

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
 Data File : BM023018.D
 Acq On : 06 Oct 2019 09:29
 Operator : JU
 Sample : K5057-09
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 06 23:37:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 04 16:45:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	286865	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	1097763	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.42	164	572609	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.16	188	1006418	20.00	ng/ul	0.00
78) Chrysene-d12	21.35	240	962030	20.00	ng/ul	0.00
86) Perylene-d12	23.61	264	1216169	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	18673	2.82	ng/uL	0.00
5) Phenol-d5	6.95	99	325961	12.86	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.12	67	198230	14.29	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.32	132	279482	13.69	ng/ul	-0.01
13) 4-Methylphenol-d8	8.49	113	257272	12.40	ng/ul	-0.02
19) Nitrobenzene-d5	8.94	128	126858	14.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	129080	13.95	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.19	165	250632	13.61	ng/ul	-0.02
29) 4-Chloroaniline-d4	10.70	131	259319	11.59	ng/ul	-0.01
44) Dimethylphthalate-d6	13.83	166	675128	15.19	ng/ul	-0.01
47) Acenaphthylene-d8	14.11	160	801583	15.62	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.62	143	61370	6.99	ng/ul	-0.01
58) Fluorene-d10	15.41	176	570566	15.06	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.53	200	48875	7.46	ng/ul	-0.01
71) Anthracene-d10	17.26	188	792930	16.13	ng/ul	-0.01
79) Pyrene-d10	19.55	212	854020	16.49	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.47	264	1031954	16.40	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	6.98	94	51125	1.924	ng/ul 98
28) Naphthalene	10.62	128	964264	16.265	ng/ul 100
30) 4-Chloroaniline	10.62	127	122911	5.215	ng/ul# 5
34) 2-Methylnaphthalene	12.23	142	205635	4.626	ng/ul 98
35) 1-Methylnaphthalene	12.46	142	122842	2.894	ng/ul 100
41) 1,1'-Biphenyl	13.25	154	49344	1.052	ng/ul 98
45) Dimethylphthalate	13.87	163	196536	4.305	ng/ul 99
50) Acenaphthene	14.49	153	854282	22.140	ng/ul 99
54) Dibenzofuran	14.82	168	548799	9.958	ng/ul 99
59) Fluorene	15.47	166	877758	19.710	ng/ul 100
70) Phenanthrene	17.21	178	6091121	101.409	ng/ul 98
72) Anthracene	17.29	178	1834505	29.974	ng/ul 100
75) Carbazole	17.56	167	891709	16.393	ng/ul 99
77) Fluoranthene	19.23	202	6761525	100.090	ng/ul 99
80) Pyrene	19.59	202	5621133	82.426	ng/ul 97
83) Benzo(a)anthracene	21.33	228	3109350	45.018	ng/ul 98
85) Chrysene	21.39	228	2953936	46.386	ng/ul 97
88) Benzo(b)fluoranthene	22.94	252	4179129	51.781	ng/ul# 94
89) Benzo(k)fluoranthene	22.94	252	4179129	54.124	ng/ul# 94
91) Benzo(a)pyrene	23.52	252	3076807	40.635	ng/ul# 95
92) Indeno(1,2,3-cd)pyrene	25.90	276	2132634	26.517	ng/ul 97
93) Dibenzo(a,h)anthracene	25.90	278	558724	8.305	ng/ul# 86
94) Benzo(g,h,i)perylene	26.61	276	2005287	30.905	ng/ul 98

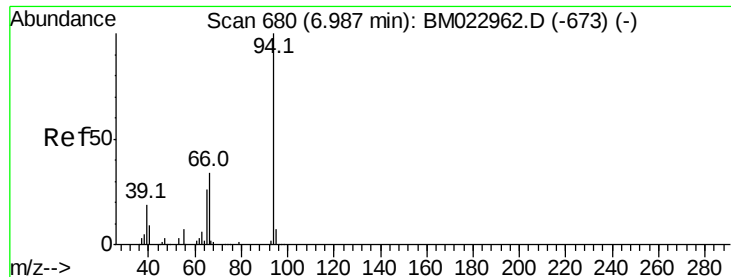
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
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QLast Update : Fri Oct 04 16:45:59 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



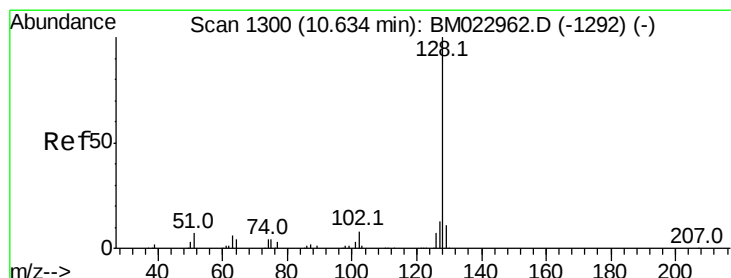
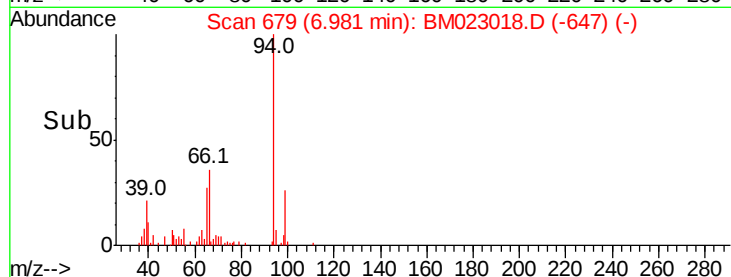
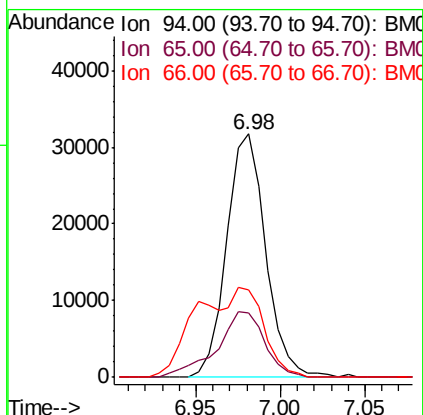
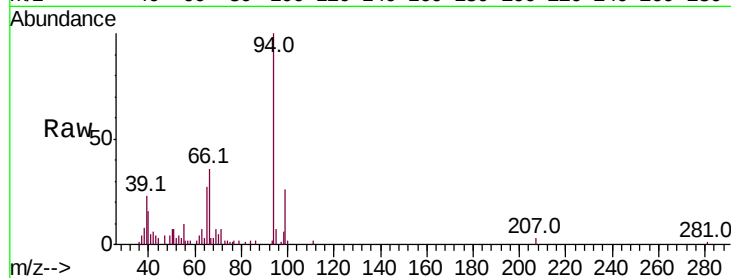
#6

Phenol

Concen: 1.924 ng/ul
 RT: 6.98 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: BM023018.D
 Acq: 06 Oct 2019 09:29

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion: 94 Resp: 51125
 Ion Ratio Lower Upper
 94 100
 65 26.5 20.9 31.3
 66 35.8 27.2 40.8

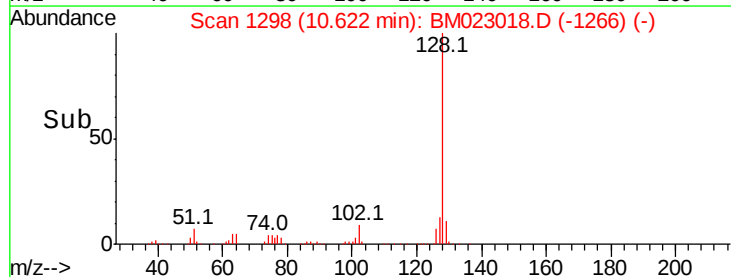
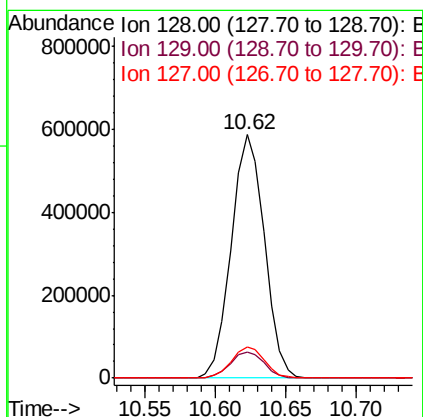
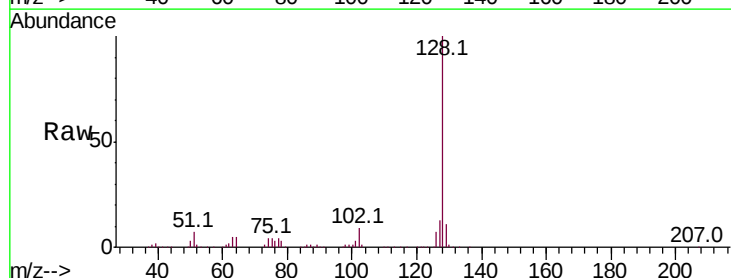


