

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003847.D
 Acq On : 29 Dec 2015 02:55
 Operator : SJ/UM
 Sample : G4848-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N58

Quant Time: Dec 29 08:21:49 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	4068	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	17830	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.33	164	10660	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.18	188	1331669	0.40	ng/ul	0.10
18) Chrysene-d12	21.28	240	20816	0.40	ng/ul	0.00
22) Perylene-d12	23.38	264	1034426	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.14	96	18167	10.45	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.06	152	7013	0.33	ng/ul	-0.01
16) Fluoranthene-d10	19.12	212	18381	0.01	ng/ul	0.00

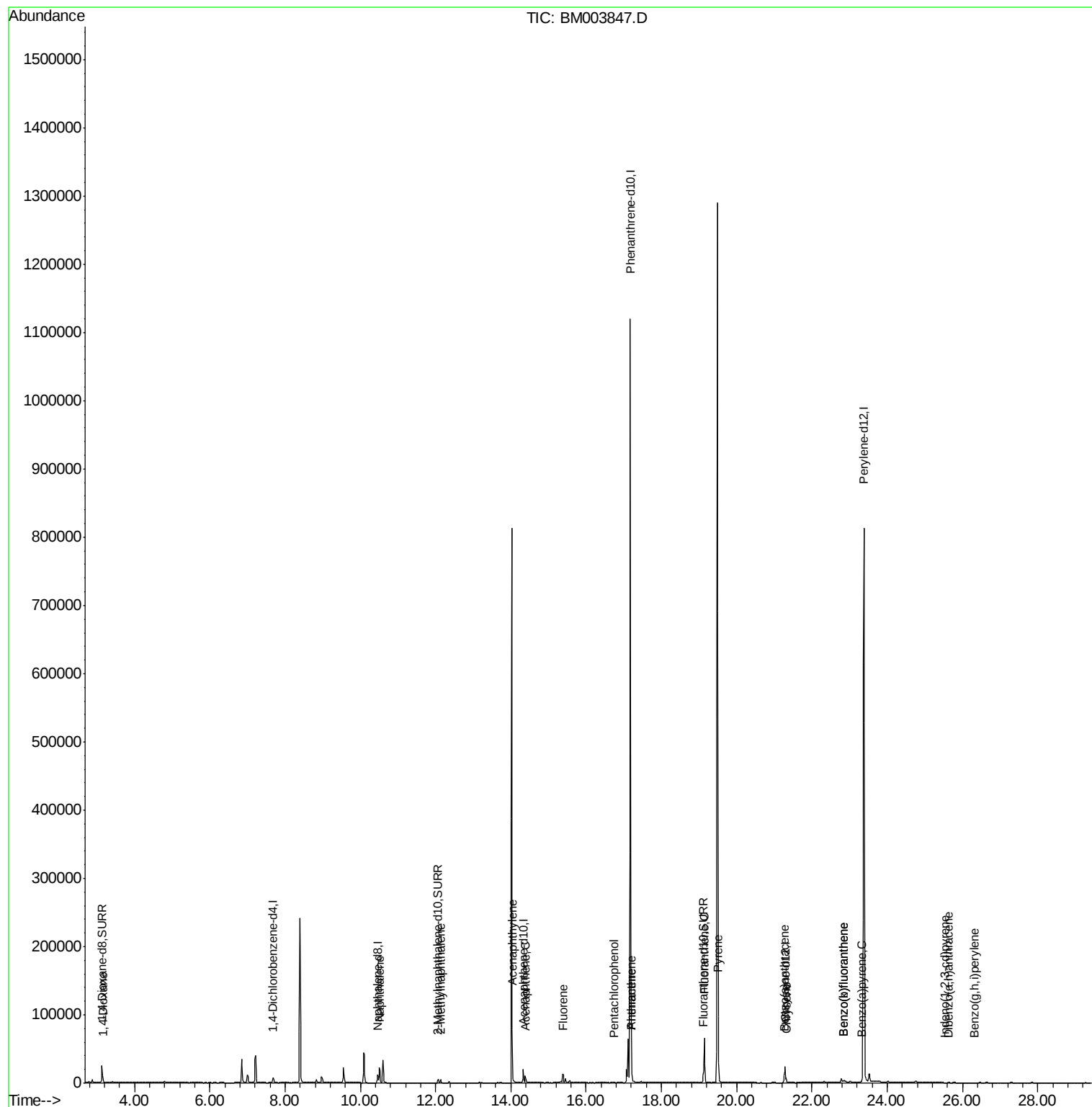
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.17	88	188	0.08	ng/ul#	1
5) Naphthalene	10.51	128	31971	0.80	ng/ul	97
7) 2-Methylnaphthalene	12.13	142	4287	0.16	ng/ul	98
9) Acenaphthylene	14.04	152	934	0.02	ng/ul#	80
10) Acenaphthene	14.38	153	7139	0.22	ng/ul#	80
11) Fluorene	15.39	166	13633	0.37	ng/ul	95
13) Pentachlorophenol	16.75	266	54	0.00	ng/ul#	84
14) Phenanthrene	17.21	178	8487	0.00	ng/ul	95
15) Anthracene	17.21	178	8504	0.00	ng/ul#	95
17) Fluoranthene	19.14	202	58255	0.02	ng/ul	99
19) Pyrene	19.51	202	43424	0.77	ng/ul	98
20) Benzo(a)anthracene	21.26	228	7367	0.14	ng/ul#	94
21) Chrysene	21.31	228	6527	0.11	ng/ul	93
23) Benzo(b)fluoranthene	22.85	252	2719	0.00	ng/ul#	59
24) Benzo(k)fluoranthene	22.85	252	4428	0.00	ng/ul#	61
25) Benzo(a)pyrene	23.32	252	1236	0.00	ng/ul#	18
26) Indeno(1,2,3-cd)pyrene	25.54	276	991	0.00	ng/ul#	31
27) Dibenzo(a,h)anthracene	25.64	278	1143	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.31	276	21	0.00	ng/ul#	1

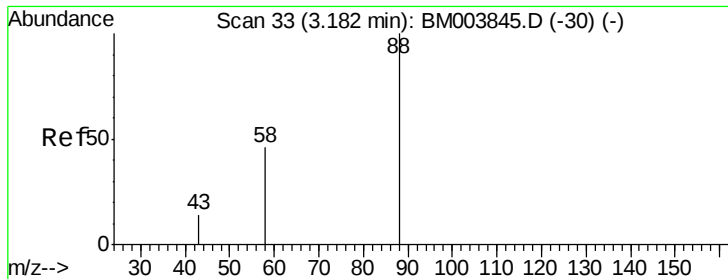
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.08 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. -0.02 min

Lab File: BM003847.D

Acq: 29 Dec 2015 02:55

Instrument :

BNA_M

ClientSampleId :

