

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
 Data File : BM023058.D
 Acq On : 08 Oct 2019 22:48
 Operator : JU
 Sample : K5057-09DL 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBAJ5DL

Quant Time: Oct 09 05:54:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 08 15:02:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	271593	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	1114949	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.41	164	647470	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.15	188	1282668	20.00	ng/ul	0.00
78) Chrysene-d12	21.34	240	1291031	20.00	ng/ul	0.00
86) Perylene-d12	23.59	264	1568332	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	6702	1.07	ng/uL	0.00
5) Phenol-d5	6.94	99	132729	5.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.11	67	84017	6.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.31	132	114510	5.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	106165	5.40	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	52018	6.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	52201	5.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.19	165	108757	5.81	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	103802	4.57	ng/ul	0.00
44) Dimethylphthalate-d6	13.82	166	321232	6.39	ng/ul	0.00
47) Acenaphthylene-d8	14.10	160	380480	6.56	ng/ul	0.00
52) 4-Nitrophenol-d4	14.60	143	27304	2.75	ng/ul	0.00
58) Fluorene-d10	15.40	176	298381	6.97	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.52	200	24403	2.92	ng/ul	0.00
71) Anthracene-d10	17.25	188	437954	6.99	ng/ul	0.00
79) Pyrene-d10	19.54	212	501275	7.21	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.44	264	584771	7.21	ng/ul	0.00

Target Compounds

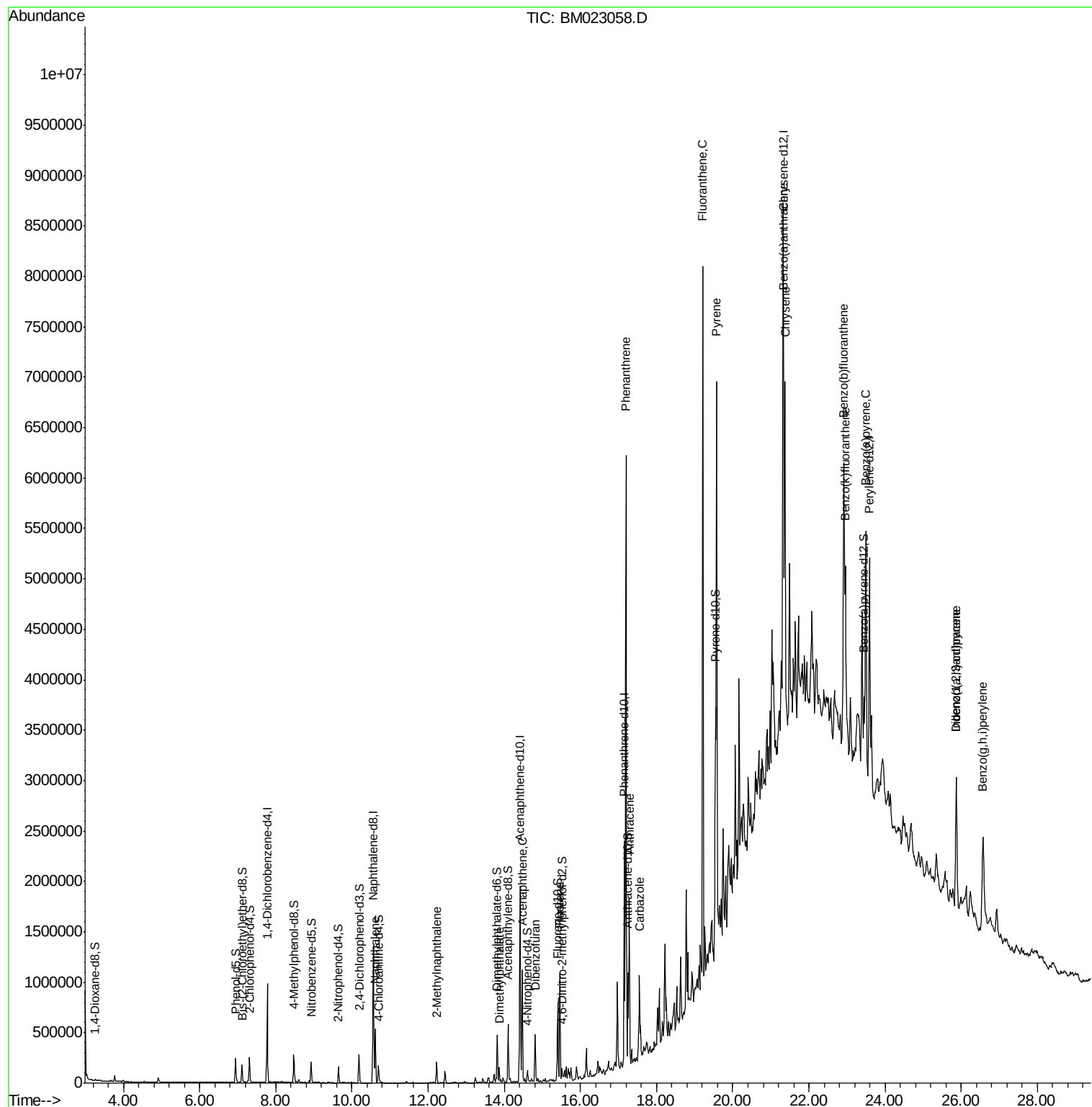
					Ovalue
28) Naphthalene	10.61	128	440855	7.321	ng/ul 100
34) 2-Methylnaphthalene	12.23	142	95097	2.106	ng/ul 99
45) Dimethylphthalate	13.87	163	94788	1.836	ng/ul 100
50) Acenaphthene	14.47	153	431553	9.891	ng/ul 100
54) Dibenzofuran	14.81	168	278935	4.476	ng/ul 100
59) Fluorene	15.46	166	461252	9.160	ng/ul 99
70) Phenanthrene	17.20	178	3602614	47.061	ng/ul 99
72) Anthracene	17.29	178	1011654	12.970	ng/ul 100
75) Carbazole	17.55	167	504510	7.277	ng/ul 99
77) Fluoranthene	19.22	202	4290034	49.828	ng/ul 100
80) Pyrene	19.57	202	3465829	37.870	ng/ul 97
83) Benzo(a)anthracene	21.32	228	1965632	21.206	ng/ul 99
85) Chrysene	21.37	228	1735557	20.309	ng/ul 98
88) Benzo(b)fluoranthene	22.92	252	2475614	23.786	ng/ul# 95
89) Benzo(k)fluoranthene	22.96	252	807195	8.107	ng/ul# 91
91) Benzo(a)pyrene	23.50	252	1787677	18.308	ng/ul# 96
92) Indeno(1,2,3-cd)pyrene	25.87	276	1206928	11.637	ng/ul 96
93) Dibenzo(a,h)anthracene	25.87	278	314203	3.621	ng/ul# 90
94) Benzo(g,h,i)perylene	26.57	276	1129789	13.502	ng/ul 99

