

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003846.D
 Acq On : 29 Dec 2015 02:20
 Operator : SJ/UM
 Sample : G4848-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N57

Quant Time: Dec 29 08:21:28 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	4266	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	18595	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.33	164	11261	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.18	188	1554409	0.40	ng/ul	0.10
18) Chrysene-d12	21.28	240	21824	0.40	ng/ul	0.00
22) Perylene-d12	23.38	264	1224991	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	19432	10.66	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.06	152	8008	0.36	ng/ul	-0.01
16) Fluoranthene-d10	19.12	212	22095	0.01	ng/ul	0.00

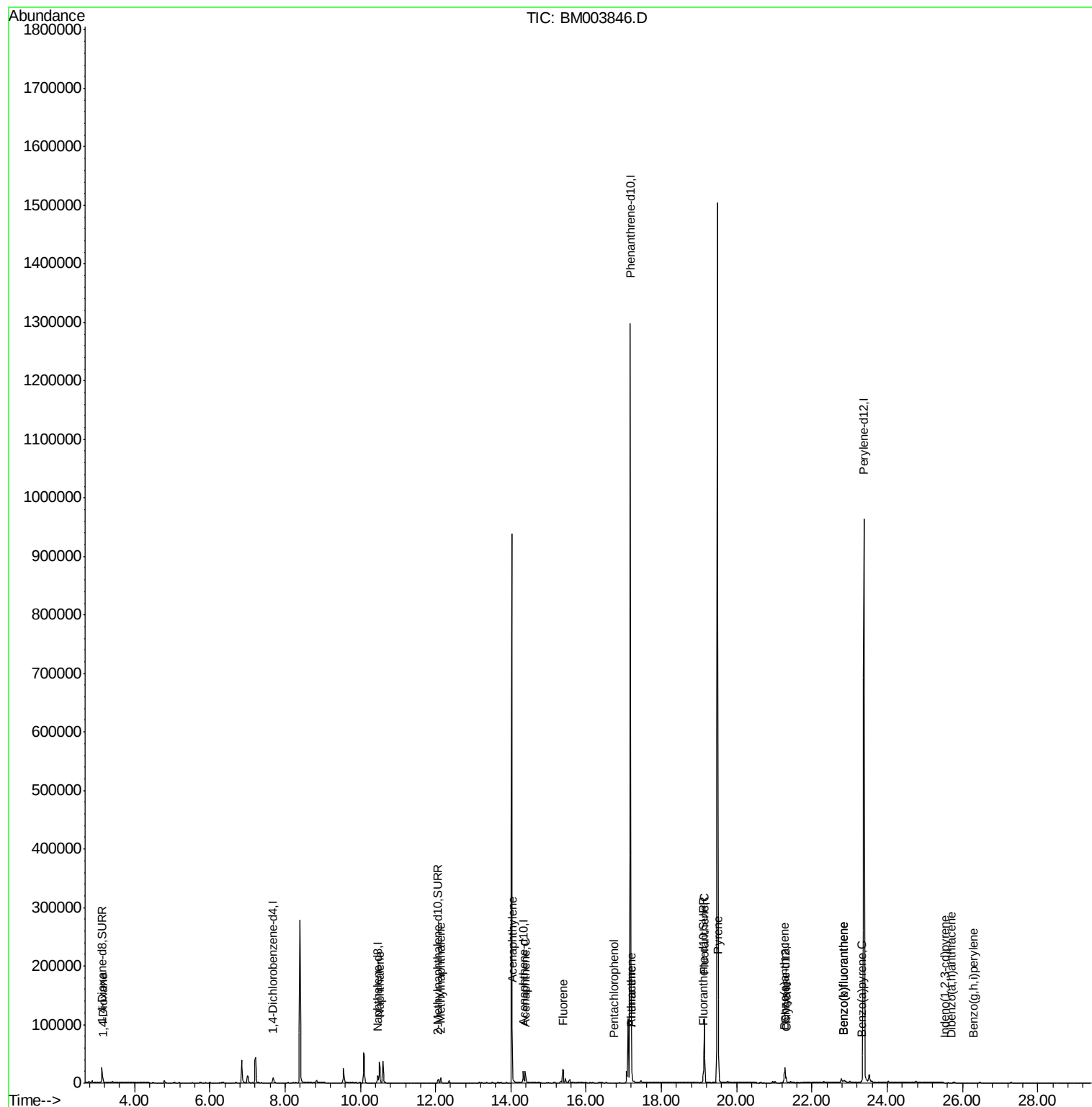
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.17	88	266	0.11	ng/ul#	1
5) Naphthalene	10.51	128	49321	1.18	ng/ul	98
7) 2-Methylnaphthalene	12.13	142	6930	0.25	ng/ul	99
9) Acenaphthylene	14.04	152	1097	0.03	ng/ul#	82
10) Acenaphthene	14.38	153	12599	0.36	ng/ul#	81
11) Fluorene	15.39	166	23634	0.61	ng/ul	96
13) Pentachlorophenol	16.75	266	33	0.00	ng/ul#	70
14) Phenanthrene	17.21	178	15361	0.00	ng/ul	98
15) Anthracene	17.21	178	15349	0.00	ng/ul	98
17) Fluoranthene	19.14	202	97269	0.02	ng/ul	99
19) Pyrene	19.51	202	70403	1.19	ng/ul	99
20) Benzo(a)anthracene	21.26	228	11822	0.22	ng/ul#	95
21) Chrysene	21.31	228	10461	0.17	ng/ul	94
23) Benzo(b)fluoranthene	22.85	252	4414	0.00	ng/ul	72
24) Benzo(k)fluoranthene	22.85	252	7161	0.00	ng/ul#	73
25) Benzo(a)pyrene	23.33	252	2265	0.00	ng/ul#	41
26) Indeno(1,2,3-cd)pyrene	25.53	276	1021	0.00	ng/ul#	58
27) Dibenzo(a,h)anthracene	25.69	278	1105	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.30	276	24	0.00	ng/ul#	1

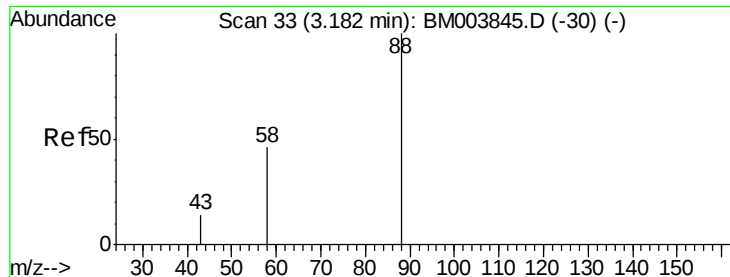
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.11 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. -0.02 min

Lab File: BM003846.D

Acq: 29 Dec 2015 02:20

Instrument :

BNA_G

ClientSampleId :