D9N58

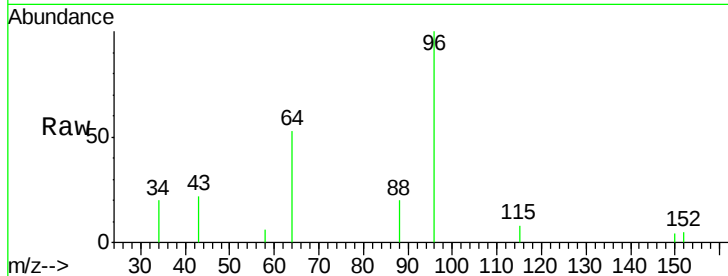
Tgt Ion: 88 Resp: 188

Ion Ratio Lower Upper

88 100

58 0.0 8.0 12.0#

43 179.8 8.0 12.0#

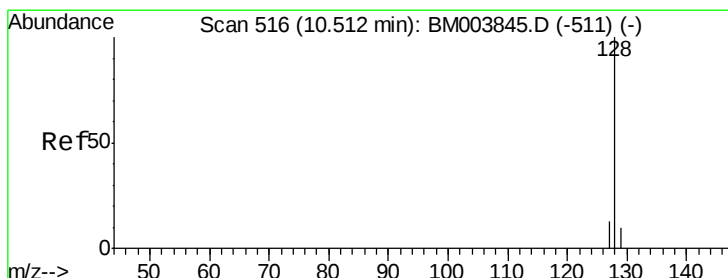
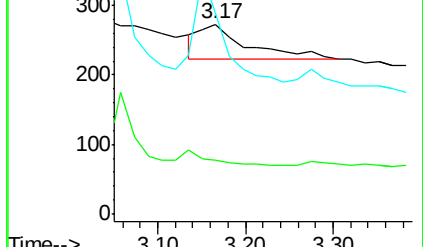
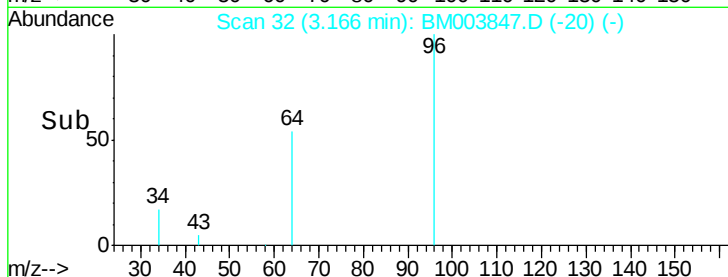


Abundance Ion 88.00 (87.70 to 88.70): BM003847.D (-30) (-)

Ion 58.00 (57.70 to 58.70): BM003847.D (-30) (-)

Ion 43.00 (42.70 to 43.70): BM003847.D (-30) (-)

Time-->



#5

Naphthalene

Concen: 0.80 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. 0.00 min

Lab File: BM003847.D

Acq: 29 Dec 2015 02:55

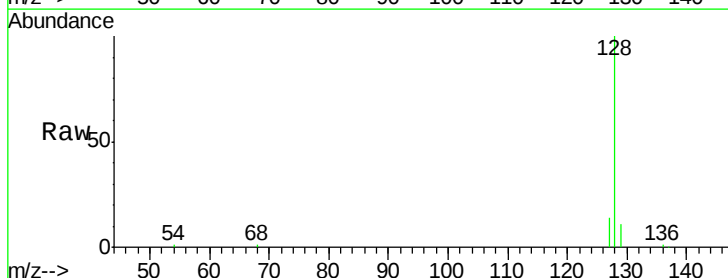
Tgt Ion: 128 Resp: 31971

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

127 13.6 9.6 14.4

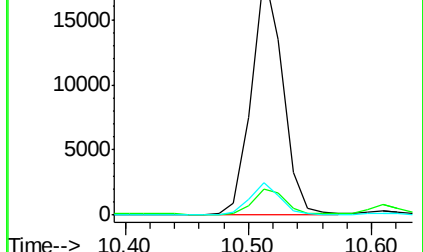
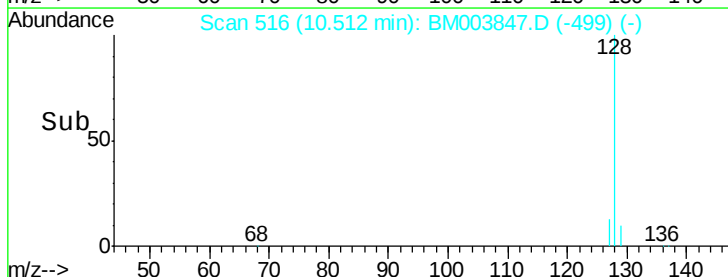


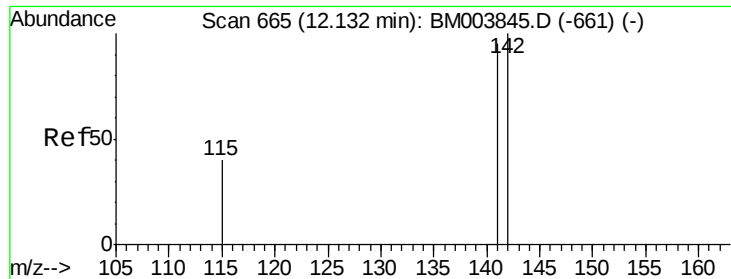
Abundance Ion 128.00 (127.70 to 128.70): BM003847.D (-511) (-)

Ion 129.00 (128.70 to 129.70): BM003847.D (-511) (-)

Ion 127.00 (126.70 to 127.70): BM003847.D (-511) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.16 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. 0.00 min

Lab File: BM003847.D

Acq: 29 Dec 2015 02:55

Instrument :

BNA_M

ClientSampleId :

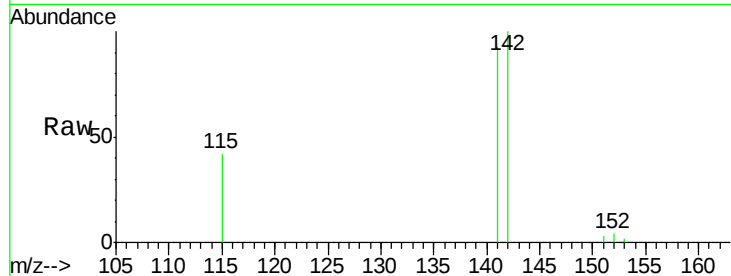
D9N58

Tgt Ion:142 Resp: 4287

Ion Ratio Lower Upper

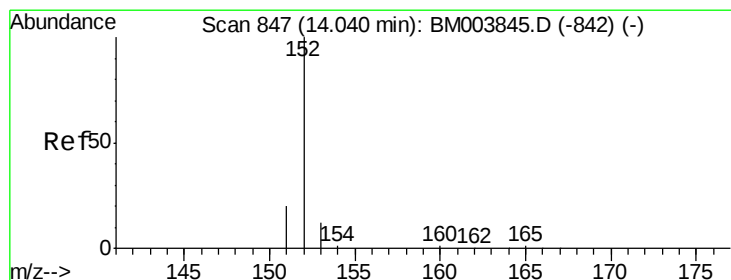
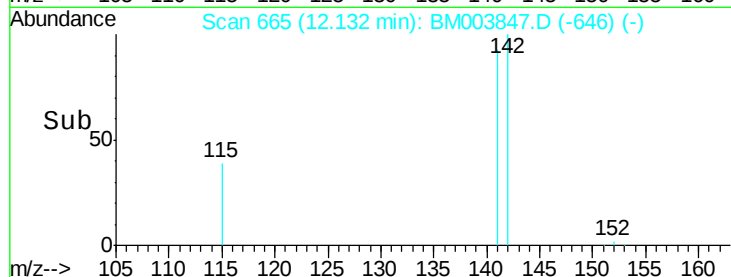
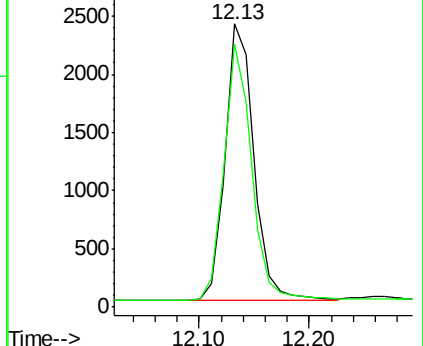
142 100

