

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003851.D
 Acq On : 29 Dec 2015 05:18
 Operator : SJ/UM
 Sample : G4848-20
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N67

Quant Time: Dec 29 08:23:11 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 29 08:19:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3757	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	16394	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.33	164	9894	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.18	188	1355550	0.40	ng/ul	0.10
18) Chrysene-d12	21.29	240	18624	0.40	ng/ul	0.00
22) Perylene-d12	23.38	264	1035974	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.14	96	18957	11.80	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.07	152	7180	0.37	ng/ul	0.00
16) Fluoranthene-d10	19.11	212	17815	0.01	ng/ul	0.00

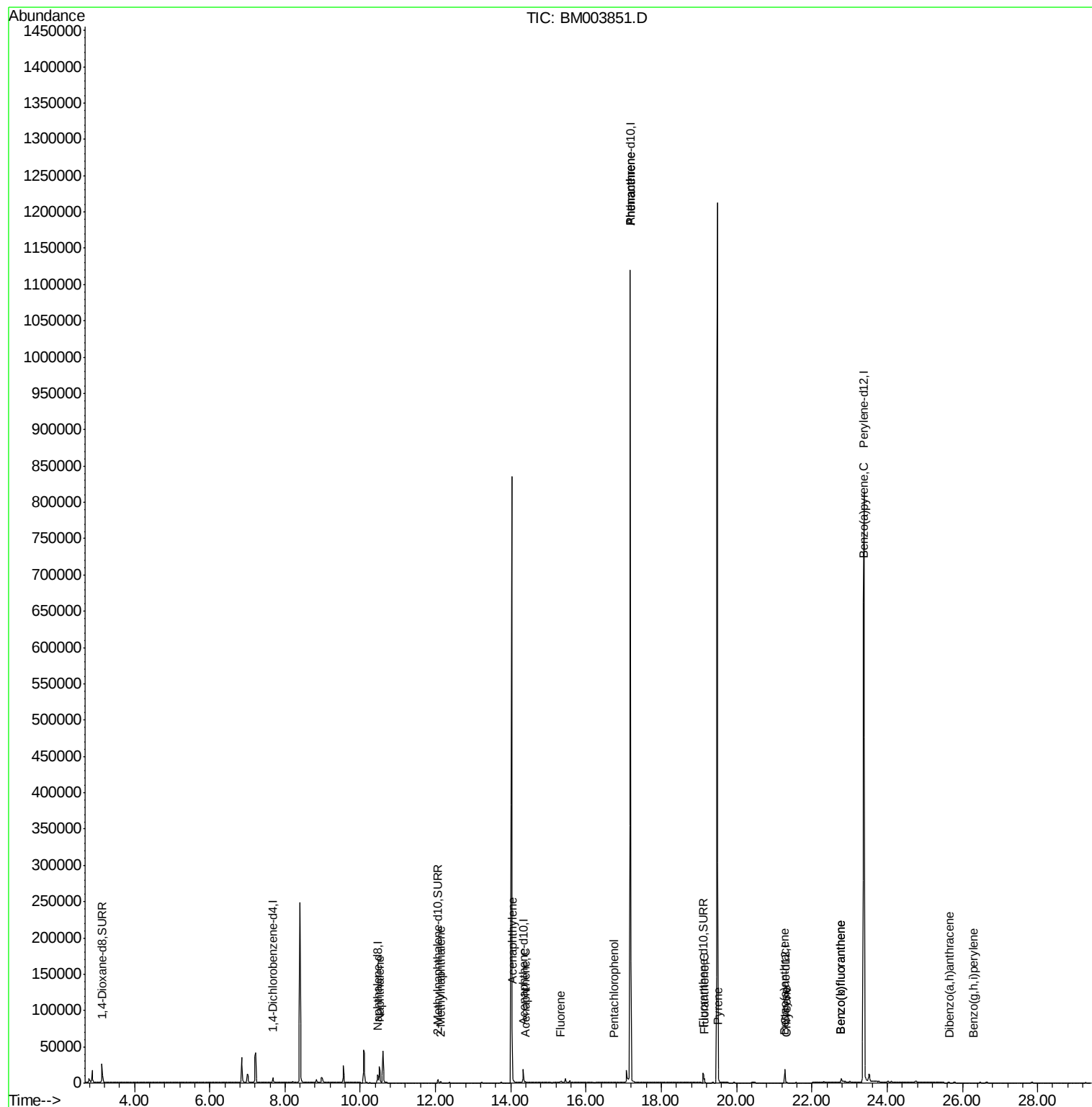
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.51	128	31290	0.85	ng/ul	97
7) 2-Methylnaphthalene	12.13	142	1668	0.07	ng/ul	97
9) Acenaphthylene	14.04	152	318	0.01	ng/ul#	36
10) Acenaphthene	14.38	153	909	0.03	ng/ul#	80
11) Fluorene	15.32	166	2447	0.07	ng/ul#	23
13) Pentachlorophenol	16.75	266	45	0.00	ng/ul#	84
14) Phenanthrene	17.18	178	930	0.00	ng/ul#	1
15) Anthracene	17.18	178	948	0.00	ng/ul#	1
17) Fluoranthene	19.15	202	5139	0.00	ng/ul	94
19) Pyrene	19.51	202	5740	0.11	ng/ul#	93
20) Benzo(a)anthracene	21.27	228	894	0.02	ng/ul#	79
21) Chrysene	21.32	228	872	0.02	ng/ul#	78
23) Benzo(b)fluoranthene	22.78	252	30	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.78	252	30	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.37	252	4337	0.00	ng/ul#	49
27) Dibenzo(a,h)anthracene	25.65	278	1056	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.29	276	4	0.00	ng/ul#	1

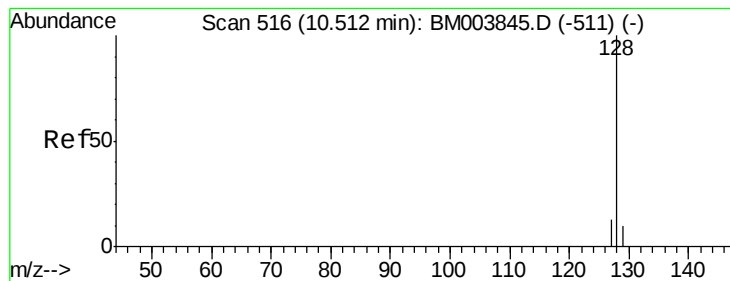
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.85 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. 0.00 min

Lab File: BM003851.D

Acq: 29 Dec 2015 05:18

Instrument :

BNA_M

ClientSampleId :

