

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
 Data File : BM003206.D
 Acq On : 20 Nov 2015 00:58
 Operator : UM/IZ
 Sample : G4323-26
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J46

Quant Time: Nov 20 03:41:59 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 03:16:26 2015
 Response via : Initial Calibration

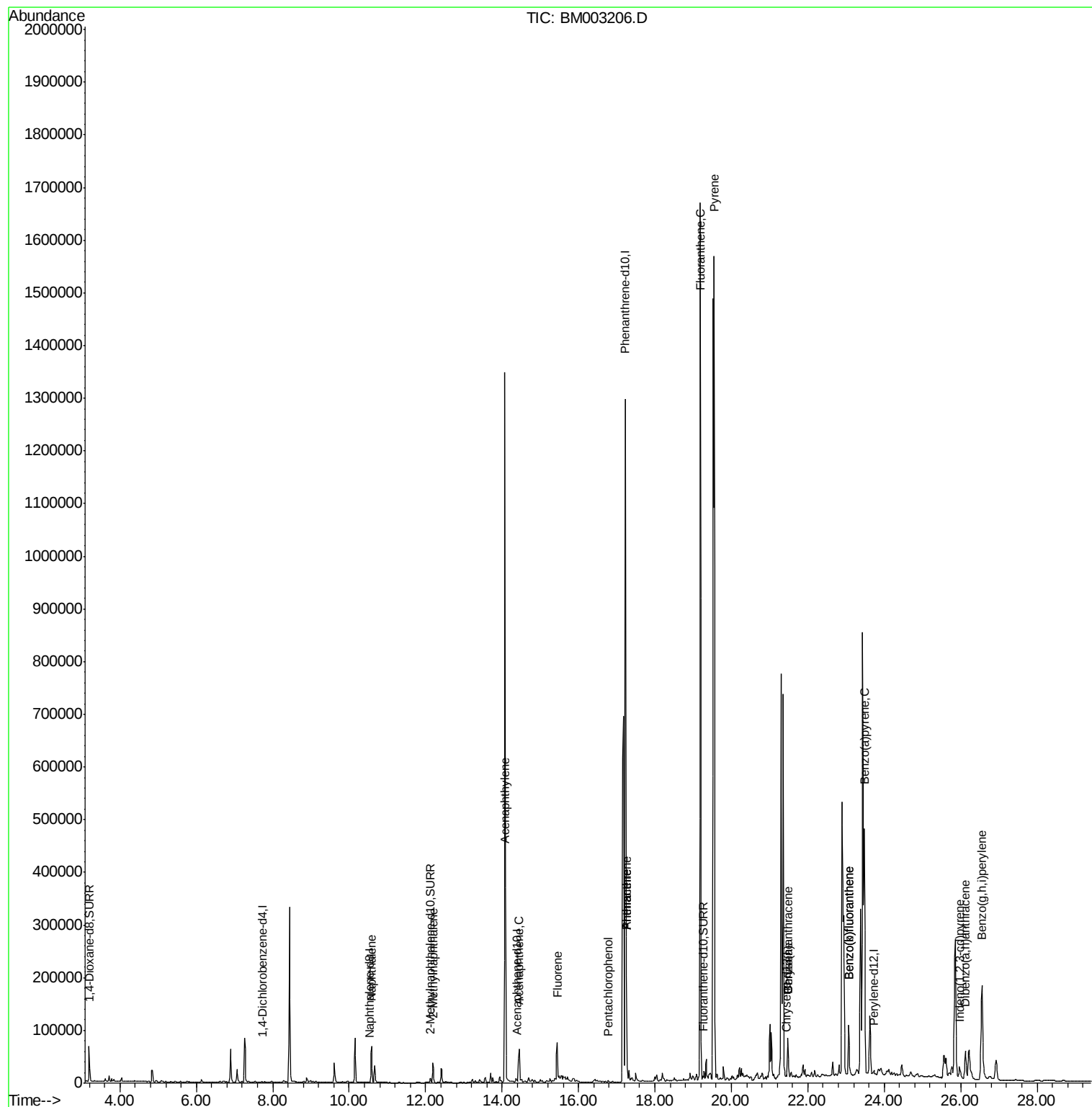
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	259	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	1366	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	2191	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	1531943	0.40	ng/ul	0.10
18) Chrysene-d12	21.45	240	280	0.40	ng/ul	0.11
22) Perylene-d12	23.73	264	2657	0.40	ng/ul	0.15
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	47723	172.47	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	11032	5.94	ng/ul	0.00
16) Fluoranthene-d10	19.26	212	697	0.00	ng/ul	0.10
Target Compounds				Ovalue		
5) Naphthalene	10.58	128	98952	28.22	ng/ul	100
7) 2-Methylnaphthalene	12.19	142	27007	11.83	ng/ul#	100
9) Acenaphthylene	14.09	152	70125	7.69	ng/ul	98
10) Acenaphthene	14.45	153	45999	5.97	ng/ul	99
11) Fluorene	15.44	166	67397	8.09	ng/ul	99
13) Pentachlorophenol	16.78	266	1699	0.00	ng/ul#	14
14) Phenanthrene	17.26	178	228470	0.05	ng/ul	97
15) Anthracene	17.26	178	224616	0.06	ng/ul	100
17) Fluoranthene	19.19	202	1538191	0.31	ng/ul	98
19) Pyrene	19.55	202	1461578	1522.52	ng/ul	99
20) Benzo(a)anthracene	21.48	228	67278	82.86	ng/ul#	55
21) Chrysene	21.48	228	67278	73.58	ng/ul#	59
23) Benzo(b)fluoranthene	23.07	252	129175	12.79	ng/ul	88
24) Benzo(k)fluoranthene	23.07	252	129175	13.52	ng/ul#	89
25) Benzo(a)pyrene	23.48	252	624345	69.48	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.97	276	10542	0.98	ng/ul#	100
27) Dibenzo(a,h)anthracene	26.13	278	78449	9.06	ng/ul	94
28) Benzo(a,h,i)perylene	26.56	276	241080	25.63	ng/ul	98

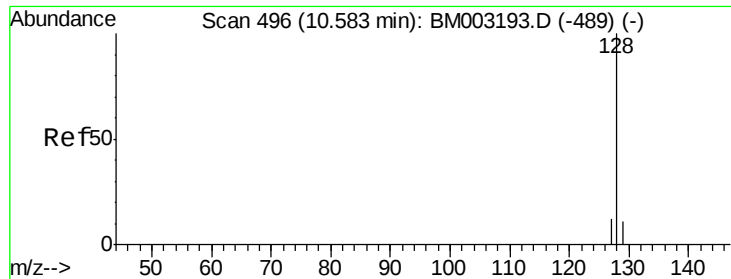
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 28.22 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. -0.00 min

Lab File: BM003206.D

Acq: 20 Nov 2015 00:58

Instrument :

BNA_M

ClientSampleId :

