

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\
 Data File : BM023842.D
 Acq On : 21 Nov 2019 22:55
 Operator : JU
 Sample : K5851-17
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 22 05:51:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 21 16:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	369600	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.29	136	1506147	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.17	164	931907	20.00	ng/ul	-0.01
62) Phenanthrene-d10	16.92	188	2031728	20.00	ng/ul	0.00
78) Chrysene-d12	21.13	240	2066282	20.00	ng/ul	0.00
86) Perylene-d12	23.28	264	2537714	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	27095	3.02	ng/uL	0.00
5) Phenol-d5	6.70	99	605827	17.98	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.86	67	345477	17.85	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.05	132	486938	19.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	428335	15.94	ng/ul	-0.01
19) Nitrobenzene-d5	8.66	128	238562	22.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	274051	24.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	494554	19.14	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.43	131	559462	19.72	ng/ul	0.00
44) Dimethylphthalate-d6	13.59	166	1535837	21.13	ng/ul	0.00
47) Acenaphthylene-d8	13.86	160	1835039	22.13	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	181689	14.65	ng/ul	0.00
58) Fluorene-d10	15.17	176	1368351	21.32	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	159236	13.55	ng/ul	0.00
71) Anthracene-d10	17.02	188	2176305	22.58	ng/ul	0.00
79) Pyrene-d10	19.33	212	2483812	23.05	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.14	264	3090353	23.14	ng/ul	-0.01

Target Compounds

					Ovalue
6) Phenol	6.73	94	109100	3.143	ng/ul 97
28) Naphthalene	10.33	128	288419	3.643	ng/ul 98
30) 4-Chloroaniline	10.33	127	38693	1.327	ng/ul# 27
34) 2-Methylnaphthalene	11.96	142	115724	1.911	ng/ul 97
35) 1-Methylnaphthalene	12.18	142	70609	1.182	ng/ul 96
45) Dimethylphthalate	13.64	163	446997	6.276	ng/ul 99
50) Acenaphthene	14.23	153	371081	6.263	ng/ul 98
54) Dibenzofuran	14.57	168	409907	4.673	ng/ul 98
59) Fluorene	15.23	166	547301	7.691	ng/ul 99
70) Phenanthrene	16.97	178	5521876	49.342	ng/ul 100
72) Anthracene	17.06	178	1719769	15.283	ng/ul 99
75) Carbazole	17.33	167	717882	7.653	ng/ul 100
77) Fluoranthene	18.99	202	5849895	48.791	ng/ul 97
80) Pyrene	19.36	202	4717132	35.318	ng/ul 97
83) Benzo(a)anthracene	21.12	228	2451040	17.983	ng/ul 99
85) Chrysene	21.16	228	2059646	16.052	ng/ul 97
88) Benzo(b)fluoranthene	22.64	252	2728365	16.866	ng/ul 98
89) Benzo(k)fluoranthene	22.64	252	2728365	17.506	ng/ul# 97
91) Benzo(a)pyrene	23.19	252	1974064	13.330	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.41	276	1184351	7.479	ng/ul 97
93) Dibenzo(a,h)anthracene	25.42	278	323133	2.418	ng/ul# 82
94) Benzo(a,h,i)perylene	26.07	276	1069886	8.338	ng/ul 97

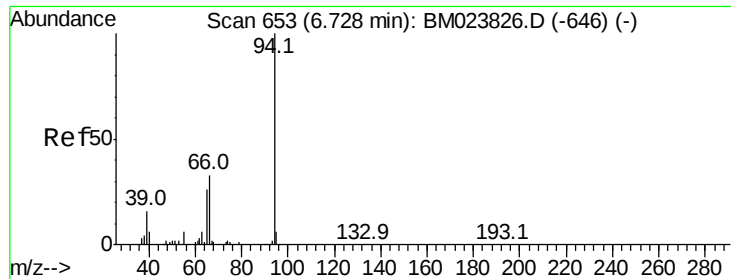
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\
Data File : BM023842.D
Acq On : 21 Nov 2019 22:55
Operator : JU
Sample : K5851-17
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Instrument :
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Quant Time: Nov 22 05:51:56 2019
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 21 16:09:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6

Phenol

Concen: 3.143 ng/ul

RT: 6.73 min Scan# 653

Delta R.T. -0.01 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

Instrument :

BNA_M

ClientSampleId :

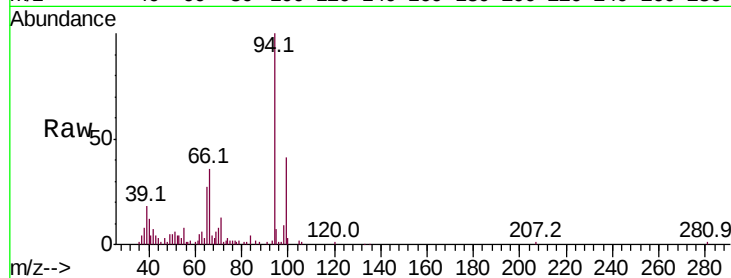
Tot Ion: 94 Resp: 109100

Ion Ratio Lower Upper

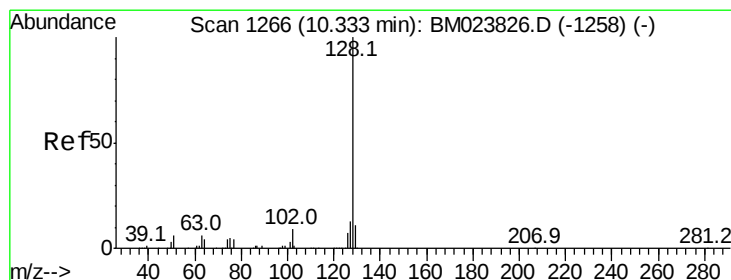
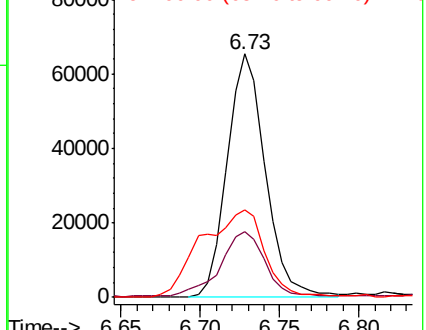
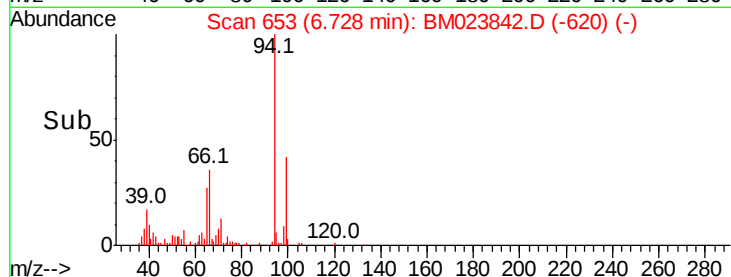
94 100

65 27.1 21.4 32.2

66 36.0 30.7 46.1



Abundance Ion 94.00 (93.70 to 94.70): BM023842.D (-620) (-)



#28

Naphthalene

Concen: 3.643 ng/ul

RT: 10.33 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

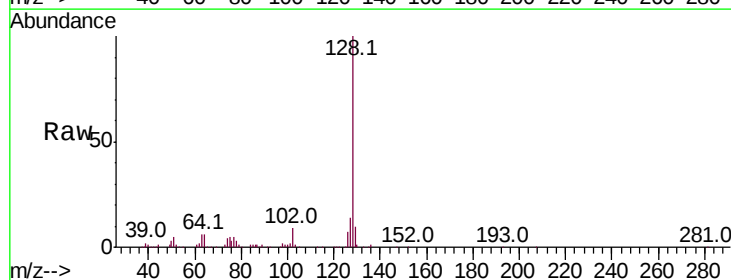
Tgt Ion: 128 Resp: 288419

Ion Ratio Lower Upper

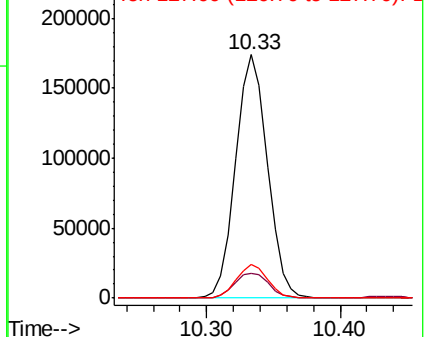
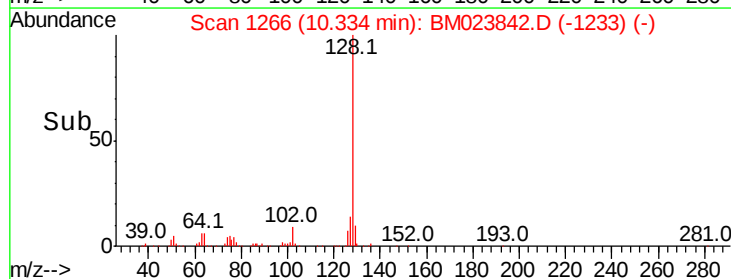
128 100