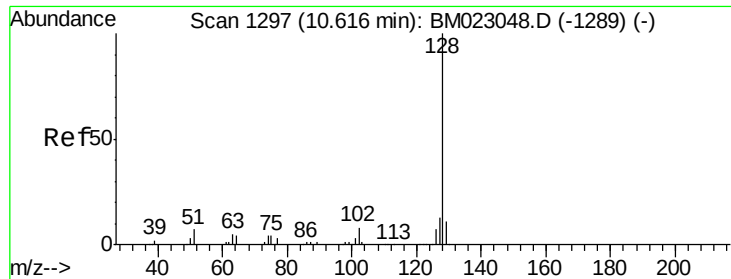
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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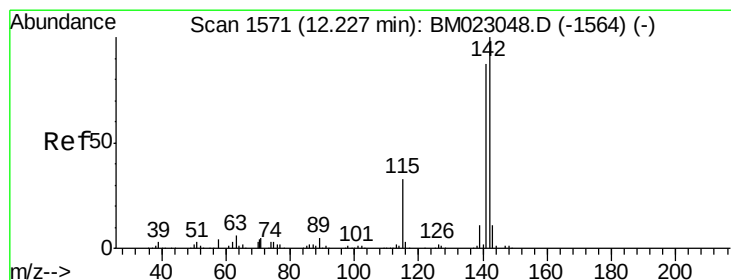
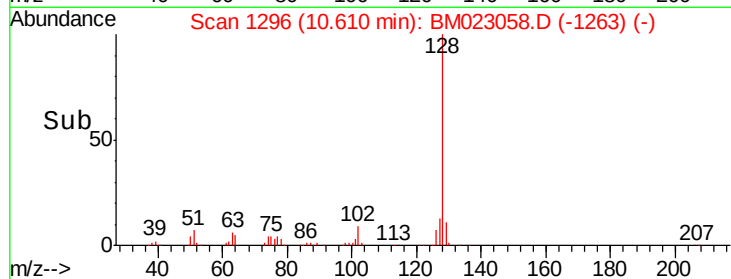
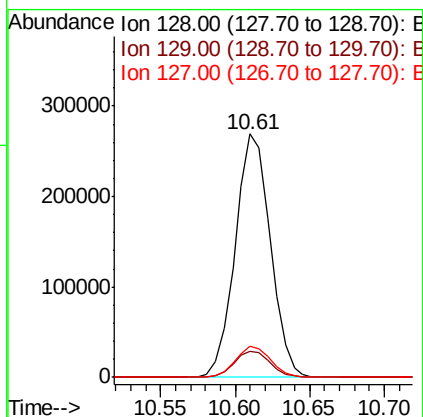
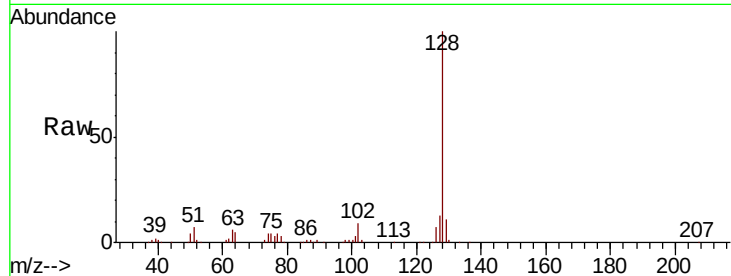




#28
Naphthalene
Concen: 7.321 ng/ul
RT: 10.61 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BM023058.D
Acq: 08 Oct 2019 22:48

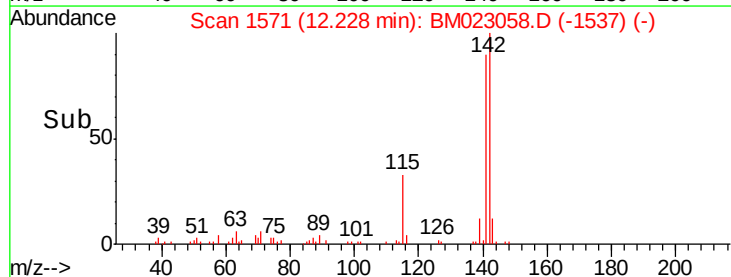
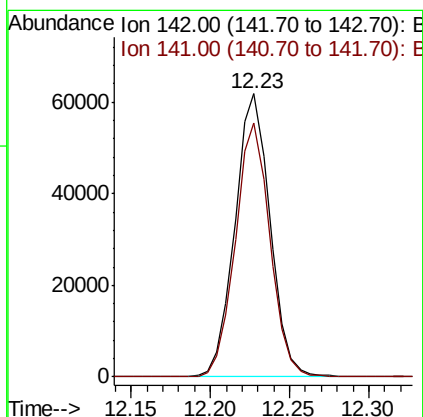
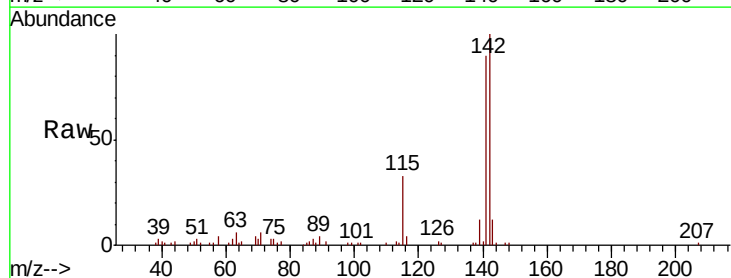
Instrument :
BNA_M
ClientSampleId :
DBAJ5DL

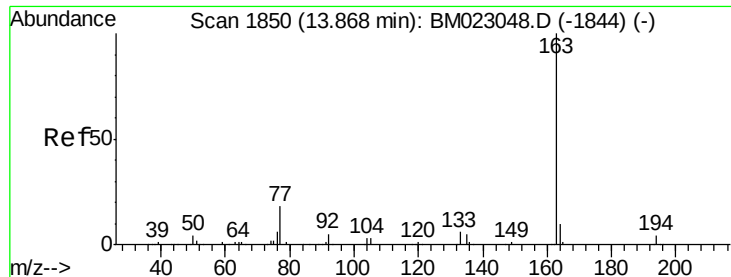
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	13.0
127	12.7	10.2	15.4



#34
2-Methylnaphthalene
Concen: 2.106 ng/ul
RT: 12.23 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BM023058.D
Acq: 08 Oct 2019 22:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.2	106.8





#45

Dimethylphthalate

Concen: 1.836 ng/ul

RT: 13.87 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BM023058.D

Acq: 08 Oct 2019 22:48

Instrument :

BNA_M

ClientSampleId :

DBAJ5DL

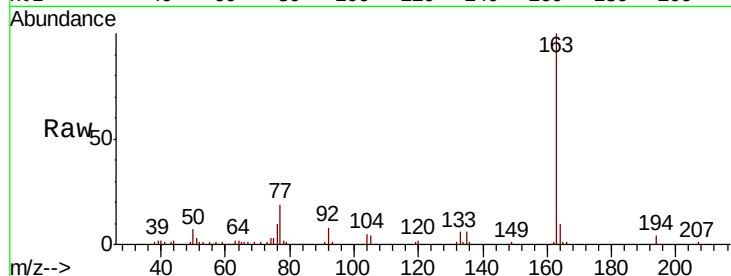
Tot Ion:163 Resp: 94788

Ion Ratio Lower Upper

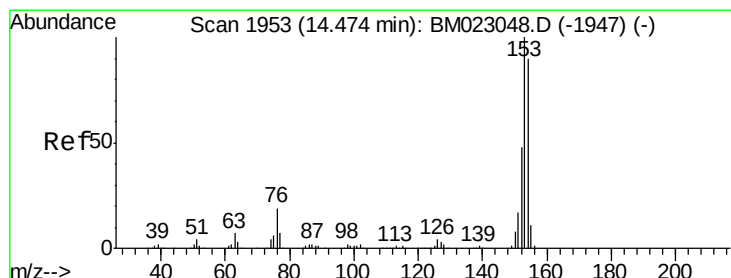
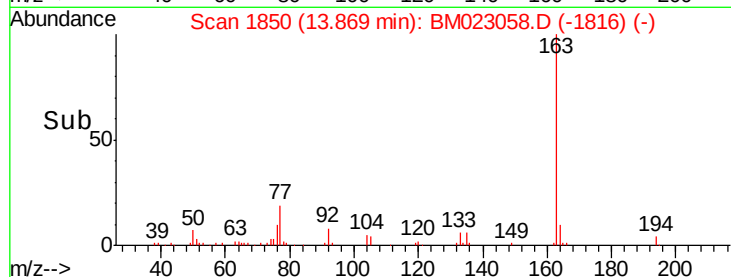
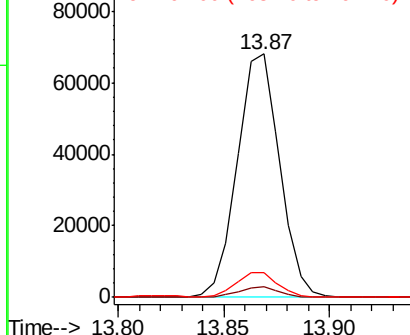
163 100