141 89.4 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: 0.02 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM003847.D

Acq: 29 Dec 2015 02:55

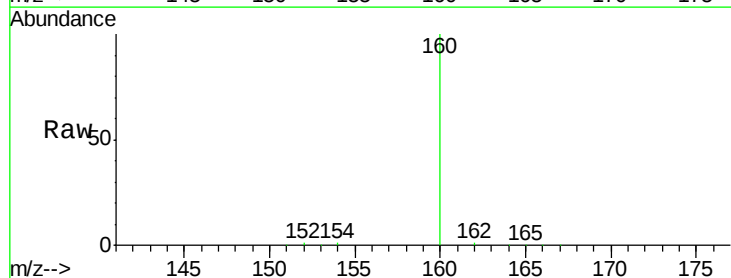
Tgt Ion:152 Resp: 934

Ion Ratio Lower Upper

152 100

151 28.6 17.6 26.4#

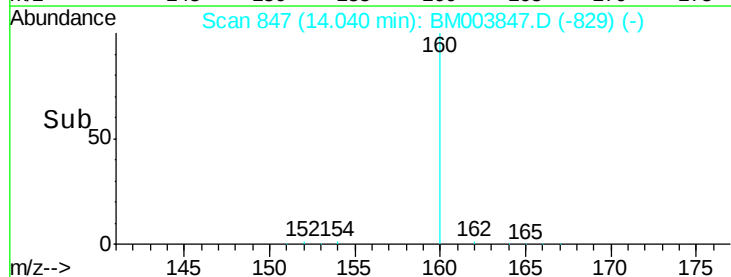
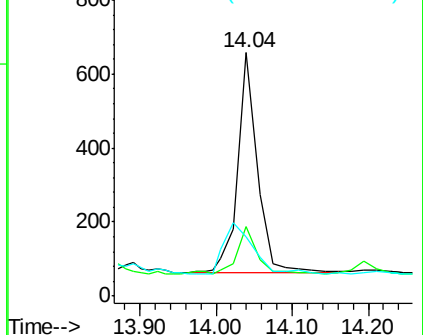
153 24.3 9.7 14.5#

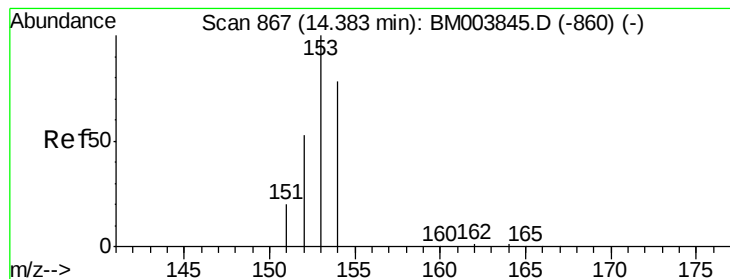


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.22 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM003847.D

Acq: 29 Dec 2015 02:55

Instrument :

BNA_M

ClientSampleId :

D9N58

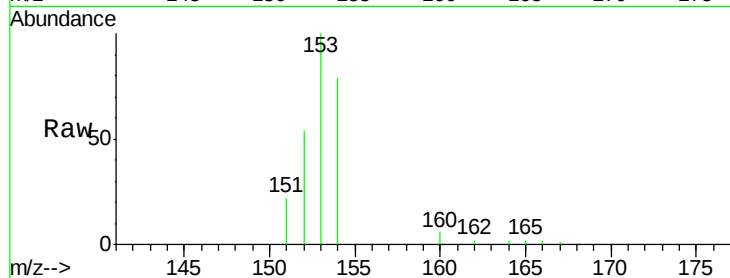
Tgt Ion:153 Resp: 7139

Ion Ratio Lower Upper

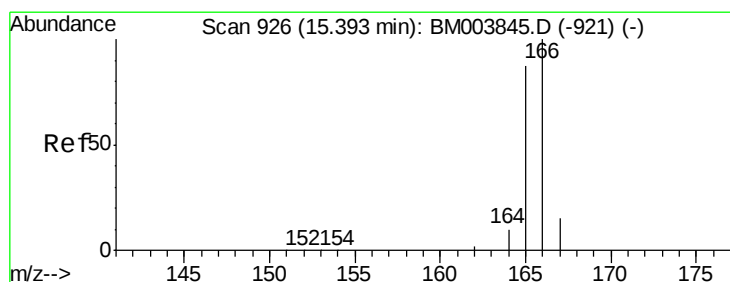
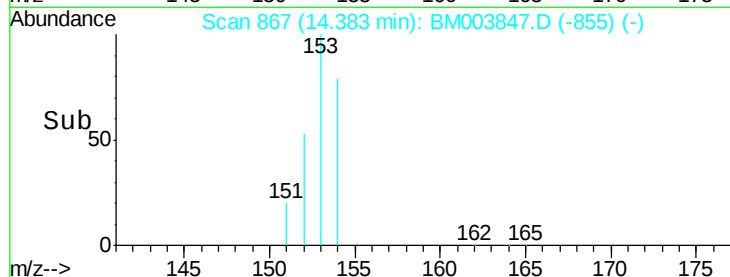
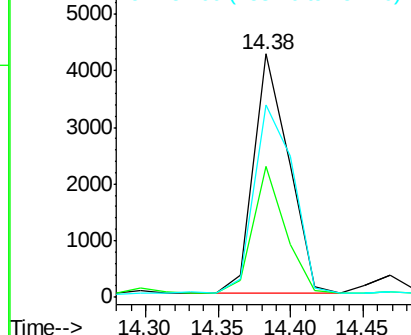
153 100

152 53.9 33.9 50.9#

154 79.2 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: 0.37 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. 0.00 min

Lab File: BM003847.D

Acq: 29 Dec 2015 02:55

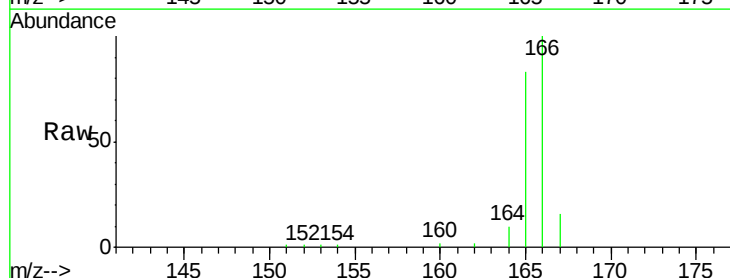
Tgt Ion:166 Resp: 13633

Ion Ratio Lower Upper

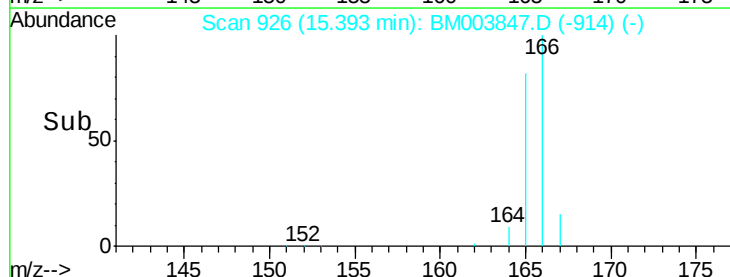
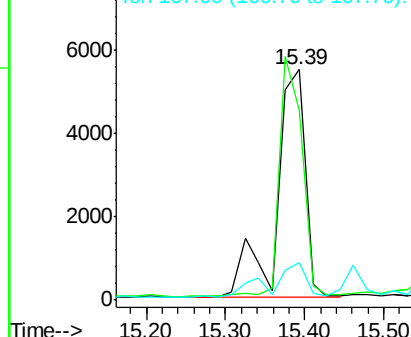
166 100