D9N67

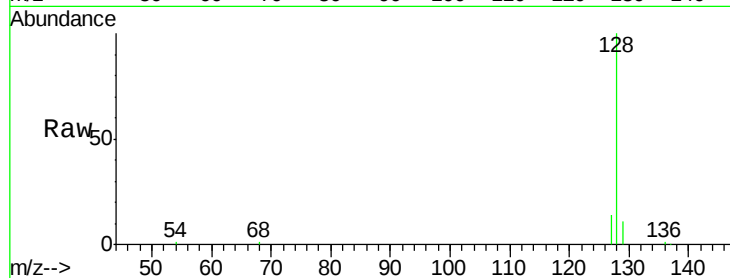
Tgt Ion:128 Resp: 31290

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

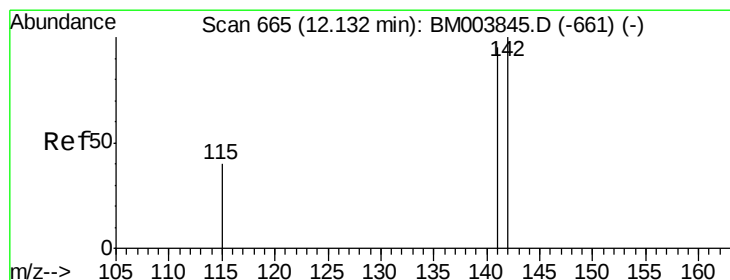
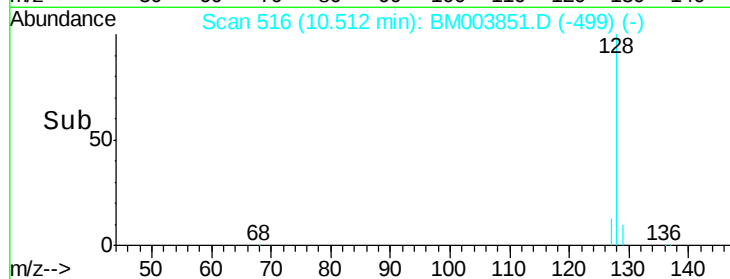
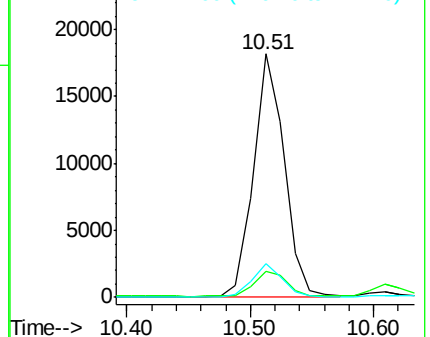
127 13.6 9.6 14.4



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: 0.07 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. 0.00 min

Lab File: BM003851.D

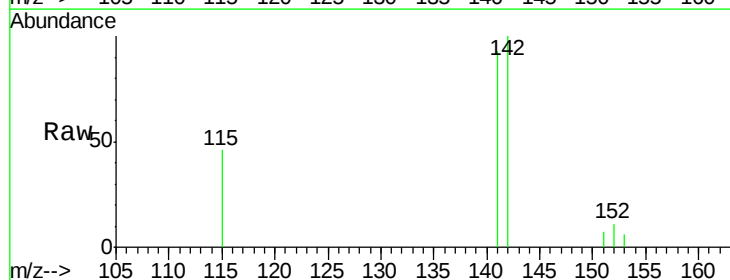
Acq: 29 Dec 2015 05:18

Tgt Ion:142 Resp: 1668

Ion Ratio Lower Upper

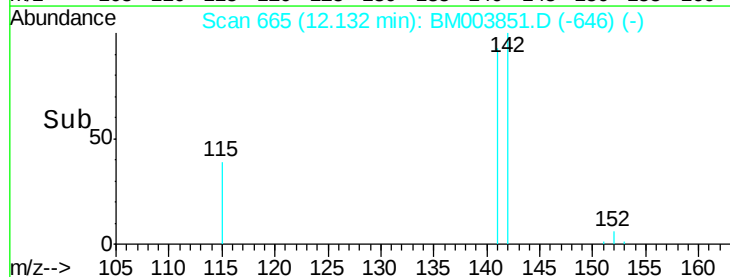
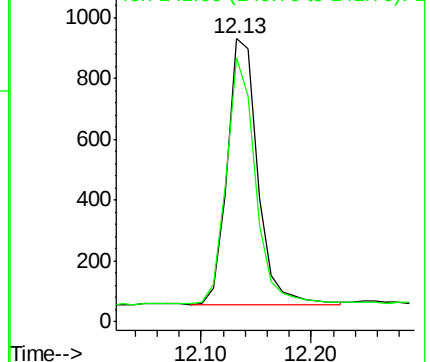
142 100

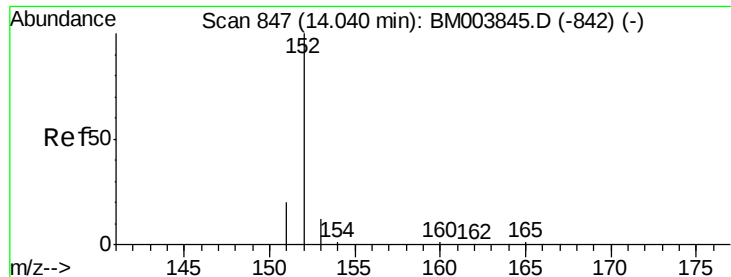
141 90.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM003851.D

Acq: 29 Dec 2015 05:18

Instrument :

BNA_M

ClientSampleId :

D9N67

Tgt Ion:152 Resp: 318

Ion Ratio Lower Upper

152 100

151 46.5 17.6 26.4#

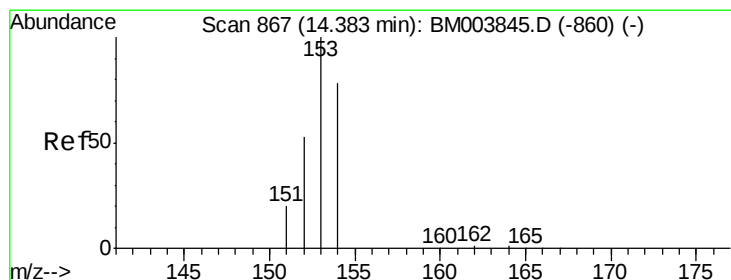
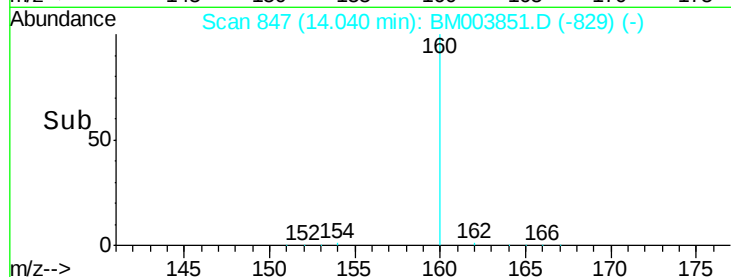
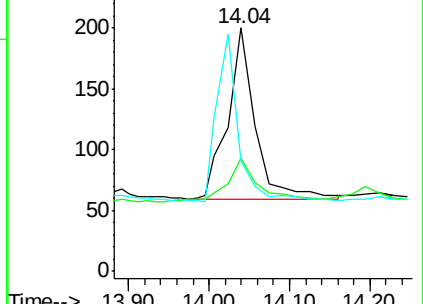
153 45.5 9.7 14.5#