A4J46

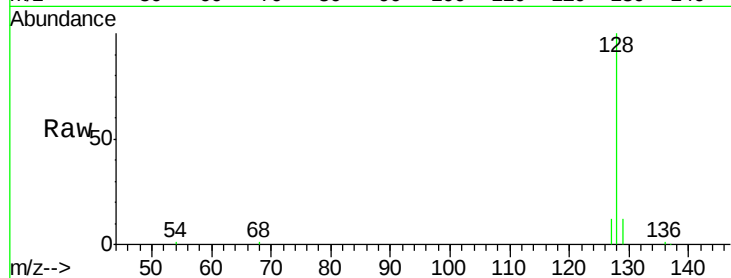
Tot Ion:128 Resp: 98952

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

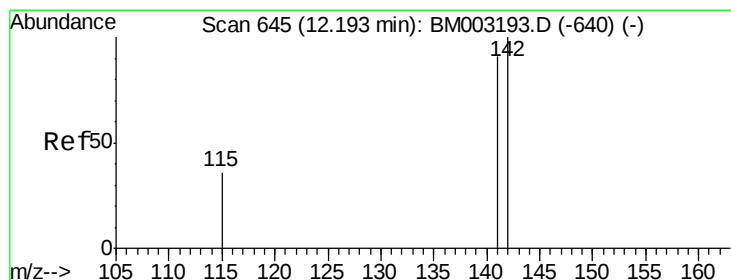
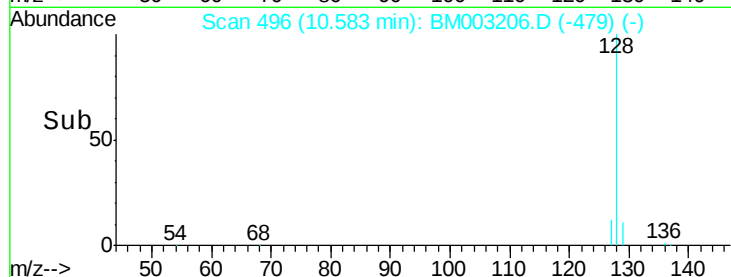
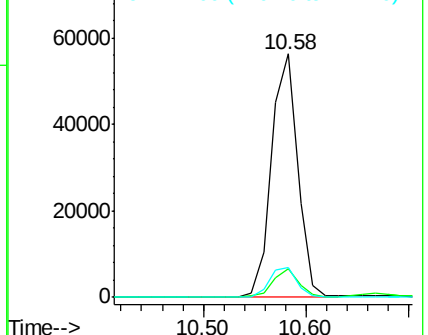
127 12.1 9.6 14.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 11.83 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003206.D

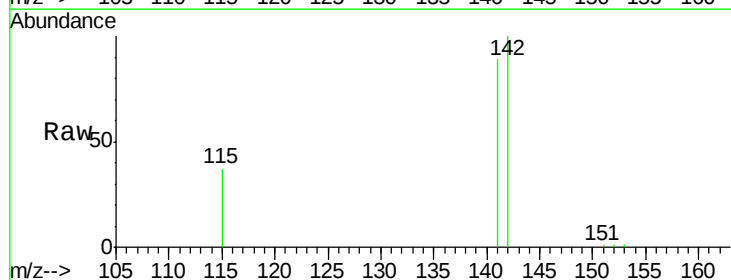
Acq: 20 Nov 2015 00:58

Tgt Ion:142 Resp: 27007

Ion Ratio Lower Upper

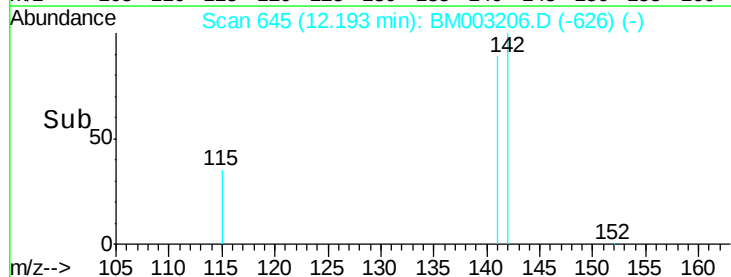
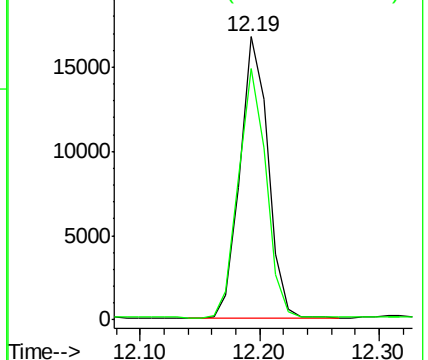
142 100

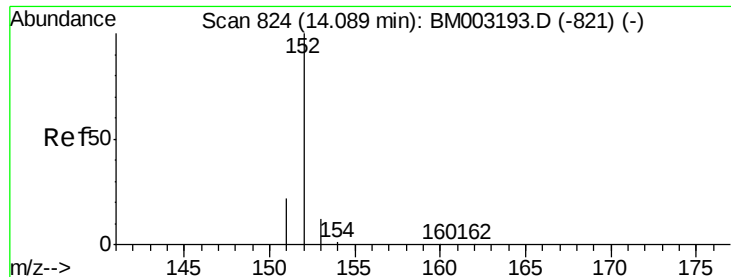
141 87.8 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 7.69 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003206.D

Acq: 20 Nov 2015 00:58

Instrument :

BNA_M

ClientSampleId :

A4J46

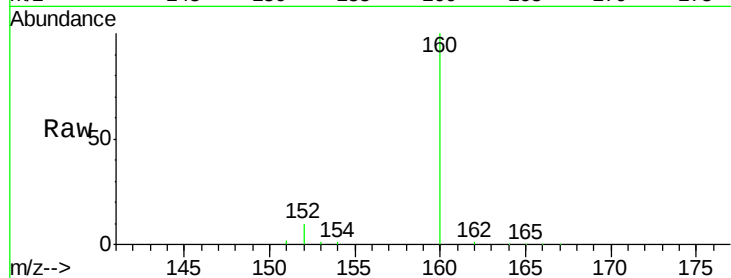
Tot Ion:152 Resp: 70125

Ion Ratio Lower Upper

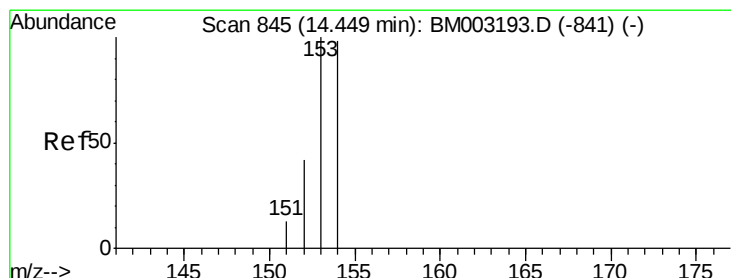
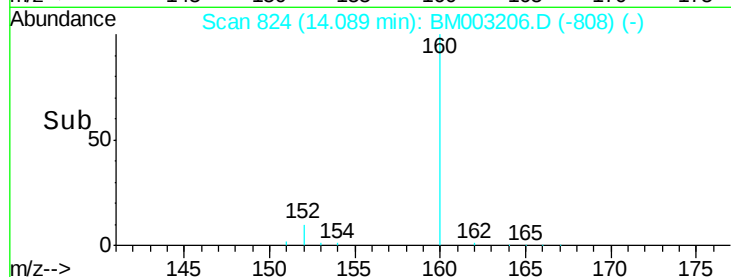
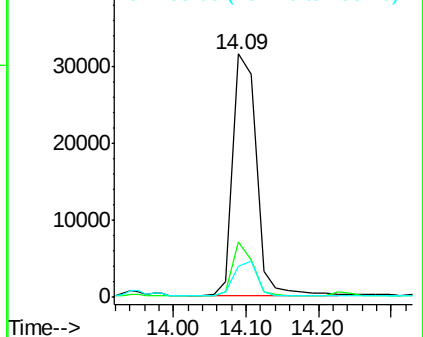
152 100

