

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102919\
 Data File : BM023451.D
 Acq On : 29 Oct 2019 20:08
 Operator : JU
 Sample : K5395-10DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 30 07:38:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 30 07:08:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	517387	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.40	136	2141789	20.00	ng/ul	-0.02
36) Acenaphthene-d10	14.27	164	1260577	20.00	ng/ul	-0.02
62) Phenanthrene-d10	17.02	188	2548106	20.00	ng/ul	-0.02
78) Chrysene-d12	21.22	240	2747041	20.00	ng/ul	-0.01
86) Perylene-d12	23.40	264	3285873	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	4726	0.43	ng/uL	0.00
5) Phenol-d5	6.80	99	64113	1.48	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.96	67	43954	1.73	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.16	132	52165	1.54	ng/ul	-0.01
13) 4-Methylphenol-d8	8.34	113	43667	1.24	ng/ul	-0.01
19) Nitrobenzene-d5	8.77	128	25606	1.59	ng/ul	-0.02
22) 2-Nitrophenol-d4	9.49	143	24511	1.37	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.03	165	43592	1.24	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.55	131	27203	0.67	ng/ul	-0.01
44) Dimethylphthalate-d6	13.69	166	156957	1.64	ng/ul	-0.02
47) Acenaphthylene-d8	13.96	160	172990	1.58	ng/ul	-0.02
52) 4-Nitrophenol-d4	14.50	143	7180	0.43	ng/ul	0.00
58) Fluorene-d10	15.27	176	137154	1.69	ng/ul	-0.02
63) 4,6-Dinitro-2-methylphenol	15.40	200	6814	0.43	ng/ul	-0.01
71) Anthracene-d10	17.12	188	210677	1.75	ng/ul	-0.02
79) Pyrene-d10	19.42	212	252221	1.67	ng/ul	-0.01
90) Benzo(a)pyrene-d12	23.27	264	288210	1.72	ng/ul	-0.02

Target Compounds

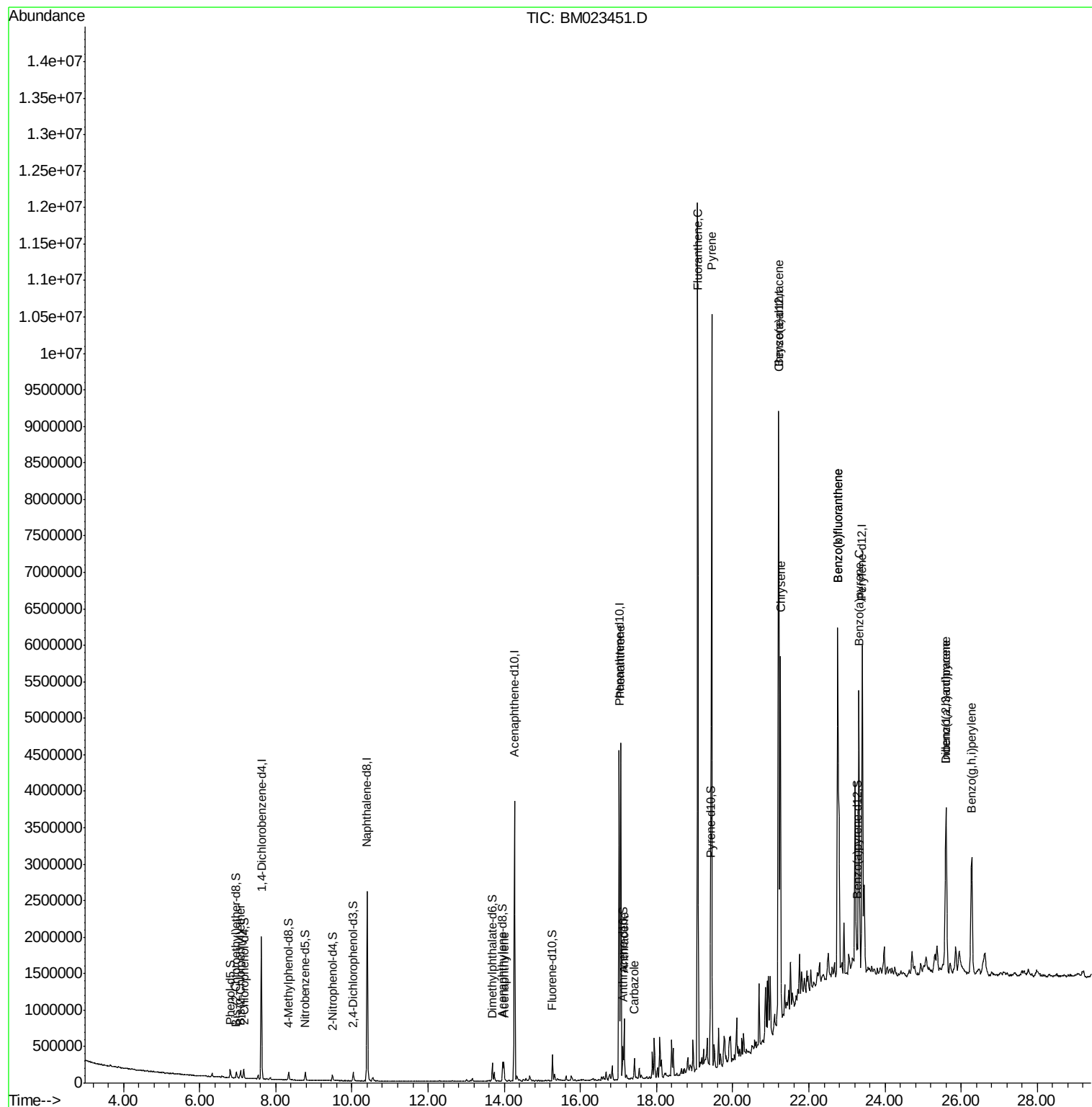
					Ovalue	
8) Bis(2-Chloroethyl)ether	7.07	93	44600	1.278	ng/ul#	23
48) Acenaphthylene	13.99	152	185872	1.635	ng/ul	96
70) Phenanthrene	17.06	178	2707691	19.015	ng/ul	99
72) Anthracene	17.15	178	528792	3.665	ng/ul	100
75) Carbazole	17.42	167	168877	1.388	ng/ul	99
77) Fluoranthene	19.09	202	7130597	48.007	ng/ul	100
80) Pyrene	19.44	202	6185992	31.890	ng/ul	99
83) Benzo(a)anthracene	21.20	228	3130268	17.038	ng/ul	98
85) Chrysene	21.25	228	2674458	15.777	ng/ul	99
88) Benzo(b)fluoranthene	22.76	252	4230011	20.044	ng/ul	98
89) Benzo(k)fluoranthene	22.76	252	4230011	21.346	ng/ul	98
91) Benzo(a)pyrene	23.31	252	2822068	14.771	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.60	276	2147408	10.380	ng/ul	97
93) Dibenzo(a,h)anthracene	25.60	278	480951	2.757	ng/ul#	84
94) Benzo(g,h,i)perylene	26.27	276	1998634	11.875	ng/ul	98

