

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101417\
 Data File : BM012184.D
 Acq On : 14 Oct 2017 23:29
 Operator : SJ/JU
 Sample : I5522-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AD3

Quant Time: Oct 15 06:27:23 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Oct 15 06:19:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	132028	20.00	ng/ul	0.00
18) Naphthalene-d8	10.61	136	599353	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	413441	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.21	188	1148759	20.00	ng/ul	0.00
75) Chrysene-d12	21.39	240	1475617	20.00	ng/ul	0.00
83) Perylene-d12	23.70	264	1466416	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	8992	3.24	ng/uL	0.00
5) Phenol-d5	6.98	99	177252	16.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	112194	17.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	166258	18.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	164153	17.80	ng/ul	0.00
19) Nitrobenzene-d5	8.98	128	83489	18.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	100535	18.81	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	192771	18.89	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	5374	0.56	ng/ul	0.11
43) Dimethylphthalate-d6	13.87	166	724062	19.81	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	848026	19.17	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	75065	13.66	ng/ul	0.00
57) Fluorene-d10	15.46	176	678405	22.62	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	119249	15.13	ng/ul	0.00
70) Anthracene-d10	17.31	188	1127715	19.85	ng/ul	0.00
76) Pyrene-d10	19.60	212	1467571	19.59	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.55	264	1472902	20.83	ng/ul	0.00

Target Compounds

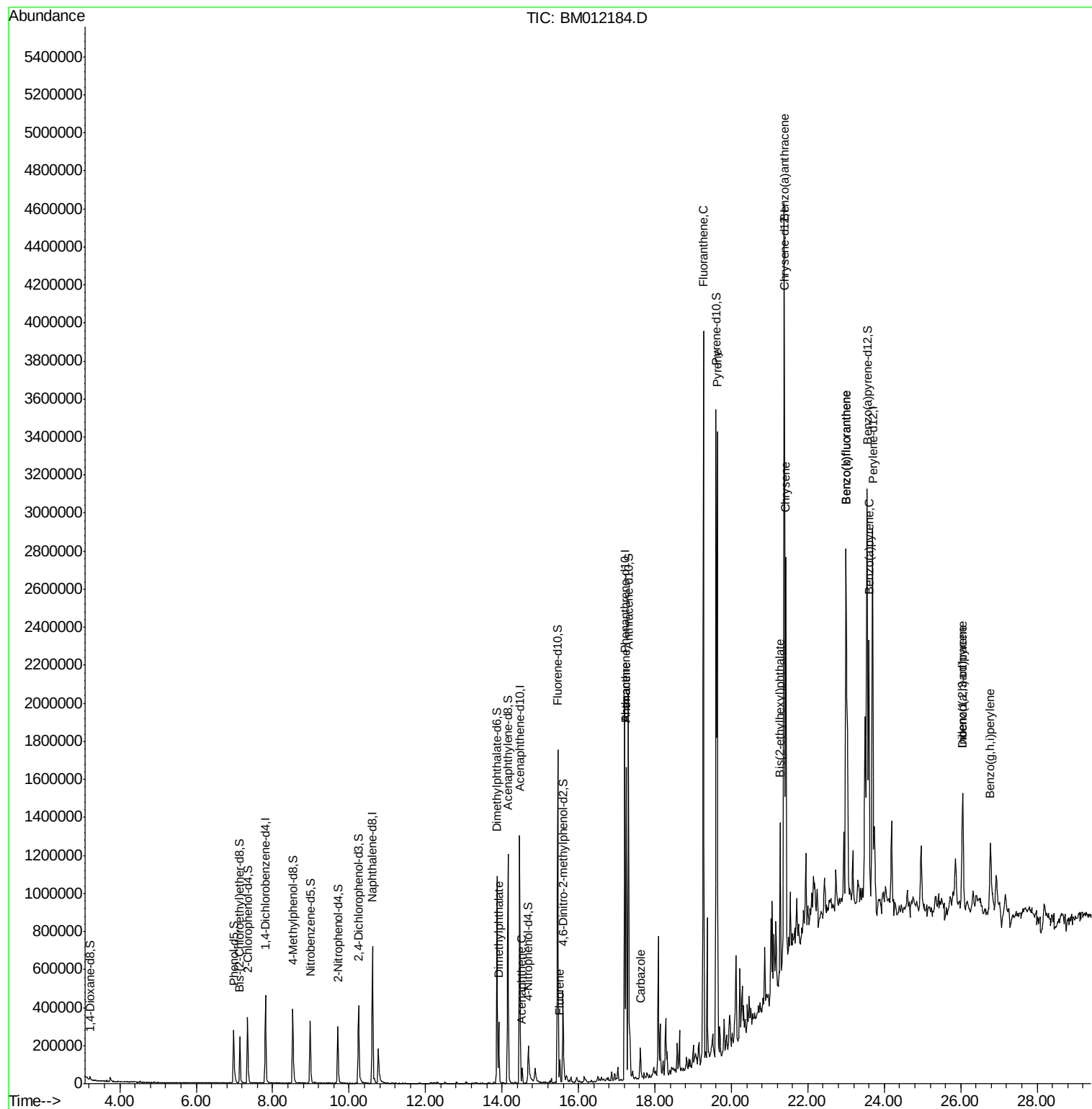
						Ovalue
44) Dimethylphthalate	13.92	163	211230	5.77	ng/ul	98
49) Acenaphthene	14.52	153	33241	1.14	ng/ul	99
58) Fluorene	15.51	166	46255	1.32	ng/ul	98
69) Phenanthrene	17.25	178	955859	14.63	ng/ul	98
71) Anthracene	17.25	178	955859	14.13	ng/ul	97
72) Carbazole	17.62	167	104428	1.82	ng/ul	96
74) Fluoranthene	19.27	202	2250974	28.54	ng/ul#	94
77) Pyrene	19.63	202	1894630	19.44	ng/ul#	93
80) Benzo(a)anthracene	21.37	228	1102100	11.48	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.28	149	240457	3.69	ng/ul#	98
82) Chrysene	21.43	228	1232573	13.67	ng/ul	97
85) Benzo(b)fluoranthene	23.00	252	1607526	16.80	ng/ul#	98
86) Benzo(k)fluoranthene	23.00	252	1607526	17.43	ng/ul#	96
88) Benzo(a)pyrene	23.60	252	989731	10.97	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.05	276	613807	6.41	ng/ul#	96
90) Dibenzo(a,h)anthracene	26.05	278	154629	1.92	ng/ul#	86
91) Benzo(g,h,i)perylene	26.78	276	488696	6.23	ng/ul#	94

