

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003848.D
 Acq On : 29 Dec 2015 03:31
 Operator : SJ/UM
 Sample : G4848-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N59

Quant Time: Dec 29 08:22:11 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	4255	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	18523	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.33	164	11244	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.18	188	1495494	0.40	ng/ul	0.10
18) Chrysene-d12	21.28	240	18232	0.40	ng/ul	0.00
22) Perylene-d12	23.38	264	1073148	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	21440	11.79	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.06	152	8176	0.37	ng/ul	-0.01
16) Fluoranthene-d10	19.12	212	19579	0.01	ng/ul	0.00

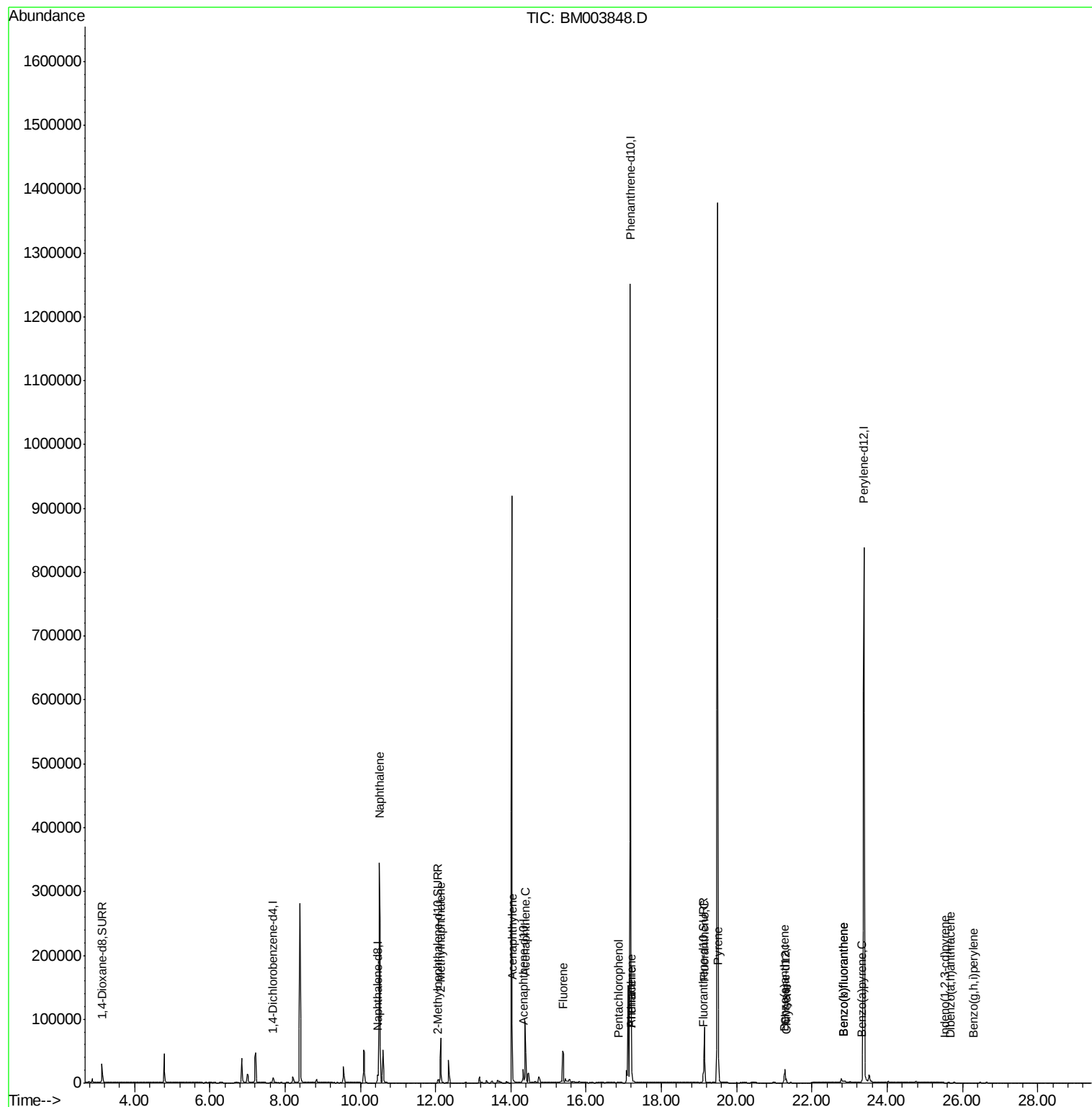
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.51	128	479183	11.48	ng/ul	98
7) 2-Methylnaphthalene	12.13	142	52073	1.86	ng/ul	99
9) Acenaphthylene	14.04	152	2568	0.06	ng/ul#	90
10) Acenaphthene	14.38	153	62461	1.80	ng/ul#	81
11) Fluorene	15.39	166	47562	1.24	ng/ul	95
13) Pentachlorophenol	16.85	266	11	0.00	ng/ul#	50
14) Phenanthrene	17.21	178	12588	0.00	ng/ul	98
15) Anthracene	17.21	178	12623	0.00	ng/ul	98
17) Fluoranthene	19.14	202	79831	0.02	ng/ul	98
19) Pyrene	19.51	202	56150	1.14	ng/ul	99
20) Benzo(a)anthracene	21.26	228	7516	0.17	ng/ul	95
21) Chrysene	21.31	228	6446	0.13	ng/ul	95
23) Benzo(b)fluoranthene	22.85	252	2553	0.00	ng/ul#	60
24) Benzo(k)fluoranthene	22.85	252	4141	0.00	ng/ul#	62
25) Benzo(a)pyrene	23.32	252	1052	0.00	ng/ul#	15
26) Indeno(1,2,3-cd)pyrene	25.54	276	941	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.68	278	1071	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.30	276	18	0.00	ng/ul#	1

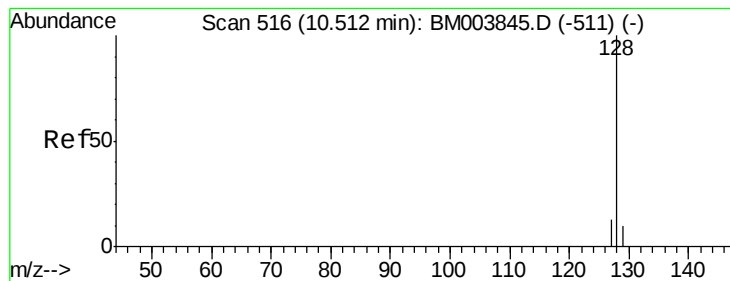
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 11.48 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. 0.00 min

Lab File: BM003848.D

Acq: 29 Dec 2015 03:31

Instrument :

BNA_M

ClientSampleId :

