

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
 Data File : BM008259.D
 Acq On : 12 Dec 2016 12:30
 Operator : UM/SJ
 Sample : H5863-09DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7Y8DL

Quant Time: Dec 13 02:30:04 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 13 02:27:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	520	0.40	ng/ul	0.00
2) Naphthalene-d8	10.46	136	1778	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1074	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2059	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	1834	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	1637	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.07	152	71	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.11	212	321	0.06	ng/ul	-0.01

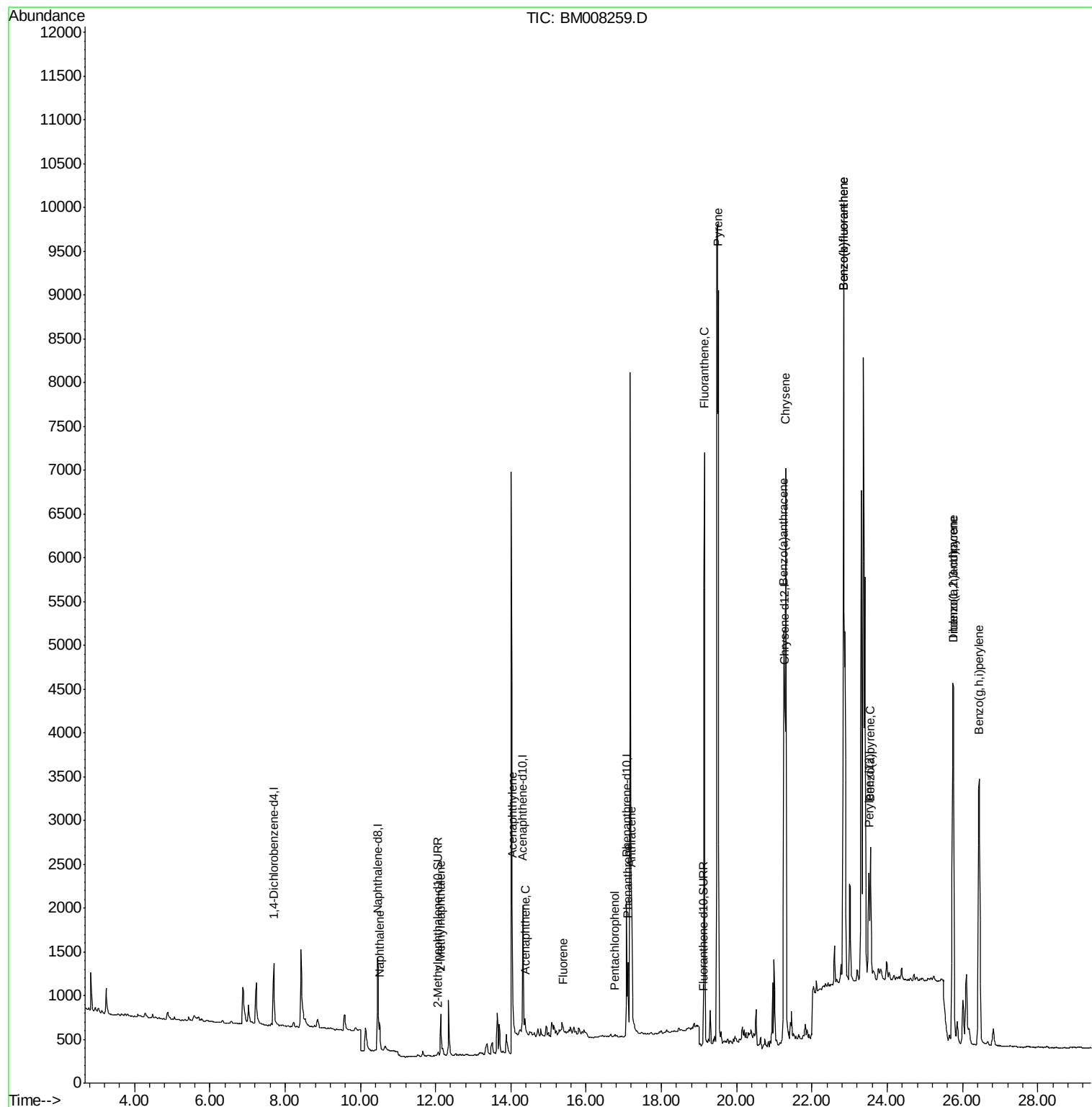
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	500	0.10	ng/ul#	69
5) 2-Methylnaphthalene	12.14	142	455	0.14	ng/ul	99
7) Acenaphthylene	14.04	152	1430	0.29	ng/ul	95
8) Acenaphthene	14.38	153	118	0.03	ng/ul#	85
9) Fluorene	15.39	166	88	0.02	ng/ul#	66
11) Pentachlorophenol	16.76	266	26	0.04	ng/ul	93
12) Phenanthrene	17.11	178	1044	0.16	ng/ul#	90
13) Anthracene	17.21	178	1413	0.23	ng/ul#	96
15) Fluoranthene	19.14	202	7609	0.92	ng/ul	95
17) Pyrene	19.51	202	8630	1.36	ng/ul	97
18) Benzo(a)anthracene	21.25	228	4813	0.86	ng/ul	96
19) Chrysene	21.30	228	8108	1.16	ng/ul	92
21) Benzo(b)fluoranthene	22.84	252	19579	3.00	ng/ul	84
22) Benzo(k)fluoranthene	22.84	252	19579	2.91	ng/ul#	86
23) Benzo(a)pyrene	23.56	252	1866	0.30	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.74	276	7574	1.00	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.76	278	1855	0.31	ng/ul#	92
26) Benzo(g,h,i)perylene	26.44	276	6850	1.02	ng/ul#	90

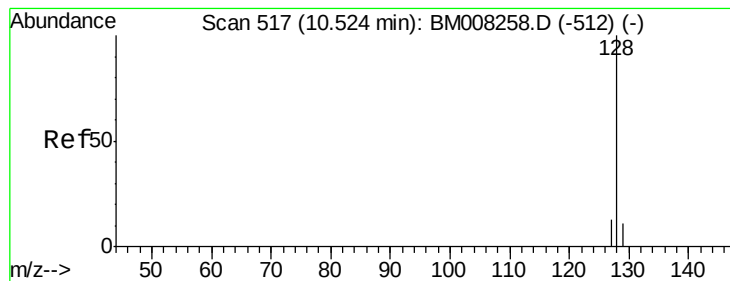
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008259.D

Acq: 12 Dec 2016 12:30

Instrument :

BNA_M

ClientSampleId :