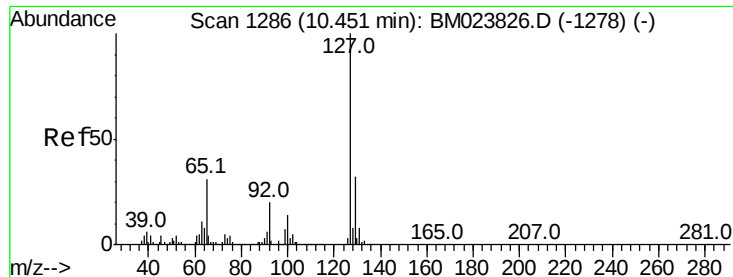
129 10.3 8.7 13.1

127 14.0 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): BM023842.D (-1233) (-)

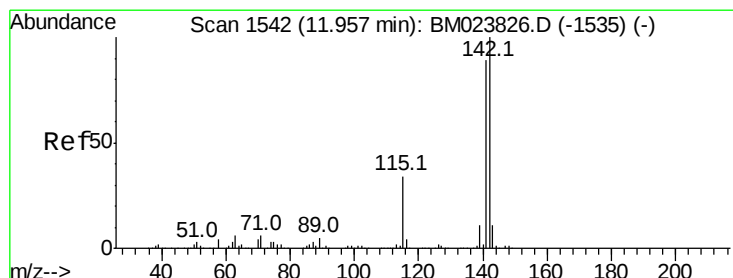
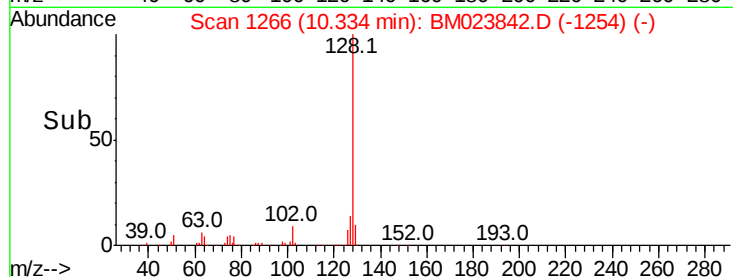
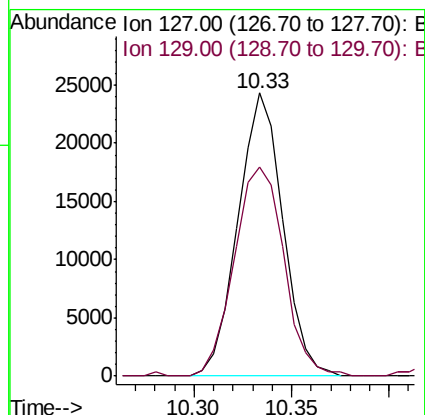
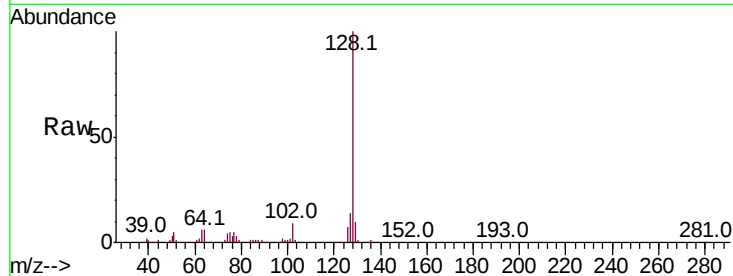




#30
4-Chloroaniline
Concen: 1.327 ng/ul
RT: 10.33 min Scan# 1266
Delta R.T. -0.13 min
Lab File: BM023842.D
Acq: 21 Nov 2019 22:55

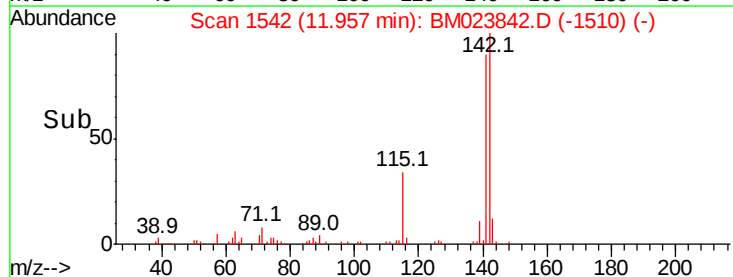
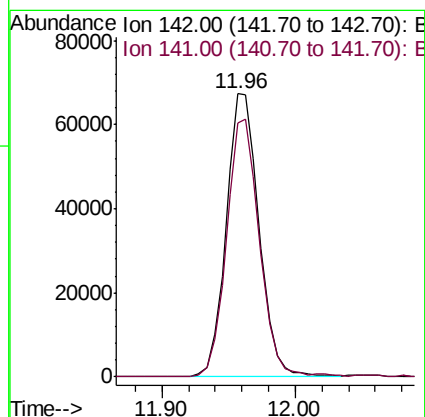
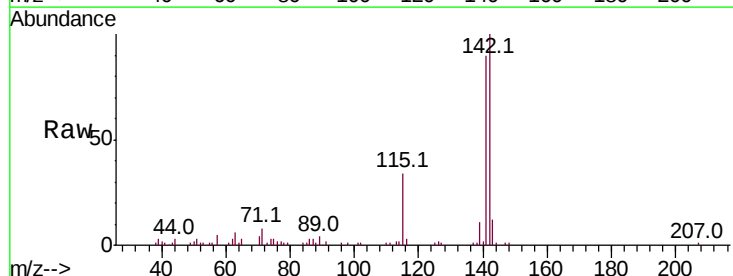
Instrument :
BNA_M
ClientSampled :

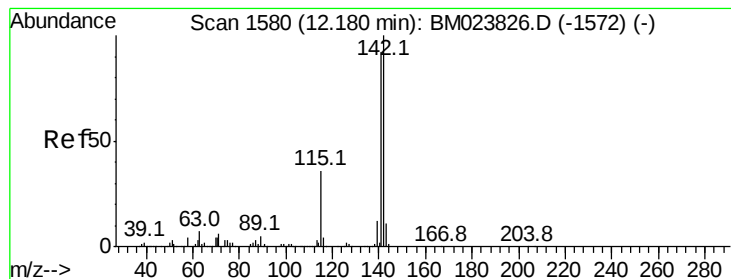
Tot Ion:127 Resp: 38693
Ion Ratio Lower Upper
127 100
129 73.7 26.1 39.1#



#34
2-Methylnaphthalene
Concen: 1.911 ng/ul
RT: 11.96 min Scan# 1542
Delta R.T. -0.01 min
Lab File: BM023842.D
Acq: 21 Nov 2019 22:55

Tgt Ion:142 Resp: 115724
Ion Ratio Lower Upper
142 100
141 89.9 69.8 104.8





#35

1-Methyl-naphthalene

Concen: 1.182 ng/ul

RT: 12.18 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

Instrument :

BNA_M

ClientSampleId :

