

Data Path : Z:\HPCHEM1\BNA M\DATA\BM123115\
 Data File : BM003858.D
 Acq On : 29 Dec 2015 20:33
 Operator : SJ/UM
 Sample : G4848-16
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N62

Quant Time: Dec 30 03:33:59 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 : Wed Dec 30 03:30:26 2015
 Response via : Initial Calibration

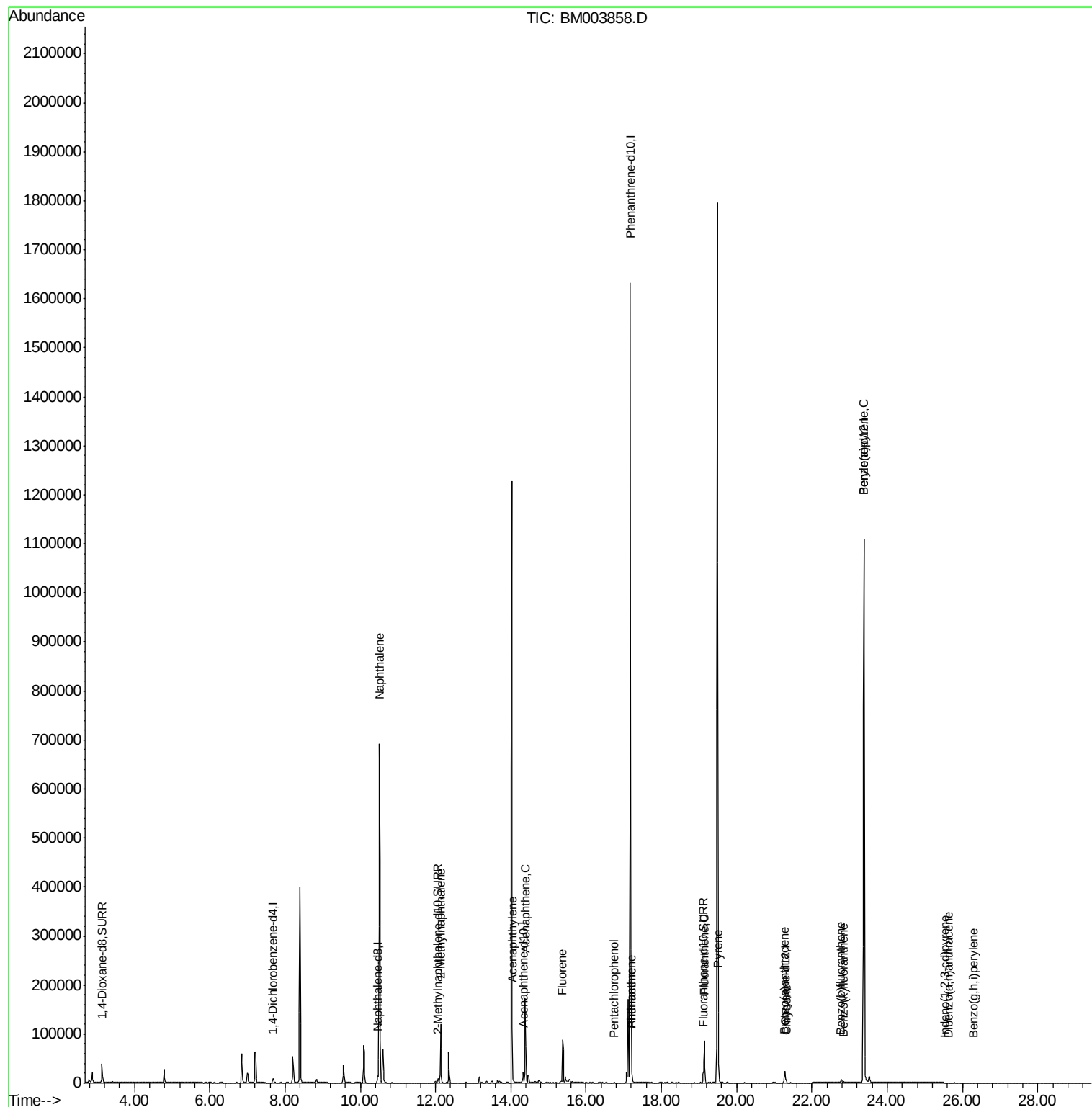
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	4490	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	20378	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.33	164	12612	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.18	188	1970569	0.40	ng/ul	0.10
18) Chrysene-d12	21.28	240	21668	0.40	ng/ul	0.00
22) Perylene-d12	23.38	264	1477932	0.40	ng/ul	-0.15
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	27762	14.47	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.06	152	11601	0.47	ng/ul	-0.01
16) Fluoranthene-d10	19.12	212	28009	0.01	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	10.51	128	940770	20.49	ng/ul	98
7) 2-Methylnaphthalene	12.13	142	85816	2.78	ng/ul	99
9) Acenaphthylene	14.04	152	10052	0.21	ng/ul#	96
10) Acenaphthene	14.38	153	108613	2.80	ng/ul	83
11) Fluorene	15.38	166	75328	1.75	ng/ul#	76
13) Pentachlorophenol	16.75	266	147	0.00	ng/ul#	86
14) Phenanthrene	17.21	178	15812	0.00	ng/ul	98
15) Anthracene	17.21	178	15790	0.00	ng/ul	98
17) Fluoranthene	19.14	202	78876	0.01	ng/ul	97
19) Pyrene	19.51	202	57588	0.98	ng/ul	99
20) Benzo(a)anthracene	21.26	228	6820	0.13	ng/ul#	94
21) Chrysene	21.31	228	6053	0.10	ng/ul	94
23) Benzo(b)fluoranthene	22.77	252	64	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.85	252	3652	0.00	ng/ul#	62
25) Benzo(a)pyrene	23.38	252	8025	0.00	ng/ul#	49
26) Indeno(1,2,3-cd)pyrene	25.54	276	854	0.00	ng/ul#	29
27) Dibenzo(a,h)anthracene	25.63	278	1006	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.29	276	6	0.00	ng/ul#	1

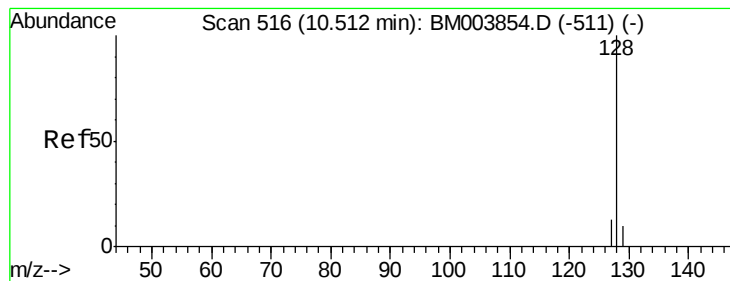
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 20.49 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.00 min

Lab File: BM003858.D

Acq: 29 Dec 2015 20:33

Instrument :

BNA_M

ClientSampleId :