194 4.1 3.4 5.0

164 10.1 8.1 12.1



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



#50

Acenaphthene

Concen: 9.891 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BM023058.D

Acq: 08 Oct 2019 22:48

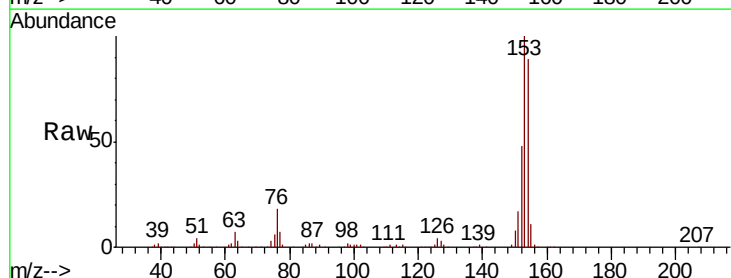
Tgt Ion:153 Resp: 431553

Ion Ratio Lower Upper

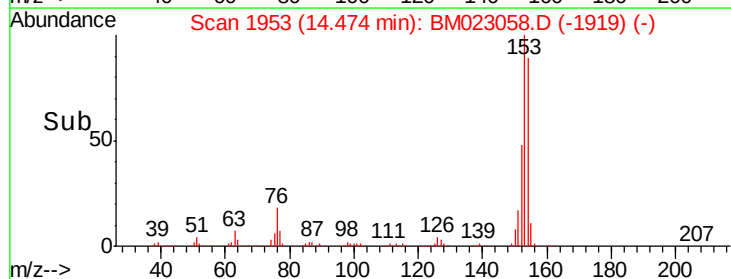
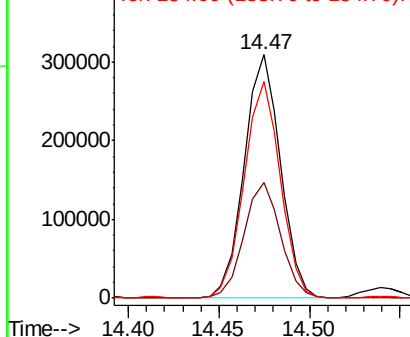
153 100

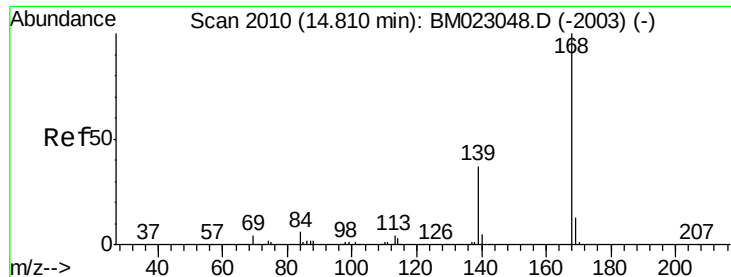
152 47.6 38.1 57.1

154 89.0 71.1 106.7



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





#54

Dibenzenofuran

Concen: 4.476 ng/ul

RT: 14.81 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BM023058.D

Acq: 08 Oct 2019 22:48

Instrument :

BNA_M

ClientSampleId :

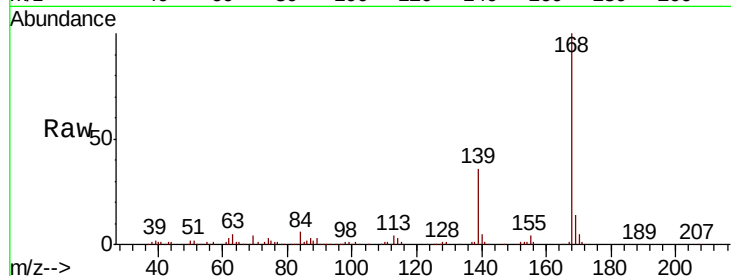
DBAJ5DL

Tot Ion:168 Resp: 278935

Ion Ratio Lower Upper

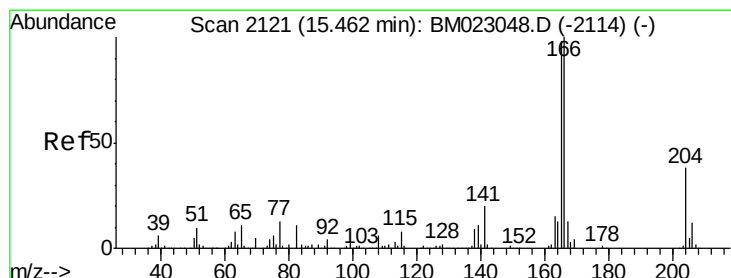
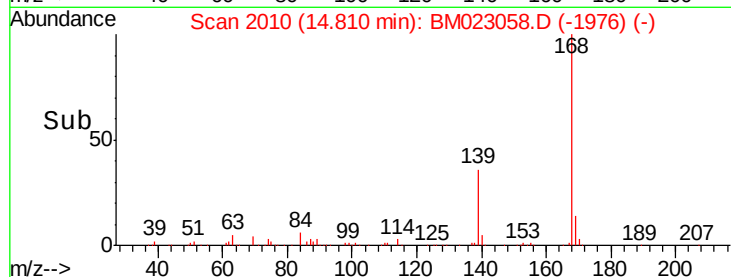
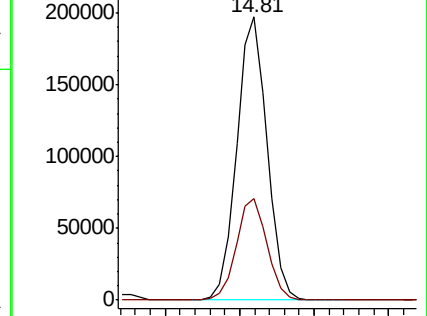
168 100

139 36.0 29.0 43.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 9.160 ng/ul

RT: 15.46 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BM023058.D

Acq: 08 Oct 2019 22:48

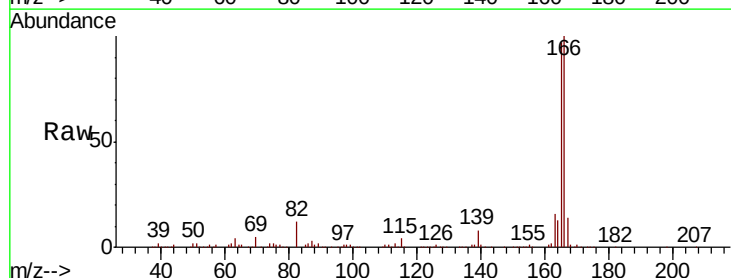
Tgt Ion:166 Resp: 461252

Ion Ratio Lower Upper

166 100

165 96.6 77.7 116.5

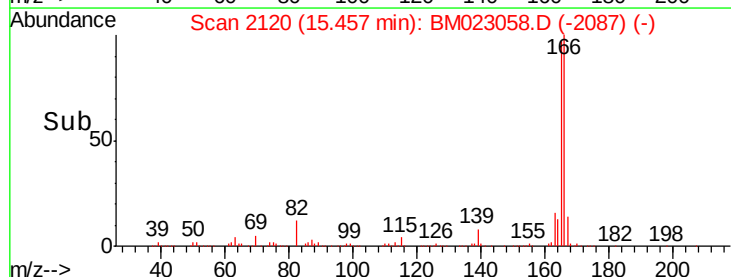
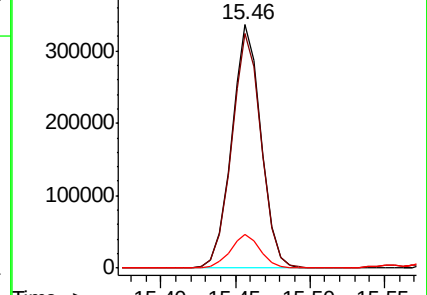
167 13.9 11.0 16.4