D9N57

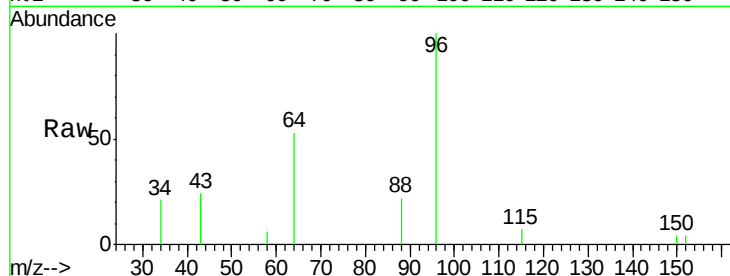
Tgt Ion: 88 Resp: 266

Ion Ratio Lower Upper

88 100

58 0.0 8.0 12.0#

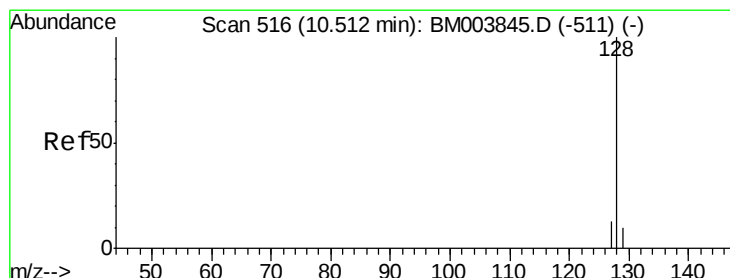
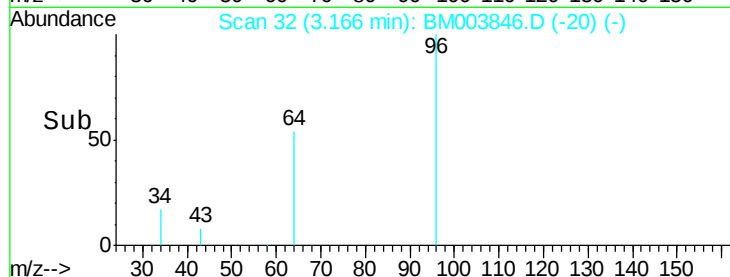
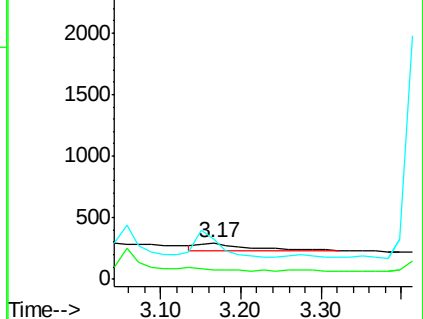
43 167.3 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM003845.D (-30) (-)

Ion 58.00 (57.70 to 58.70): BM003845.D (-30) (-)

Ion 43.00 (42.70 to 43.70): BM003845.D (-30) (-)



#5

Naphthalene

Concen: 1.18 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. 0.00 min

Lab File: BM003846.D

Acq: 29 Dec 2015 02:20

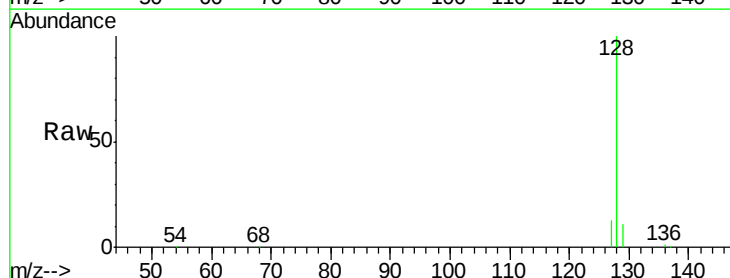
Tgt Ion: 128 Resp: 49321

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

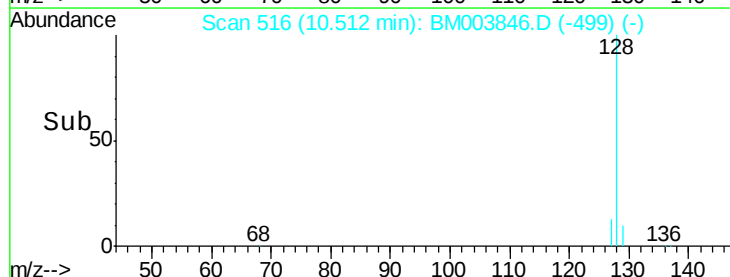
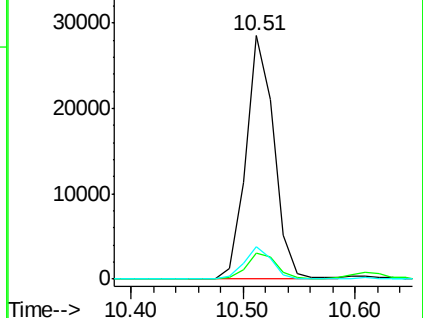
127 13.2 9.6 14.4

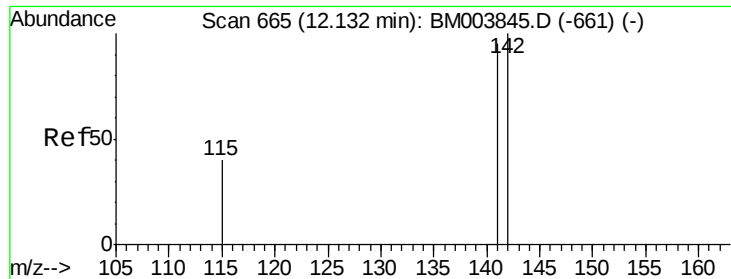


Abundance Ion 128.00 (127.70 to 128.70): BM003845.D (-511) (-)

Ion 129.00 (128.70 to 129.70): BM003845.D (-511) (-)

Ion 127.00 (126.70 to 127.70): BM003845.D (-511) (-)





#7

2-Methylnaphthalene

Concen: 0.25 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. 0.00 min

Lab File: BM003846.D

Acq: 29 Dec 2015 02:20

Instrument :

BNA_G

ClientSampleId :

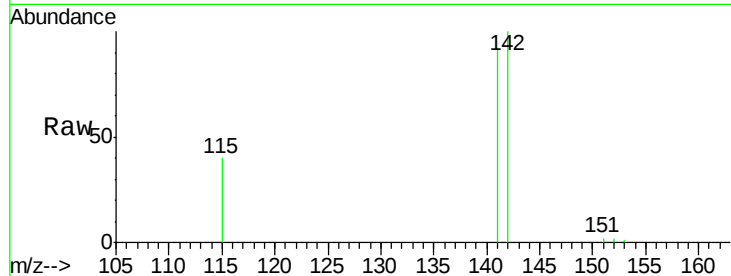
D9N57

Tgt Ion:142 Resp: 6930

Ion Ratio Lower Upper

142 100

141 89.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.13

4000

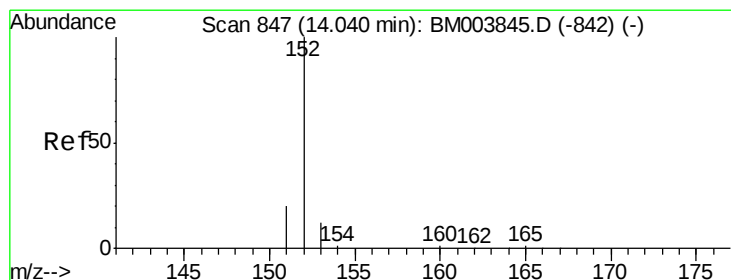
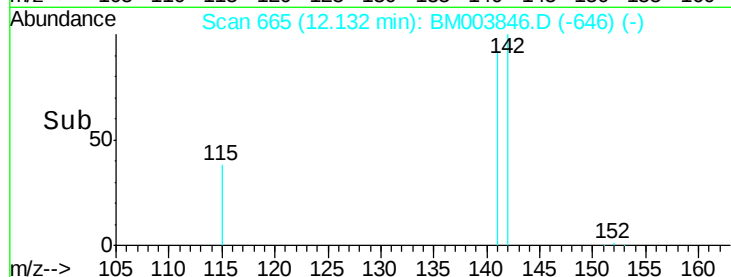
3000