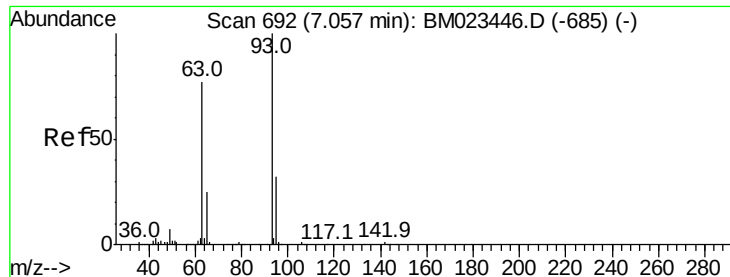
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 30 07:08:35 2019
Response via : Initial Calibration





#8

Bis(2-Chloroethyl)ether

Concen: 1.278 ng/ul

RT: 7.07 min Scan# 694

Delta R.T. -0.00 min

Lab File: BM023451.D

Acq: 29 Oct 2019 20:08

Instrument :

BNA_M

ClientSampleId :

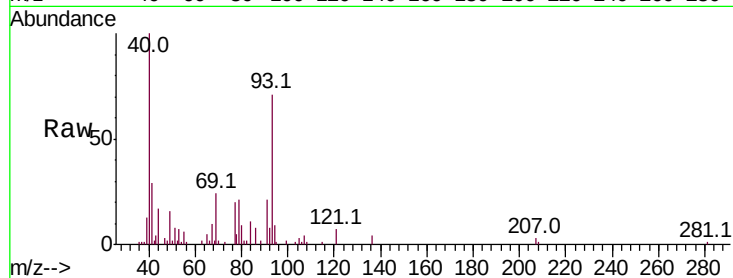
Tot Ion: 93 Resp: 44600

Ion Ratio Lower Upper

93 100

63 2.4 61.4 92.0#

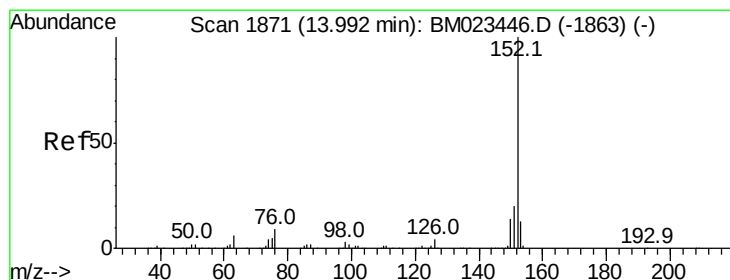
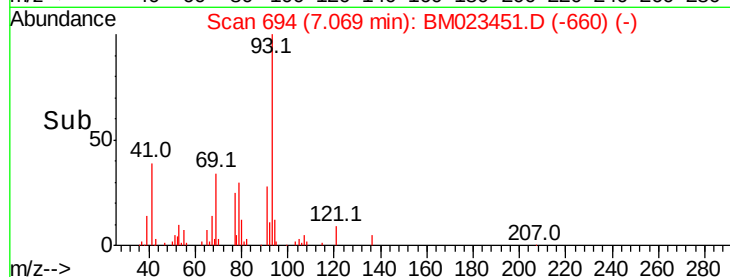
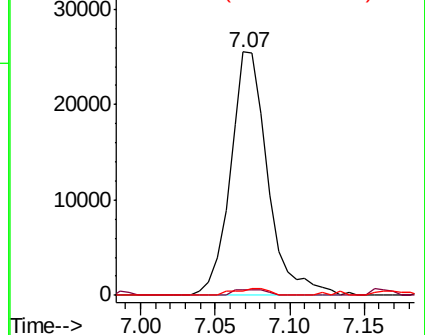
95 2.0 26.1 39.1#



Abundance Ion 93.00 (92.70 to 93.70): BM023446.D (-685) (-)

Ion 63.00 (62.70 to 63.70): BM023446.D (-685) (-)

Ion 95.00 (94.70 to 95.70): BM023446.D (-685) (-)



#48

Acenaphthylene

Concen: 1.635 ng/ul

RT: 13.99 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BM023451.D

Acq: 29 Oct 2019 20:08

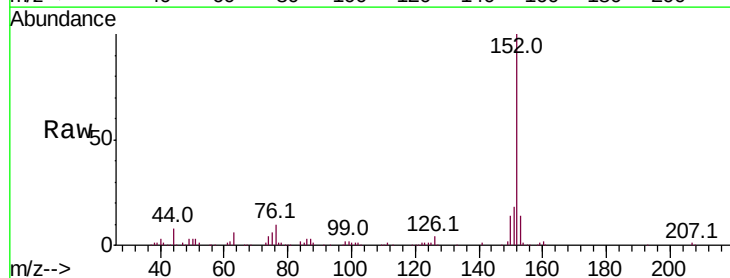
Tgt Ion: 152 Resp: 185872

Ion Ratio Lower Upper

152 100

151 18.3 16.2 24.2

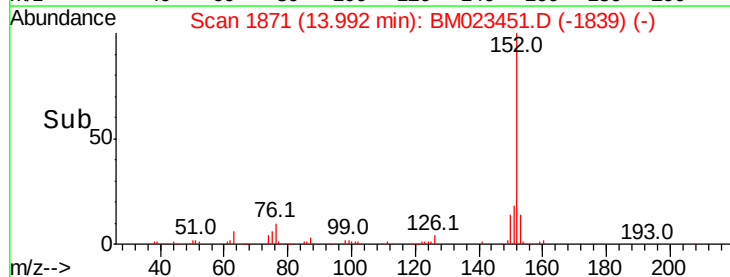
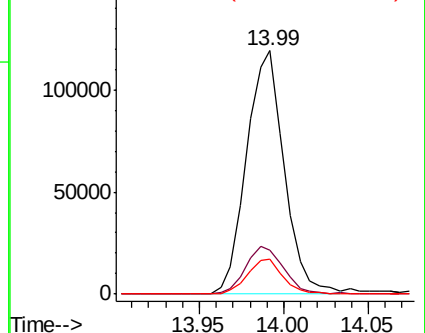
153 14.4 10.4 15.6