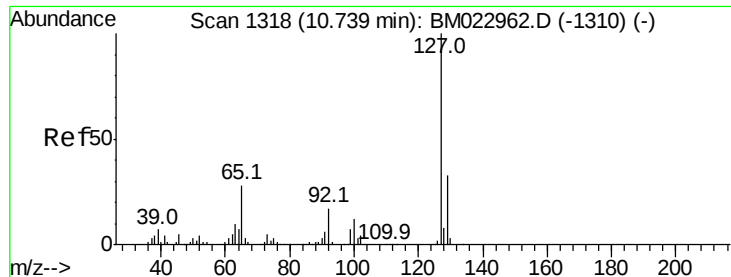
#28

Naphthalene

Concen: 16.265 ng/ul
 RT: 10.62 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BM023018.D
 Acq: 06 Oct 2019 09:29

Tgt Ion: 128 Resp: 964264
 Ion Ratio Lower Upper
 128 100
 129 10.9 8.6 13.0
 127 12.7 10.2 15.4





#30

4-Chloroaniline

Concen: 5.215 ng/ul

RT: 10.62 min Scan# 1298

Delta R.T. -0.12 min

Lab File: BM023018.D

Acq: 06 Oct 2019 09:29

Instrument :

BNA_M

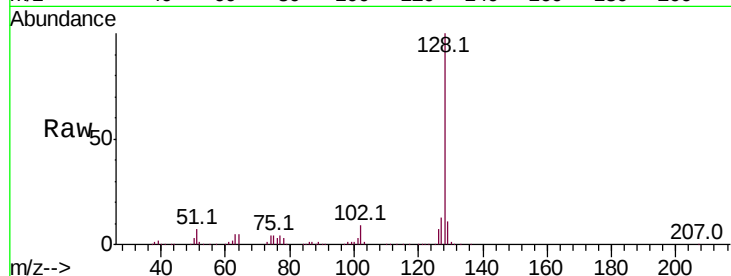
ClientSampleId :

Tot Ion:127 Resp: 122911

Ion Ratio Lower Upper

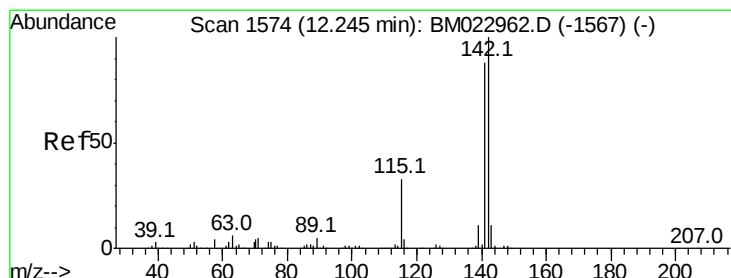
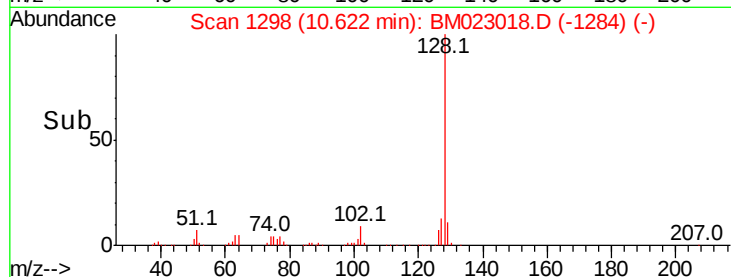
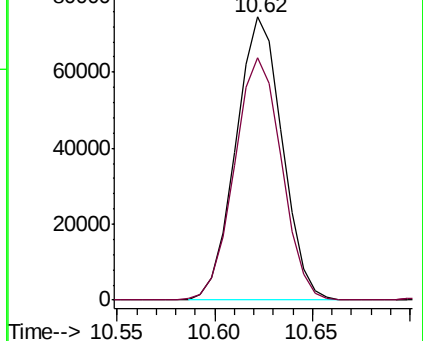
127 100

129 85.9 26.0 39.0#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



#34

2-Methylnaphthalene

Concen: 4.626 ng/ul

RT: 12.23 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BM023018.D

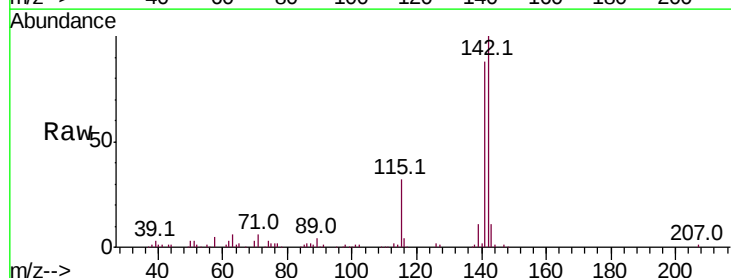
Acq: 06 Oct 2019 09:29

Tgt Ion:142 Resp: 205635

Ion Ratio Lower Upper

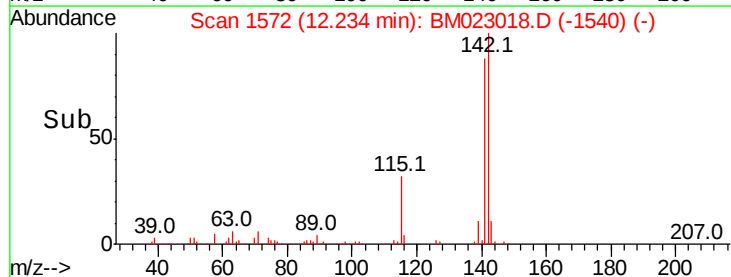
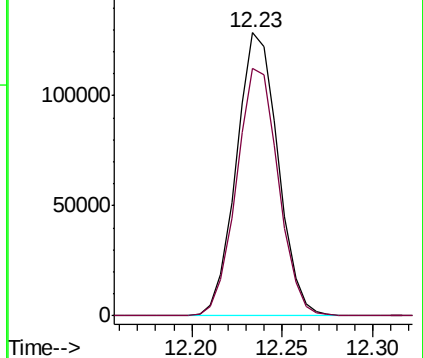
142 100

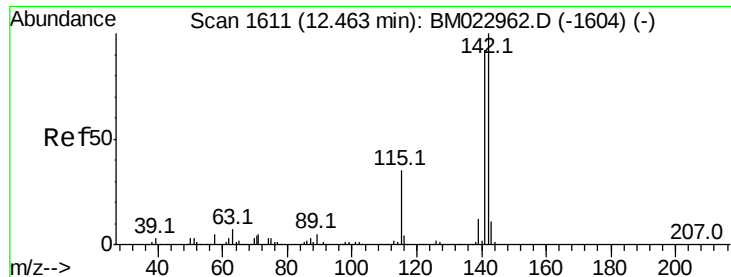
141 87.5 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