DA7Y8DL

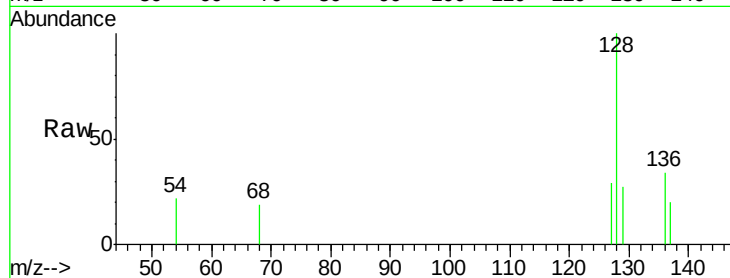
Tgt Ion:128 Resp: 500

Ion Ratio Lower Upper

128 100

129 27.1 11.3 16.9#

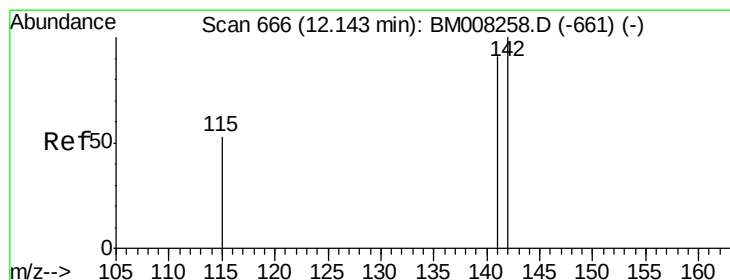
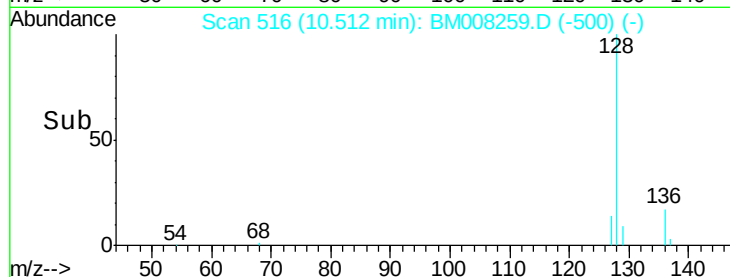
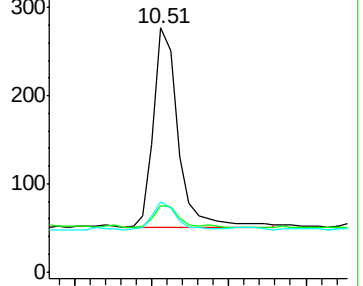
127 28.5 12.8 19.2#



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



#5

2-Methylnaphthalene

Concen: 0.14 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. 0.00 min

Lab File: BM008259.D

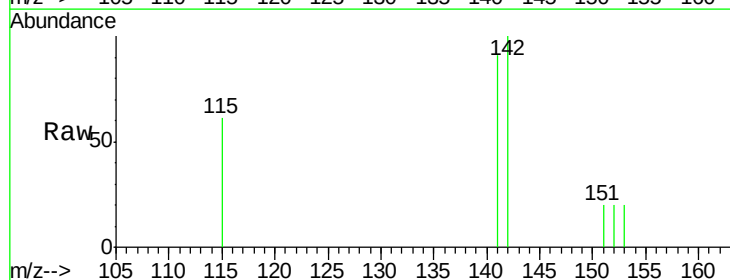
Acq: 12 Dec 2016 12:30

Tgt Ion:142 Resp: 455

Ion Ratio Lower Upper

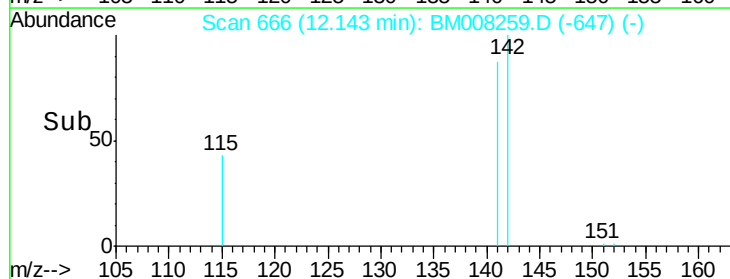
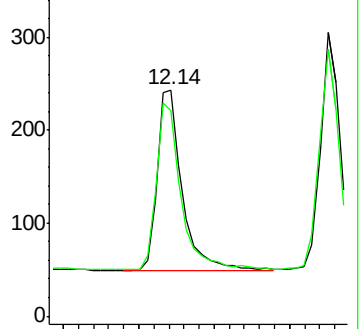
142 100

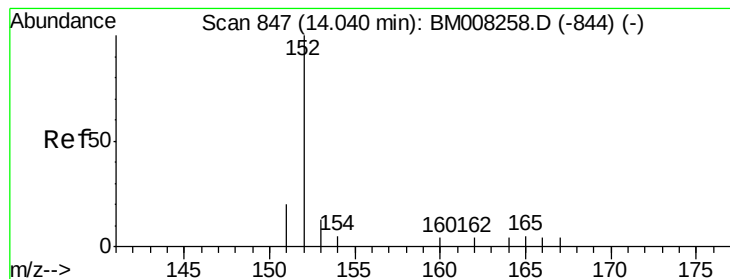
141 91.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.29 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM008259.D

Acq: 12 Dec 2016 12:30

Instrument :

BNA_M

ClientSampleId :

DA7Y8DL

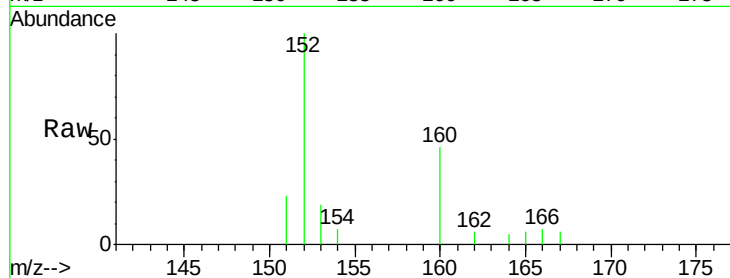
Tgt Ion:152 Resp: 1430

Ion Ratio Lower Upper

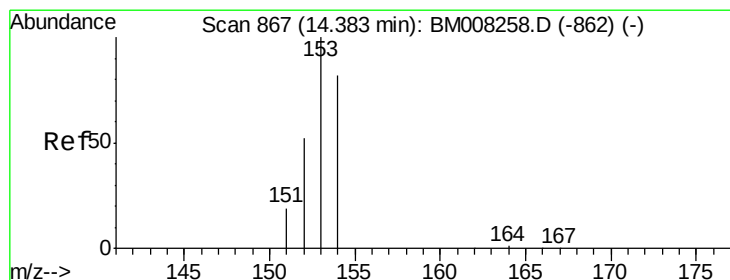
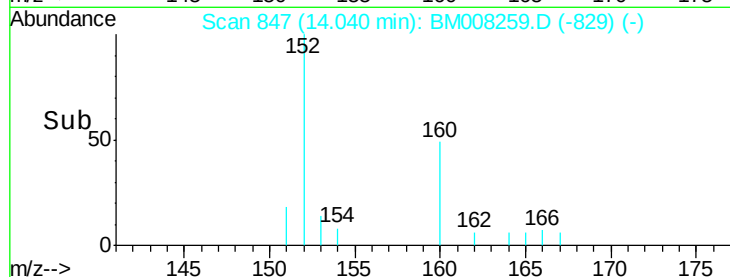
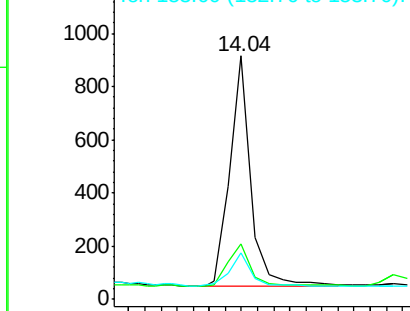
152 100