D9N59

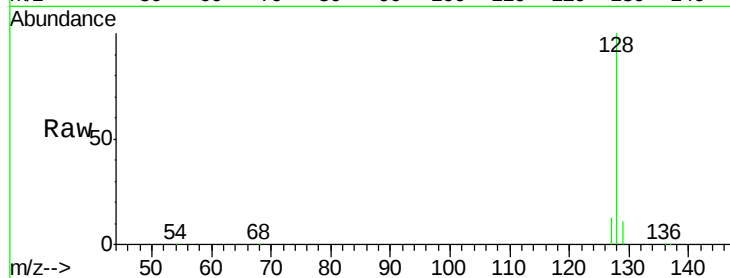
Tgt Ion:128 Resp: 479183

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

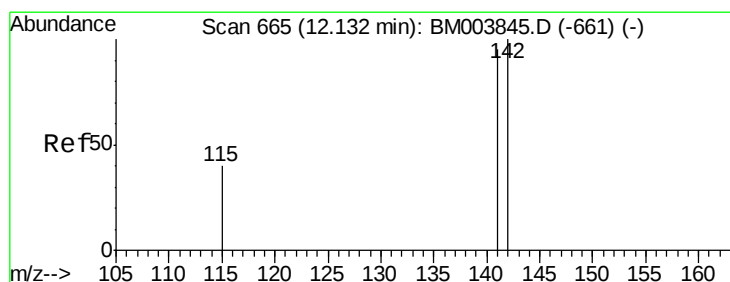
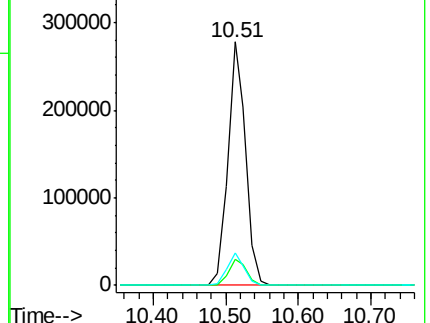
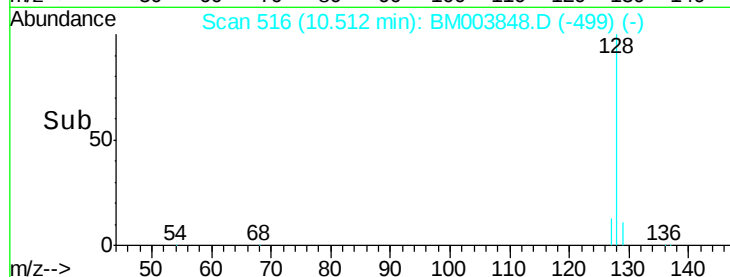
127 13.2 9.6 14.4



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: 1.86 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. 0.00 min

Lab File: BM003848.D

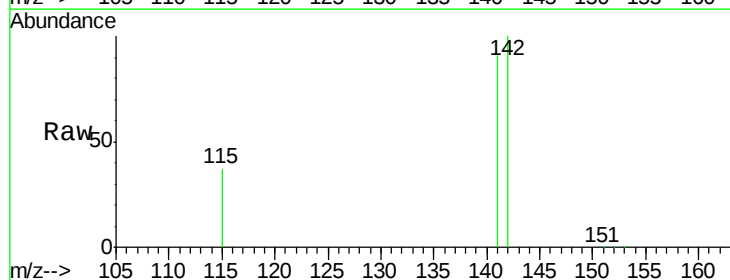
Acq: 29 Dec 2015 03:31

Tgt Ion:142 Resp: 52073

Ion Ratio Lower Upper

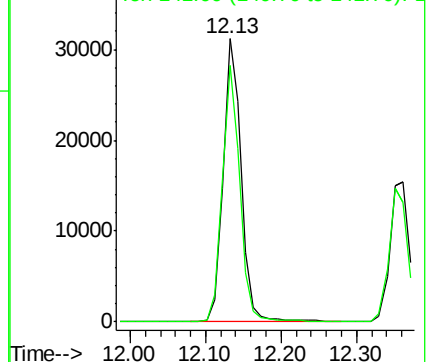
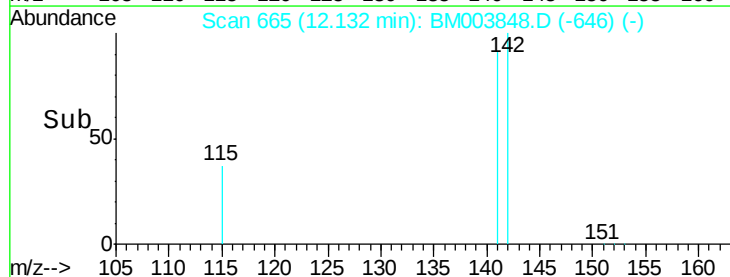
142 100

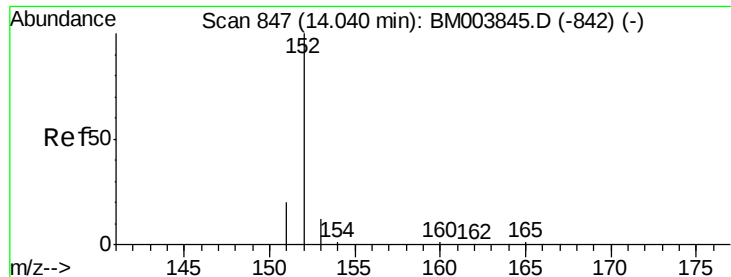
141 88.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.06 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM003848.D

Acq: 29 Dec 2015 03:31

Instrument :

BNA_M

ClientSampleId :

