

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
 Data File : BM008567.D
 Acq On : 22 Dec 2016 22:03
 Operator : UM/SJ
 Sample : H5938-14DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA836DL

Quant Time: Dec 23 04:17:16 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 04:12:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	496	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.42	136	1629	0.40	ng/ul	-0.05
6) Acenaphthene-d10	14.28	164	1132	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.04	188	1882	0.40	ng/ul	-0.03
16) Chrysene-d12	21.26	240	1702	0.40	ng/ul	0.00
20) Perylene-d12	23.48	264	1860	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.01	152	159	0.06	ng/ul	-0.06
14) Fluoranthene-d10	19.10	212	399	0.08	ng/ul	0.00

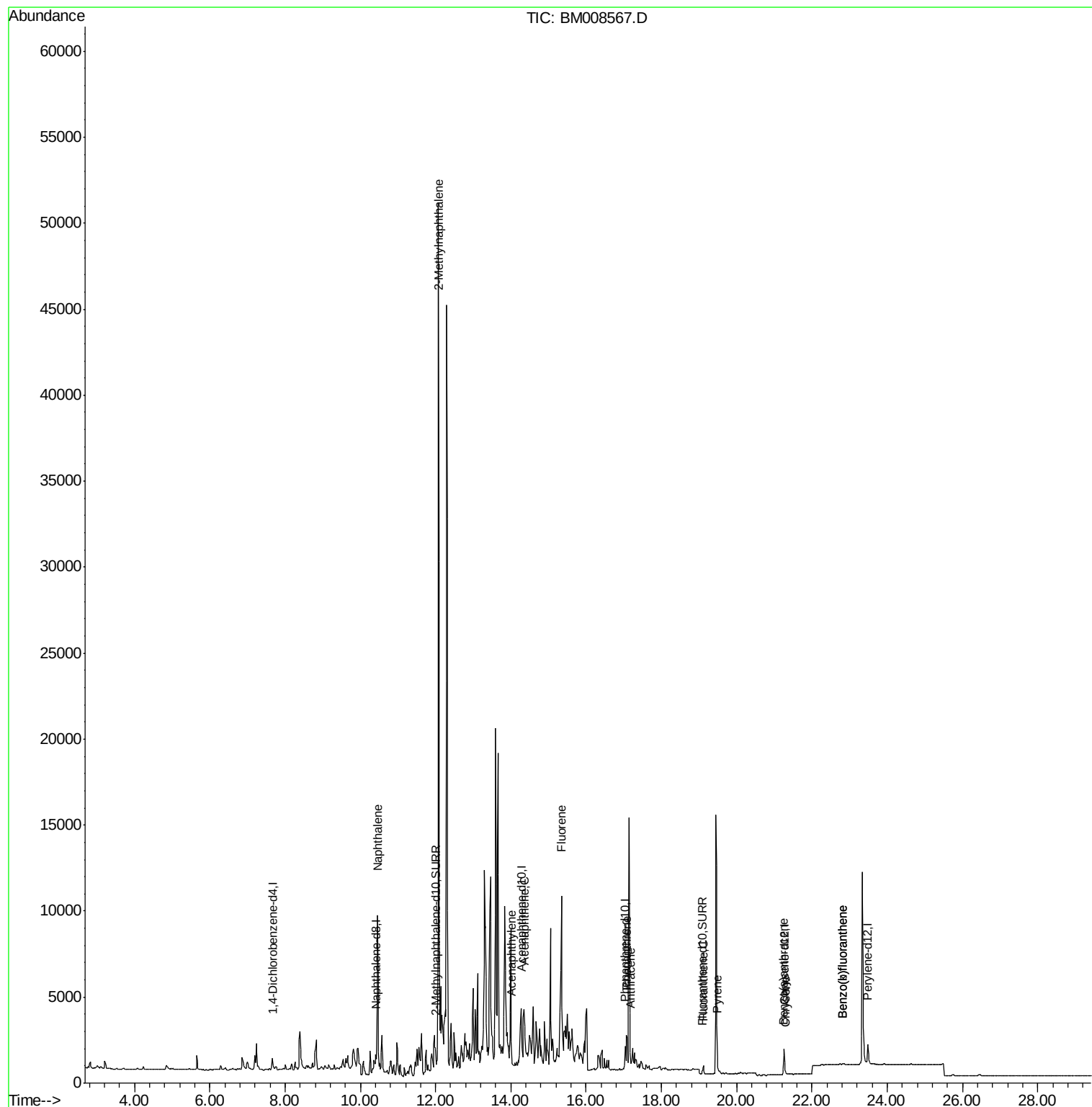
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	13642	2.98	ng/ul	96
5) 2-Methylnaphthalene	12.08	142	34117	11.06	ng/ul	100
7) Acenaphthylene	14.01	152	1006	0.20	ng/ul#	1
8) Acenaphthene	14.35	153	3219	0.84	ng/ul	96
9) Fluorene	15.34	166	6654	1.51	ng/ul	87
12) Phenanthrene	17.07	178	3516	0.61	ng/ul#	87
13) Anthracene	17.18	178	575	0.10	ng/ul#	70
15) Fluoranthene	19.12	202	674	0.10	ng/ul	68
17) Pyrene	19.48	202	665	0.10	ng/ul#	74
18) Benzo(a)anthracene	21.24	228	143	0.03	ng/ul#	10
19) Chrysene	21.29	228	126	0.02	ng/ul#	8
21) Benzo(b)fluoranthene	22.82	252	179	0.02	ng/ul#	1
22) Benzo(k)fluoranthene	22.82	252	179	0.03	ng/ul#	1