2000

1000

0

Time--> 12.10 12.20



#9

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM003846.D

Acq: 29 Dec 2015 02:20

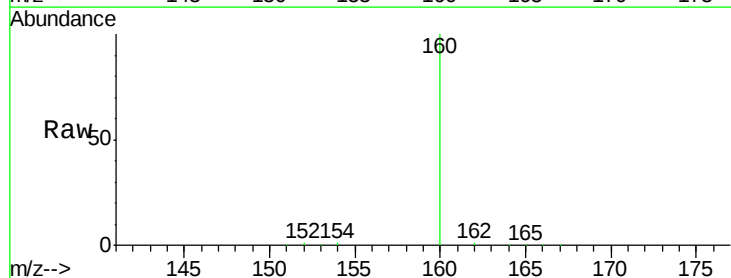
Tgt Ion:152 Resp: 1097

Ion Ratio Lower Upper

152 100

151 27.3 17.6 26.4#

153 23.5 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

14.04

1000

800

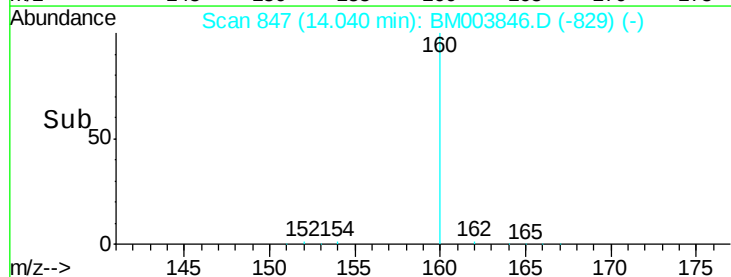
600

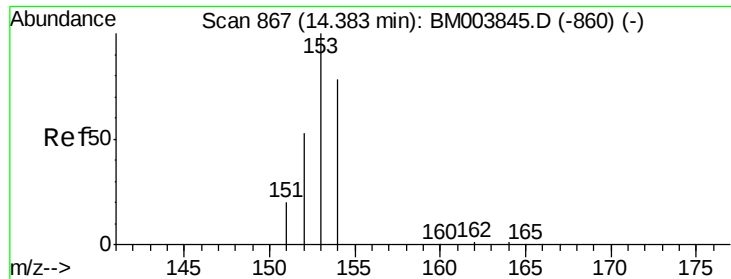
400

200

0

Time--> 13.90 14.00 14.10 14.20





#10

Acenaphthene

Concen: 0.36 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM003846.D

Acq: 29 Dec 2015 02:20

Instrument :

BNA_G

ClientSampleId :

D9N57

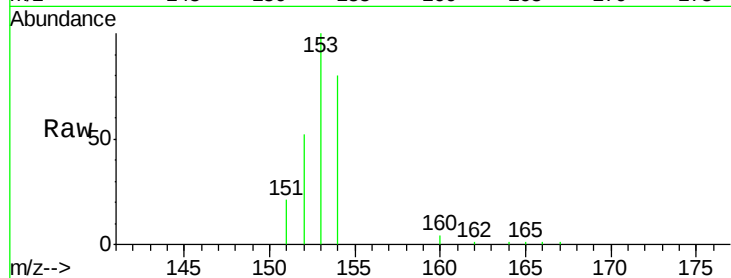
Tgt Ion:153 Resp: 12599

Ion Ratio Lower Upper

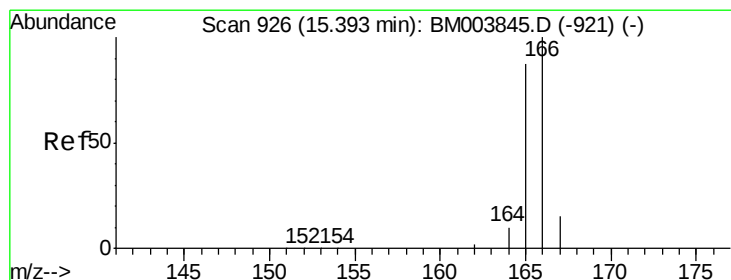
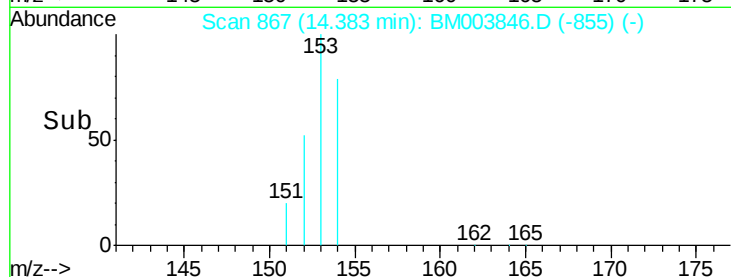
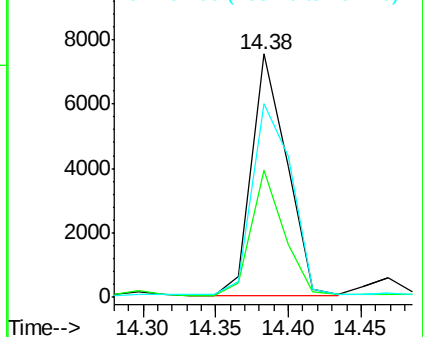
153 100

152 52.5 33.9 50.9#

154 79.7 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: 0.61 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. 0.00 min

Lab File: BM003846.D

Acq: 29 Dec 2015 02:20

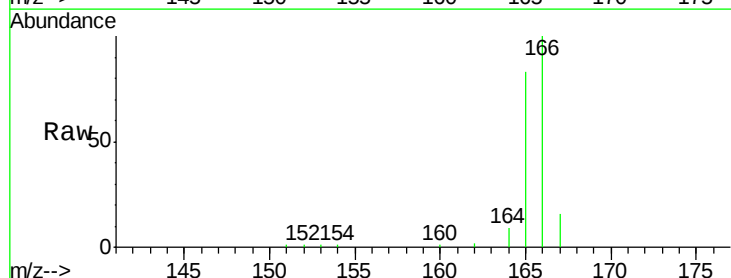
Tgt Ion:166 Resp: 23634

Ion Ratio Lower Upper

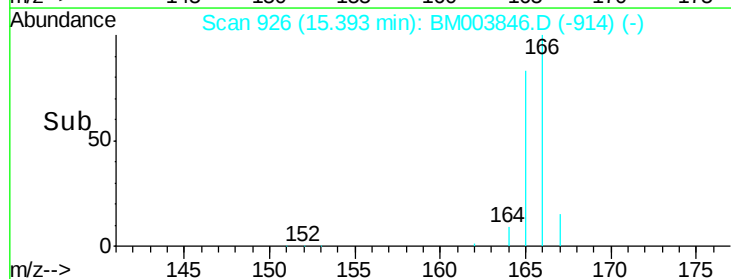
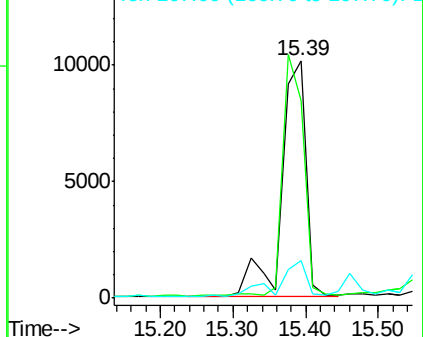
166 100