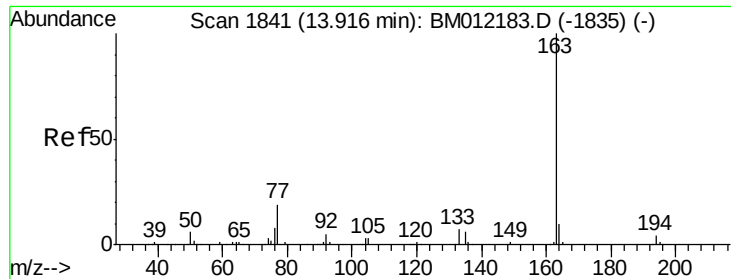
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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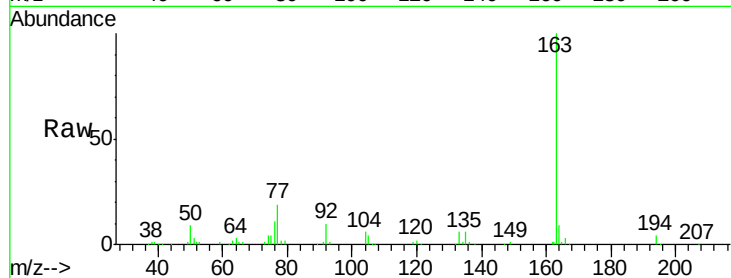




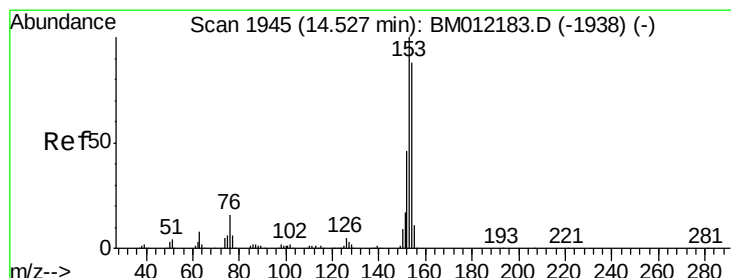
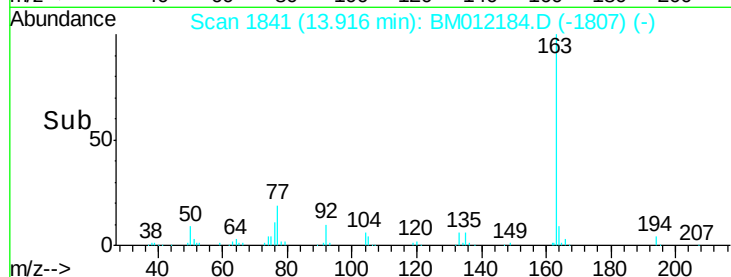
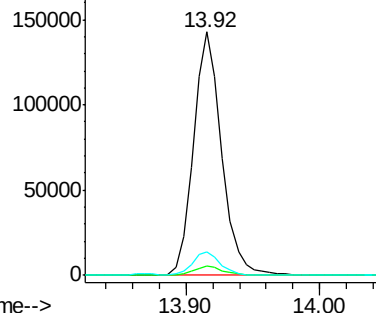
#44
Dimethylphthalate
Concen: 5.77 ng/ul
RT: 13.92 min Scan# 1841
Delta R.T. -0.00 min
Lab File: BM012184.D
Acq: 14 Oct 2017 23:29

Instrument :
BNA_M
ClientSampleId :
C0AD3

Tot Ion:163 Resp: 211230
Ion Ratio Lower Upper
163 100
194 4.0 3.5 5.3
164 9.4 8.2 12.4

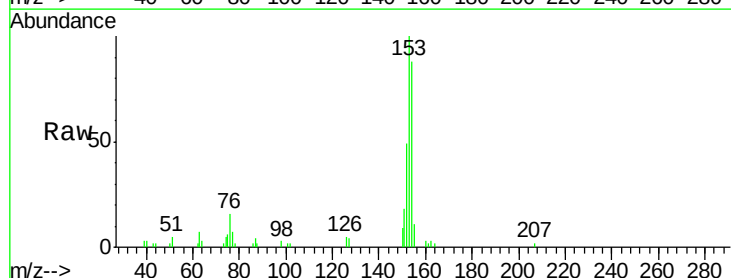


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

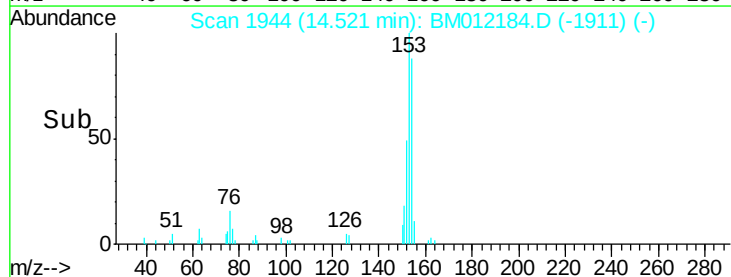
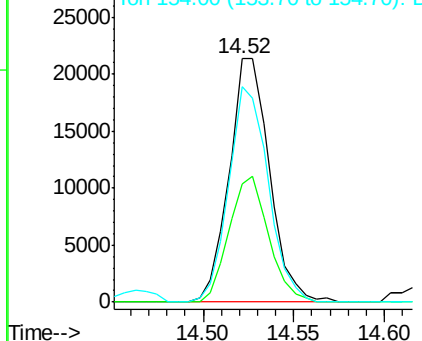


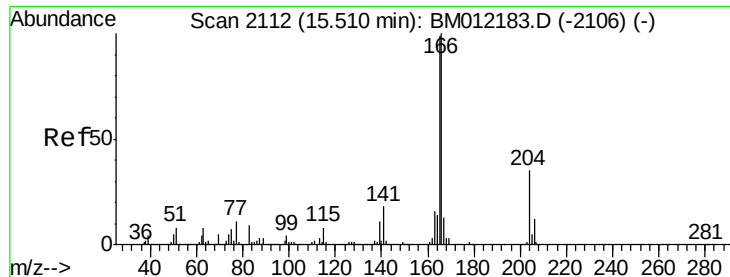
#49
Acenaphthene
Concen: 1.14 ng/ul
RT: 14.52 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BM012184.D
Acq: 14 Oct 2017 23:29

Tgt Ion:153 Resp: 33241
Ion Ratio Lower Upper
153 100
152 48.7 37.6 56.4
154 88.2 70.4 105.6



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





#58

Fluorene

Concen: 1.32 ng/ul

RT: 15.51 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BM012184.D

Acq: 14 Oct 2017 23:29

Instrument :

BNA_M

ClientSampleId :