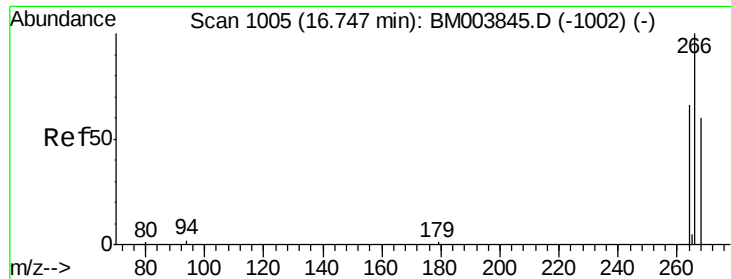
165 82.7 69.6 104.4

167 16.3 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

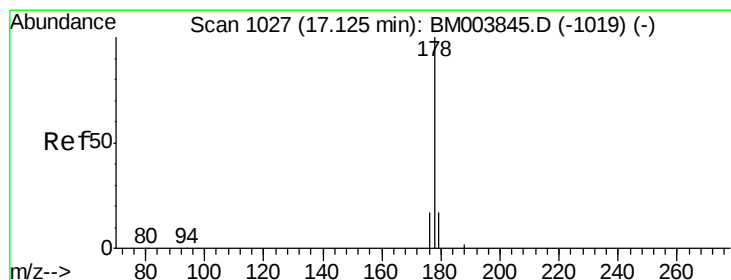
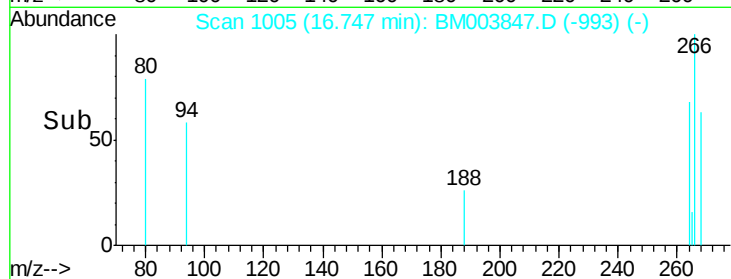
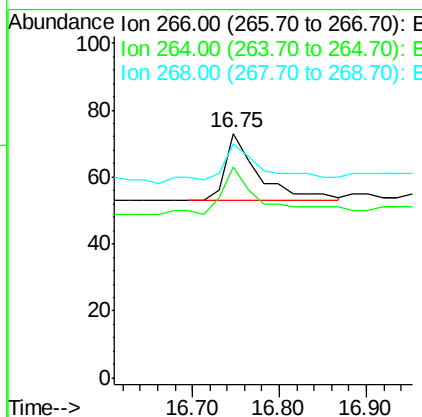
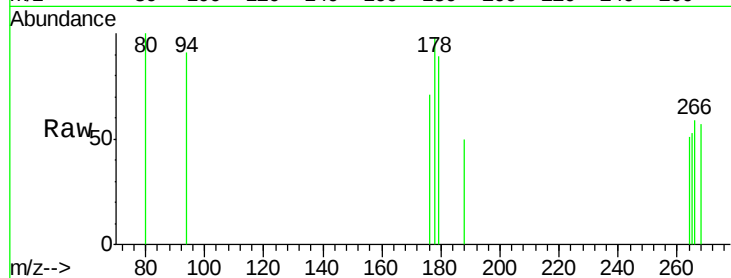




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.75 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: BM003847.D
 Acq: 29 Dec 2015 02:55

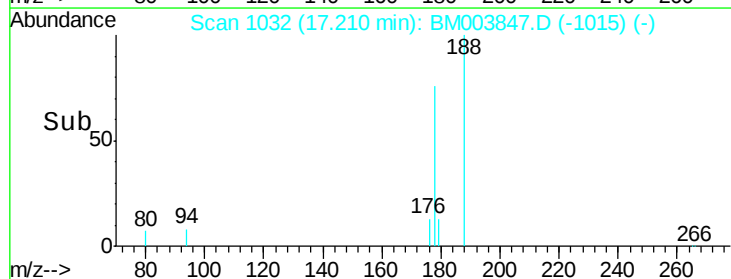
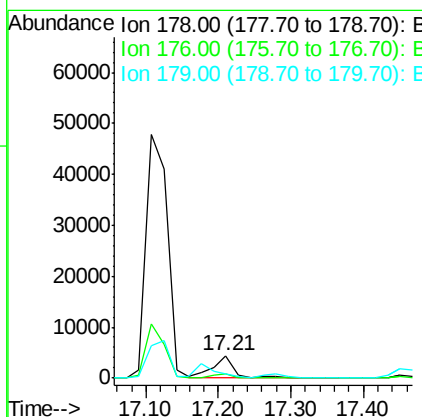
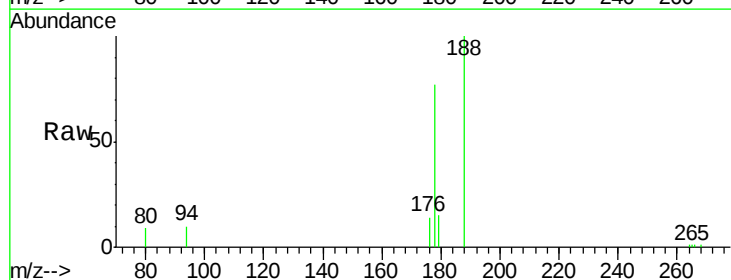
Instrument :
 BNA_M
 ClientSampleId :
 D9N58

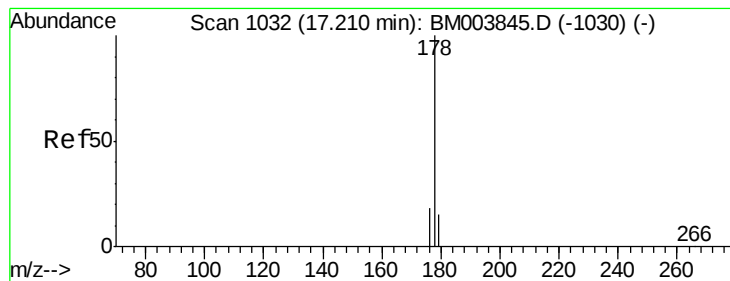
Tgt Ion: 266 Resp: 54
 Ion Ratio Lower Upper
 266 100
 264 57.4 51.8 77.8
 268 40.7 46.8 70.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.21 min Scan# 1032
 Delta R.T. 0.09 min
 Lab File: BM003847.D
 Acq: 29 Dec 2015 02:55

Tgt Ion: 178 Resp: 8487
 Ion Ratio Lower Upper
 178 100
 176 18.4 13.0 19.4
 179 19.5 14.2 21.2





#15

Anthracene

Concen: 0.00 ng/u1

RT: 17.21 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BM003847.D

Acq: 29 Dec 2015 02:55

Instrument :

BNA_M

ClientSampleId :