151 22.6 17.1 25.7

153 19.1 12.8 19.2



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



#8

Acenaphthene

Concen: 0.03 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM008259.D

Acq: 12 Dec 2016 12:30

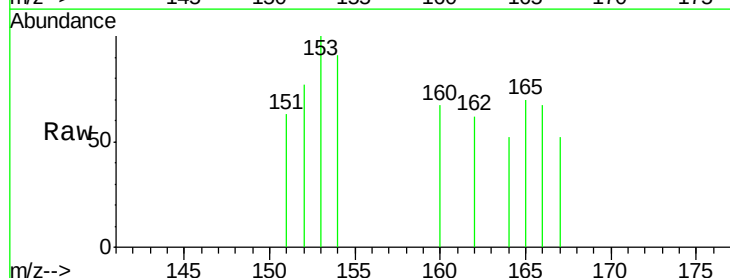
Tgt Ion:153 Resp: 118

Ion Ratio Lower Upper

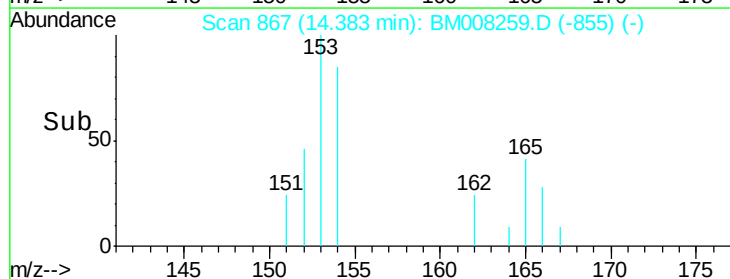
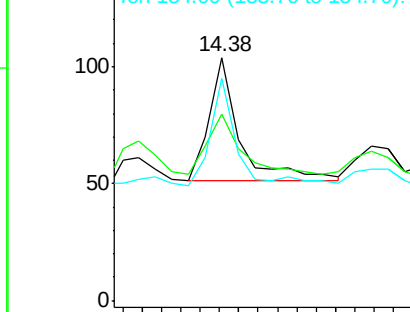
153 100

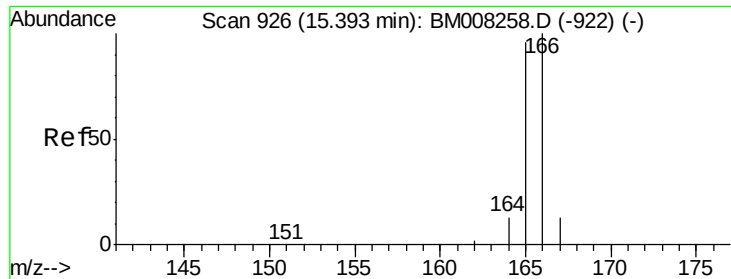
152 76.9 40.3 60.5#

154 91.3 71.4 107.2



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





#9

Fluorene

Concen: 0.02 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. 0.00 min

Lab File: BM008259.D

Acq: 12 Dec 2016 12:30

Instrument :

BNA_M

ClientSampleId :

DA7Y8DL

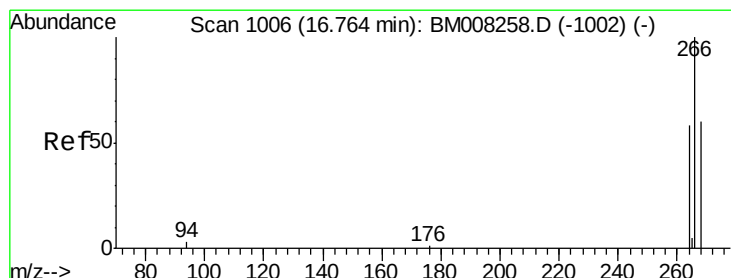
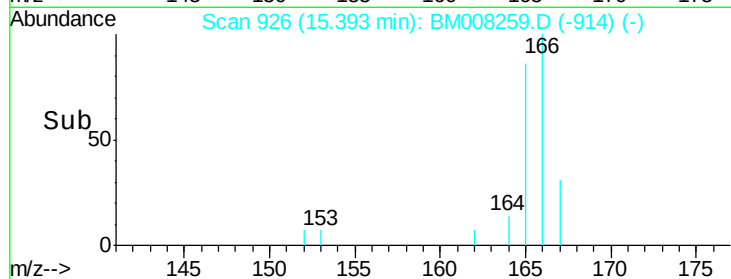
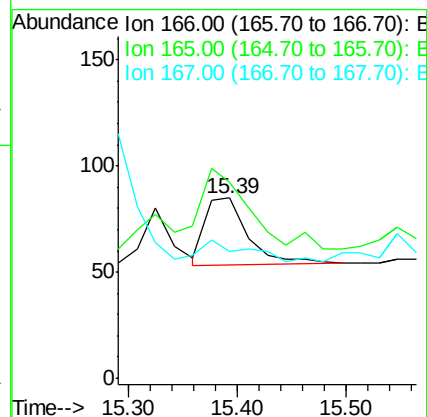
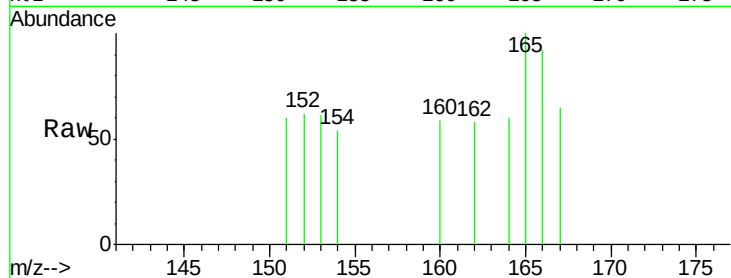
Tgt Ion:166 Resp: 88

Ion Ratio Lower Upper

166 100

165 108.2 73.4 110.2

167 70.6 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.04 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BM008259.D

