

Data Path : Z:\HPCHEM1\BNA M\DATA\BM123115\
 Data File : BM003856.D
 Acq On : 29 Dec 2015 19:21
 Operator : SJ/UM
 Sample : G4848-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N58

Quant Time: Dec 30 03:33:39 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	5049	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	22066	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.33	164	13096	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.18	188	1575215	0.40	ng/ul	0.10
18) Chrysene-d12	21.28	240	22520	0.40	ng/ul	0.00
22) Perylene-d12	23.38	264	1132252	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	22367	10.36	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.06	152	8632	0.33	ng/ul	-0.01
16) Fluoranthene-d10	19.12	212	21508	0.01	ng/ul	0.00

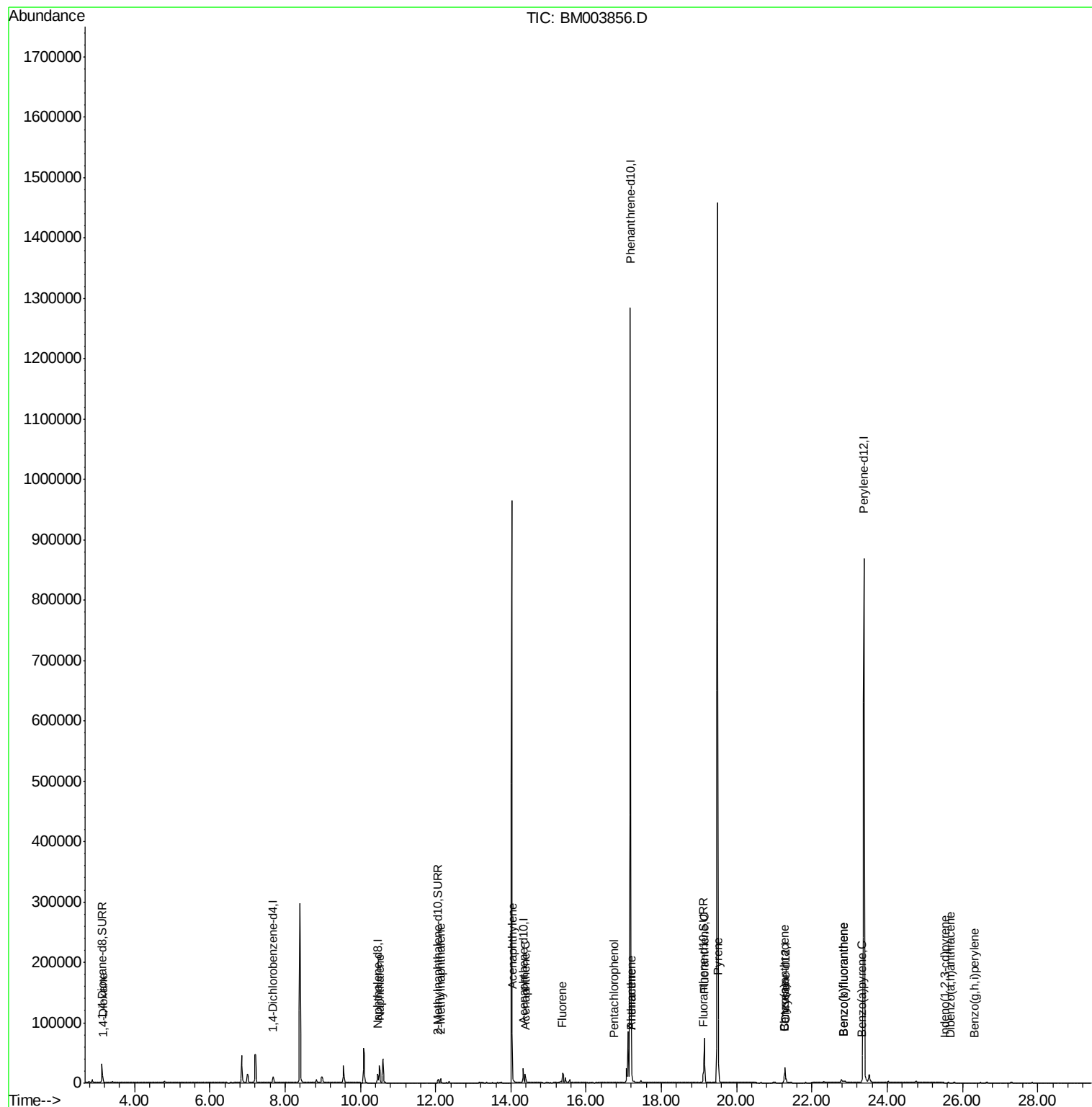
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) 1,4-Dioxane	3.17	88	167	0.06	ng/ul#	1
5) Naphthalene	10.51	128	39547	0.80	ng/ul	98
7) 2-Methylnaphthalene	12.13	142	5264	0.16	ng/ul	98
9) Acenaphthylene	14.04	152	985	0.02	ng/ul#	81
10) Acenaphthene	14.38	153	8793	0.22	ng/ul#	81
11) Fluorene	15.38	166	16825	0.38	ng/ul#	75
13) Pentachlorophenol	16.75	266	319	0.00	ng/ul	93
14) Phenanthrene	17.21	178	10119	0.00	ng/ul	96
15) Anthracene	17.21	178	10089	0.00	ng/ul	96
17) Fluoranthene	19.14	202	67396	0.02	ng/ul	99
19) Pyrene	19.51	202	49776	0.82	ng/ul	99
20) Benzo(a)anthracene	21.26	228	7831	0.14	ng/ul#	94
21) Chrysene	21.26	228	7804	0.12	ng/ul	97
23) Benzo(b)fluoranthene	22.85	252	2920	0.00	ng/ul	64
24) Benzo(k)fluoranthene	22.85	252	4852	0.00	ng/ul#	66
25) Benzo(a)pyrene	23.33	252	1548	0.00	ng/ul#	26
26) Indeno(1,2,3-cd)pyrene	25.54	276	953	0.00	ng/ul#	30
27) Dibenzo(a,h)anthracene	25.68	278	1097	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.31	276	36	0.00	ng/ul#	1

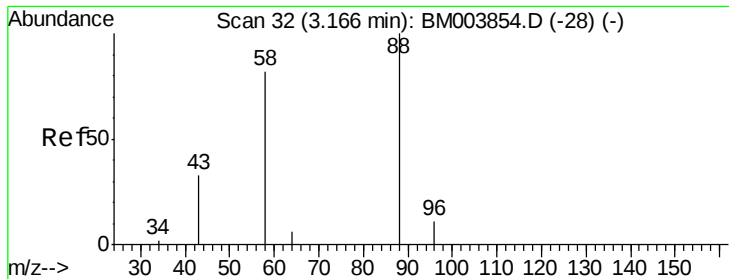
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.06 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. -0.00 min

Lab File: BM003856.D

Acq: 29 Dec 2015 19:21

Instrument :

BNA_M

ClientSampleId :