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: 0.03 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM003851.D

Acq: 29 Dec 2015 05:18

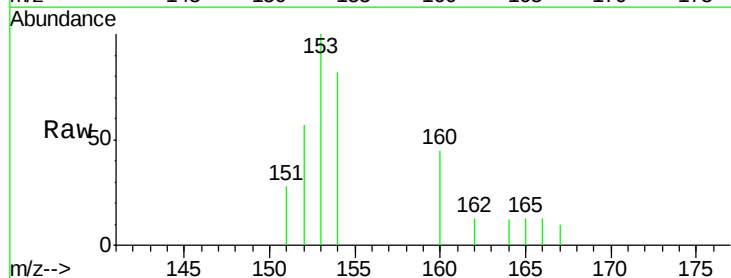
Tgt Ion:153 Resp: 909

Ion Ratio Lower Upper

153 100

152 57.1 33.9 50.9#

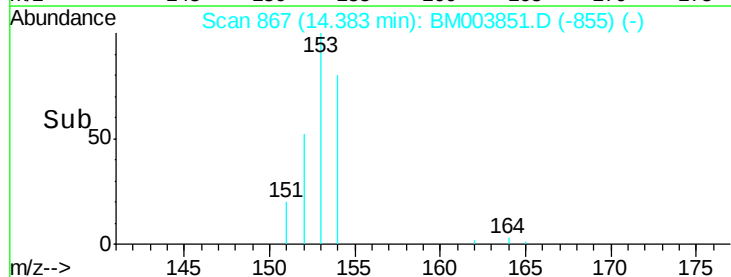
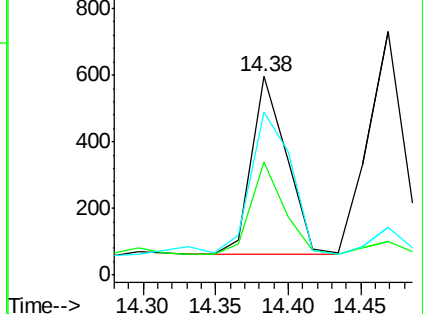
154 82.2 80.6 121.0

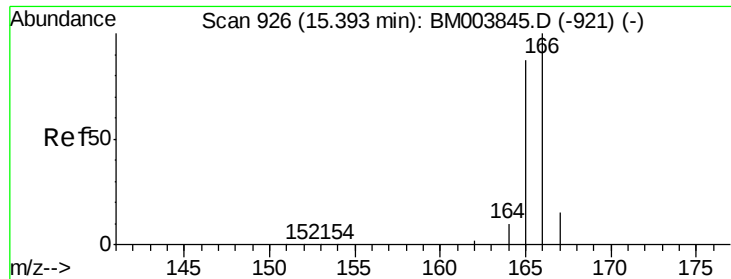


Abundance Ion 153.00 (152.70 to 153.70): E

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: 15.32 min Scan# 922

Delta R.T. -0.07 min

Lab File: BM003851.D

Acq: 29 Dec 2015 05:18

Instrument :

BNA_M

ClientSampleId :

D9N67

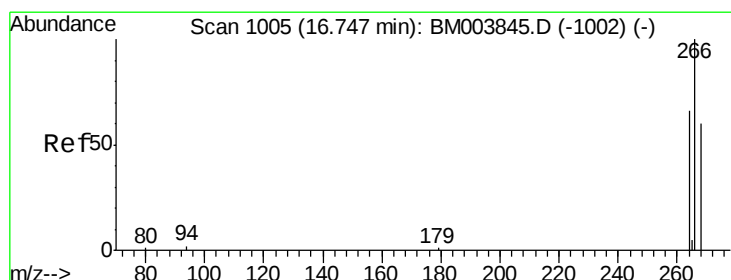
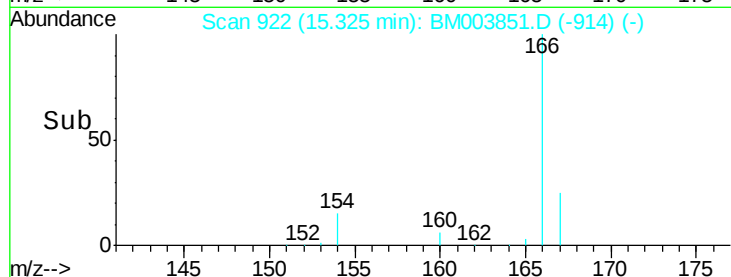
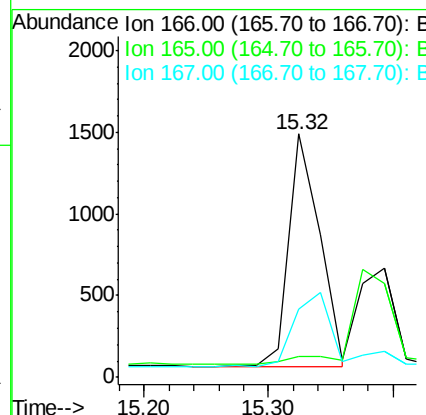
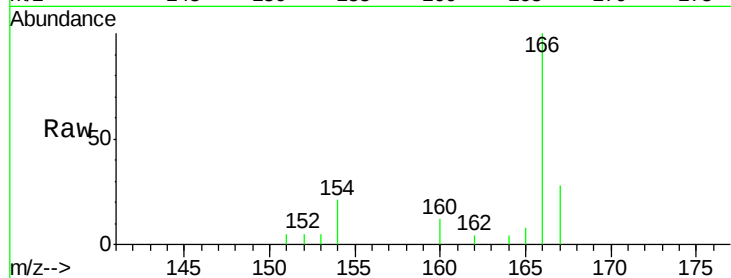
Tgt Ion:166 Resp: 2447

Ion Ratio Lower Upper

166 100

165 8.5 69.6 104.4#

167 28.2 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.75 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BM003851.D