C0AD3

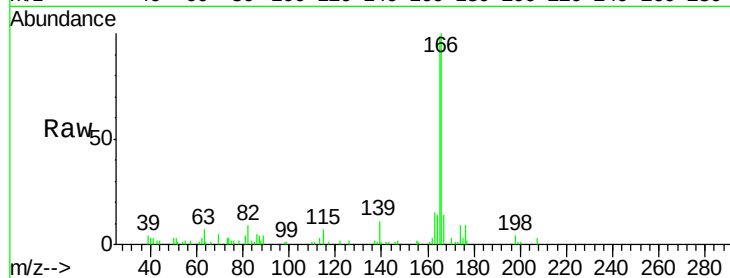
Tot Ion:166 Resp: 46255

Ion Ratio Lower Upper

166 100

165 98.8 77.9 116.9

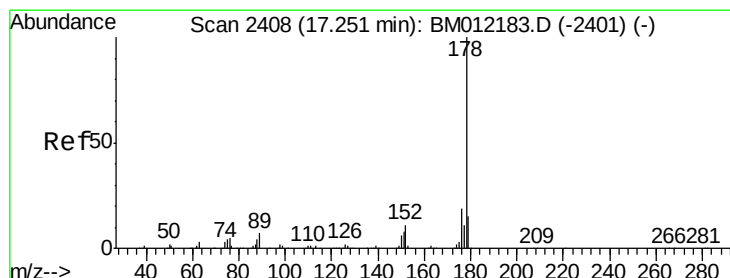
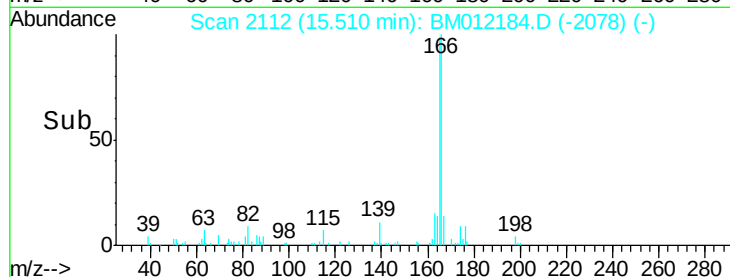
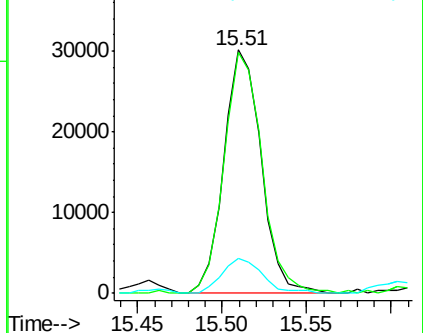
167 14.2 10.6 16.0



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



#69

Phenanthrene

Concen: 14.63 ng/ul

RT: 17.25 min Scan# 2408

Delta R.T. -0.00 min

Lab File: BM012184.D

Acq: 14 Oct 2017 23:29

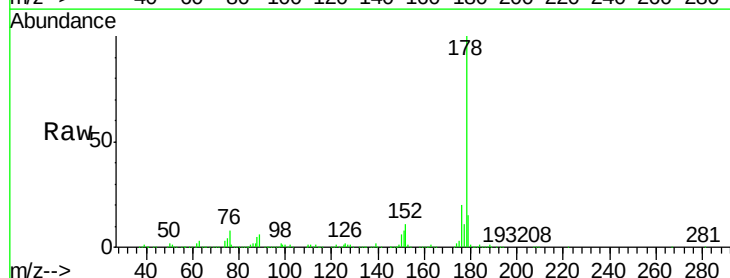
Tgt Ion:178 Resp: 955859

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

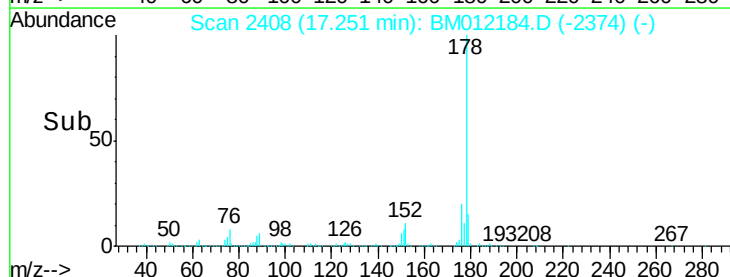
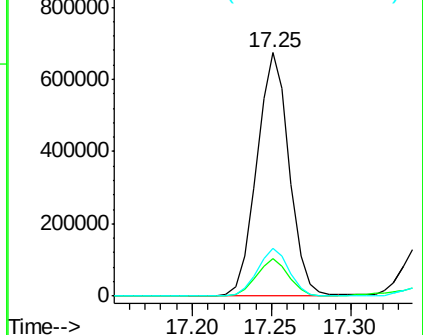
176 19.6 14.9 22.3

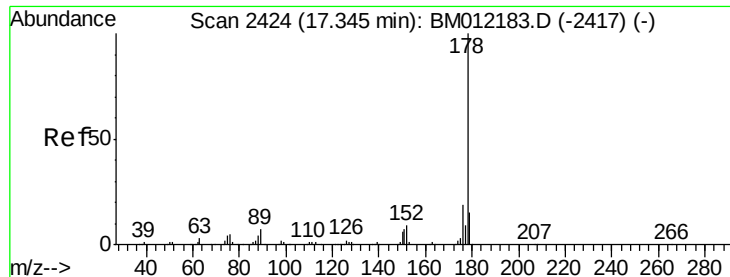


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

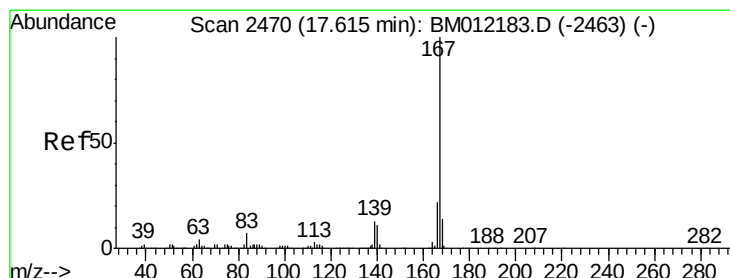
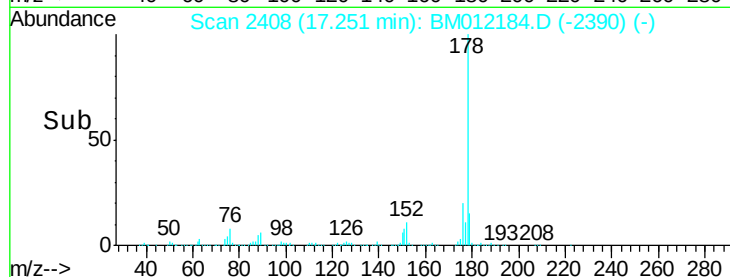
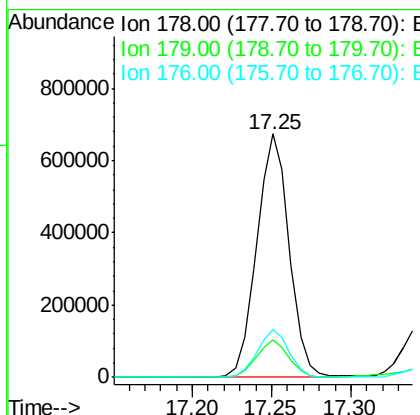
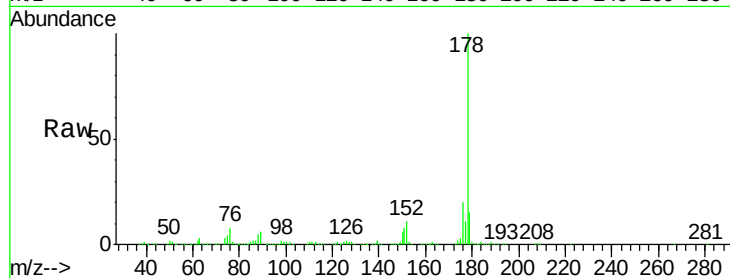