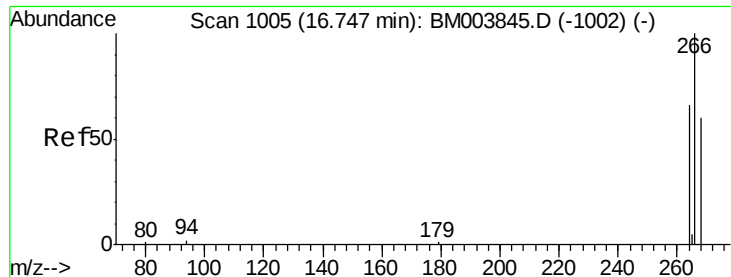
165 82.9 69.6 104.4

167 15.7 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

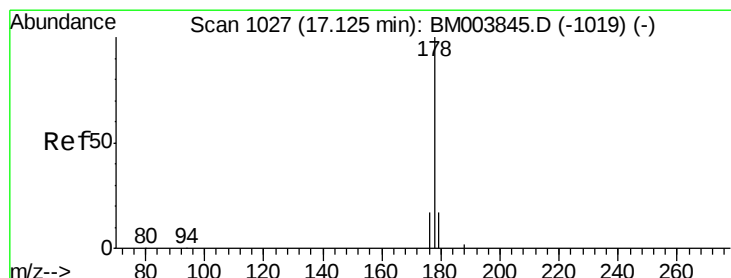
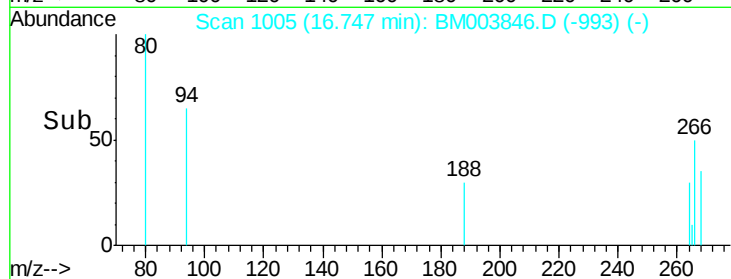
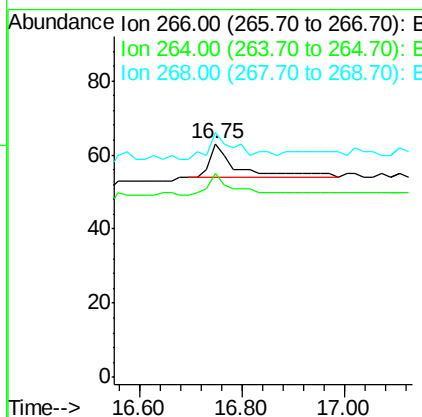
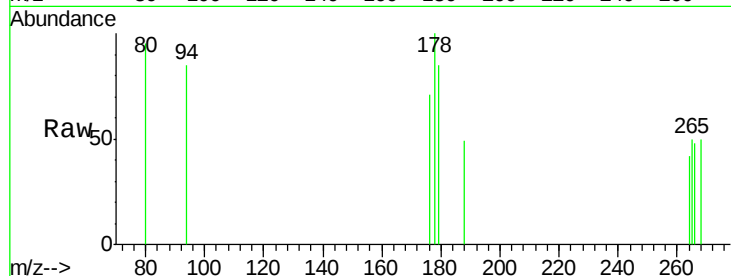




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.75 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: BM003846.D
 Acq: 29 Dec 2015 02:20

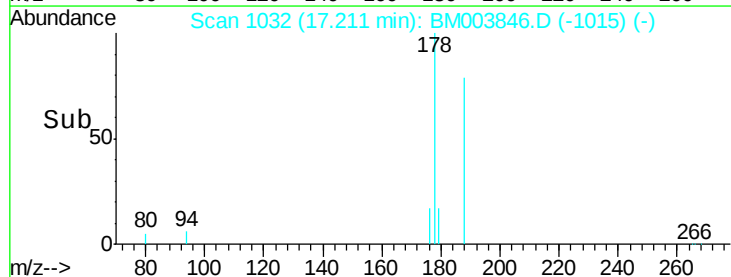
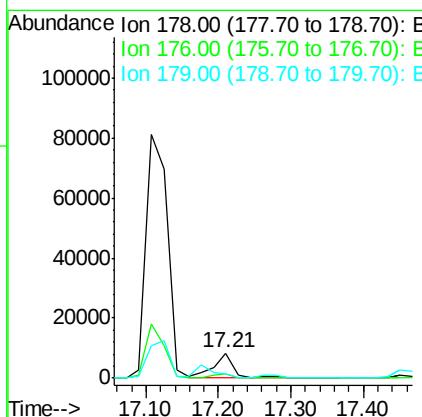
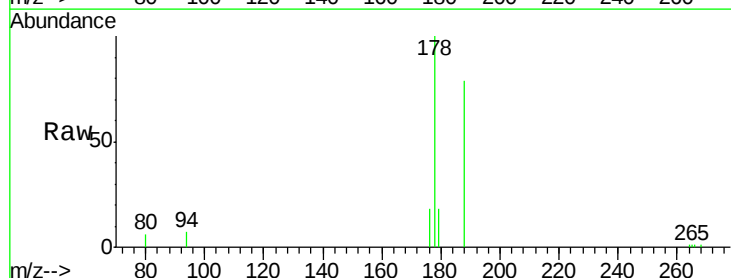
Instrument :
 BNA_G
 ClientSampleId :
 D9N57

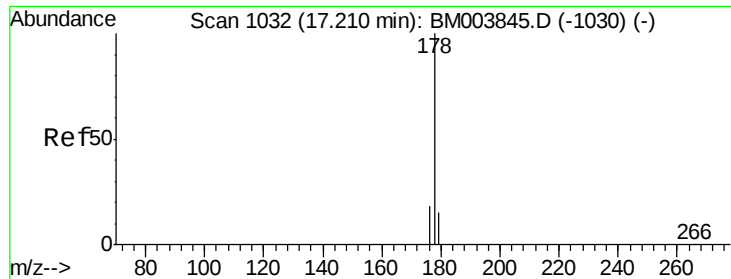
Tgt Ion: 266 Resp: 33
 Ion Ratio Lower Upper
 266 100
 264 84.8 51.8 77.8#
 268 84.8 46.8 70.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.21 min Scan# 1032
 Delta R.T. 0.09 min
 Lab File: BM003846.D
 Acq: 29 Dec 2015 02:20

Tgt Ion: 178 Resp: 15361
 Ion Ratio Lower Upper
 178 100
 176 17.6 13.0 19.4
 179 18.0 14.2 21.2





#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BM003846.D

Acq: 29 Dec 2015 02:20

Instrument :

BNA_G

ClientSampleId :