D9N58

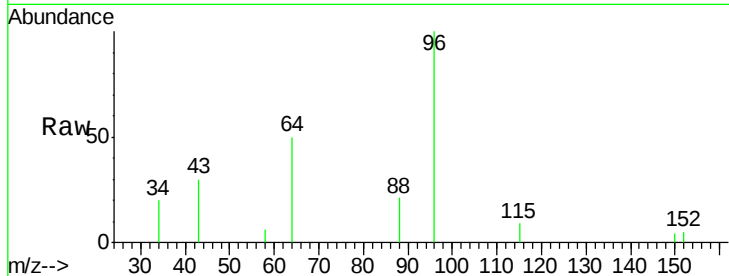
Tot Ion: 88 Resp: 167

Ion Ratio Lower Upper

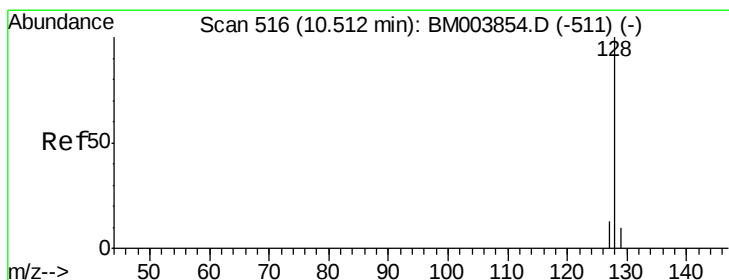
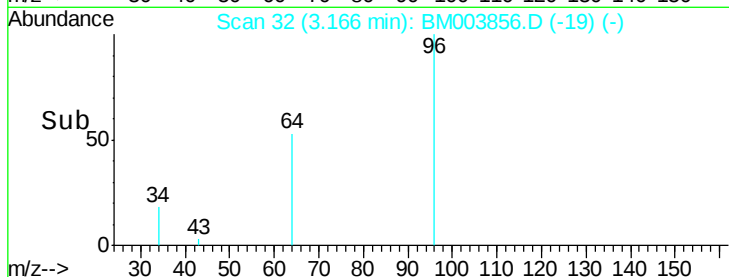
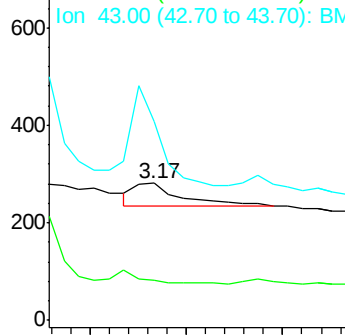
88 100

58 0.0 8.0 12.0#

43 272.5 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM003856.D (-19) (-)



#5

Naphthalene

Concen: 0.80 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.00 min

Lab File: BM003856.D

Acq: 29 Dec 2015 19:21

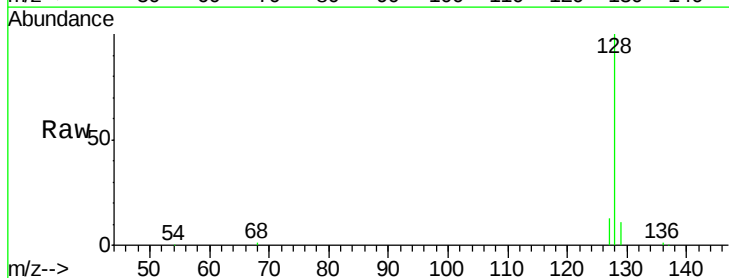
Tgt Ion: 128 Resp: 39547

Ion Ratio Lower Upper

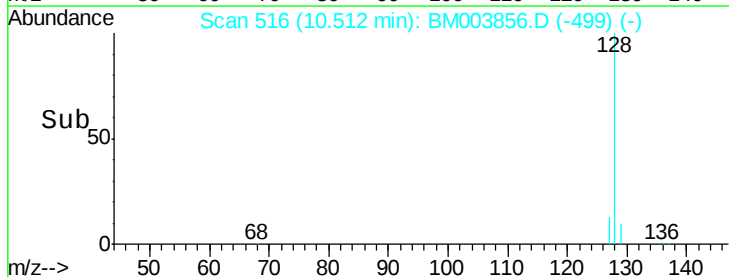
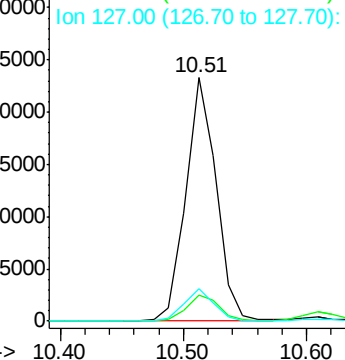
128 100

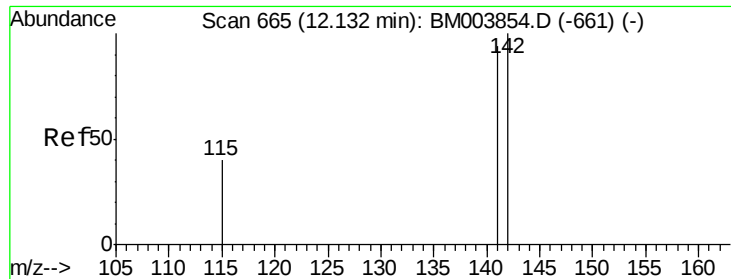
129 10.9 9.0 13.6

127 13.3 9.6 14.4



Abundance Ion 128.00 (127.70 to 128.70): BM003856.D (-499) (-)





#7

2-Methylnaphthalene

Concen: 0.16 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.00 min

Lab File: BM003856.D

Acq: 29 Dec 2015 19:21

Instrument :

BNA_M

ClientSampleId :

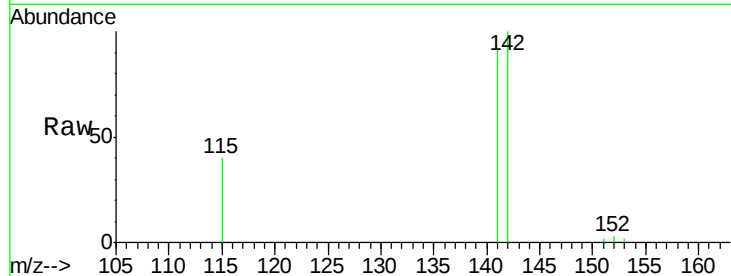
D9N58

Tot Ion:142 Resp: 5264

Ion Ratio Lower Upper

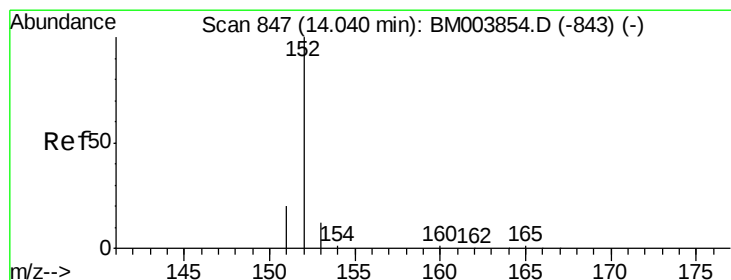
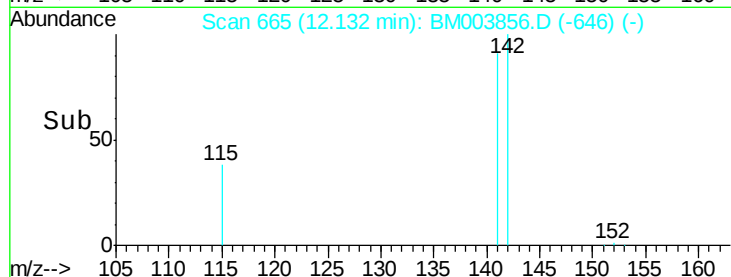
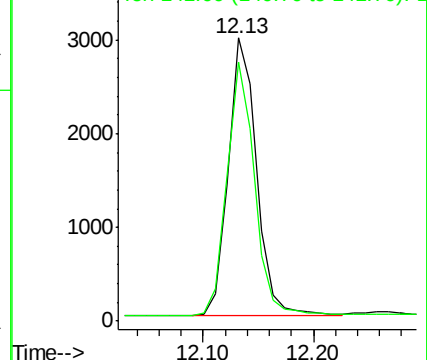
142 100