#71
 Anthracene
 Concen: 14.13 ng/ul
 RT: 17.25 min Scan# 2408
 Delta R.T. -0.09 min
 Lab File: BM012184.D
 Acq: 14 Oct 2017 23:29

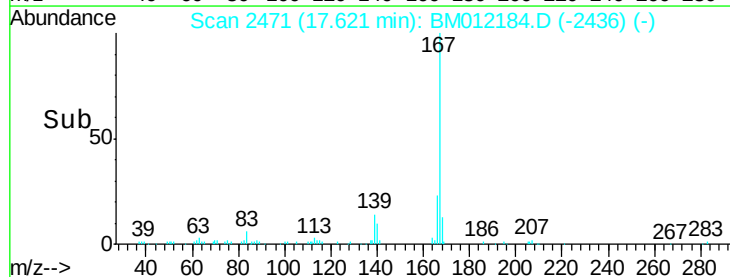
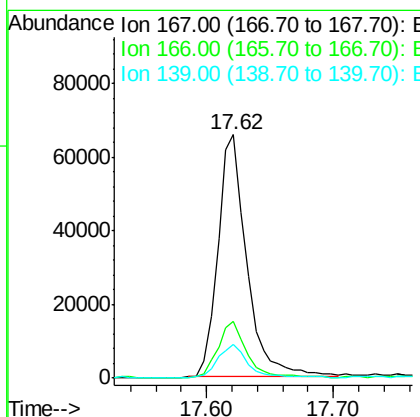
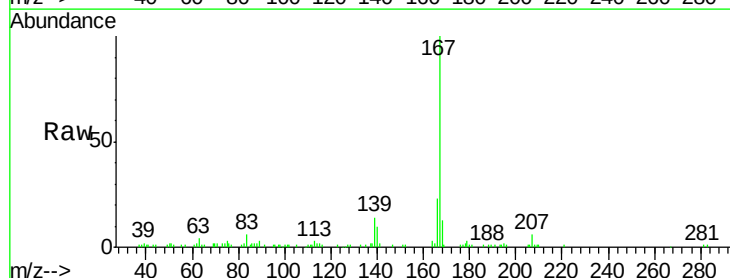
Instrument :
 BNA_M
 ClientSampleId :
 C0AD3

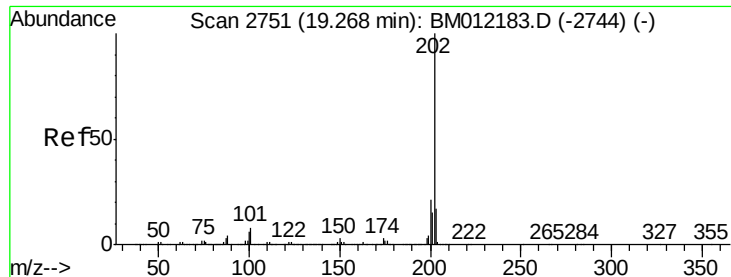
Tot Ion:178 Resp: 955859
 Ion Ratio Lower Upper
 178 100
 179 15.4 11.7 17.5
 176 19.6 14.6 21.8



#72
 Carbazole
 Concen: 1.82 ng/ul
 RT: 17.62 min Scan# 2471
 Delta R.T. 0.01 min
 Lab File: BM012184.D
 Acq: 14 Oct 2017 23:29

Tgt Ion:167 Resp: 104428
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.1 25.7
 139 14.1 10.0 15.0





#74

Fluoranthene

Concen: 28.54 ng/ul

RT: 19.27 min Scan# 2751

Delta R.T. -0.00 min

Lab File: BM012184.D

Acq: 14 Oct 2017 23:29

Instrument :

BNA_M

ClientSampleId :

C0AD3

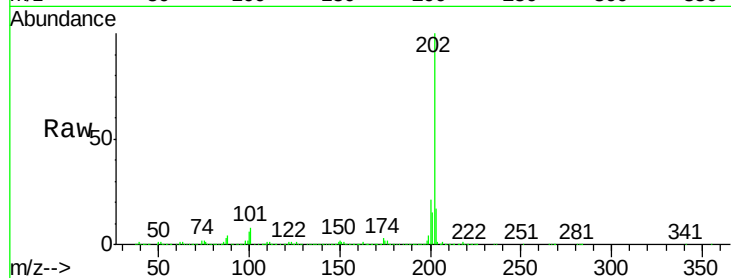
Tot Ion:202 Resp: 2250974

Ion Ratio Lower Upper

202 100

101 7.8 4.6 7.0#

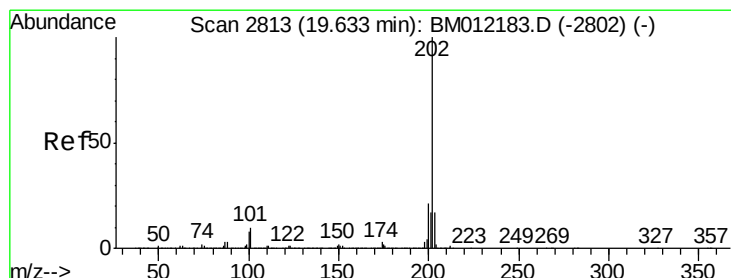
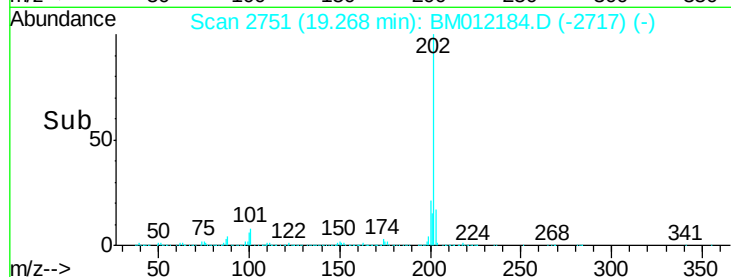
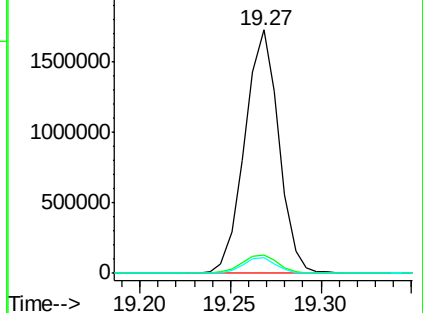
100 6.3 3.4 5.2#