D9N62

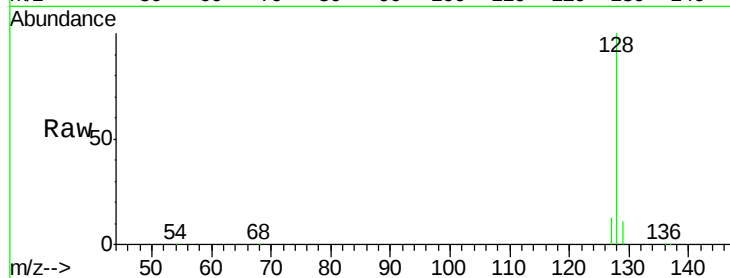
Tot Ion:128 Resp: 940770

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

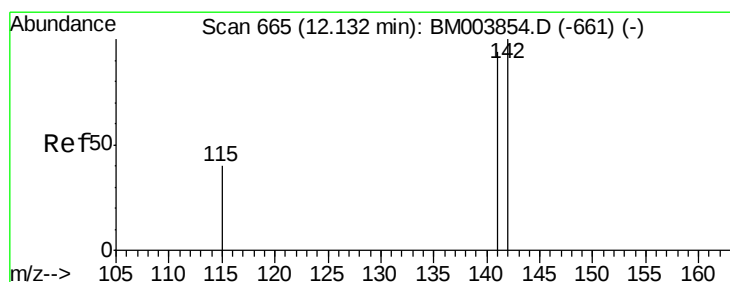
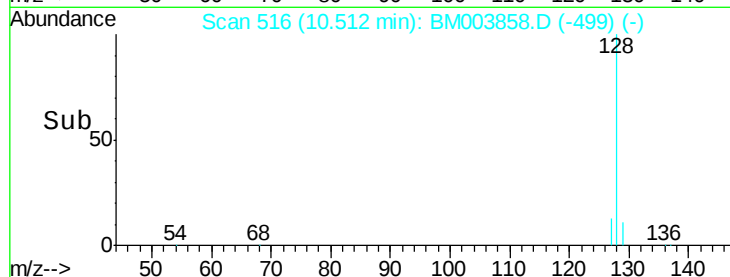
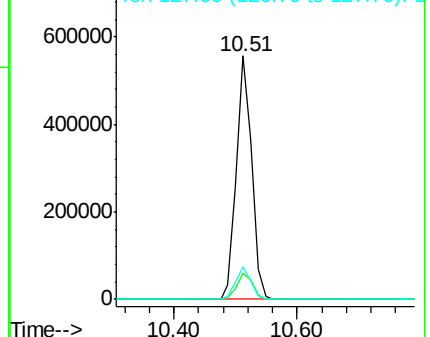
127 13.2 9.6 14.4



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: 2.78 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.00 min

Lab File: BM003858.D

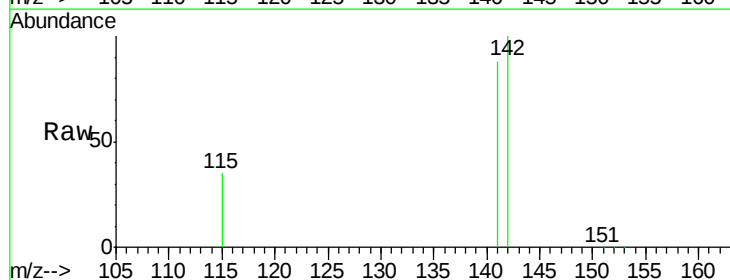
Acq: 29 Dec 2015 20:33

Tgt Ion:142 Resp: 85816

Ion Ratio Lower Upper

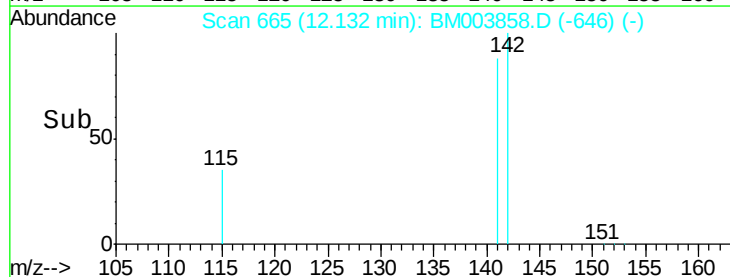
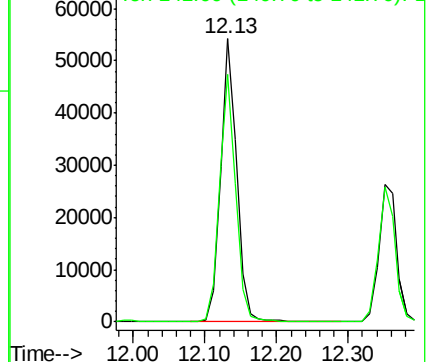
142 100

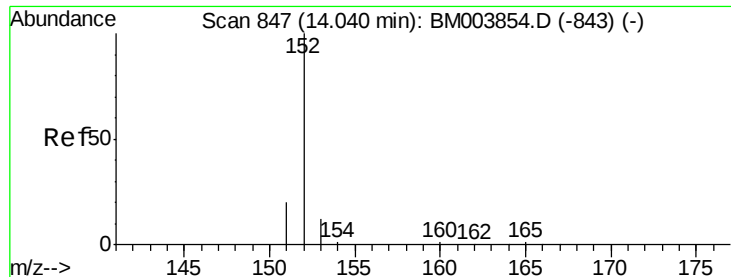
141 88.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.21 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM003858.D

Acq: 29 Dec 2015 20:33

Instrument :

BNA_M

ClientSampleId :

