

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112115\
 Data File : BM003271.D
 Acq On : 22 Nov 2015 04:51
 Operator : UM/IZ
 Sample : G4345-15
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J57

Quant Time: Nov 22 05:32:17 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 : Sun Nov 22 04:42:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	13049	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	50953	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	28160	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	2447012	0.40	ng/ul	0.10
18) Chrysene-d12	21.32	240	63380	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	66390	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	54584	3.92	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	14670	0.21	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	31106	0.01	ng/ul	0.00

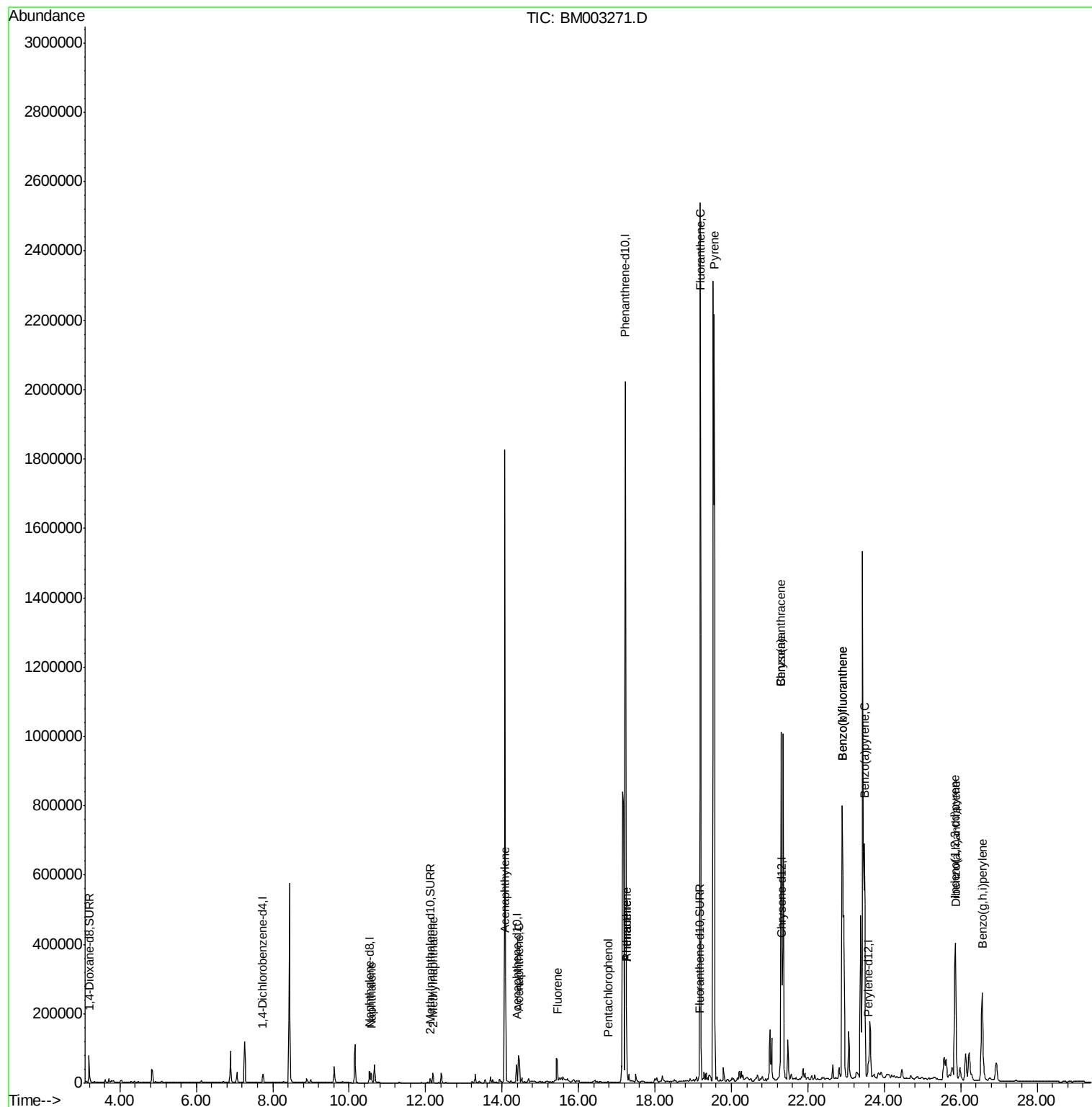
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.57	128	39688	0.30	ng/ul	97
7) 2-Methylnaphthalene	12.19	142	21355	0.25	ng/ul#	100
9) Acenaphthylene	14.09	152	48248	0.41	ng/ul	98
10) Acenaphthene	14.43	153	61019	0.62	ng/ul#	76
11) Fluorene	15.44	166	70621	0.66	ng/ul	97
13) Pentachlorophenol	16.78	266	1632	0.00	ng/ul	96
14) Phenanthrene	17.26	178	256382	0.04	ng/ul	98
15) Anthracene	17.26	178	260696	0.04	ng/ul	99
17) Fluoranthene	19.19	202	2322302	0.29	ng/ul	98
19) Pyrene	19.55	202	2096450	9.65	ng/ul	99
20) Benzo(a)anthracene	21.30	228	1097434	5.97	ng/ul#	89
21) Chrysene	21.30	228	1091683	5.27	ng/ul	92
23) Benzo(b)fluoranthene	22.91	252	1830243	7.25	ng/ul	98
24) Benzo(k)fluoranthene	22.91	252	1830243	7.67	ng/ul	98
25) Benzo(a)pyrene	23.48	252	909666	4.05	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	25.86	276	623896	2.33	ng/ul#	95
27) Dibenzo(a,h)anthracene	25.87	278	152137	0.70	ng/ul	95
28) Benzo(g,h,i)perylene	26.57	276	546888	2.33	ng/ul	96

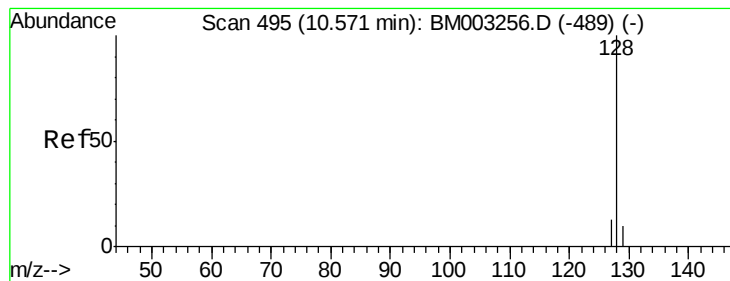
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.30 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. 0.00 min

Lab File: BM003271.D

Acq: 22 Nov 2015 04:51

Instrument :

BNA_M

ClientSampleId :