Acq: 12 Dec 2016 12:30

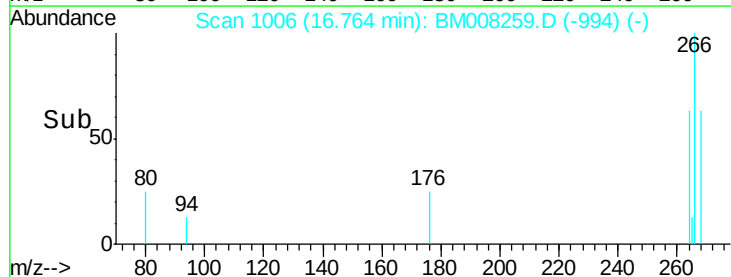
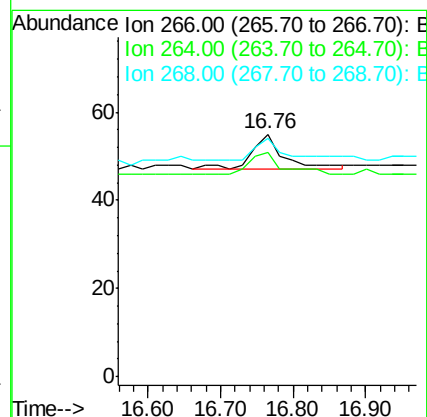
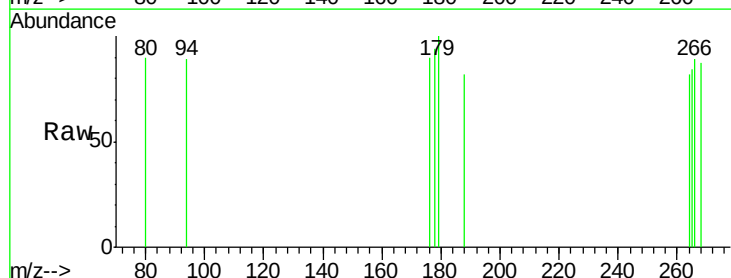
Tgt Ion:266 Resp: 26

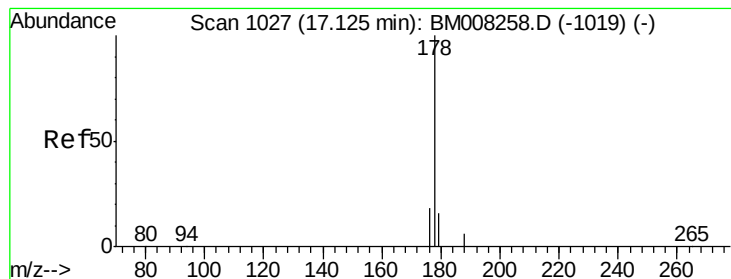
Ion Ratio Lower Upper

266 100

264 53.8 47.9 71.9

268 57.7 49.8 74.8





#12

Phenanthrene

Concen: 0.16 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM008259.D

Acq: 12 Dec 2016 12:30

Instrument :

BNA_M

ClientSampleId :

DA7Y8DL

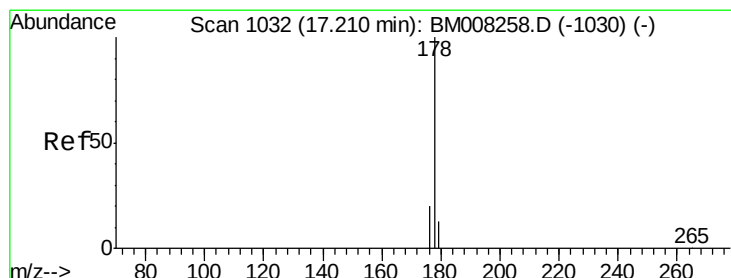
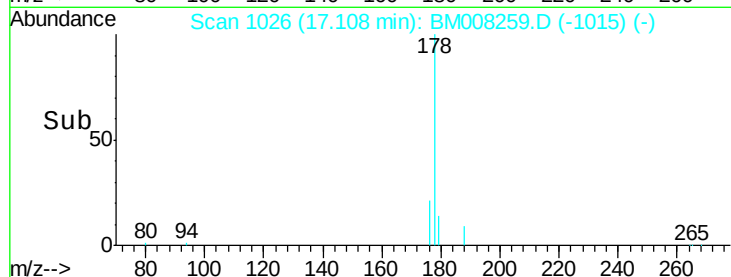
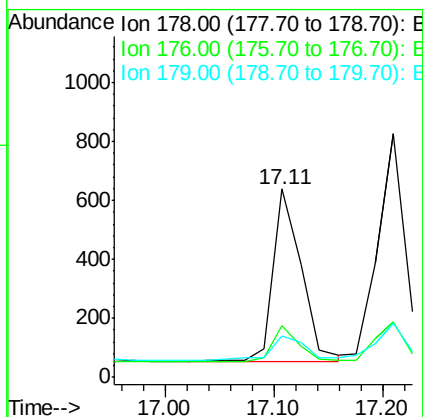
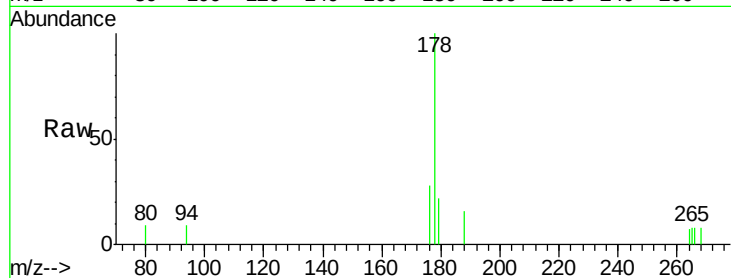
Tgt Ion:178 Resp: 1044

Ion Ratio Lower Upper

178 100

176 27.6 18.4 27.6

179 21.9 13.6 20.4#



#13

Anthracene

Concen: 0.23 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BM008259.D

Acq: 12 Dec 2016 12:30

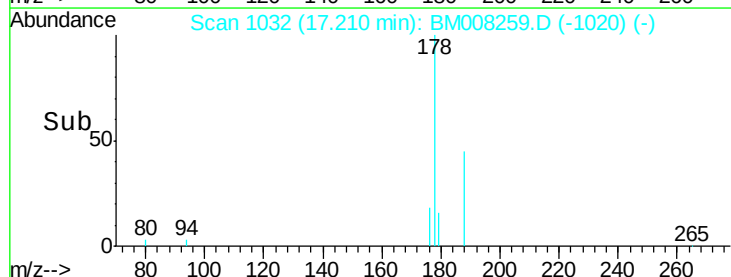
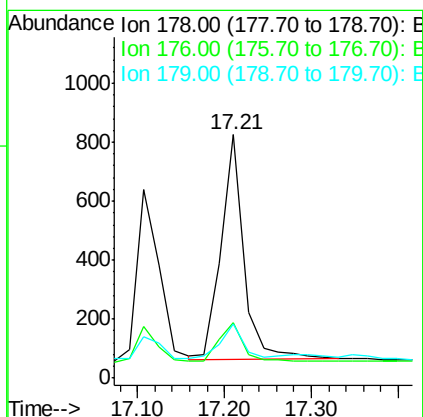
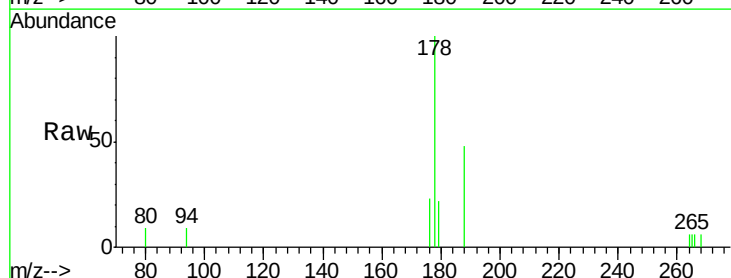
Tgt Ion:178 Resp: 1413