D9N62

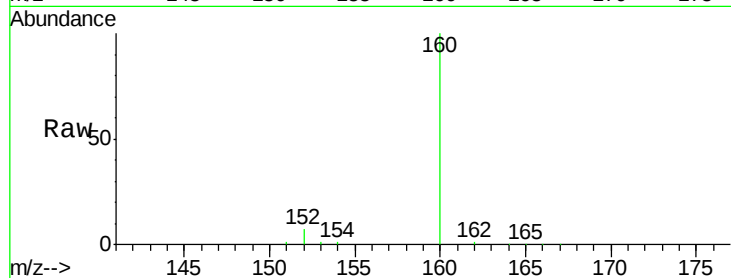
Tot Ion:152 Resp: 10052

Ion Ratio Lower Upper

152 100

151 20.6 17.6 26.4

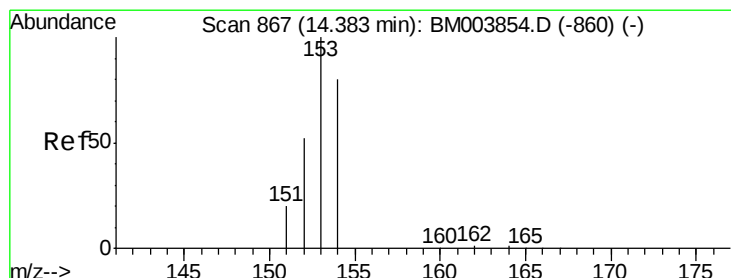
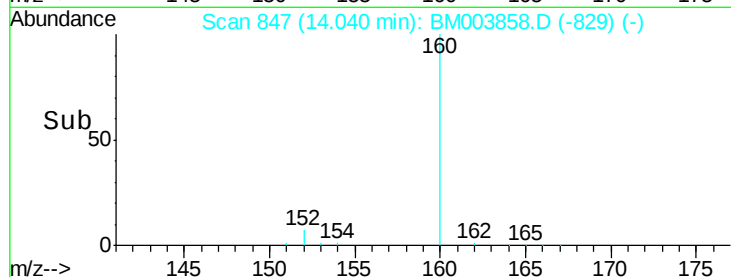
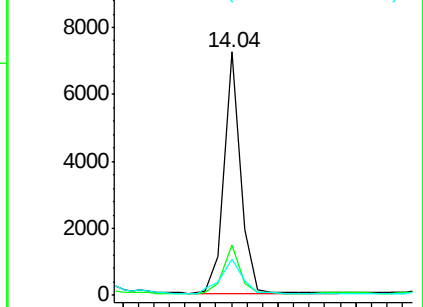
153 15.0 9.7 14.5#



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: 2.80 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM003858.D

Acq: 29 Dec 2015 20:33

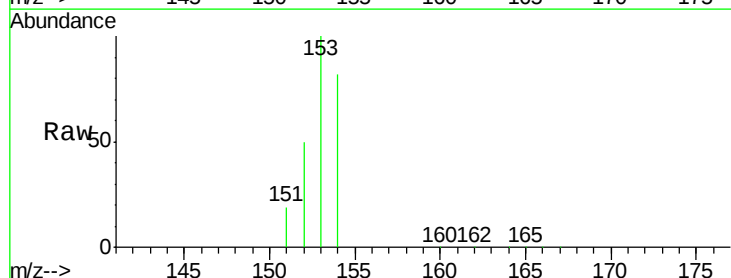
Tgt Ion:153 Resp: 108613

Ion Ratio Lower Upper

153 100

152 50.0 33.9 50.9

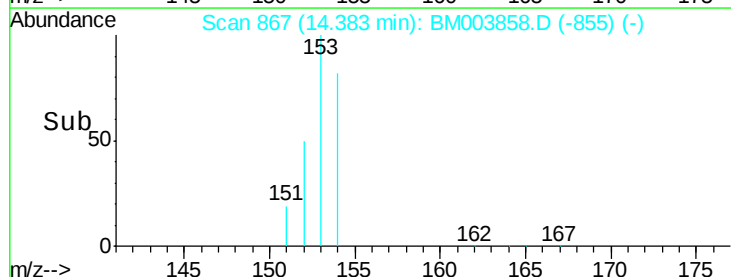
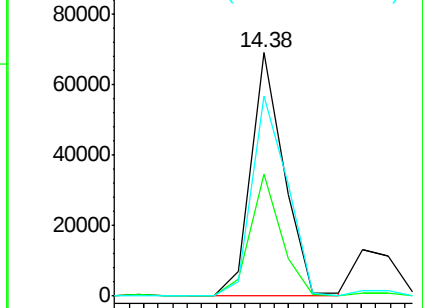
154 82.1 80.6 121.0

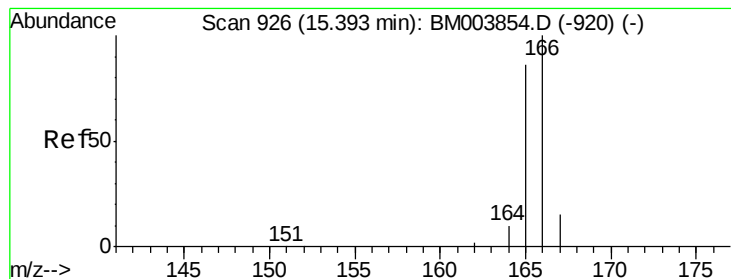


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 1.75 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM003858.D

Acq: 29 Dec 2015 20:33

Instrument :

BNA_M

ClientSampleId :

D9N62

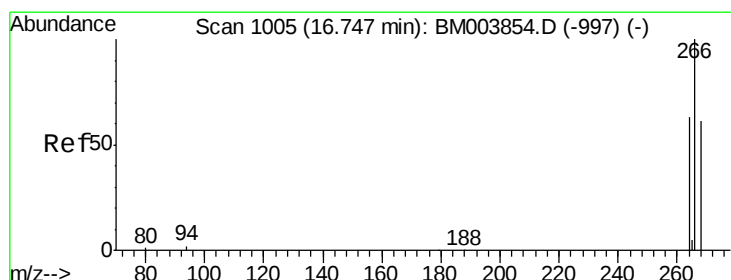
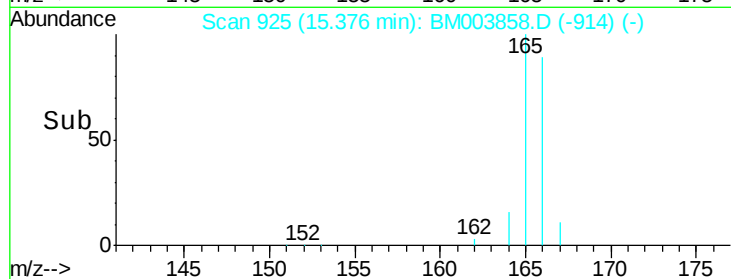
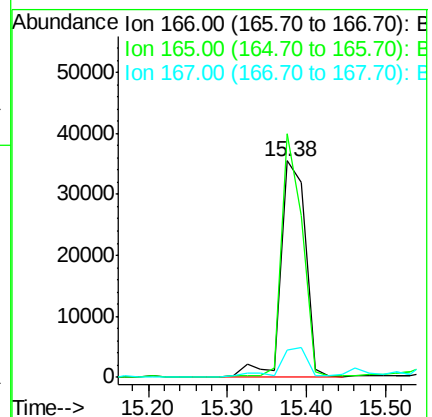
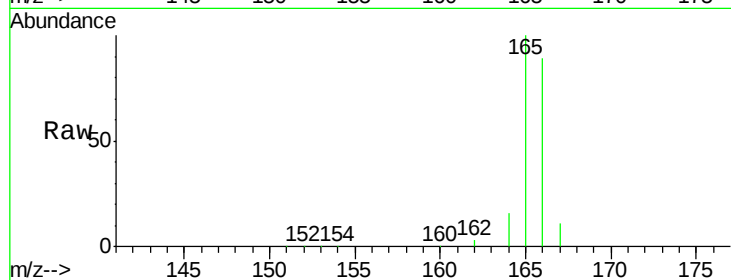
Tot Ion:166 Resp: 75328