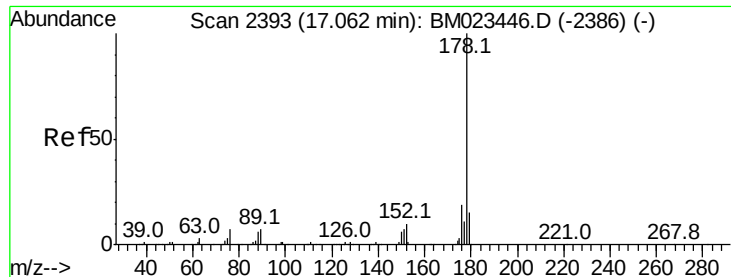


Abundance Ion 152.00 (151.70 to 152.70): BM023446.D (-1863) (-)

Ion 151.00 (150.70 to 151.70): BM023446.D (-1863) (-)

Ion 153.00 (152.70 to 153.70): BM023446.D (-1863) (-)





#70

Phenanthrene

Concen: 19.015 ng/ul

RT: 17.06 min Scan# 2392

Delta R.T. -0.02 min

Lab File: BM023451.D

Acq: 29 Oct 2019 20:08

Instrument :

BNA_M

ClientSampleId :

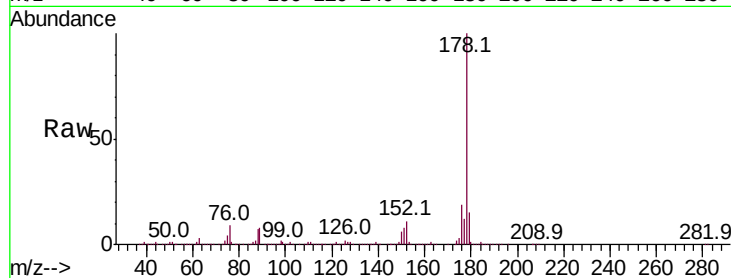
Tot Ion:178 Resp: 2707691

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.2

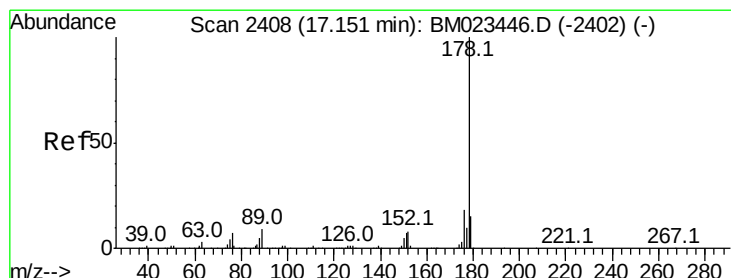
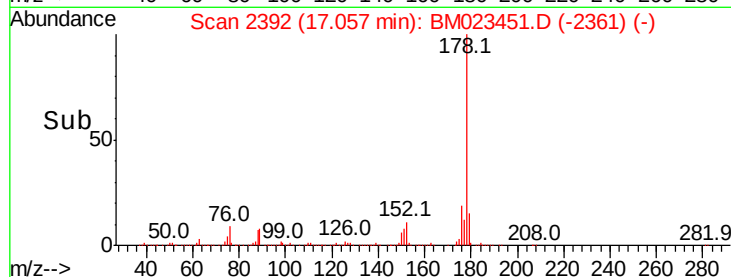
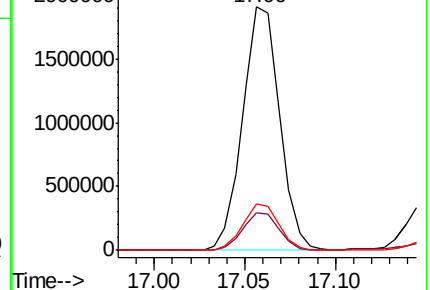
176 19.2 14.9 22.3



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: 3.665 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. -0.02 min

Lab File: BM023451.D

Acq: 29 Oct 2019 20:08

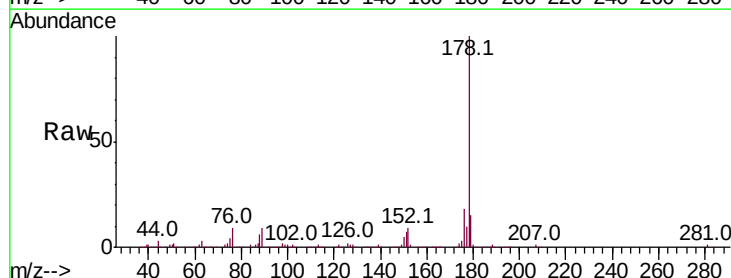
Tgt Ion:178 Resp: 528792

Ion Ratio Lower Upper

178 100

179 15.1 12.1 18.1

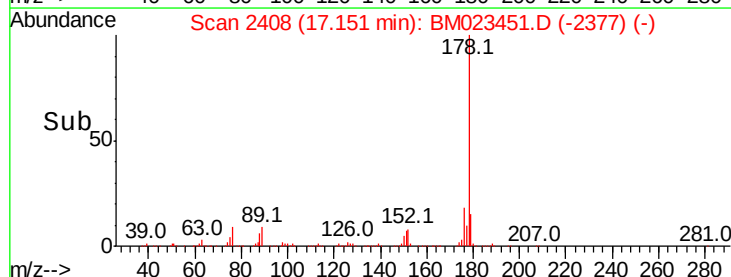
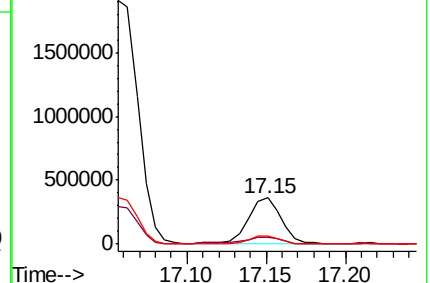
176 17.9 14.4 21.6

