

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112115\
 Data File : BM003276.D
 Acq On : 22 Nov 2015 11:31
 Operator : UM/IZ
 Sample : G4345-15DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 23 01:08:55 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 : Mon Nov 23 01:07:06 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	10511	0.40	ng/ul	0.00
4) Naphthalene-d8	10.52	136	39672	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.38	164	19002	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	40452	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	42746	0.40	ng/ul	0.00
22) Perylene-d12	23.59	264	41687	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	4279	0.38	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	1133	0.02	ng/ul	0.00
16) Fluoranthene-d10	19.16	212	2388	0.02	ng/ul	0.00

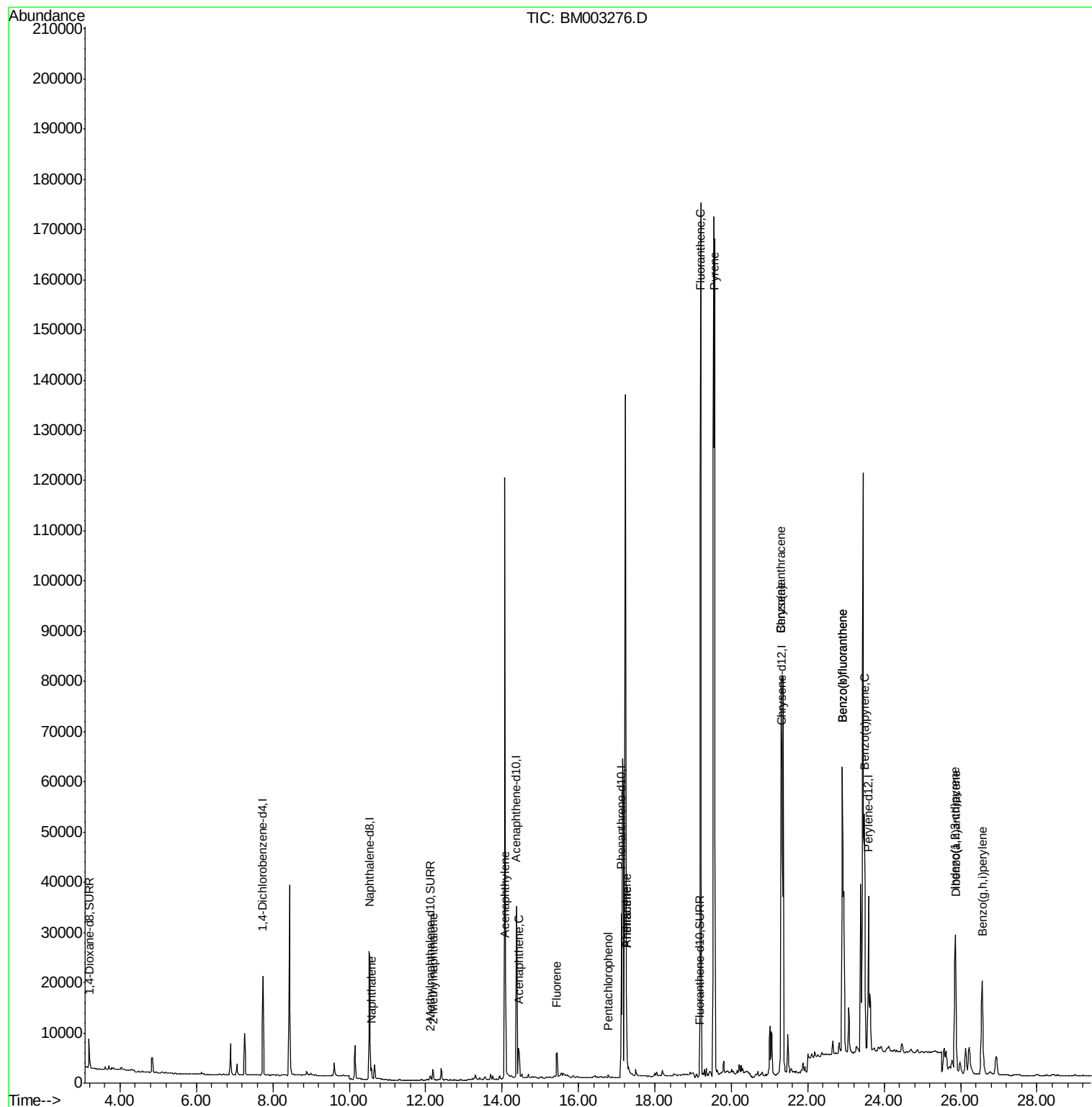
Target Compounds				Ovalue		
5) Naphthalene	10.57	128	3109	0.03	ng/ul#	86
7) 2-Methylnaphthalene	12.19	142	1662	0.03	ng/ul#	100
9) Acenaphthylene	14.09	152	3684	0.05	ng/ul#	91
10) Acenaphthene	14.43	153	4563	0.07	ng/ul#	76
11) Fluorene	15.44	166	5212	0.07	ng/ul#	98
13) Pentachlorophenol	16.78	266	458	0.05	ng/ul	92
14) Phenanthrene	17.26	178	16098	0.14	ng/ul	98
15) Anthracene	17.26	178	18002	0.18	ng/ul	98
17) Fluoranthene	19.20	202	170418	1.31	ng/ul	94
19) Pyrene	19.56	202	154658	1.06	ng/ul	95
20) Benzo(a)anthracene	21.31	228	71296	0.58	ng/ul#	91
21) Chrysene	21.31	228	71296	0.51	ng/ul	94
23) Benzo(b)fluoranthene	22.90	252	133978	0.85	ng/ul	99
24) Benzo(k)fluoranthene	22.90	252	133978	0.89	ng/ul	96
25) Benzo(a)pyrene	23.48	252	64214	0.46	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	25.86	276	44816	0.27	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.87	278	10942	0.08	ng/ul#	78
28) Benzo(a,h,i)perylene	26.57	276	39615	0.27	ng/ul	97

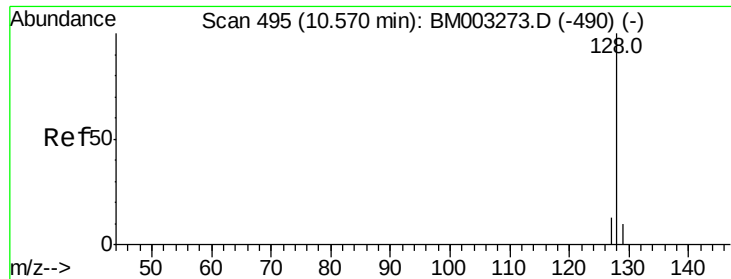
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112115\
Data File : BM003276.D
Acq On : 22 Nov 2015 11:31
Operator : UM/IZ
Sample : G4345-15DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Nov 23 01:08:55 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 : Mon Nov 23 01:07:06 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. 0.00 min

Lab File: BM003276.D

Acq: 22 Nov 2015 11:31

Instrument :

BNA_M

ClientSampleId :