Ion Ratio Lower Upper

166 100

165 112.6 69.6 104.4#

167 12.8 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: BM003858.D

Acq: 29 Dec 2015 20:33

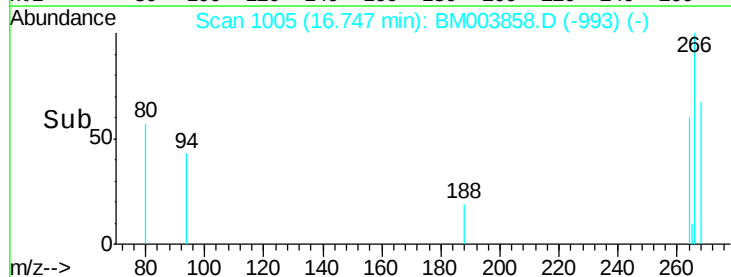
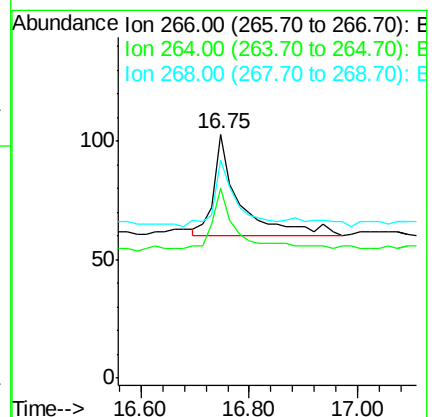
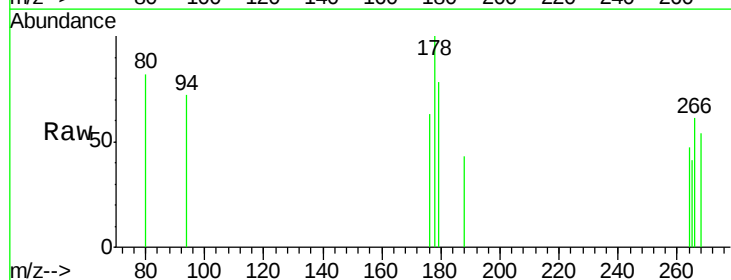
Tgt Ion:266 Resp: 147

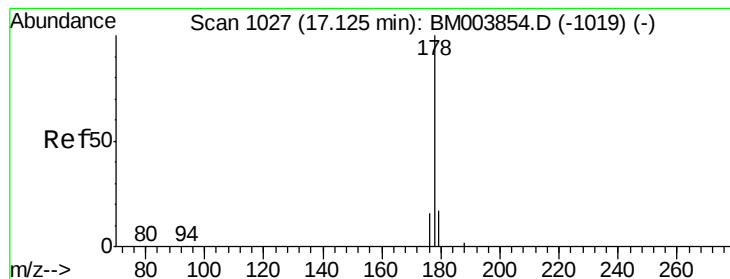
Ion Ratio Lower Upper

266 100

264 49.0 51.8 77.8#

268 53.7 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: BM003858.D

Acq: 29 Dec 2015 20:33

Instrument :

BNA_M

ClientSampleId :

D9N62

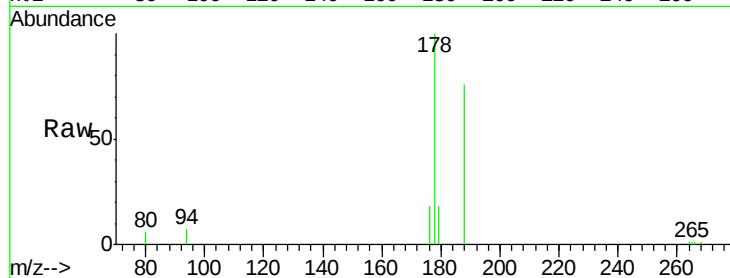
Tot Ion:178 Resp: 15812

Ion Ratio Lower Upper

178 100

176 17.5 13.0 19.4

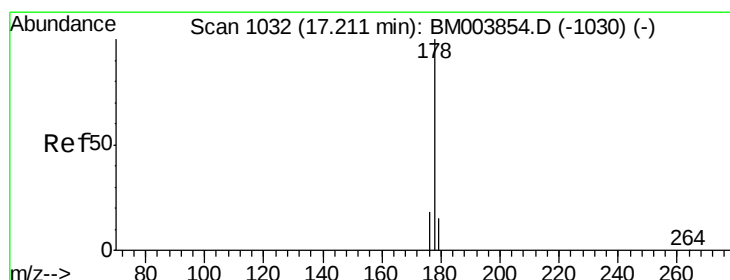
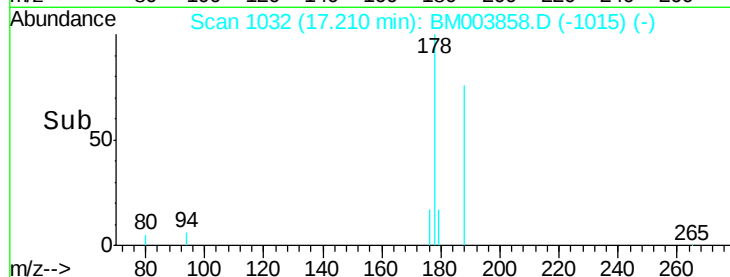
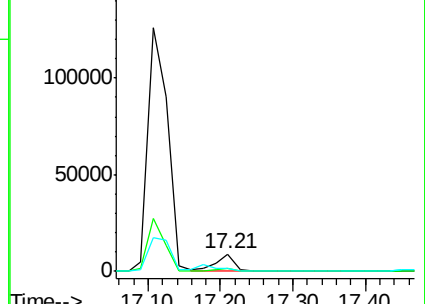
179 17.8 14.2 21.2



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: BM003858.D

Acq: 29 Dec 2015 20:33

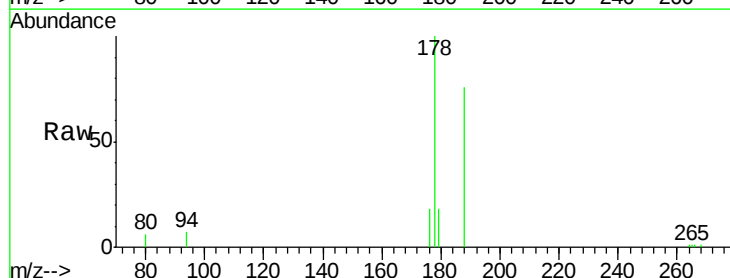
Tgt Ion:178 Resp: 15790

Ion Ratio Lower Upper

178 100

176 17.5 14.0 21.0

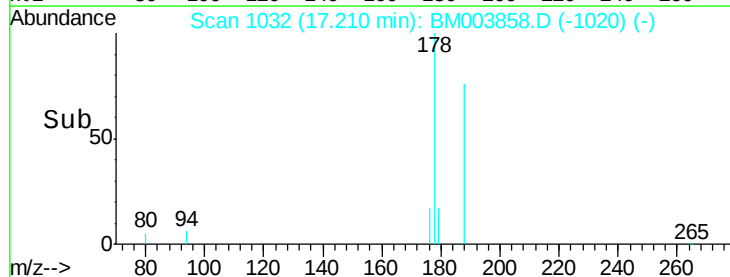
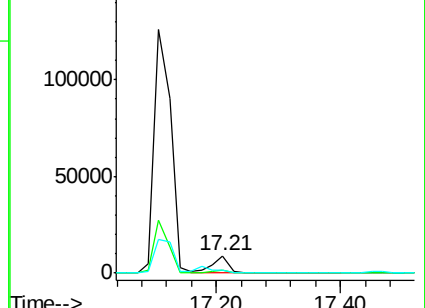
179 17.8 12.9 19.3