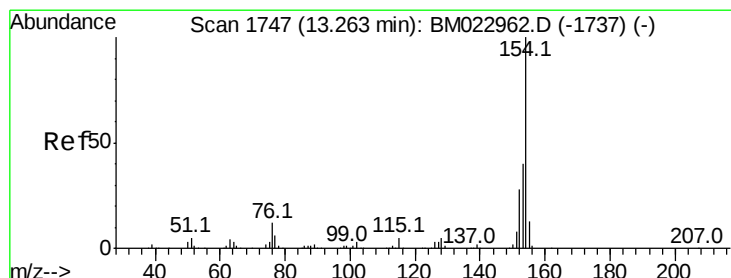
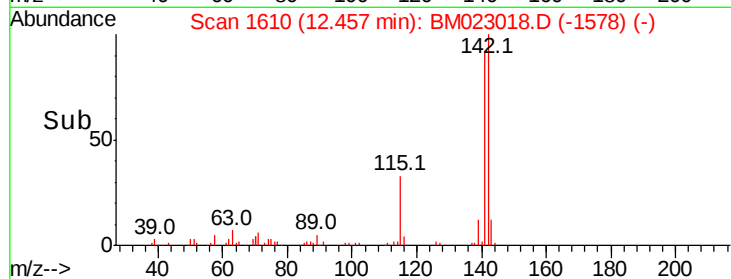
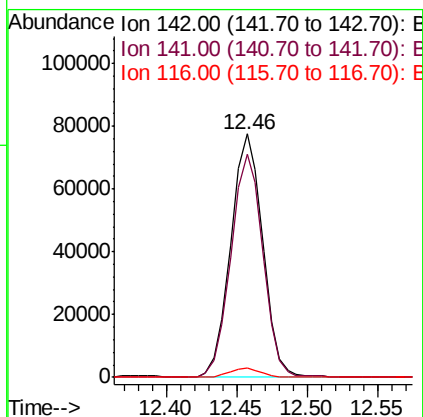
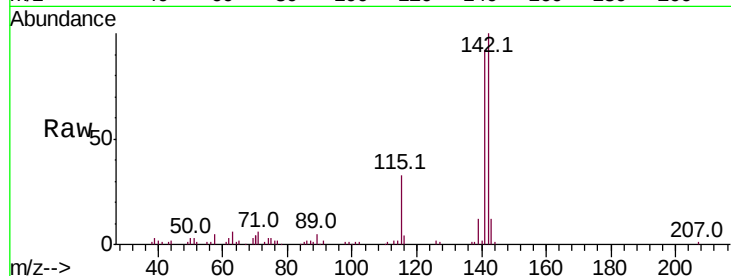




#35
 1-Methylnaphthalene
 Concen: 2.894 ng/ul
 RT: 12.46 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BM023018.D
 Acq: 06 Oct 2019 09:29

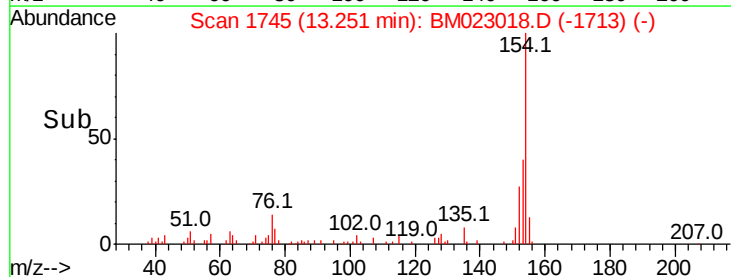
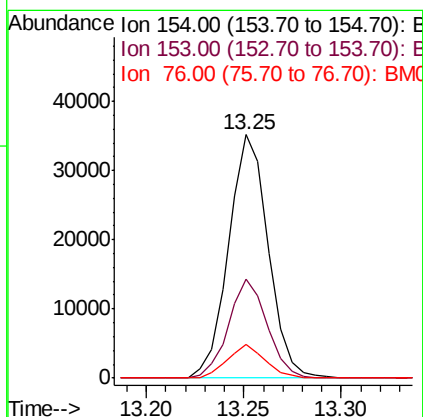
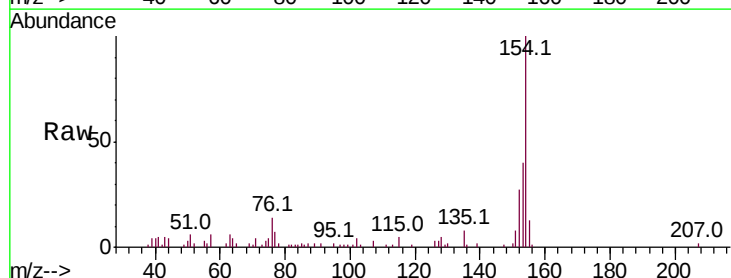
Instrument :
 BNA_M
 ClientSampled :

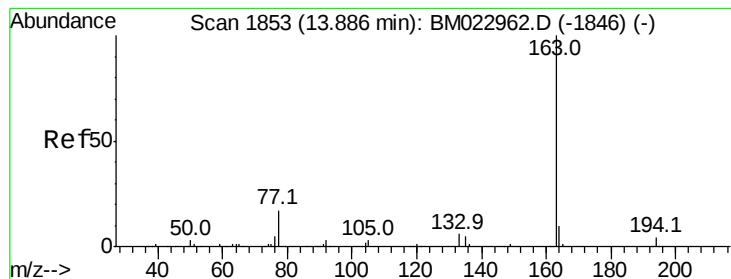
Tot Ion:142 Resp: 122842
 Ion Ratio Lower Upper
 142 100
 141 91.7 73.0 109.6
 116 3.6 2.9 4.3



#41
 1,1'-Biphenyl
 Concen: 1.052 ng/ul
 RT: 13.25 min Scan# 1745
 Delta R.T. -0.01 min
 Lab File: BM023018.D
 Acq: 06 Oct 2019 09:29

Tgt Ion:154 Resp: 49344
 Ion Ratio Lower Upper
 154 100
 153 40.4 31.8 47.6
 76 14.0 9.6 14.4





#45

Dimethylphthalate

Concen: 4.305 ng/ul

RT: 13.87 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BM023018.D

Acq: 06 Oct 2019 09:29

Instrument :

BNA_M

ClientSampled :

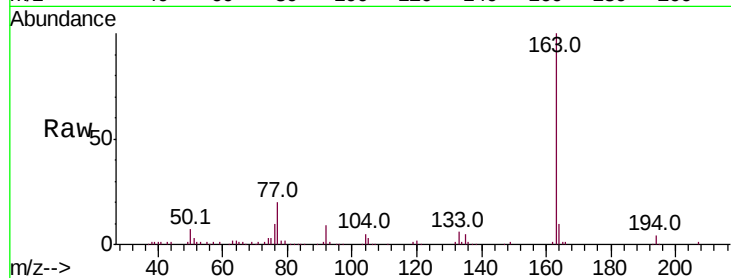
Tot Ion:163 Resp: 196536

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

164 9.7 8.1 12.1

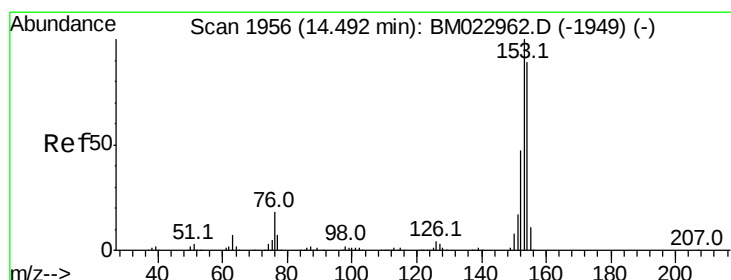
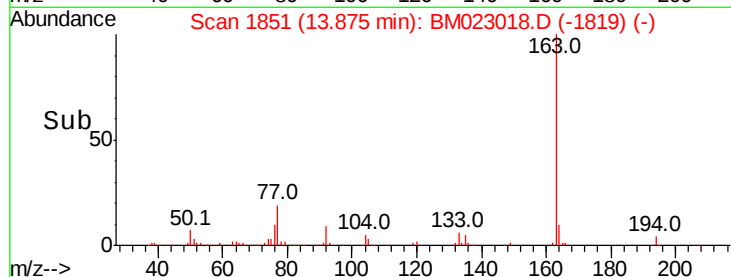
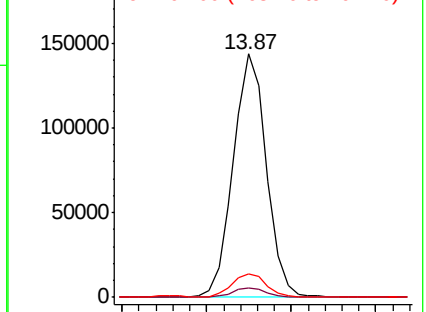