D9N59

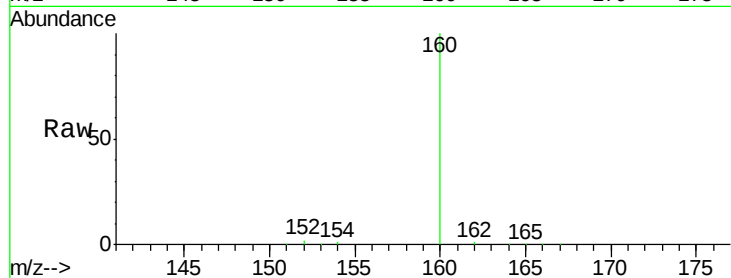
Tgt Ion:152 Resp: 2568

Ion Ratio Lower Upper

152 100

151 24.0 17.6 26.4

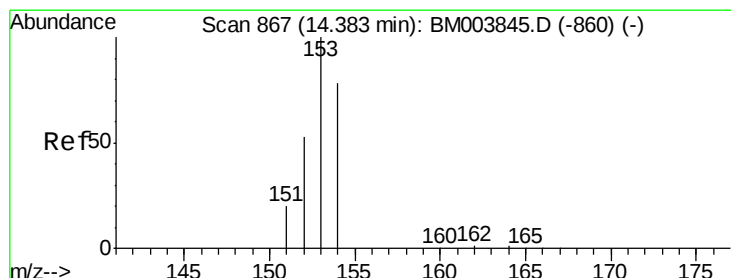
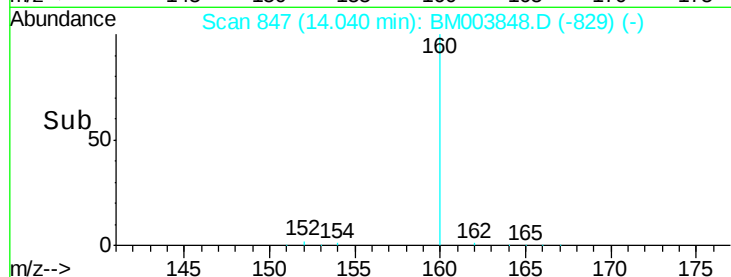
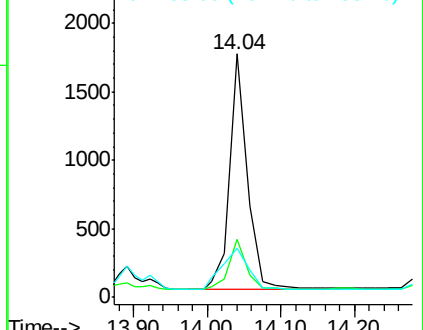
153 20.3 9.7 14.5#



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: 1.80 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM003848.D

Acq: 29 Dec 2015 03:31

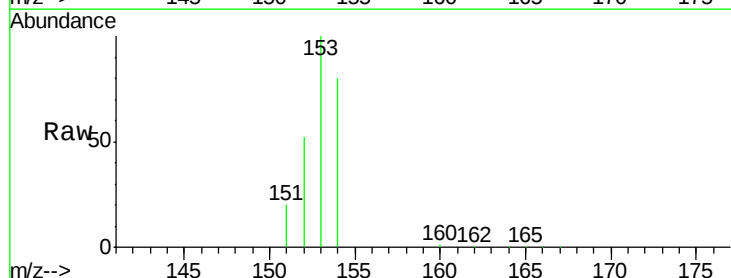
Tgt Ion:153 Resp: 62461

Ion Ratio Lower Upper

153 100

152 51.7 33.9 50.9#

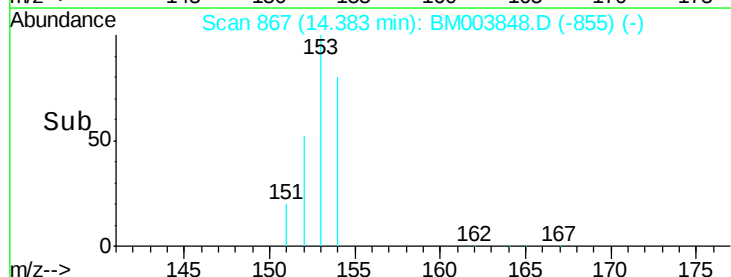
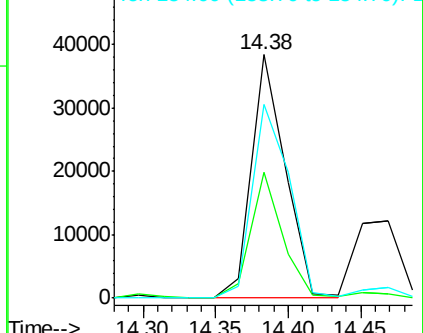
154 79.7 80.6 121.0#

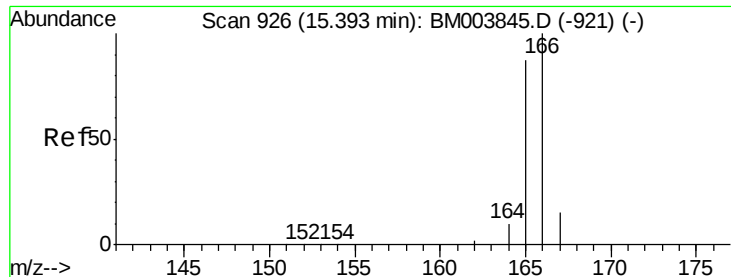


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 1.24 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. 0.00 min

Lab File: BM003848.D

Acq: 29 Dec 2015 03:31

Instrument :

BNA_M

ClientSampleId :

D9N59

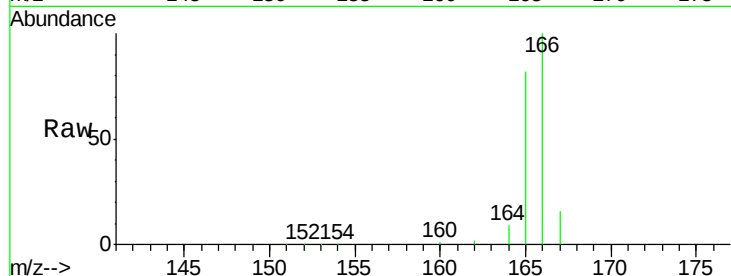
Tgt Ion:166 Resp: 47562

Ion Ratio Lower Upper

166 100

165 82.4 69.6 104.4

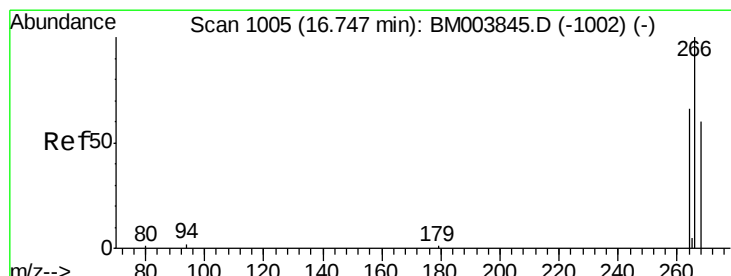
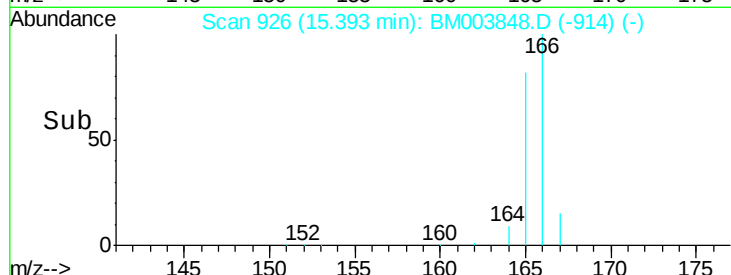
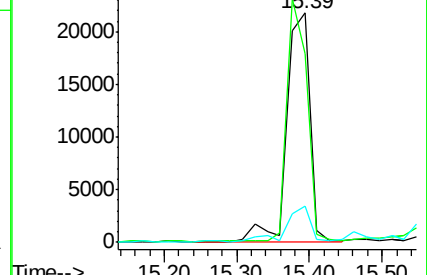
167 15.8 11.9 17.9