D9N58

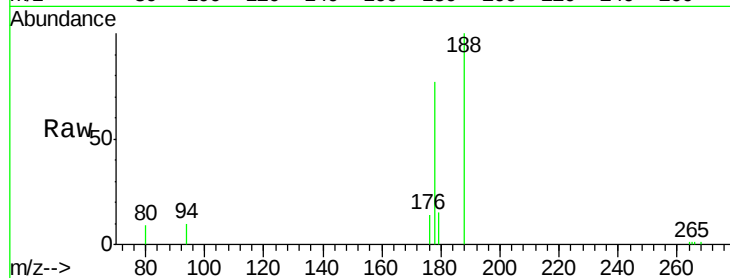
Tgt Ion:178 Resp: 8504

Ion Ratio Lower Upper

178 100

176 18.4 14.0 21.0

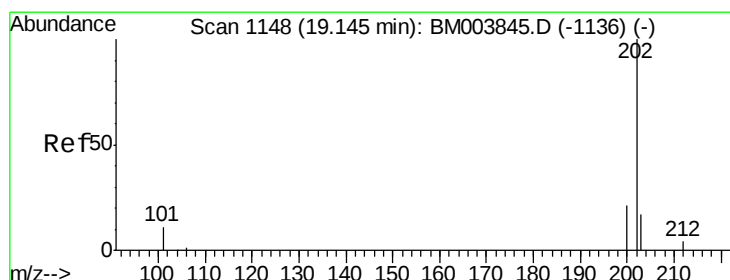
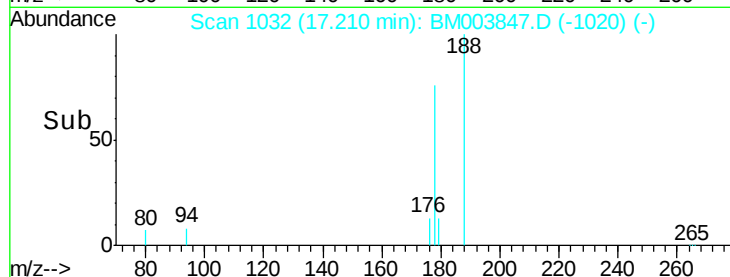
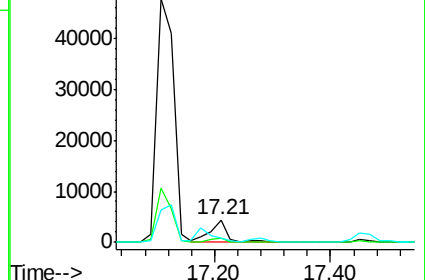
179 19.5 12.9 19.3#



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: 0.02 ng/u1

RT: 19.14 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BM003847.D

Acq: 29 Dec 2015 02:55

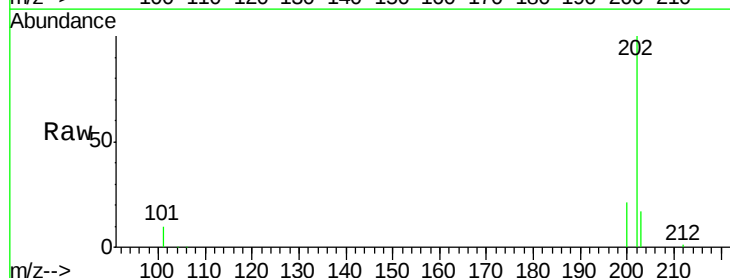
Tgt Ion:202 Resp: 58255

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.6

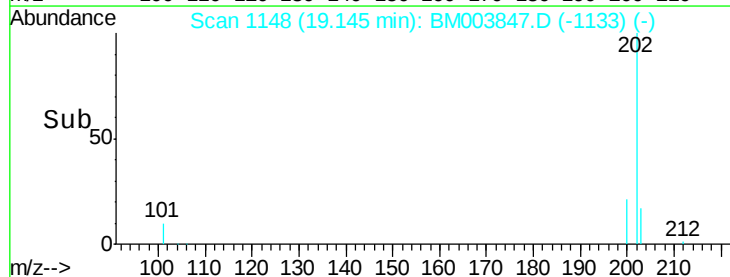
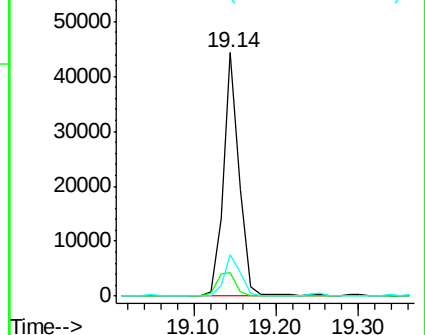
203 16.9 0.0 36.3

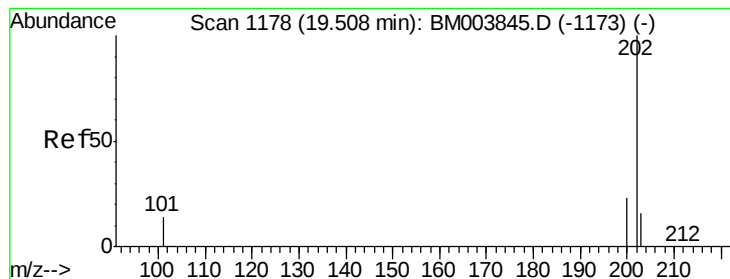


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.77 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BM003847.D

Acq: 29 Dec 2015 02:55

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D9N58

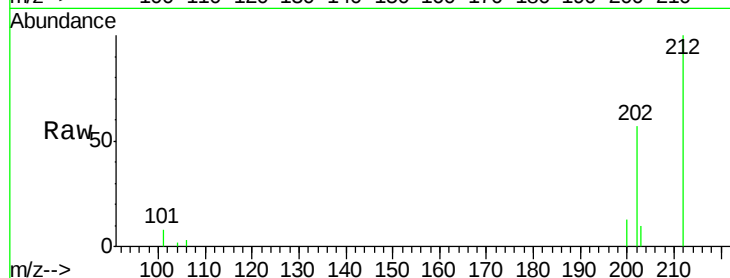
Tgt Ion:202 Resp: 43424

Ion Ratio Lower Upper

202 100

200 22.5 17.8 26.8

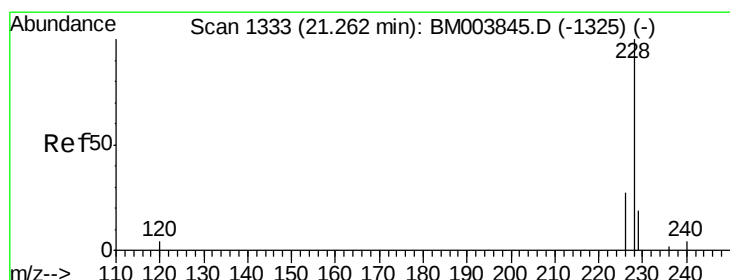
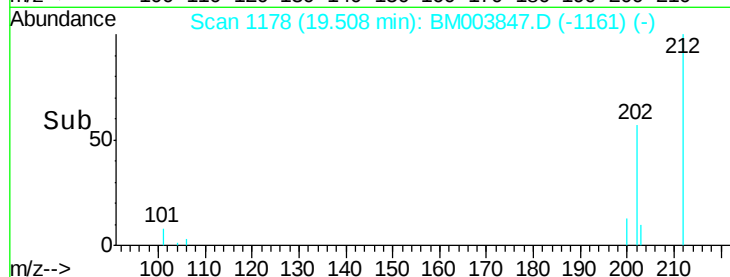
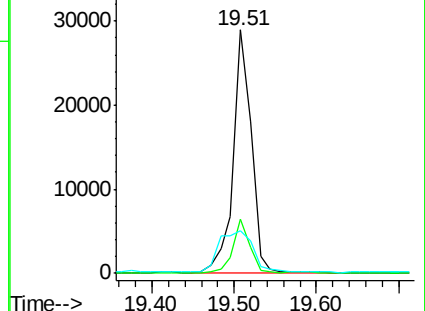
203 17.7 12.8 19.2