151 22.9 17.6 26.4

153 12.6 9.7 14.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#10

Acenaphthene

Concen: 5.97 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM003206.D

Acq: 20 Nov 2015 00:58

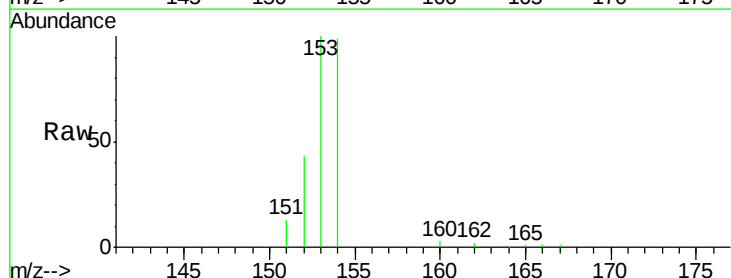
Tgt Ion:153 Resp: 45999

Ion Ratio Lower Upper

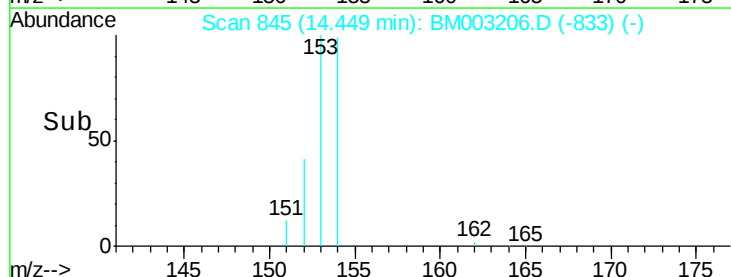
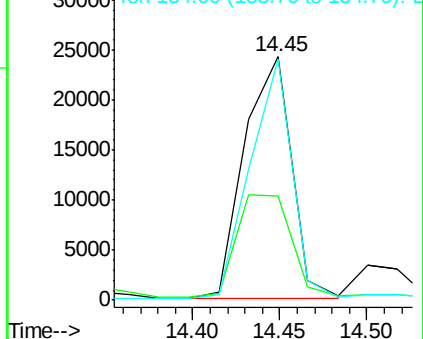
153 100

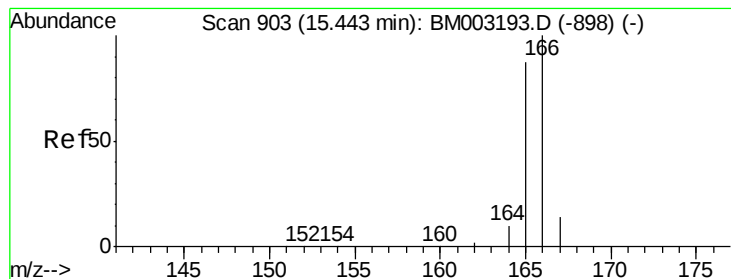
152 42.8 33.9 50.9

154 99.1 80.6 121.0



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





#11

Fluorene

Concen: 8.09 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. -0.00 min

Lab File: BM003206.D

Acq: 20 Nov 2015 00:58

Instrument :

BNA_M

ClientSampleId :

A4J46

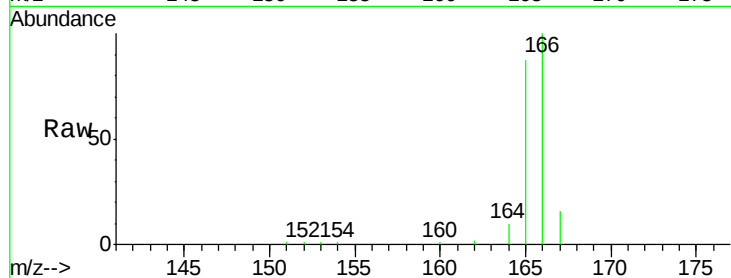
Tot Ion:166 Resp: 67397

Ion Ratio Lower Upper

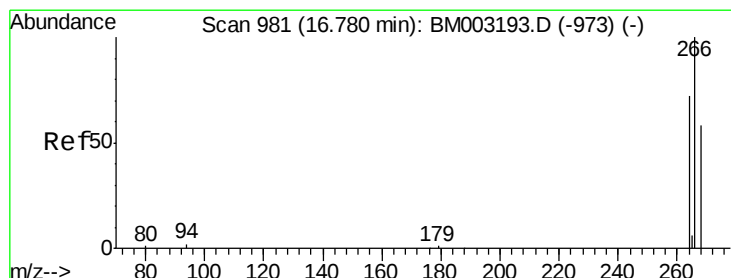
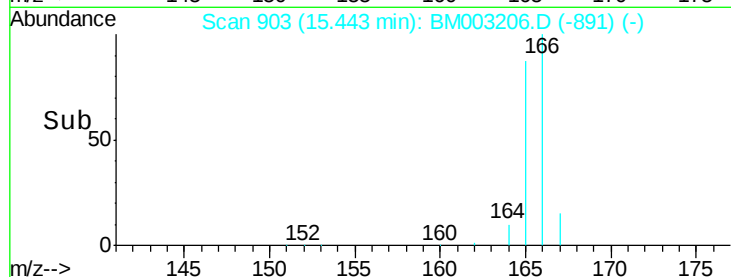
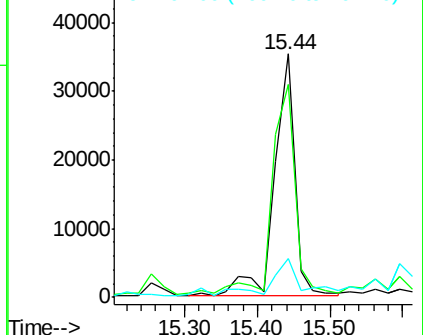
166 100