Acq: 29 Dec 2015 05:18

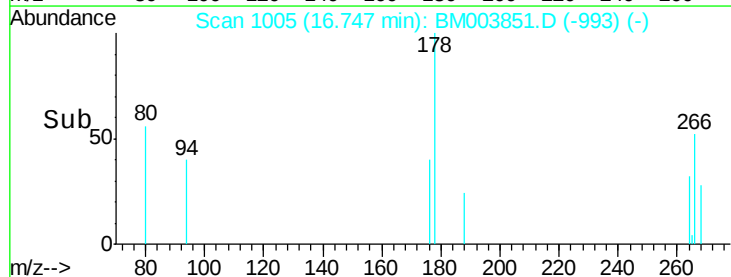
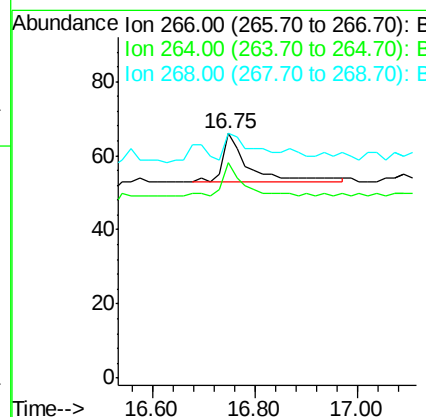
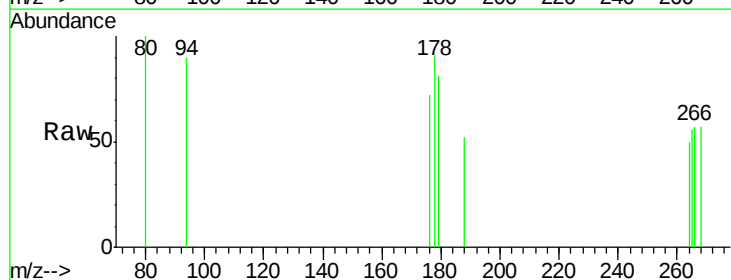
Tgt Ion:266 Resp: 45

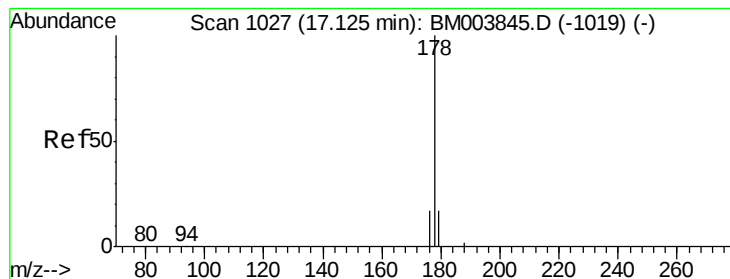
Ion Ratio Lower Upper

266 100

264 57.8 51.8 77.8

268 75.6 46.8 70.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. 0.05 min

Lab File: BM003851.D

Acq: 29 Dec 2015 05:18

Instrument :

BNA_M

ClientSampleId :

D9N67

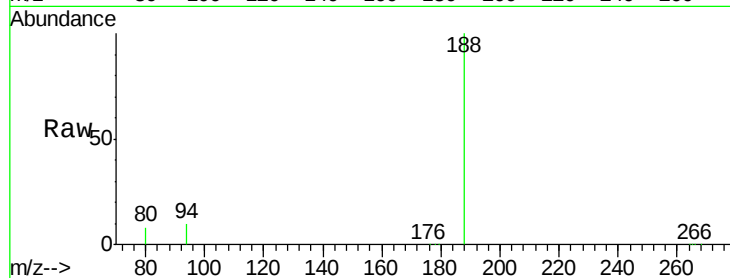
Tgt Ion:178 Resp: 930

Ion Ratio Lower Upper

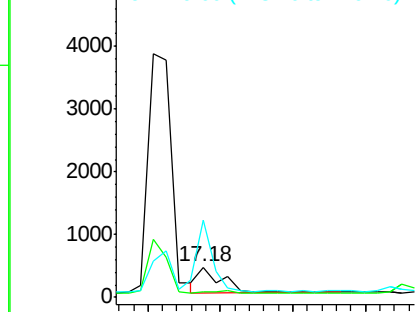
178 100

176 16.5 13.0 19.4

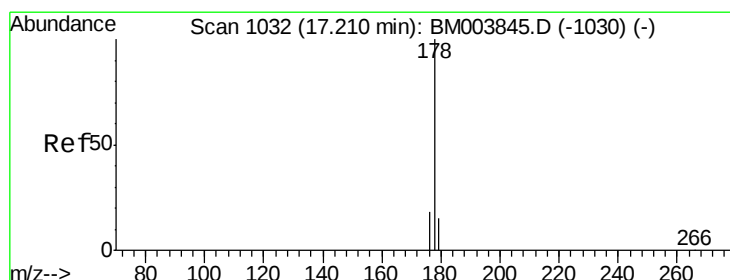
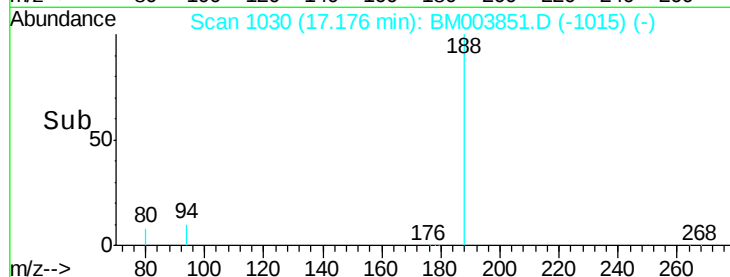
179 257.5 14.2 21.2#