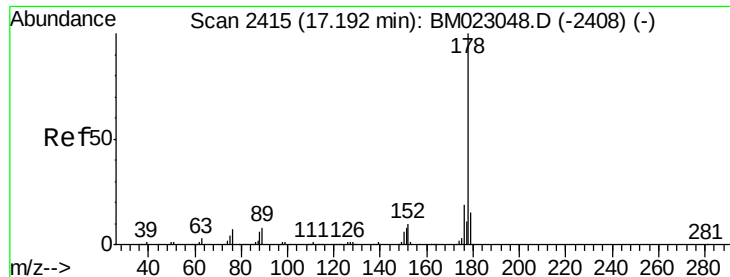


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

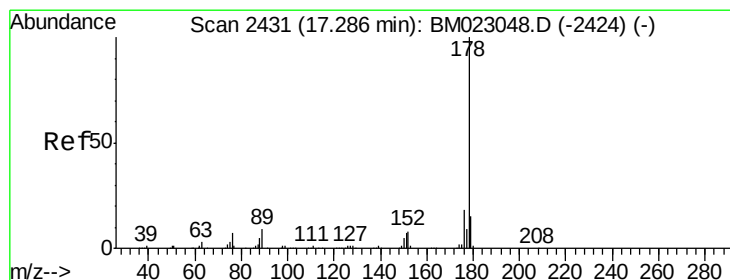
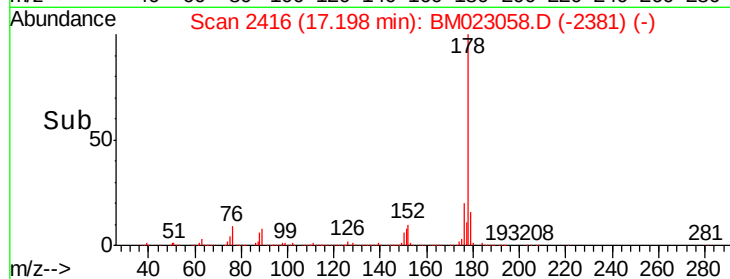
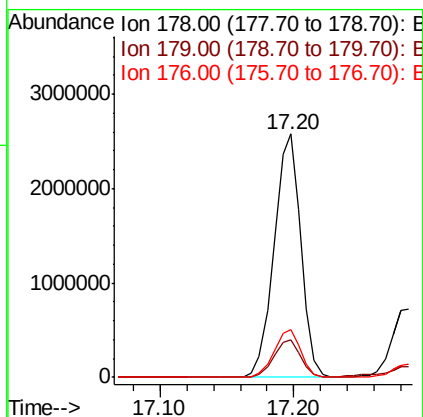
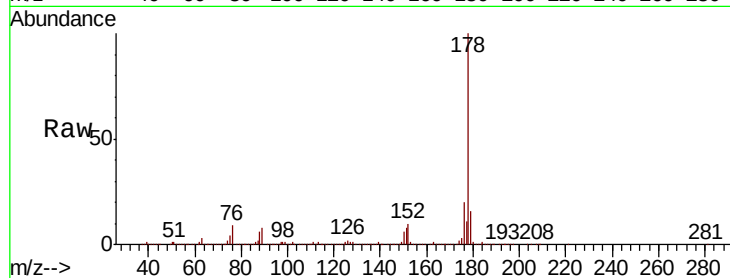




#70
Phenanthrene
Concen: 47.061 ng/ul
RT: 17.20 min Scan# 2416
Delta R.T. 0.01 min
Lab File: BM023058.D
Acq: 08 Oct 2019 22:48

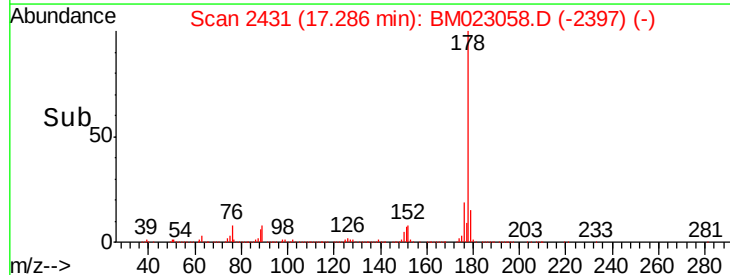
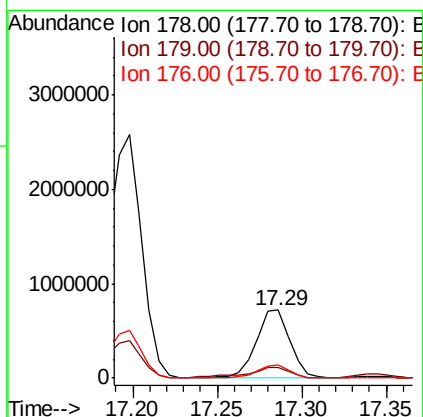
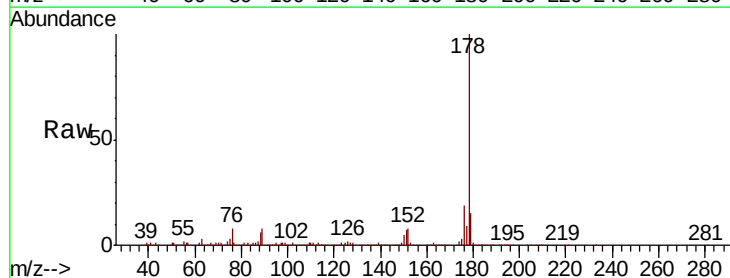
Instrument :
BNA_M
ClientSampleId :
DBAJ5DL

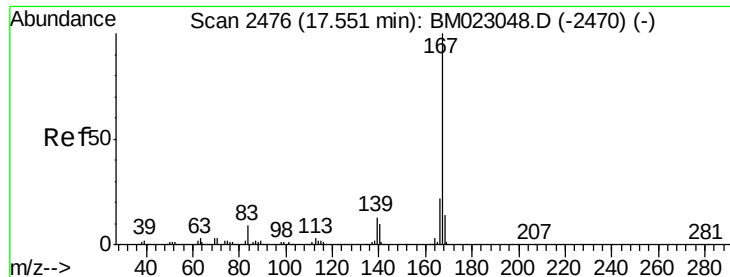
Tot Ion:178 Resp: 3602614
Ion Ratio Lower Upper
178 100
179 15.6 12.4 18.6
176 19.8 15.3 22.9



#72
Anthracene
Concen: 12.970 ng/ul
RT: 17.29 min Scan# 2431
Delta R.T. 0.00 min
Lab File: BM023058.D
Acq: 08 Oct 2019 22:48

Tgt Ion:178 Resp: 1011654
Ion Ratio Lower Upper
178 100
179 15.3 12.4 18.6
176 18.6 15.0 22.6





#75

Carbazole

Concen: 7.277 ng/ul

RT: 17.55 min Scan# 2476

Delta R.T. 0.00 min

Lab File: BM023058.D

Acq: 08 Oct 2019 22:48

Instrument :