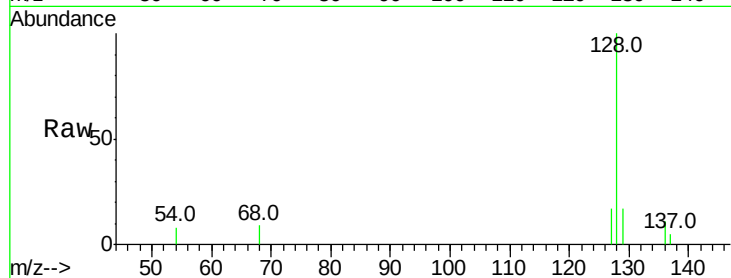
Tot Ion:128 Resp: 3109

Ion Ratio Lower Upper

128 100

129 16.7 9.0 13.6#

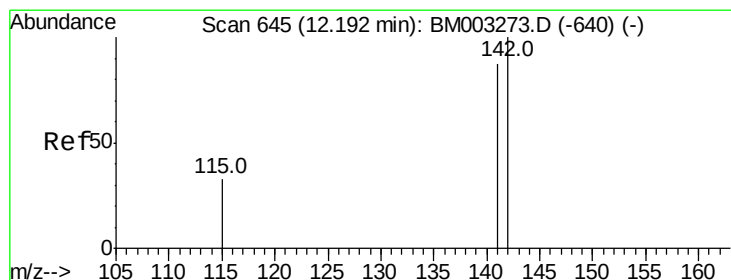
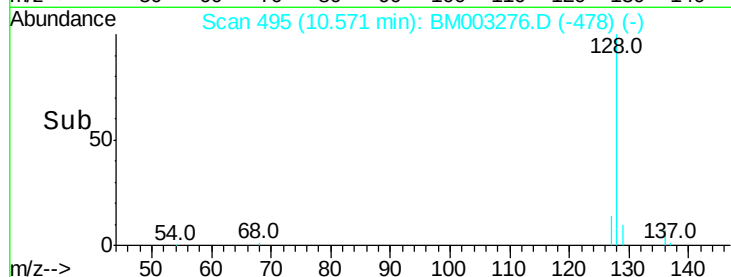
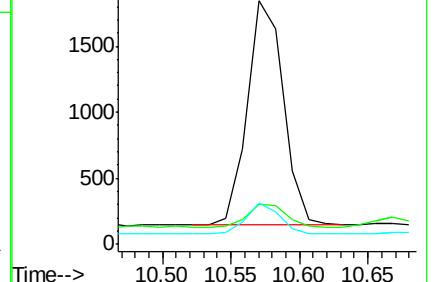
127 17.1 9.6 14.4#



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: 0.03 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003276.D

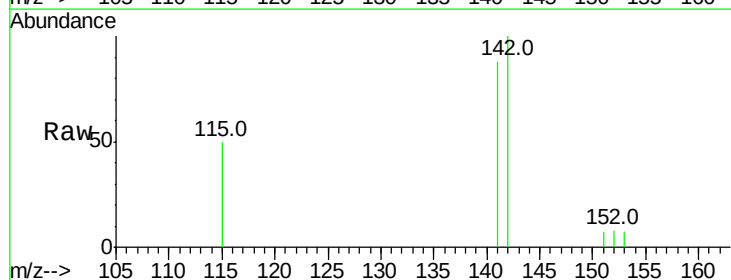
Acq: 22 Nov 2015 11:31

Tgt Ion:142 Resp: 1662

Ion Ratio Lower Upper

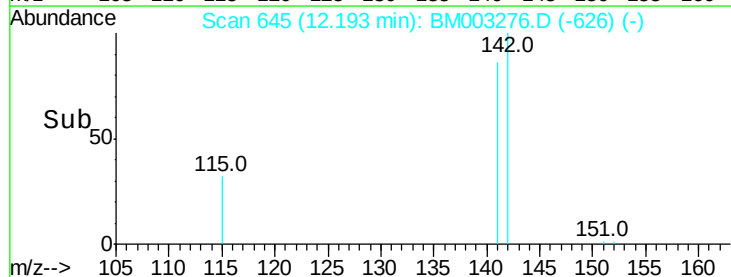
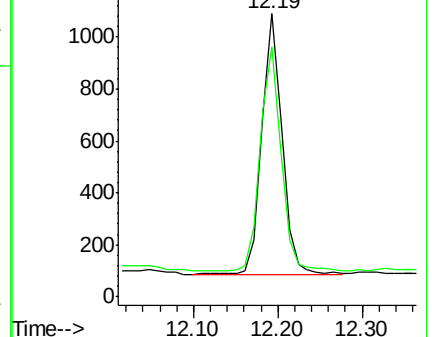
142 100

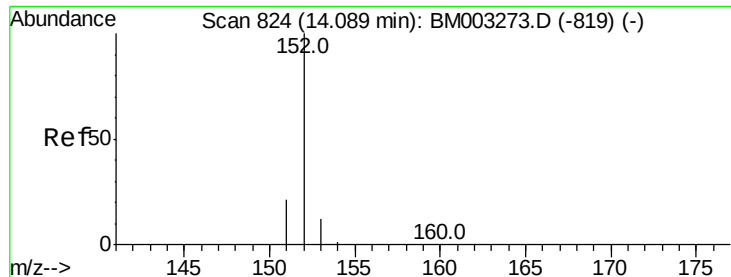
141 88.7 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003276.D

Acq: 22 Nov 2015 11:31

Instrument :

BNA_M

ClientSampled :

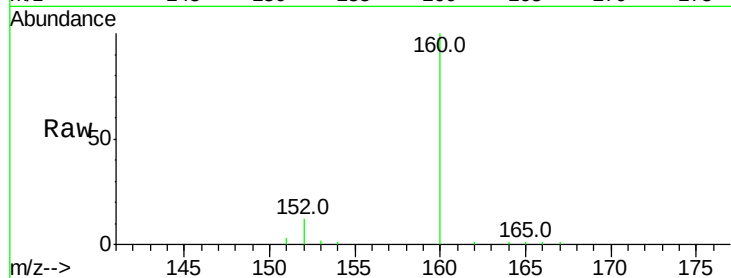
Tot Ion:152 Resp: 3684

Ion Ratio Lower Upper

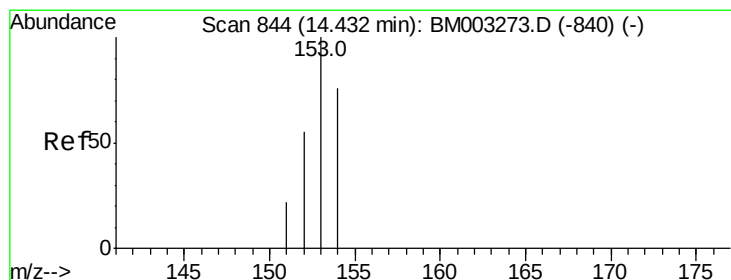
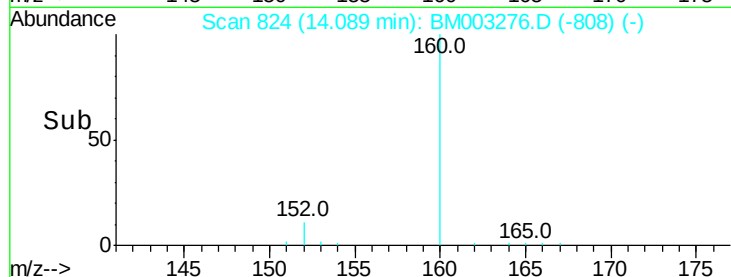
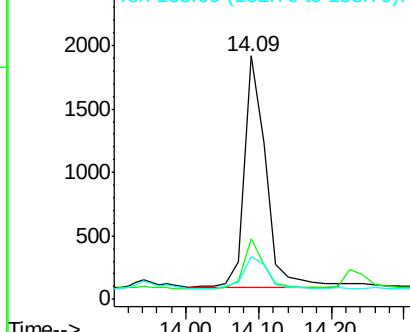
152 100