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: 0.14 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM003847.D

Acq: 29 Dec 2015 02:55

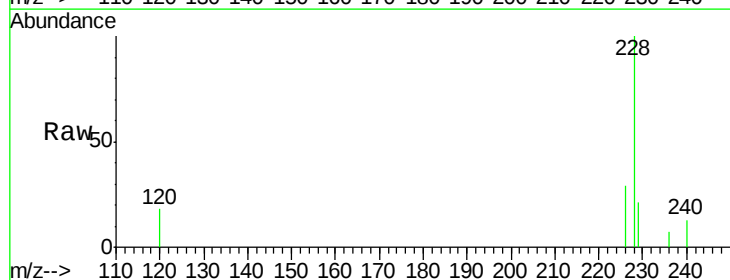
Tgt Ion:228 Resp: 7367

Ion Ratio Lower Upper

228 100

226 29.0 18.8 28.2#

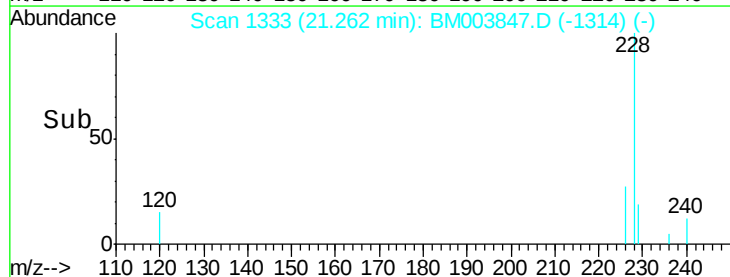
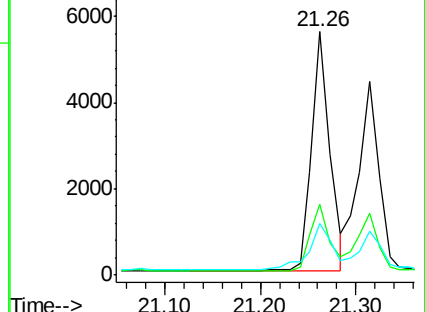
229 21.3 17.1 25.7

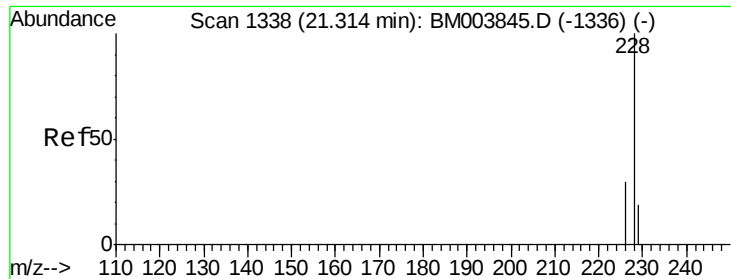


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.11 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BM003847.D

Acq: 29 Dec 2015 02:55

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BNA_M

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D9N58

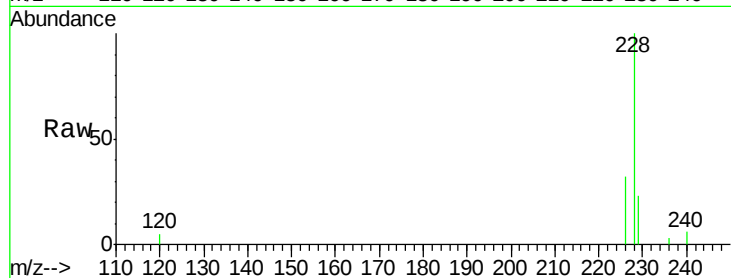
Tgt Ion:228 Resp: 6527

Ion Ratio Lower Upper

228 100

226 31.7 21.2 31.8

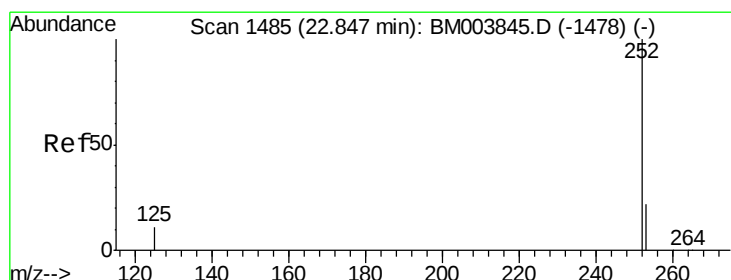
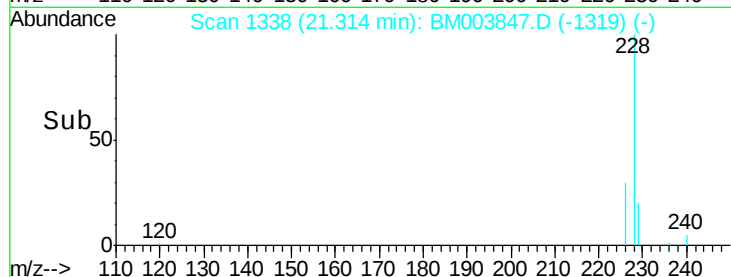
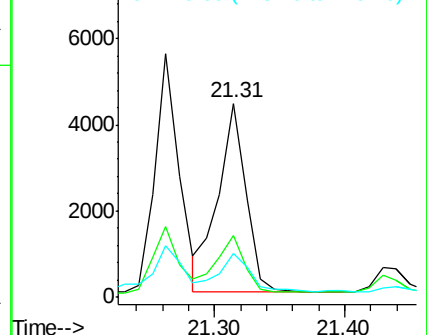
229 22.8 17.0 25.6



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/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM003847.D

Acq: 29 Dec 2015 02:55

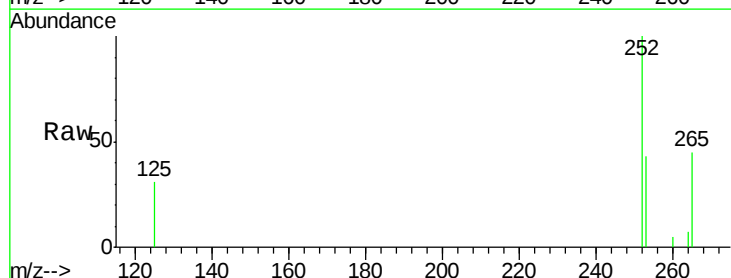
Tgt Ion:252 Resp: 2719

Ion Ratio Lower Upper

252 100

253 43.0 0.0 45.4

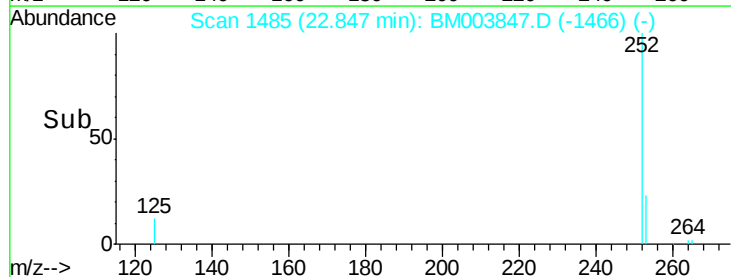
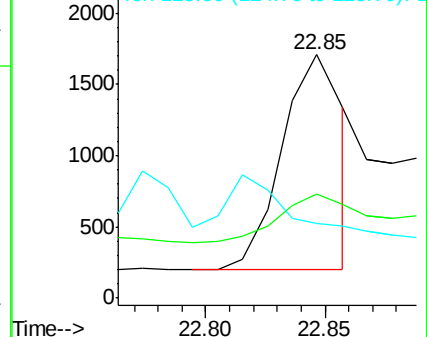
125 30.5 0.0 28.8#