BNA_M

ClientSampleId :

DBAJ5DL

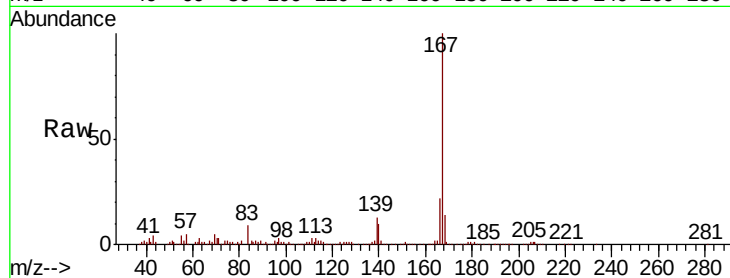
Tot Ion:167 Resp: 504510

Ion Ratio Lower Upper

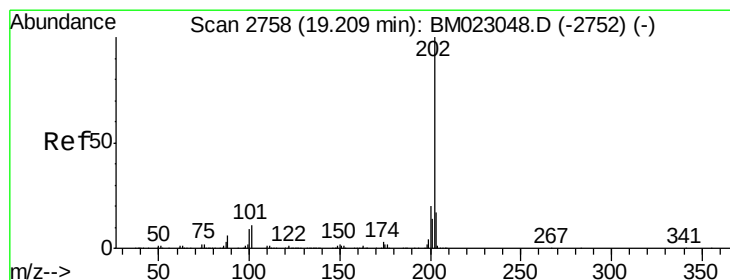
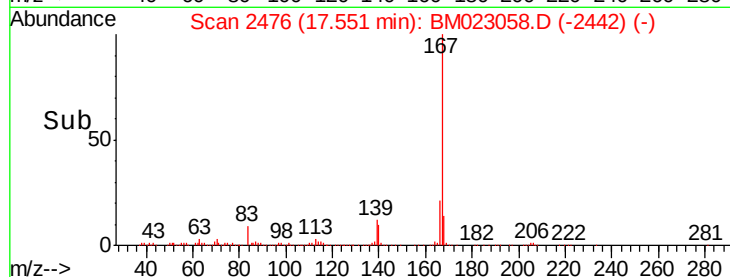
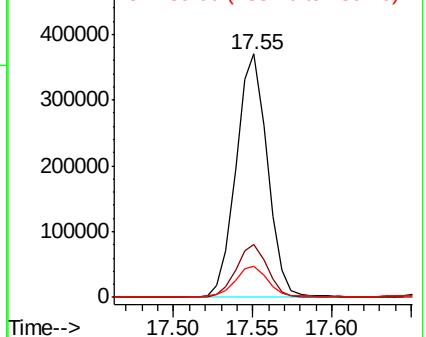
167 100

166 21.5 17.1 25.7

139 12.8 9.9 14.9



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: 49.828 ng/ul

RT: 19.22 min Scan# 2759

Delta R.T. 0.01 min

Lab File: BM023058.D

Acq: 08 Oct 2019 22:48

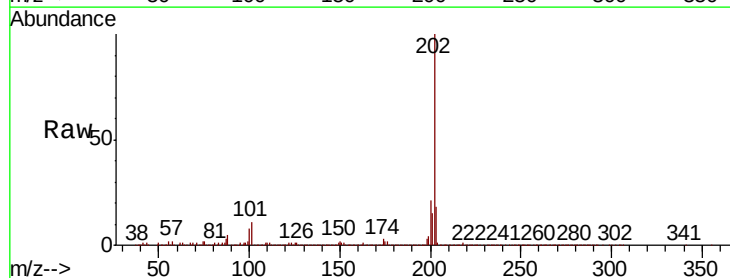
Tgt Ion:202 Resp: 4290034

Ion Ratio Lower Upper

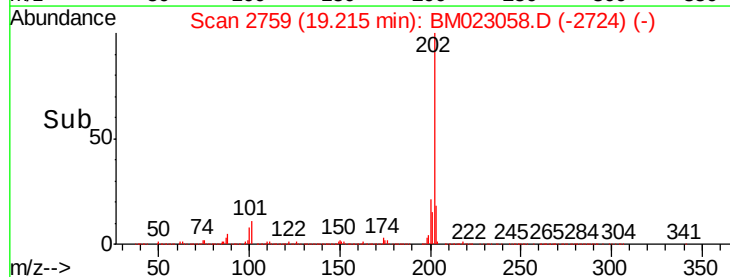
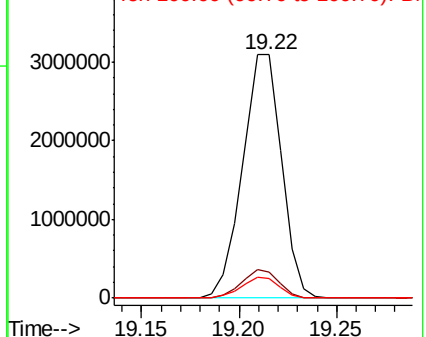
202 100

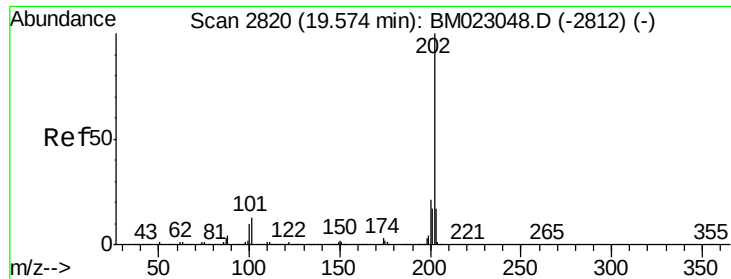
101 10.7 8.6 12.8

100 8.1 6.4 9.6



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

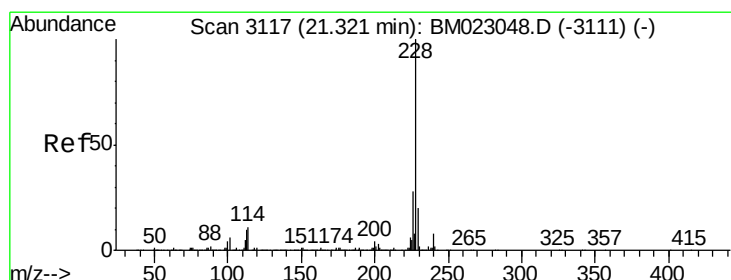
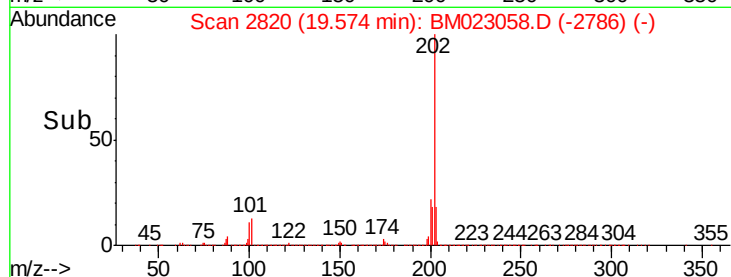
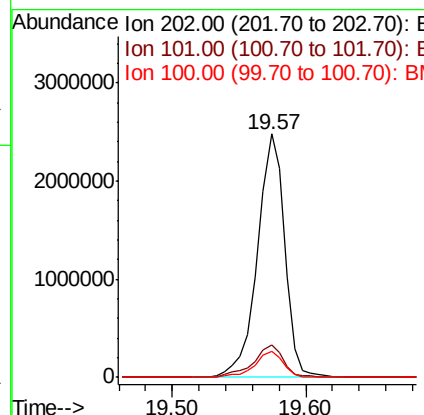
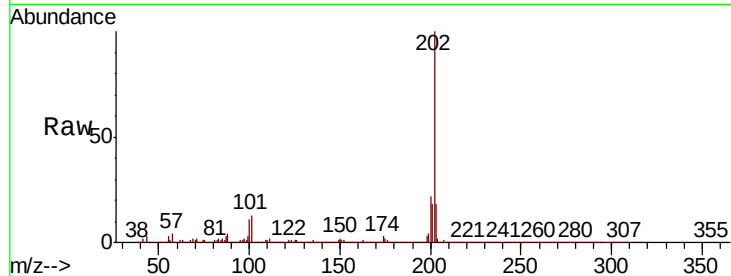