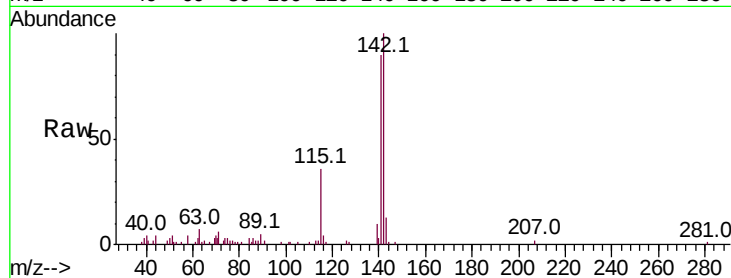
Tot Ion:142 Resp: 70609

Ion Ratio Lower Upper

142 100

141 89.8 74.6 112.0

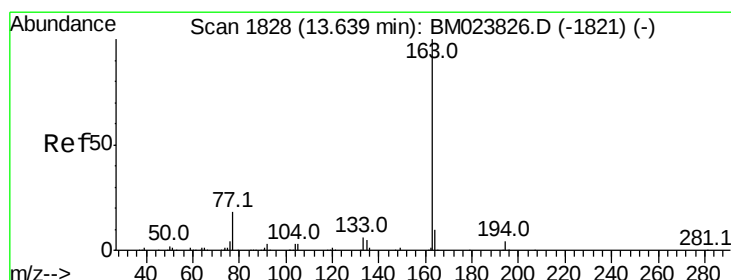
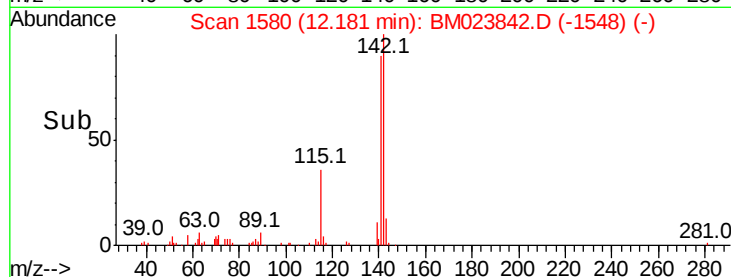
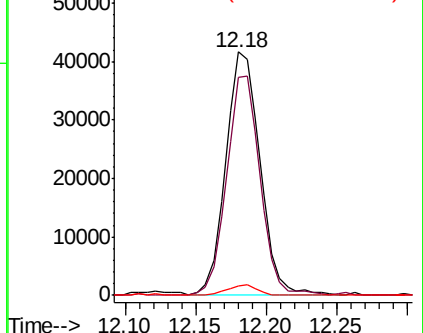
116 4.0 3.2 4.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#45

Dimethylphthalate

Concen: 6.276 ng/ul

RT: 13.64 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

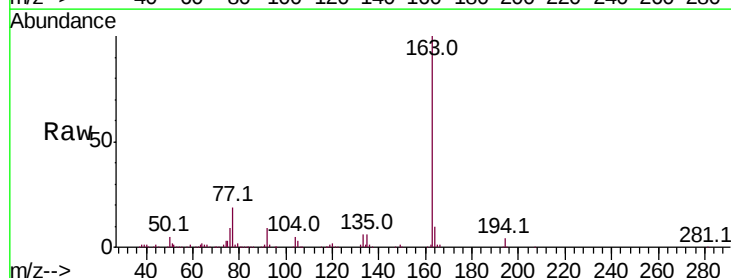
Tgt Ion:163 Resp: 446997

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

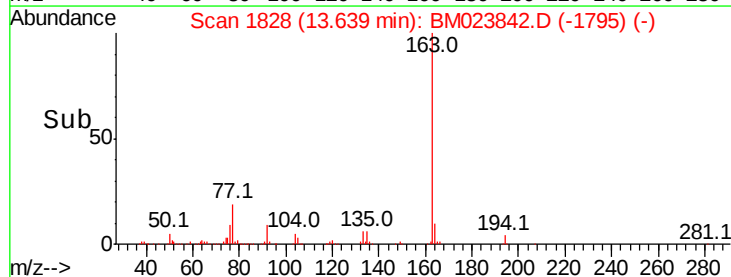
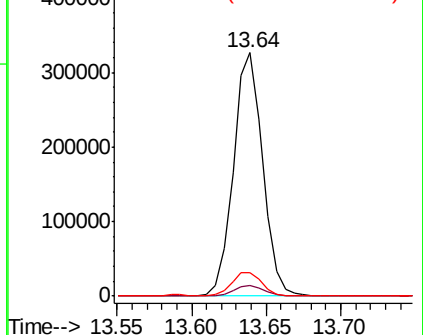
164 9.7 8.0 12.0

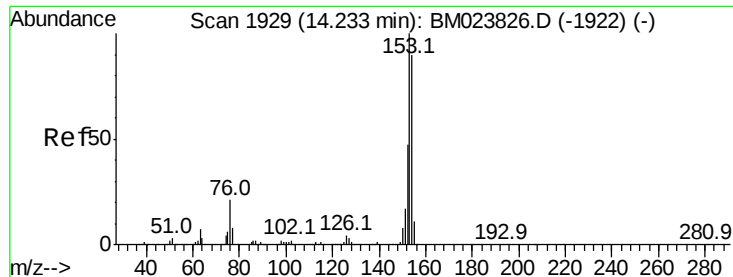


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 6.263 ng/ul

RT: 14.23 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

Instrument :

BNA_M

ClientSampleId :

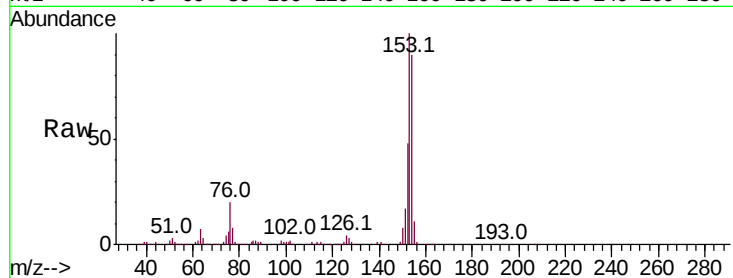
Tot Ion:153 Resp: 371081

Ion Ratio Lower Upper

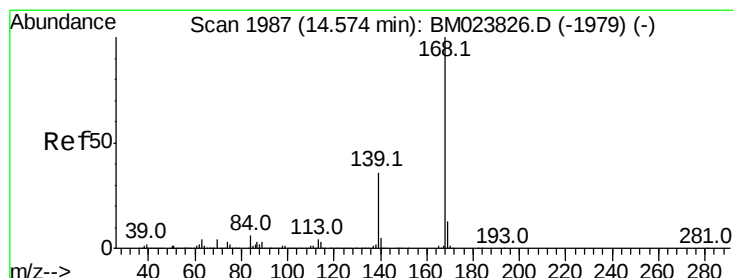
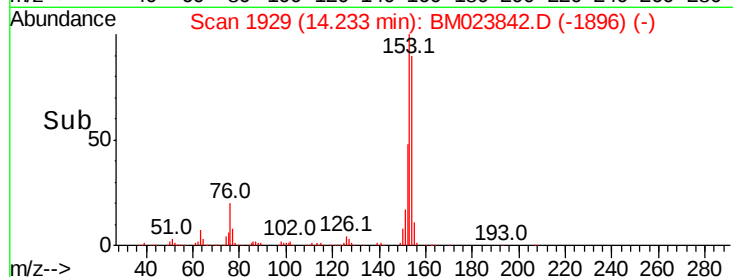
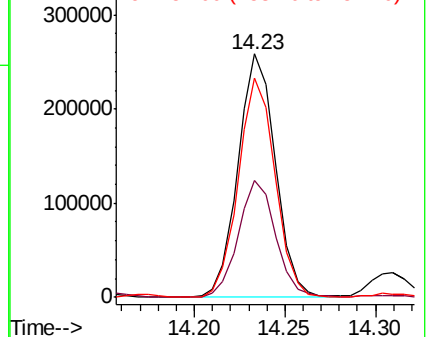
153 100