Abundance

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: 22.140 ng/ul

RT: 14.49 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BM023018.D

Acq: 06 Oct 2019 09:29

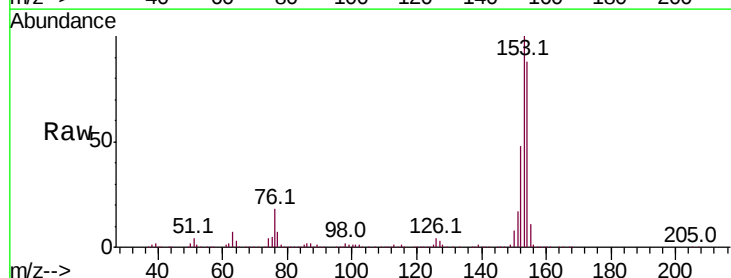
Tgt Ion:153 Resp: 854282

Ion Ratio Lower Upper

153 100

152 47.5 38.1 57.1

154 87.9 71.1 106.7

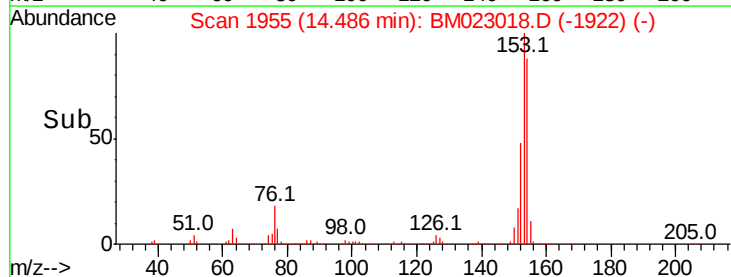
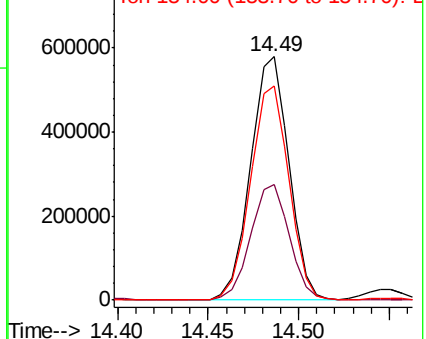


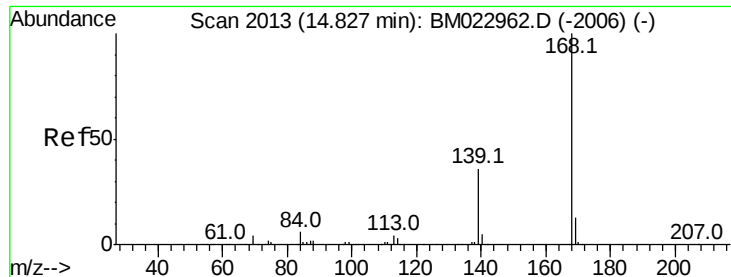
Abundance

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: 9.958 ng/ul

RT: 14.82 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BM023018.D

Acq: 06 Oct 2019 09:29

Instrument :

BNA_M

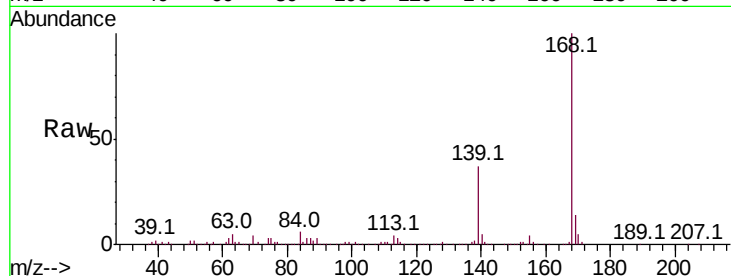
ClientSampleId :

Tot Ion:168 Resp: 548799

Ion Ratio Lower Upper

168 100

139 37.1 29.0 43.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.82

400000

300000

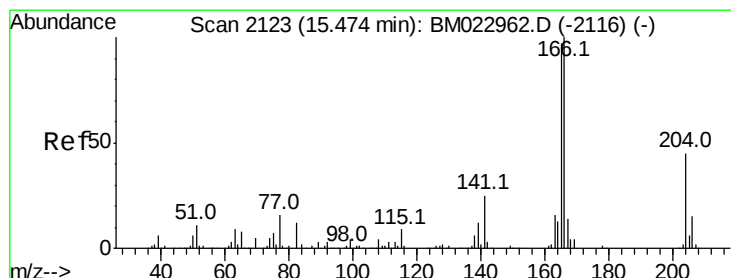
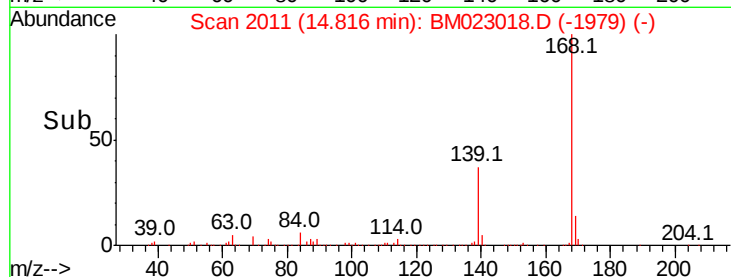
200000

100000

0

14.75 14.80 14.85 14.90

Time-->



#59

Fluorene

Concen: 19.710 ng/ul

RT: 15.47 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BM023018.D

Acq: 06 Oct 2019 09:29

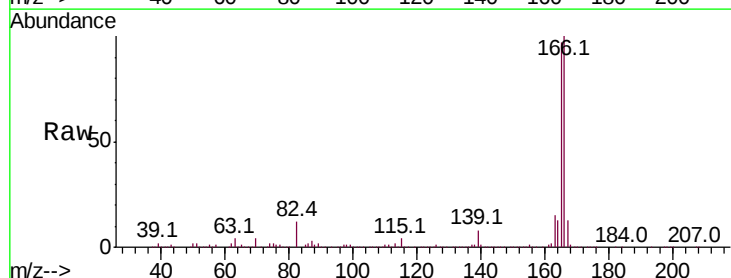
Tgt Ion:166 Resp: 877758

Ion Ratio Lower Upper

166 100

165 97.2 77.7 116.5

167 13.5 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

15.47

800000

600000

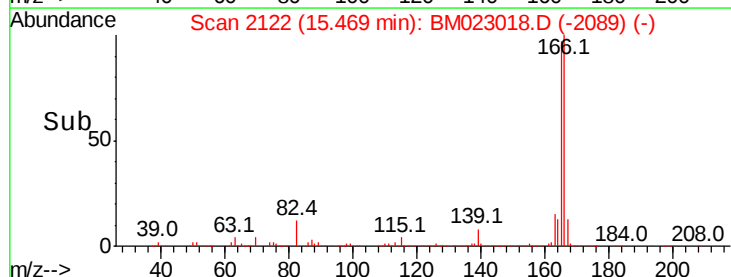
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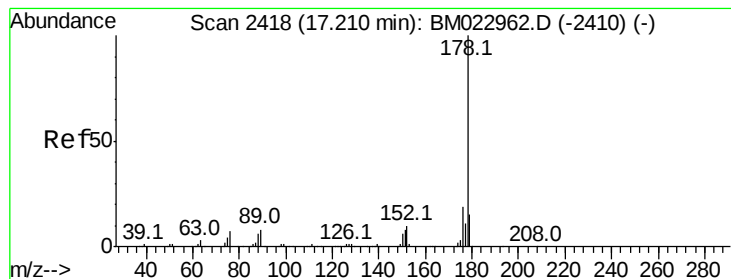
200000

0

15.40 15.45 15.50 15.55

Time-->





#70

Phenanthrene

Concen: 101.409 ng/ul

RT: 17.21 min Scan# 2418

Delta R.T. 0.00 min

Lab File: BM023018.D

Acq: 06 Oct 2019 09:29

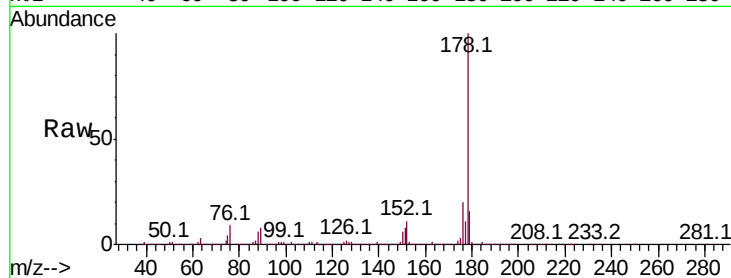
Instrument :

BNA_M

ClientSampled :

Tot Ion:178 Resp: 6091121

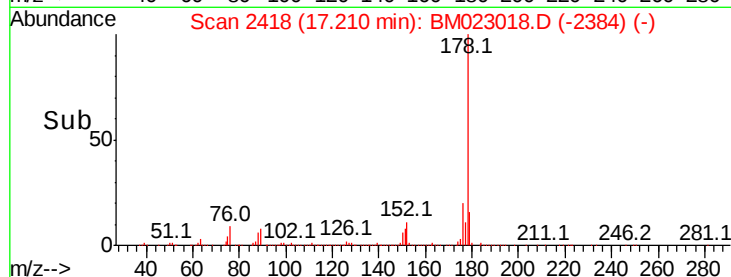
Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.4	18.6
176	20.3	15.3	22.9