A4J57

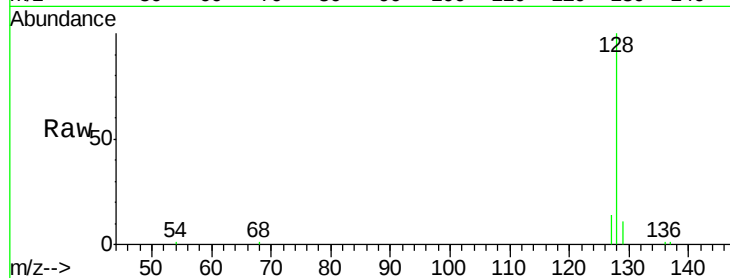
Tgt Ion:128 Resp: 39688

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

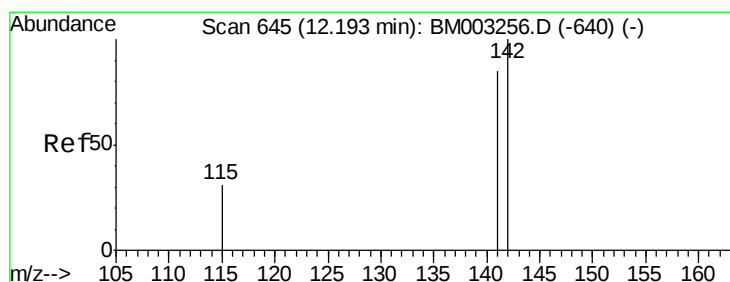
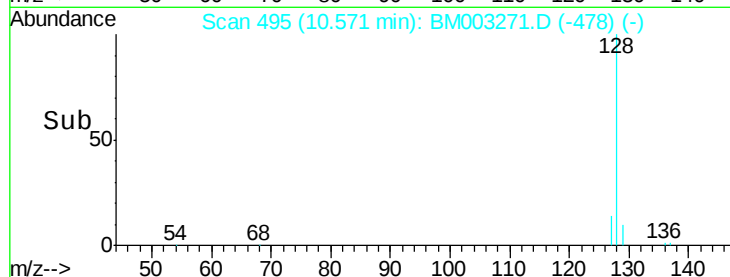
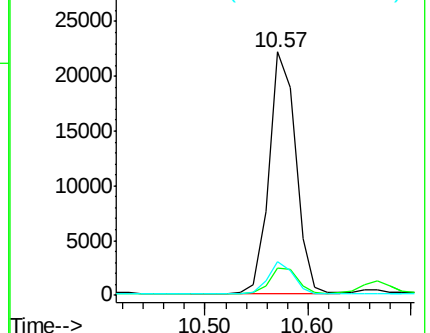
127 13.9 9.6 14.4



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: 0.25 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003271.D

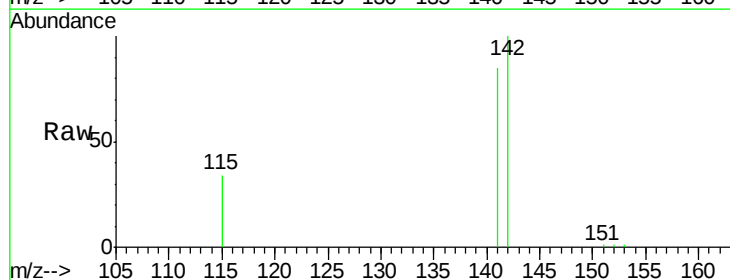
Acq: 22 Nov 2015 04:51

Tgt Ion:142 Resp: 21355

Ion Ratio Lower Upper

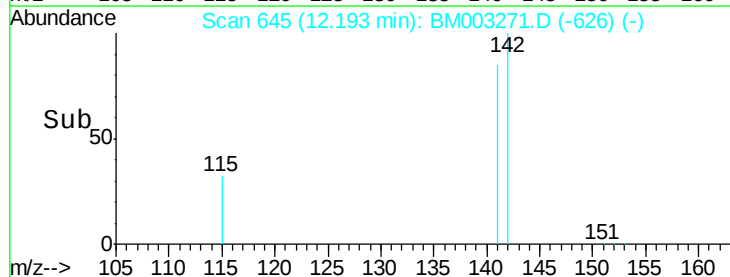
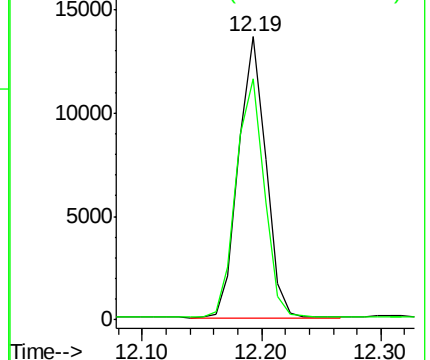
142 100

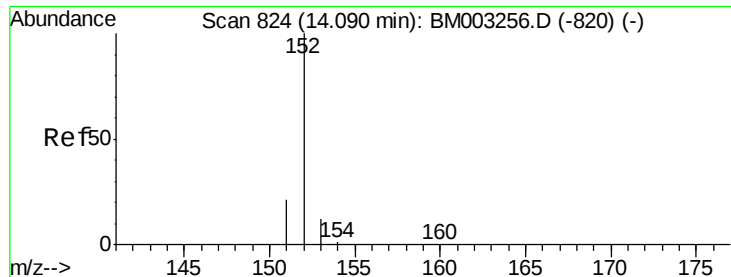
141 87.7 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003271.D

Acq: 22 Nov 2015 04:51

Instrument :

BNA_M

ClientSampleId :

A4J57

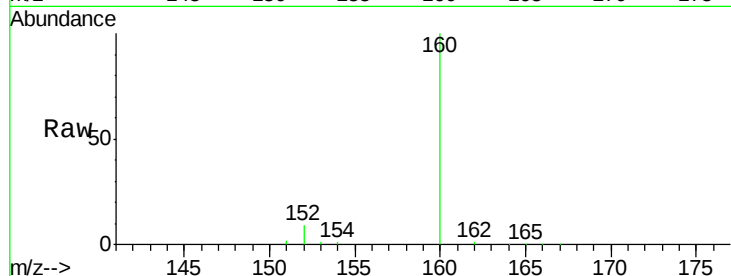
Tgt Ion:152 Resp: 48248

Ion Ratio Lower Upper

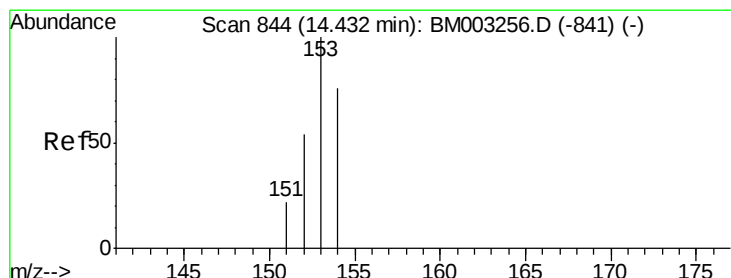
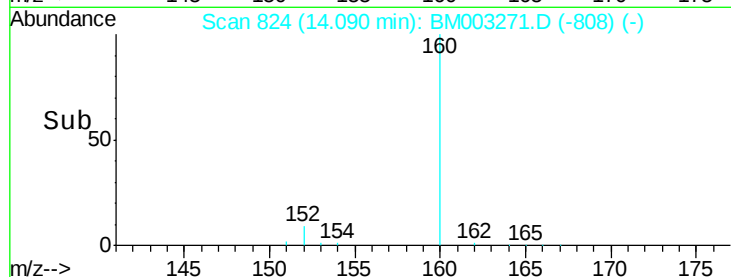
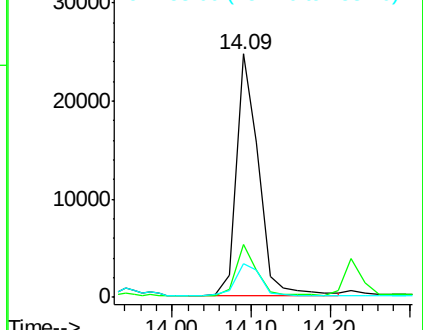
152 100