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: 16.85 min Scan# 1011

Delta R.T. 0.10 min

Lab File: BM003848.D

Acq: 29 Dec 2015 03:31

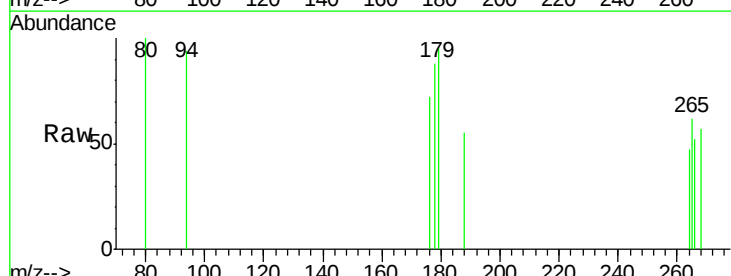
Tgt Ion:266 Resp: 11

Ion Ratio Lower Upper

266 100

264 45.5 51.8 77.8#

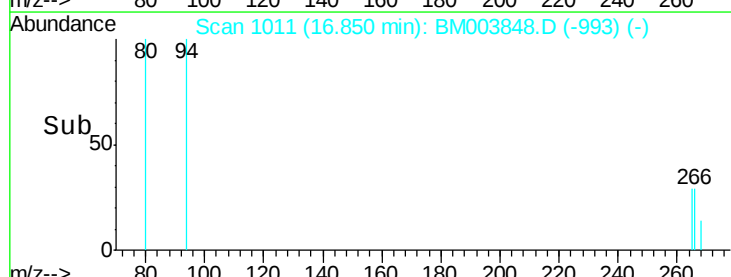
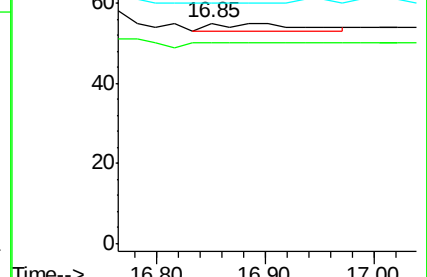
268 0.0 46.8 70.2#

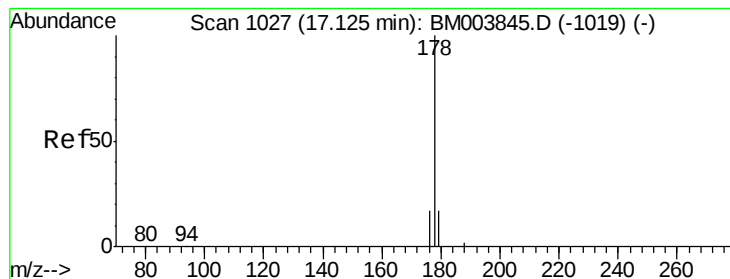


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. 0.09 min

Lab File: BM003848.D

Acq: 29 Dec 2015 03:31

Instrument :

BNA_M

ClientSampleId :

D9N59

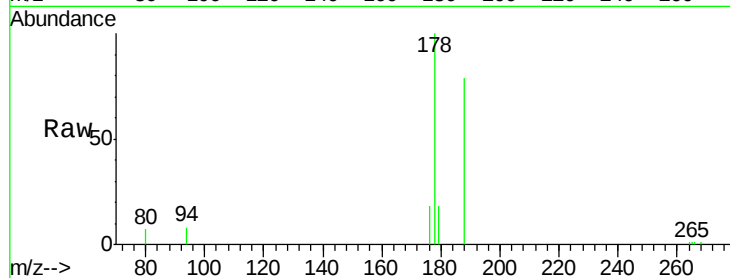
Tgt Ion:178 Resp: 12588

Ion Ratio Lower Upper

178 100

176 17.5 13.0 19.4

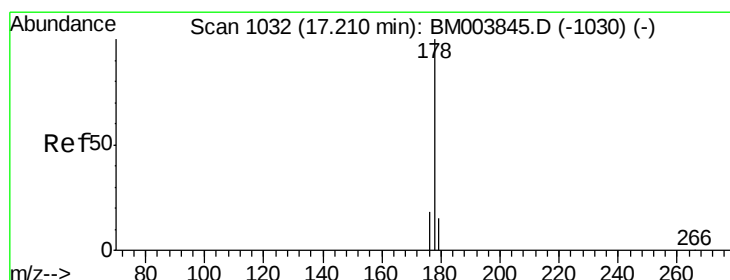
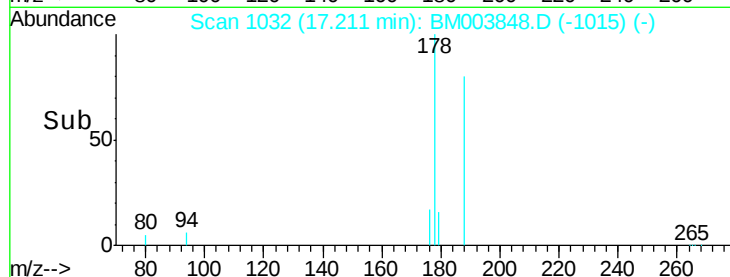
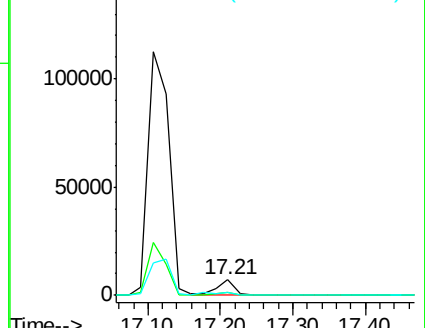
179 17.8 14.2 21.2



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: 0.00 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BM003848.D

Acq: 29 Dec 2015 03:31

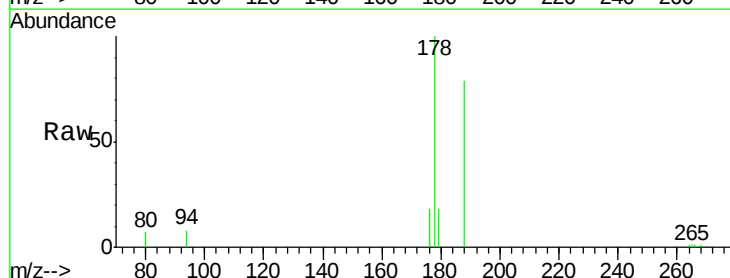
Tgt Ion:178 Resp: 12623

Ion Ratio Lower Upper

178 100

176 17.5 14.0 21.0

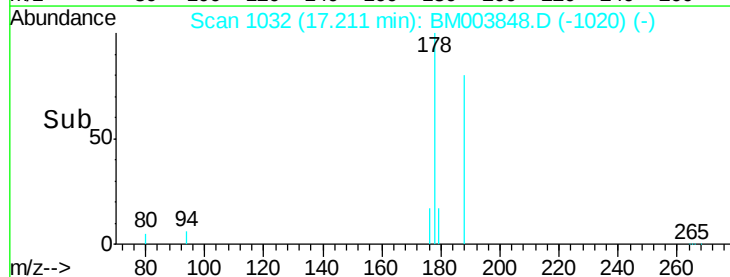
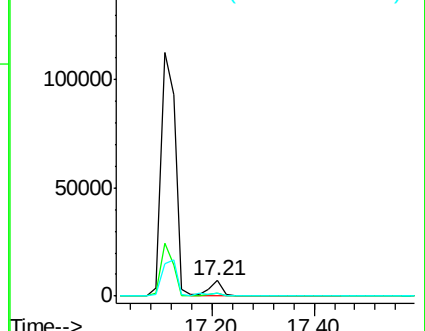
179 17.8 12.9 19.3