152 47.8 37.7 56.5

154 90.1 70.6 106.0



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

Dibenzofuran

Concen: 4.673 ng/ul

RT: 14.57 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BM023842.D

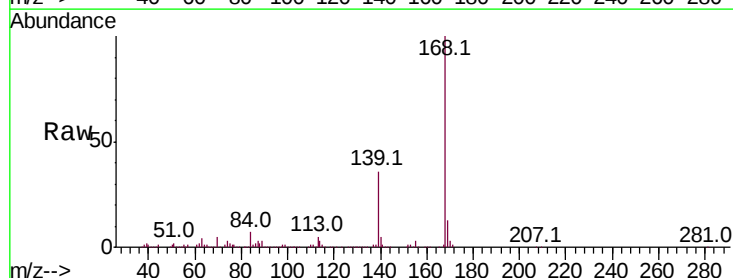
Acq: 21 Nov 2019 22:55

Tgt Ion:168 Resp: 409907

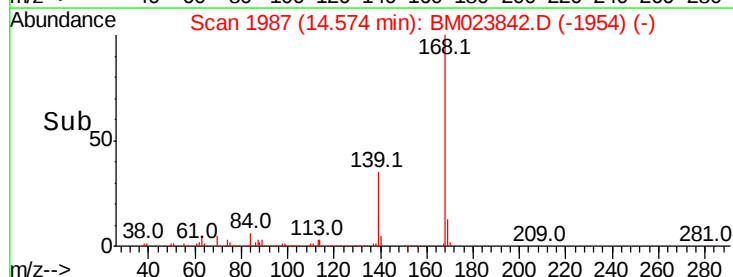
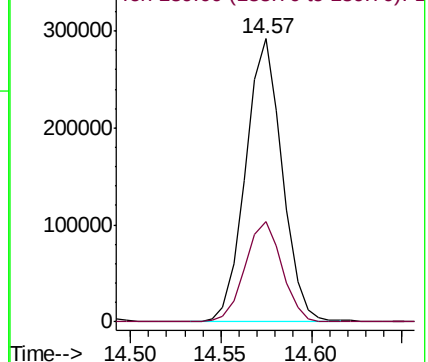
Ion Ratio Lower Upper

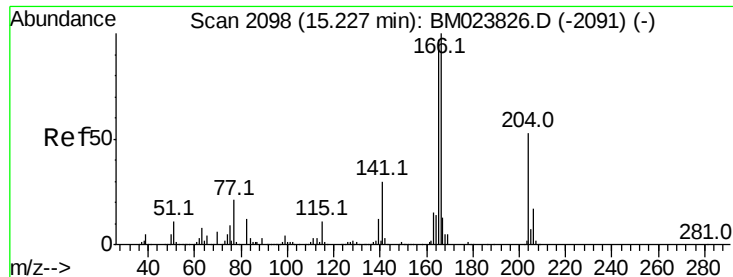
168 100

139 35.6 29.3 43.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 7.691 ng/ul

RT: 15.23 min Scan# 2098

Delta R.T. -0.01 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

Instrument :

BNA_M

ClientSampled :

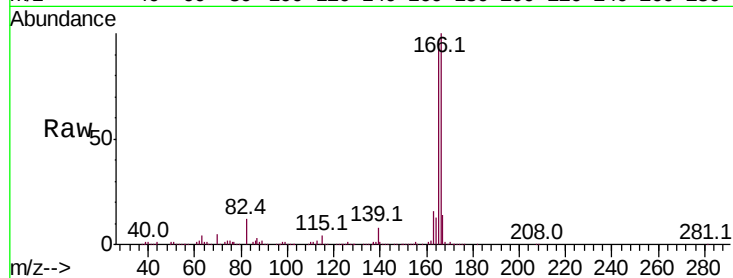
Tot Ion:166 Resp: 547301

Ion Ratio Lower Upper

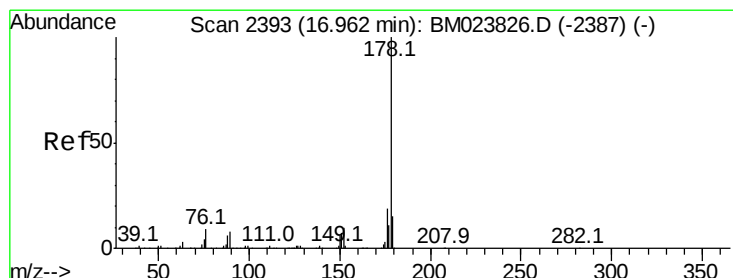
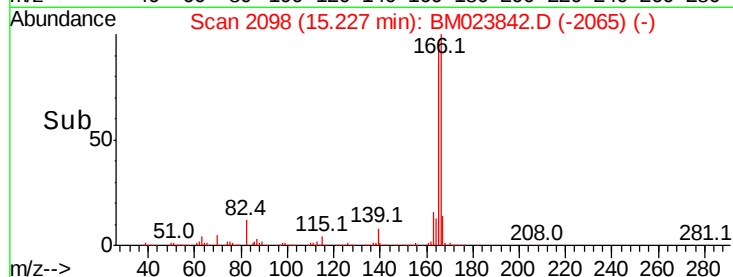
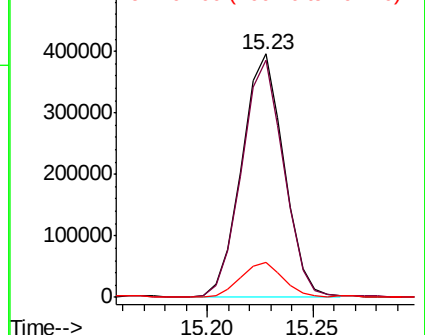
166 100

165 97.3 77.2 115.8

167 14.3 10.9 16.3



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: 49.342 ng/ul

RT: 16.97 min Scan# 2394

Delta R.T. 0.00 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

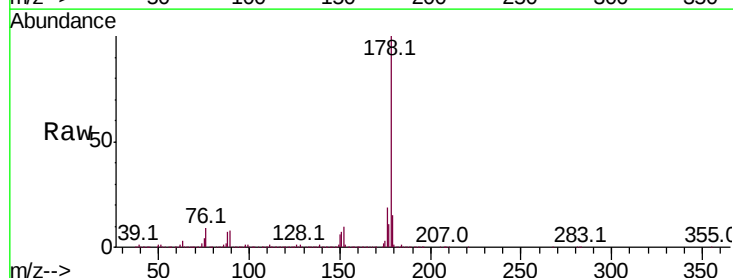
Tgt Ion:178 Resp: 5521876

Ion Ratio Lower Upper

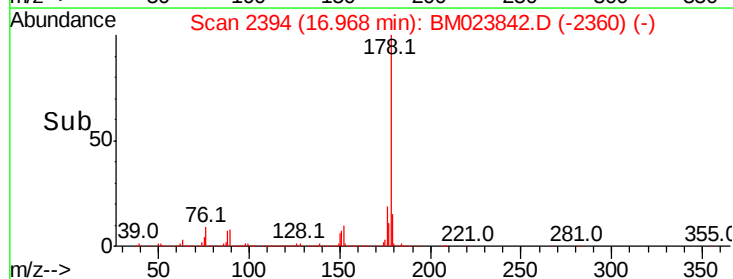
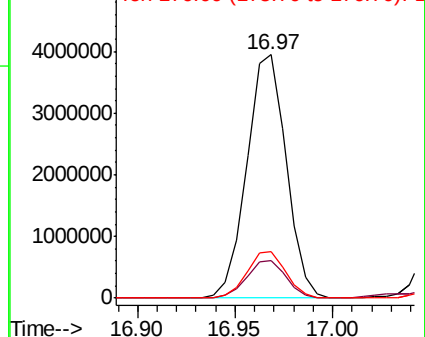
178 100

