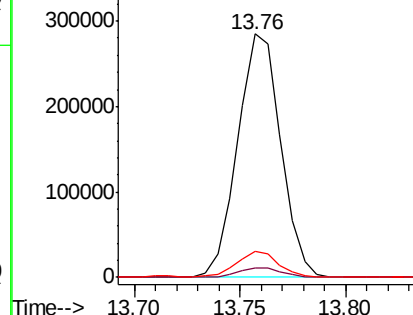
#45
Dimethylphthalate
Concen: 3.649 ng/ul
RT: 13.76 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BM023314.D
Acq: 21 Oct 2019 16:14

Instrument :
BNA_M
ClientSampleId :
C0012DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.5	5.3
164	10.5	8.0	12.0

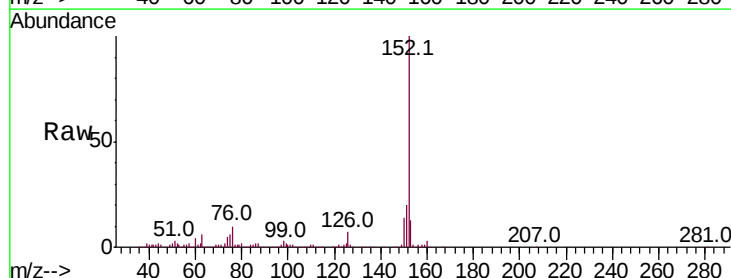


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

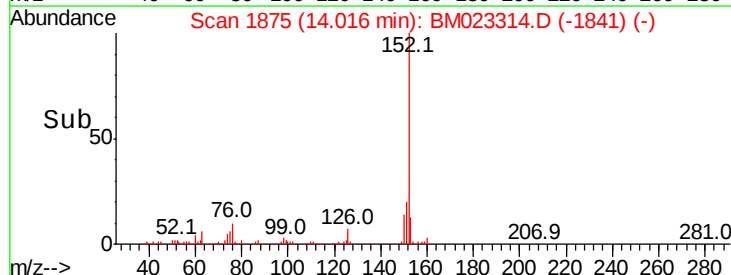
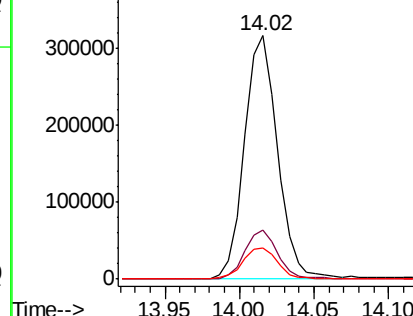


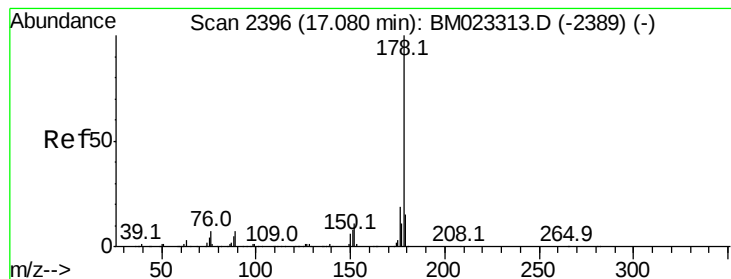
#48
Acenaphthylene
Concen: 3.704 ng/ul
RT: 14.02 min Scan# 1875
Delta R.T. 0.00 min
Lab File: BM023314.D
Acq: 21 Oct 2019 16:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	12.6	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





#70

Phenanthrene

Concen: 35.919 ng/ul

RT: 17.09 min Scan# 2397

Delta R.T. 0.00 min

Lab File: BM023314.D

Acq: 21 Oct 2019 16:14

Instrument :

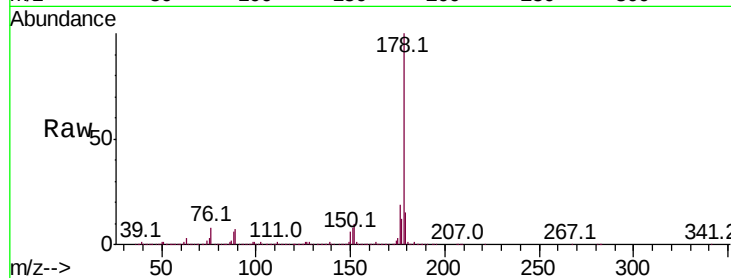
BNA_M

ClientSampleId :