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): B



#77

Pyrene

Concen: 19.44 ng/ul

RT: 19.63 min Scan# 2813

Delta R.T. -0.00 min

Lab File: BM012184.D

Acq: 14 Oct 2017 23:29

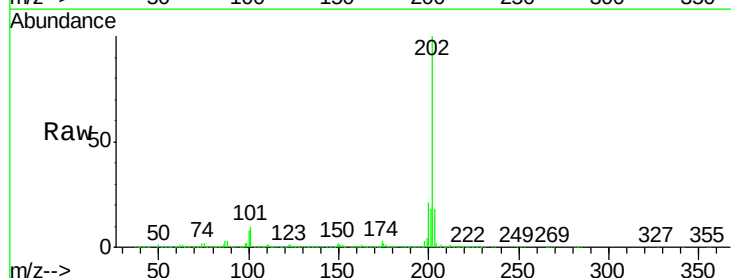
Tgt Ion:202 Resp: 1894630

Ion Ratio Lower Upper

202 100

101 9.5 5.1 7.7#

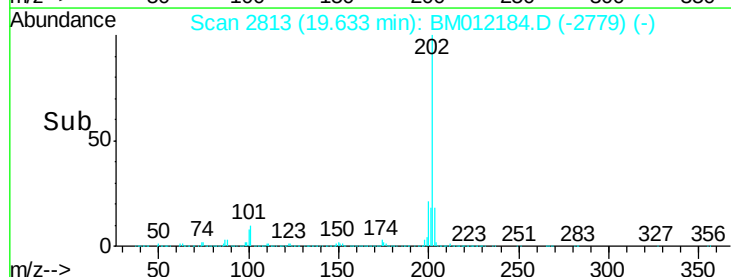
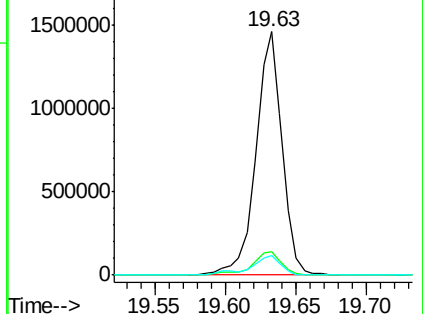
100 8.0 4.9 7.3#

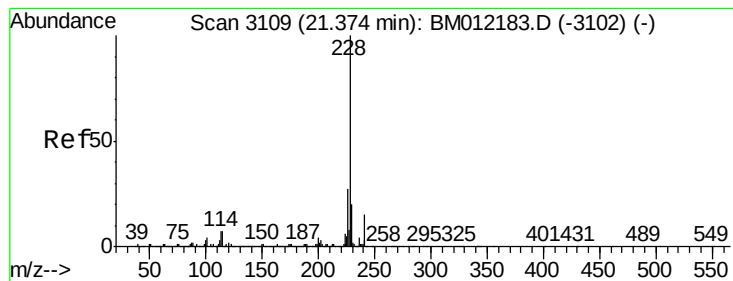


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 11.48 ng/ul

RT: 21.37 min Scan# 3109

Delta R.T. -0.00 min

Lab File: BM012184.D

Acq: 14 Oct 2017 23:29

Instrument :

BNA_M

ClientSampled :

C0AD3

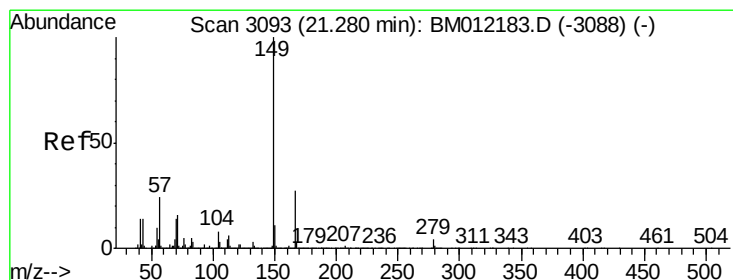
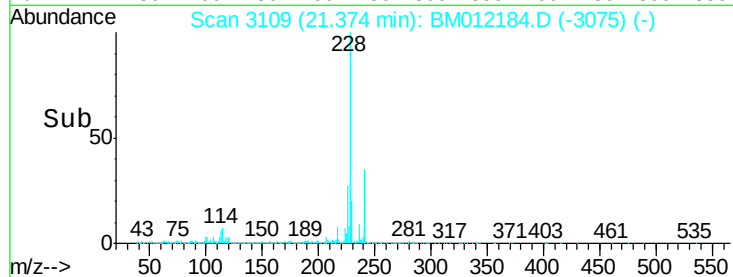
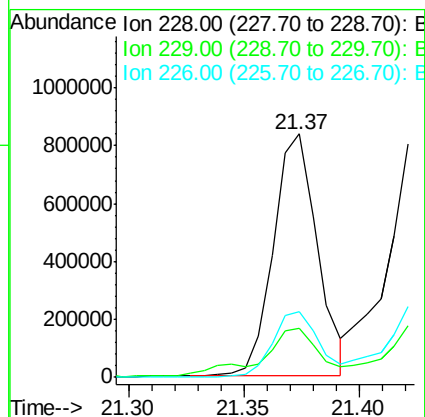
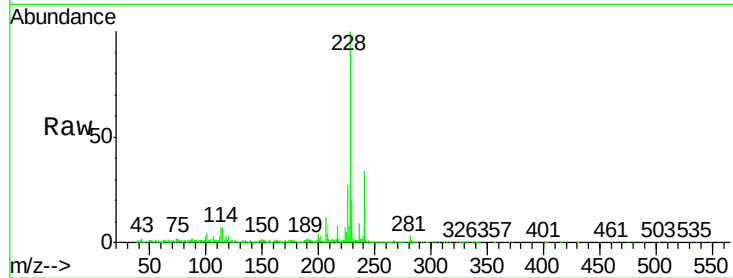
Tot Ion:228 Resp: 1102100

Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.4	23.0
226	26.8	21.4	32.0

228 100

229 20.2 15.4 23.0

226 26.8 21.4 32.0



#81

Bis(2-ethylhexyl)phthalate

Concen: 3.69 ng/ul

RT: 21.28 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BM012184.D

Acq: 14 Oct 2017 23:29

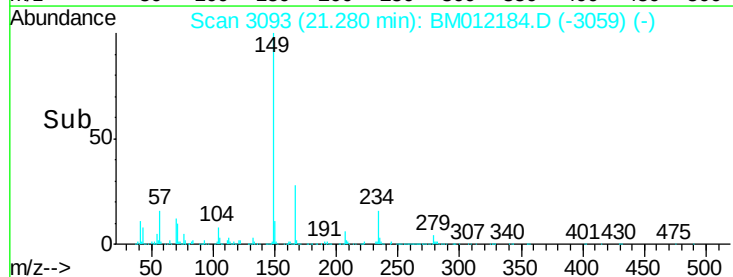
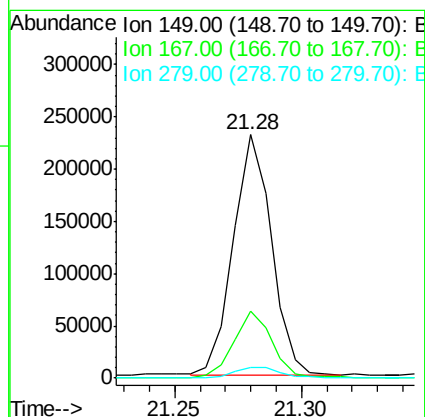
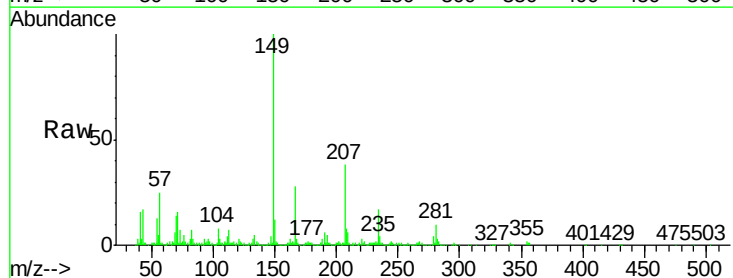
Tgt Ion:149 Resp: 240457

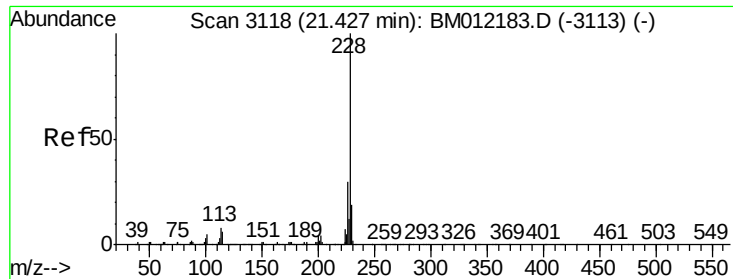
Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.8	34.2
279	4.3	4.9	7.3#

149 100

167 27.6 22.8 34.2

279 4.3 4.9 7.3#





#82

Chrysene

Concen: 13.67 ng/ul

RT: 21.43 min Scan# 3118

Delta R.T. -0.00 min

Lab File: BM012184.D

Acq: 14 Oct 2017 23:29

Instrument :

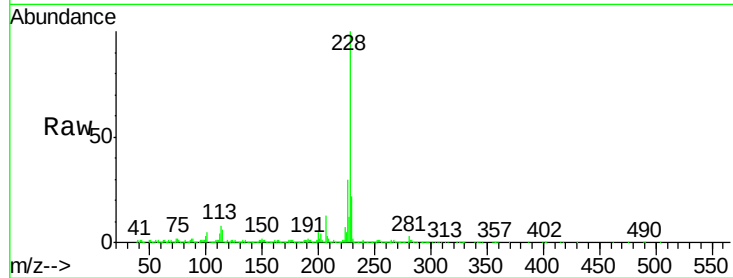
BNA_M

ClientSampled :

C0AD3

Tot Ion:228 Resp: 1232573

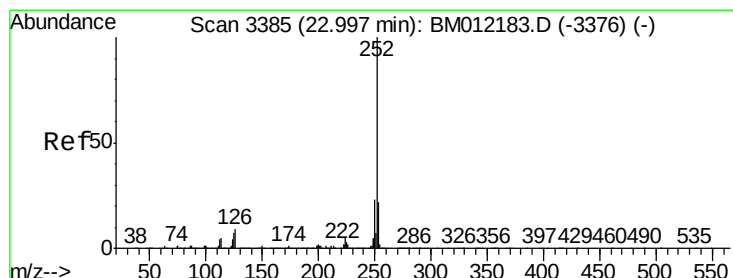
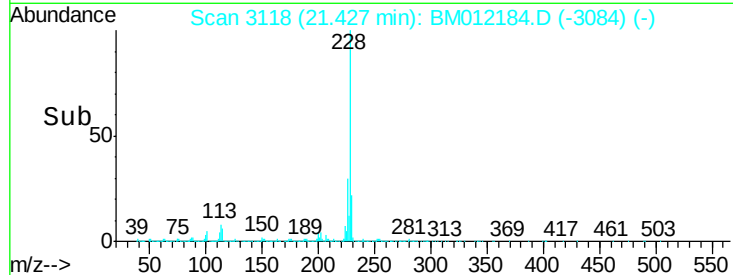
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.2
229	21.8	15.5	23.3



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



#85

Benzo(b)fluoranthene

Concen: 16.80 ng/ul

RT: 23.00 min Scan# 3385

Delta R.T. -0.00 min

Lab File: BM012184.D

Acq: 14 Oct 2017 23:29

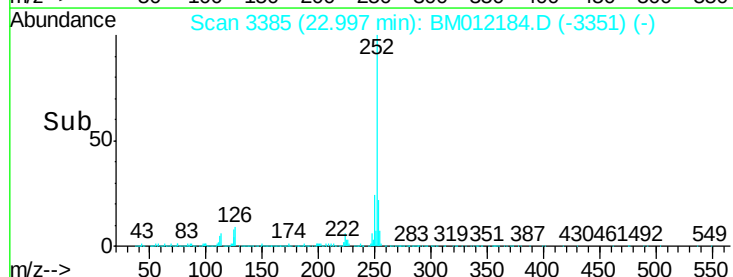
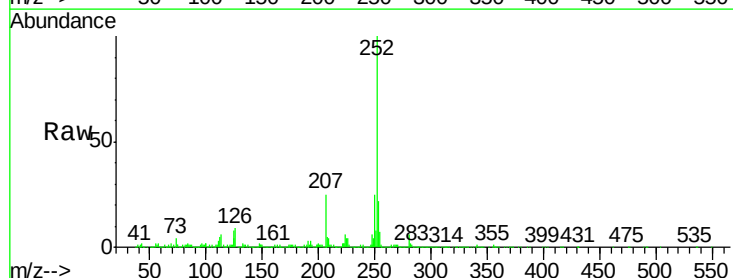
Tgt Ion:252 Resp: 1607526

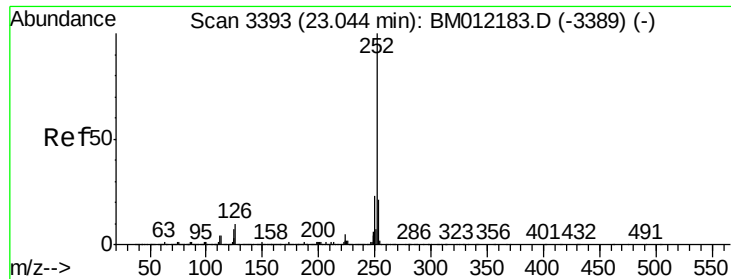
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	7.9	3.6	5.4