151 25.0 17.6 26.4

153 17.6 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: 0.07 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. 0.00 min

Lab File: BM003276.D

Acq: 22 Nov 2015 11:31

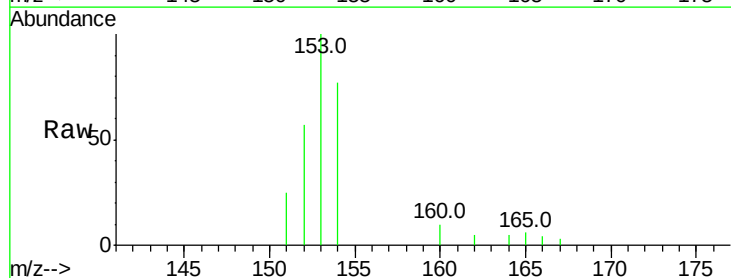
Tgt Ion:153 Resp: 4563

Ion Ratio Lower Upper

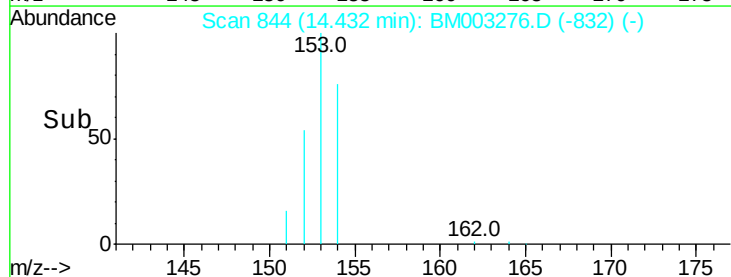
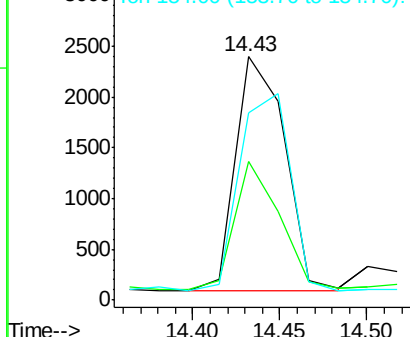
153 100

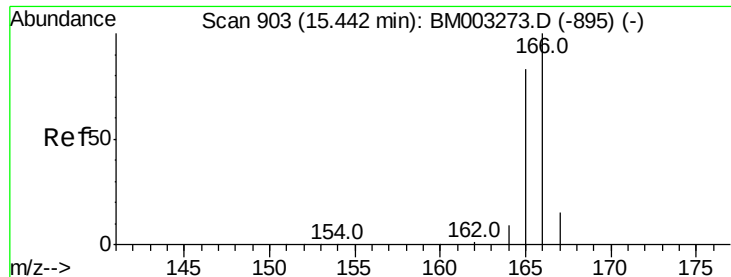
152 57.2 33.9 50.9#

154 76.9 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

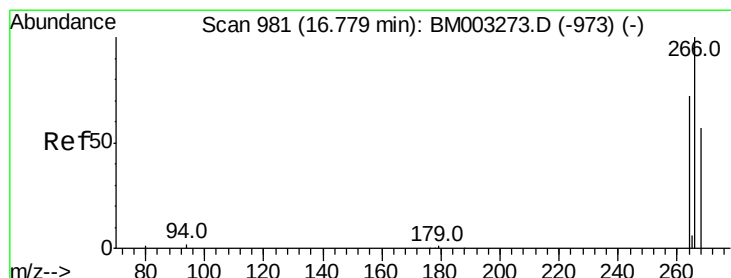
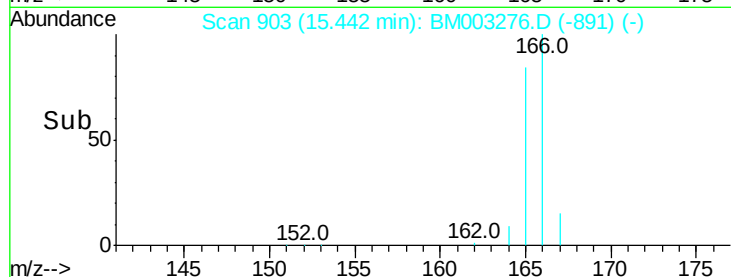
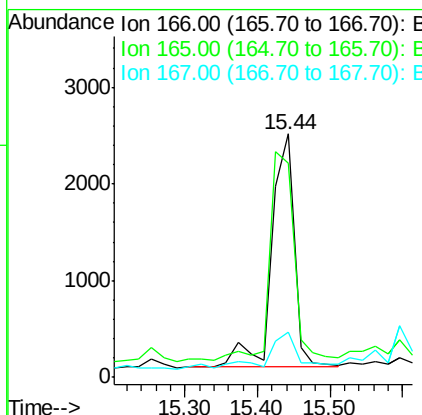
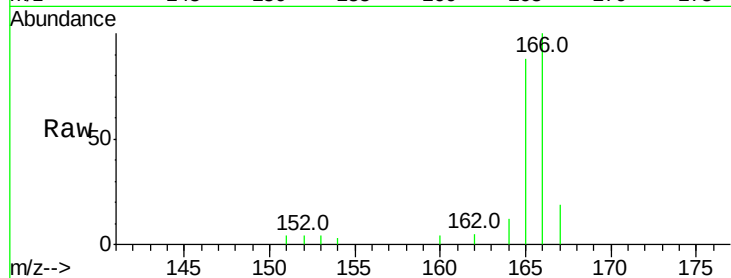




#11
Fluorene
Concen: 0.07 ng/ul
RT: 15.44 min Scan# 903
Delta R.T. 0.00 min
Lab File: BM003276.D
Acq: 22 Nov 2015 11:31