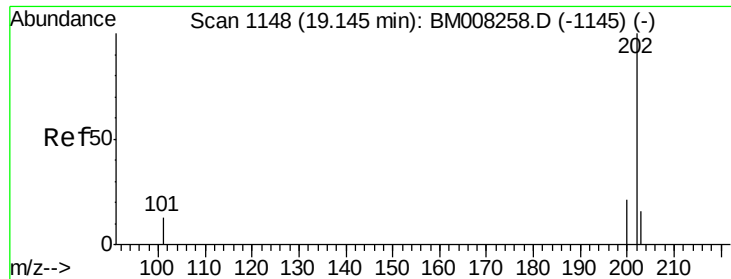
Ion Ratio Lower Upper

178 100

176 22.9 18.1 27.1

179 22.2 14.7 22.1#

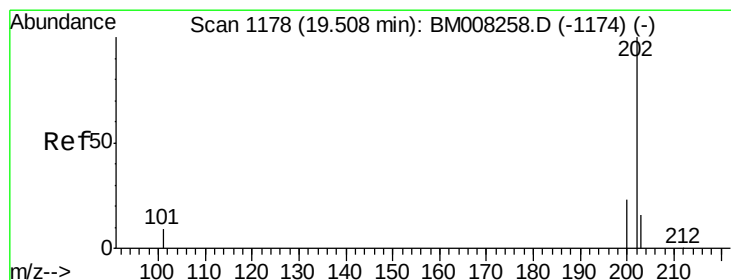
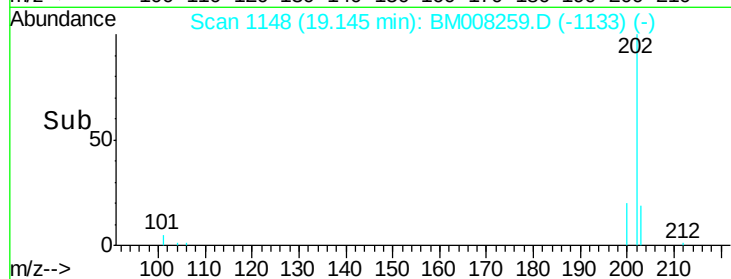
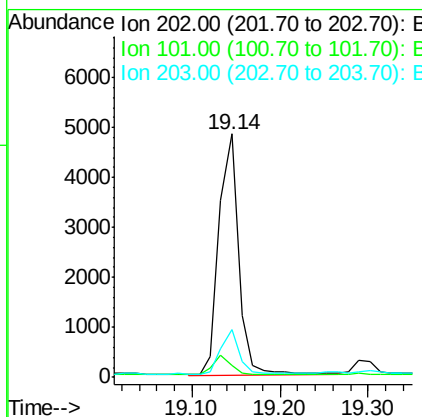
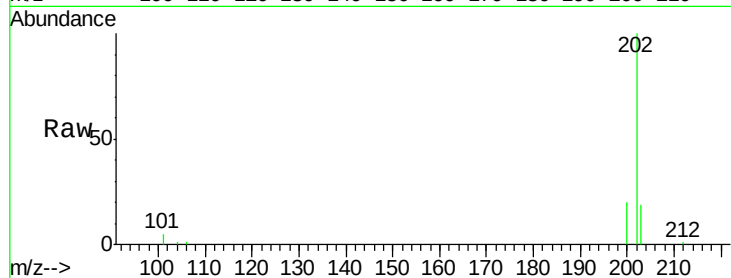




#15
Fluoranthene
Concen: 0.92 ng/ul
RT: 19.14 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BM008259.D
Acq: 12 Dec 2016 12:30

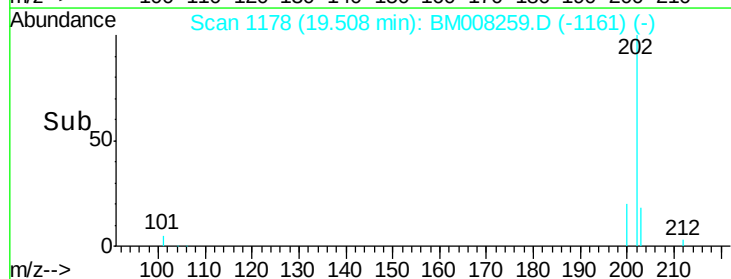
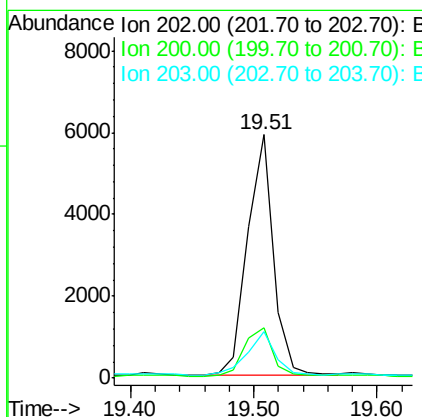
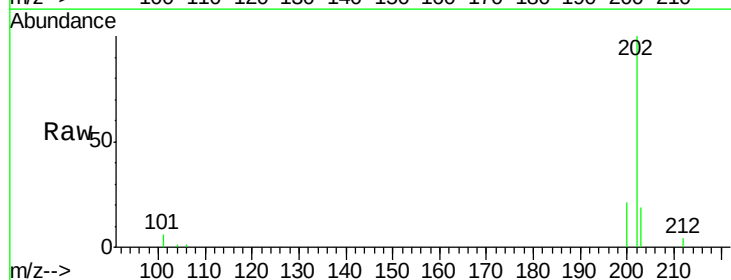
Instrument :
BNA_M
ClientSampleId :
DA7Y8DL

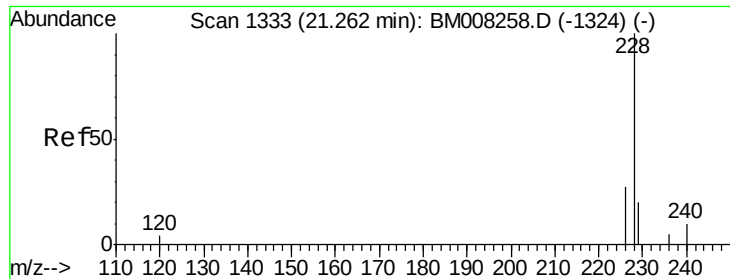
Tgt Ion:202 Resp: 7609
Ion Ratio Lower Upper
202 100
101 4.9 0.0 30.3
203 19.5 0.0 39.5



#17
Pyrene
Concen: 1.36 ng/ul
RT: 19.51 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BM008259.D
Acq: 12 Dec 2016 12:30

Tgt Ion:202 Resp: 8630
Ion Ratio Lower Upper
202 100
200 20.6 18.2 27.4
203 19.2 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.86 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BM008259.D