D9N57

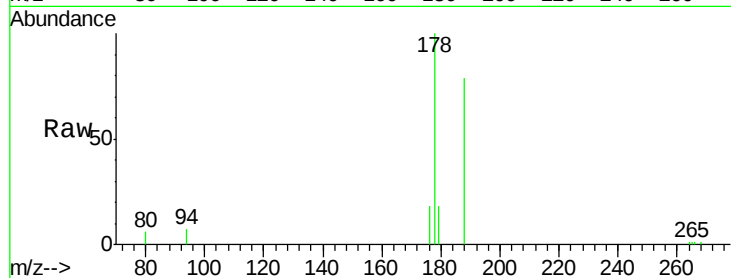
Tgt Ion:178 Resp: 15349

Ion Ratio Lower Upper

178 100

176 17.6 14.0 21.0

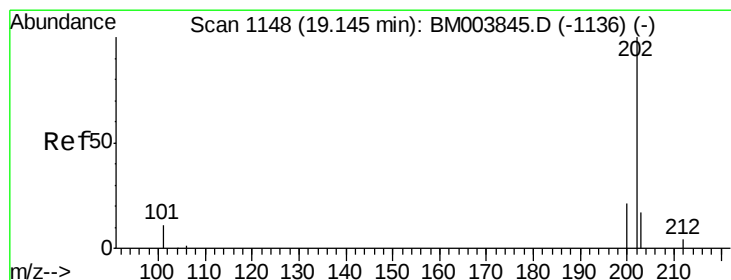
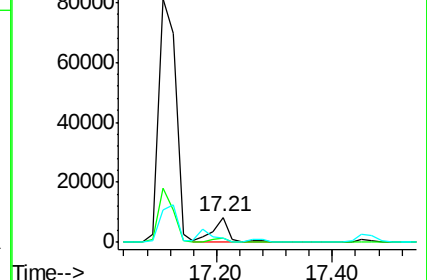
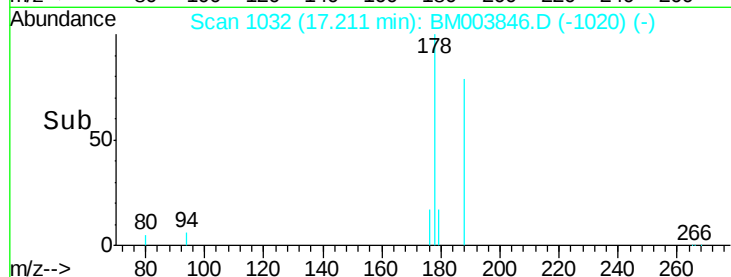
179 18.0 12.9 19.3



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/ul

RT: 19.14 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BM003846.D

Acq: 29 Dec 2015 02:20

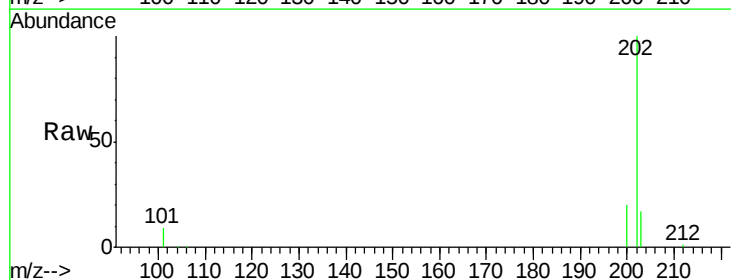
Tgt Ion:202 Resp: 97269

Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.6

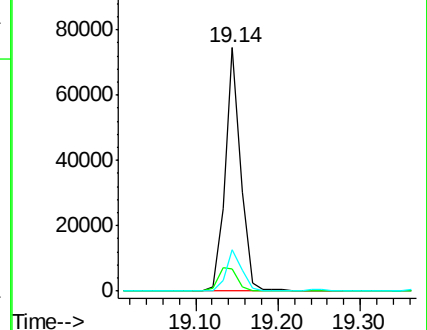
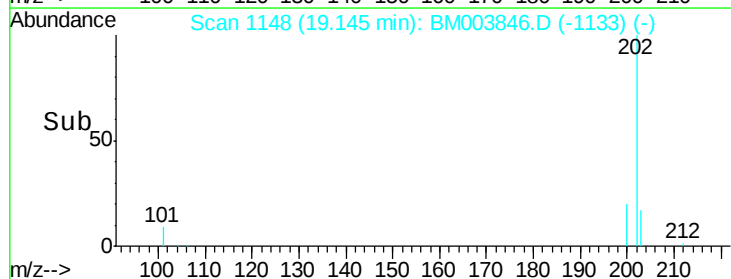
203 17.0 0.0 36.3

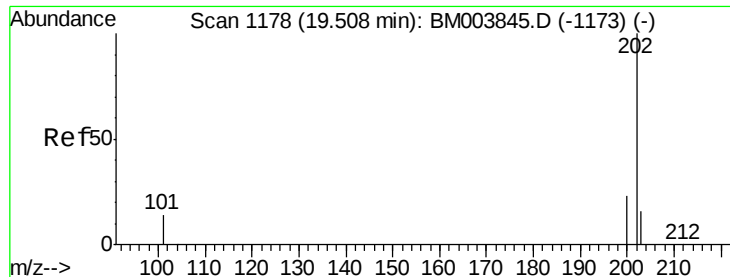


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 1.19 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BM003846.D

Acq: 29 Dec 2015 02:20

Instrument :

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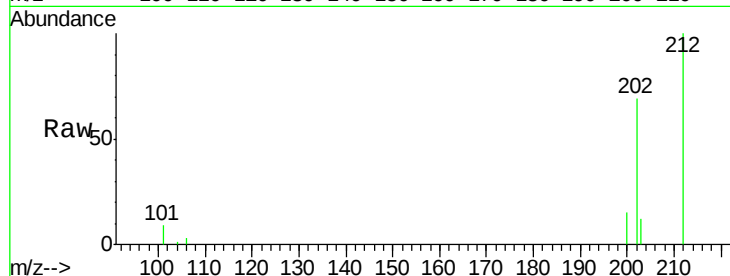
Tgt Ion:202 Resp: 70403

Ion Ratio Lower Upper

202 100

200 22.4 17.8 26.8

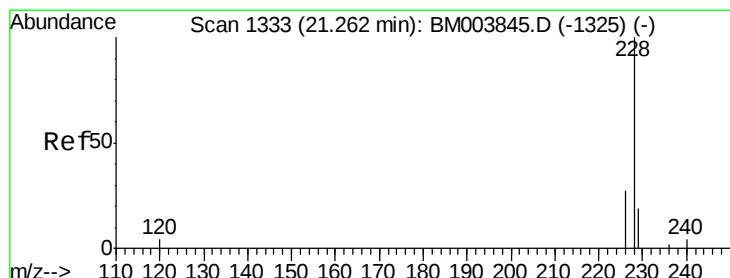
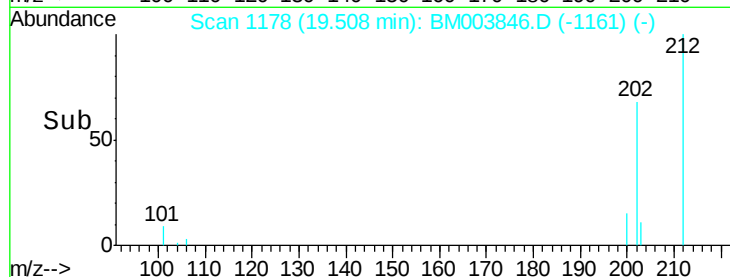
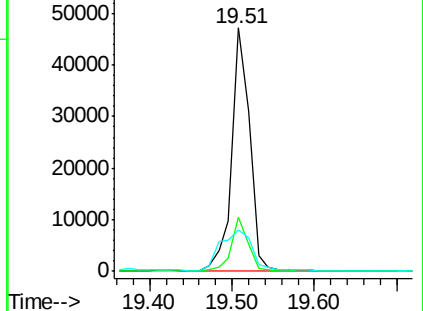
203 17.1 12.8 19.2