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





#86

Benzo(k)fluoranthene

Concen: 17.43 ng/ul

RT: 23.00 min Scan# 3385

Delta R.T. -0.05 min

Lab File: BM012184.D

Acq: 14 Oct 2017 23:29

Instrument :

BNA_M

ClientSampleId :

C0AD3

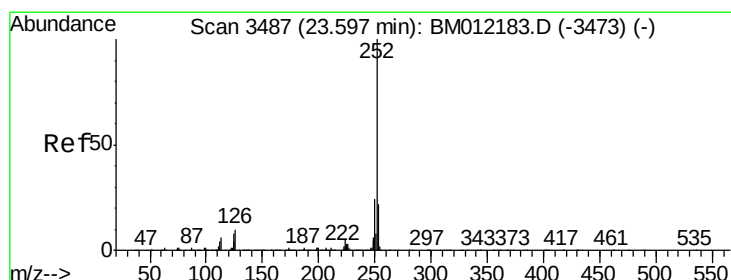
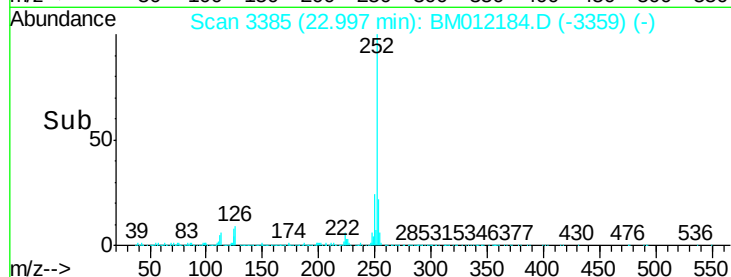
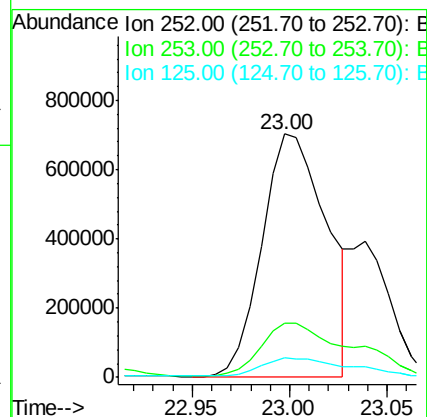
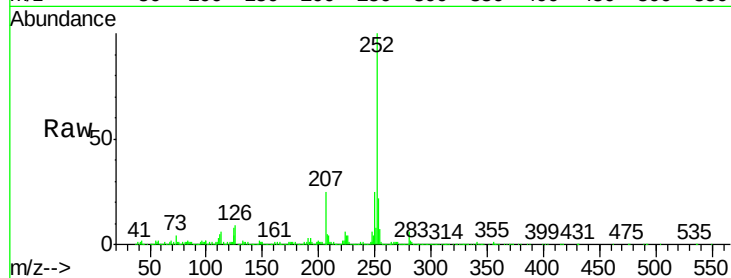
Tot Ion:252 Resp: 1607526

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

125 7.9 3.4 5.2#



#88

Benzo(a)pyrene

Concen: 10.97 ng/ul

RT: 23.60 min Scan# 3487

Delta R.T. -0.00 min

Lab File: BM012184.D

Acq: 14 Oct 2017 23:29

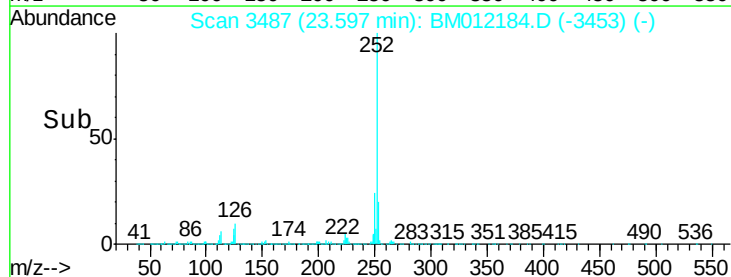
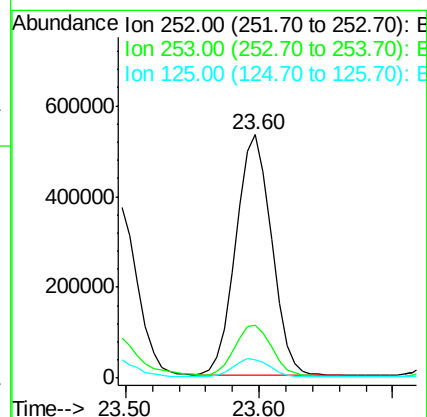
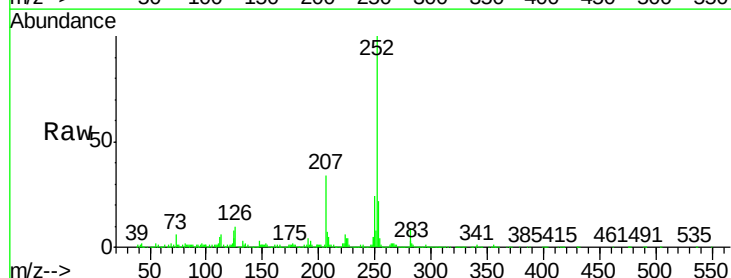
Tgt Ion:252 Resp: 989731

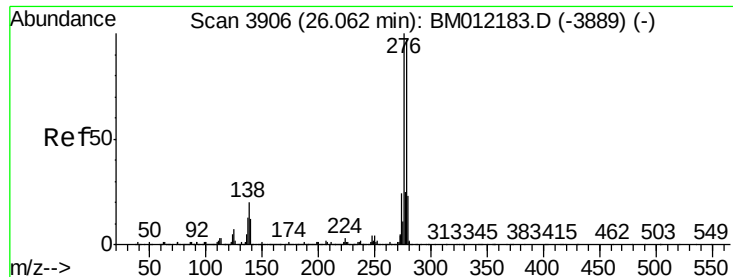
Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.2