C0012DL

Tot Ion:178 Resp: 6288088

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	19.0	15.5	23.3

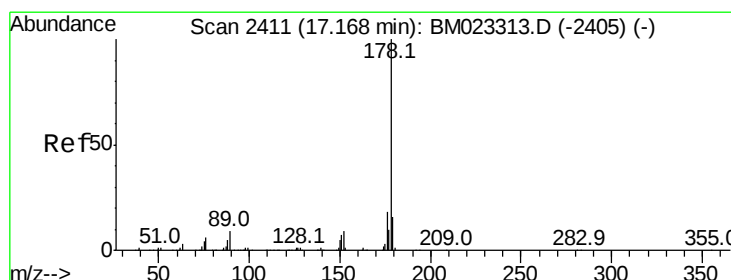
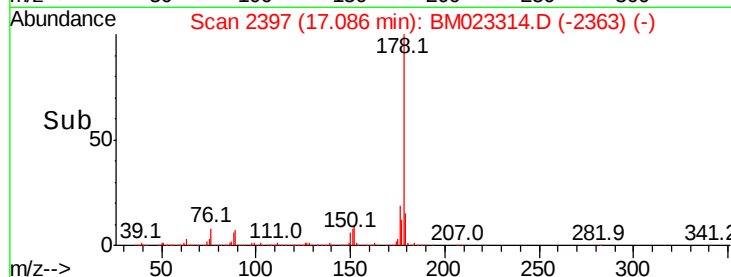
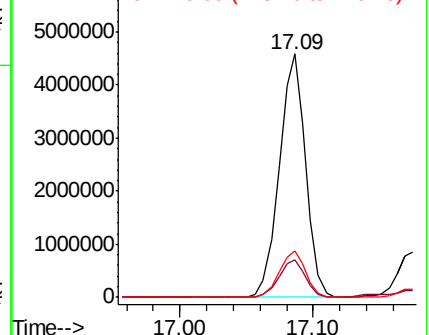


Abundance

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: 6.640 ng/ul

RT: 17.17 min Scan# 2412

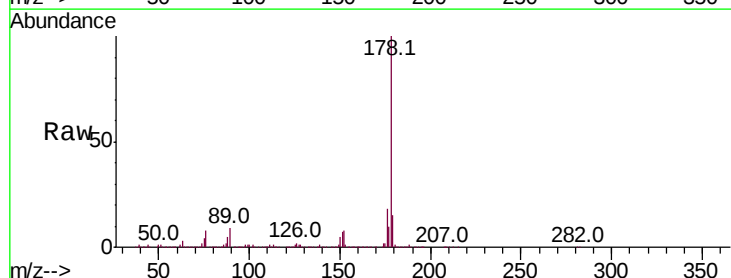
Delta R.T. 0.00 min

Lab File: BM023314.D

Acq: 21 Oct 2019 16:14

Tgt Ion:178 Resp: 1201209

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.3	18.5
176	18.3	15.0	22.4

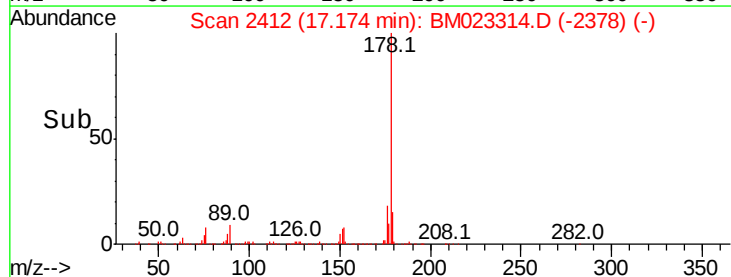
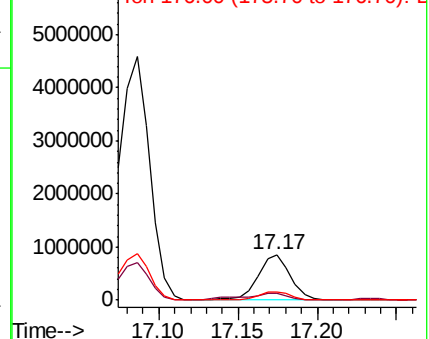


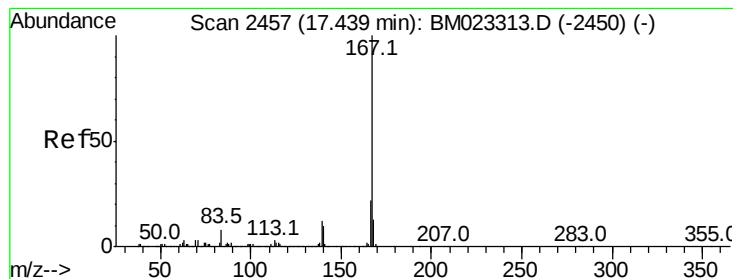
Abundance

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





#75

Carbazole

Concen: 5.149 ng/ul

RT: 17.44 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BM023314.D

Acq: 21 Oct 2019 16:14

Instrument :

BNA_M

ClientSampleId :