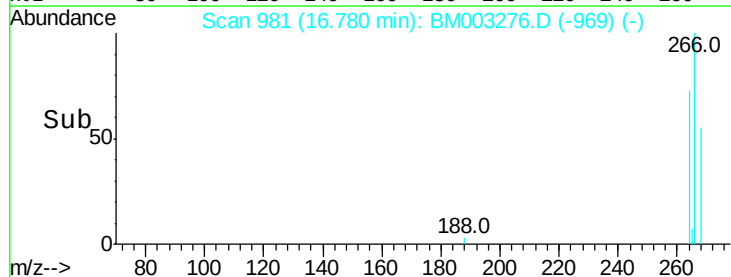
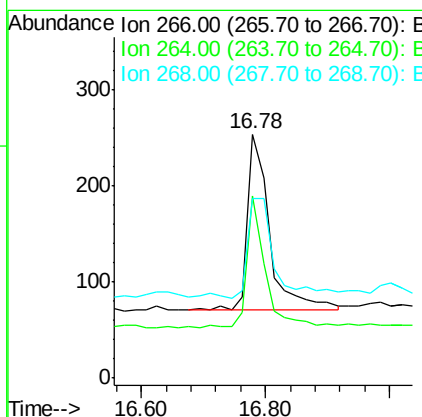
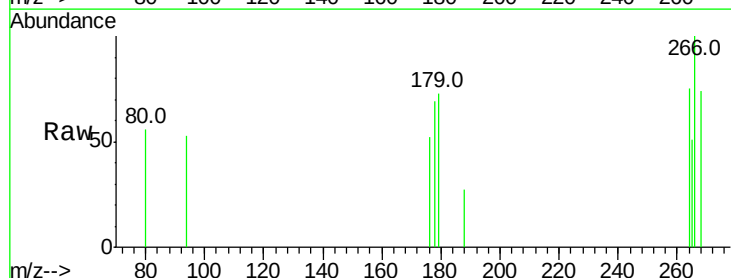
Instrument :
BNA_M
ClientSampleId :

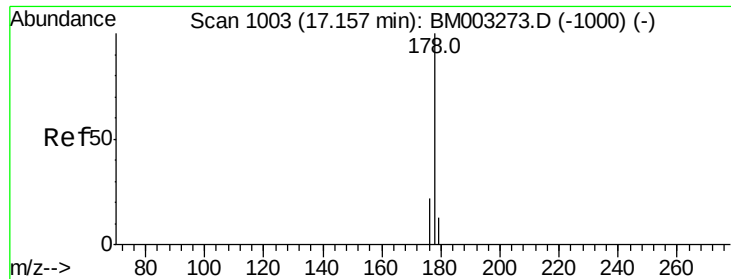
Tot Ion:166 Resp: 5212
Ion Ratio Lower Upper
166 100
165 87.9 69.6 104.4
167 18.6 11.9 17.9#



#13
Pentachlorophenol
Concen: 0.05 ng/ul
RT: 16.78 min Scan# 981
Delta R.T. 0.00 min
Lab File: BM003276.D
Acq: 22 Nov 2015 11:31

Tgt Ion:266 Resp: 458
Ion Ratio Lower Upper
266 100
264 62.0 51.8 77.8
268 67.5 46.8 70.2

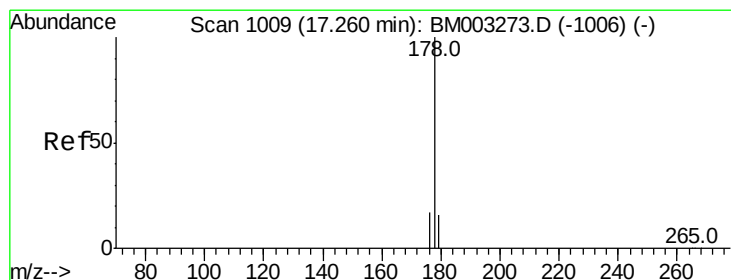
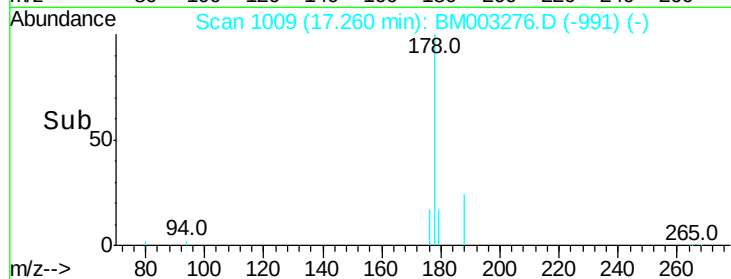
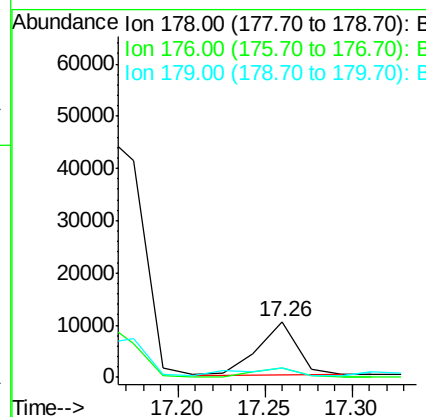
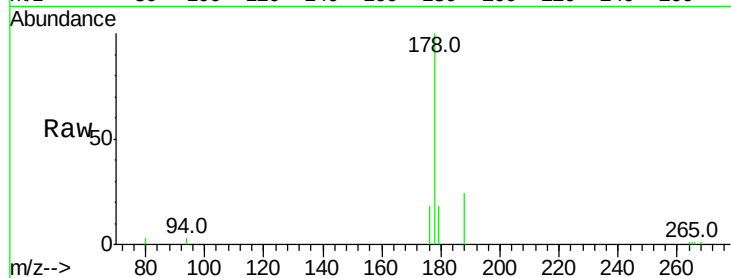




#14
Phenanthrene
Concen: 0.14 ng/ul
RT: 17.26 min Scan# 1009
Delta R.T. 0.10 min
Lab File: BM003276.D
Acq: 22 Nov 2015 11:31

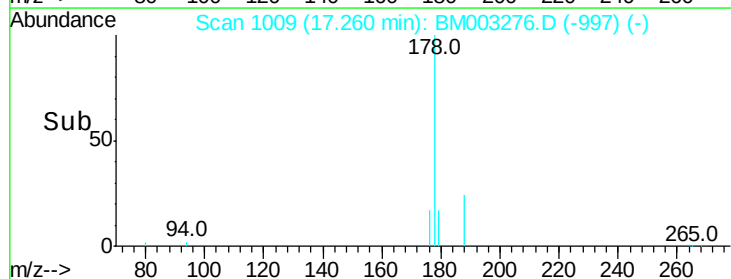
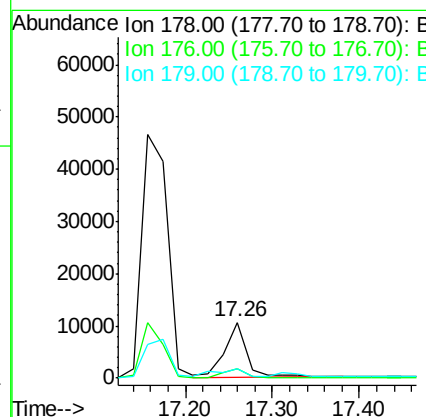
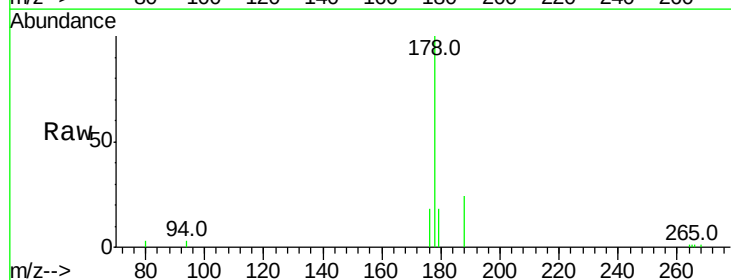
Instrument :
BNA_M
ClientSampleId :