#80
 Pvrene
 Concen: 37.870 ng/ul
 RT: 19.57 min Scan# 2820
 Delta R.T. 0.00 min
 Lab File: BM023058.D
 Acq: 08 Oct 2019 22:48

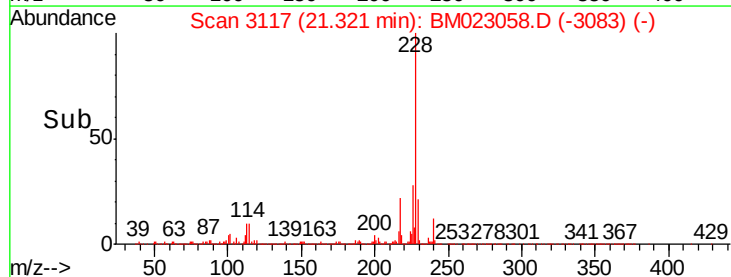
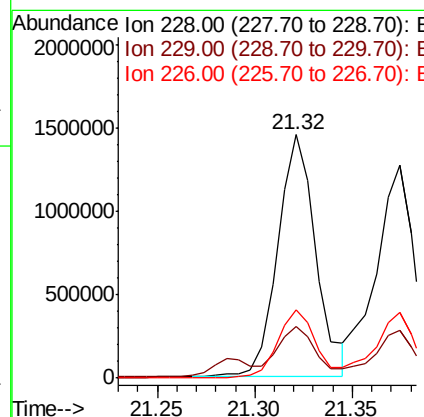
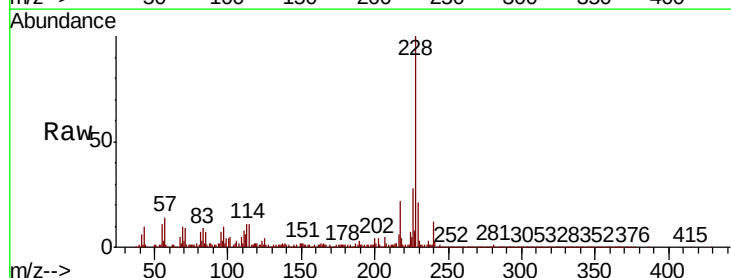
Instrument :
 BNA_M
 ClientSampleId :
 DBAJ5DL

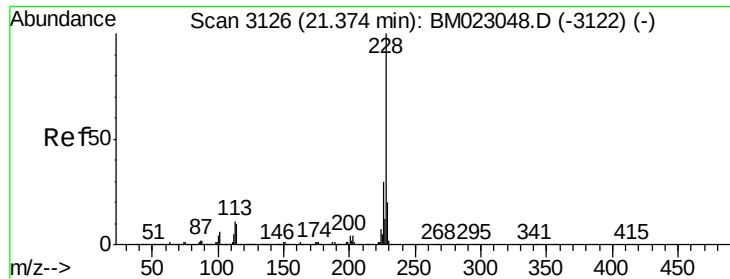
Tot Ion:202 Resp: 3465829
 Ion Ratio Lower Upper
 202 100
 101 13.1 9.7 14.5
 100 10.9 7.8 11.8



#83
 Benzo(a)anthracene
 Concen: 21.206 ng/ul
 RT: 21.32 min Scan# 3117
 Delta R.T. 0.00 min
 Lab File: BM023058.D
 Acq: 08 Oct 2019 22:48

Tgt Ion:228 Resp: 1965632
 Ion Ratio Lower Upper
 228 100
 229 21.2 15.8 23.8
 226 28.2 22.4 33.6



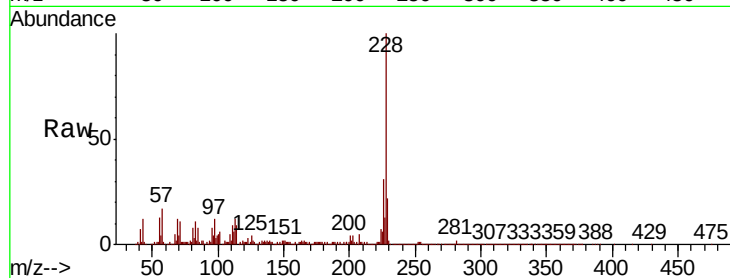


#85
 Chrysene
 Concen: 20.309 ng/ul
 RT: 21.37 min Scan# 3126
 Delta R.T. 0.00 min
 Lab File: BM023058.D
 Acq: 08 Oct 2019 22:48

Instrument :
 BNA_M
 ClientSampleId :
 DBAJ5DL

Tot Ion:228 Resp: 1735557

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.4
229	22.4	15.9	23.9

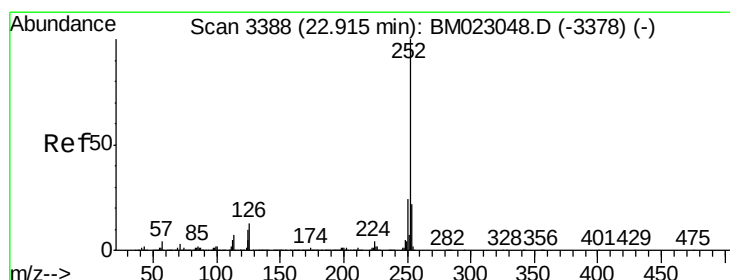
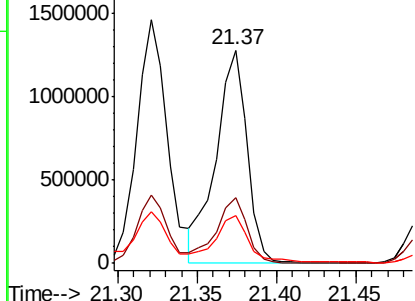
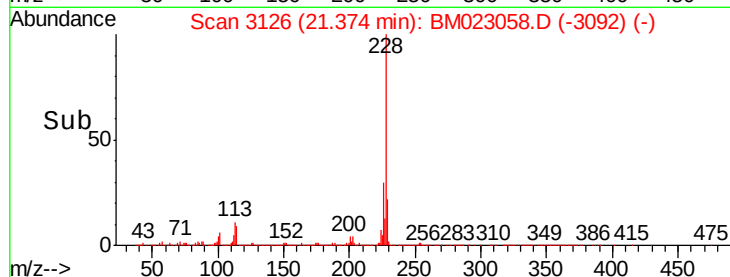


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

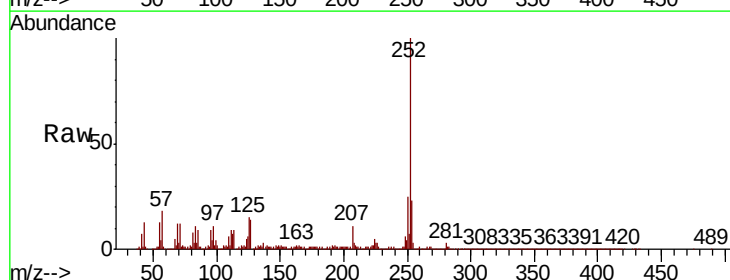
Ion 229.00 (228.70 to 229.70): E



#88
 Benzo(b)fluoranthene
 Concen: 23.786 ng/ul
 RT: 22.92 min Scan# 3388
 Delta R.T. 0.01 min
 Lab File: BM023058.D
 Acq: 08 Oct 2019 22:48