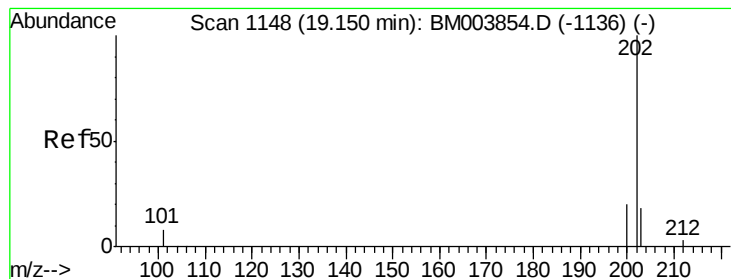


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.01 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BM003858.D

Acq: 29 Dec 2015 20:33

Instrument :

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ClientSampleId :

D9N62

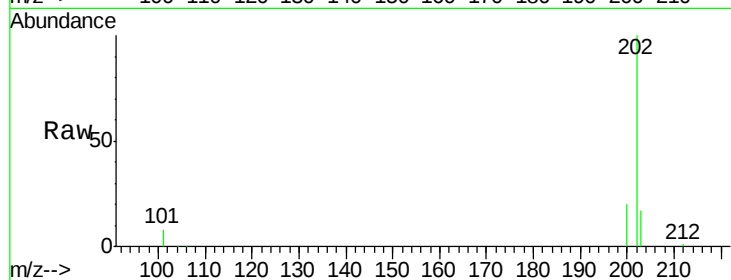
Tot Ion:202 Resp: 78876

Ion Ratio Lower Upper

202 100

101 8.5 0.0 29.6

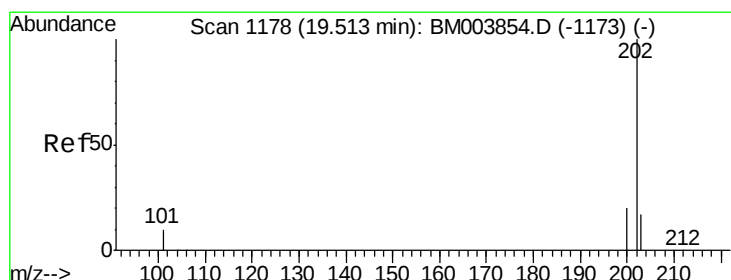
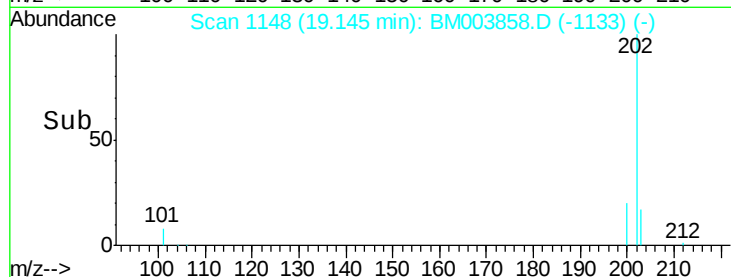
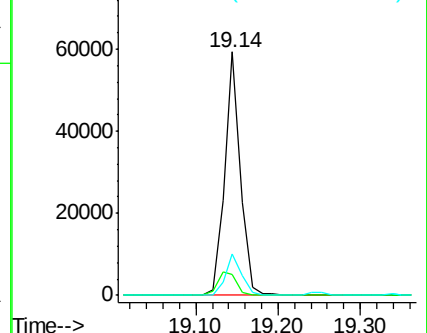
203 17.2 0.0 36.3



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: 0.98 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BM003858.D

Acq: 29 Dec 2015 20:33

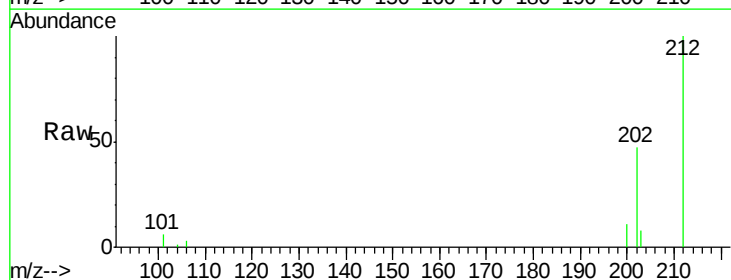
Tgt Ion:202 Resp: 57588

Ion Ratio Lower Upper

202 100

200 22.3 17.8 26.8

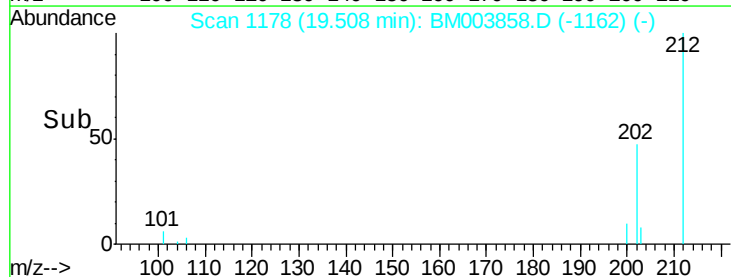
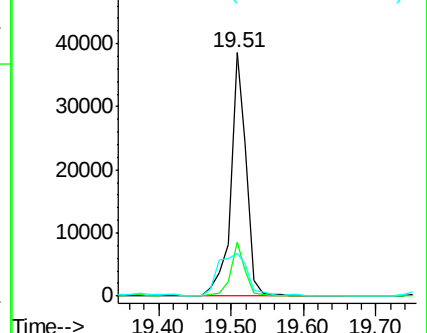
203 17.3 12.8 19.2

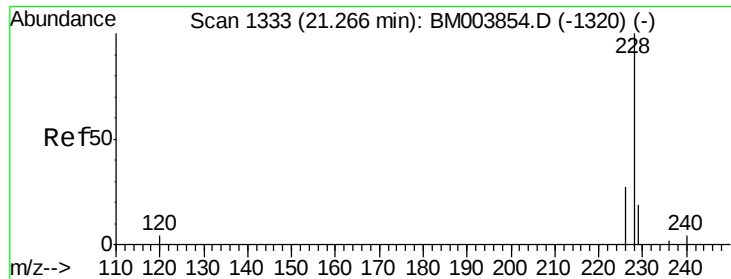


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.13 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM003858.D