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



Time-->



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.03 min

Lab File: BM003851.D

Acq: 29 Dec 2015 05:18

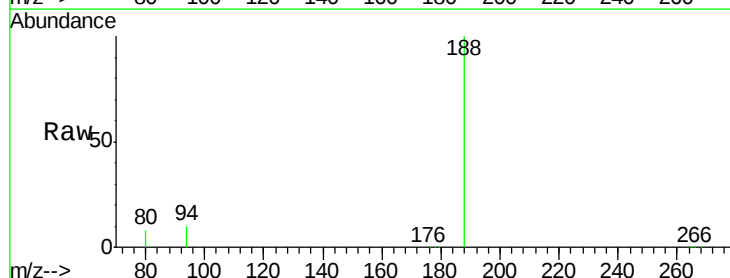
Tgt Ion:178 Resp: 948

Ion Ratio Lower Upper

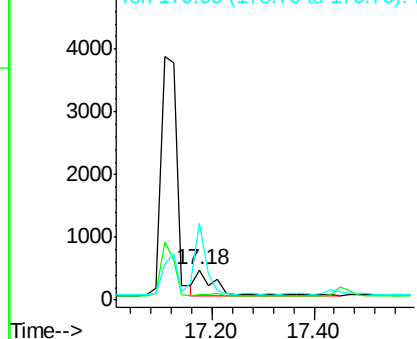
178 100

176 16.5 14.0 21.0

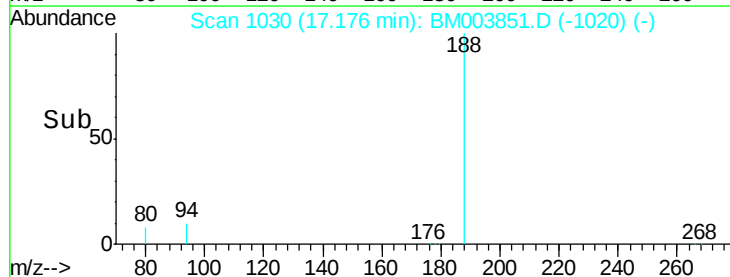
179 257.5 12.9 19.3#

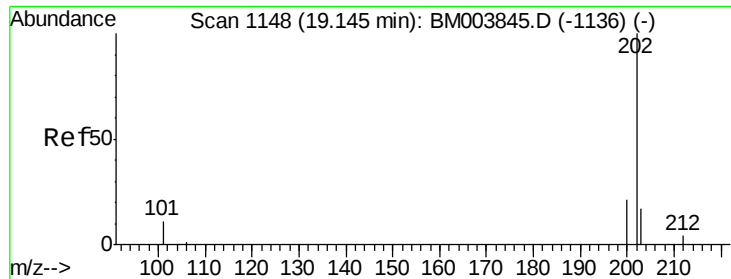


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->

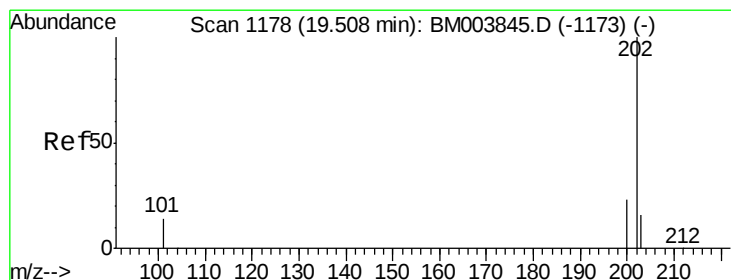
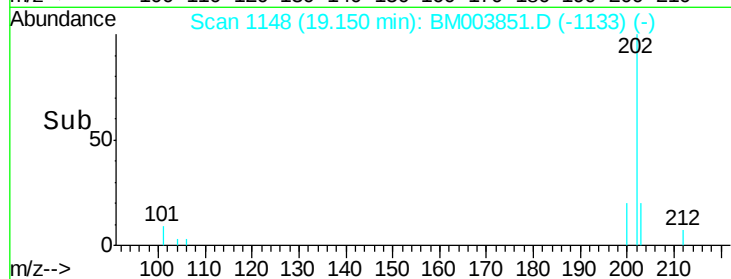
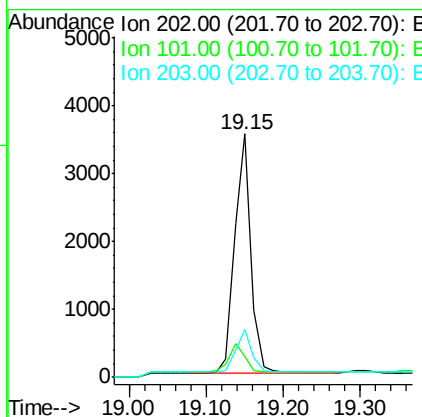
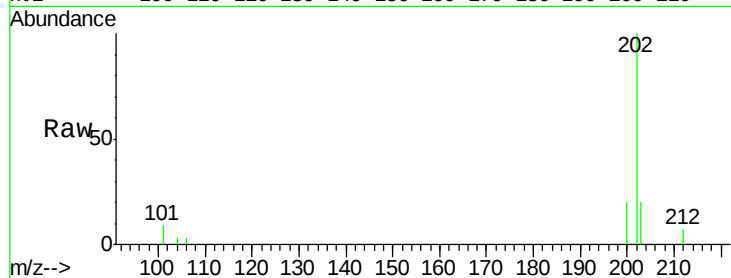




#17
Fluoranthene
Concen: 0.00 ng/ul
RT: 19.15 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BM003851.D
Acq: 29 Dec 2015 05:18

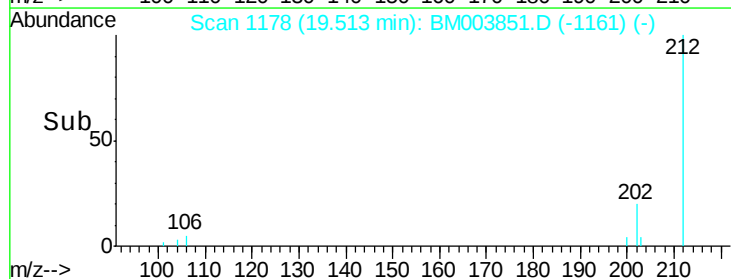
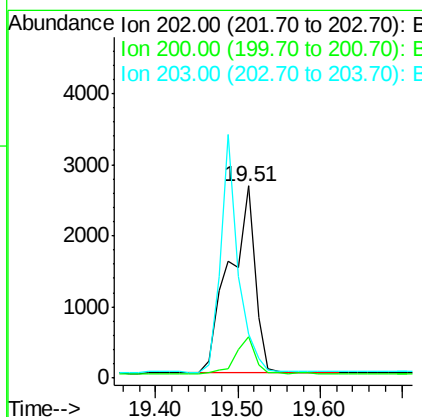
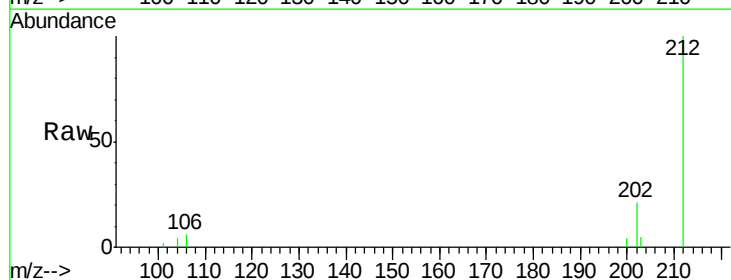
Instrument :
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ClientSampleId :
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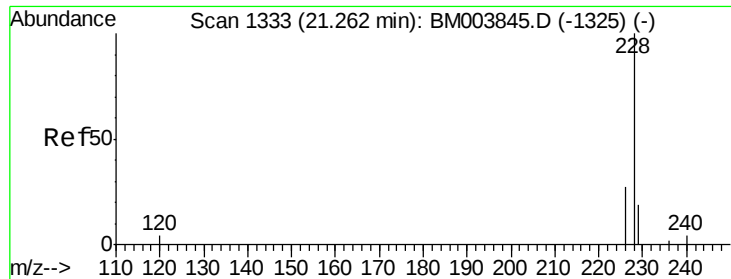
Tgt Ion:202 Resp: 5139
Ion Ratio Lower Upper
202 100
101 8.5 0.0 29.6
203 19.8 0.0 36.3