C0012DL

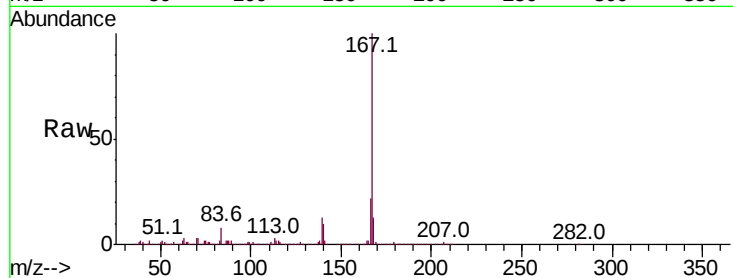
Tot Ion:167 Resp: 832213

Ion Ratio Lower Upper

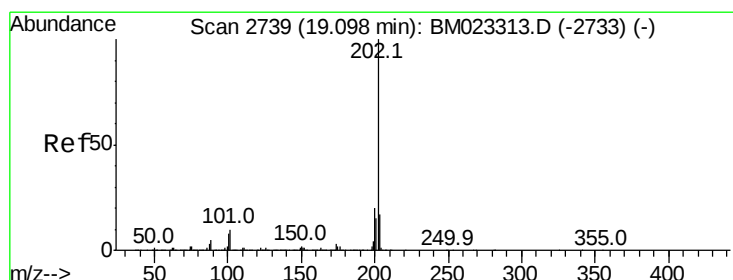
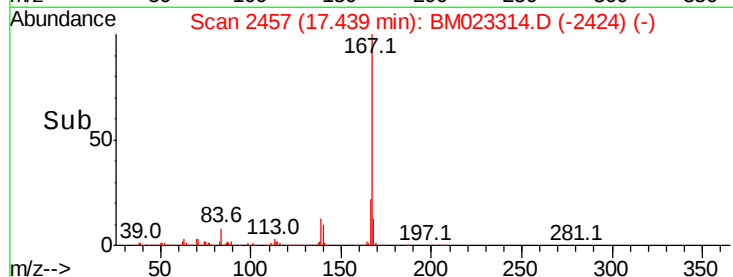
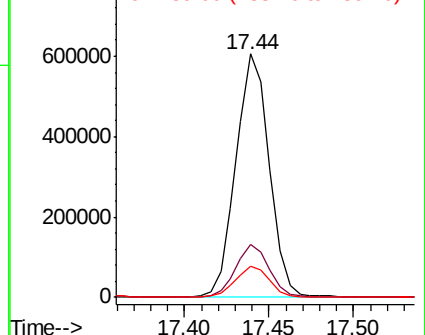
167 100

166 21.8 17.4 26.0

139 12.6 10.2 15.2



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



#77

Fluoranthene

Concen: 1.416 ng/ul

RT: 19.26 min Scan# 2766

Delta R.T. 0.15 min

Lab File: BM023314.D

Acq: 21 Oct 2019 16:14

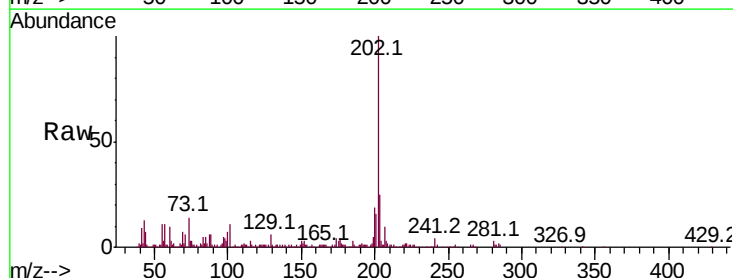
Tgt Ion:202 Resp: 294714

Ion Ratio Lower Upper

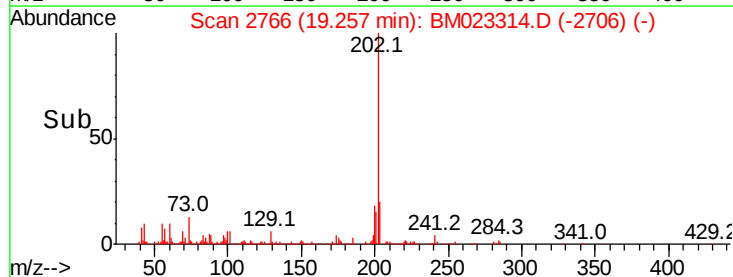
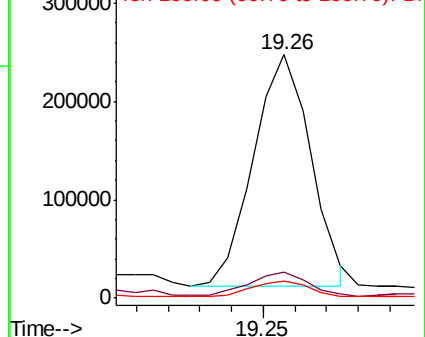
202 100