Acq: 29 Dec 2015 20:33

Instrument :

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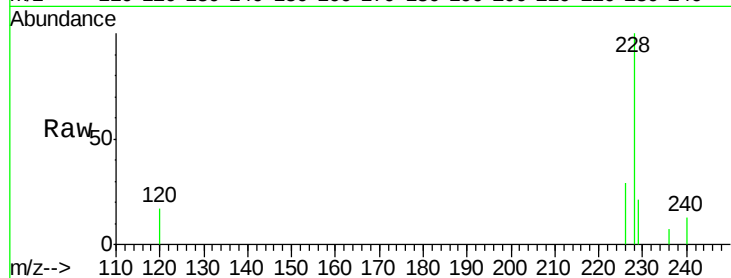
Tot Ion:228 Resp: 6820

Ion Ratio Lower Upper

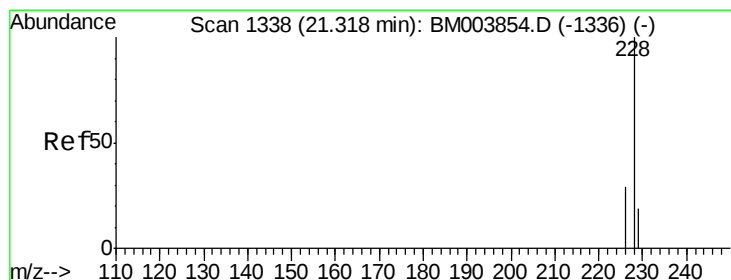
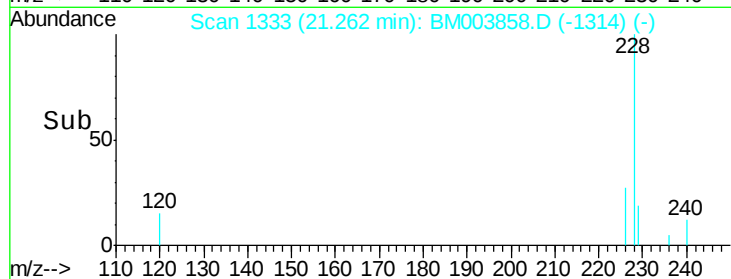
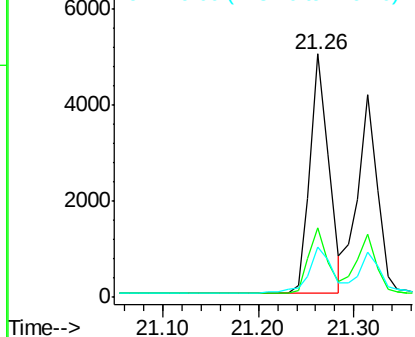
228 100

226 28.5 18.8 28.2#

229 20.6 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: 0.10 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BM003858.D

Acq: 29 Dec 2015 20:33

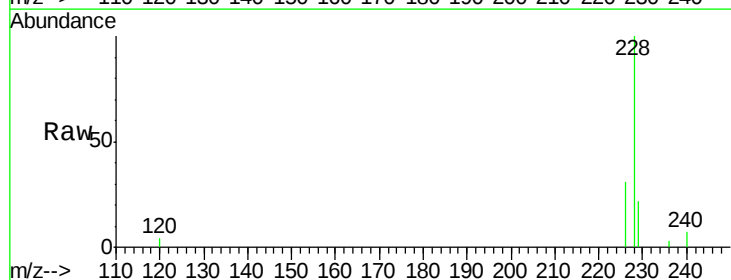
Tgt Ion:228 Resp: 6053

Ion Ratio Lower Upper

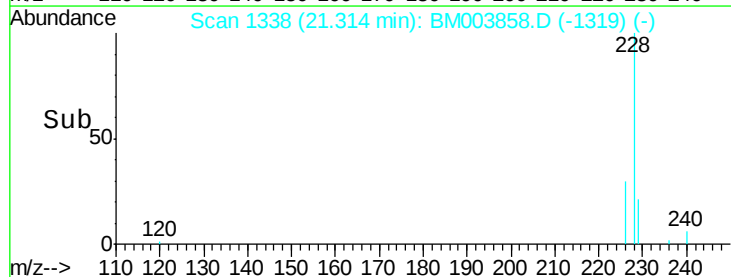
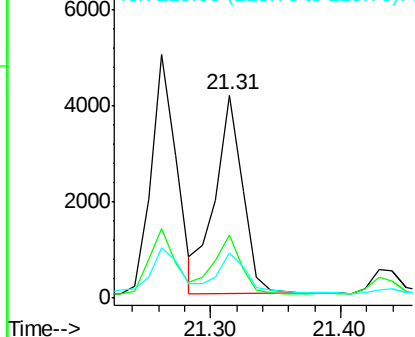
228 100

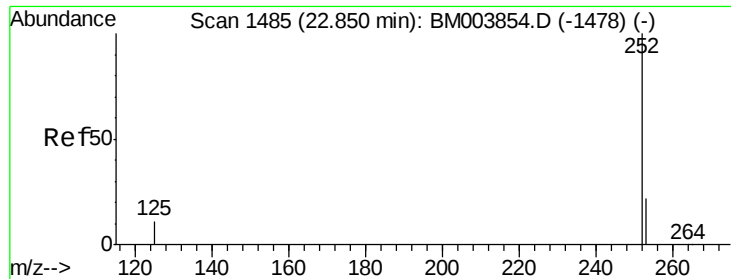
226 31.1 21.2 31.8

229 22.2 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: 22.77 min Scan# 1478

Delta R.T. -0.08 min

Lab File: BM003858.D

Acq: 29 Dec 2015 20:33

Instrument :

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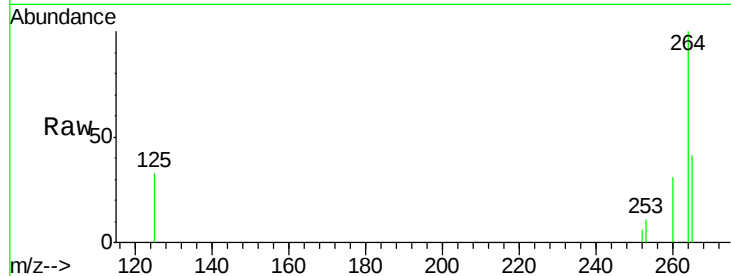
Tot Ion:252 Resp: 64