#19
Pyrene
Concen: 0.11 ng/ul
RT: 19.51 min Scan# 1178
Delta R.T. 0.01 min
Lab File: BM003851.D
Acq: 29 Dec 2015 05:18

Tgt Ion:202 Resp: 5740
Ion Ratio Lower Upper
202 100
200 21.6 17.8 26.8
203 22.8 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 21.27 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BM003851.D

Acq: 29 Dec 2015 05:18

Instrument :

BNA_M

ClientSampleId :

D9N67

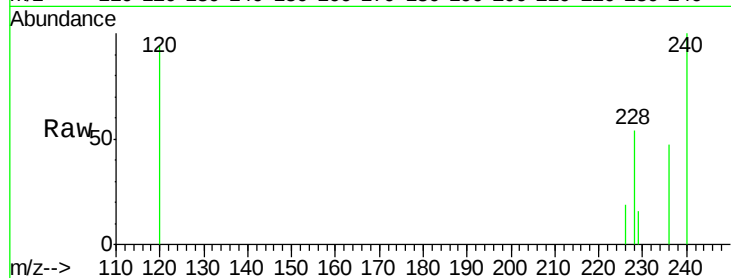
Tgt Ion:228 Resp: 894

Ion Ratio Lower Upper

228 100

226 35.4 18.8 28.2#

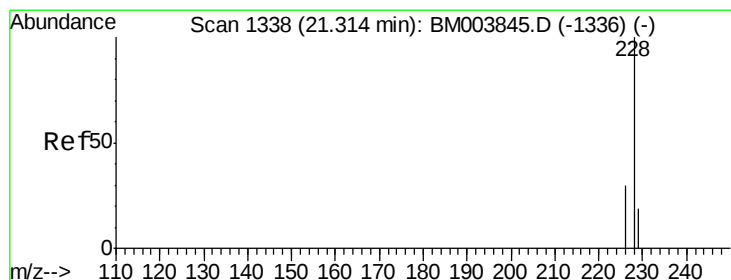
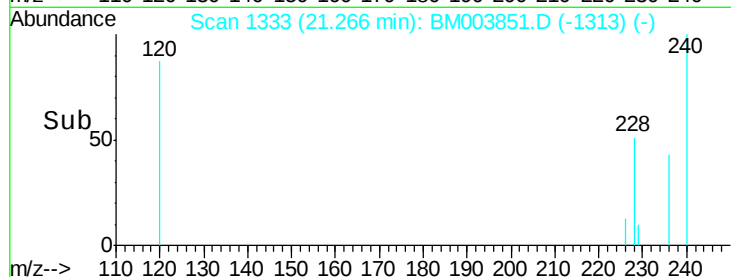
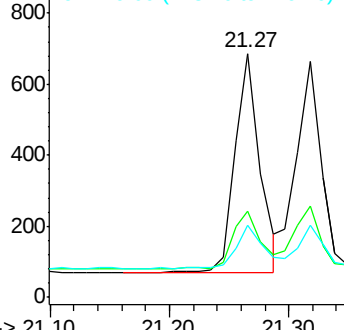
229 29.7 17.1 25.7#



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



#21

Chrysene

Concen: 0.02 ng/ul

RT: 21.32 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BM003851.D

Acq: 29 Dec 2015 05:18

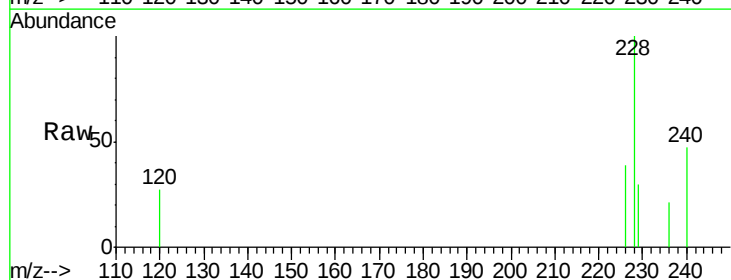
Tgt Ion:228 Resp: 872

Ion Ratio Lower Upper

228 100

226 38.6 21.2 31.8#

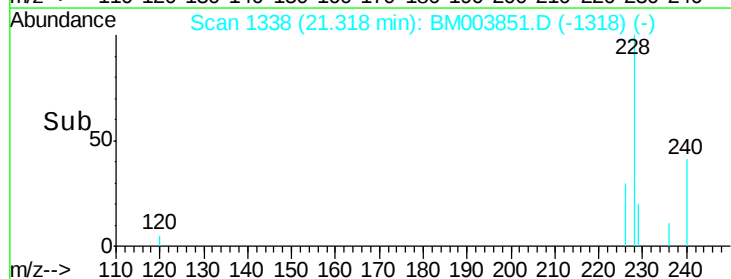
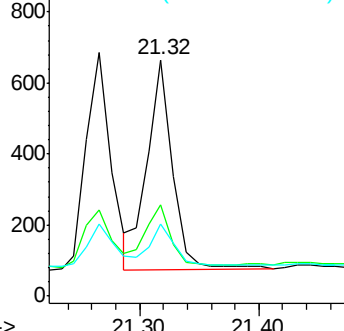
229 30.3 17.0 25.6#

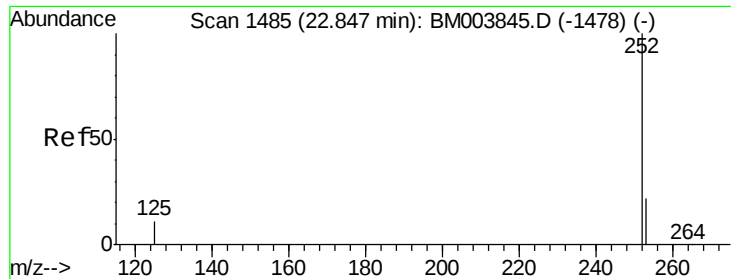


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.78 min Scan# 1478

Delta R.T. -0.07 min

Lab File: BM003851.D

Acq: 29 Dec 2015 05:18

Instrument :