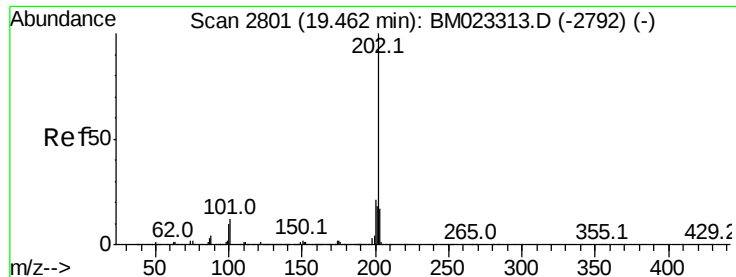
101 10.5 7.8 11.8

100 6.9 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): E

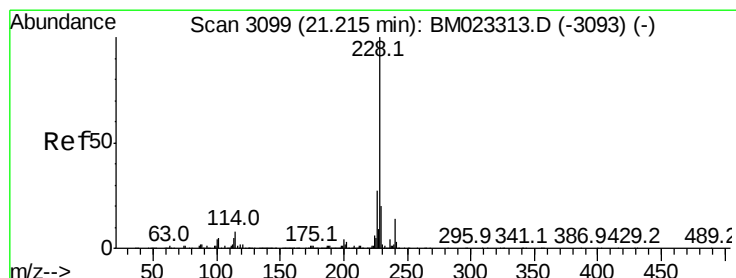
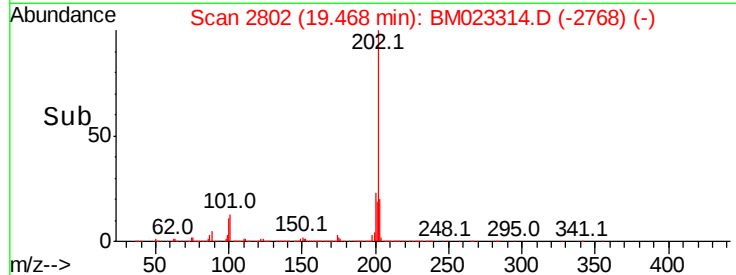
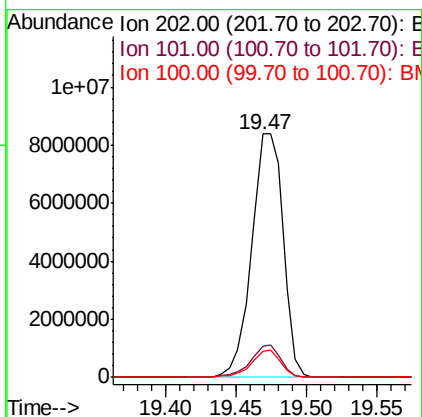
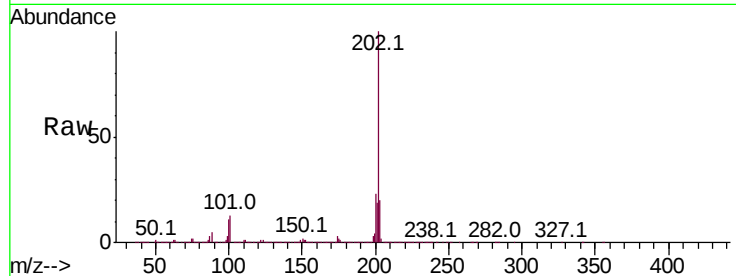




#80
Pvrene
Concen: 62.313 ng/ul
RT: 19.47 min Scan# 2802
Delta R.T. 0.00 min
Lab File: BM023314.D
Acq: 21 Oct 2019 16:14

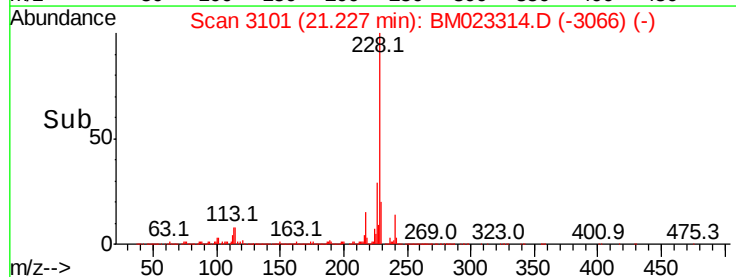
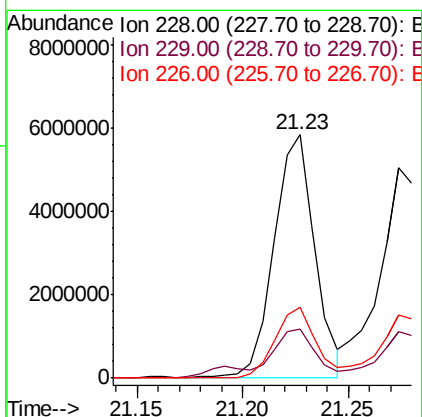
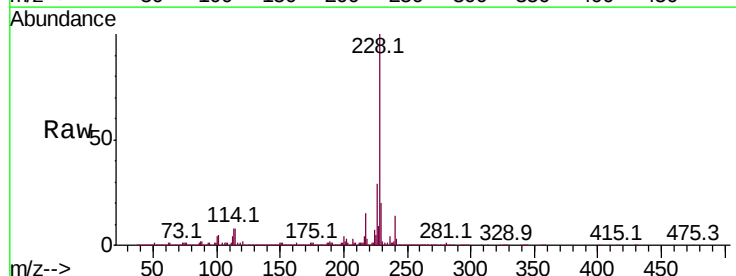
Instrument :
BNA_M
ClientSampled :
C0012DL