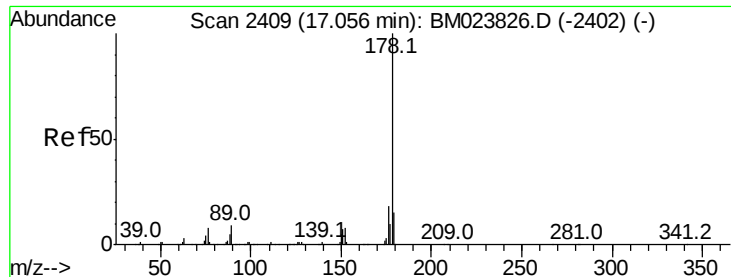
179 15.4 12.3 18.5

176 19.0 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



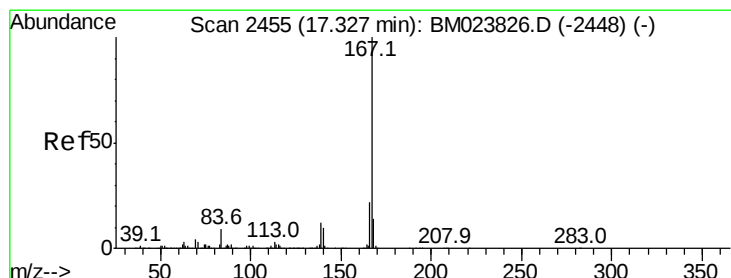
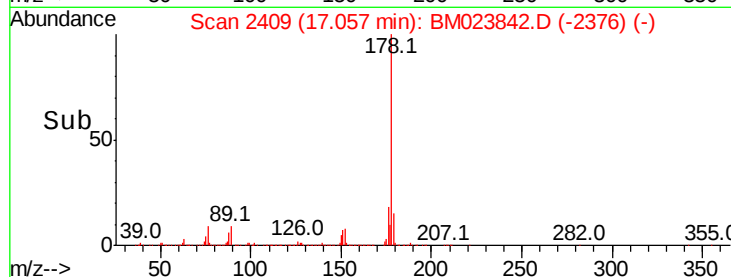
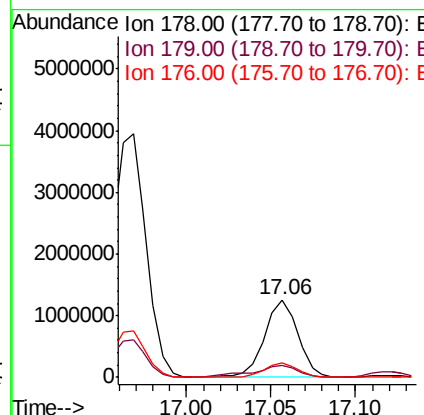
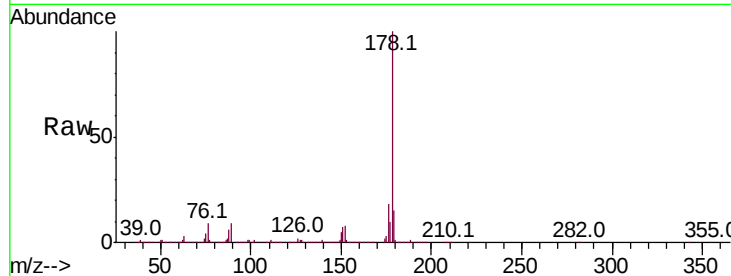


#72
 Anthracene
 Concen: 15.283 ng/ul
 RT: 17.06 min Scan# 2409
 Delta R.T. -0.01 min
 Lab File: BM023842.D
 Acq: 21 Nov 2019 22:55

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:178 Resp: 1719769

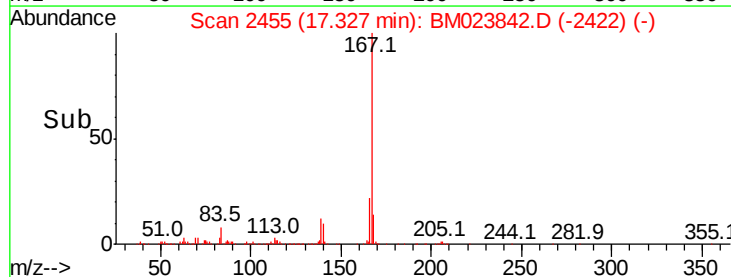
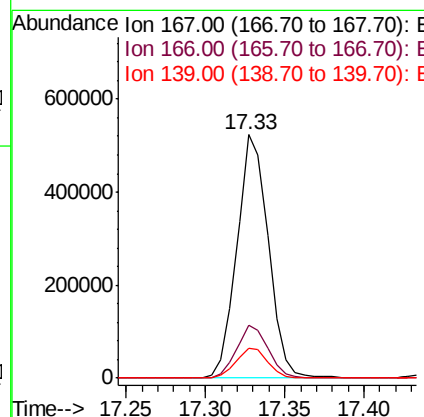
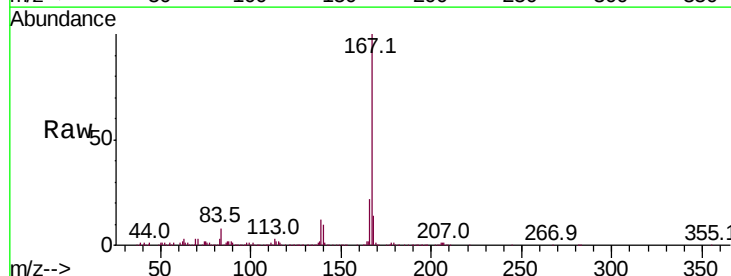
Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	18.1	14.7	22.1

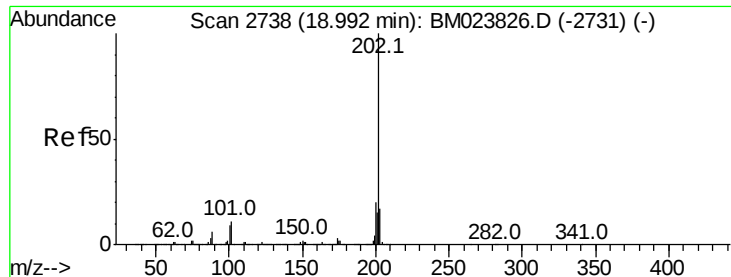


#75
 Carbazole
 Concen: 7.653 ng/ul
 RT: 17.33 min Scan# 2455
 Delta R.T. -0.01 min
 Lab File: BM023842.D
 Acq: 21 Nov 2019 22:55

Tgt Ion:167 Resp: 717882

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	12.2	9.8	14.6

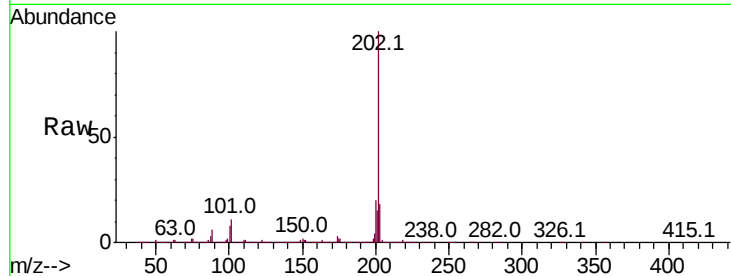




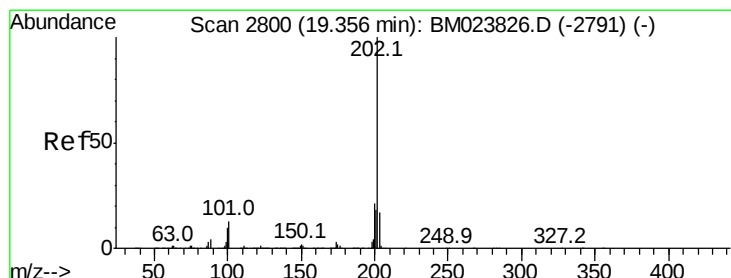
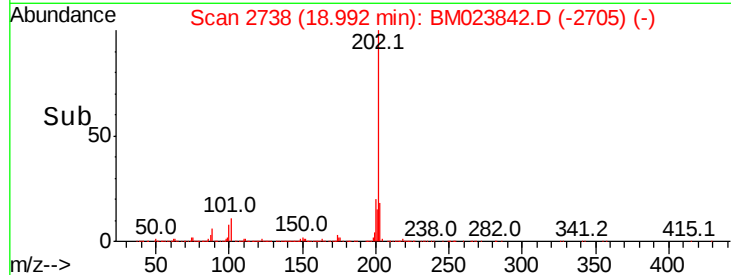
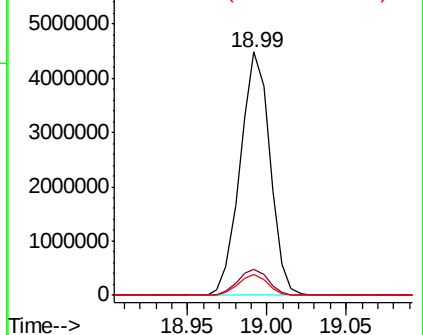
#77
 Fluoranthene
 Concen: 48.791 ng/ul
 RT: 18.99 min Scan# 2738
 Delta R.T. -0.01 min
 Lab File: BM023842.D
 Acq: 21 Nov 2019 22:55