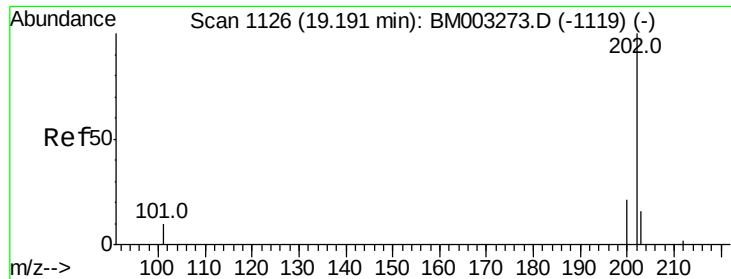
Tot Ion:178 Resp: 16098
Ion Ratio Lower Upper
178 100
176 17.8 13.0 19.4
179 18.0 14.2 21.2



#15
Anthracene
Concen: 0.18 ng/ul
RT: 17.26 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BM003276.D
Acq: 22 Nov 2015 11:31

Tgt Ion:178 Resp: 18002
Ion Ratio Lower Upper
178 100
176 17.8 14.0 21.0
179 18.0 12.9 19.3

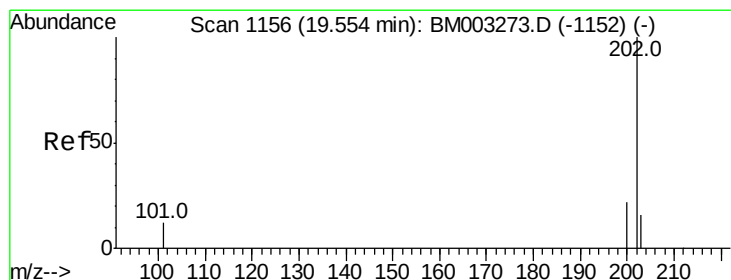
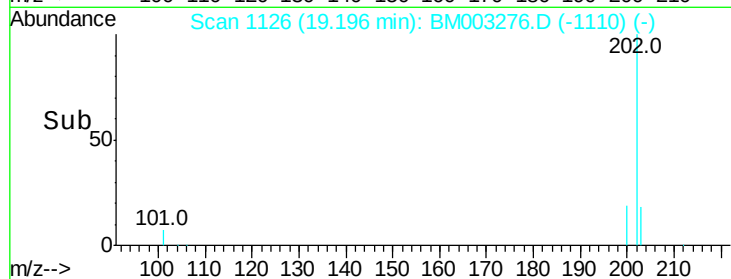
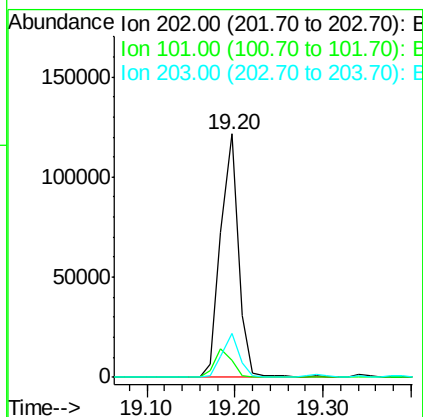
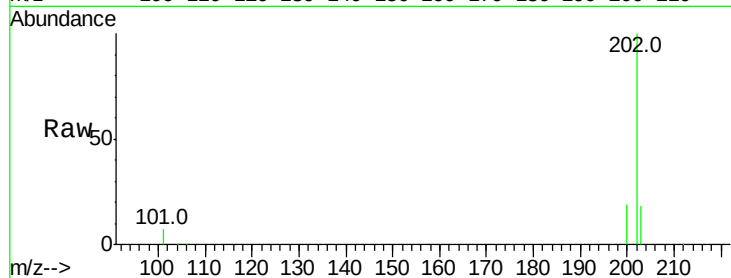




#17
Fluoranthene
Concen: 1.31 ng/ul
RT: 19.20 min Scan# 1126
Delta R.T. 0.01 min
Lab File: BM003276.D
Acq: 22 Nov 2015 11:31

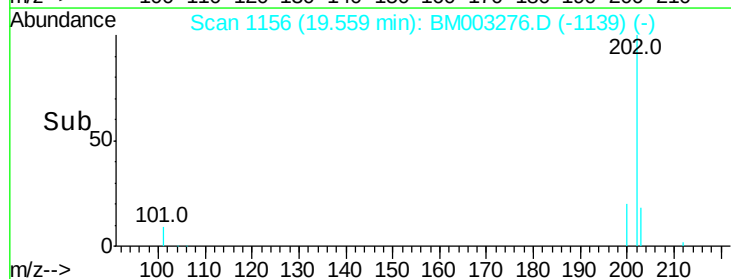
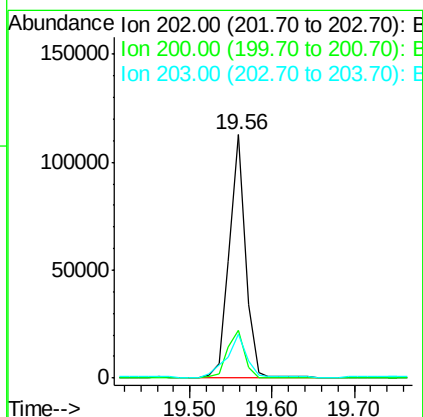
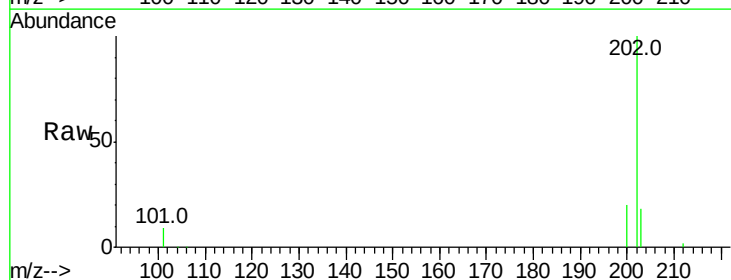
Instrument :
BNA_M
ClientSampleId :

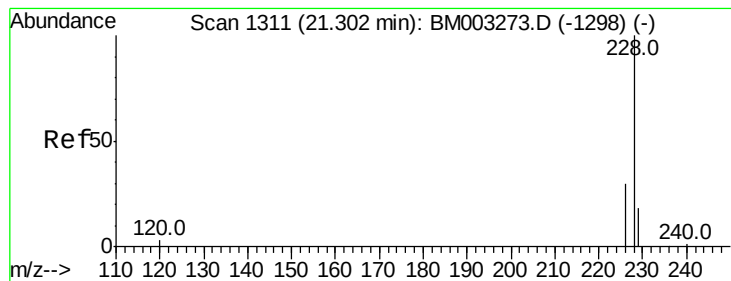
Tot Ion:202 Resp: 170418
Ion Ratio Lower Upper
202 100
101 6.8 0.0 29.6
203 18.2 0.0 36.3