141 89.5 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: 0.02 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM003856.D

Acq: 29 Dec 2015 19:21

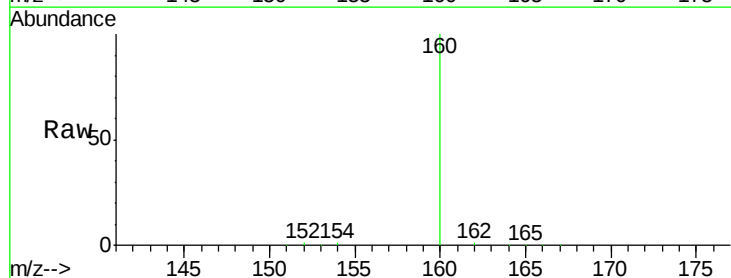
Tgt Ion:152 Resp: 985

Ion Ratio Lower Upper

152 100

151 27.9 17.6 26.4#

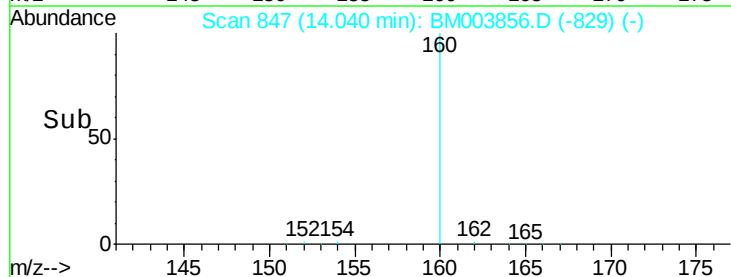
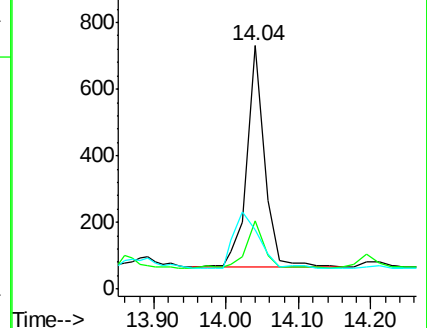
153 24.1 9.7 14.5#

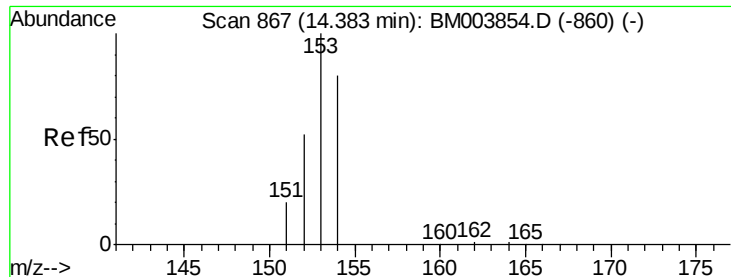


Abundance Ion 152.00 (151.70 to 152.70): E

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: BM003856.D

Acq: 29 Dec 2015 19:21

Instrument :

BNA_M

ClientSampleId :

D9N58

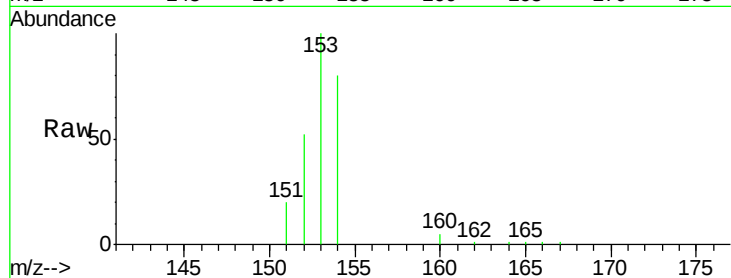
Tot Ion:153 Resp: 8793

Ion Ratio Lower Upper

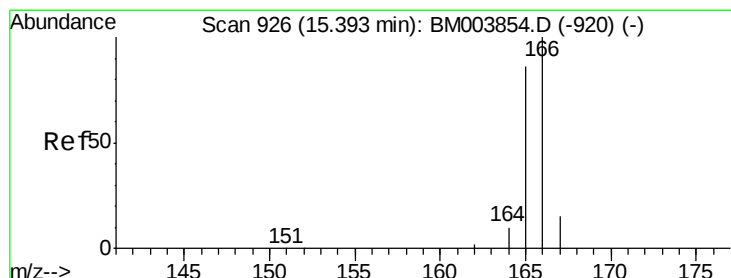
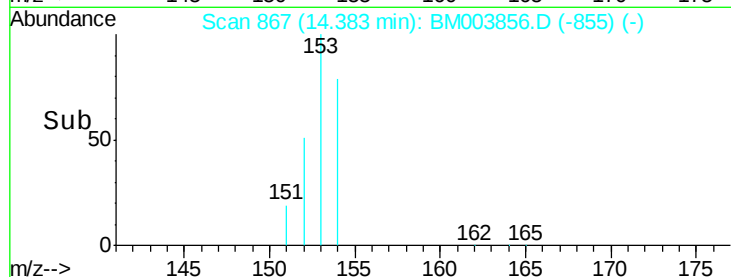
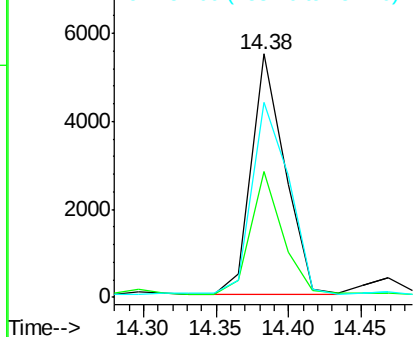
153 100

152 51.9 33.9 50.9#

154 79.8 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: 0.38 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM003856.D