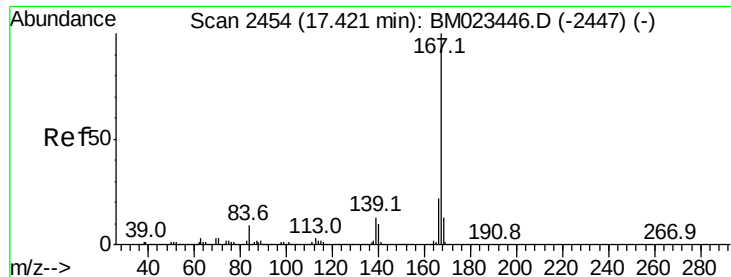


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.388 ng/ul

RT: 17.42 min Scan# 2454

Delta R.T. -0.01 min

Lab File: BM023451.D

Acq: 29 Oct 2019 20:08

Instrument :

BNA_M

ClientSampleId :

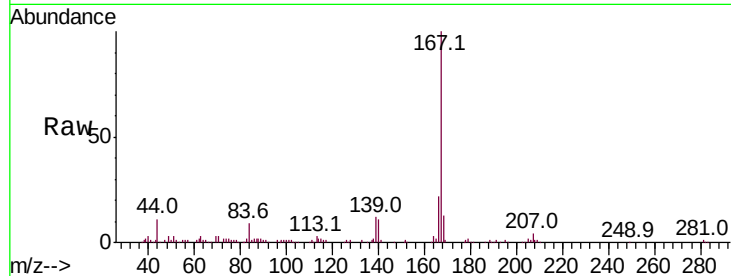
Tot Ion:167 Resp: 168877

Ion Ratio Lower Upper

167 100

166 22.3 17.1 25.7

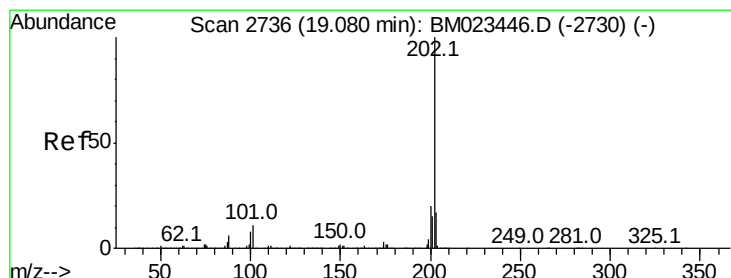
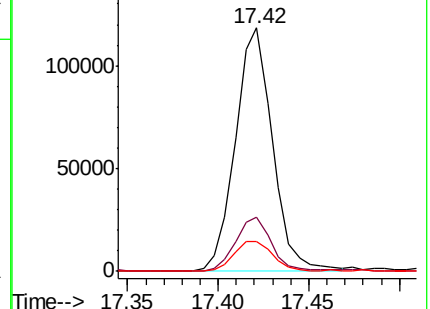
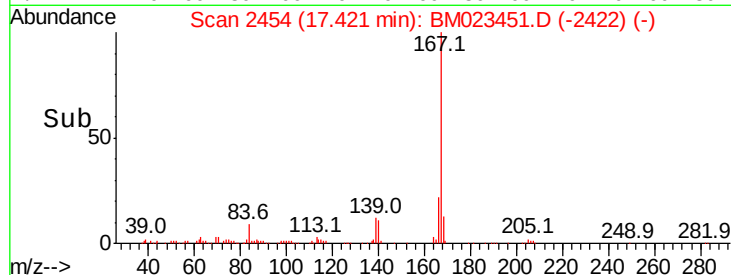
139 12.4 10.0 15.0



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: 48.007 ng/ul

RT: 19.09 min Scan# 2737

Delta R.T. -0.01 min

Lab File: BM023451.D

Acq: 29 Oct 2019 20:08

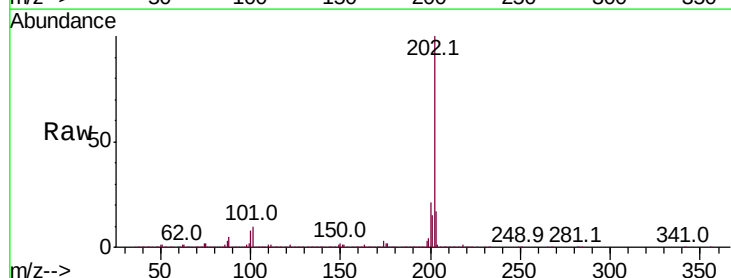
Tgt Ion:202 Resp: 7130597

Ion Ratio Lower Upper

202 100

101 10.0 8.1 12.1

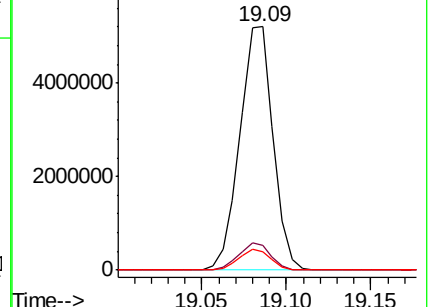
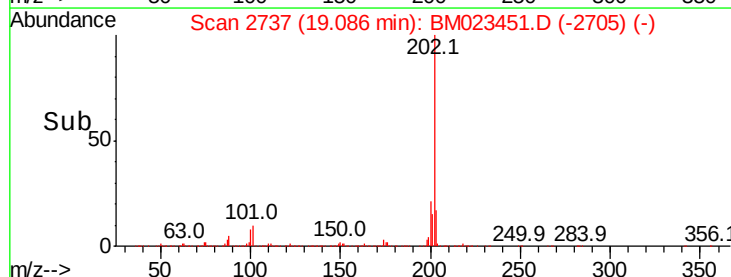
100 7.7 6.2 9.2