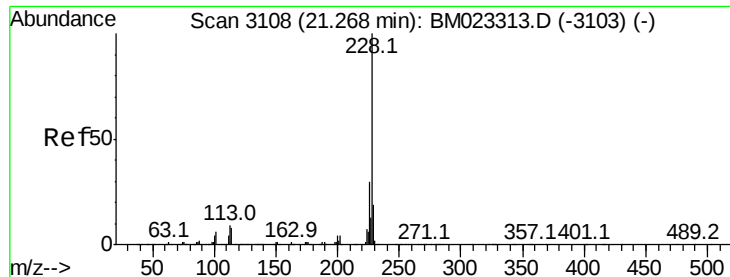
Tot Ion:202 Resp:13145007
Ion Ratio Lower Upper
202 100
101 13.0 9.1 13.7
100 10.9 7.5 11.3



#83
Benzo(a)anthracene
Concen: 34.390 ng/ul
RT: 21.23 min Scan# 3101
Delta R.T. 0.01 min
Lab File: BM023314.D
Acq: 21 Oct 2019 16:14

Tgt Ion:228 Resp: 7846650
Ion Ratio Lower Upper
228 100
229 20.4 15.7 23.5
226 28.9 21.6 32.4





#85

Chrysene

Concen: 33.458 ng/ul

RT: 21.27 min Scan# 3109

Delta R.T. 0.01 min

Lab File: BM023314.D

Acq: 21 Oct 2019 16:14

Instrument :

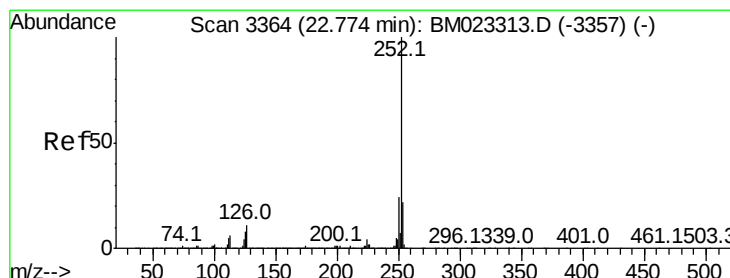
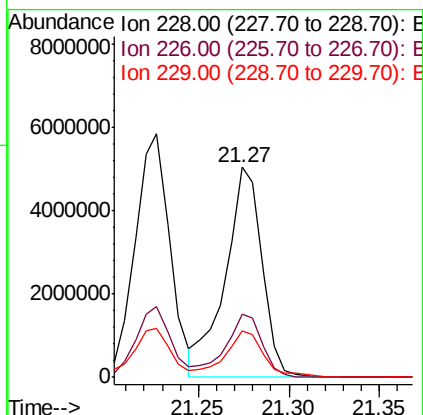
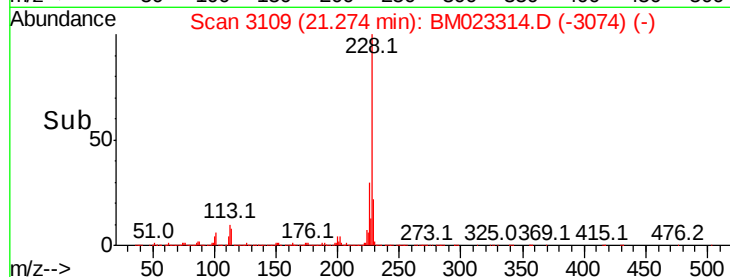
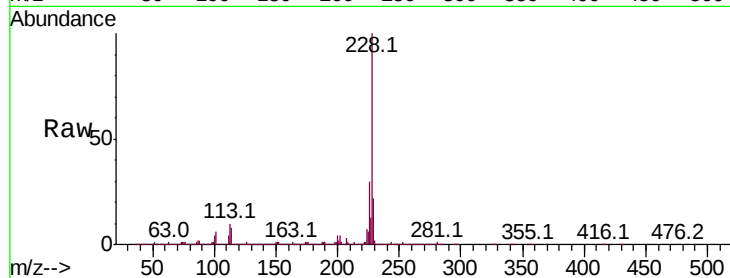
BNA_M

ClientSampleId :