Ion Ratio Lower Upper

252 100

253 198.8 0.0 45.4#

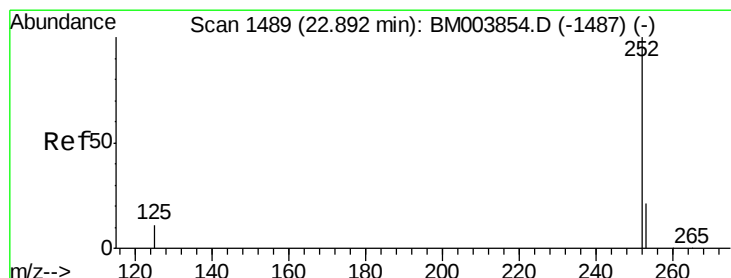
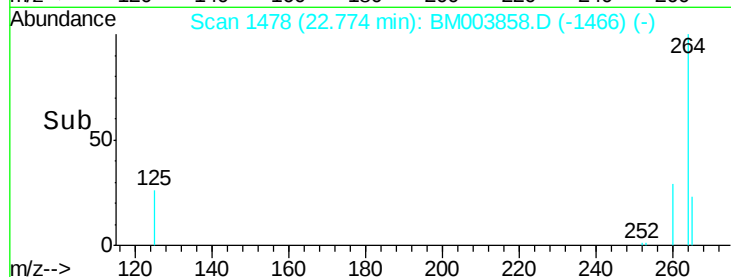
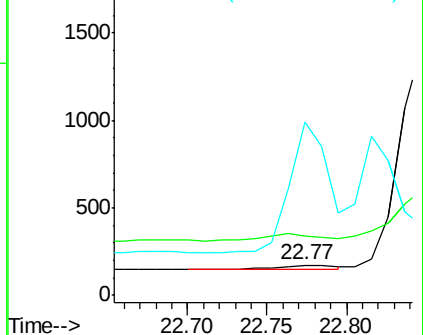
125 577.3 0.0 28.8#



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. -0.05 min

Lab File: BM003858.D

Acq: 29 Dec 2015 20:33

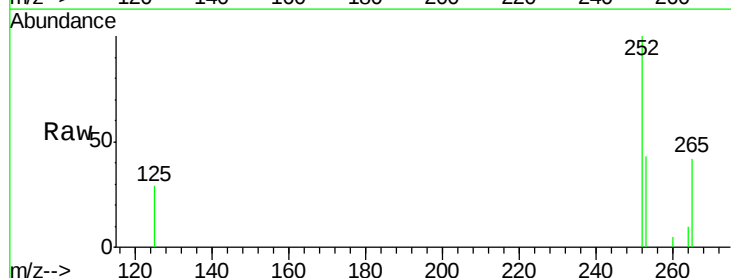
Tgt Ion:252 Resp: 3652

Ion Ratio Lower Upper

252 100

253 43.1 19.8 29.8#

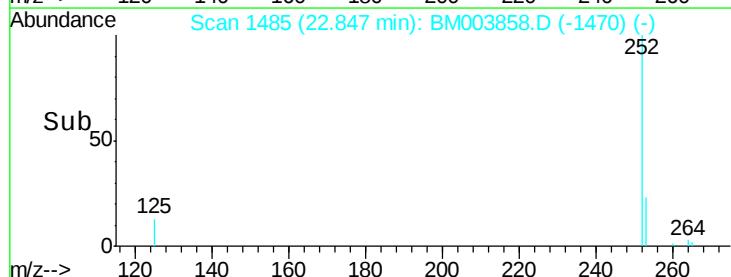
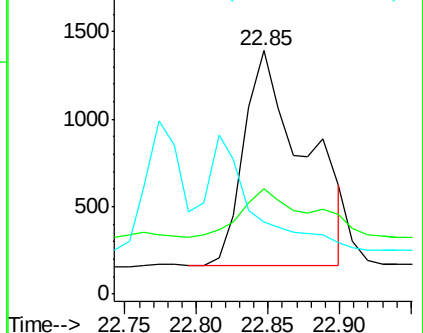
125 29.4 10.4 15.6#

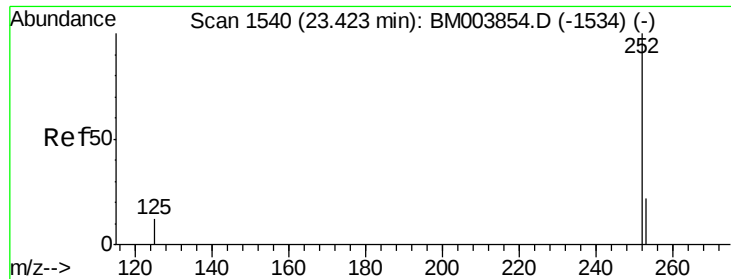


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.38 min Scan# 1536

Delta R.T. -0.05 min

Lab File: BM003858.D

Acq: 29 Dec 2015 20:33

Instrument :

BNA_M

ClientSampleId :

D9N62

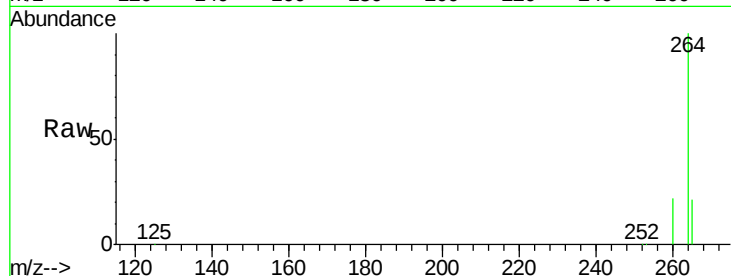
Tot Ion:252 Resp: 8025

Ion Ratio Lower Upper

252 100

253 36.7 19.4 29.2#

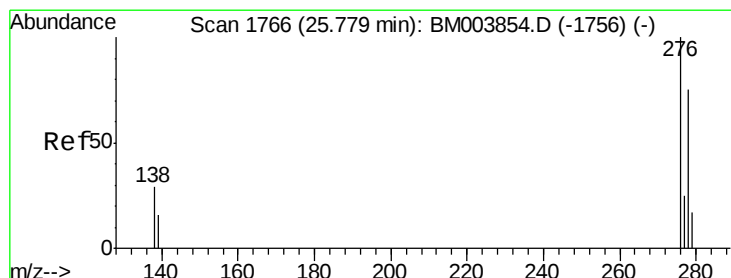
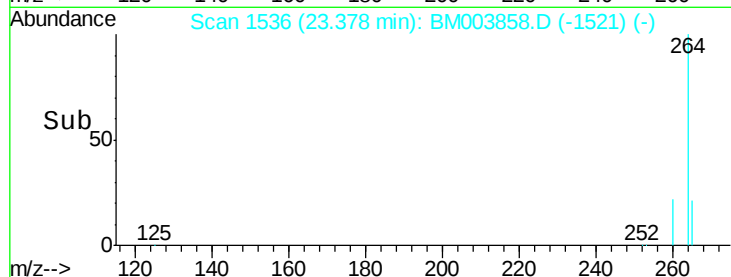
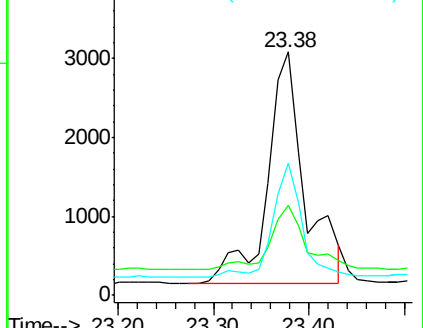
125 54.2 12.7 19.1#