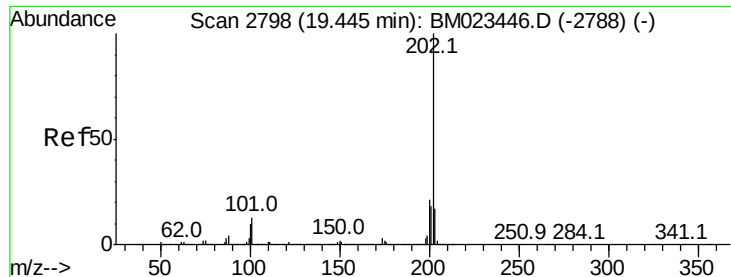


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



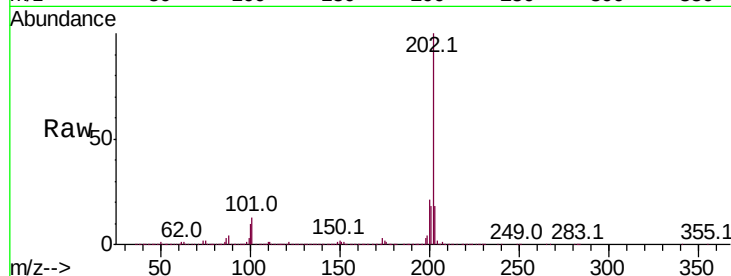


#80
 Pvrene
 Concen: 31.890 ng/ul
 RT: 19.44 min Scan# 2798
 Delta R.T. -0.01 min
 Lab File: BM023451.D
 Acq: 29 Oct 2019 20:08

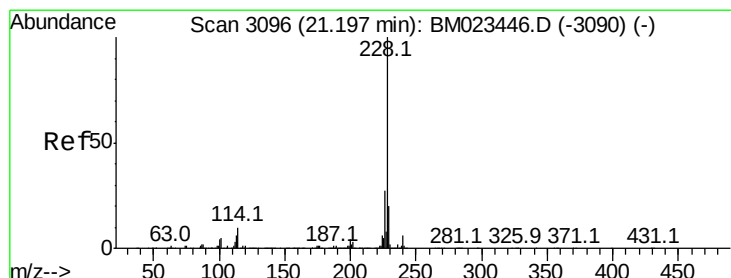
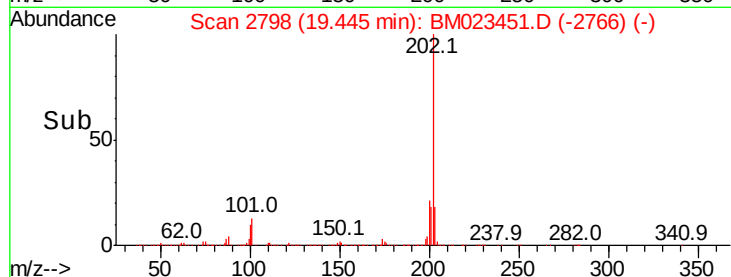
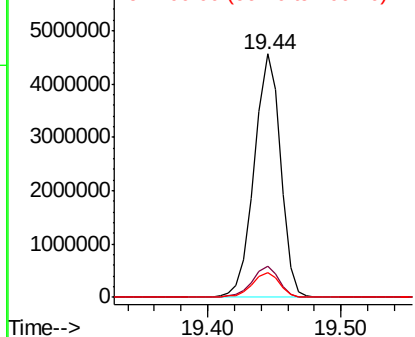
Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp: 6185992

Ion	Ratio	Lower	Upper
202	100		
101	12.8	10.0	15.0
100	10.3	8.3	12.5



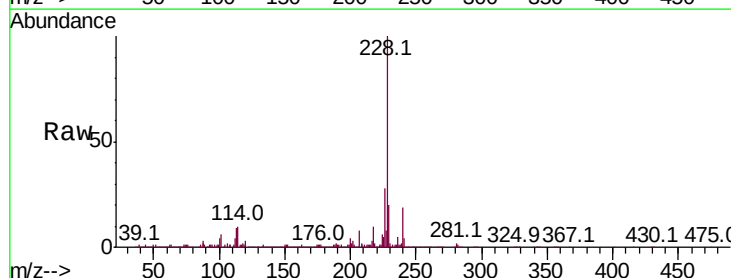
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B



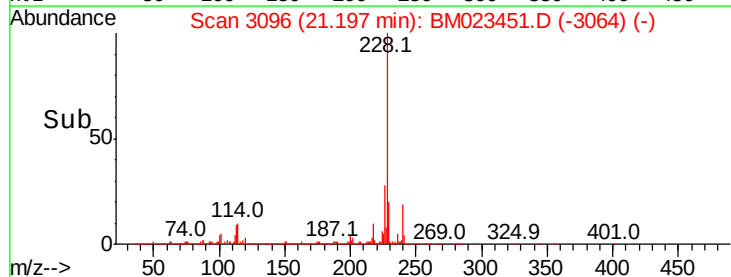
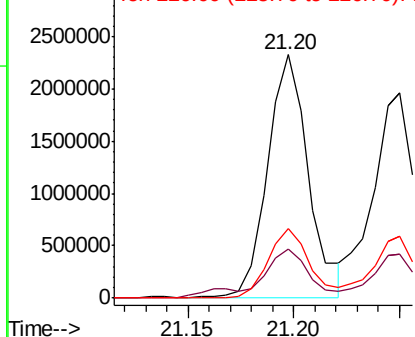
#83
 Benzo(a)anthracene
 Concen: 17.038 ng/ul
 RT: 21.20 min Scan# 3096
 Delta R.T. -0.01 min
 Lab File: BM023451.D
 Acq: 29 Oct 2019 20:08

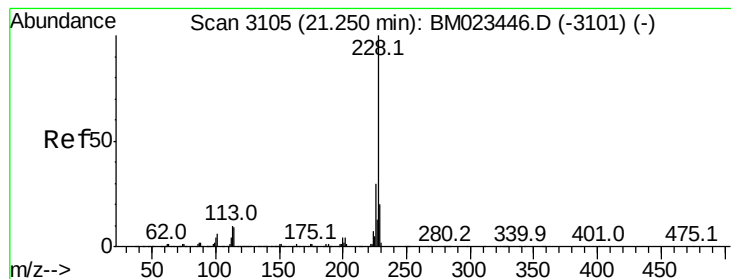
Tgt Ion:228 Resp: 3130268

Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.8	23.8
226	28.3	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