165 87.4 69.6 104.4

167 15.8 11.9 17.9



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



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. -0.00 min

Lab File: BM003206.D

Acq: 20 Nov 2015 00:58

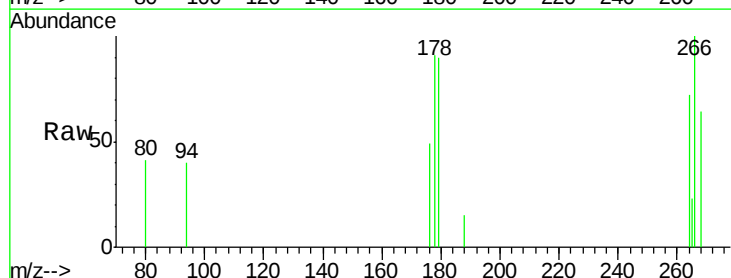
Tgt Ion:266 Resp: 1699

Ion Ratio Lower Upper

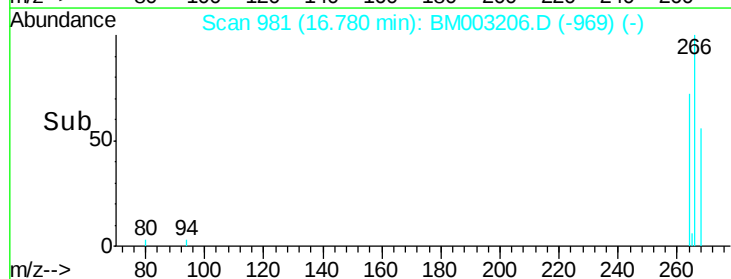
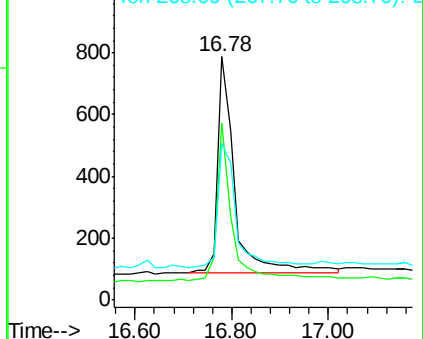
266 100

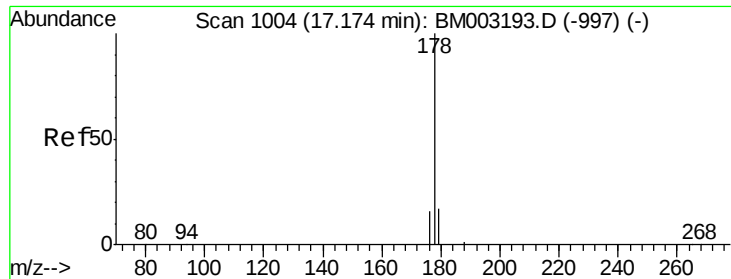
264 65.0 0.3 0.5#

268 65.3 0.0 0.0#



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.05 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.09 min

Lab File: BM003206.D

Acq: 20 Nov 2015 00:58

Instrument :

BNA_M

ClientSampleId :

A4J46

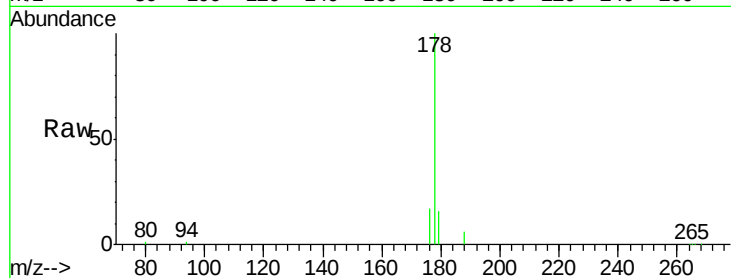
Tot Ion:178 Resp: 228470

Ion Ratio Lower Upper

178 100

176 17.4 13.0 19.4

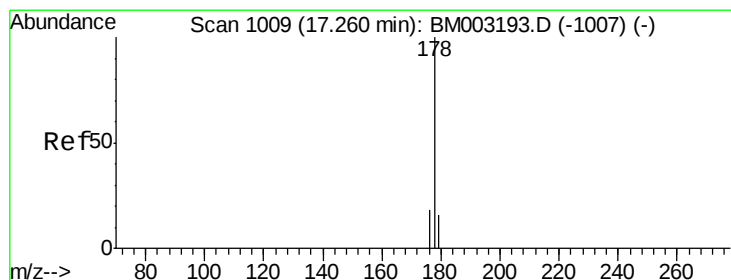
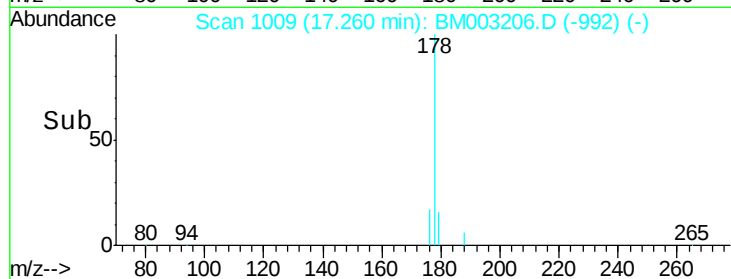
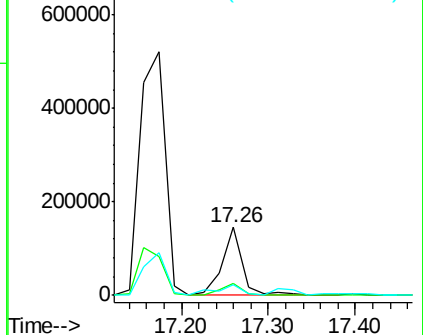
179 16.2 14.2 21.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#15

Anthracene

Concen: 0.06 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003206.D

Acq: 20 Nov 2015 00:58

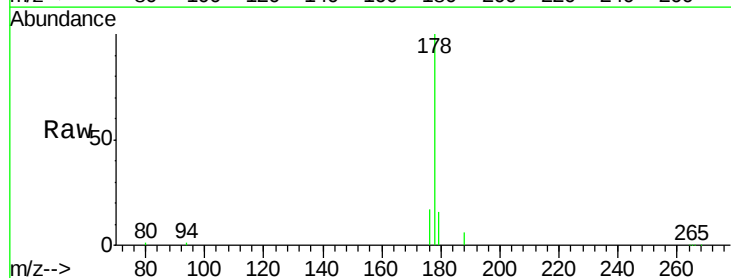
Tgt Ion:178 Resp: 224616

Ion Ratio Lower Upper

178 100

176 17.4 14.0 21.0

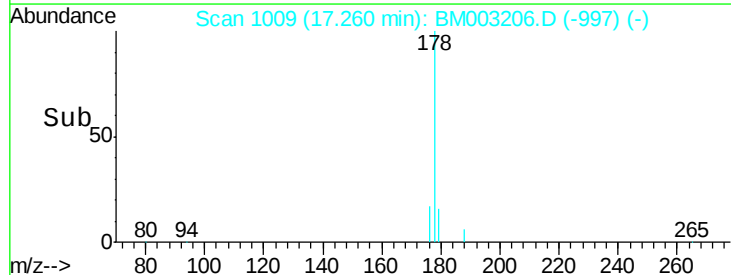
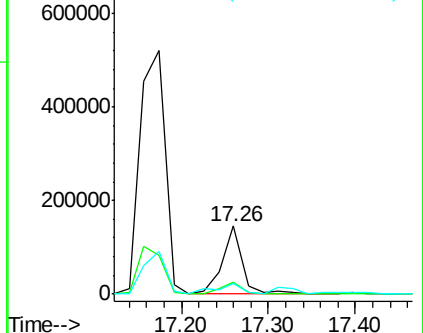
179 16.2 12.9 19.3