C0012DL

Tot Ion:228 Resp: 7088248

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.6
229	22.3	15.5	23.3



#88

Benzo(b)fluoranthene

Concen: 43.326 ng/ul

RT: 22.79 min Scan# 3367

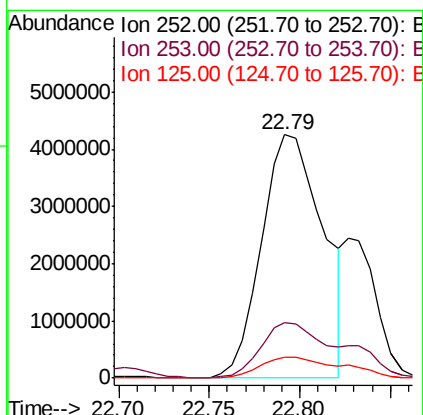
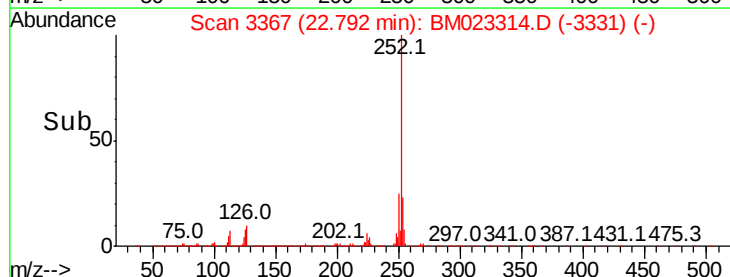
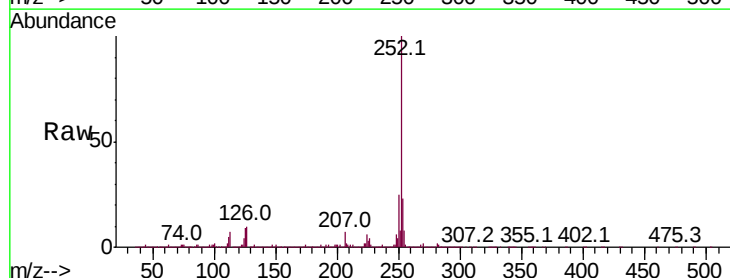
Delta R.T. 0.01 min

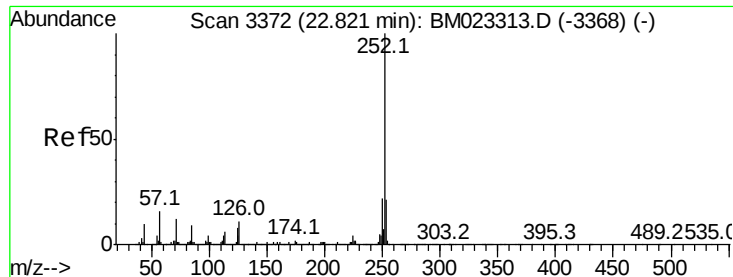
Lab File: BM023314.D

Acq: 21 Oct 2019 16:14

Tgt Ion:252 Resp:10005279

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	8.5	6.4	9.6





#89

Benzo(k)fluoranthene

Concen: 45.122 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. -0.03 min

Lab File: BM023314.D

Acq: 21 Oct 2019 16:14

Instrument :

BNA_M

ClientSampled :

C0012DL

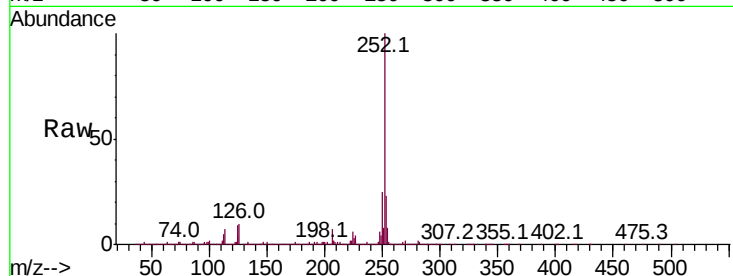
Tot Ion:252 Resp:10005279

Ion Ratio Lower Upper

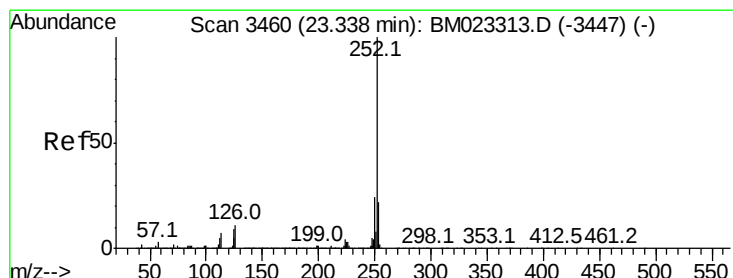
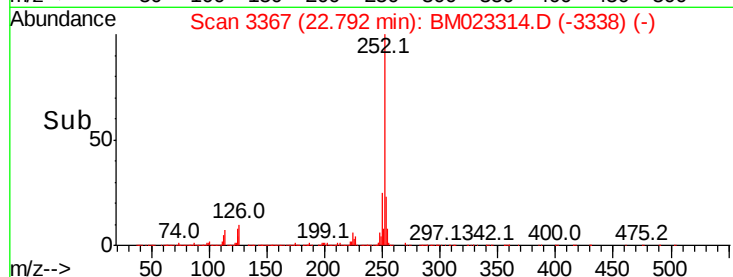
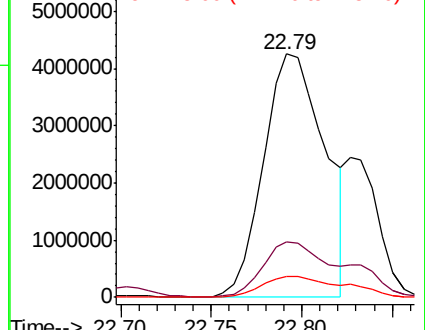
252 100