151 21.9 17.6 26.4

153 13.8 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: 0.62 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. 0.00 min

Lab File: BM003271.D

Acq: 22 Nov 2015 04:51

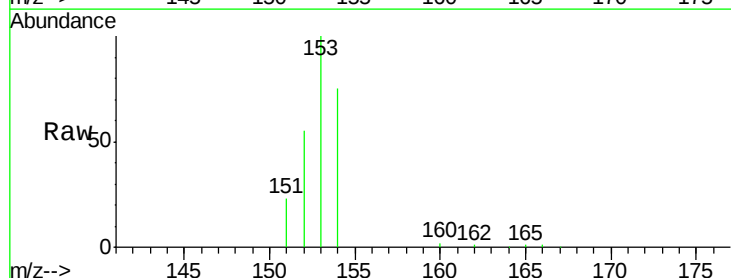
Tgt Ion:153 Resp: 61019

Ion Ratio Lower Upper

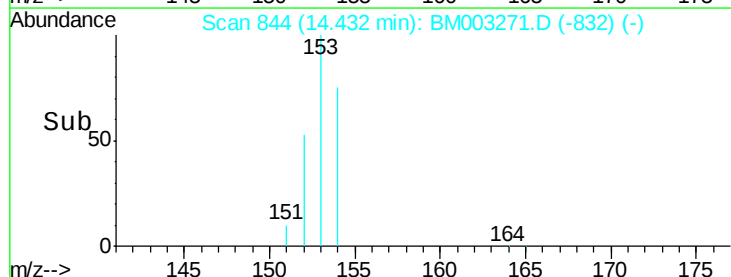
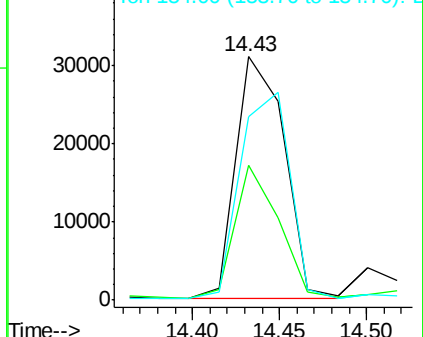
153 100

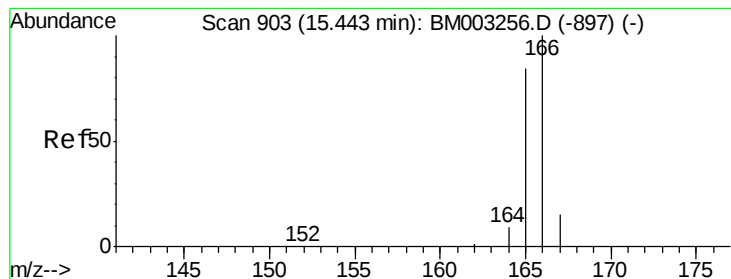
152 55.4 33.9 50.9#

154 75.1 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: 0.66 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. 0.00 min

Lab File: BM003271.D

Acq: 22 Nov 2015 04:51

Instrument :

BNA_M

ClientSampleId :

A4J57

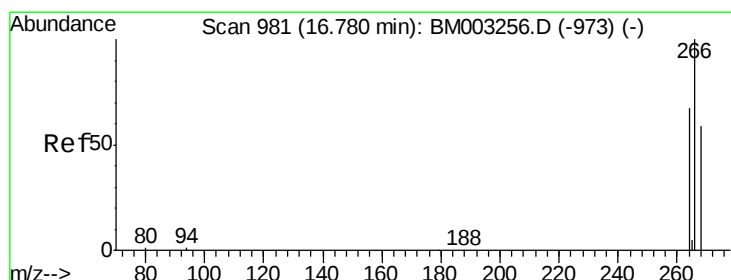
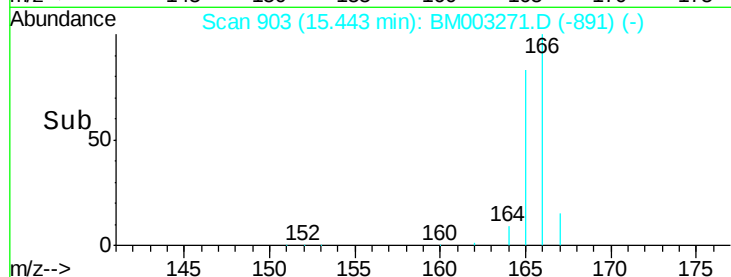
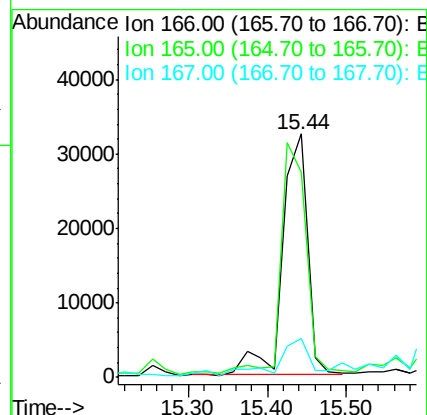
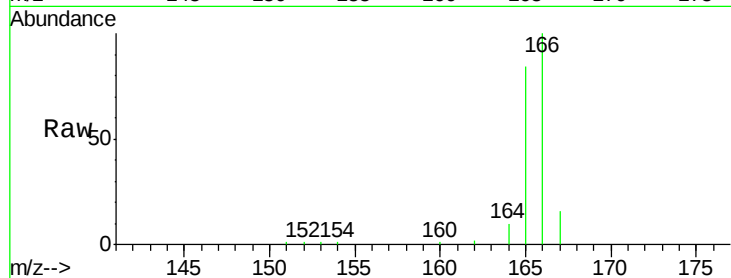
Tgt Ion:166 Resp: 70621