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: 0.22 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BM003846.D

Acq: 29 Dec 2015 02:20

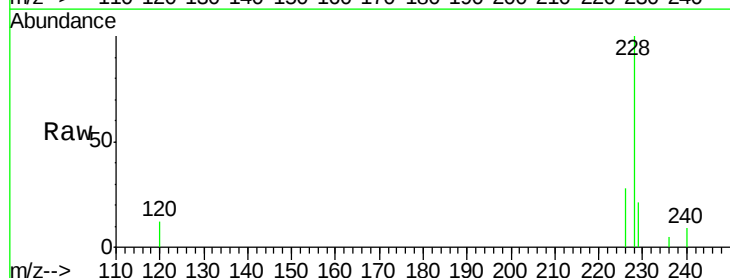
Tgt Ion:228 Resp: 11822

Ion Ratio Lower Upper

228 100

226 28.4 18.8 28.2#

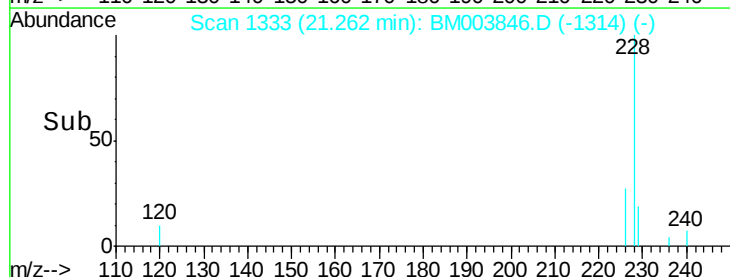
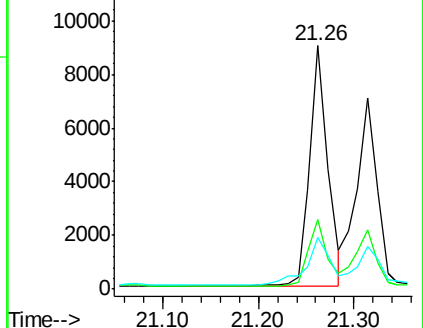
229 21.2 17.1 25.7

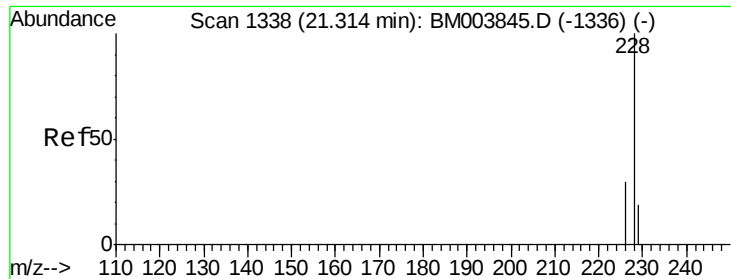


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.17 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BM003846.D

Acq: 29 Dec 2015 02:20

Instrument :

BNA_G

ClientSampleId :

D9N57

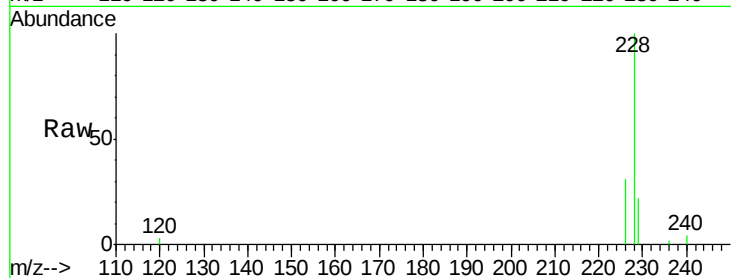
Tgt Ion:228 Resp: 10461

Ion Ratio Lower Upper

228 100

226 31.1 21.2 31.8

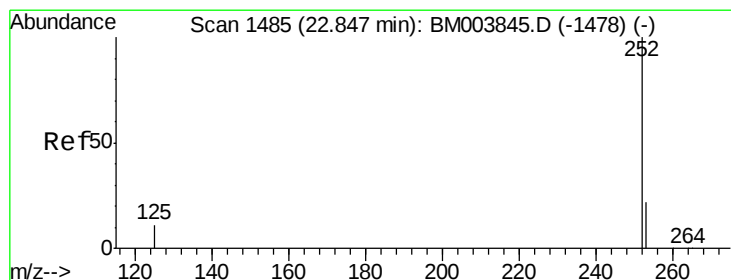
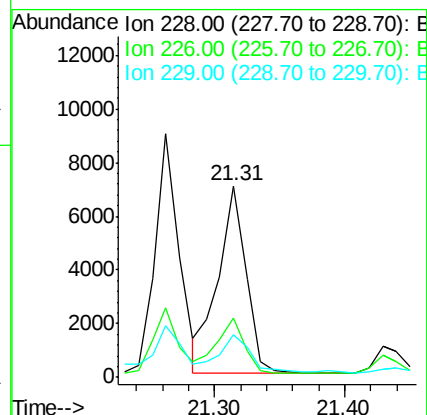
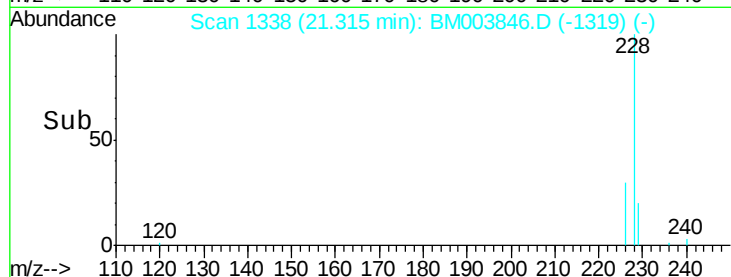
229 22.3 17.0 25.6



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/ul

RT: 22.85 min Scan# 1485

Delta R.T. 0.00 min

Lab File: BM003846.D

Acq: 29 Dec 2015 02:20

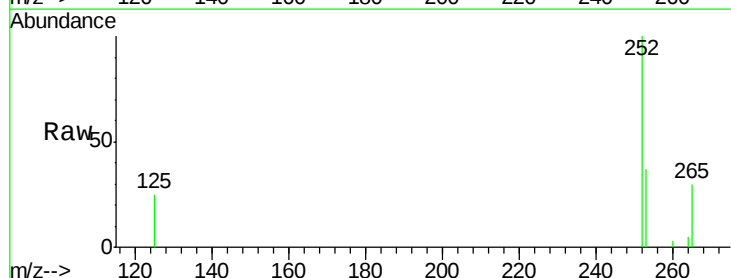
Tgt Ion:252 Resp: 4414

Ion Ratio Lower Upper

252 100

253 36.8 0.0 45.4

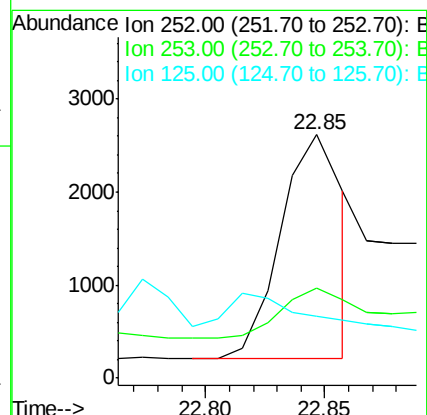
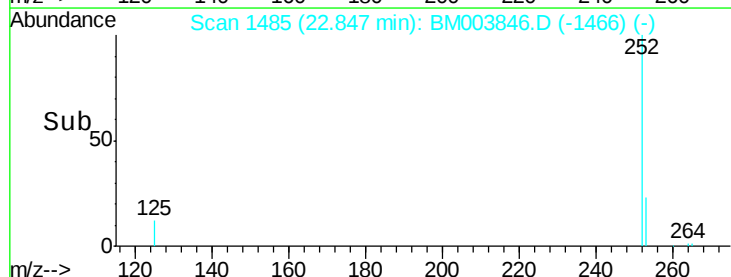
125 25.5 0.0 28.8