#85

Chrysene

Concen: 15.777 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM023451.D

Acq: 29 Oct 2019 20:08

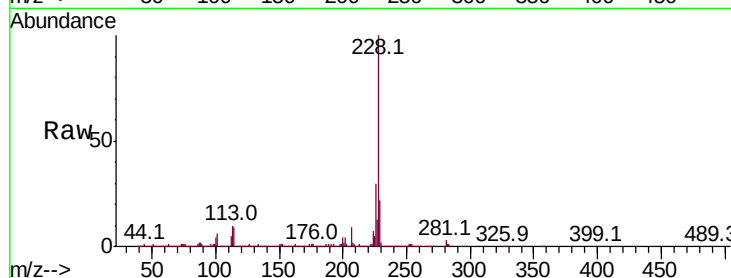
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 2674458

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	21.6	16.0	24.0

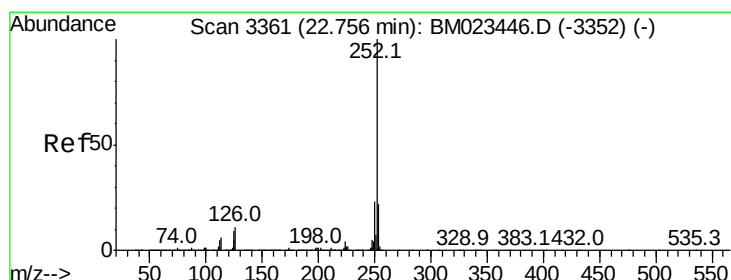
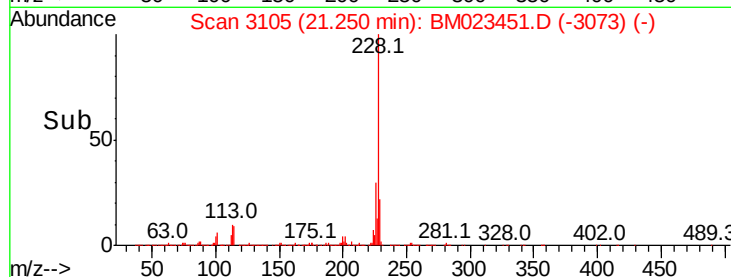
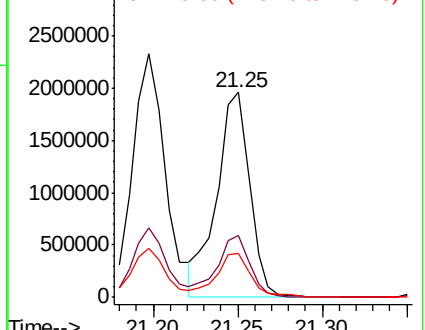


Abundance

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: 20.044 ng/ul

RT: 22.76 min Scan# 3361

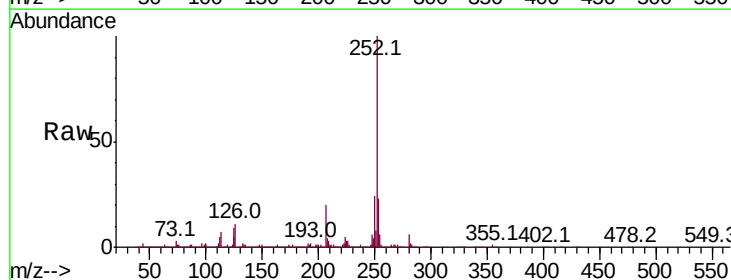
Delta R.T. -0.01 min

Lab File: BM023451.D

Acq: 29 Oct 2019 20:08

Tgt Ion:252 Resp: 4230011

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	9.3	7.1	10.7

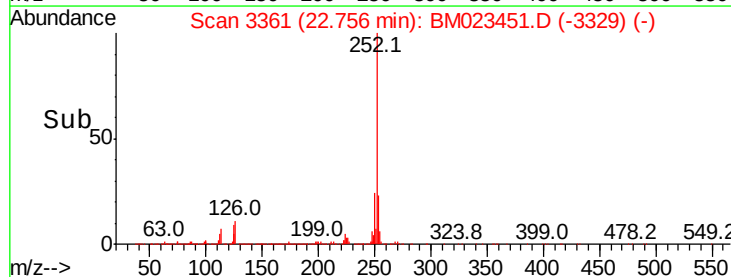
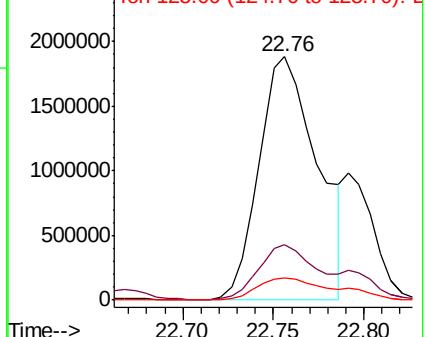


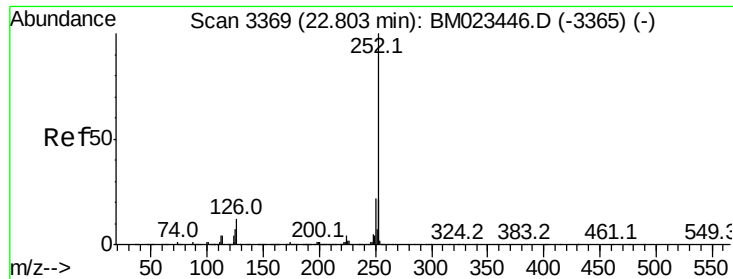
Abundance

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: 21.346 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.06 min

Lab File: BM023451.D

Acq: 29 Oct 2019 20:08

Instrument :

BNA_M

ClientSampled :