#19
Pyrene
Concen: 1.06 ng/ul
RT: 19.56 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BM003276.D
Acq: 22 Nov 2015 11:31

Tgt Ion:202 Resp: 154658
Ion Ratio Lower Upper
202 100
200 19.8 17.8 26.8
203 18.1 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.58 ng/ul

RT: 21.31 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BM003276.D

Acq: 22 Nov 2015 11:31

Instrument :

BNA_M

ClientSampleId :

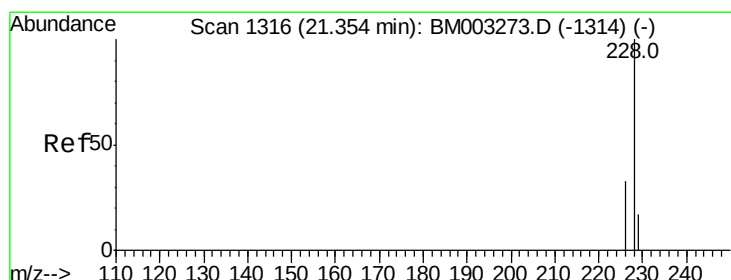
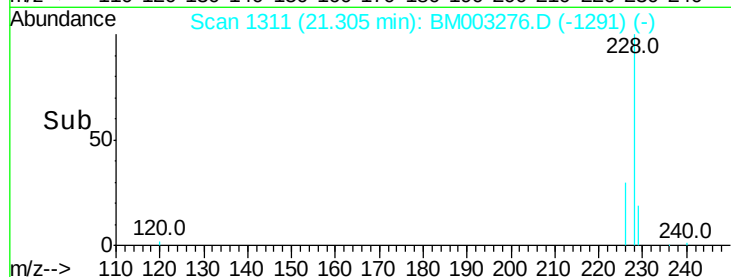
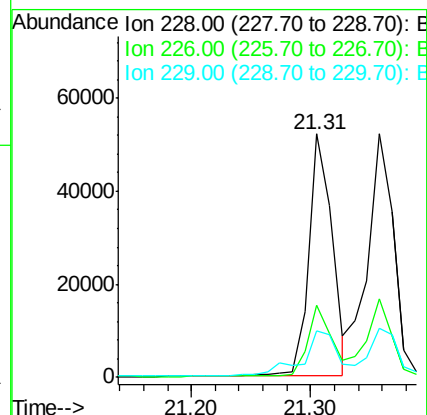
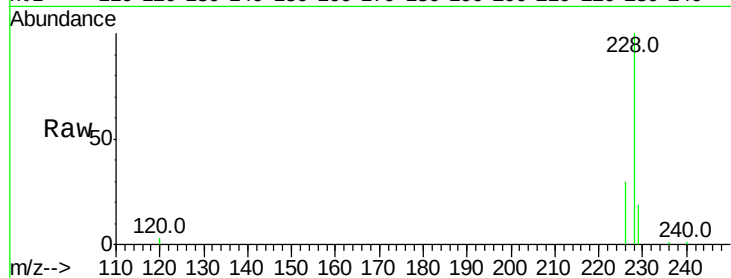
Tot Ion:228 Resp: 71296

Ion Ratio Lower Upper

228 100

226 29.9 18.8 28.2#

229 19.3 17.1 25.7



#21

Chrysene

Concen: 0.51 ng/ul

RT: 21.31 min Scan# 1311

Delta R.T. -0.05 min

Lab File: BM003276.D

Acq: 22 Nov 2015 11:31

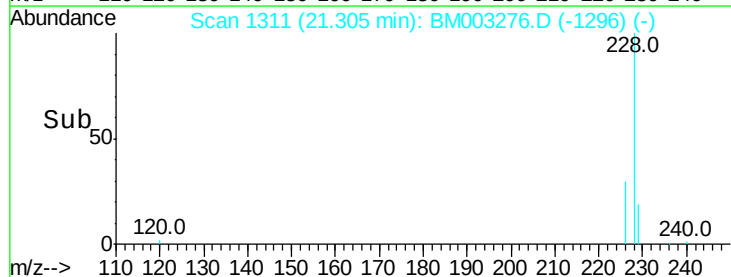
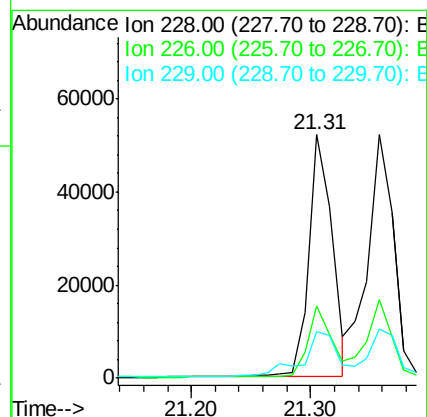
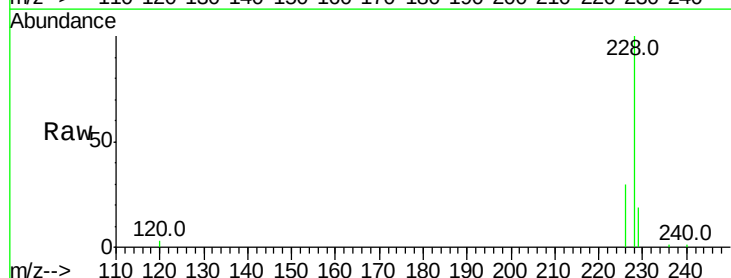
Tgt Ion:228 Resp: 71296

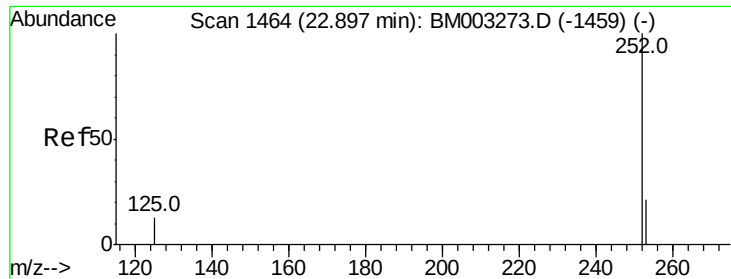
Ion Ratio Lower Upper

228 100

226 29.9 21.2 31.8

229 19.3 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.85 ng/ul

RT: 22.90 min Scan# 1464

Delta R.T. 0.00 min

Lab File: BM003276.D

Acq: 22 Nov 2015 11:31

Instrument :

BNA_M

ClientSampleId :