Tgt Ion:252 Resp: 2475614

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	14.5	8.2	12.2#

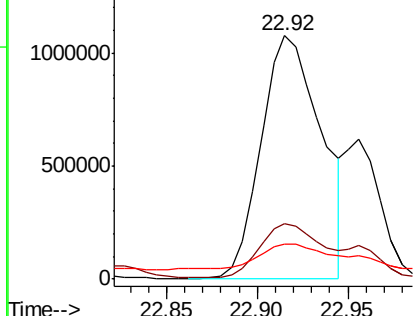
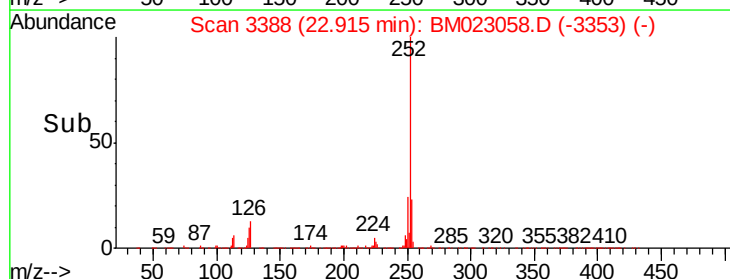


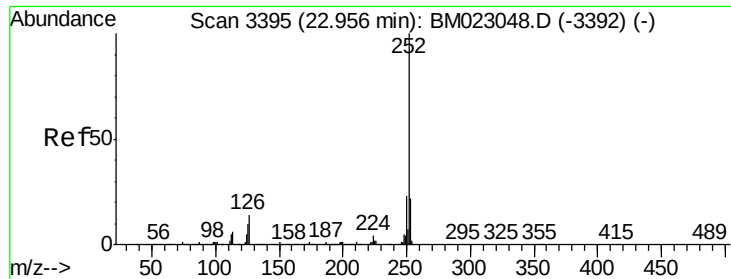
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 8.107 ng/ul

RT: 22.96 min Scan# 3395

Delta R.T. 0.00 min

Lab File: BM023058.D

Acq: 08 Oct 2019 22:48

Instrument :

BNA_M

ClientSampleId :

DBAJ5DL

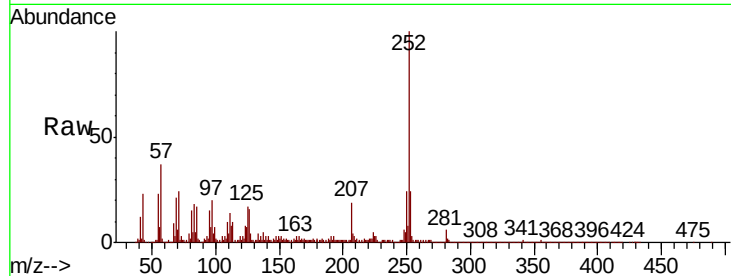
Tot Ion:252 Resp: 807195

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

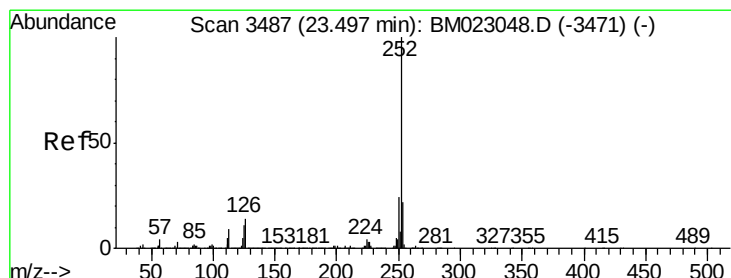
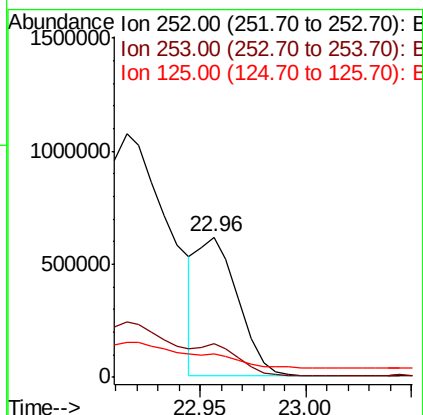
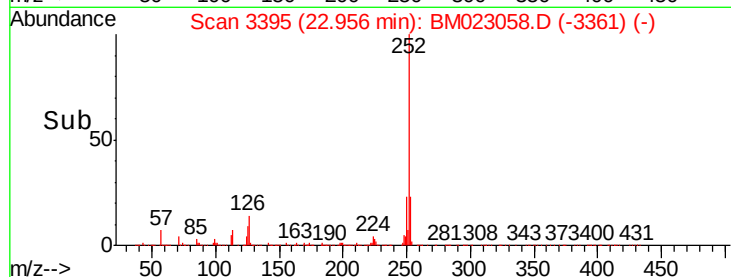
125 16.7 7.9 11.9#



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: 18.308 ng/ul

RT: 23.50 min Scan# 3487

Delta R.T. 0.01 min

Lab File: BM023058.D

Acq: 08 Oct 2019 22:48

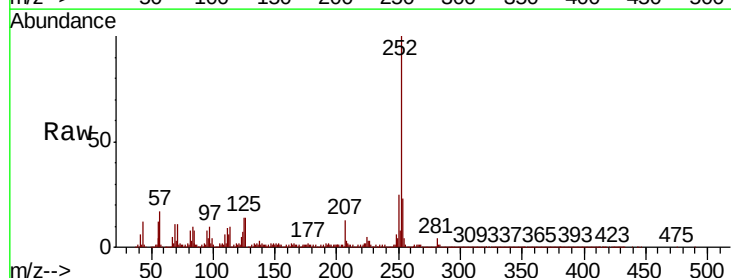
Tgt Ion:252 Resp: 1787677

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

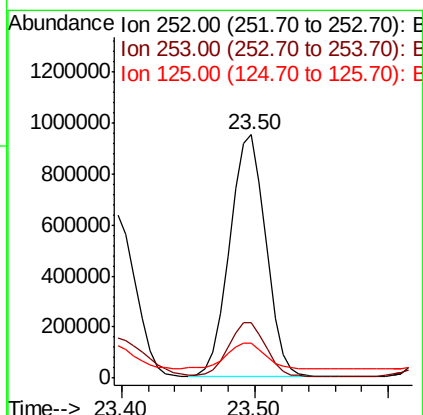
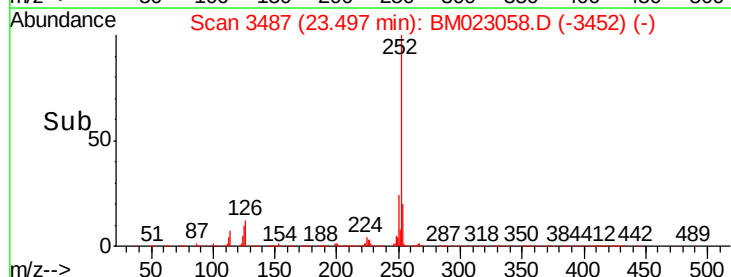
125 14.4 8.7 13.1#