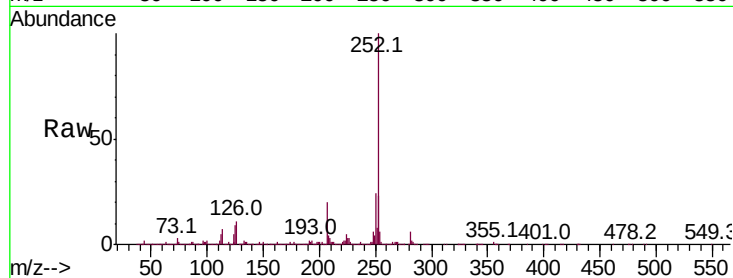
Tot Ion:252 Resp: 4230011

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

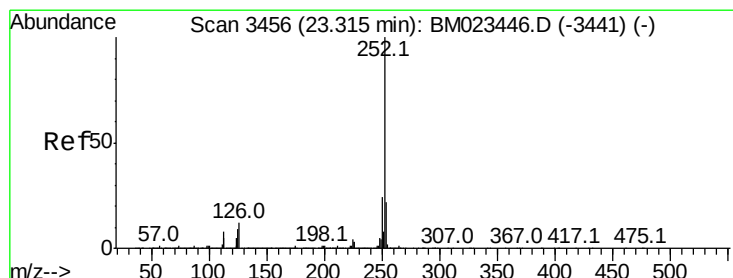
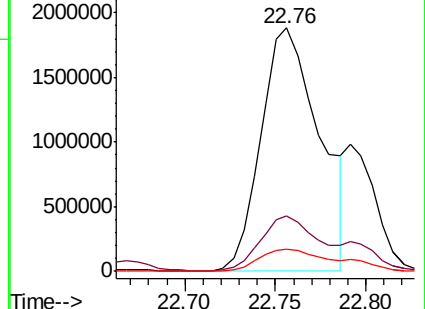
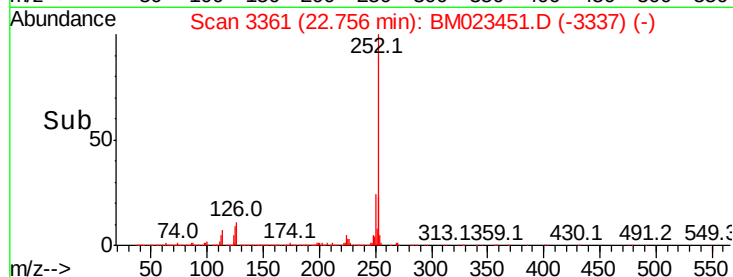
125 9.3 6.8 10.2



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: 14.771 ng/ul

RT: 23.31 min Scan# 3455

Delta R.T. -0.02 min

Lab File: BM023451.D

Acq: 29 Oct 2019 20:08

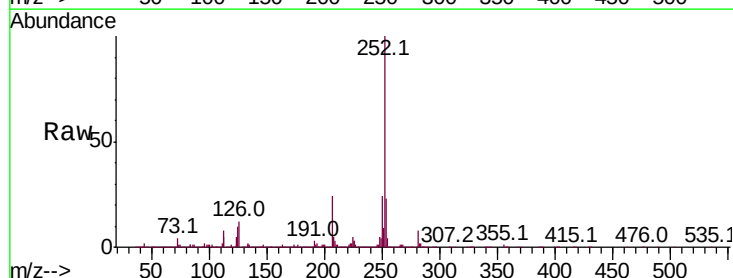
Tgt Ion:252 Resp: 2822068

Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

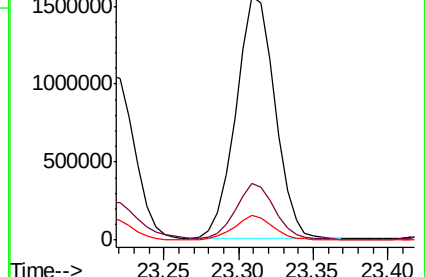
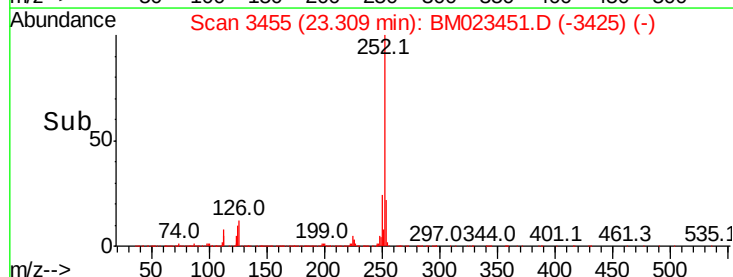
125 9.9 7.5 11.3

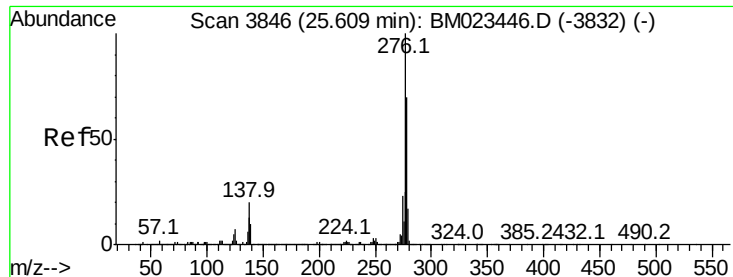


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



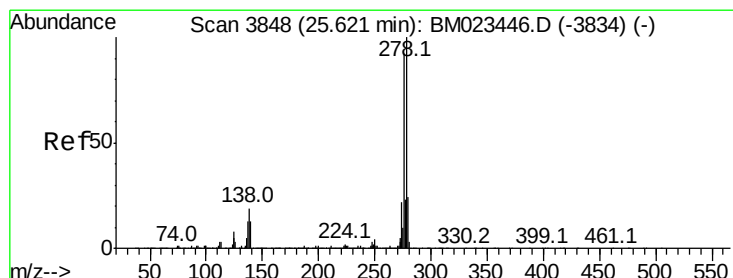
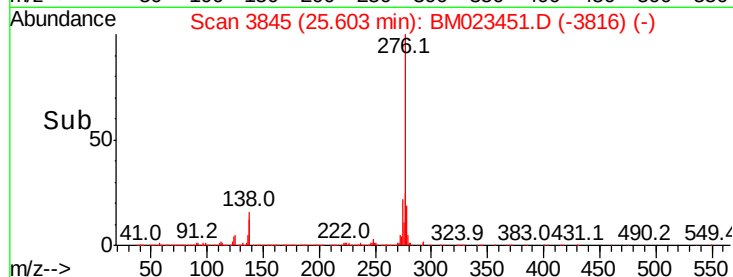
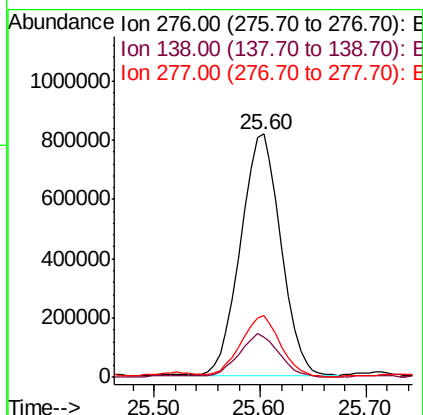
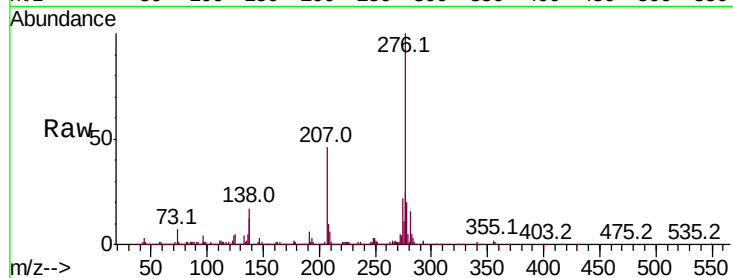