Acq: 29 Dec 2015 19:21

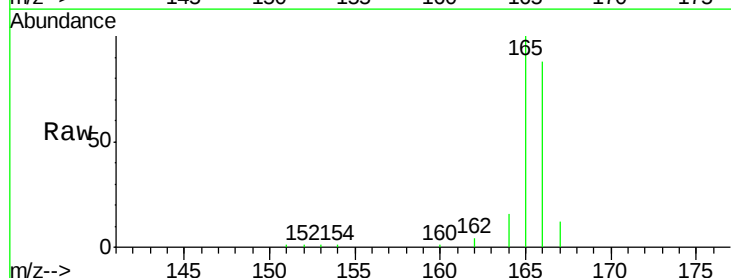
Tgt Ion:166 Resp: 16825

Ion Ratio Lower Upper

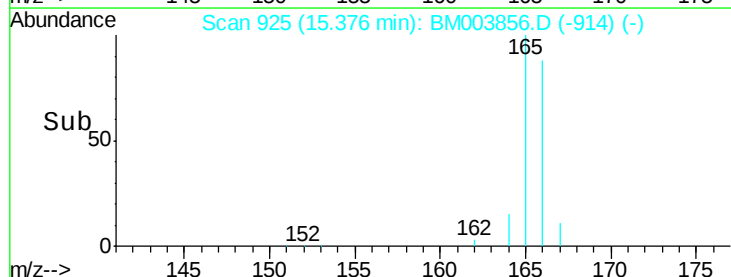
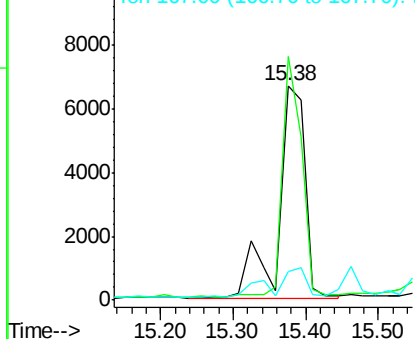
166 100

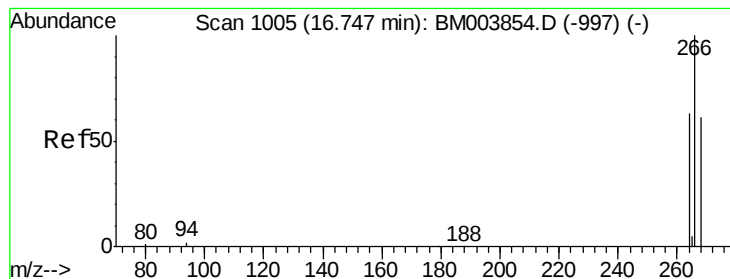
165 113.6 69.6 104.4#

167 13.6 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: BM003856.D

Acq: 29 Dec 2015 19:21

Instrument :

BNA_M

ClientSampleId :

D9N58

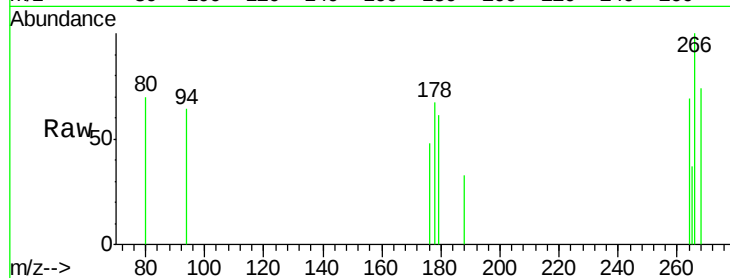
Tot Ion:266 Resp: 319

Ion Ratio Lower Upper

266 100

264 64.3 51.8 77.8

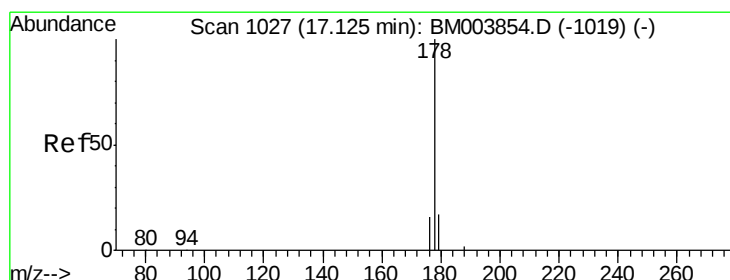
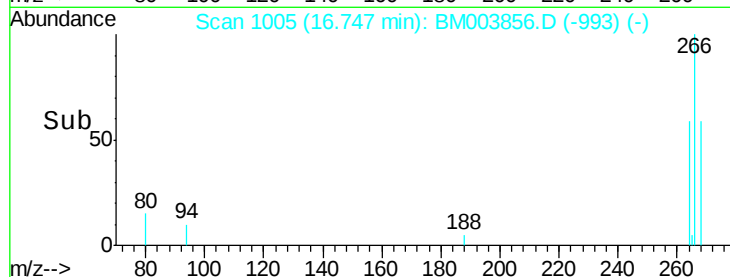
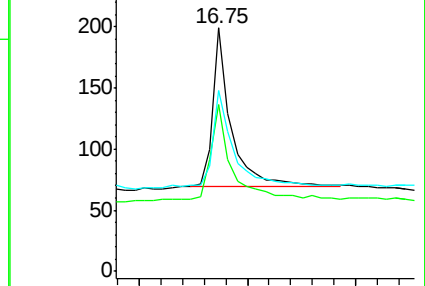
268 69.3 46.8 70.2



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: BM003856.D

Acq: 29 Dec 2015 19:21

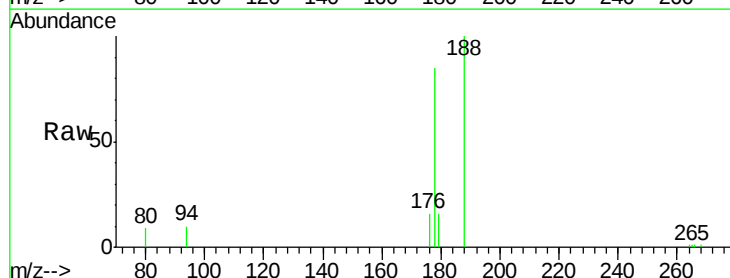
Tgt Ion:178 Resp: 10119

Ion Ratio Lower Upper

178 100

176 18.2 13.0 19.4

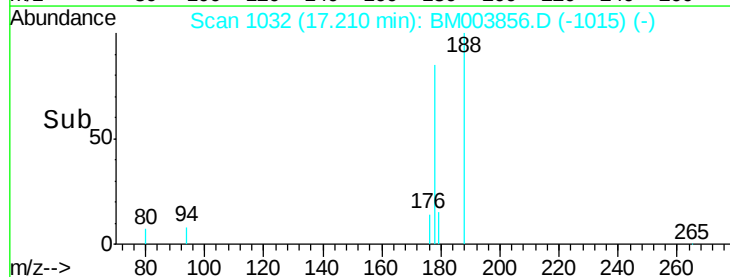
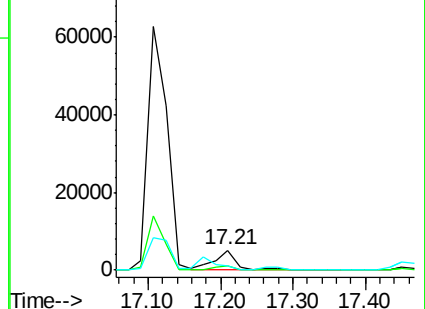
179 19.1 14.2 21.2

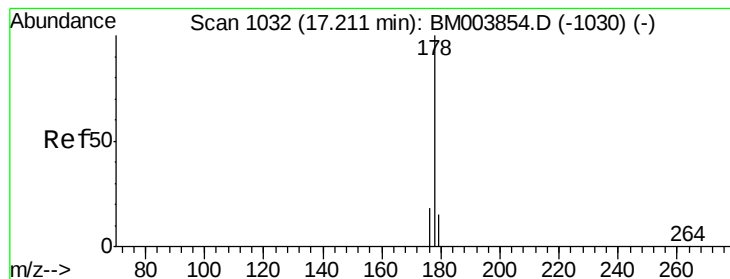


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.00 ng/u1

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM003856.D

Acq: 29 Dec 2015 19:21

Instrument :