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp: 5849895
 Ion Ratio Lower Upper
 202 100
 101 10.9 7.7 11.5
 100 8.5 6.0 9.0

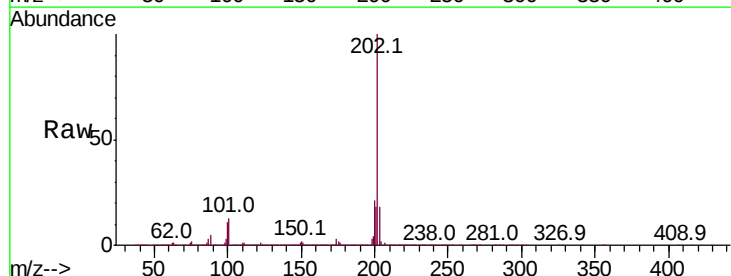


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

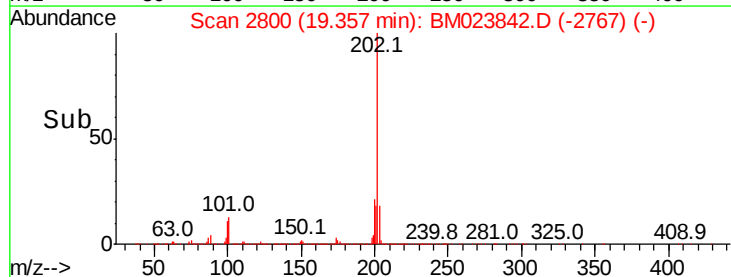
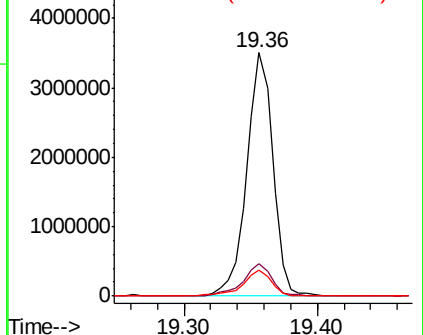


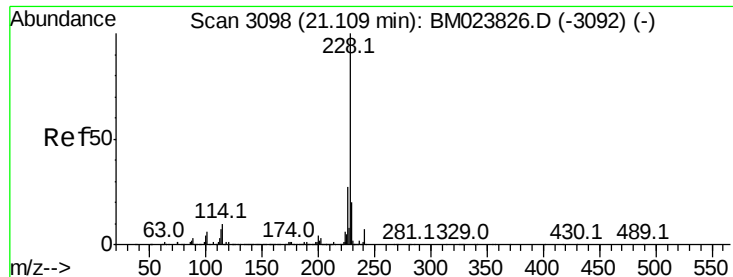
#80
 Pyrene
 Concen: 35.318 ng/ul
 RT: 19.36 min Scan# 2800
 Delta R.T. -0.01 min
 Lab File: BM023842.D
 Acq: 21 Nov 2019 22:55

Tgt Ion:202 Resp: 4717132
 Ion Ratio Lower Upper
 202 100
 101 13.3 9.8 14.6
 100 10.9 8.1 12.1



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): B





#83

Benzo(a)anthracene

Concen: 17.983 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

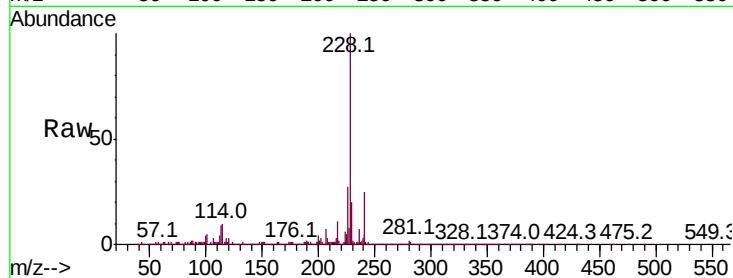
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 2451040

Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.6	23.4
226	27.4	21.4	32.2

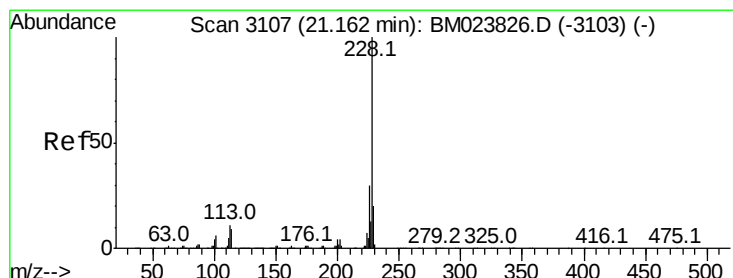
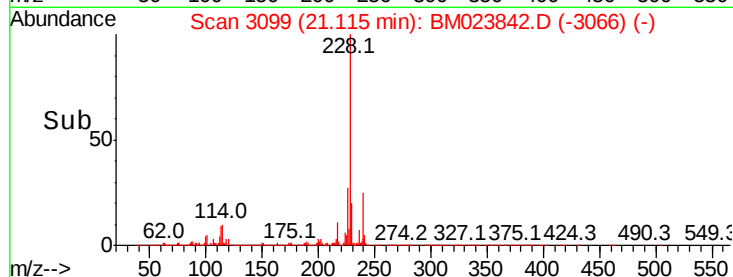
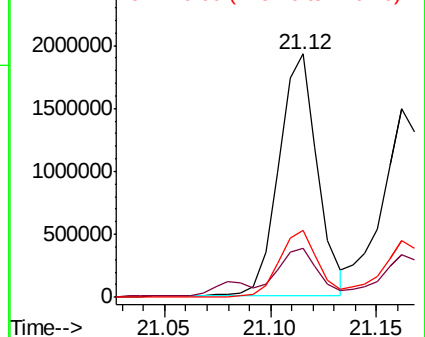


Abundance

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: 16.052 ng/ul

RT: 21.16 min Scan# 3107

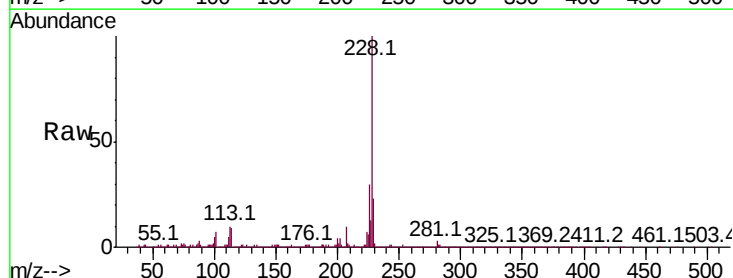
Delta R.T. -0.01 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

Tgt Ion:228 Resp: 2059646

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	22.8	15.8	23.6

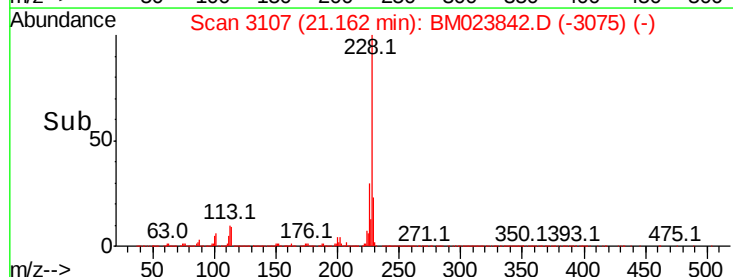
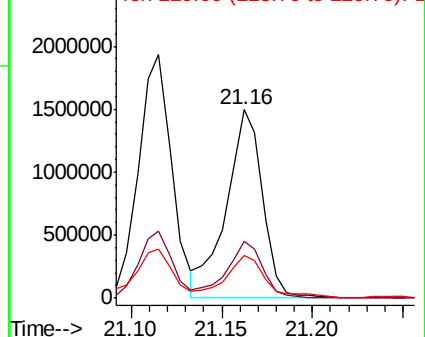