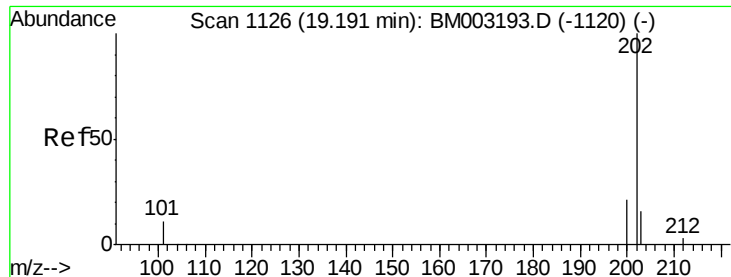


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

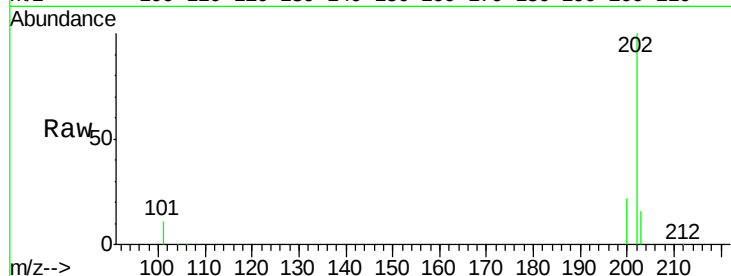




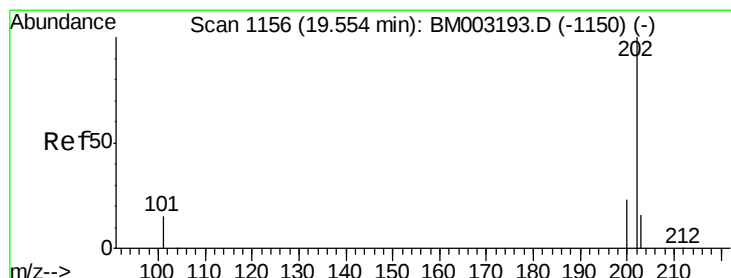
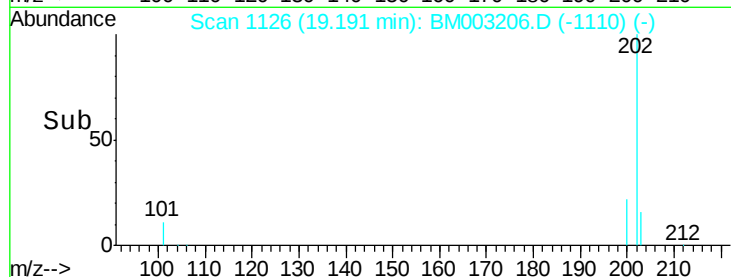
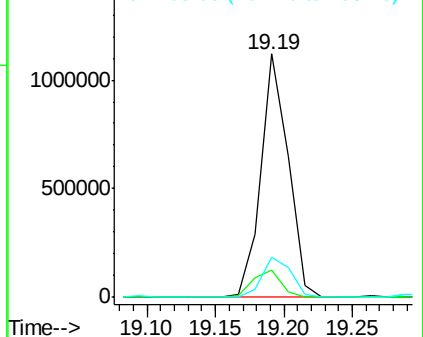
#17
 Fluoranthene
 Concen: 0.31 ng/ul
 RT: 19.19 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: BM003206.D
 Acq: 20 Nov 2015 00:58

Instrument :
 BNA_M
 ClientSampleId :
 A4J46

Tot Ion:202 Resp: 1538191
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 29.6
 203 16.4 0.0 36.3

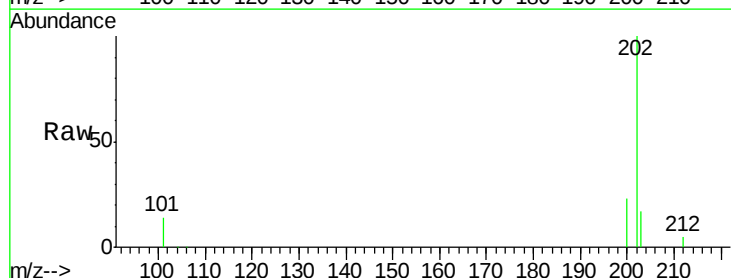


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

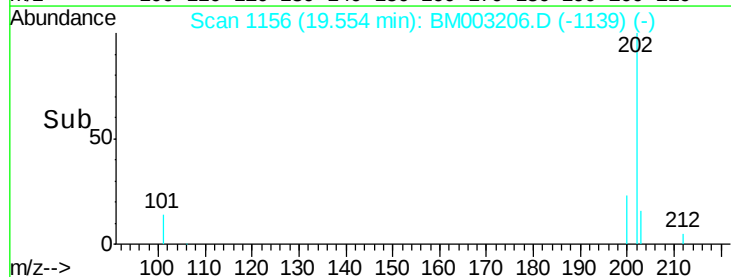
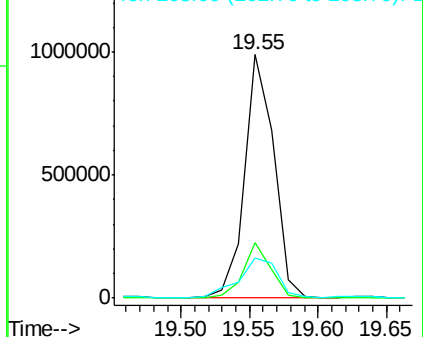


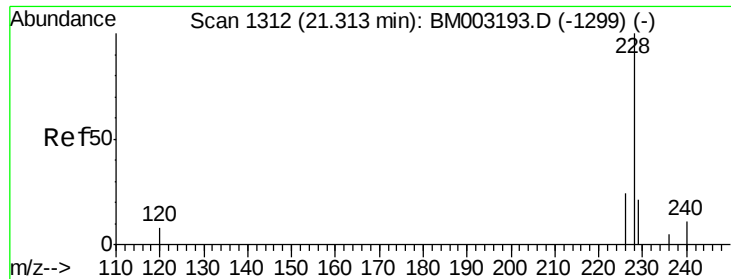
#19
 Pyrene
 Concen: 1522.52 ng/ul
 RT: 19.55 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: BM003206.D
 Acq: 20 Nov 2015 00:58

Tgt Ion:202 Resp: 1461578
 Ion Ratio Lower Upper
 202 100
 200 22.7 17.8 26.8
 203 16.6 12.8 19.2



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 82.86 ng/ul

RT: 21.48 min Scan# 1328

Delta R.T. 0.17 min

Lab File: BM003206.D

Acq: 20 Nov 2015 00:58

Instrument :

BNA_M

ClientSampled :