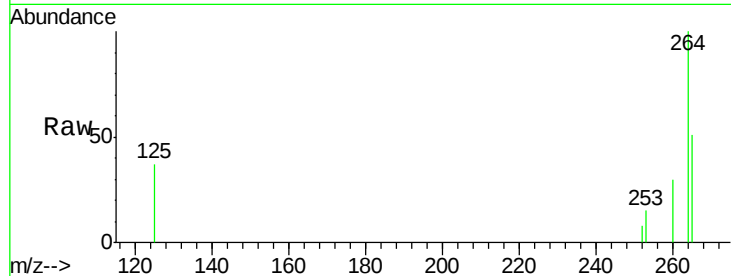
BNA_M

ClientSampleId :

D9N67

Tgt Ion:252 Resp: 30

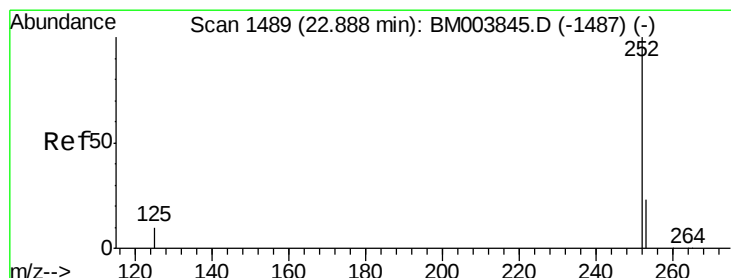
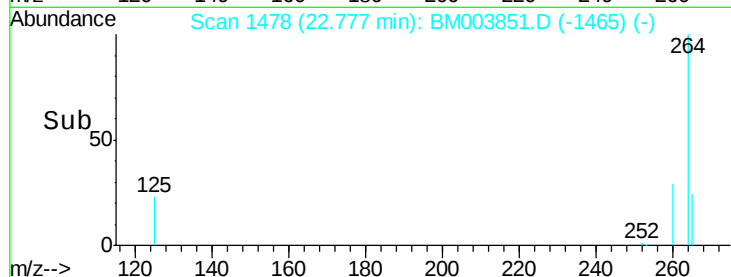
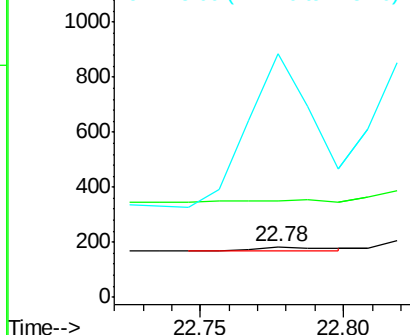
Ion	Ratio	Lower	Upper
252	100		
253	190.2	0.0	45.4#
125	481.0	0.0	28.8#



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: 0.00 ng/u1

RT: 22.78 min Scan# 1478

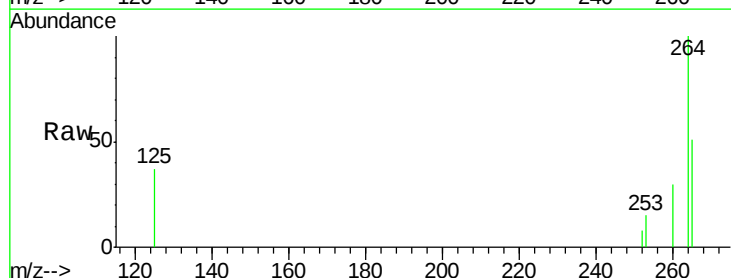
Delta R.T. -0.11 min

Lab File: BM003851.D

Acq: 29 Dec 2015 05:18

Tgt Ion:252 Resp: 30

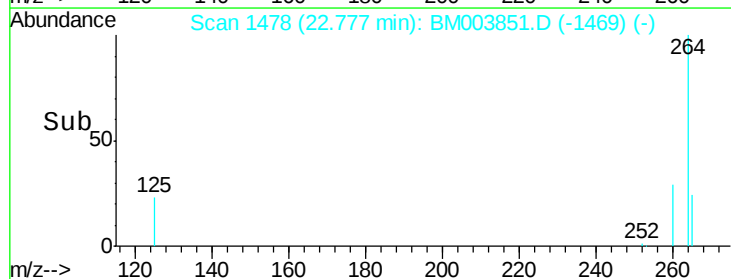
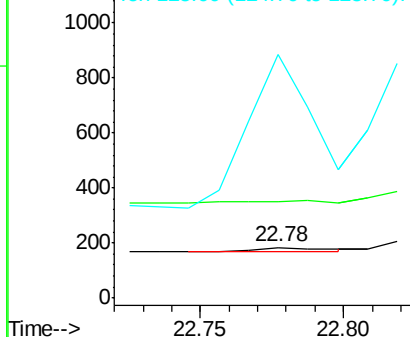
Ion	Ratio	Lower	Upper
252	100		
253	190.2	19.8	29.8#
125	481.0	10.4	15.6#

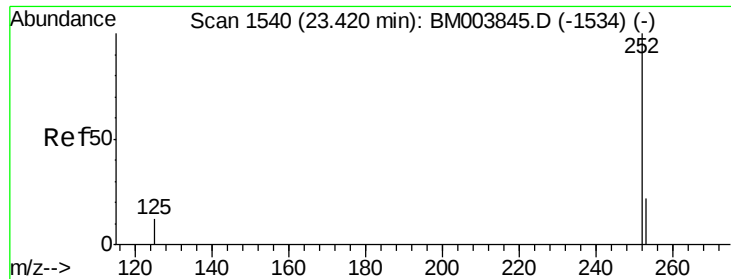


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.37 min Scan# 1535

Delta R.T. -0.05 min

Lab File: BM003851.D

Acq: 29 Dec 2015 05:18

Instrument :

BNA_M

ClientSampleId :