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ClientSampleId :

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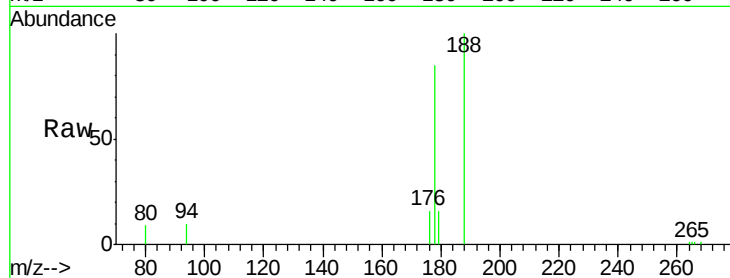
Tot Ion:178 Resp: 10089

Ion Ratio Lower Upper

178 100

176 18.2 14.0 21.0

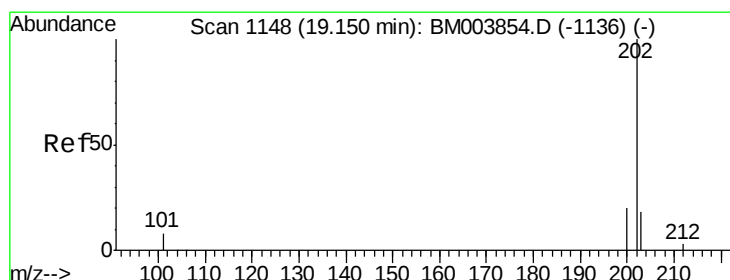
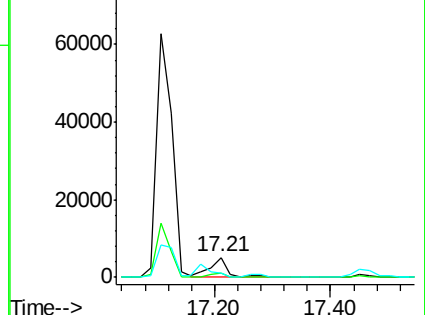
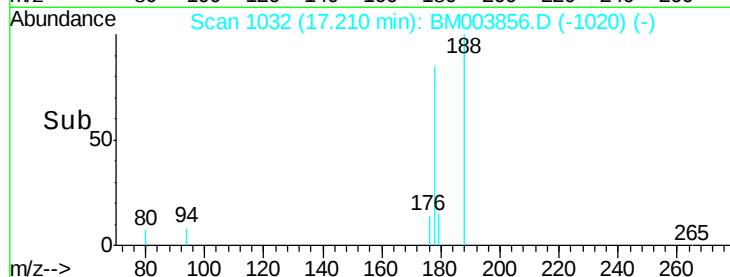
179 19.1 12.9 19.3



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. -0.01 min

Lab File: BM003856.D

Acq: 29 Dec 2015 19:21

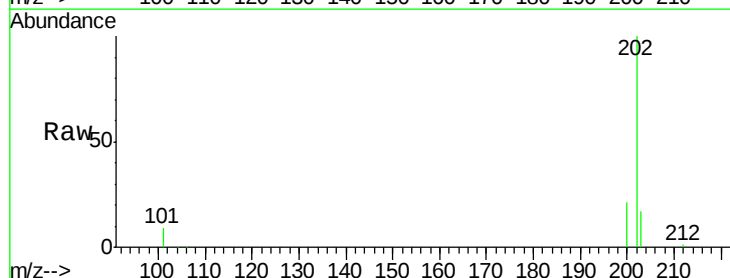
Tgt Ion:202 Resp: 67396

Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.6

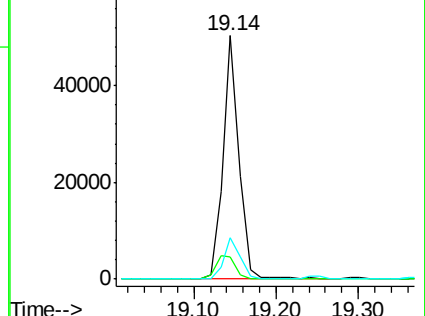
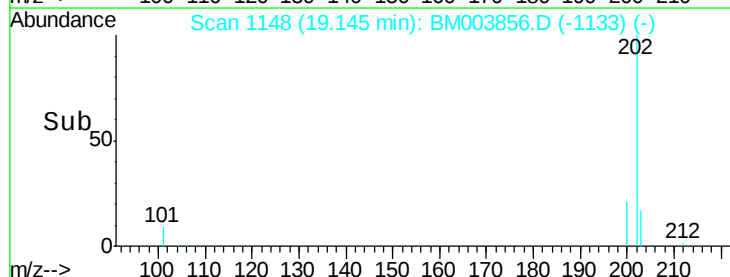
203 17.1 0.0 36.3

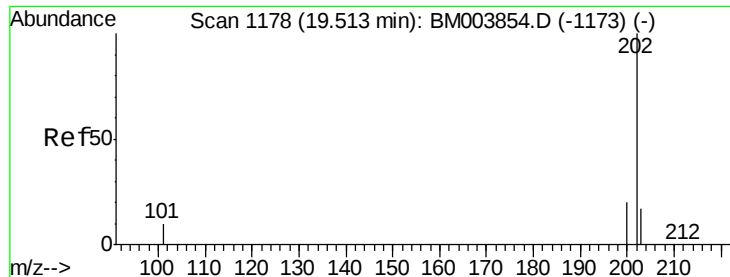


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.82 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BM003856.D

Acq: 29 Dec 2015 19:21

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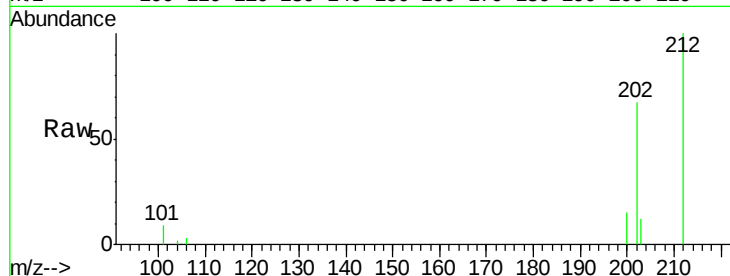
Tot Ion:202 Resp: 49776