#92

Indeno(1,2,3-cd)pyrene
Concen: 10.380 ng/ul
RT: 25.60 min Scan# 3845
Delta R.T. -0.03 min
Lab File: BM023451.D
Acq: 29 Oct 2019 20:08

Instrument :
BNA_M
ClientSampled :

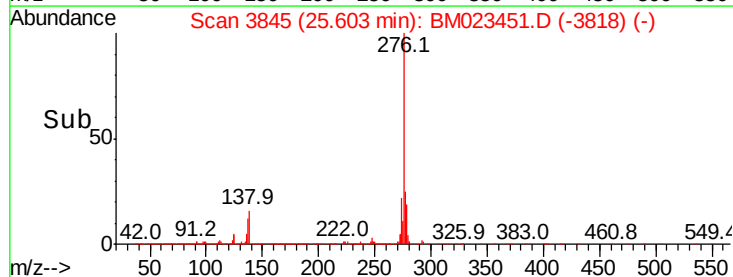
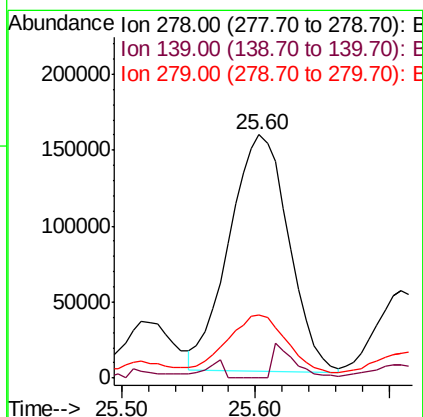
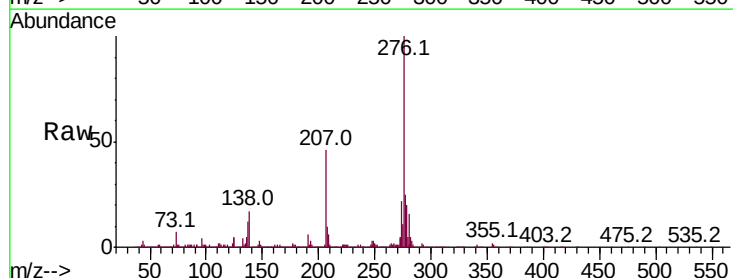
Tot Ion:276 Resp: 2147408
Ion Ratio Lower Upper
276 100
138 16.6 15.7 23.5
277 25.2 20.2 30.2

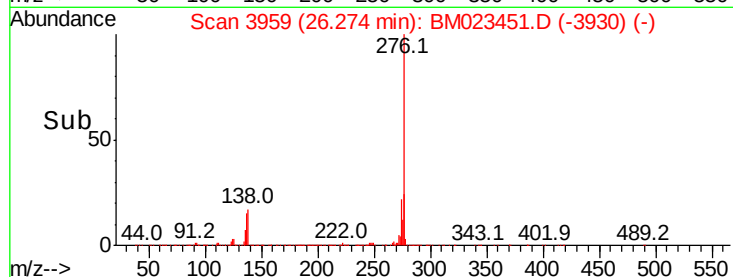
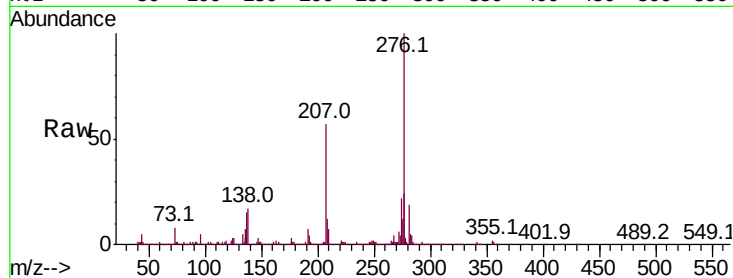
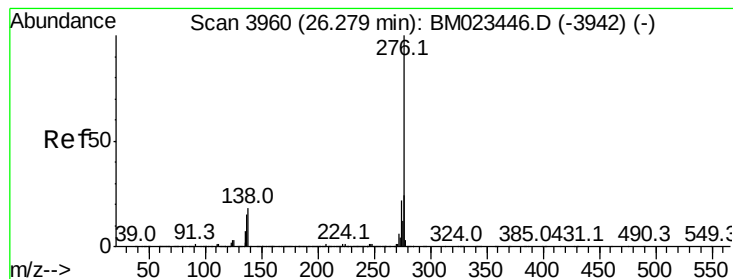


#93

Dibenzo(a,h)anthracene
Concen: 2.757 ng/ul
RT: 25.60 min Scan# 3845
Delta R.T. -0.04 min
Lab File: BM023451.D
Acq: 29 Oct 2019 20:08

Tgt Ion:278 Resp: 480951
Ion Ratio Lower Upper
278 100
139 0.0 10.9 16.3#
279 26.1 18.7 28.1





#94

Benzo(a,h,i)perylene

Concen: 11.875 ng/ul

RT: 26.27 min Scan# 3959

Delta R.T. -0.03 min

Lab File: BM023451.D

Acq: 29 Oct 2019 20:08

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 1998634

Ion Ratio Lower Upper

276 100

138 17.0 14.4 21.6

277 24.3 19.0 28.6