Ion Ratio Lower Upper

166 100

165 84.3 69.6 104.4

167 15.9 11.9 17.9



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM003271.D

Acq: 22 Nov 2015 04:51

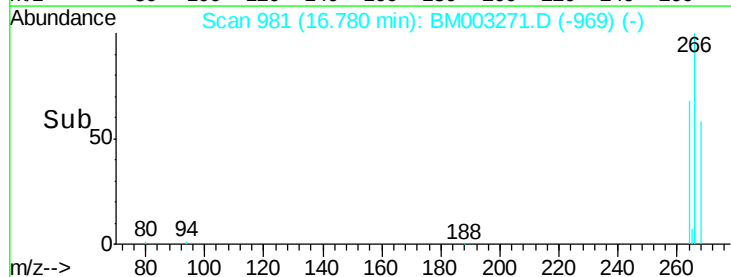
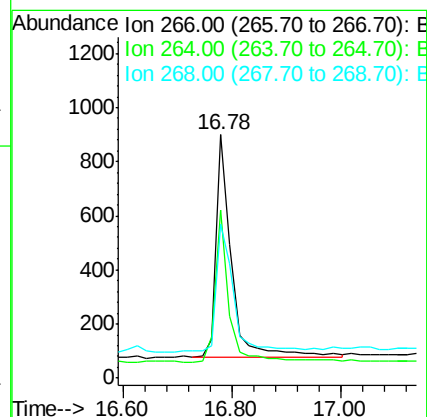
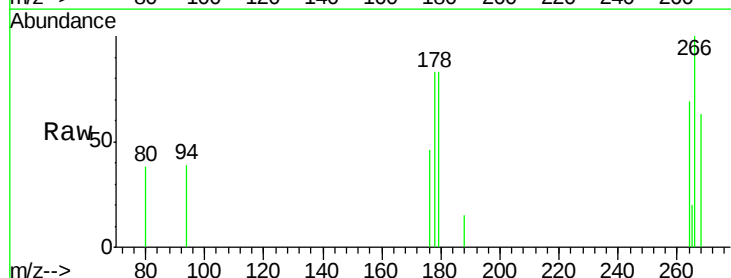
Tgt Ion:266 Resp: 1632

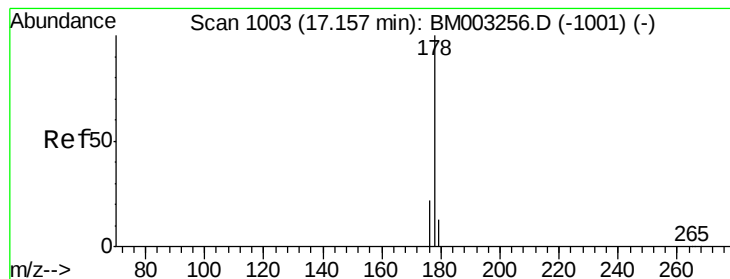
Ion Ratio Lower Upper

266 100

264 61.9 51.8 77.8

268 62.2 46.8 70.2





#14

Phenanthrene

Concen: 0.04 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.10 min

Lab File: BM003271.D

Acq: 22 Nov 2015 04:51

Instrument :

BNA_M

ClientSampleId :

A4J57

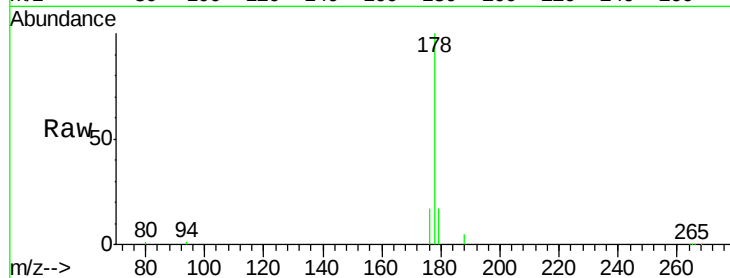
Tgt Ion:178 Resp: 256382

Ion Ratio Lower Upper

178 100

176 16.8 13.0 19.4

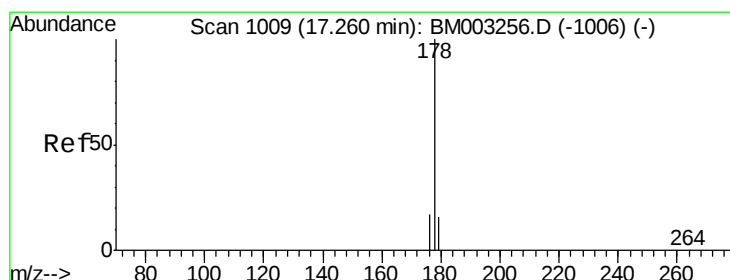
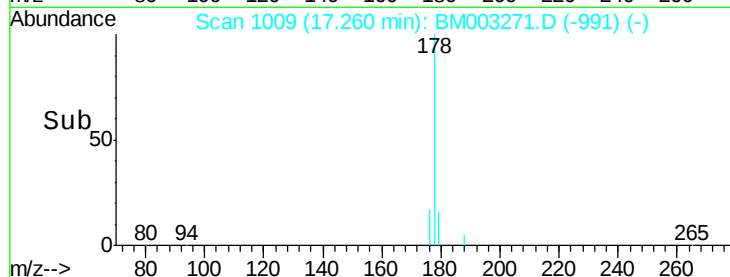
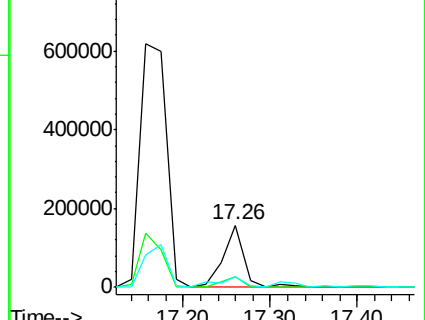
179 16.5 14.2 21.2



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: 0.04 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BM003271.D

Acq: 22 Nov 2015 04:51

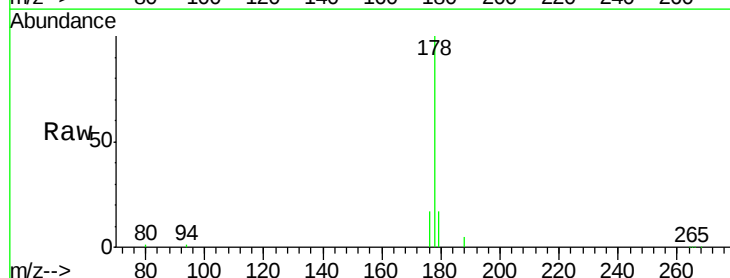
Tgt Ion:178 Resp: 260696

Ion Ratio Lower Upper

178 100

176 16.8 14.0 21.0

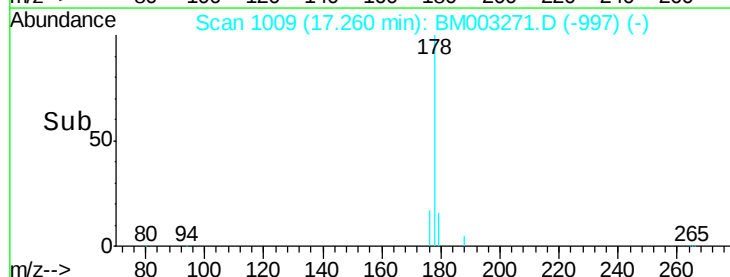
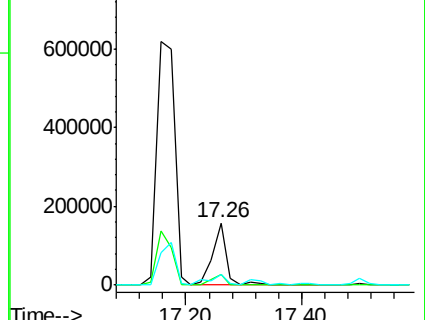
179 16.5 12.9 19.3