125 7.7 4.0 6.0#

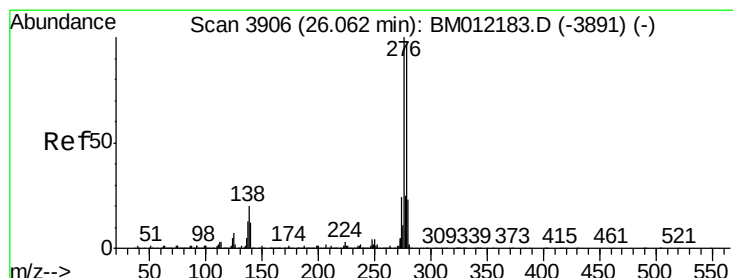
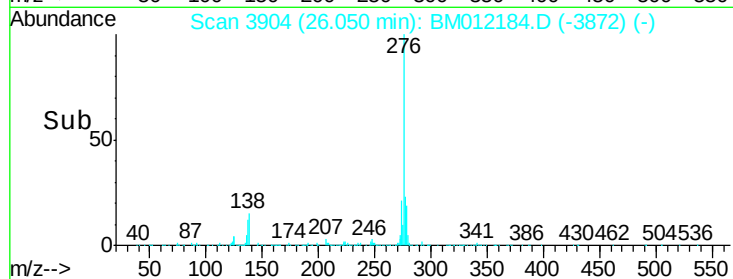
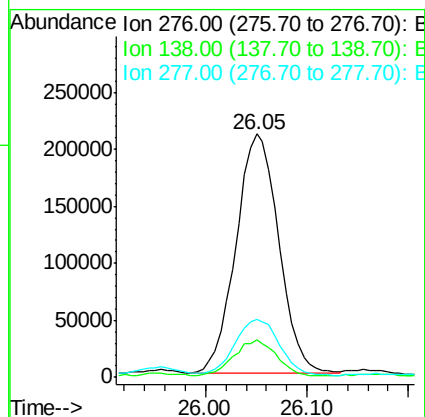
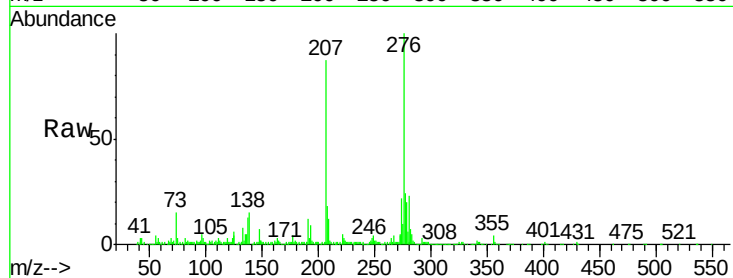




#89
Indeno(1,2,3-cd)pyrene
Concen: 6.41 ng/ul
RT: 26.05 min Scan# 3904
Delta R.T. -0.01 min
Lab File: BM012184.D
Acq: 14 Oct 2017 23:29

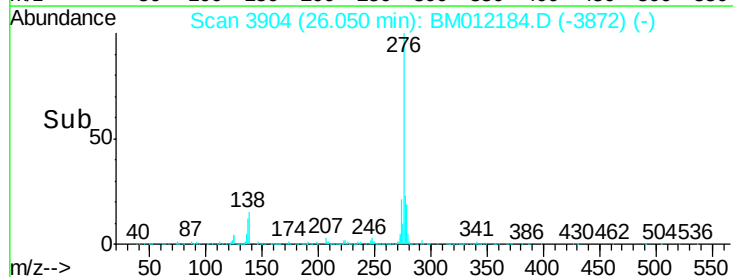
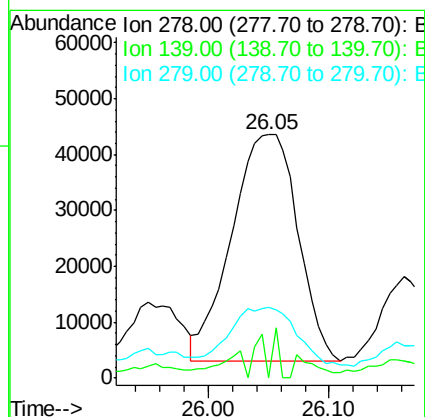
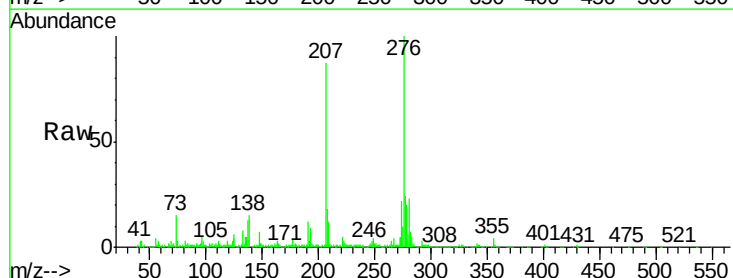
Instrument :
BNA_M
ClientSampleId :
C0AD3

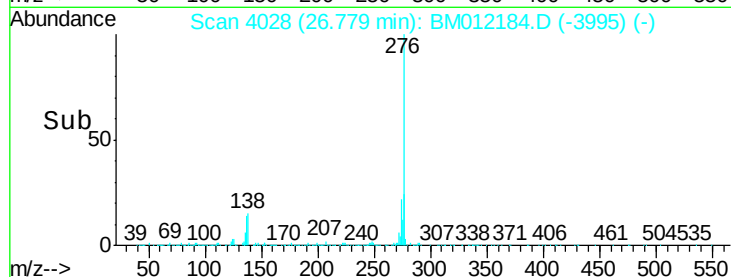
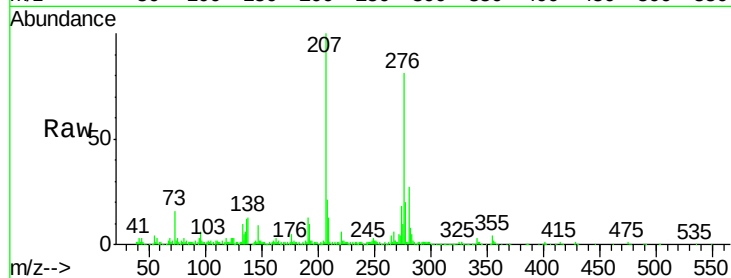
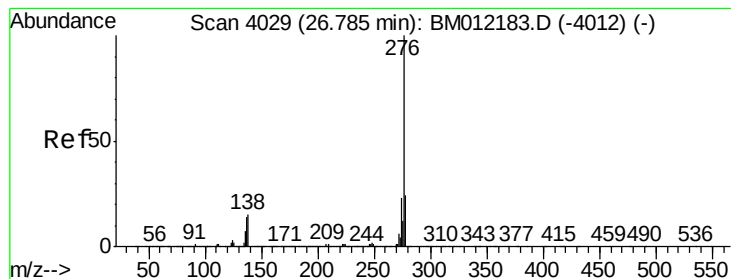
Tot Ion:276 Resp: 613807
Ion Ratio Lower Upper
276 100
138 15.2 9.3 13.9#
277 23.9 19.9 29.9



#90
Dibenzo(a,h)anthracene
Concen: 1.92 ng/ul
RT: 26.05 min Scan# 3904
Delta R.T. -0.01 min
Lab File: BM012184.D
Acq: 14 Oct 2017 23:29

Tgt Ion:278 Resp: 154629
Ion Ratio Lower Upper
278 100
139 0.0 5.8 8.8#
279 29.2 18.6 27.8#





#91

Benzo(a,h,i)perylene

Concen: 6.23 ng/ul

RT: 26.78 min Scan# 4028

Delta R.T. -0.01 min

Lab File: BM012184.D

Acq: 14 Oct 2017 23:29

Instrument :

BNA_M

ClientSampleId :

C0AD3

Tot Ion:276 Resp: 488696

Ion Ratio Lower Upper

276 100

138 15.7 8.5 12.7#

277 24.3 18.6 28.0