253 23.0 17.4 26.0

125 8.5 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



#91

Benzo(a)pyrene

Concen: 30.003 ng/ul

RT: 23.35 min Scan# 3462

Delta R.T. 0.01 min

Lab File: BM023314.D

Acq: 21 Oct 2019 16:14

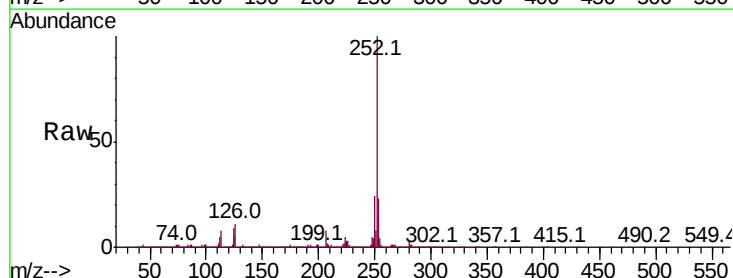
Tgt Ion:252 Resp: 6647299

Ion Ratio Lower Upper

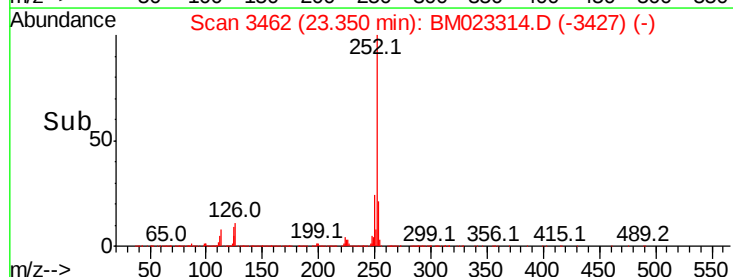
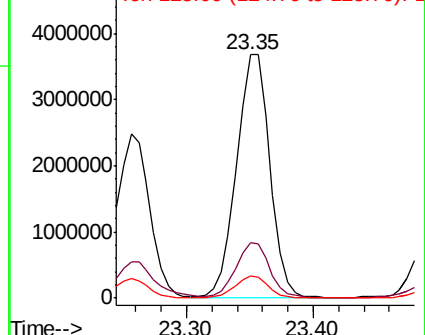
252 100

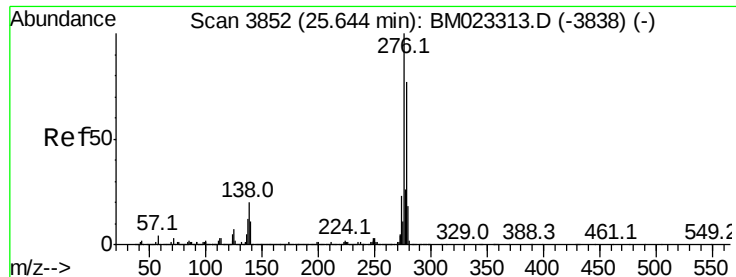
253 22.7 17.2 25.8

125 9.2 7.4 11.0



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





#92

Indeno(1,2,3-cd)pyrene

Concen: 19.174 ng/ul

RT: 25.66 min Scan# 3855

Delta R.T. 0.01 min

Lab File: BM023314.D

Acq: 21 Oct 2019 16:14

Instrument :

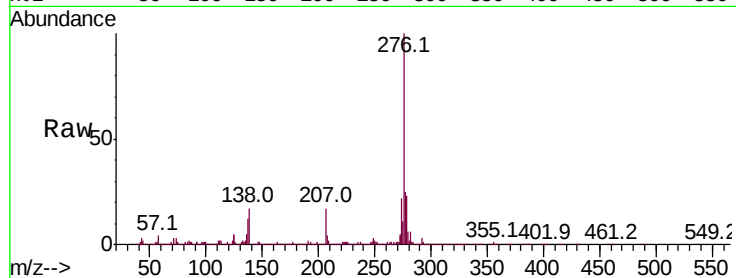
BNA_M

ClientSampleId :