Ion Ratio Lower Upper

202 100

200 22.2 17.8 26.8

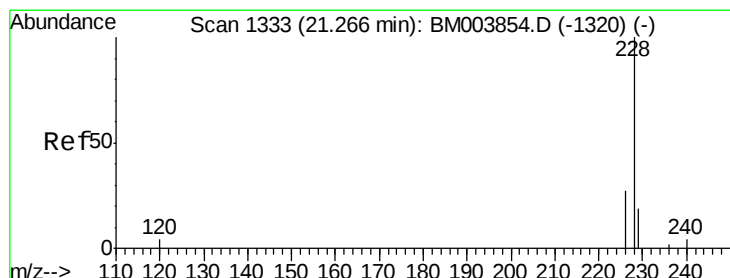
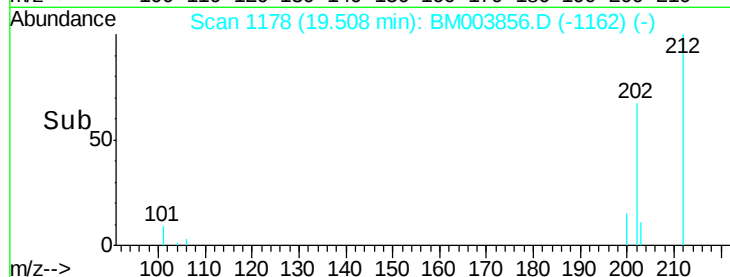
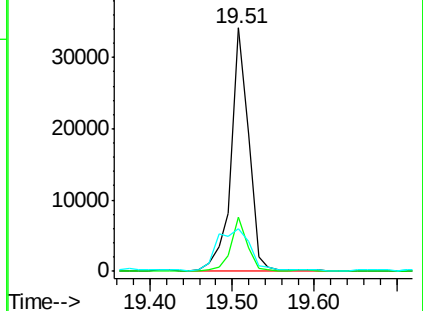
203 17.3 12.8 19.2



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: 0.14 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM003856.D

Acq: 29 Dec 2015 19:21

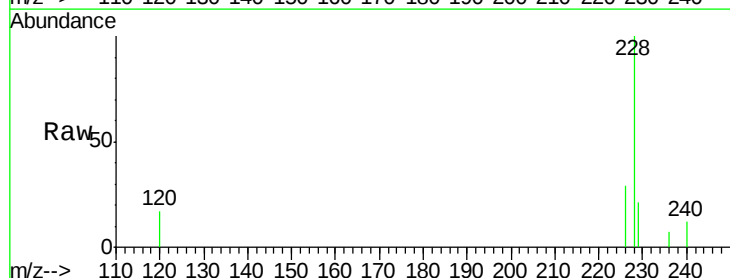
Tgt Ion:228 Resp: 7831

Ion Ratio Lower Upper

228 100

226 29.0 18.8 28.2#

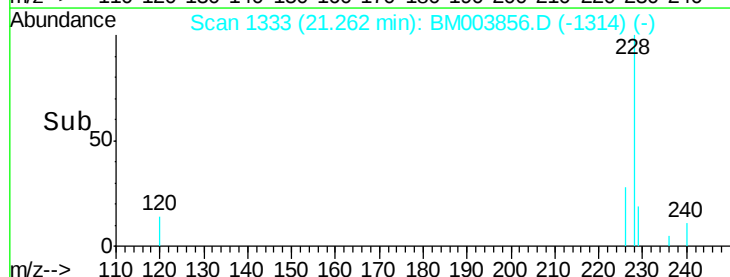
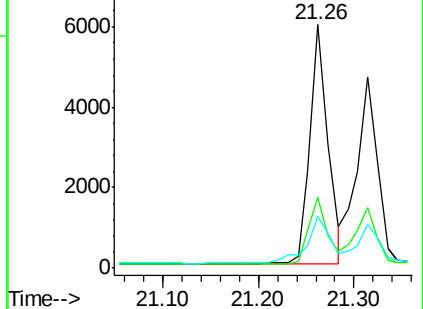
229 21.3 17.1 25.7

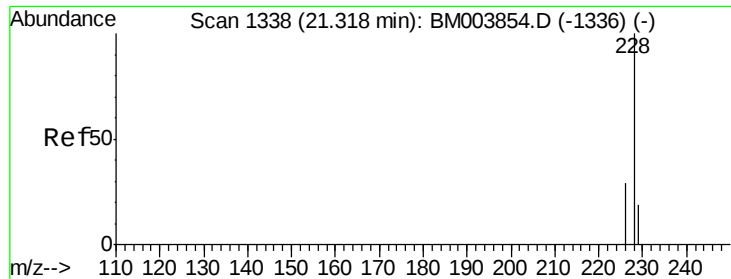


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.12 ng/uL

RT: 21.26 min Scan# 1333

Delta R.T. -0.06 min

Lab File: BM003856.D

Acq: 29 Dec 2015 19:21

Instrument :

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D9N58

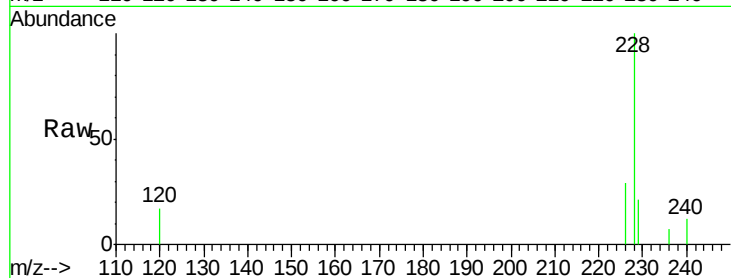
Tot Ion:228 Resp: 7804

Ion Ratio Lower Upper

228 100

226 29.0 21.2 31.8

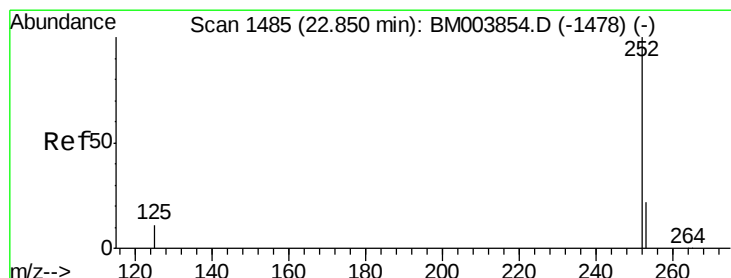
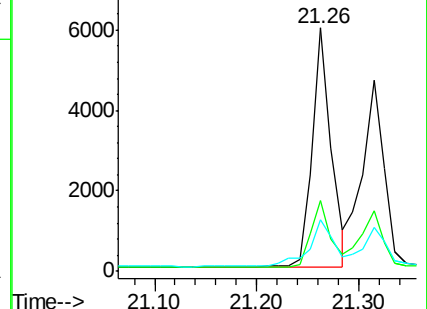
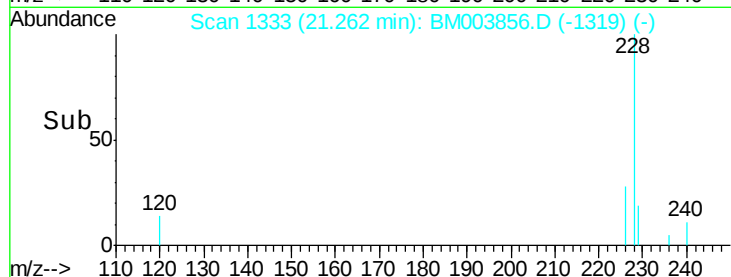
229 21.3 17.0 25.6