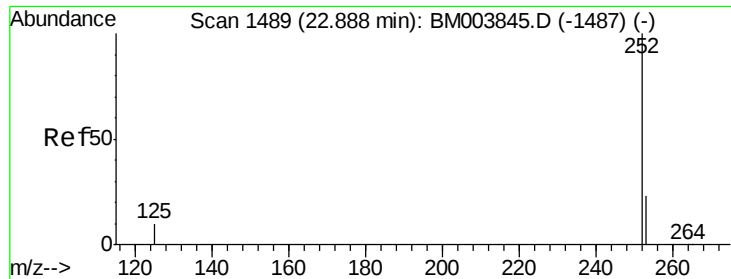


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.85 min Scan# 1485

Delta R.T. -0.04 min

Lab File: BM003847.D

Acq: 29 Dec 2015 02:55

Instrument :

BNA_M

ClientSampleId :

D9N58

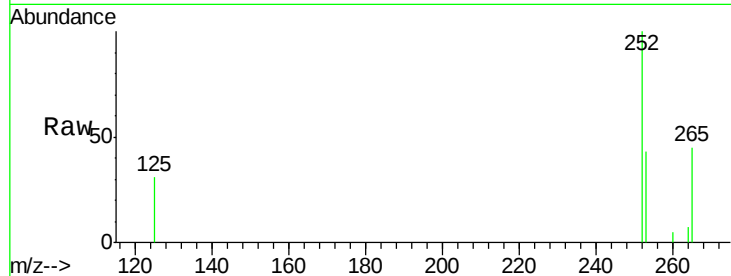
Tgt Ion:252 Resp: 4428

Ion Ratio Lower Upper

252 100

253 43.0 19.8 29.8#

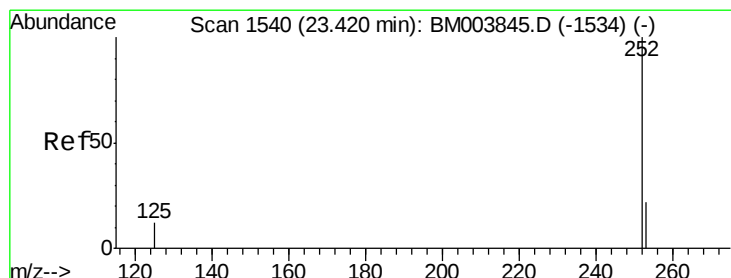
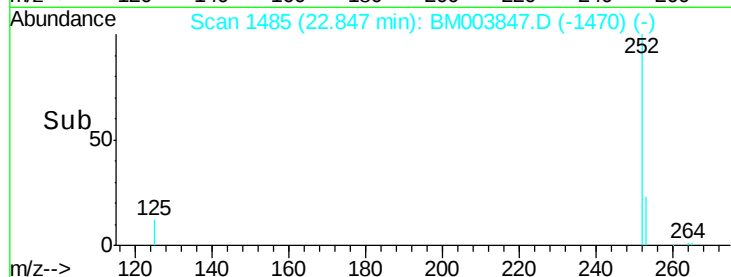
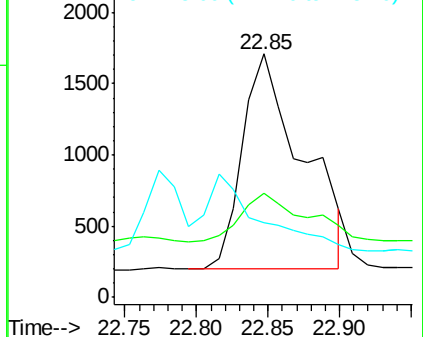
125 30.5 10.4 15.6#



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: 0.00 ng/u1

RT: 23.32 min Scan# 1530

Delta R.T. -0.10 min

Lab File: BM003847.D

Acq: 29 Dec 2015 02:55

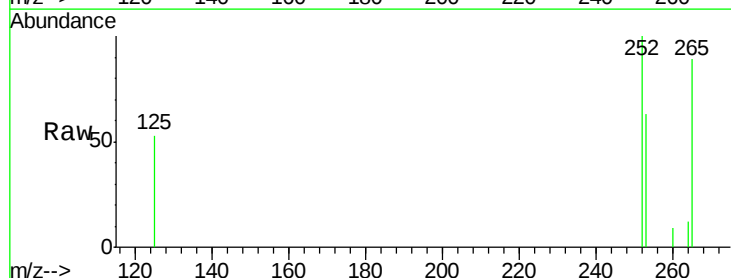
Tgt Ion:252 Resp: 1236

Ion Ratio Lower Upper

252 100

253 63.2 19.4 29.2#

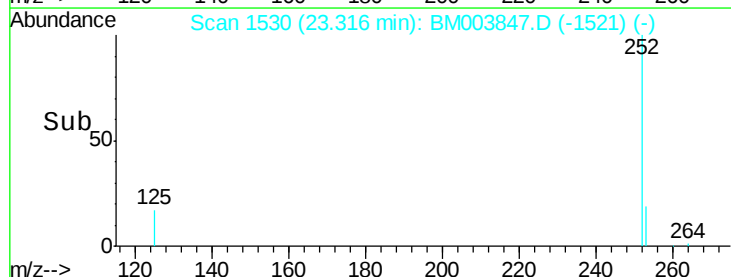
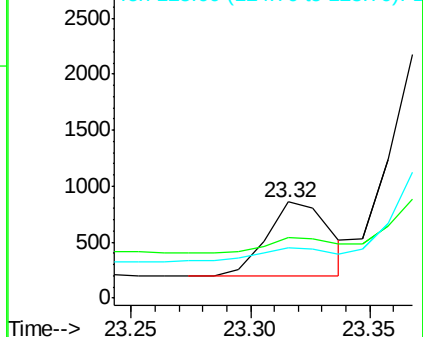
125 52.5 12.7 19.1#

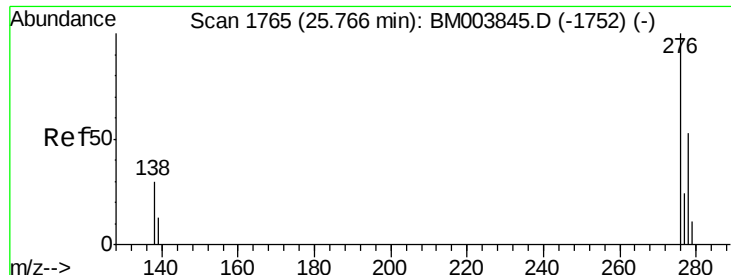


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.00 ng/ul

RT: 25.54 min Scan# 1743

Delta R.T. -0.23 min

Lab File: BM003847.D

Acq: 29 Dec 2015 02:55

Instrument :

BNA_M

ClientSampleId :