D9N67

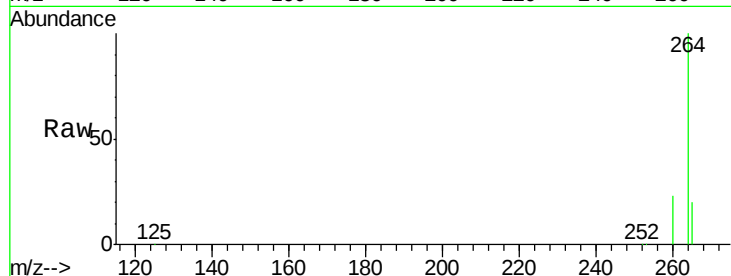
Tgt Ion: 252 Resp: 4337

Ion Ratio Lower Upper

252 100

253 38.9 19.4 29.2#

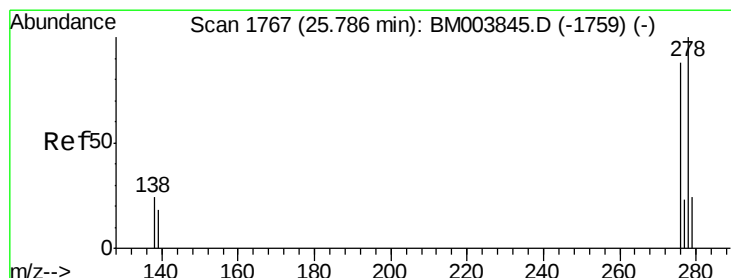
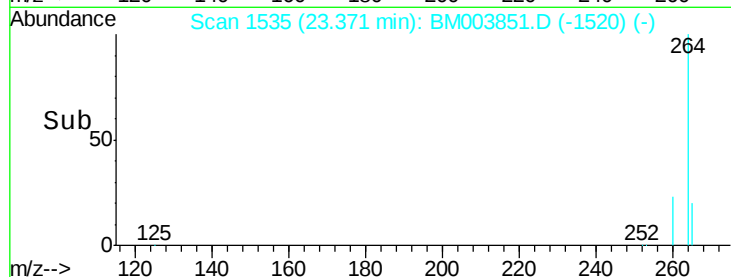
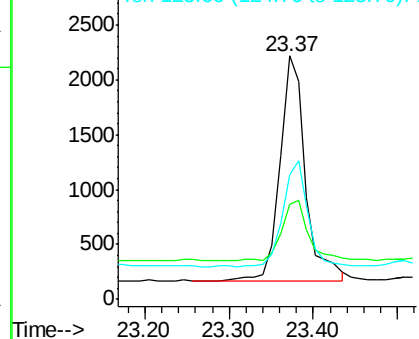
125 51.3 12.7 19.1#



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



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.65 min Scan# 1754

Delta R.T. -0.13 min

Lab File: BM003851.D

Acq: 29 Dec 2015 05:18

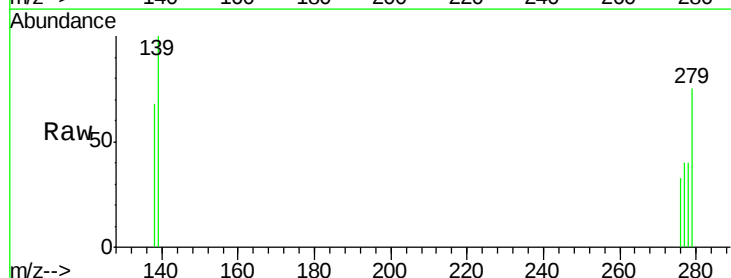
Tgt Ion: 278 Resp: 1056

Ion Ratio Lower Upper

278 100

139 247.5 16.4 24.6#

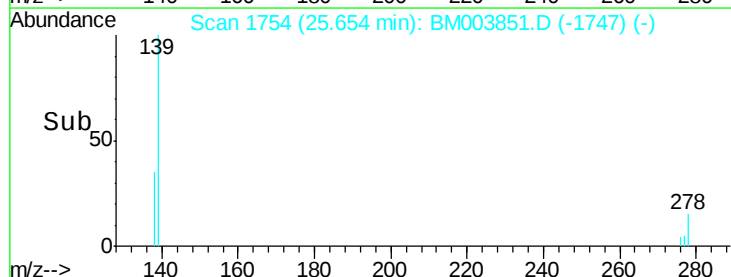
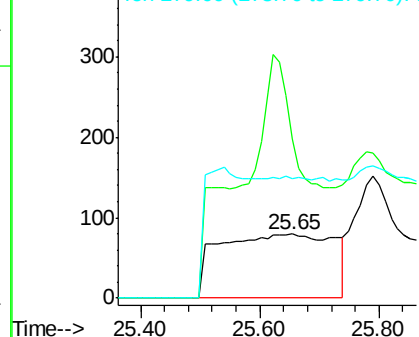
279 186.3 20.2 30.2#

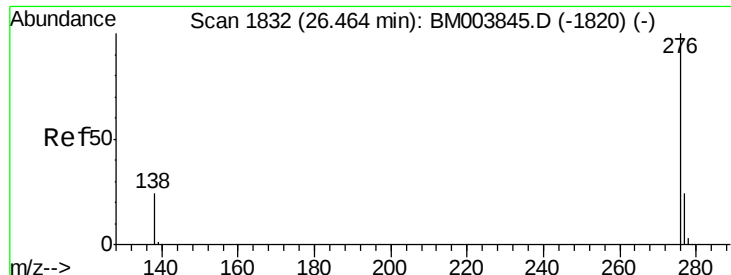


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.29 min Scan# 1815

Delta R.T. -0.17 min

Lab File: BM003851.D

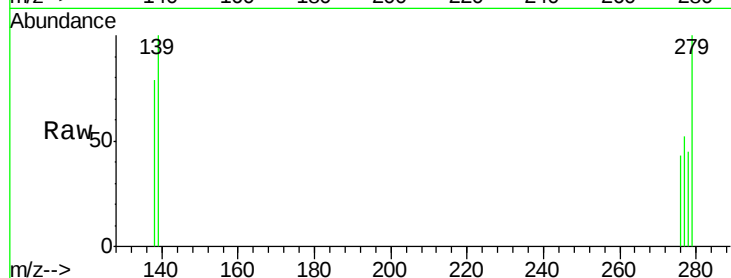
Acq: 29 Dec 2015 05:18

Instrument :

BNA_M

ClientSampleId :

D9N67



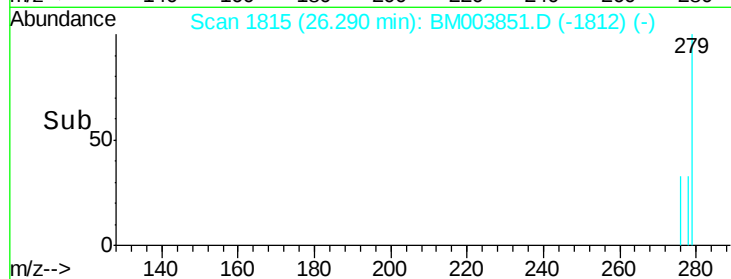
Tgt Ion: 276 Resp: 4

Ion Ratio Lower Upper

276 100

277 120.0 18.9 28.3#

138 183.1 22.5 33.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

150

100

50

0

26.25 26.30

26.29

Time-->