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: BM003856.D

Acq: 29 Dec 2015 19:21

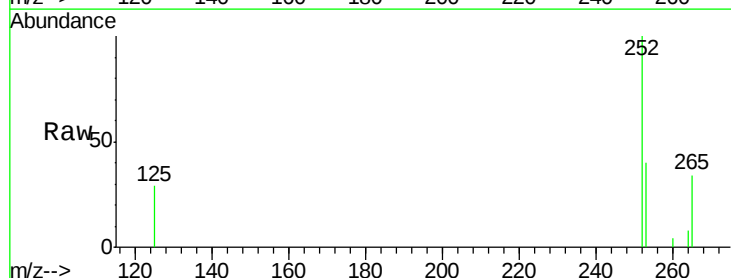
Tgt Ion:252 Resp: 2920

Ion Ratio Lower Upper

252 100

253 40.2 0.0 45.4

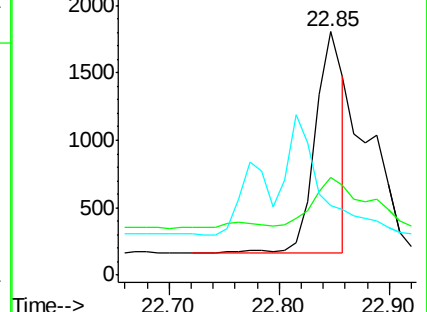
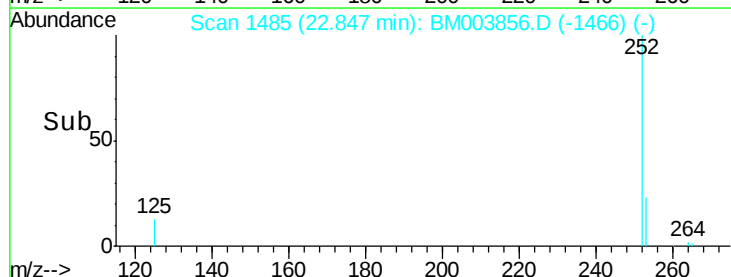
125 28.7 0.0 28.8

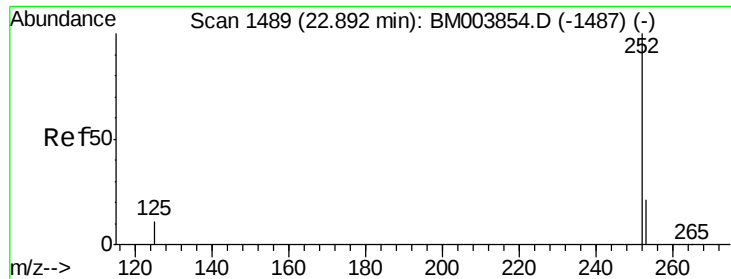


Abundance Ion 252.00 (251.70 to 252.70): E

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. -0.05 min

Lab File: BM003856.D

Acq: 29 Dec 2015 19:21

Instrument :

BNA_M

ClientSampleId :

D9N58

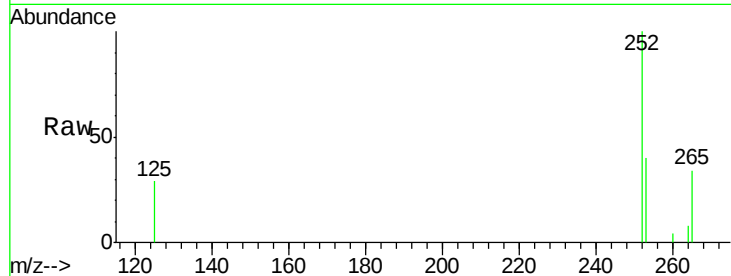
Tot Ion:252 Resp: 4852

Ion Ratio Lower Upper

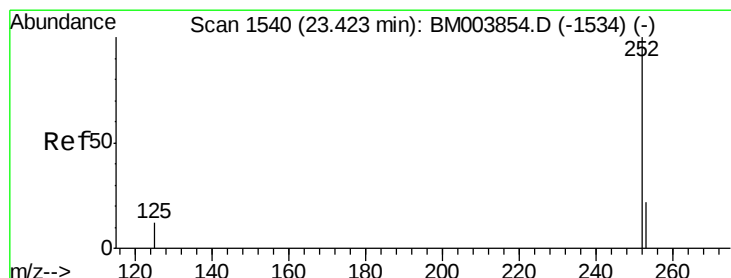
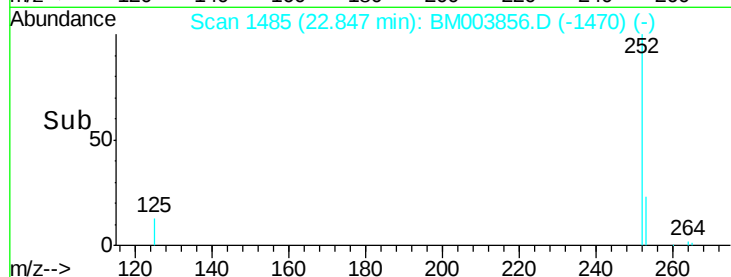
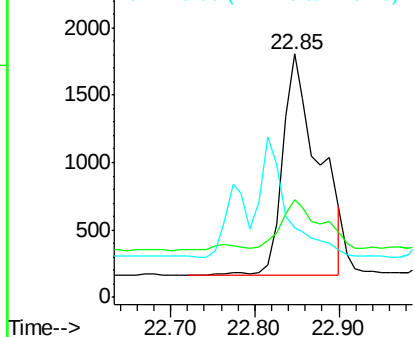
252 100

253 40.2 19.8 29.8#

125 28.7 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. -0.10 min

Lab File: BM003856.D

Acq: 29 Dec 2015 19:21

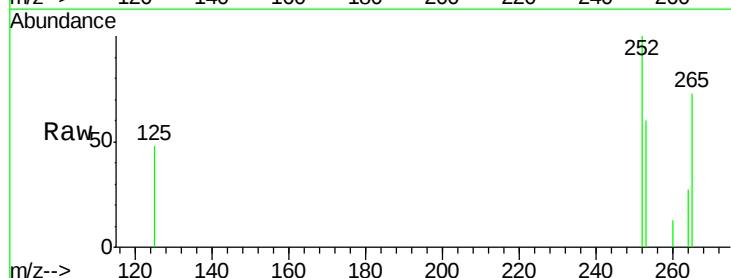
Tgt Ion:252 Resp: 1548

Ion Ratio Lower Upper

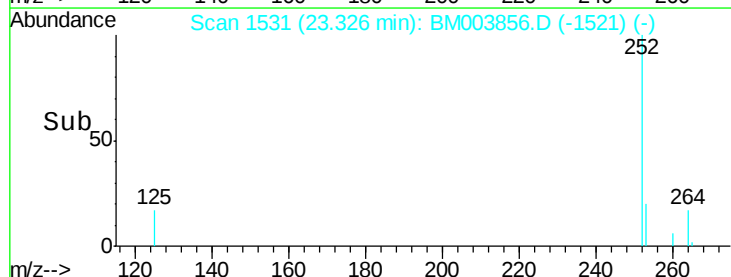
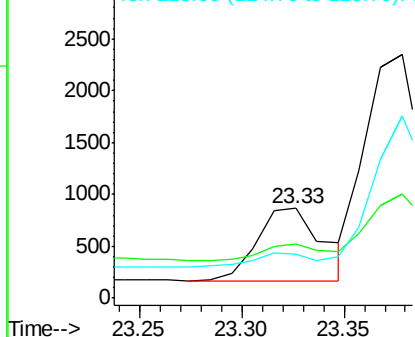
252 100