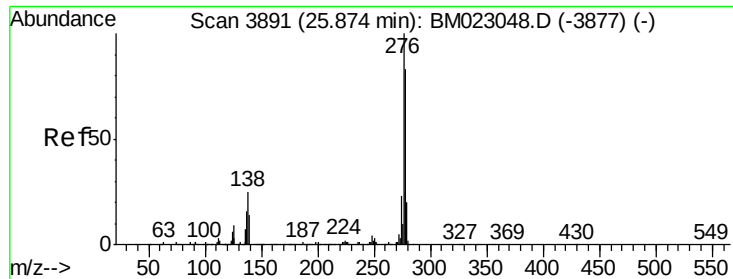


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



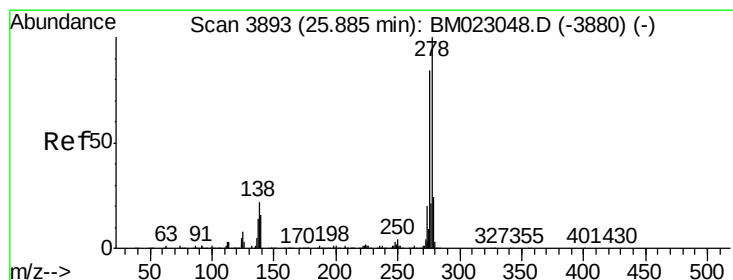
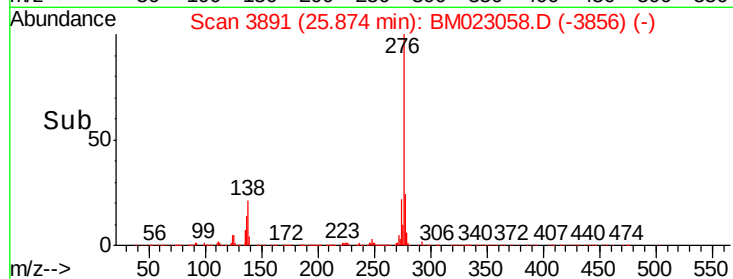
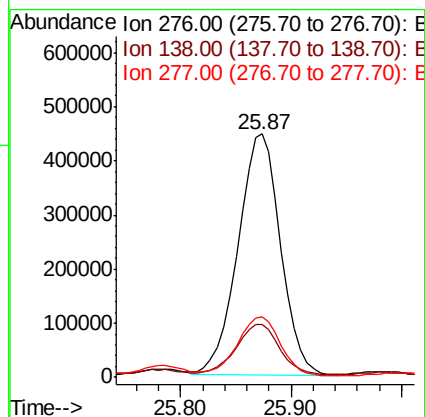
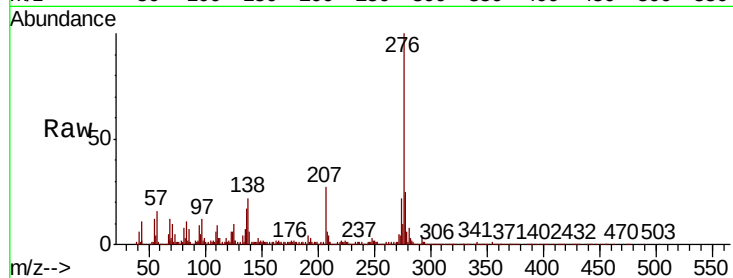


#92

Indeno(1,2,3-cd)pyrene
Concen: 11.637 ng/ul
RT: 25.87 min Scan# 3891
Delta R.T. 0.01 min
Lab File: BM023058.D
Acq: 08 Oct 2019 22:48

Instrument :
BNA_M
ClientSampleId :
DBAJ5DL

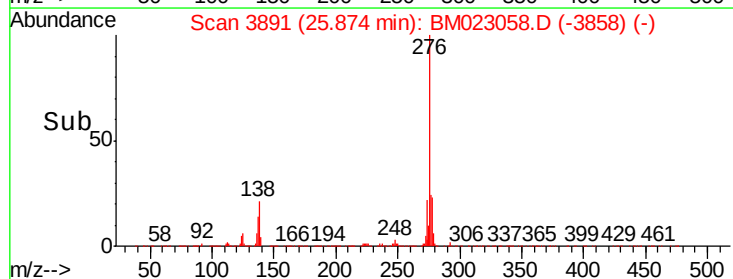
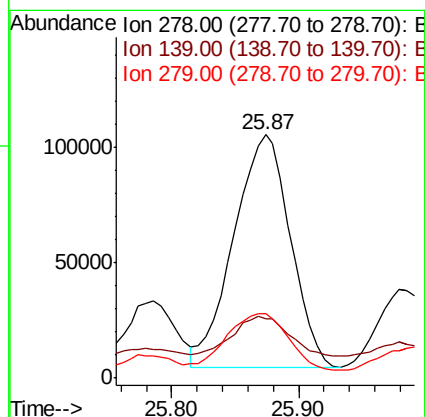
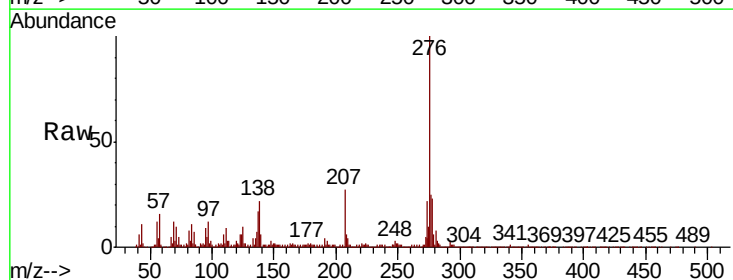
Tot Ion:276 Resp: 1206928
Ion Ratio Lower Upper
276 100
138 21.8 19.8 29.8
277 24.7 20.3 30.5

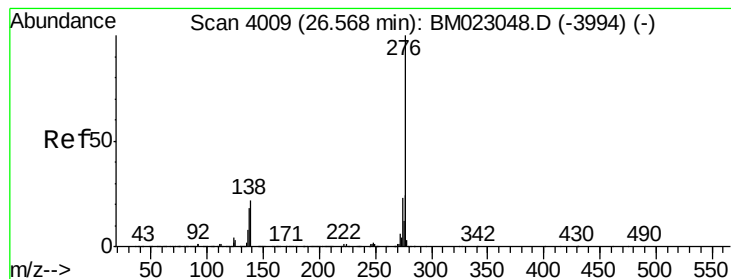


#93

Dibenzo(a,h)anthracene
Concen: 3.621 ng/ul
RT: 25.87 min Scan# 3891
Delta R.T. -0.01 min
Lab File: BM023058.D
Acq: 08 Oct 2019 22:48

Tgt Ion:278 Resp: 314203
Ion Ratio Lower Upper
278 100
139 24.4 13.2 19.8#
279 26.2 19.0 28.6





#94

Benzo(a,h,i)perylene

Concen: 13.502 ng/ul

RT: 26.57 min Scan# 4010

Delta R.T. 0.01 min

Lab File: BM023058.D

Acq: 08 Oct 2019 22:48

Instrument :

BNA_M

ClientSampleId :

DBAJ5DL

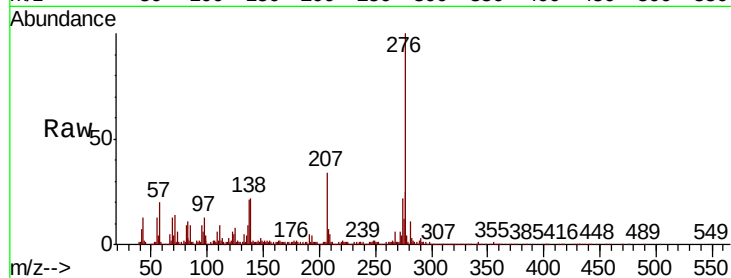
Tot Ion:276 Resp: 1129789

Ion Ratio Lower Upper

276 100

138 22.2 17.6 26.4

277 24.6 19.1 28.7



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