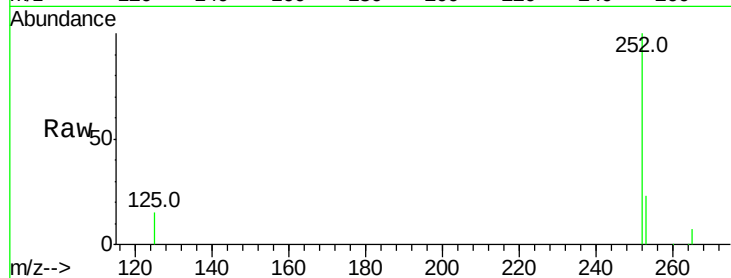
Tot Ion:252 Resp: 133978

Ion Ratio Lower Upper

252 100

253 23.0 0.0 45.4

125 15.1 0.0 28.8

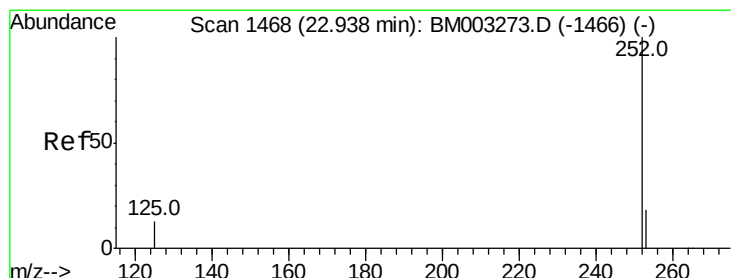
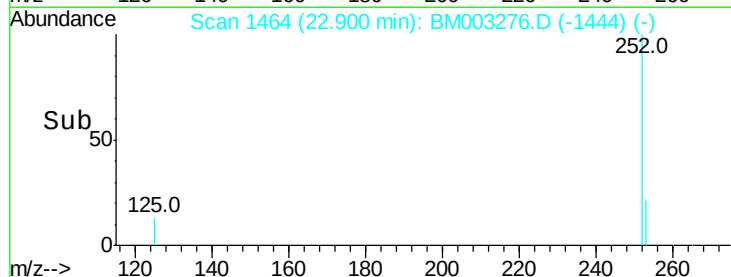
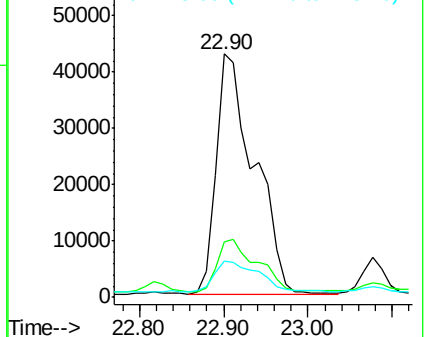


Abundance

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: 0.89 ng/ul

RT: 22.90 min Scan# 1464

Delta R.T. -0.04 min

Lab File: BM003276.D

Acq: 22 Nov 2015 11:31

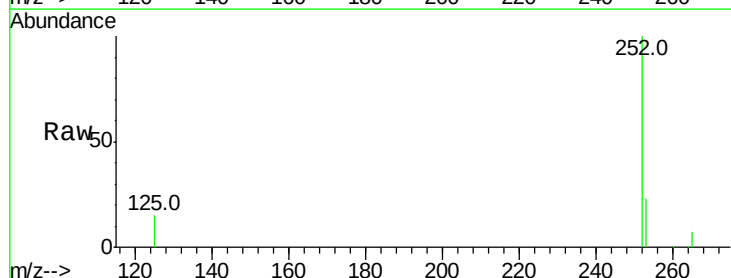
Tgt Ion:252 Resp: 133978

Ion Ratio Lower Upper

252 100

253 23.0 19.8 29.8

125 15.1 10.4 15.6

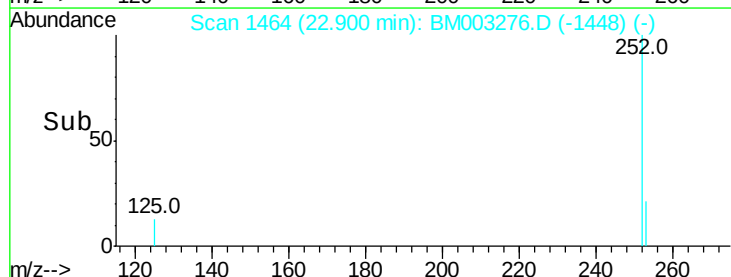
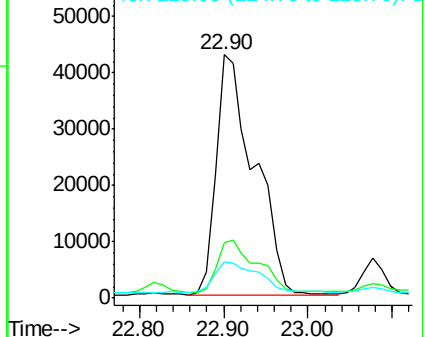


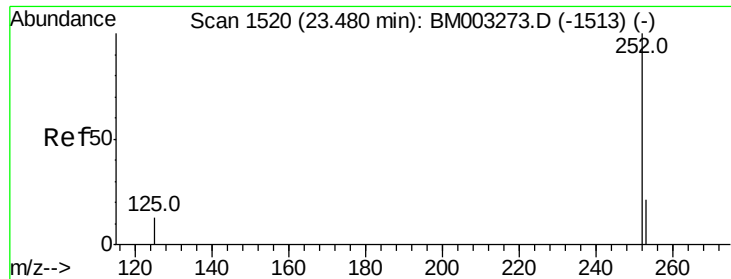
Abundance

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: 0.46 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. 0.00 min

Lab File: BM003276.D

Acq: 22 Nov 2015 11:31

Instrument :

BNA_M

ClientSampleId :