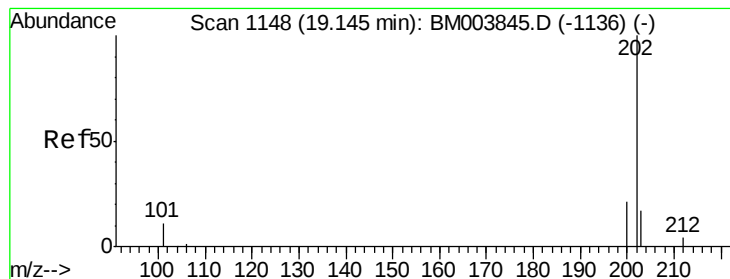


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM003848.D

Acq: 29 Dec 2015 03:31

Instrument :

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D9N59

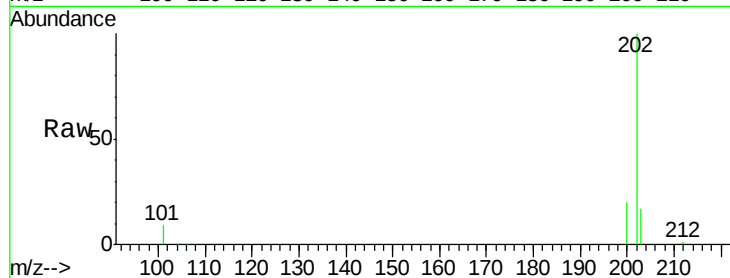
Tgt Ion:202 Resp: 79831

Ion Ratio Lower Upper

202 100

101 8.7 0.0 29.6

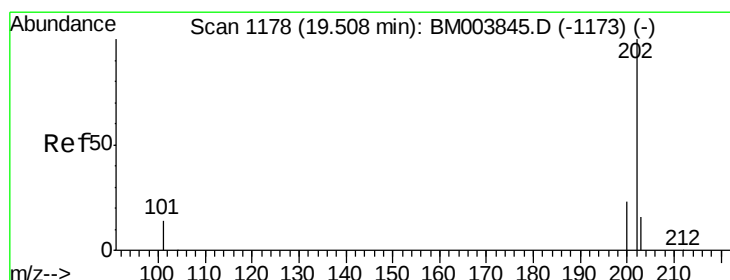
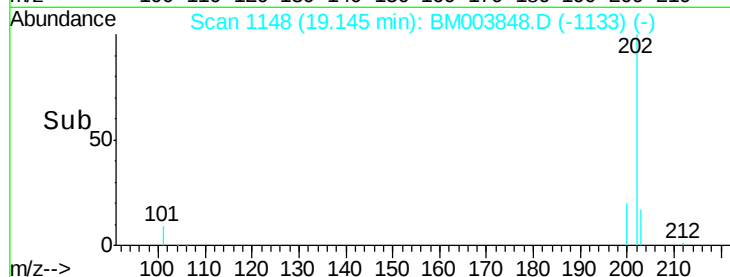
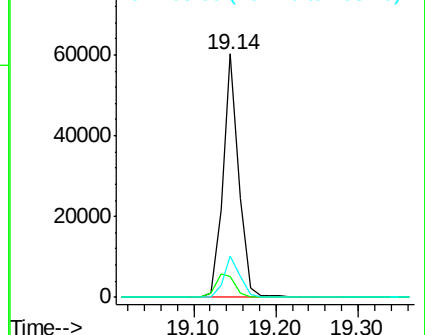
203 17.1 0.0 36.3



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: 1.14 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BM003848.D

Acq: 29 Dec 2015 03:31

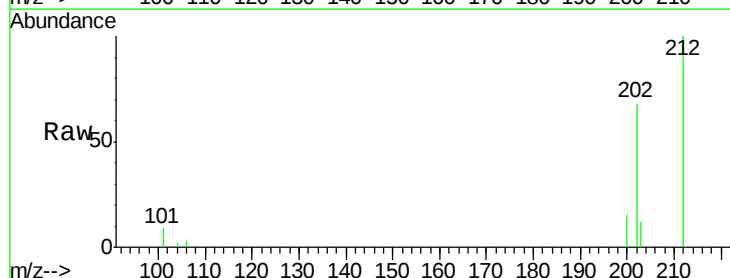
Tgt Ion:202 Resp: 56150

Ion Ratio Lower Upper

202 100

200 22.2 17.8 26.8

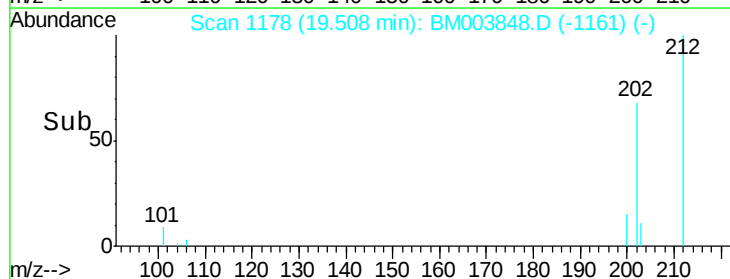
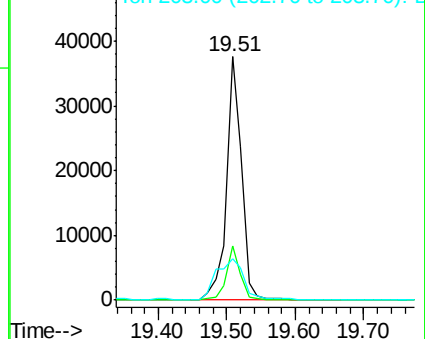
203 17.2 12.8 19.2