C0012DL

Tot Ion:276 Resp: 5053602

Ion	Ratio	Lower	Upper
276	100		
138	16.5	14.9	22.3
277	25.1	19.8	29.8

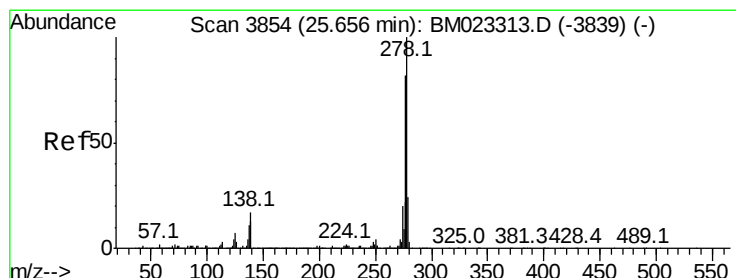
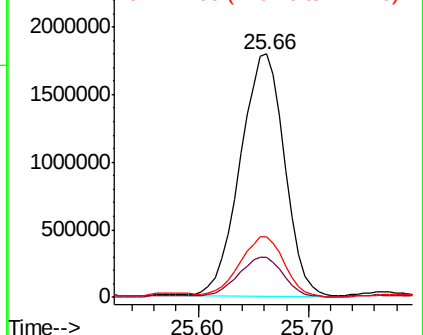
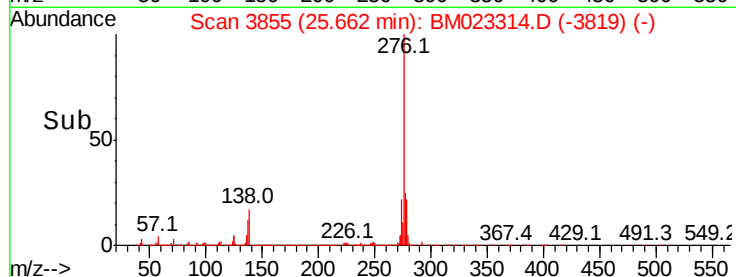


Abundance

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



#93

Dibenzo(a,h)anthracene

Concen: 5.820 ng/ul

RT: 25.66 min Scan# 3855

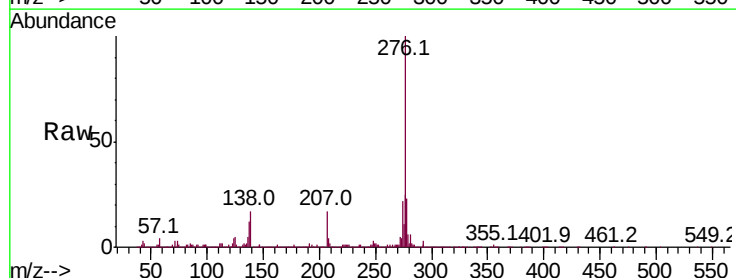
Delta R.T. 0.00 min

Lab File: BM023314.D

Acq: 21 Oct 2019 16:14

Tgt Ion:278 Resp: 1282573

Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.0	15.0#
279	24.9	19.4	29.0

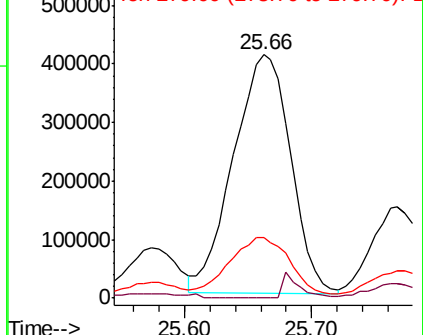
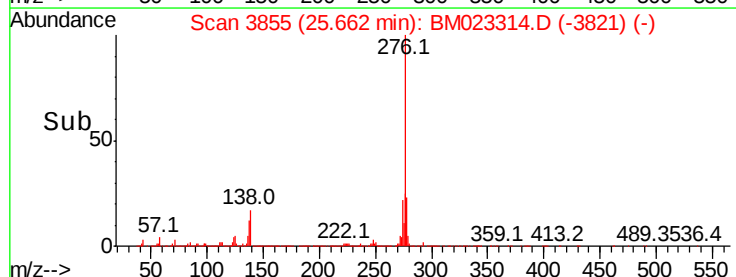


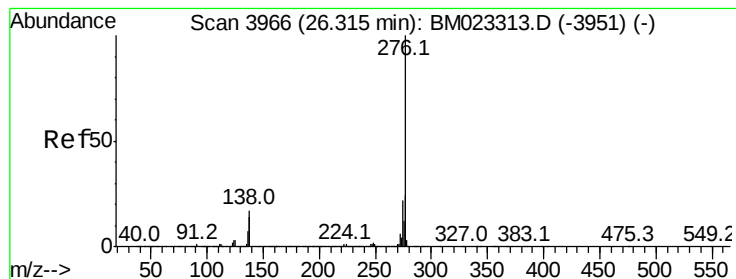
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(a,h,i)perylene

Concen: 20.843 ng/ul

RT: 26.34 min Scan# 3970

Delta R.T. 0.02 min

Lab File: BM023314.D

Acq: 21 Oct 2019 16:14

Instrument :

BNA_M

ClientSampleId :

C0012DL

Tot Ion:276 Resp: 4523068

Ion Ratio Lower Upper

276 100

138 16.9 14.4 21.6

277 23.5 19.4 29.2