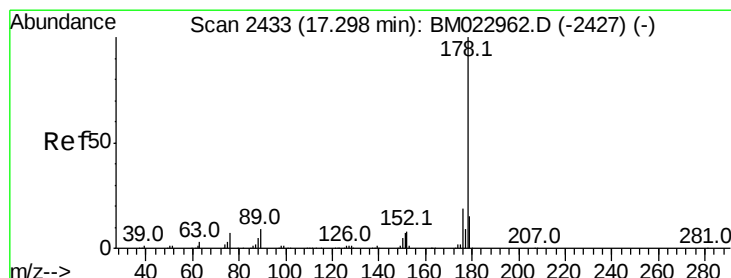
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.10 17.15 17.20 17.25



#72

Anthracene

Concen: 29.974 ng/ul

RT: 17.29 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BM023018.D

Acq: 06 Oct 2019 09:29

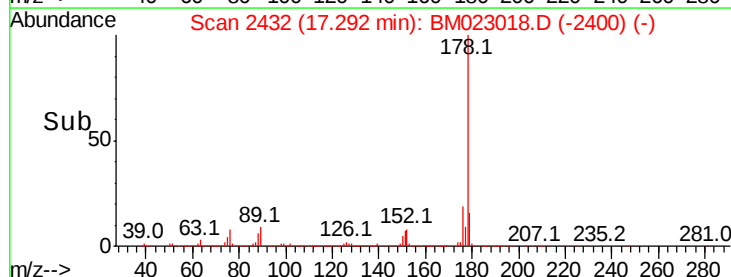
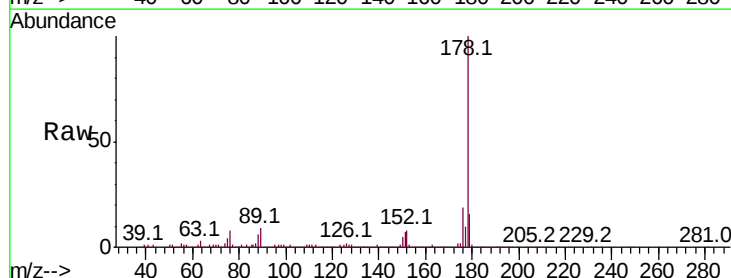
Tgt Ion:178 Resp: 1834505

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.4	18.6
176	18.7	15.0	22.6

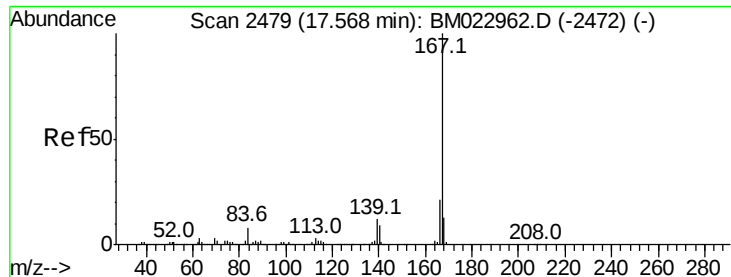
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.25 17.30 17.35



#75

Carbazole

Concen: 16.393 ng/ul

RT: 17.56 min Scan# 2477

Delta R.T. -0.01 min

Lab File: BM023018.D

Acq: 06 Oct 2019 09:29

Instrument :

BNA_M

ClientSampleId :

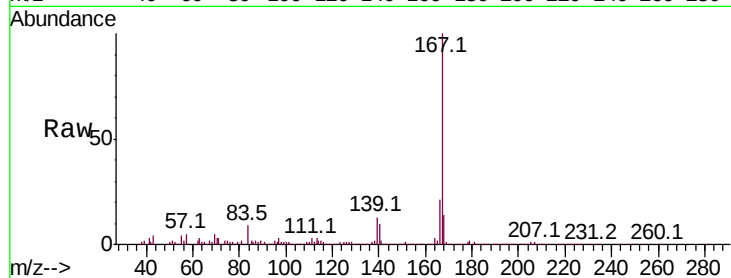
Tot Ion:167 Resp: 891709

Ion Ratio Lower Upper

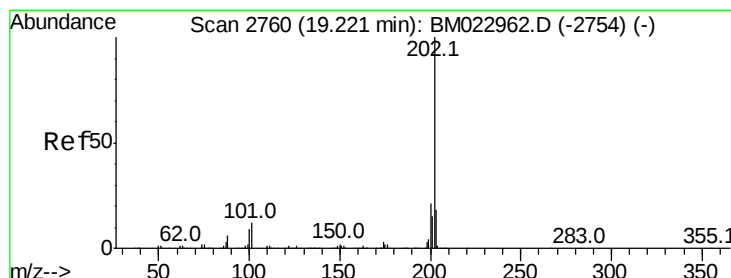
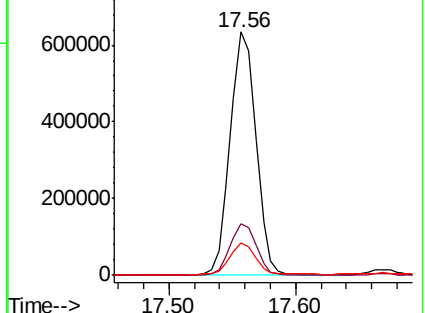
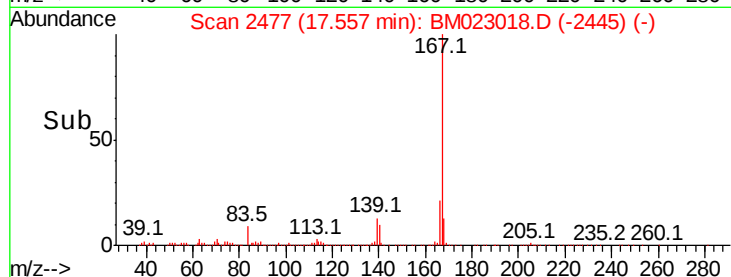
167 100

166 21.4 17.1 25.7

139 13.2 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: 100.090 ng/ul

RT: 19.23 min Scan# 2761

Delta R.T. 0.00 min

Lab File: BM023018.D

Acq: 06 Oct 2019 09:29

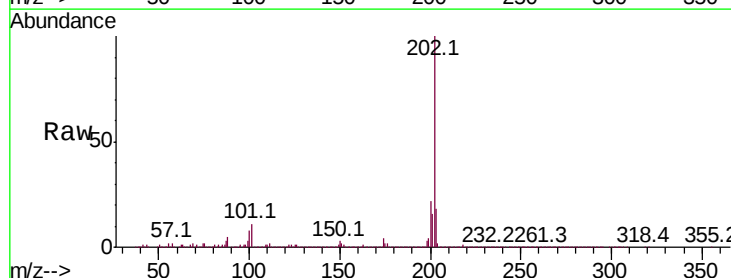
Tgt Ion:202 Resp: 6761525

Ion Ratio Lower Upper

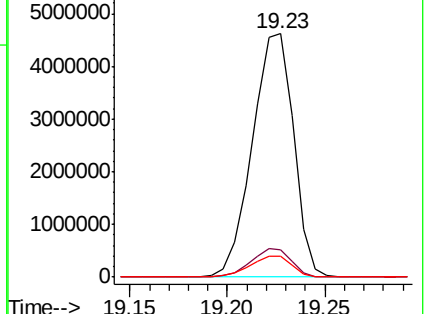
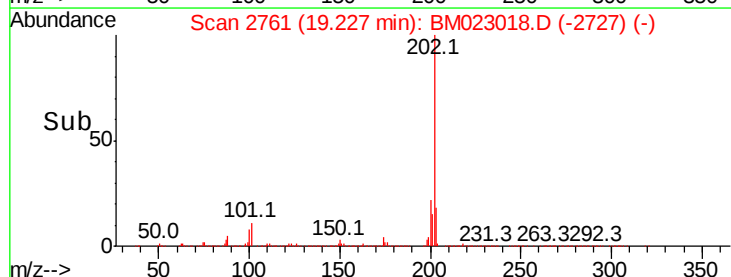
202 100