Acq: 12 Dec 2016 12:30

Instrument :

BNA_M

ClientSampleId :

DA7Y8DL

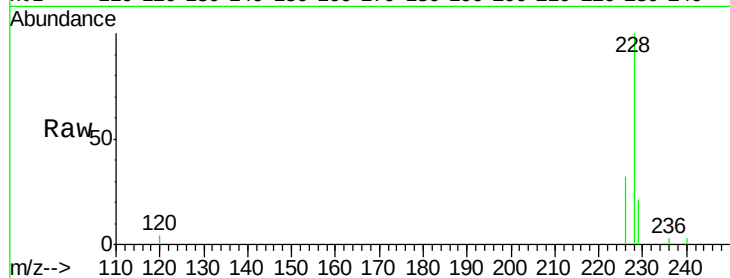
Tgt Ion:228 Resp: 4813

Ion Ratio Lower Upper

228 100

226 32.5 22.8 34.2

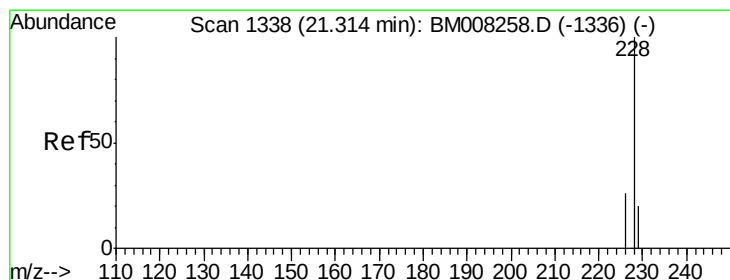
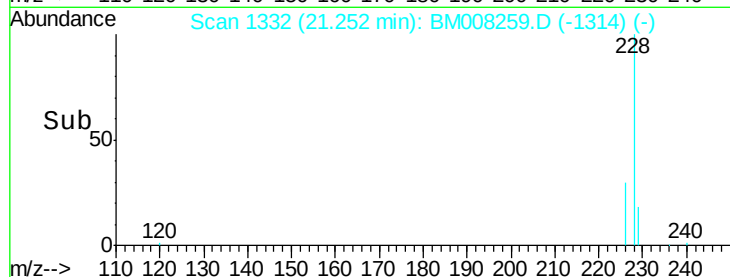
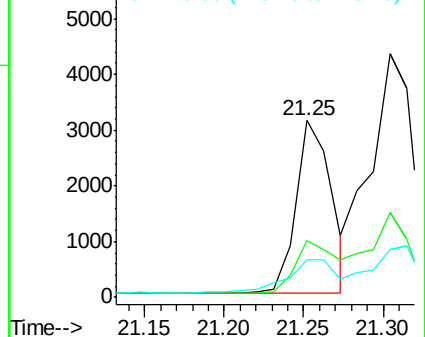
229 21.5 17.0 25.6



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



#19

Chrysene

Concen: 1.16 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008259.D

Acq: 12 Dec 2016 12:30

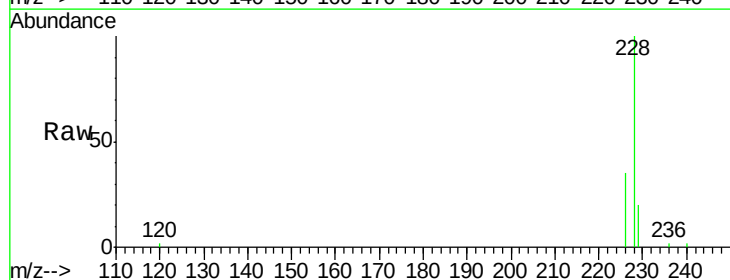
Tgt Ion:228 Resp: 8108

Ion Ratio Lower Upper

228 100

226 34.7 23.4 35.0

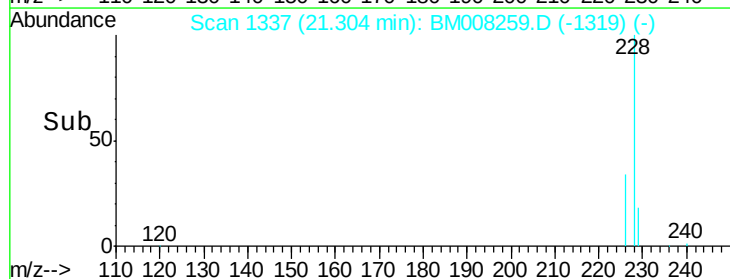
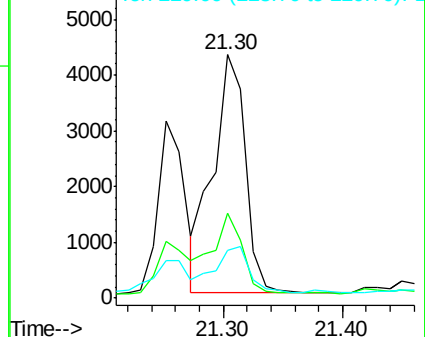
229 19.7 17.7 26.5

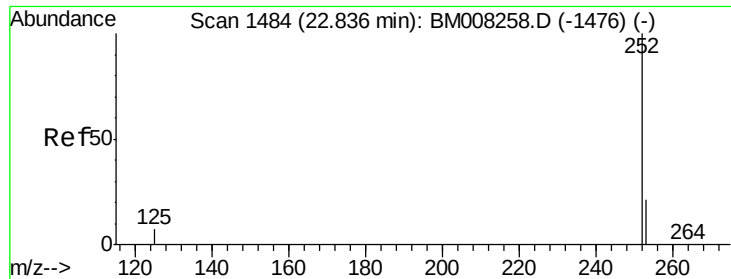


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 3.00 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BM008259.D

Acq: 12 Dec 2016 12:30

Instrument :

BNA_M

ClientSampleId :