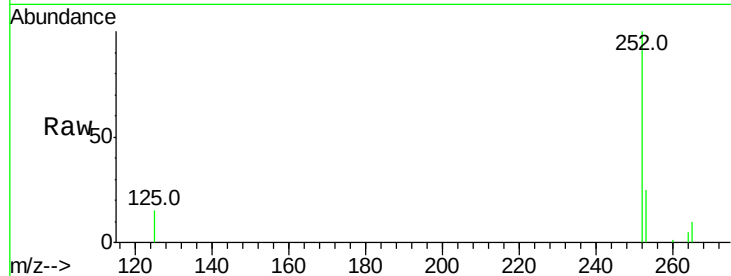
Tot Ion:252 Resp: 64214

Ion Ratio Lower Upper

252 100

253 24.8 19.4 29.2

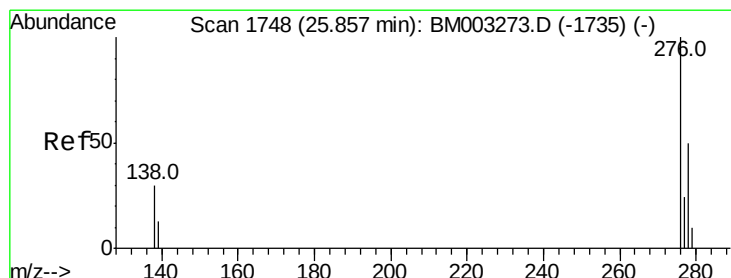
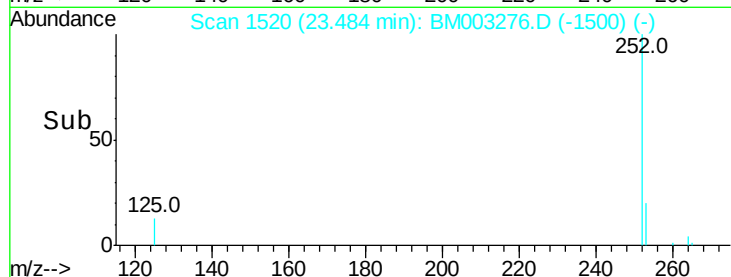
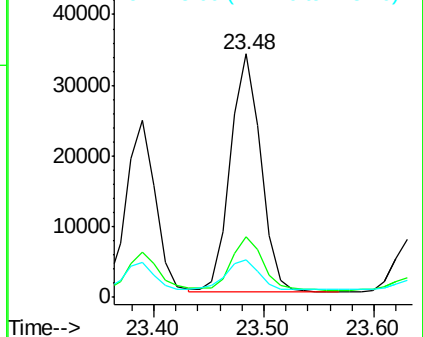
125 15.4 12.7 19.1



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.27 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. 0.00 min

Lab File: BM003276.D

Acq: 22 Nov 2015 11:31

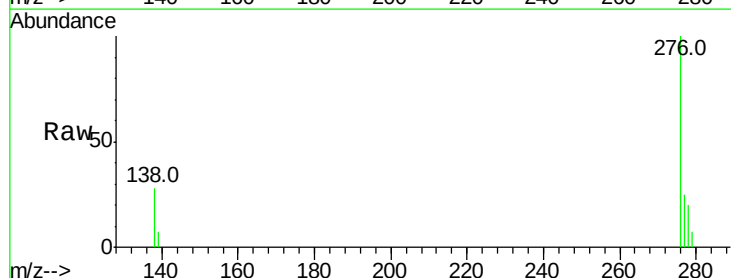
Tgt Ion:276 Resp: 44816

Ion Ratio Lower Upper

276 100

138 25.9 16.3 24.5#

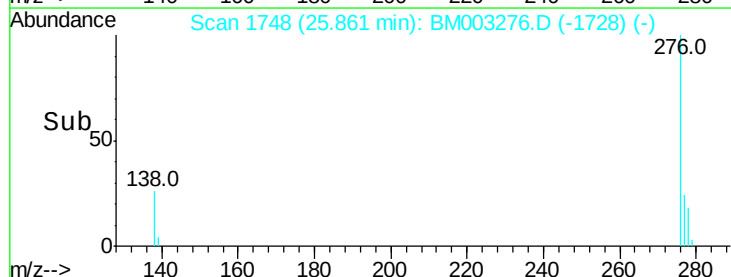
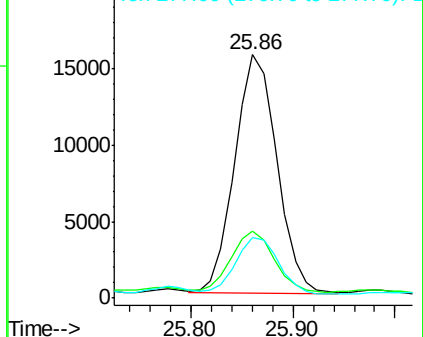
277 24.3 19.8 29.8

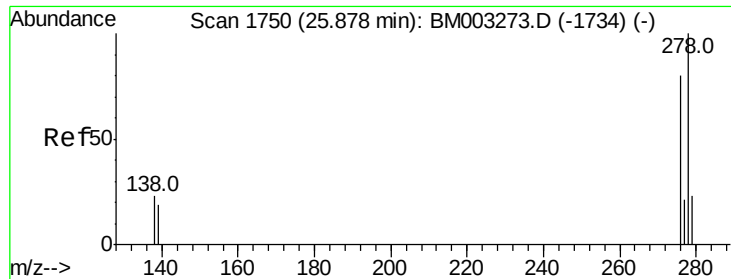


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

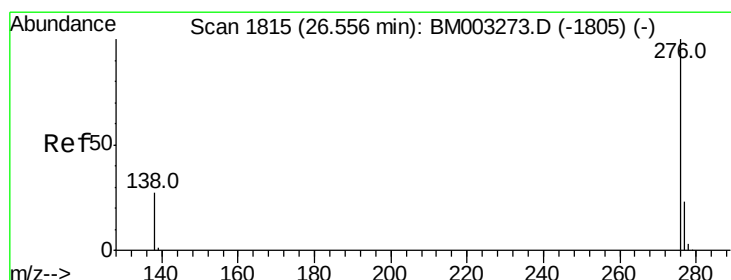
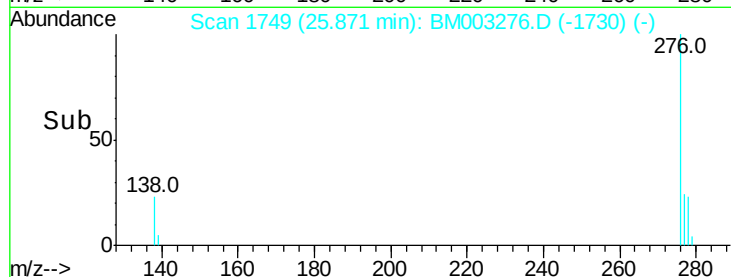
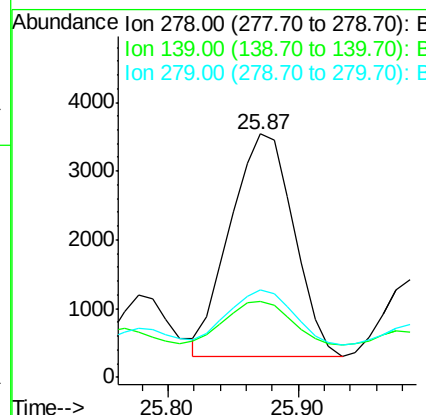
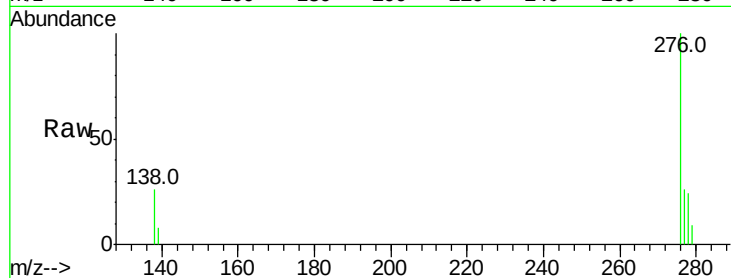




#27
Dibenzo(a,h)anthracene
Concen: 0.08 ng/ul
RT: 25.87 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BM003276.D
Acq: 22 Nov 2015 11:31

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 10942
Ion Ratio Lower Upper
278 100
139 31.3 16.4 24.6#
279 36.1 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.27 ng/ul
RT: 26.57 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BM003276.D
Acq: 22 Nov 2015 11:31

Tgt Ion:276 Resp: 39615
Ion Ratio Lower Upper
276 100
277 25.5 18.9 28.3
138 27.2 22.5 33.7