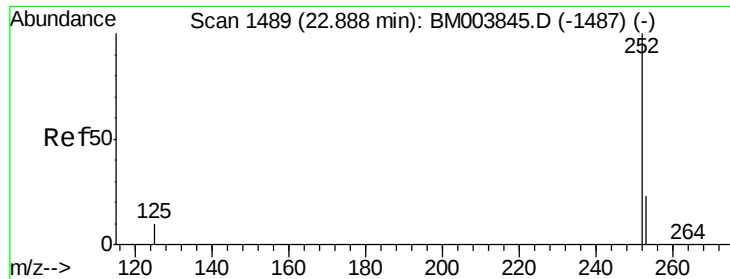


Abundance Ion 252.00 (251.70 to 252.70): E

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/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.04 min

Lab File: BM003846.D

Acq: 29 Dec 2015 02:20

Instrument :

BNA_G

ClientSampleId :

D9N57

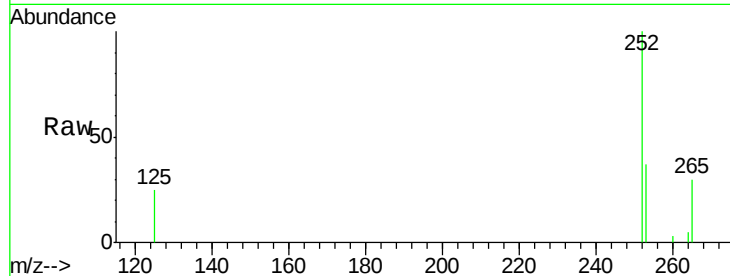
Tgt Ion:252 Resp: 7161

Ion Ratio Lower Upper

252 100

253 36.8 19.8 29.8#

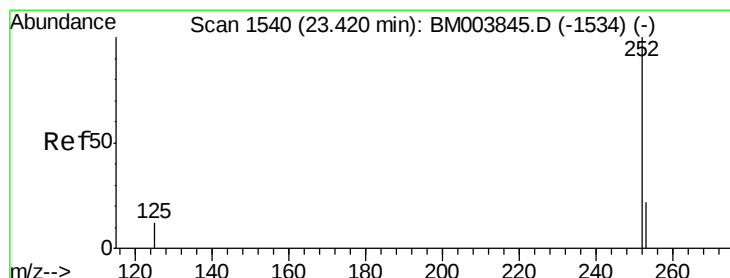
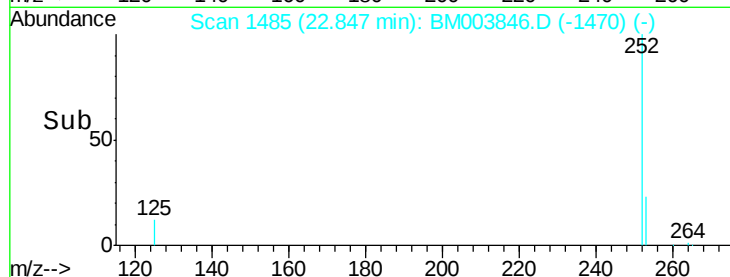
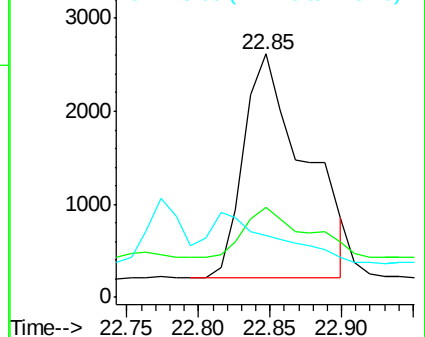
125 25.5 10.4 15.6#



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/ul

RT: 23.33 min Scan# 1531

Delta R.T. -0.09 min

Lab File: BM003846.D

Acq: 29 Dec 2015 02:20

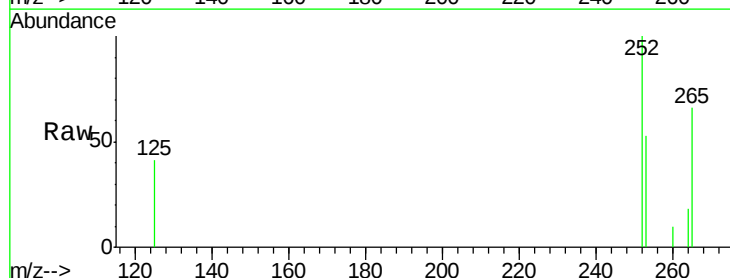
Tgt Ion:252 Resp: 2265

Ion Ratio Lower Upper

252 100

253 53.3 19.4 29.2#

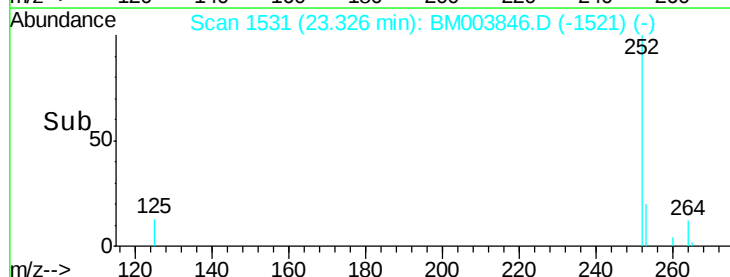
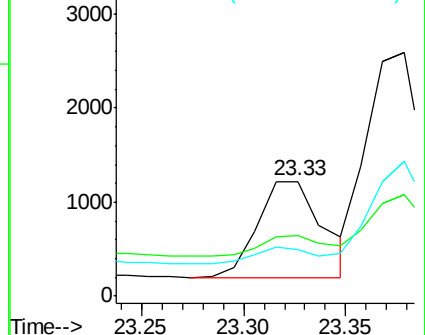
125 40.8 12.7 19.1#

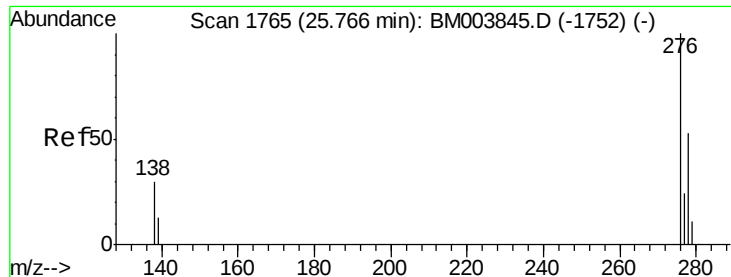


Abundance Ion 252.00 (251.70 to 252.70): E

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: 25.53 min Scan# 1742

Delta R.T. -0.24 min

Lab File: BM003846.D

Acq: 29 Dec 2015 02:20

Instrument :

BNA_G

ClientSampleId :