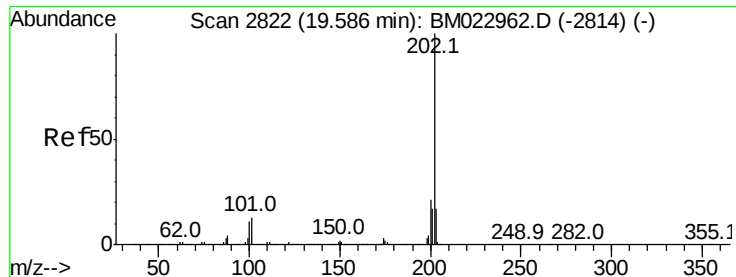
101 11.0 8.6 12.8

100 8.4 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

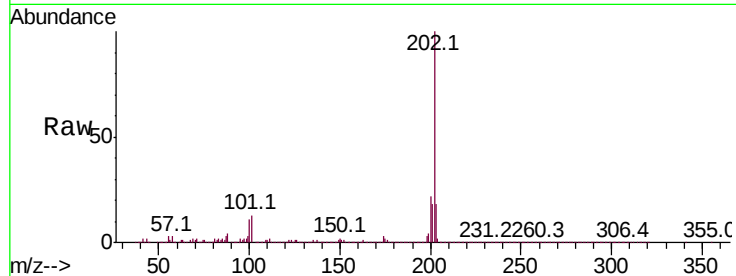




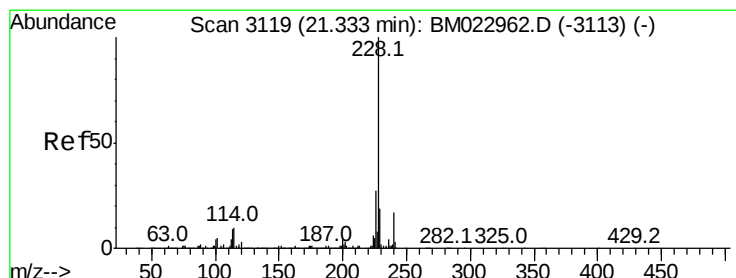
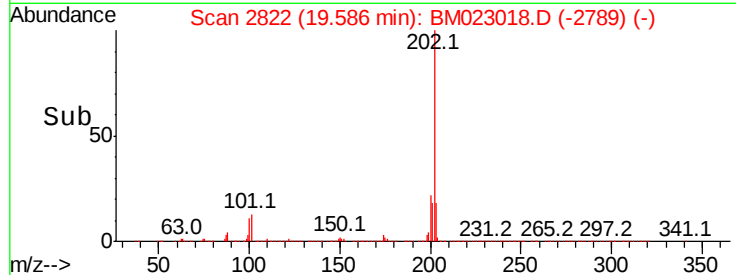
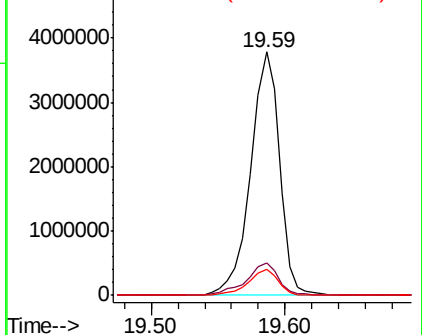
#80
Pvrene
Concen: 82.426 ng/ul
RT: 19.59 min Scan# 2822
Delta R.T. -0.01 min
Lab File: BM023018.D
Acq: 06 Oct 2019 09:29

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 5621133
Ion Ratio Lower Upper
202 100
101 13.3 9.7 14.5
100 10.9 7.8 11.8

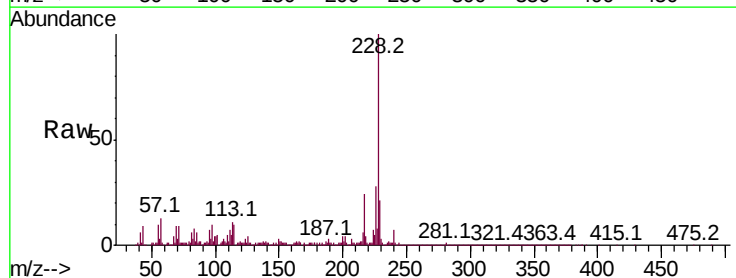


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

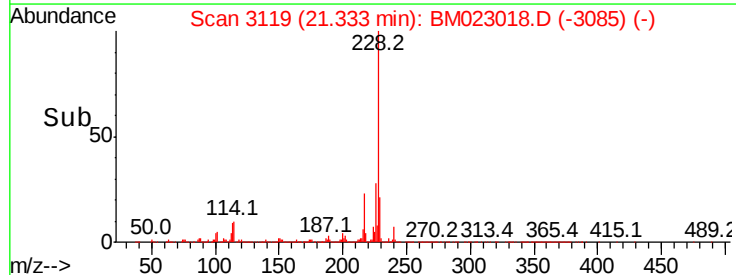
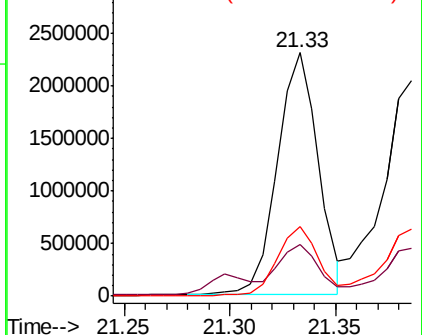


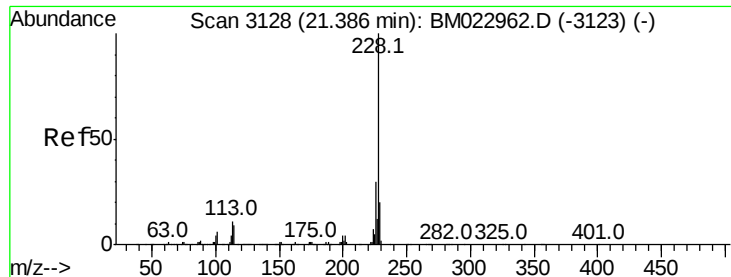
#83
Benzo(a)anthracene
Concen: 45.018 ng/ul
RT: 21.33 min Scan# 3119
Delta R.T. 0.00 min
Lab File: BM023018.D
Acq: 06 Oct 2019 09:29

Tgt Ion:228 Resp: 3109350
Ion Ratio Lower Upper
228 100
229 21.1 15.8 23.8
226 28.4 22.4 33.6



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

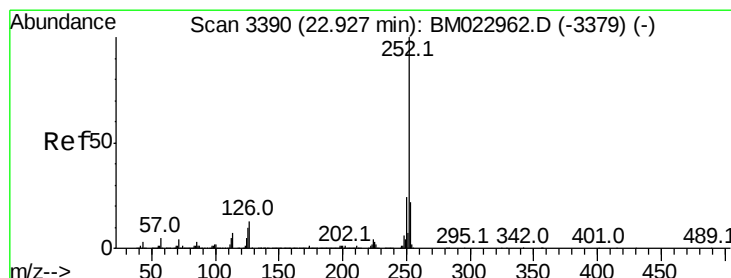
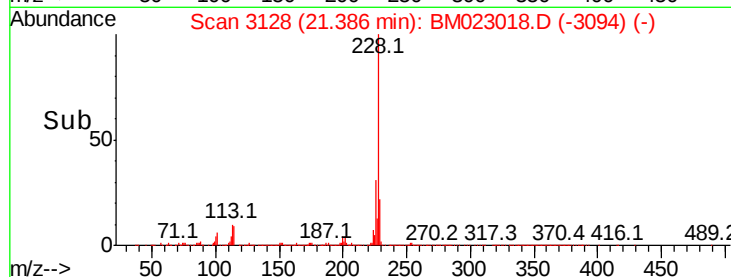
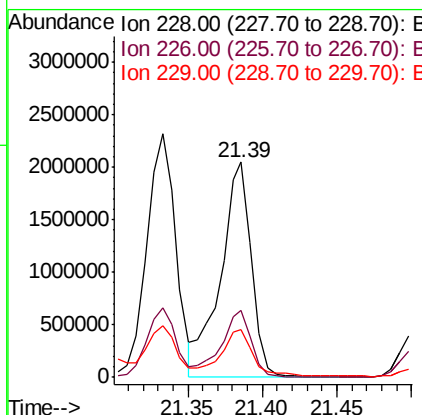
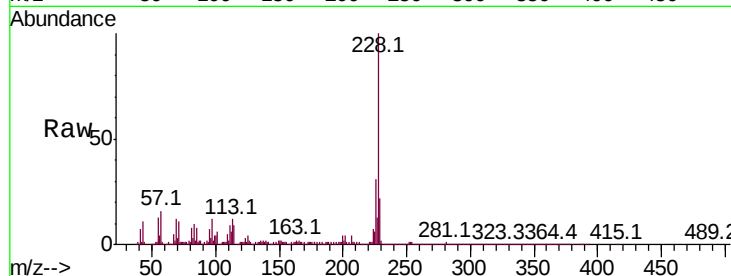