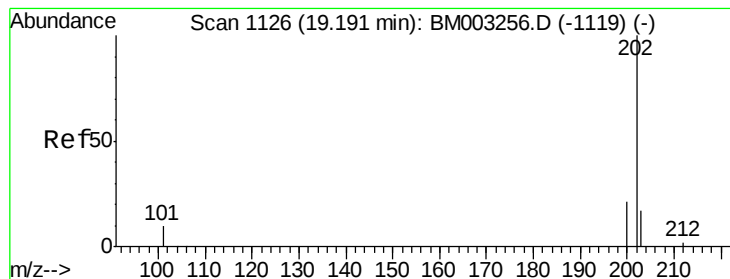


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.29 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. 0.00 min

Lab File: BM003271.D

Acq: 22 Nov 2015 04:51

Instrument :

BNA_M

ClientSampleId :

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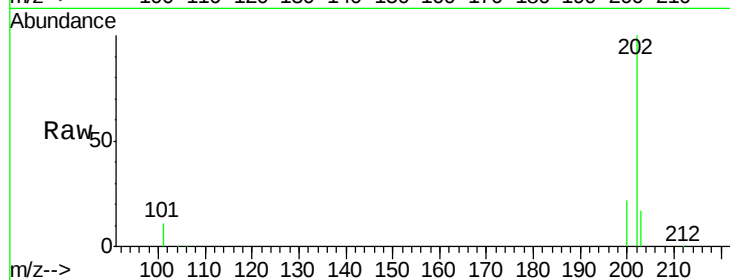
Tgt Ion:202 Resp: 2322302

Ion Ratio Lower Upper

202 100

101 10.8 0.0 29.6

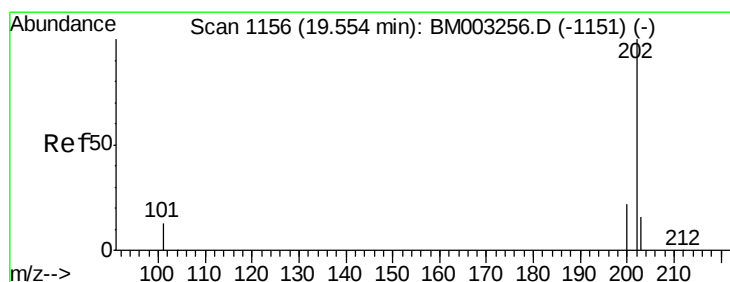
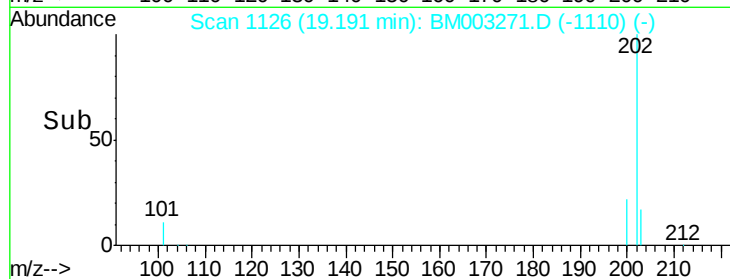
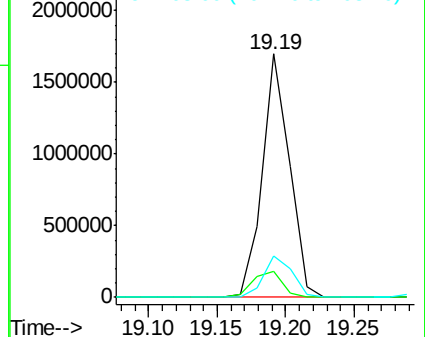
203 17.0 0.0 36.3



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: 9.65 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BM003271.D

Acq: 22 Nov 2015 04:51

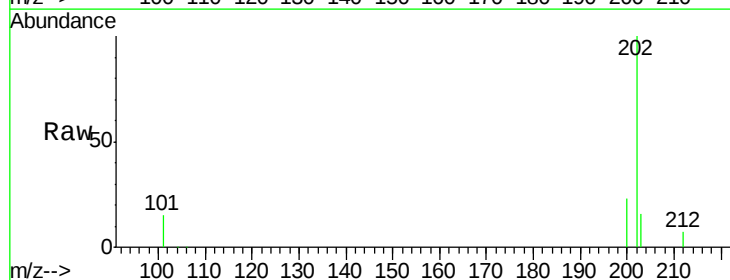
Tgt Ion:202 Resp: 2096450

Ion Ratio Lower Upper

202 100

200 23.0 17.8 26.8

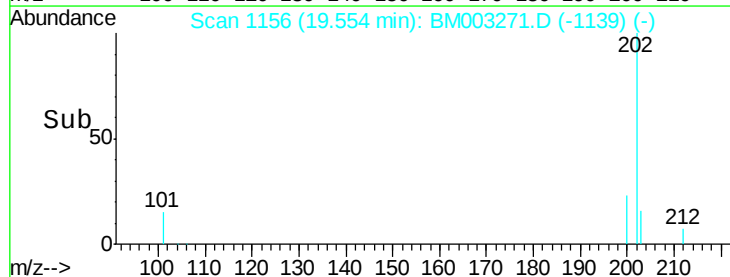
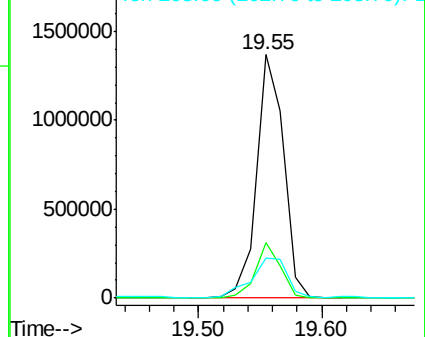
203 16.5 12.8 19.2