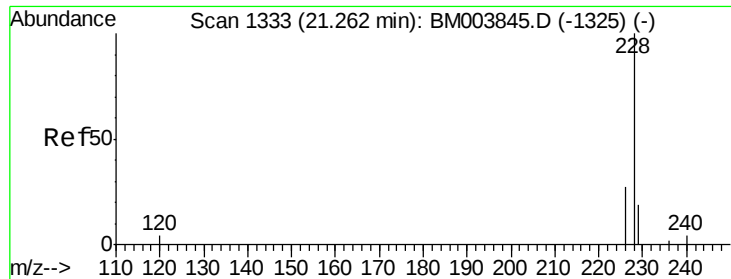


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.17 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BM003848.D

Acq: 29 Dec 2015 03:31

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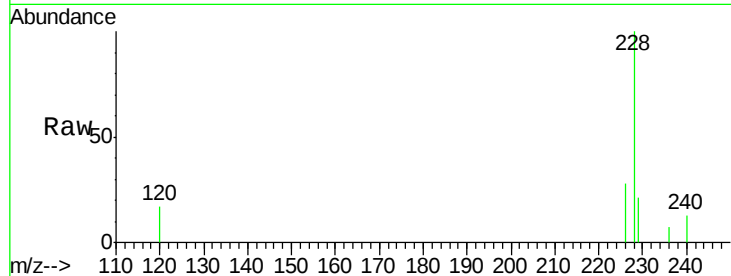
Tgt Ion:228 Resp: 7516

Ion Ratio Lower Upper

228 100

226 27.9 18.8 28.2

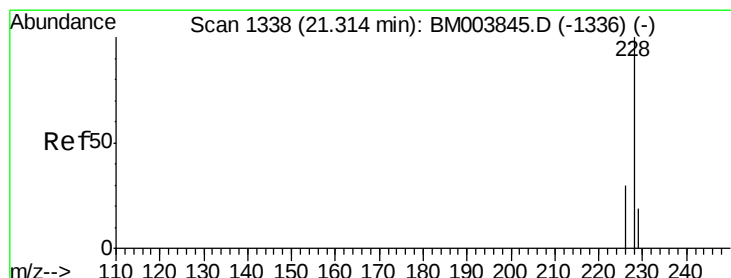
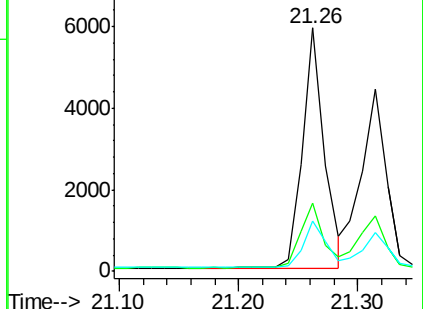
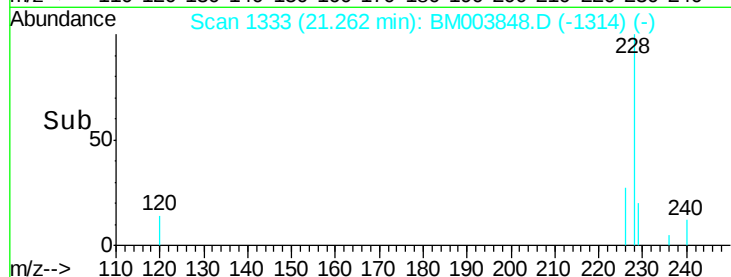
229 20.9 17.1 25.7



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: 0.13 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BM003848.D

Acq: 29 Dec 2015 03:31

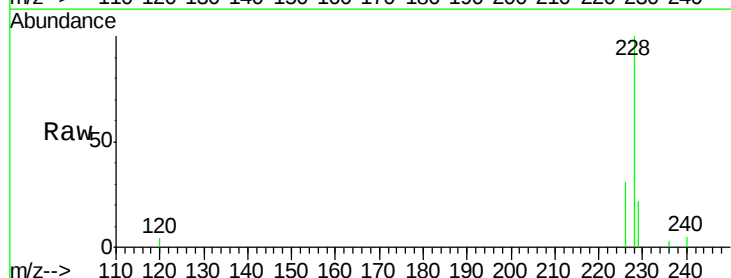
Tgt Ion:228 Resp: 6446

Ion Ratio Lower Upper

228 100

226 30.9 21.2 31.8

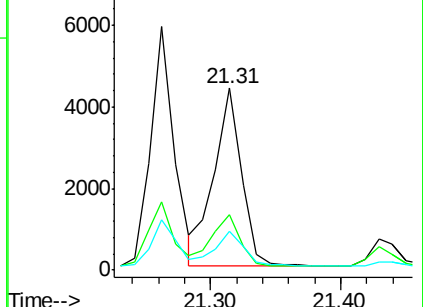
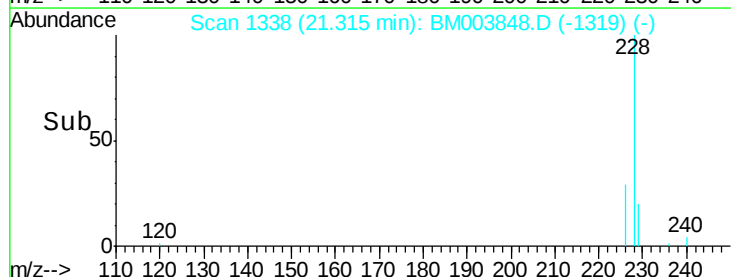
229 21.5 17.0 25.6

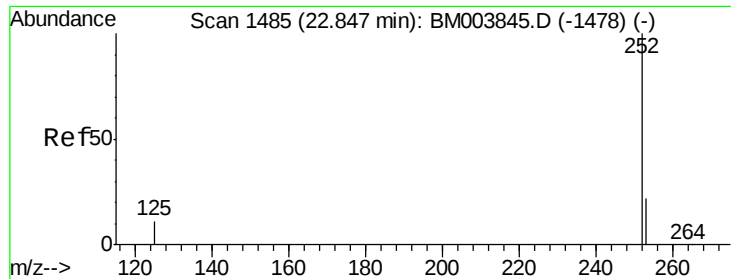


Abundance Ion 228.00 (227.70 to 228.70): E

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: BM003848.D

Acq: 29 Dec 2015 03:31

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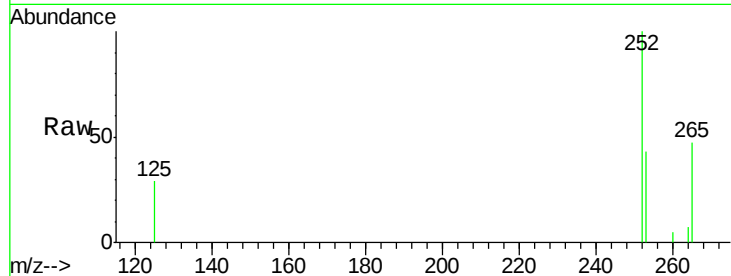
Tgt Ion:252 Resp: 2553