A4J46

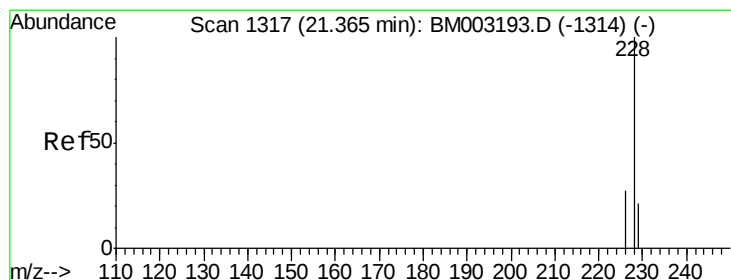
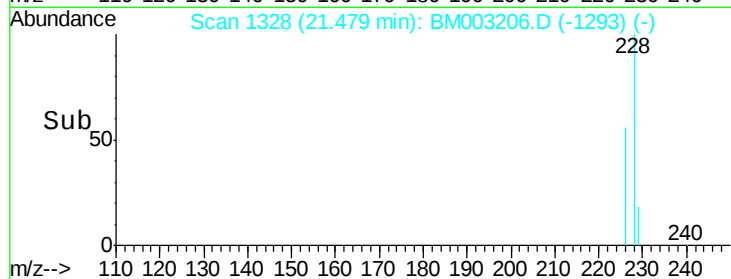
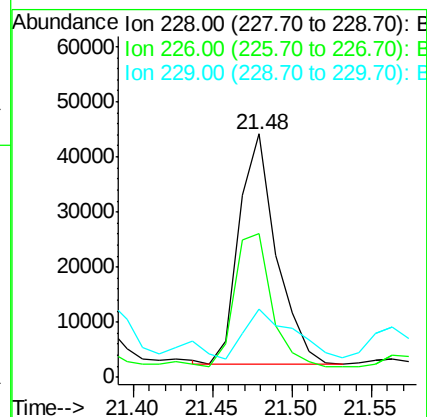
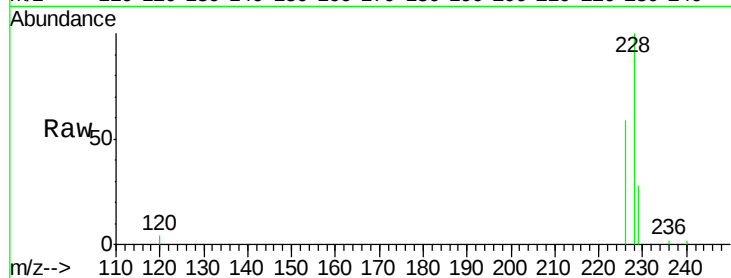
Tot Ion:228 Resp: 67278

Ion Ratio Lower Upper

228 100

226 59.0 18.8 28.2#

229 27.9 17.1 25.7#



#21

Chrysene

Concen: 73.58 ng/ul

RT: 21.48 min Scan# 1328

Delta R.T. 0.11 min

Lab File: BM003206.D

Acq: 20 Nov 2015 00:58

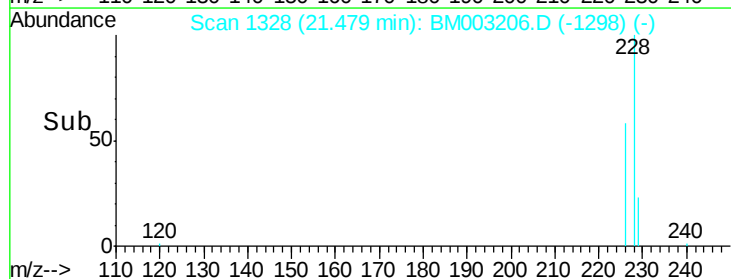
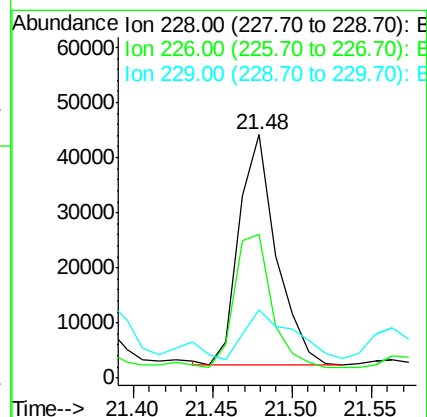
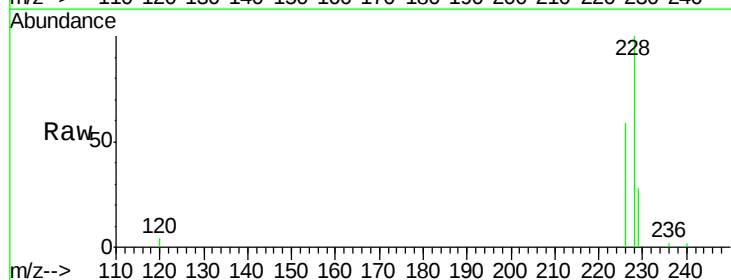
Tgt Ion:228 Resp: 67278

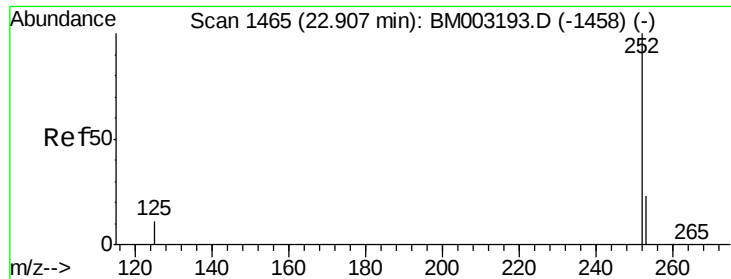
Ion Ratio Lower Upper

228 100

226 59.0 21.2 31.8#

229 27.9 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 12.79 ng/ul

RT: 23.07 min Scan# 1481

Delta R.T. 0.17 min

Lab File: BM003206.D

Acq: 20 Nov 2015 00:58

Instrument :

BNA_M

ClientSampleId :