D9N57

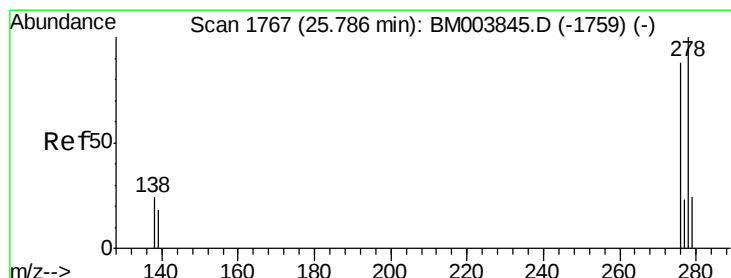
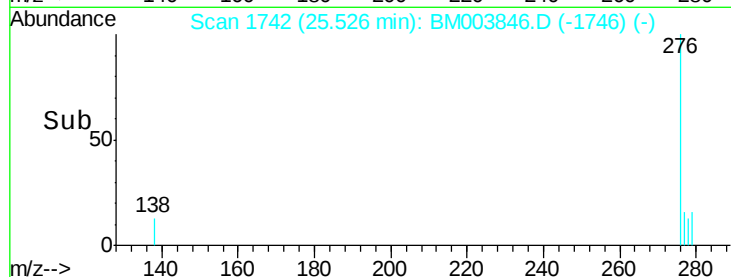
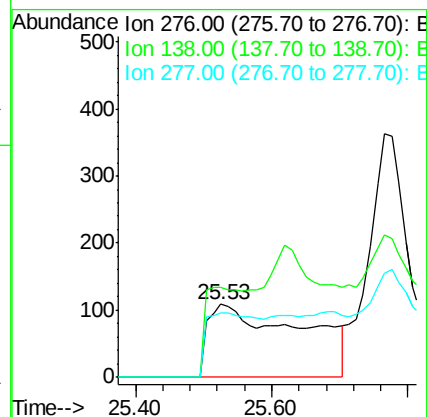
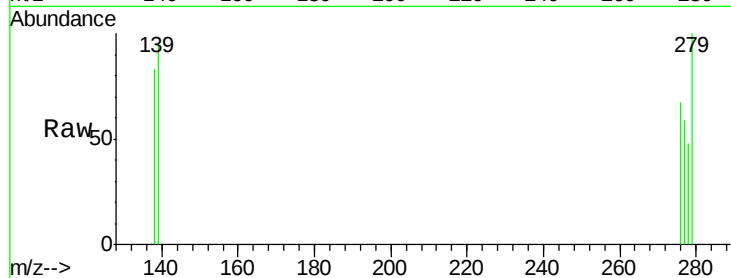
Tgt Ion:276 Resp: 1021

Ion Ratio Lower Upper

276 100

138 35.6 16.3 24.5#

277 0.0 19.8 29.8#



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.69 min Scan# 1758

Delta R.T. -0.09 min

Lab File: BM003846.D

Acq: 29 Dec 2015 02:20

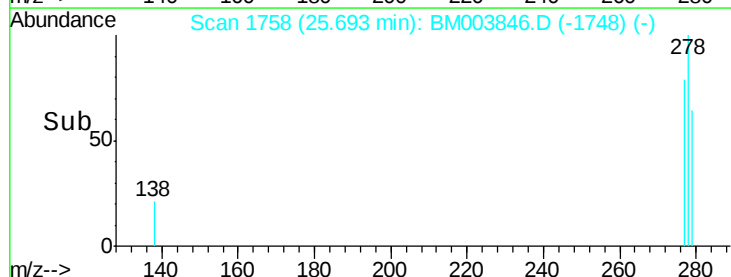
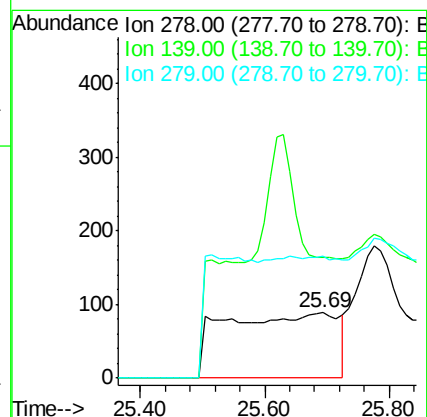
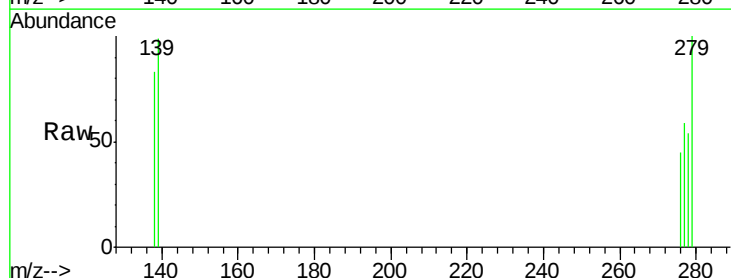
Tgt Ion:278 Resp: 1105

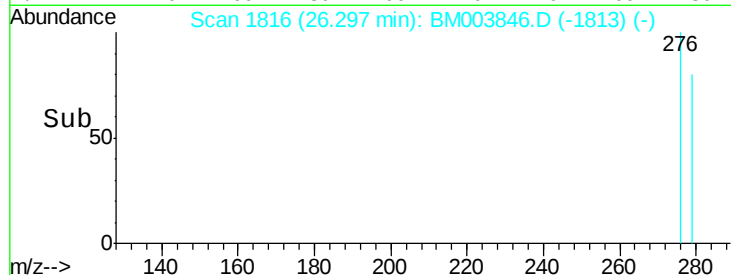
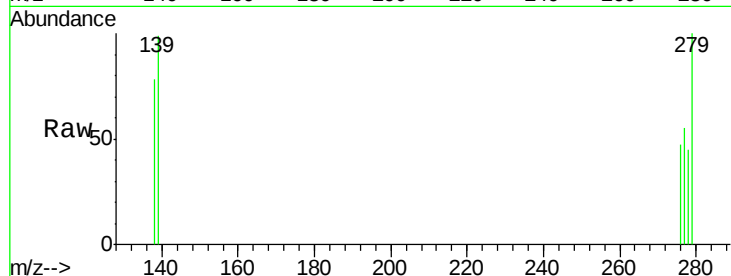
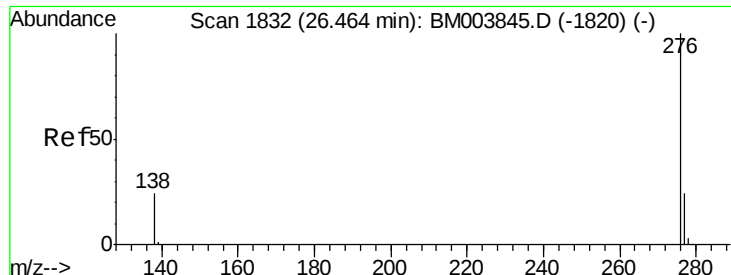
Ion Ratio Lower Upper

278 100

139 184.3 16.4 24.6#

279 186.5 20.2 30.2#





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.30 min Scan# 1816

Delta R.T. -0.17 min

Lab File: BM003846.D

Acq: 29 Dec 2015 02:20

Instrument :

BNA_G

ClientSampleId :

D9N57

Tgt Ion: 276 Resp: 24

Ion Ratio Lower Upper

276 100

277 115.6 18.9 28.3#

138 164.9 22.5 33.7#