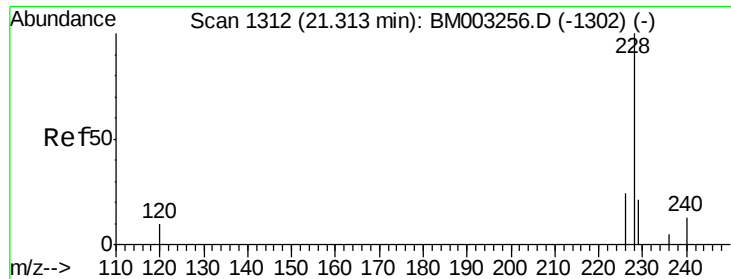


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 5.97 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BM003271.D

Acq: 22 Nov 2015 04:51

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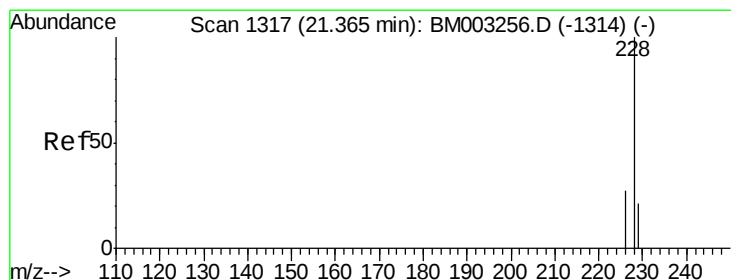
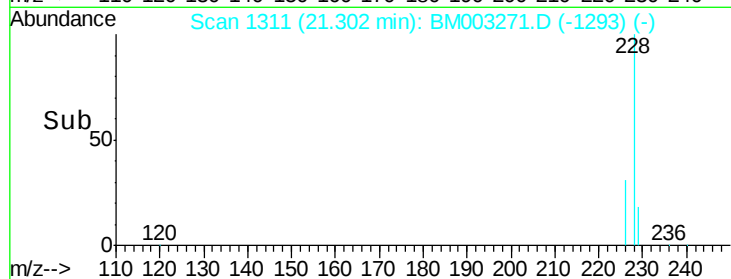
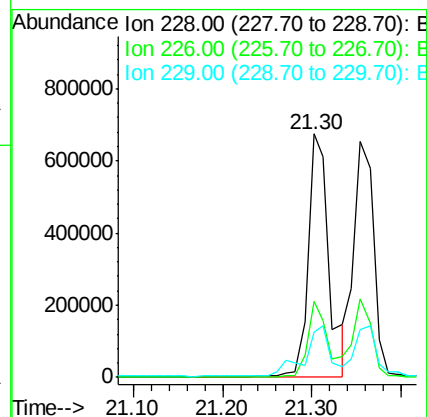
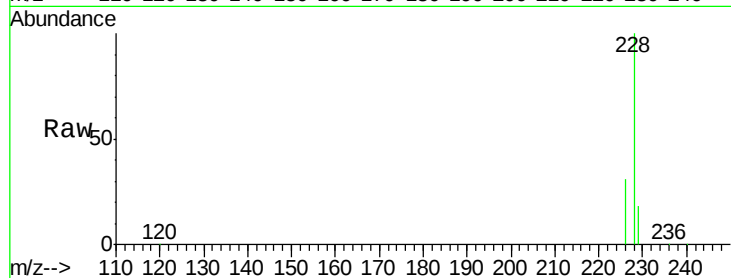
Tgt Ion:228 Resp: 1097434

Ion Ratio Lower Upper

228 100

226 31.1 18.8 28.2#

229 18.5 17.1 25.7



#21

Chrysene

Concen: 5.27 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.06 min

Lab File: BM003271.D

Acq: 22 Nov 2015 04:51

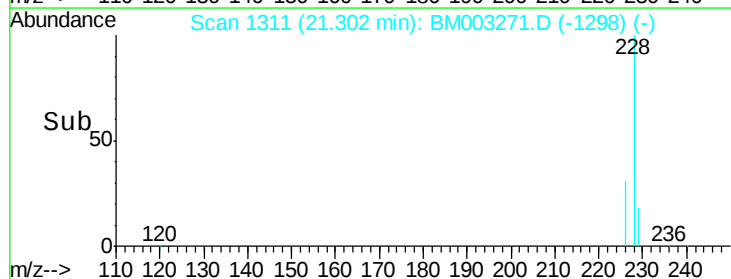
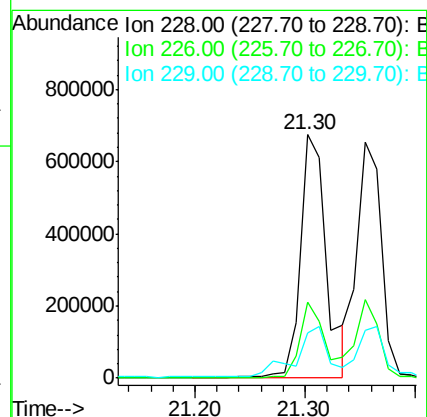
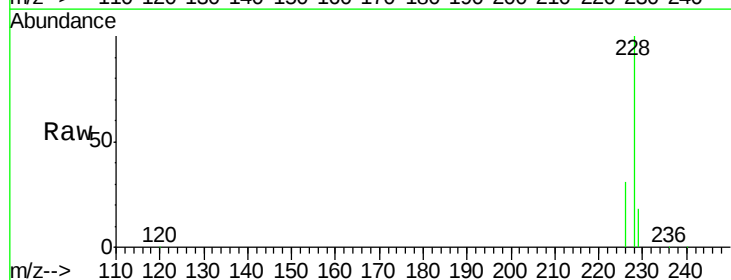
Tgt Ion:228 Resp: 1091683

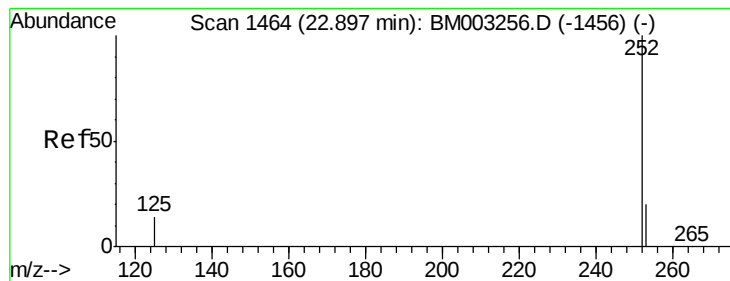
Ion Ratio Lower Upper

228 100

226 31.1 21.2 31.8

229 18.5 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 7.25 ng/u1

RT: 22.91 min Scan# 1465

Delta R.T. 0.01 min

Lab File: BM003271.D

Acq: 22 Nov 2015 04:51

Instrument :

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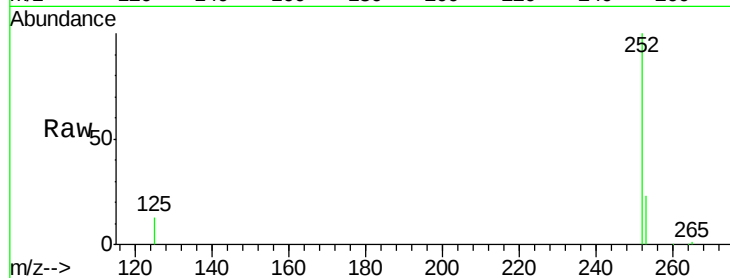
Tgt Ion:252 Resp: 1830243