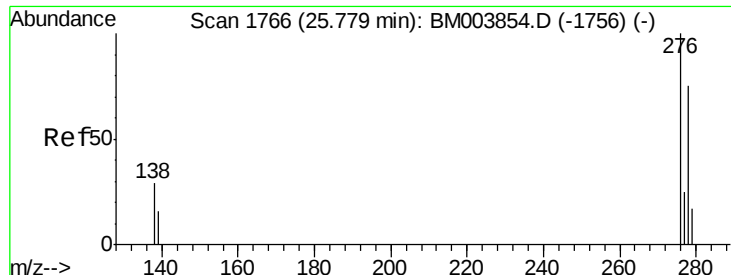
253 60.3 19.4 29.2#

125 48.4 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. -0.24 min

Lab File: BM003856.D

Acq: 29 Dec 2015 19:21

Instrument :

BNA_M

ClientSampleId :

D9N58

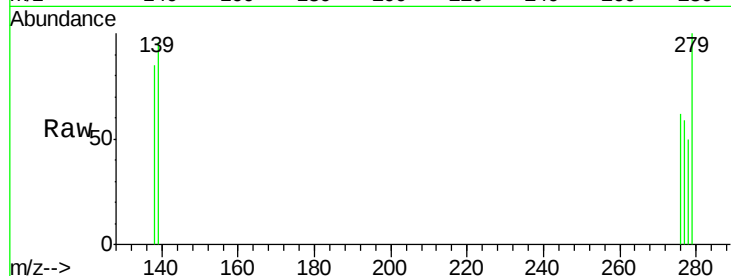
Tot Ion:276 Resp: 953

Ion Ratio Lower Upper

276 100

138 63.9 16.3 24.5#

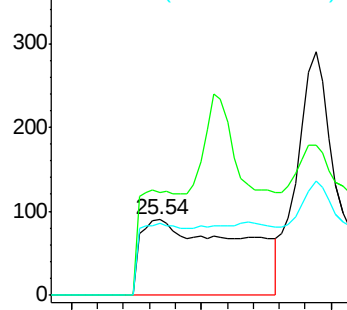
277 0.0 19.8 29.8#



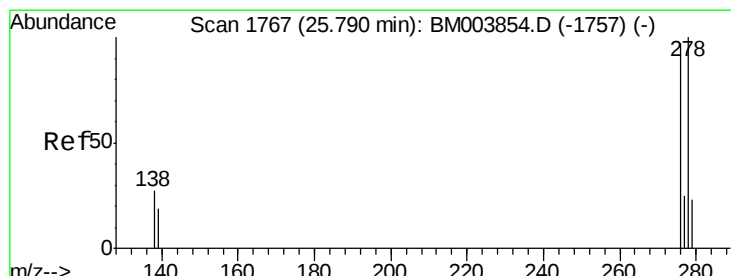
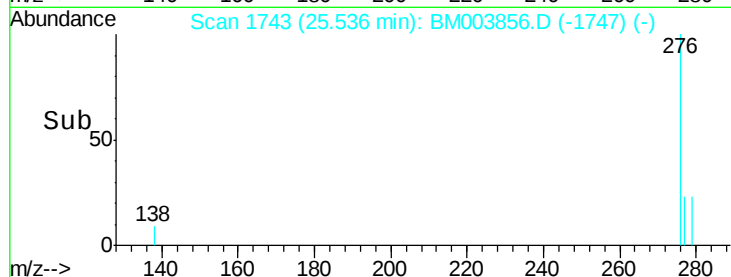
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time--> 25.40 25.60



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.68 min Scan# 1757

Delta R.T. -0.11 min

Lab File: BM003856.D

Acq: 29 Dec 2015 19:21

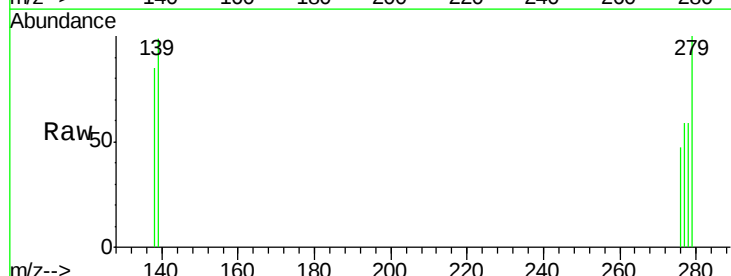
Tgt Ion:278 Resp: 1097

Ion Ratio Lower Upper

278 100

139 166.7 16.4 24.6#

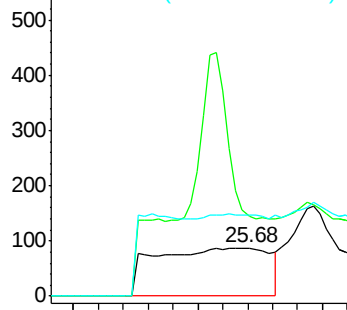
279 169.0 20.2 30.2#



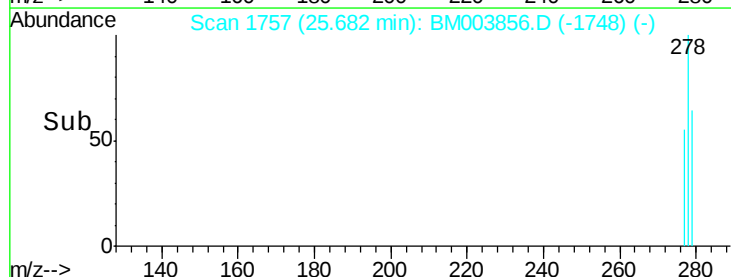
Abundance Ion 278.00 (277.70 to 278.70): E

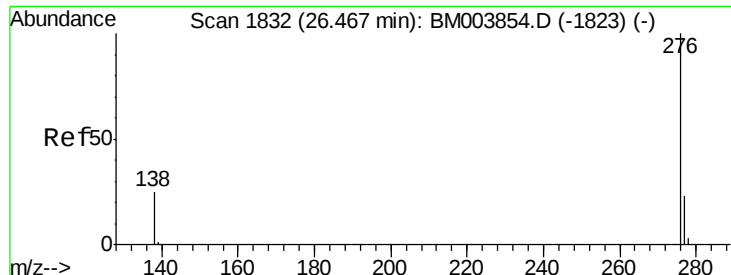
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 25.40 25.60 25.80





#28

Benzo(a,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.31 min Scan# 1817

Delta R.T. -0.16 min

Lab File: BM003856.D

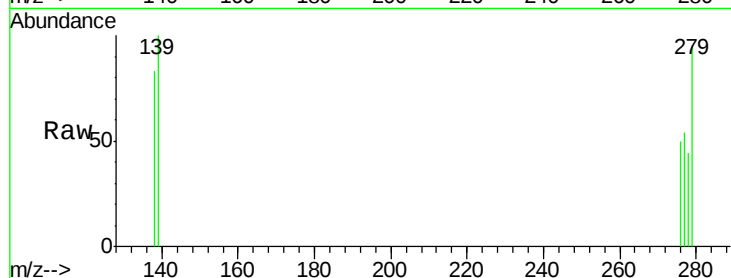
Acq: 29 Dec 2015 19:21

Instrument :

BNA_M

ClientSampleId :

D9N58



Tot Ion: 276 Resp: 36

Ion Ratio Lower Upper

276 100

277 106.7 18.9 28.3#

138 164.0 22.5 33.7#