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/u1

RT: 25.54 min Scan# 1743

Delta R.T. -0.24 min

Lab File: BM003858.D

Acq: 29 Dec 2015 20:33

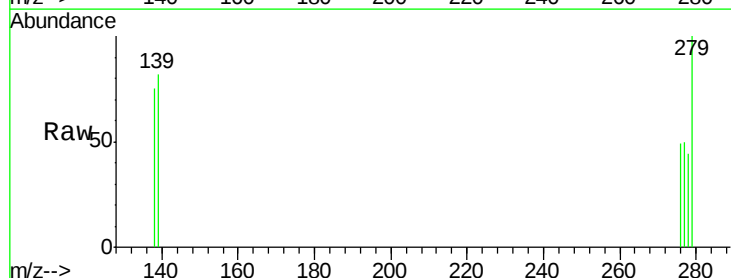
Tgt Ion:276 Resp: 854

Ion Ratio Lower Upper

276 100

138 65.6 16.3 24.5#

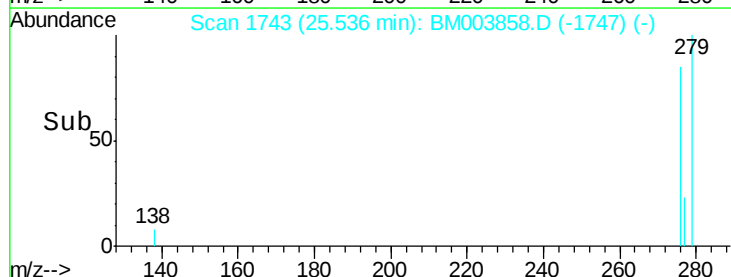
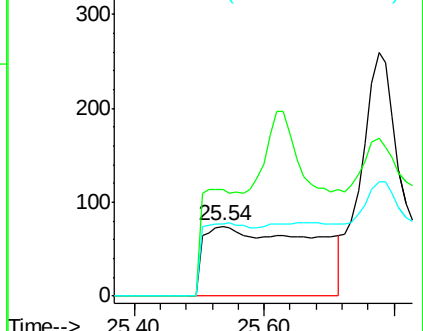
277 0.0 19.8 29.8#

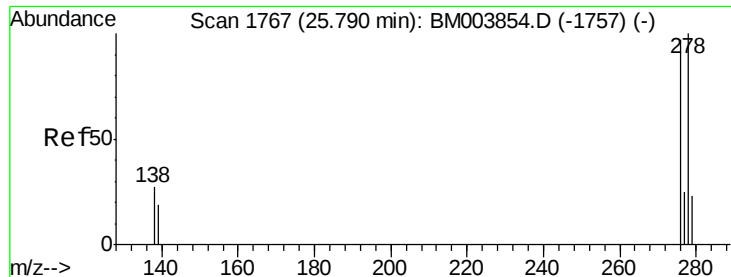


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.63 min Scan# 1752

Delta R.T. -0.16 min

Lab File: BM003858.D

Acq: 29 Dec 2015 20:33

Instrument :

BNA_M

ClientSampleId :

D9N62

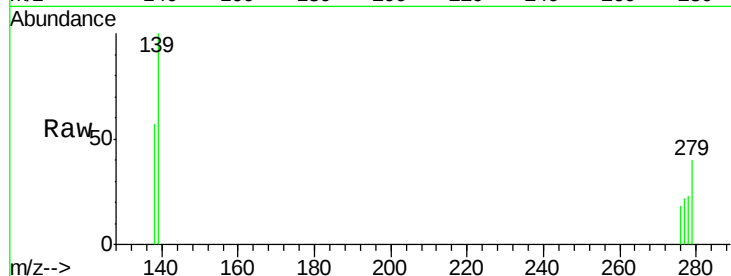
Tot Ion:278 Resp: 1006

Ion Ratio Lower Upper

278 100

139 440.5 16.4 24.6#

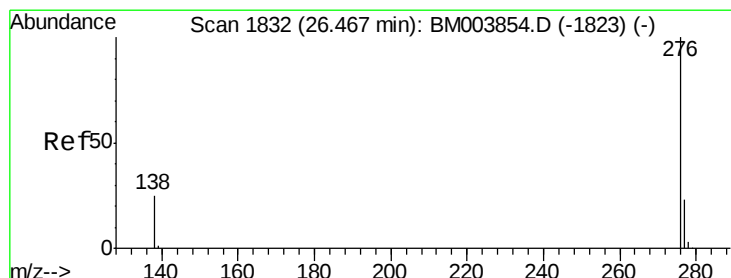
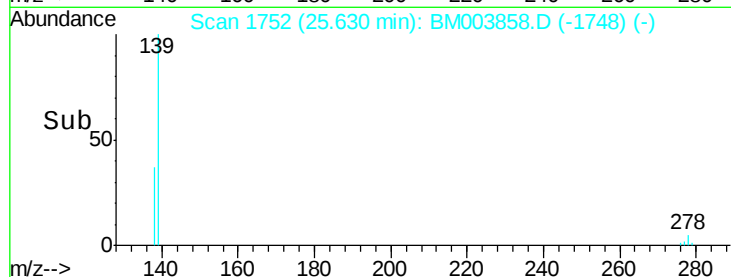
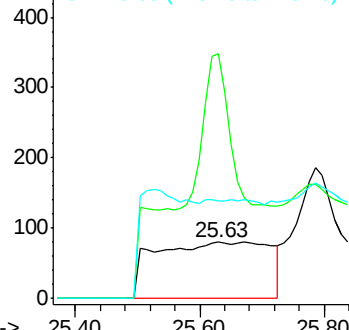
279 174.7 20.2 30.2#



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. -0.18 min

Lab File: BM003858.D

Acq: 29 Dec 2015 20:33

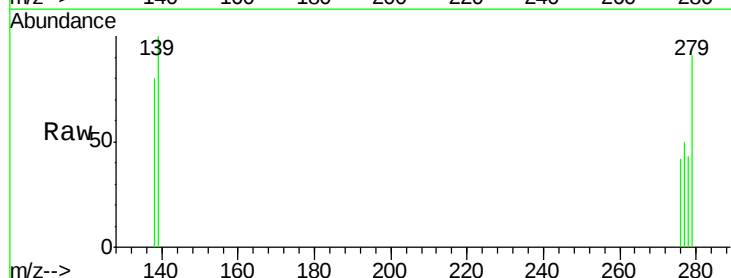
Tgt Ion:276 Resp: 6

Ion Ratio Lower Upper

276 100

277 119.4 18.9 28.3#

138 188.7 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