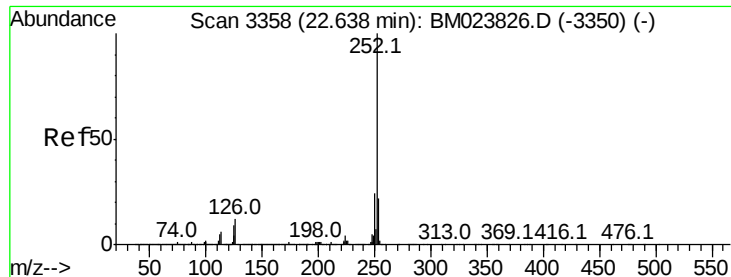
Abundance

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: 16.866 ng/ul

RT: 22.64 min Scan# 3359

Delta R.T. -0.01 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

Instrument :

BNA_M

ClientSampleId :

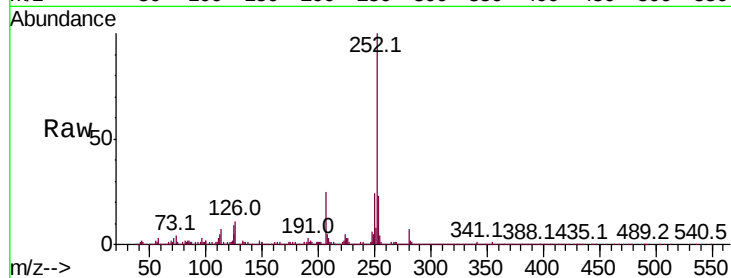
Tot Ion:252 Resp: 2728365

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

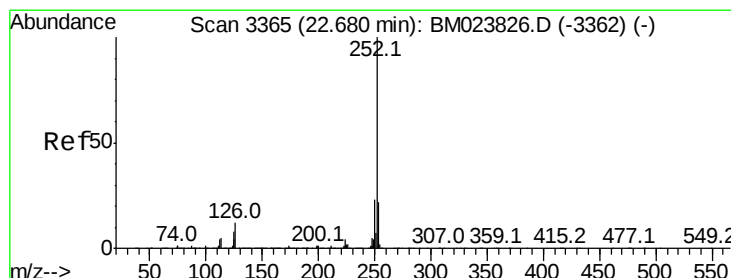
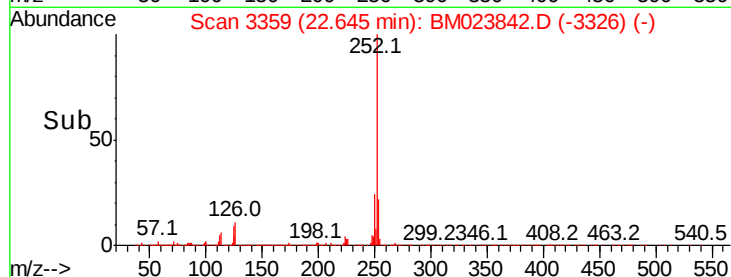
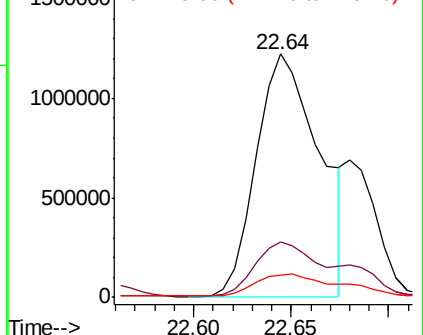
125 9.3 6.5 9.7



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



#89

Benzo(k)fluoranthene

Concen: 17.506 ng/ul

RT: 22.64 min Scan# 3359

Delta R.T. -0.05 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

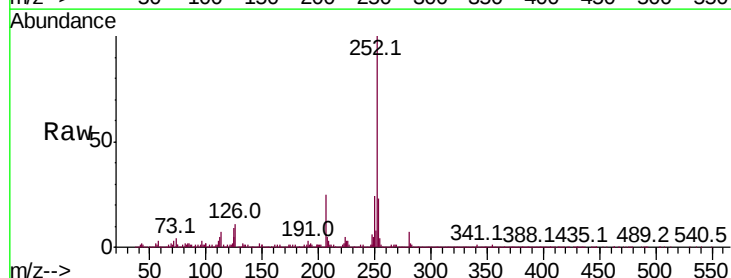
Tgt Ion:252 Resp: 2728365

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

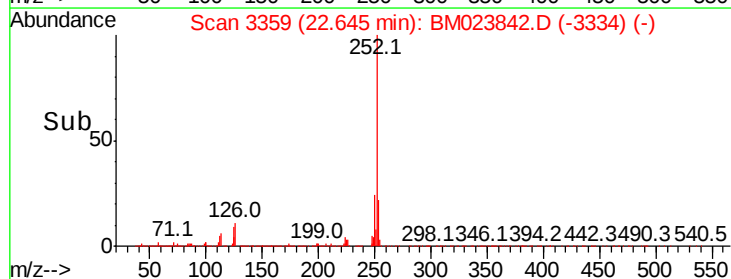
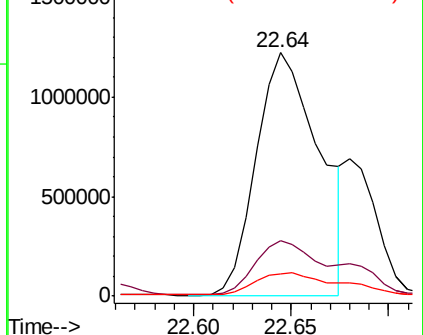
125 9.3 5.9 8.9#

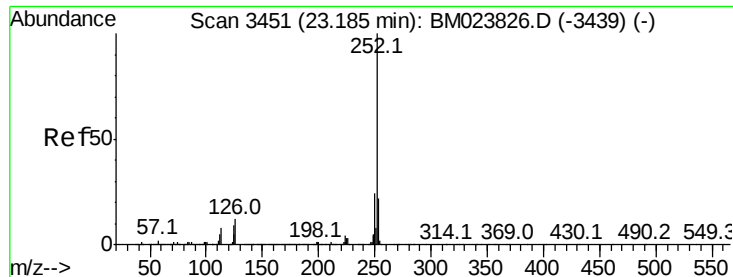


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 13.330 ng/ul

RT: 23.19 min Scan# 3452

Delta R.T. -0.01 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

Instrument :

BNA_M

ClientSampleId :