Ion Ratio Lower Upper

252 100

253 43.0 0.0 45.4

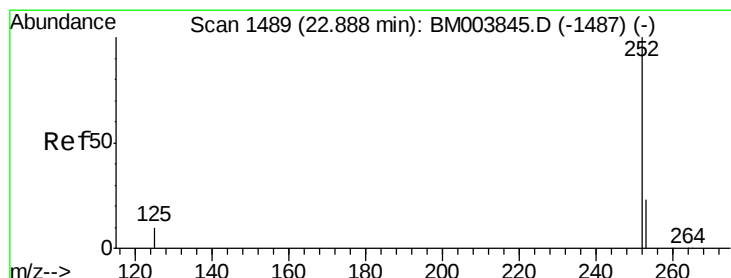
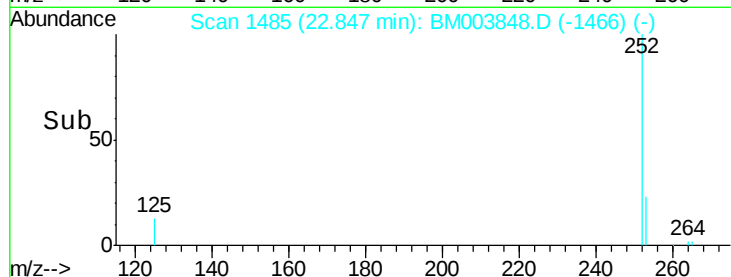
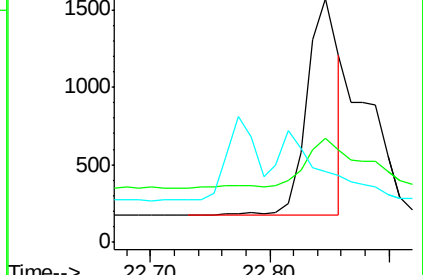
125 29.0 0.0 28.8#



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/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.04 min

Lab File: BM003848.D

Acq: 29 Dec 2015 03:31

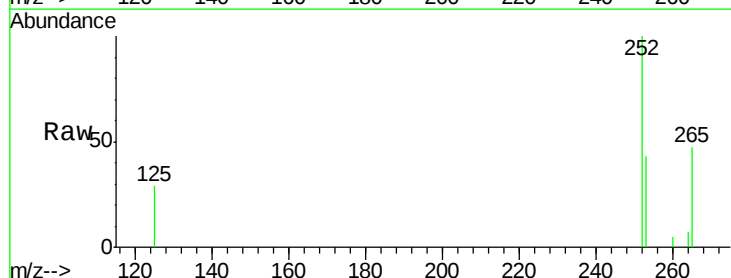
Tgt Ion:252 Resp: 4141

Ion Ratio Lower Upper

252 100

253 43.0 19.8 29.8#

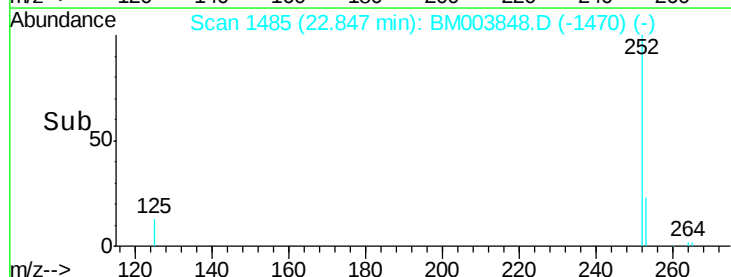
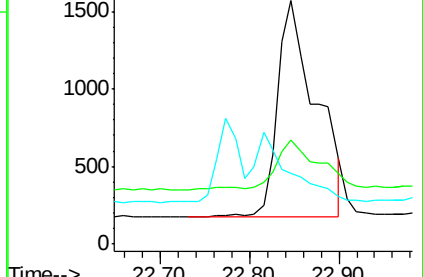
125 29.0 10.4 15.6#

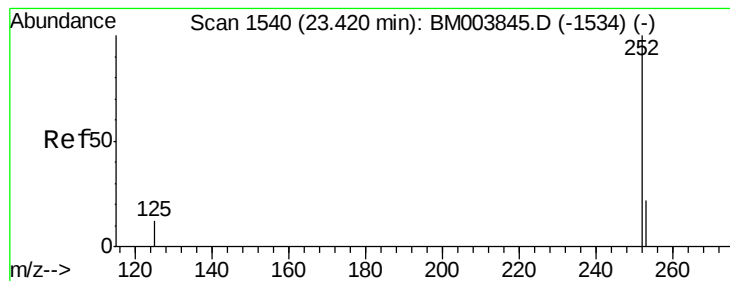


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.32 min Scan# 1530

Delta R.T. -0.10 min

Lab File: BM003848.D

Acq: 29 Dec 2015 03:31

Instrument :

BNA_M

ClientSampleId :

D9N59

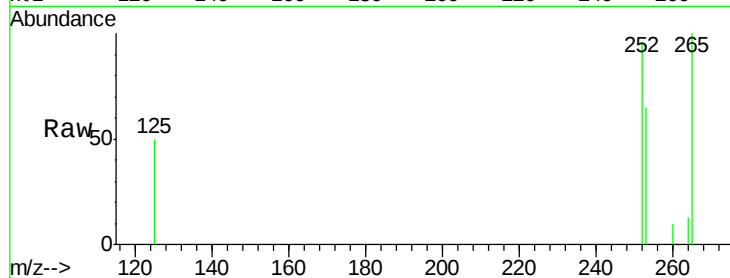
Tgt Ion:252 Resp: 1052

Ion Ratio Lower Upper

252 100

253 66.9 19.4 29.2#

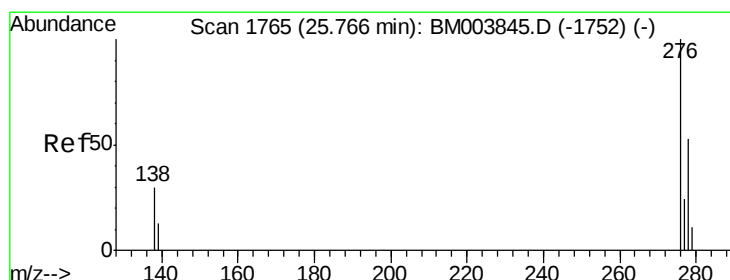
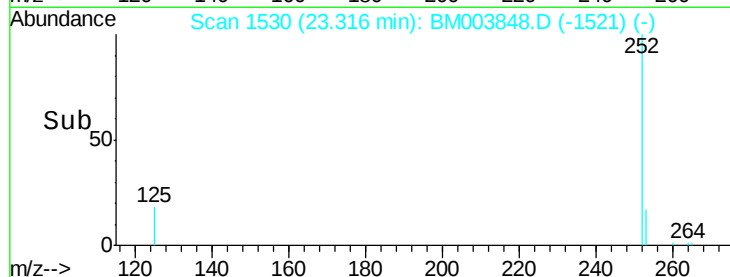
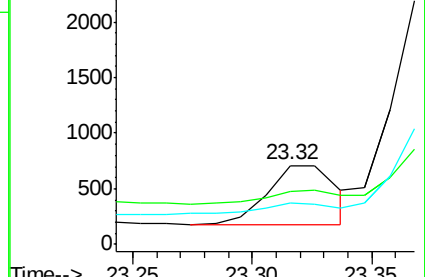
125 51.7 12.7 19.1#