Ion Ratio Lower Upper

252 100

253 23.4 0.0 45.4

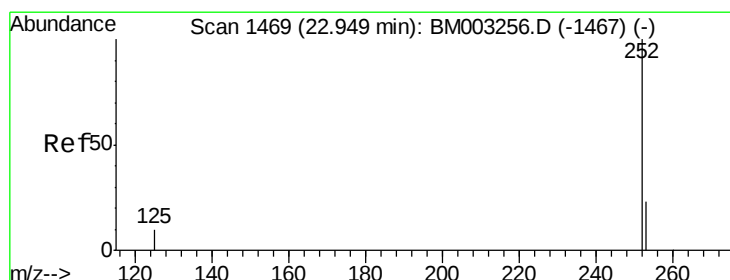
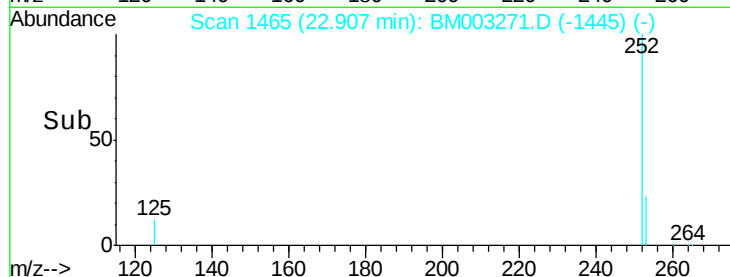
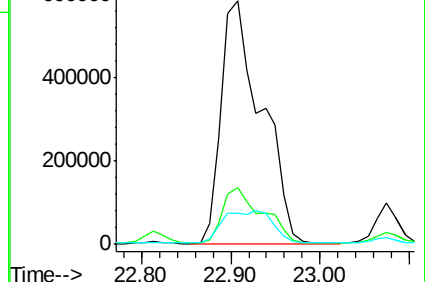
125 12.8 0.0 28.8



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: 7.67 ng/u1

RT: 22.91 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BM003271.D

Acq: 22 Nov 2015 04:51

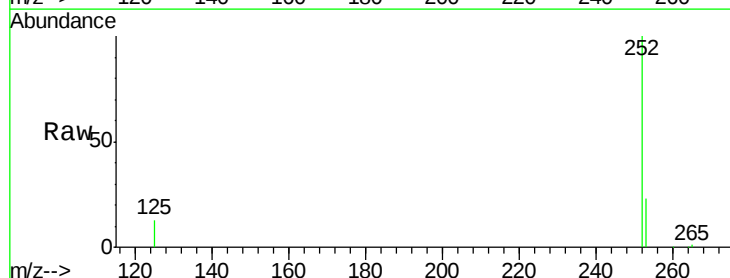
Tgt Ion:252 Resp: 1830243

Ion Ratio Lower Upper

252 100

253 23.4 19.8 29.8

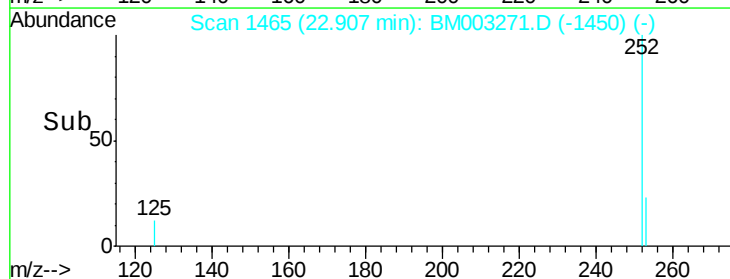
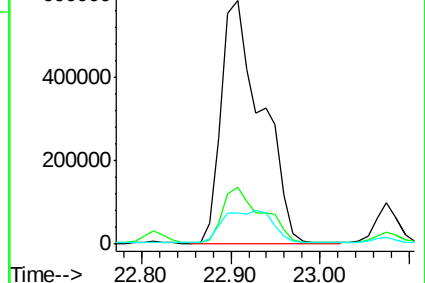
125 12.8 10.4 15.6

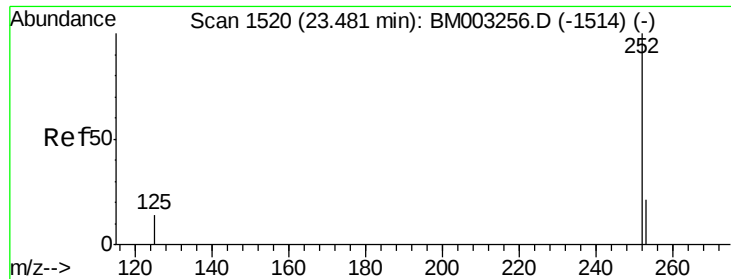


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 4.05 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. 0.00 min

Lab File: BM003271.D

Acq: 22 Nov 2015 04:51

Instrument :

BNA_M

ClientSampleId :

A4J57

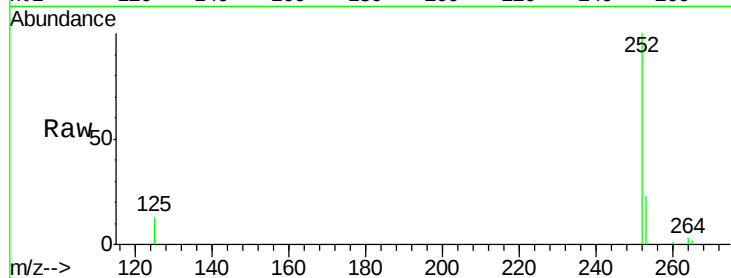
Tgt Ion:252 Resp: 909666

Ion Ratio Lower Upper

252 100

253 22.6 19.4 29.2

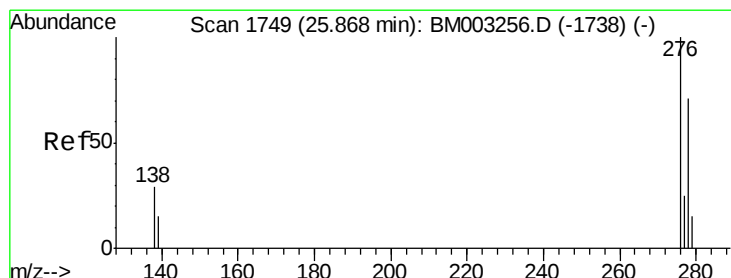
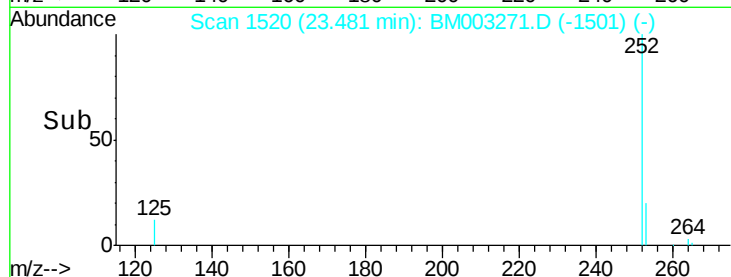
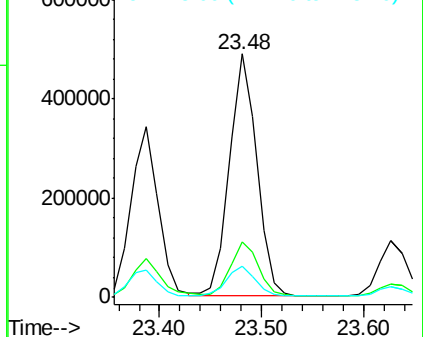
125 12.9 12.7 19.1