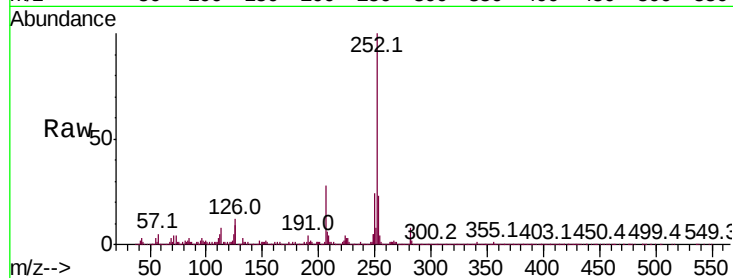
Tot Ion:252 Resp: 1974064

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	9.5	6.9	10.3

252 100

253 23.0 17.3 25.9

125 9.5 6.9 10.3

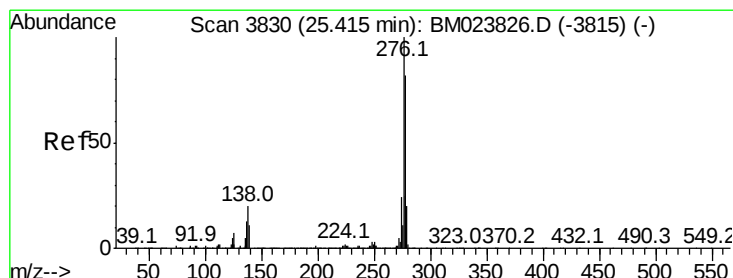
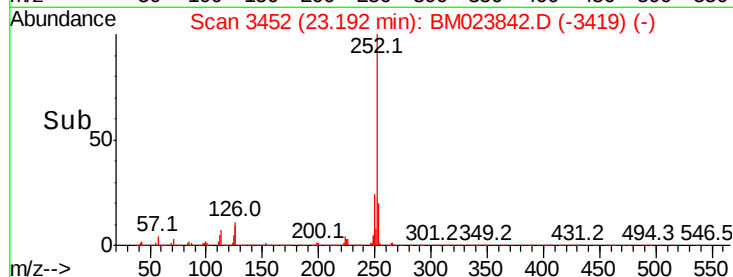
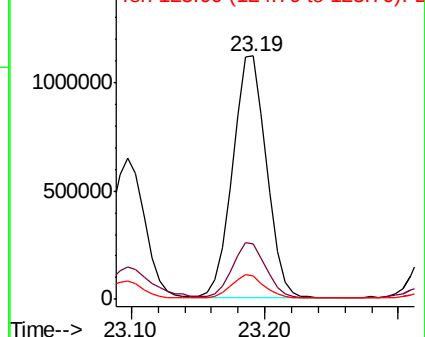


Abundance

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: 7.479 ng/ul

RT: 25.41 min Scan# 3830

Delta R.T. -0.02 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

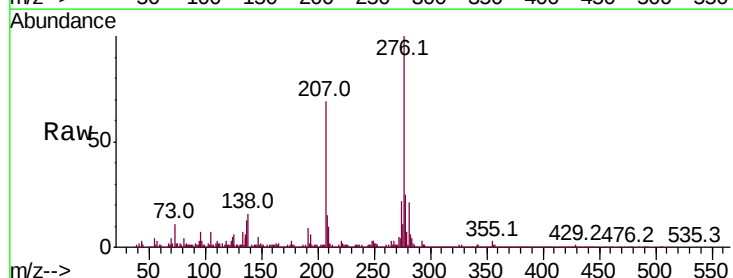
Tgt Ion:276 Resp: 1184351

Ion	Ratio	Lower	Upper
276	100		
138	16.2	15.0	22.4
277	24.8	20.0	30.0

276 100

138 16.2 15.0 22.4

277 24.8 20.0 30.0

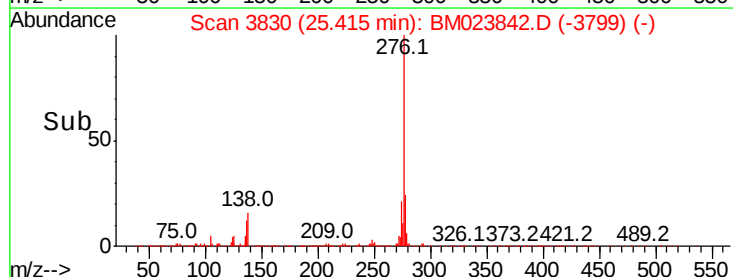
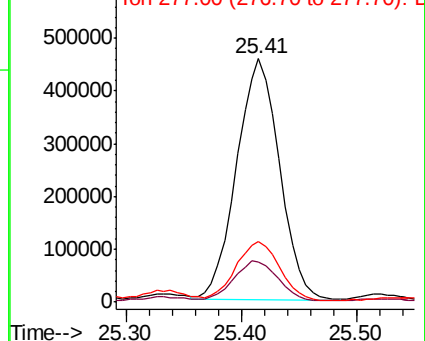


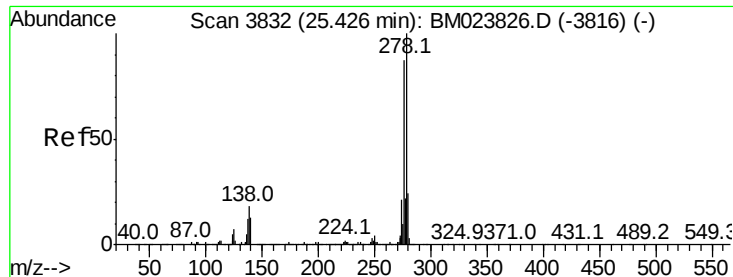
Abundance

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: 2.418 ng/ul

RT: 25.42 min Scan# 3831

Delta R.T. -0.02 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

Instrument :

BNA_M

ClientSampleId :

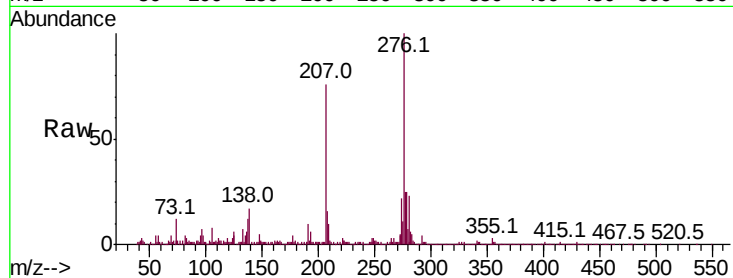
Tot Ion:278 Resp: 323133

Ion Ratio Lower Upper

278 100

139 0.0 10.0 15.0#

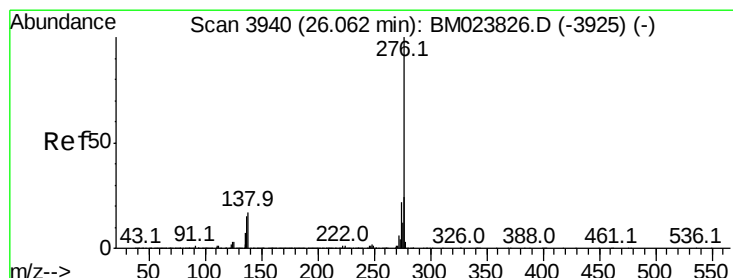
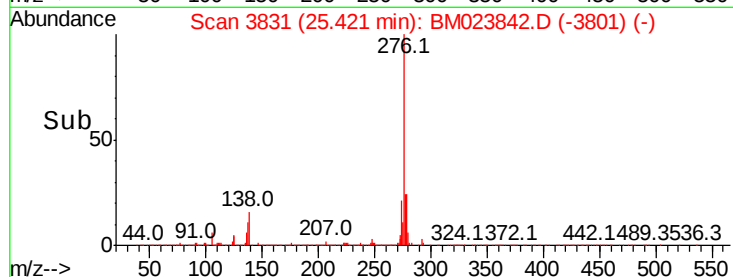
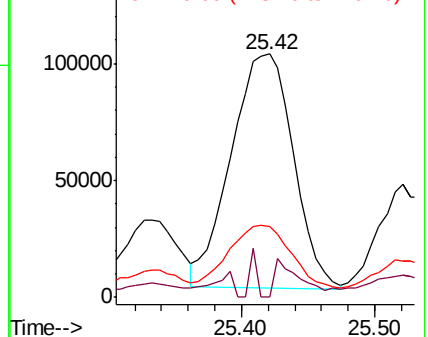
279 28.9 19.0 28.6#



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(g,h,i)perylene

Concen: 8.338 ng/ul

RT: 26.07 min Scan# 3941

Delta R.T. -0.02 min

Lab File: BM023842.D

Acq: 21 Nov 2019 22:55

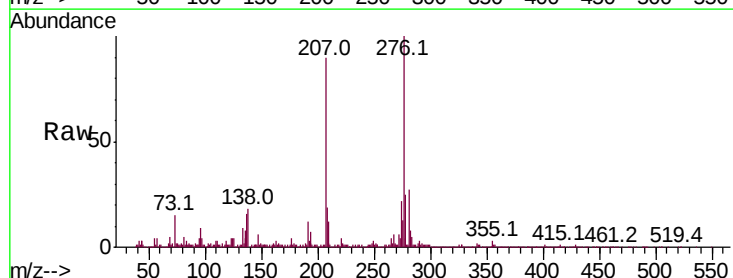
Tgt Ion:276 Resp: 1069886

Ion Ratio Lower Upper

276 100

138 17.6 13.2 19.8

277 24.6 18.6 28.0



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