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: BM003848.D

Acq: 29 Dec 2015 03:31

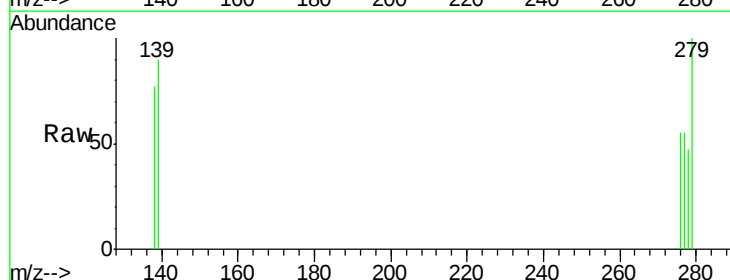
Tgt Ion:276 Resp: 941

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

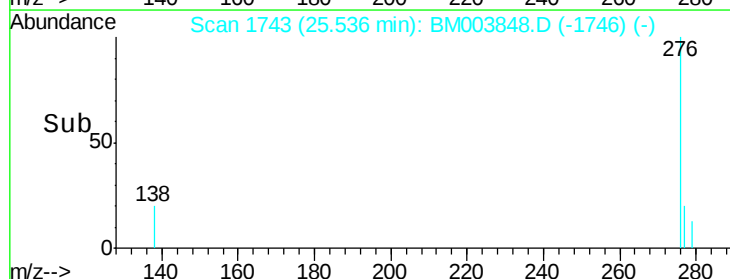
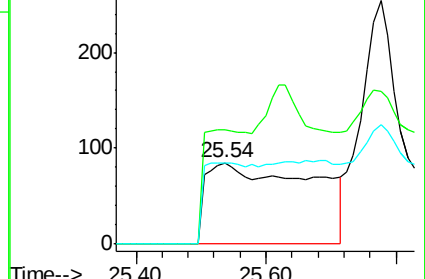
277 0.0 19.8 29.8#

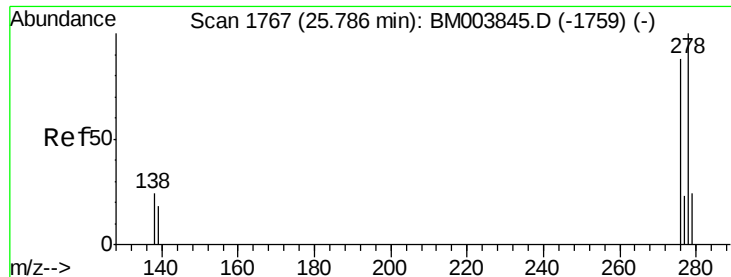


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.68 min Scan# 1757

Delta R.T. -0.10 min

Lab File: BM003848.D

Acq: 29 Dec 2015 03:31

Instrument :

BNA_M

ClientSampleId :

D9N59

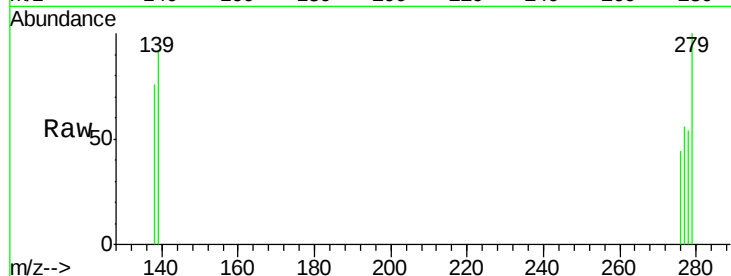
Tgt Ion:278 Resp: 1071

Ion Ratio Lower Upper

278 100

139 168.2 16.4 24.6#

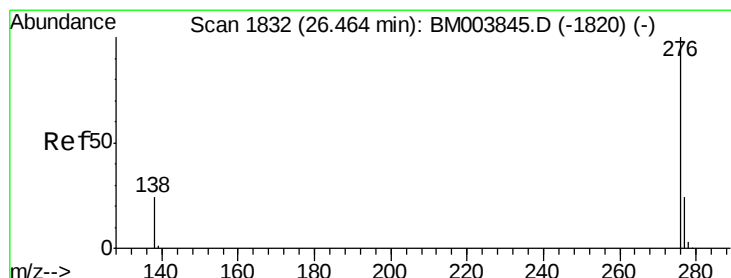
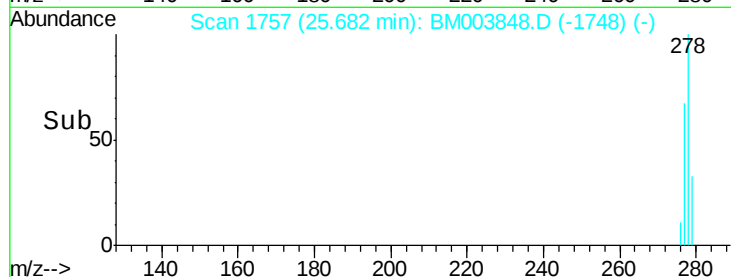
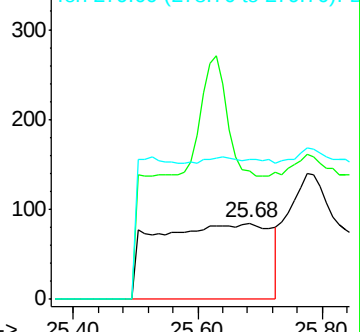
279 183.5 20.2 30.2#



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: 26.30 min Scan# 1816

Delta R.T. -0.17 min

Lab File: BM003848.D

Acq: 29 Dec 2015 03:31

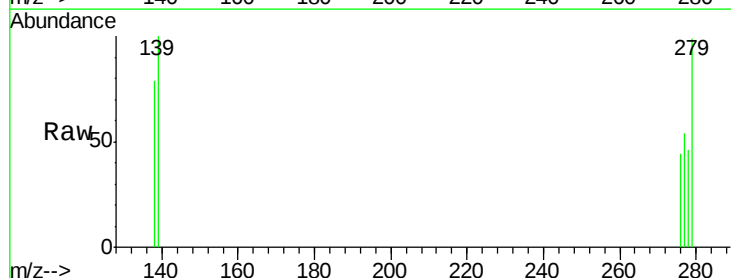
Tgt Ion:276 Resp: 18

Ion Ratio Lower Upper

276 100

277 120.9 18.9 28.3#

138 179.1 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