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: 2.33 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BM003271.D

Acq: 22 Nov 2015 04:51

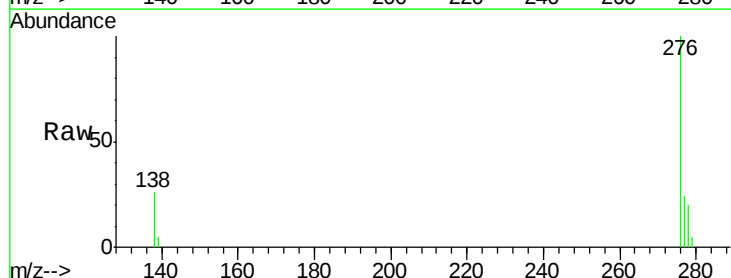
Tgt Ion:276 Resp: 623896

Ion Ratio Lower Upper

276 100

138 25.5 16.3 24.5#

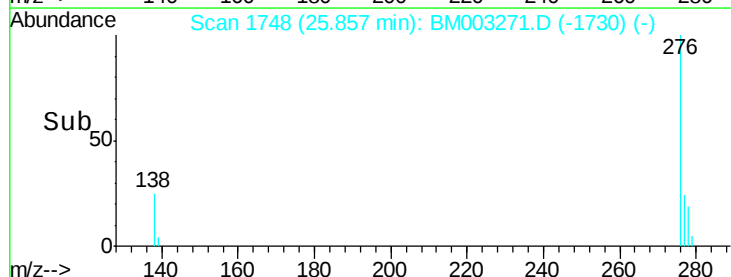
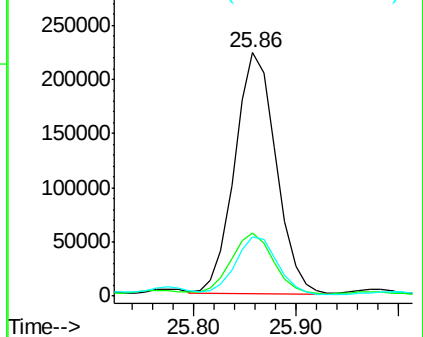
277 24.4 19.8 29.8

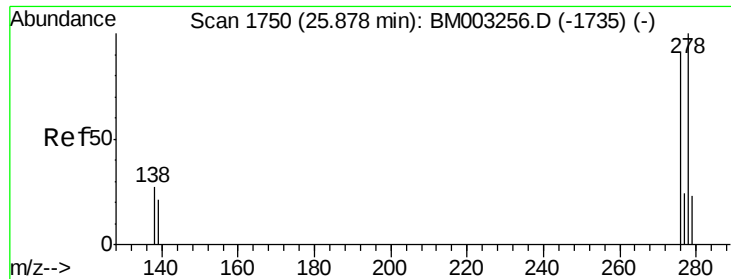


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

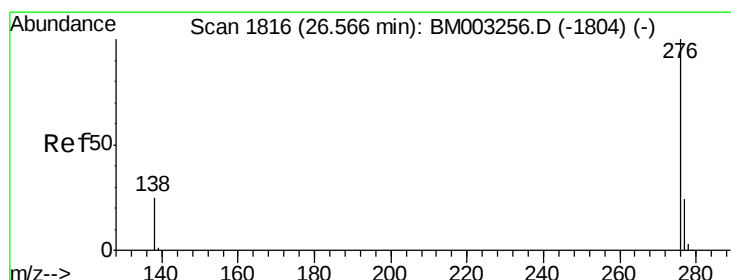
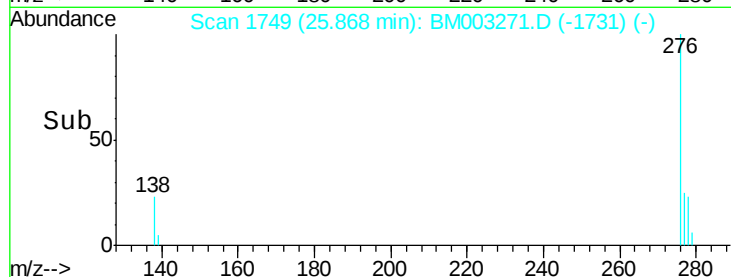
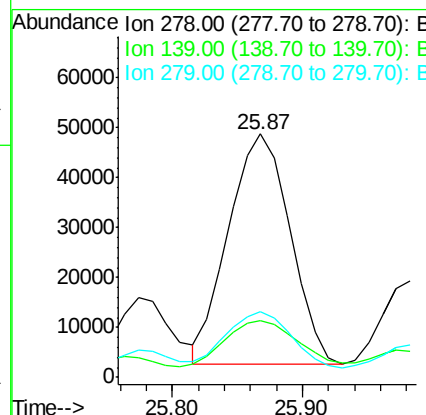
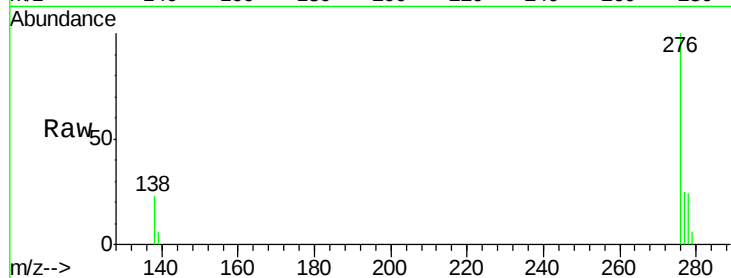




#27
Dibenzo(a,h)anthracene
Concen: 0.70 ng/ul
RT: 25.87 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

Instrument :
BNA_M
ClientSampleId :
A4J57

Tgt Ion: 278 Resp: 152137
Ion Ratio Lower Upper
278 100
139 23.5 16.4 24.6
279 26.8 20.2 30.2



#28
Benzo(g,h,i)perylene
Concen: 2.33 ng/ul
RT: 26.57 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

Tgt Ion: 276 Resp: 546888
Ion Ratio Lower Upper
276 100
277 24.7 18.9 28.3
138 25.4 22.5 33.7