DA7Y8DL

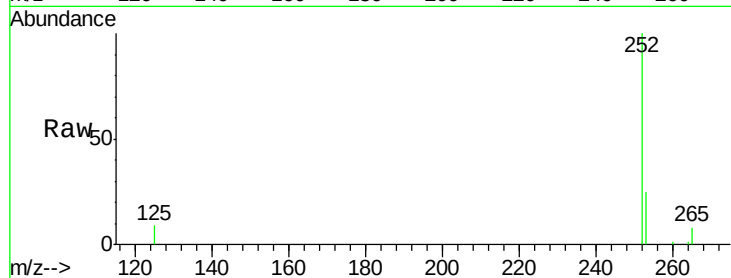
Tgt Ion:252 Resp: 19579

Ion Ratio Lower Upper

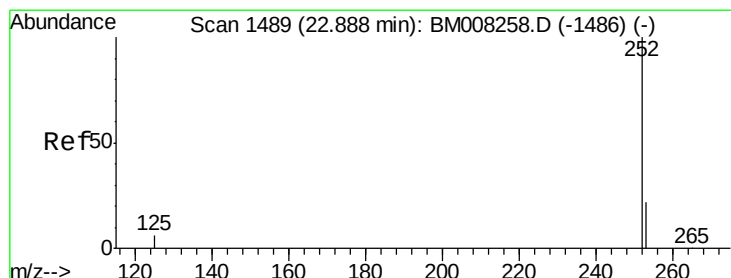
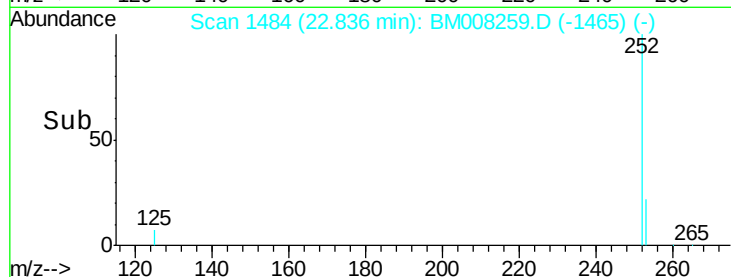
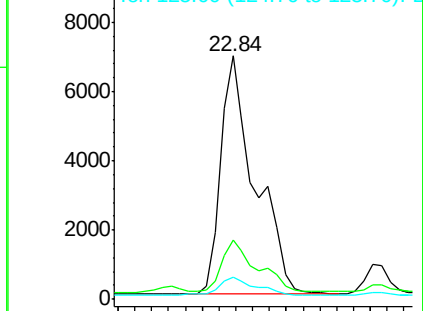
252 100

253 24.6 0.0 64.2

125 8.9 0.0 35.0



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



#22

Benzo(k)fluoranthene

Concen: 2.91 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.05 min

Lab File: BM008259.D

Acq: 12 Dec 2016 12:30

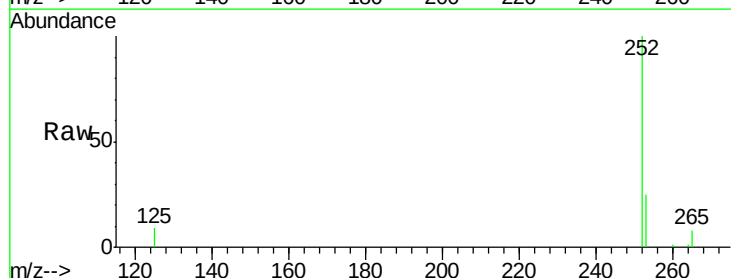
Tgt Ion:252 Resp: 19579

Ion Ratio Lower Upper

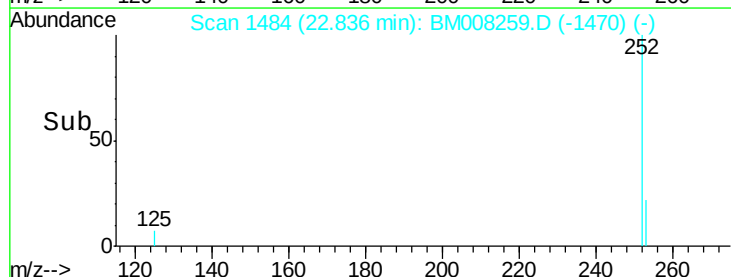
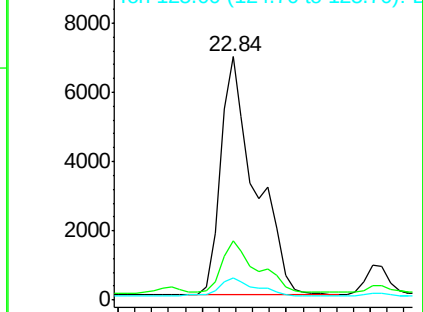
252 100

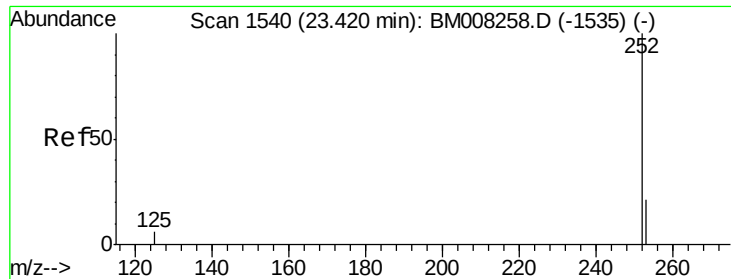
253 24.6 24.5 36.7

125 8.9 13.7 20.5



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





#23

Benzo(a)pyrene

Concen: 0.30 ng/ul

RT: 23.56 min Scan# 1553

Delta R.T. 0.14 min

Lab File: BM008259.D

Acq: 12 Dec 2016 12:30

Instrument :

BNA_M

ClientSampleId :

DA7Y8DL

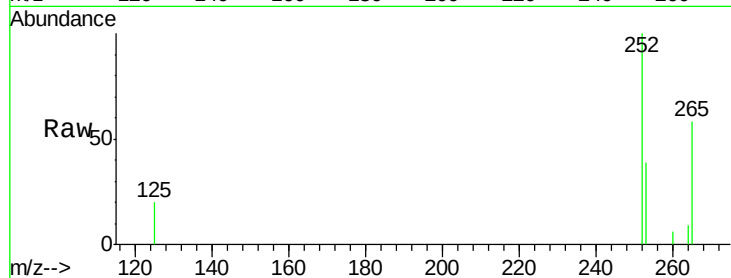
Tgt Ion: 252 Resp: 1866

Ion Ratio Lower Upper

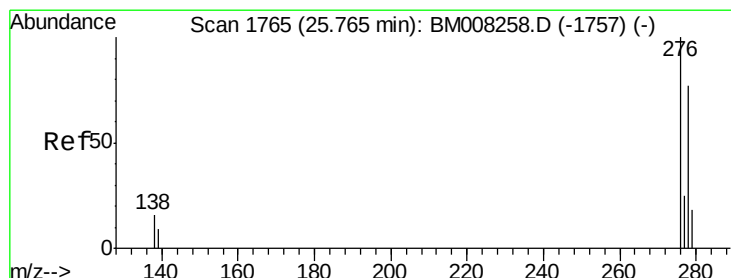
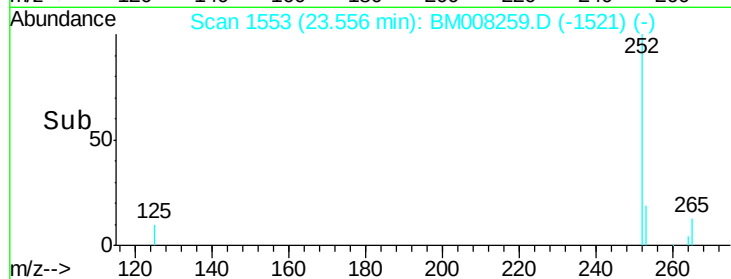
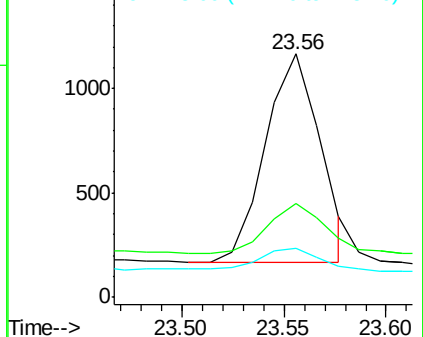
252 100