#85
Chrysene
Concen: 46.386 ng/ul
RT: 21.39 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BM023018.D
Acq: 06 Oct 2019 09:29

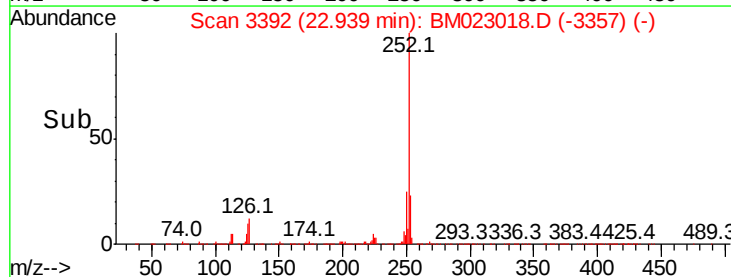
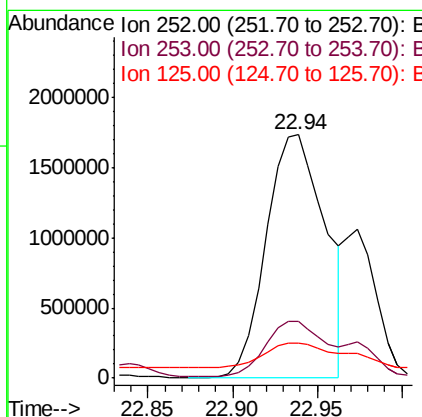
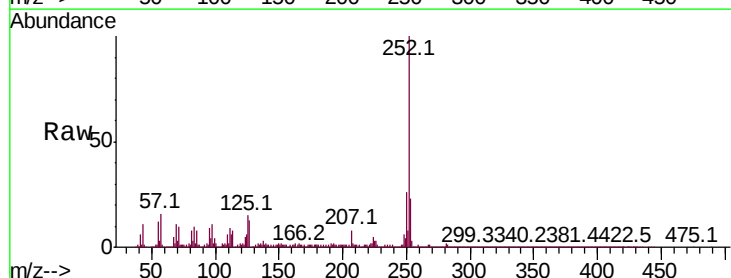
Instrument :
BNA_M
ClientSampleId :

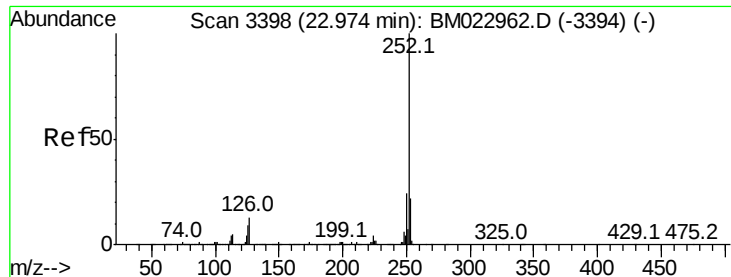
Tot Ion:228 Resp: 2953936
Ion Ratio Lower Upper
228 100
226 31.0 24.2 36.4
229 22.5 15.9 23.9



#88
Benzo(b)fluoranthene
Concen: 51.781 ng/ul
RT: 22.94 min Scan# 3392
Delta R.T. 0.01 min
Lab File: BM023018.D
Acq: 06 Oct 2019 09:29

Tgt Ion:252 Resp: 4179129
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 14.6 8.2 12.2#





#89

Benzo(k)fluoranthene

Concen: 54.124 ng/ul

RT: 22.94 min Scan# 3392

Delta R.T. -0.03 min

Lab File: BM023018.D

Acq: 06 Oct 2019 09:29

Instrument :

BNA_M

ClientSampleId :

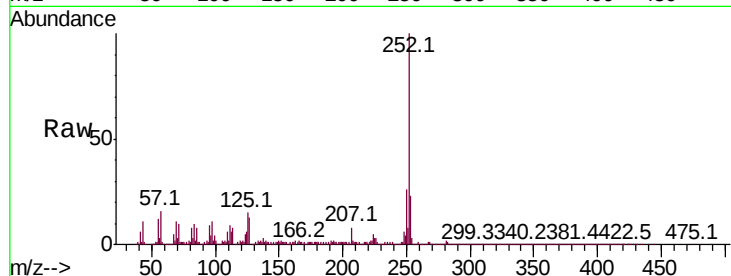
Tot Ion:252 Resp: 4179129

Ion Ratio Lower Upper

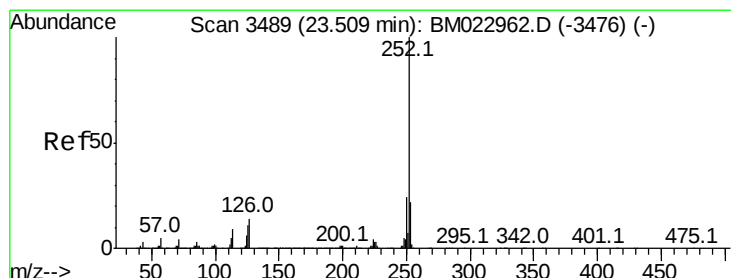
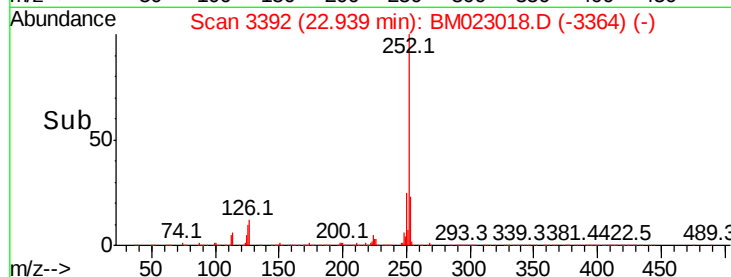
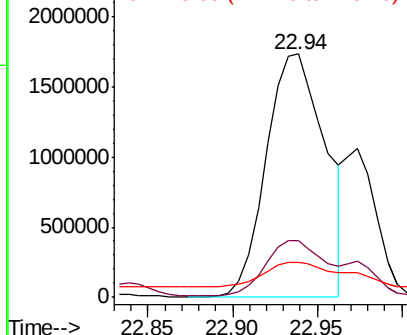
252 100

253 23.3 17.5 26.3

125 14.6 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: 40.635 ng/ul

RT: 23.52 min Scan# 3490

Delta R.T. 0.00 min

Lab File: BM023018.D

Acq: 06 Oct 2019 09:29

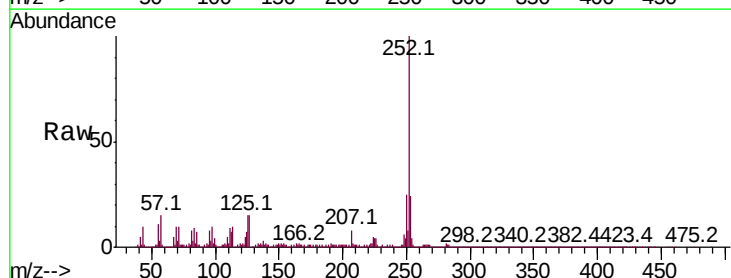
Tgt Ion:252 Resp: 3076807

Ion Ratio Lower Upper

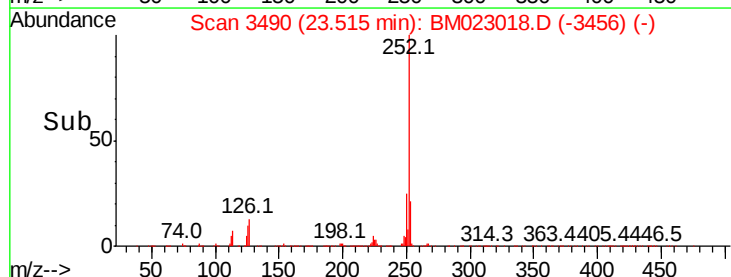
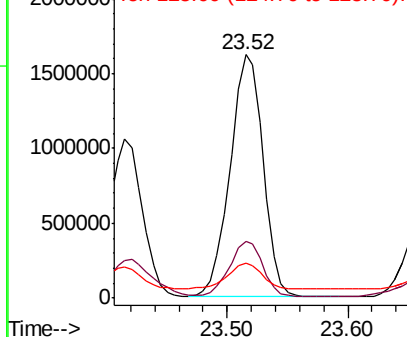
252 100