D9N58

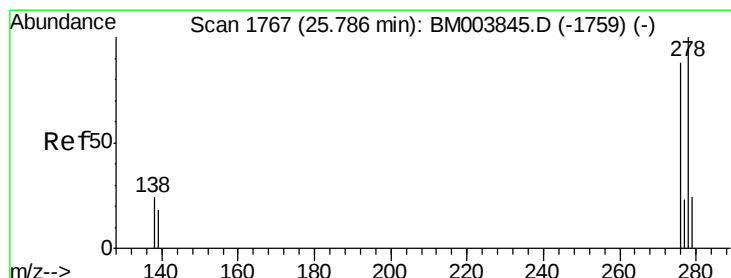
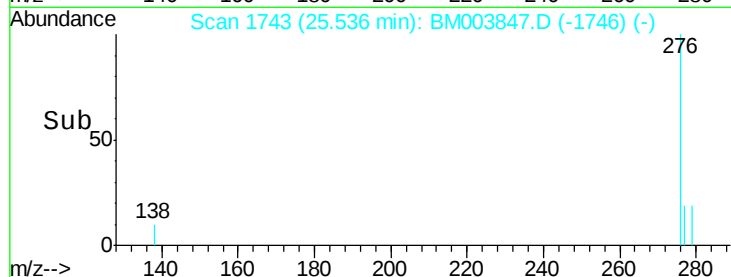
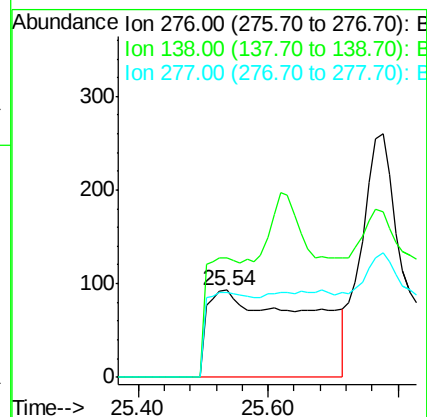
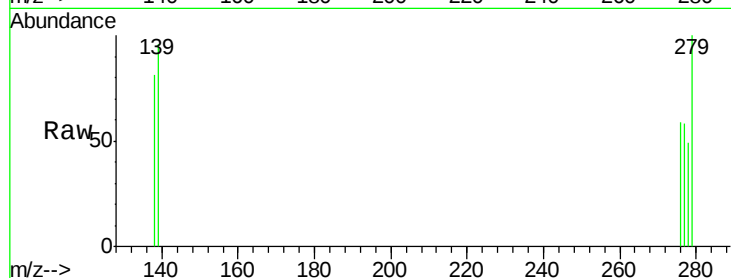
Tgt Ion:276 Resp: 991

Ion Ratio Lower Upper

276 100

138 63.0 16.3 24.5#

277 0.0 19.8 29.8#



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.64 min Scan# 1753

Delta R.T. -0.15 min

Lab File: BM003847.D

Acq: 29 Dec 2015 02:55

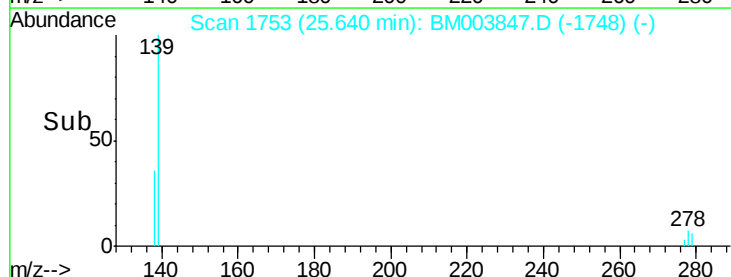
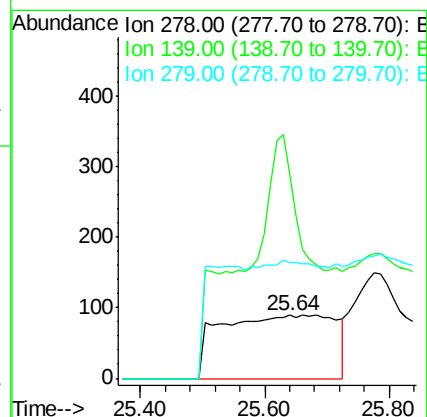
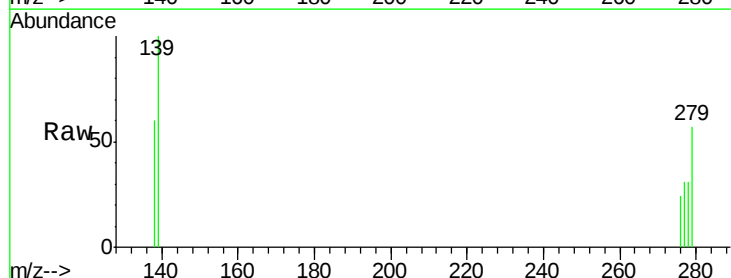
Tgt Ion:278 Resp: 1143

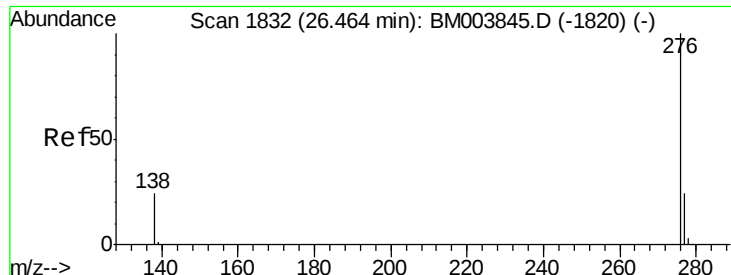
Ion Ratio Lower Upper

278 100

139 325.8 16.4 24.6#

279 184.3 20.2 30.2#





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.31 min Scan# 1817

Delta R.T. -0.16 min

Lab File: BM003847.D

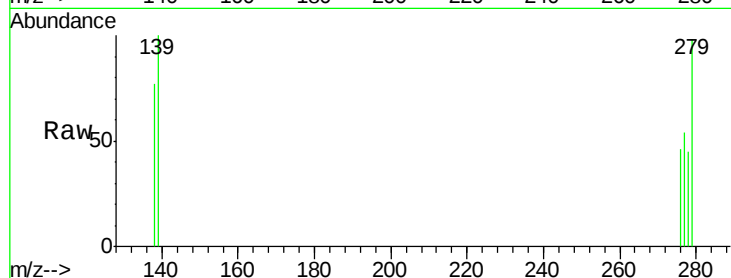
Acq: 29 Dec 2015 02:55

Instrument :

BNA_M

ClientSampleId :

D9N58



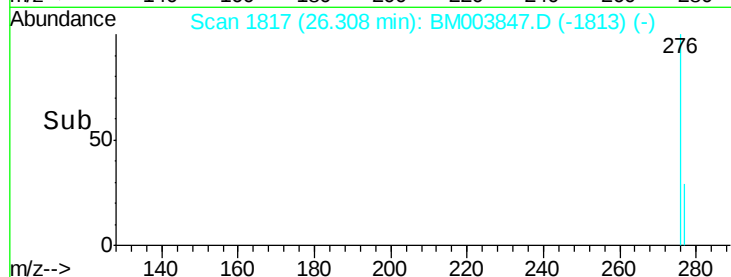
Tgt Ion: 276 Resp: 21

Ion Ratio Lower Upper

276 100

277 117.6 18.9 28.3#

138 166.2 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