A4J46

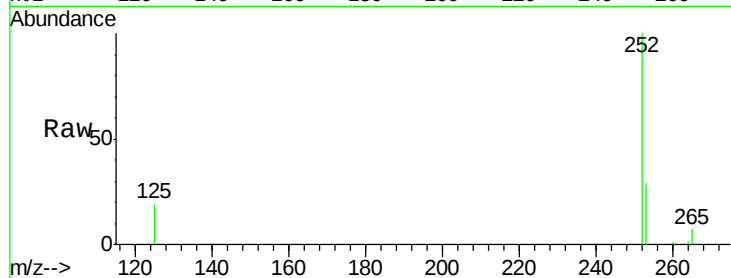
Tot Ion:252 Resp: 129175

Ion Ratio Lower Upper

252 100

253 29.2 0.0 45.4

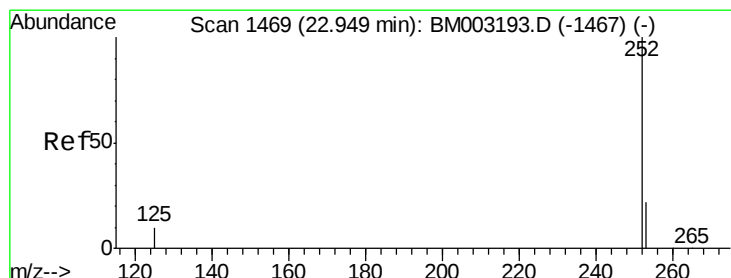
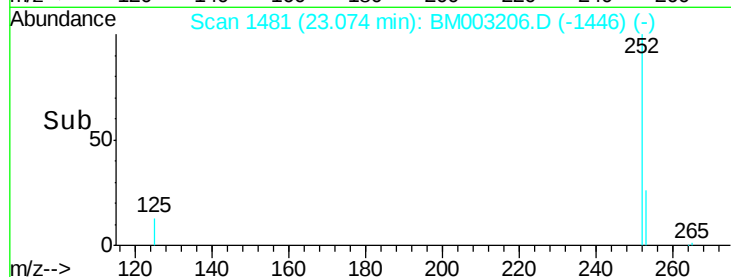
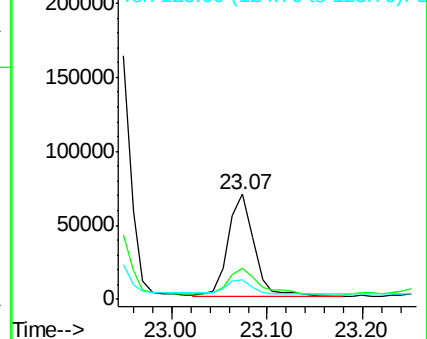
125 18.5 0.0 28.8



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



#24

Benzo(k)fluoranthene

Concen: 13.52 ng/ul

RT: 23.07 min Scan# 1481

Delta R.T. 0.13 min

Lab File: BM003206.D

Acq: 20 Nov 2015 00:58

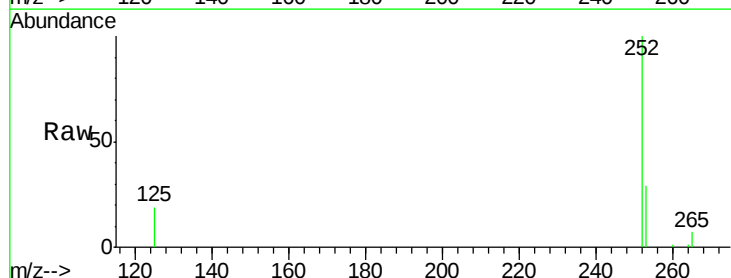
Tgt Ion:252 Resp: 129175

Ion Ratio Lower Upper

252 100

253 29.2 19.8 29.8

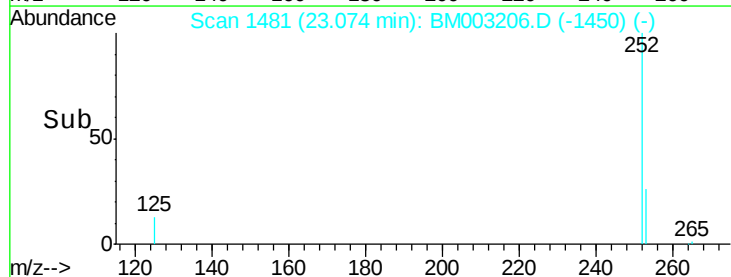
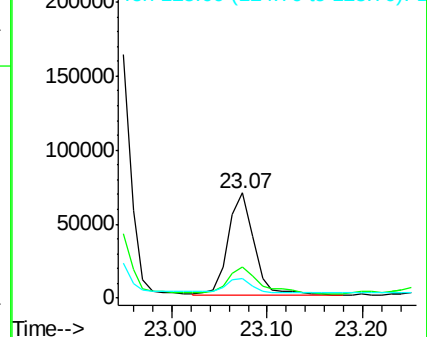
125 18.5 10.4 15.6#

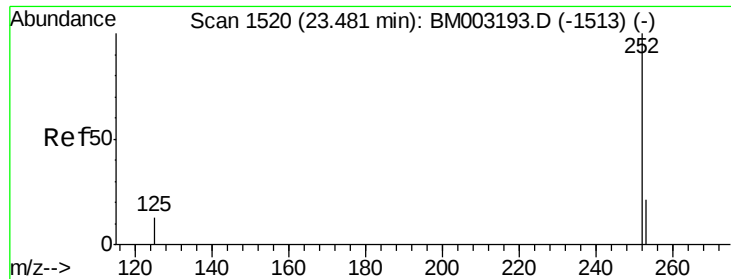


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

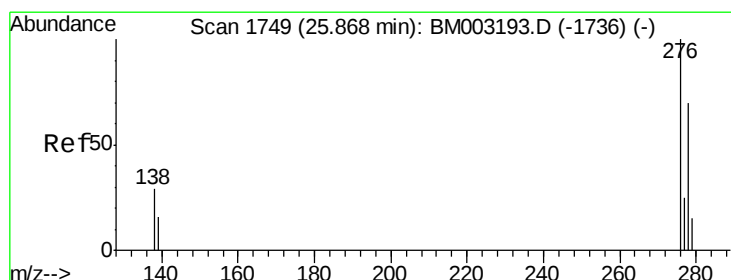
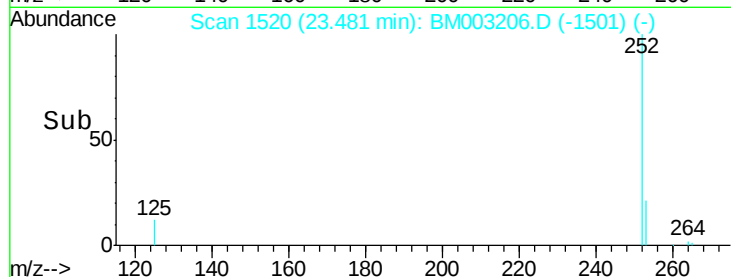
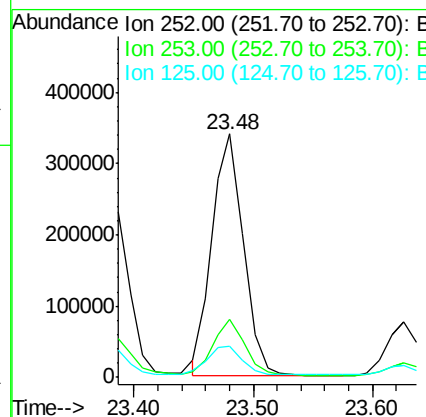
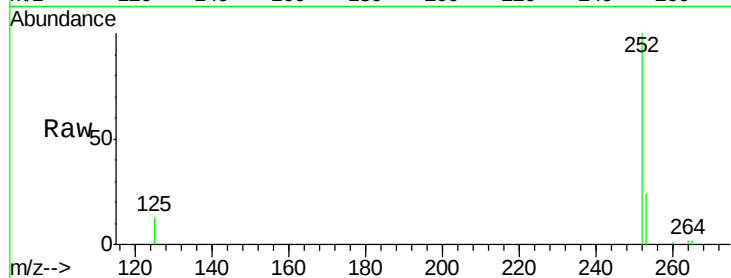