253 38.8 28.5 42.7

125 20.0 18.1 27.1



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.00 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BM008259.D

Acq: 12 Dec 2016 12:30

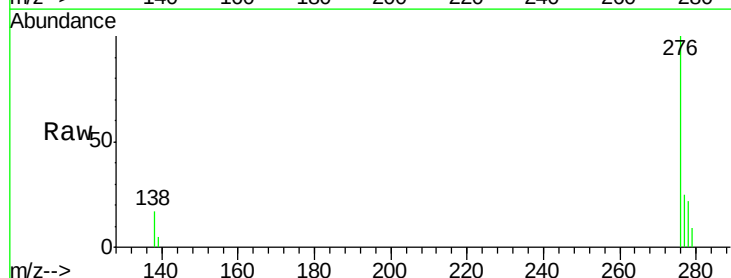
Tgt Ion: 276 Resp: 7574

Ion Ratio Lower Upper

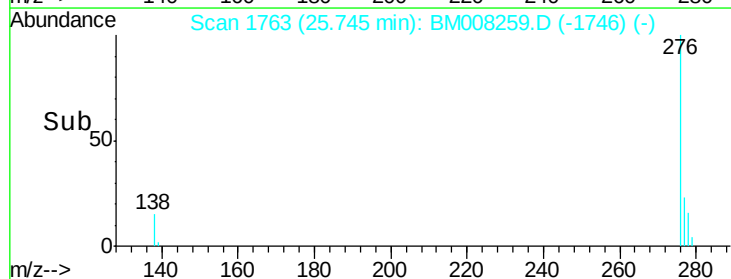
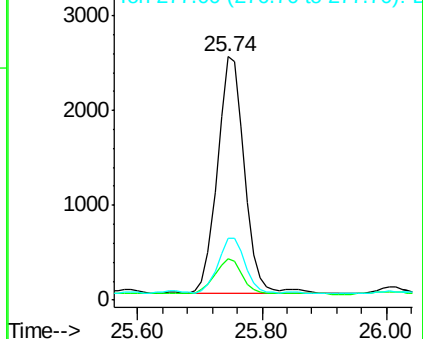
276 100

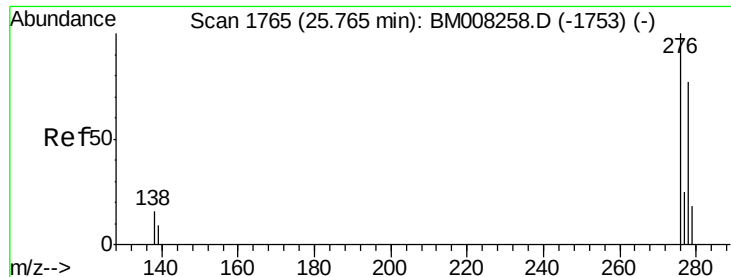
138 14.3 19.1 28.7#

277 22.9 19.6 29.4



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





#25

Dibenzo(a,h)anthracene

Concen: 0.31 ng/ul

RT: 25.76 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BM008259.D

Acq: 12 Dec 2016 12:30

Instrument :

BNA_M

ClientSampleId :

DA7Y8DL

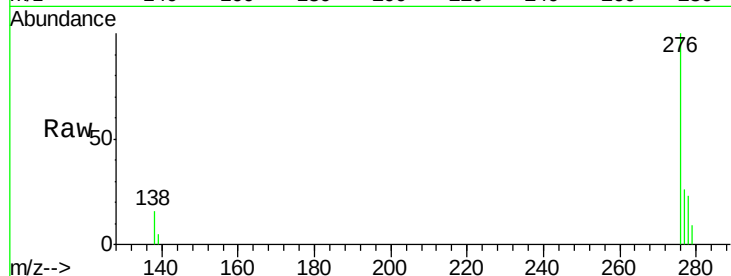
Tgt Ion: 278 Resp: 1855

Ion Ratio Lower Upper

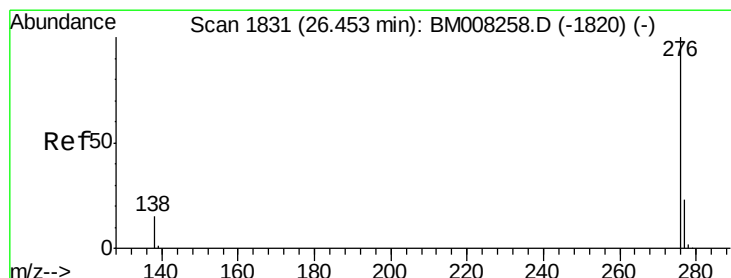
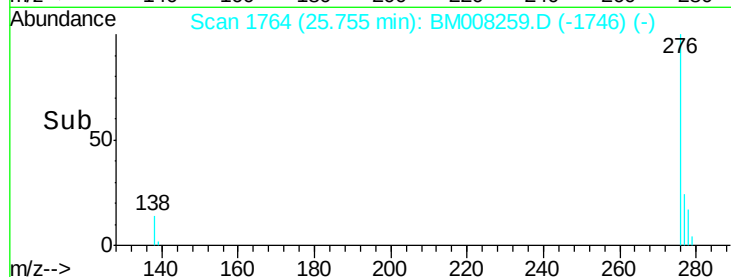
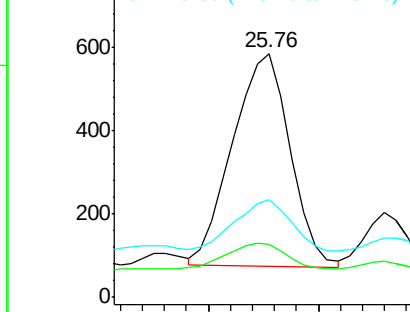
278 100

139 21.7 17.4 26.0

279 40.1 25.9 38.9#



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



#26

Benzo(g,h,i)perylene

Concen: 1.02 ng/ul

RT: 26.44 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BM008259.D

Acq: 12 Dec 2016 12:30

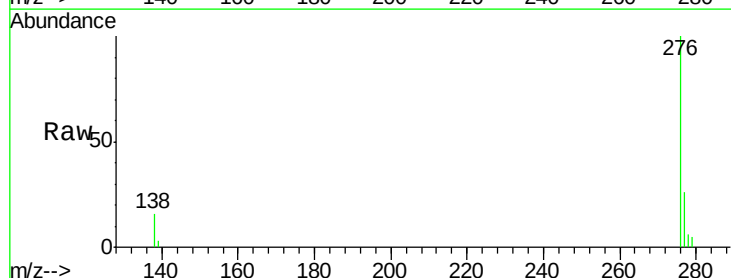
Tgt Ion: 276 Resp: 6850

Ion Ratio Lower Upper

276 100

277 25.8 21.8 32.8

138 16.3 20.5 30.7#



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