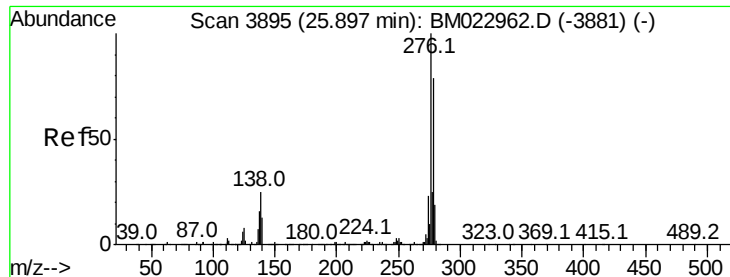
253 23.5 17.6 26.4

125 14.6 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



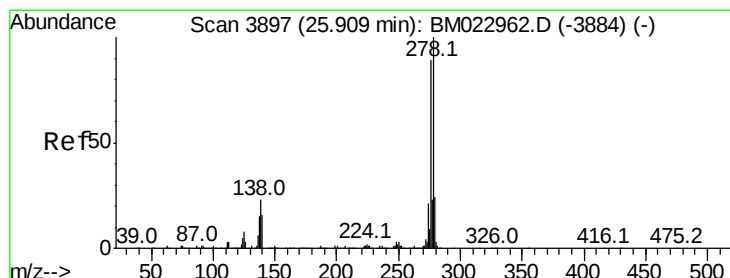
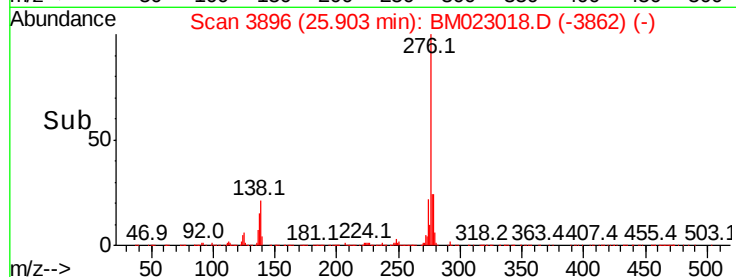
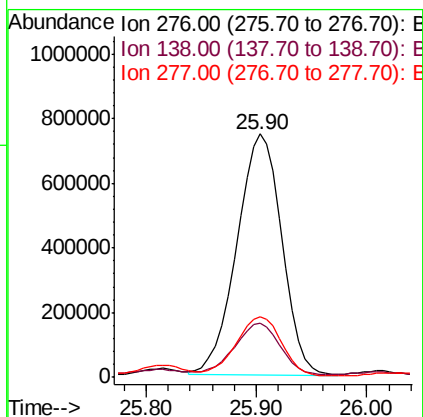
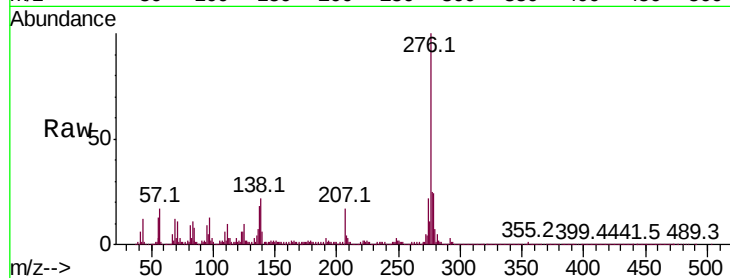


#92

Indeno(1,2,3-cd)pyrene
Concen: 26.517 ng/ul
RT: 25.90 min Scan# 3896
Delta R.T. 0.00 min
Lab File: BM023018.D
Acq: 06 Oct 2019 09:29

Instrument :
BNA_M
ClientSampled :

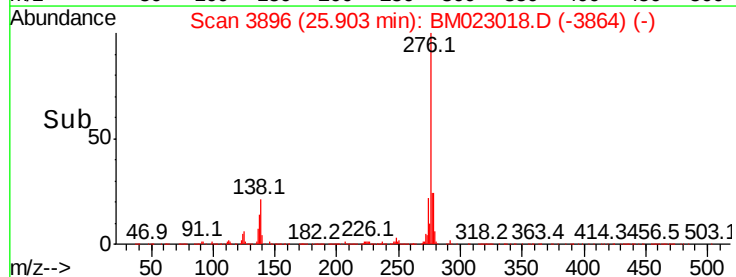
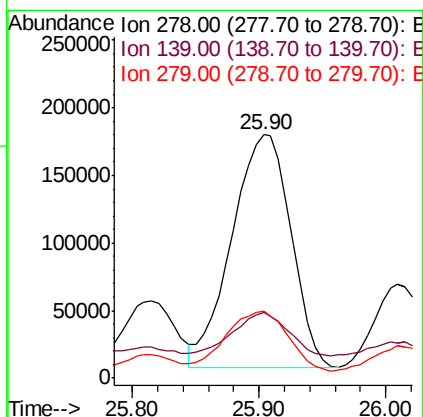
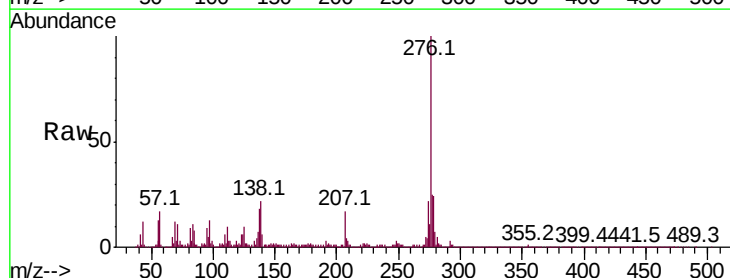
Tot Ion:276 Resp: 2132634
Ion Ratio Lower Upper
276 100
138 22.1 19.8 29.8
277 24.9 20.3 30.5

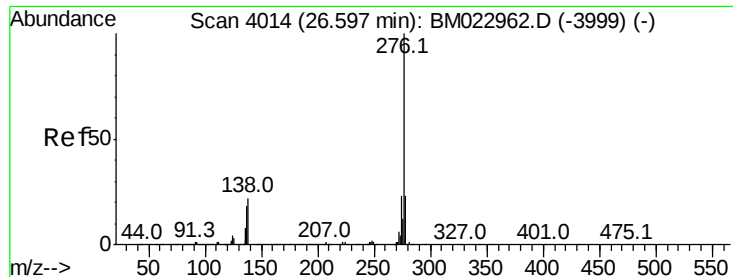


#93

Dibenzo(a,h)anthracene
Concen: 8.305 ng/ul
RT: 25.90 min Scan# 3896
Delta R.T. -0.01 min
Lab File: BM023018.D
Acq: 06 Oct 2019 09:29

Tgt Ion:278 Resp: 558724
Ion Ratio Lower Upper
278 100
139 27.0 13.2 19.8#
279 27.3 19.0 28.6





#94

Benzo(a,h,i)perylene

Concen: 30.905 ng/ul

RT: 26.61 min Scan# 4016

Delta R.T. 0.01 min

Lab File: BM023018.D

Acq: 06 Oct 2019 09:29

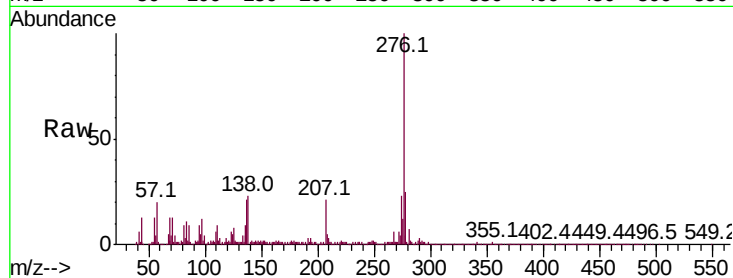
Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 2005287

Ion	Ratio	Lower	Upper
276	100		
138	22.9	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