#25
Benzo(a)pyrene
Concen: 69.48 ng/ul
RT: 23.48 min Scan# 1520
Delta R.T. -0.00 min
Lab File: BM003206.D
Acq: 20 Nov 2015 00:58

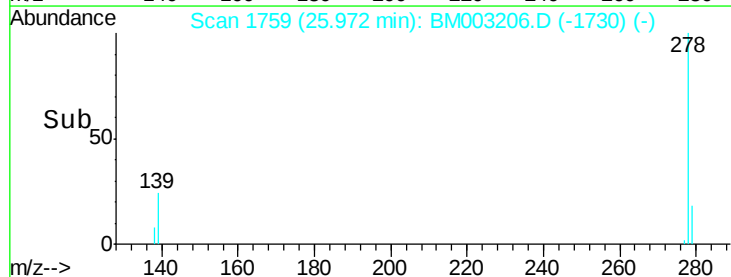
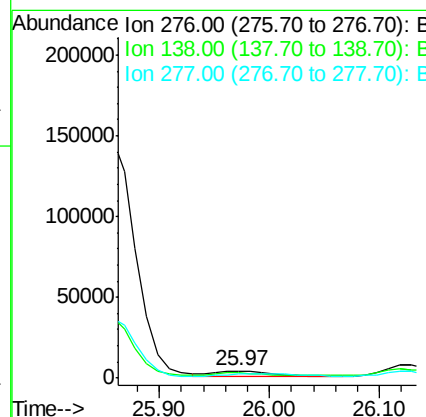
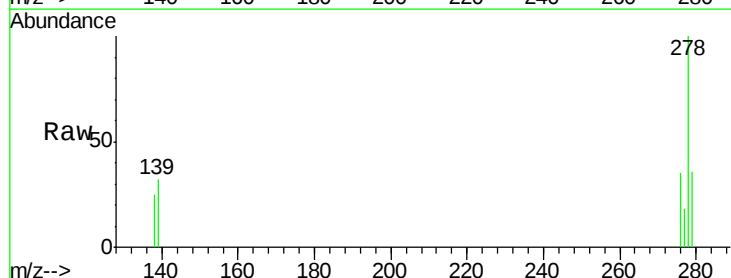
Instrument :
BNA_M
ClientSampleId :
A4J46

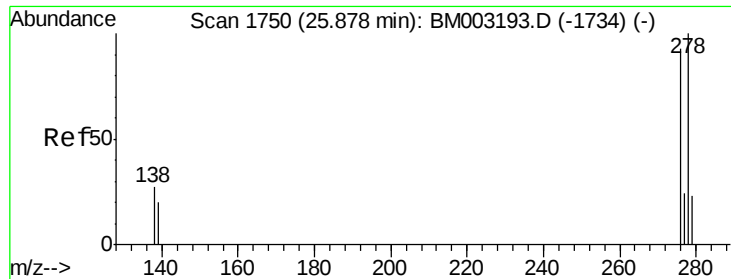
Tot Ion:252 Resp: 624345
Ion Ratio Lower Upper
252 100
253 23.6 19.4 29.2
125 12.9 12.7 19.1



#26
Indeno(1,2,3-cd)pyrene
Concen: 0.98 ng/ul
RT: 25.97 min Scan# 1759
Delta R.T. 0.10 min
Lab File: BM003206.D
Acq: 20 Nov 2015 00:58

Tgt Ion:276 Resp: 10542
Ion Ratio Lower Upper
276 100
138 54.4 0.0 0.0#
277 0.0 0.0 0.0



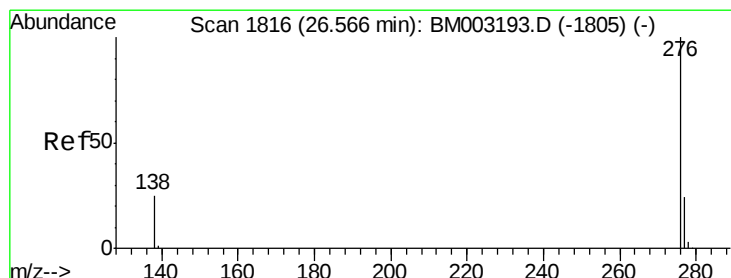
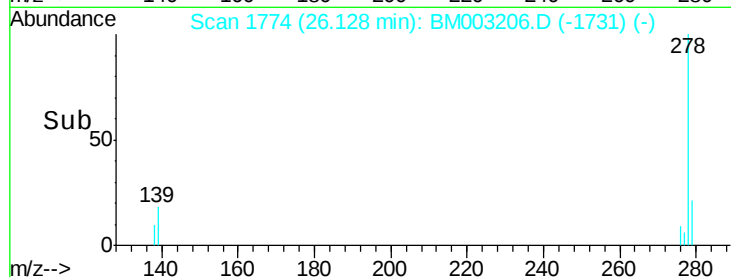
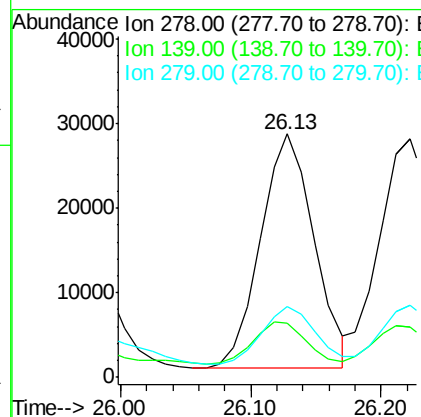
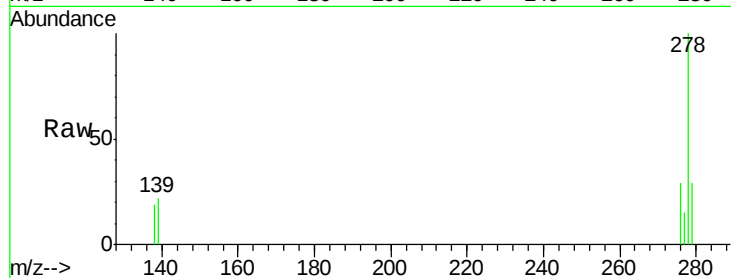


#27
Dibenzo(a,h)anthracene
Concen: 9.06 ng/ul
RT: 26.13 min Scan# 1774
Delta R.T. 0.25 min
Lab File: BM003206.D
Acq: 20 Nov 2015 00:58

Instrument :
BNA_M
ClientSampleId :
A4J46

Tot Ion:278 Resp: 78449

Ion	Ratio	Lower	Upper
278	100		
139	22.2	16.4	24.6
279	29.0	20.2	30.2



#28
Benzo(g,h,i)perylene
Concen: 25.63 ng/ul
RT: 26.56 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BM003206.D
Acq: 20 Nov 2015 00:58

Tgt Ion:276 Resp: 241080

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	26.5	22.5	33.7