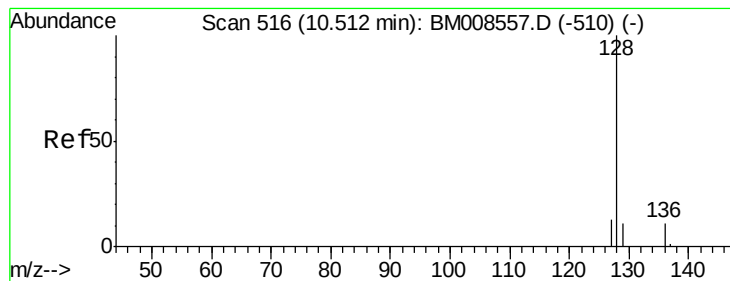
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.98 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.05 min

Lab File: BM008567.D

Acq: 22 Dec 2016 22:03

Instrument :

BNA_M

ClientSampleId :

DA836DL

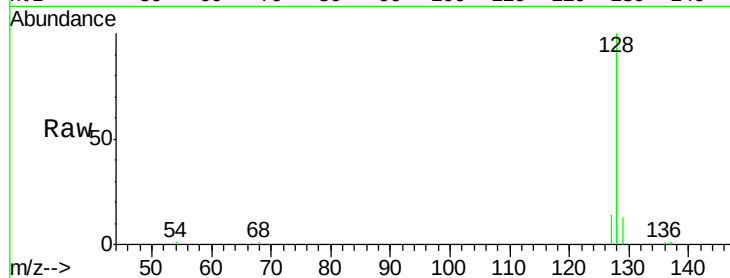
Tgt Ion:128 Resp: 13642

Ion Ratio Lower Upper

128 100

129 12.8 11.3 16.9

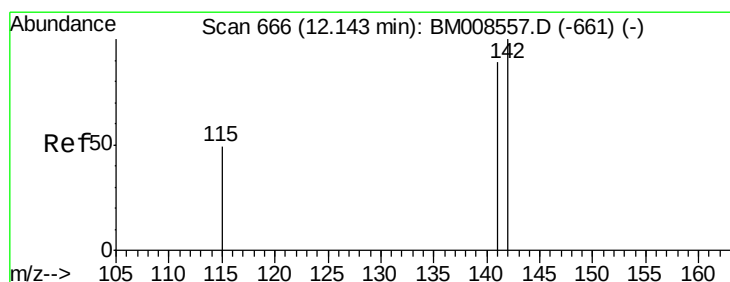
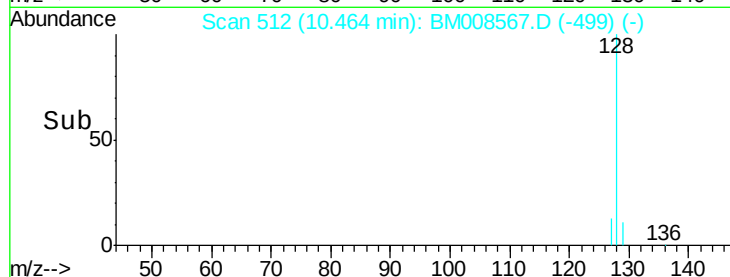
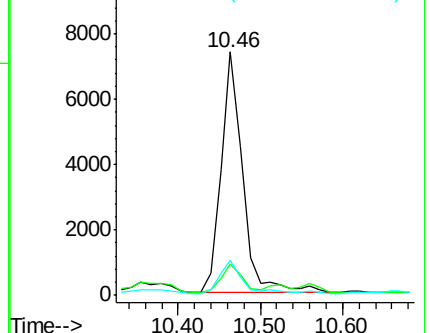
127 14.3 12.8 19.2



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: 11.06 ng/ul

RT: 12.08 min Scan# 660

Delta R.T. -0.06 min

Lab File: BM008567.D

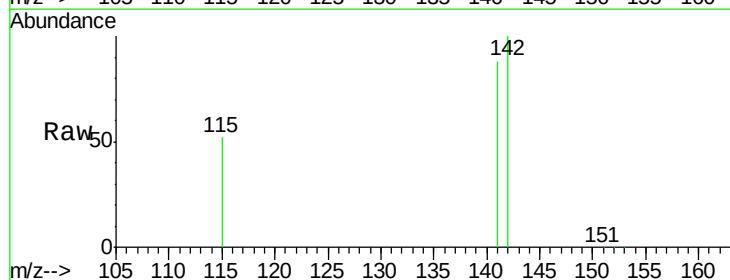
Acq: 22 Dec 2016 22:03

Tgt Ion:142 Resp: 34117

Ion Ratio Lower Upper

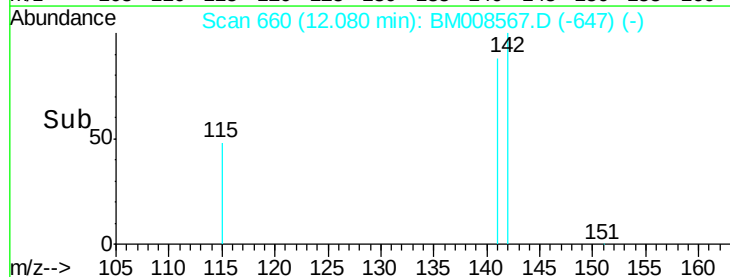
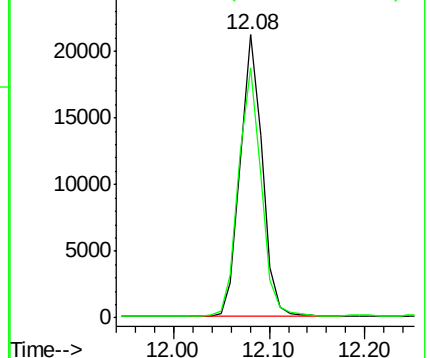
142 100

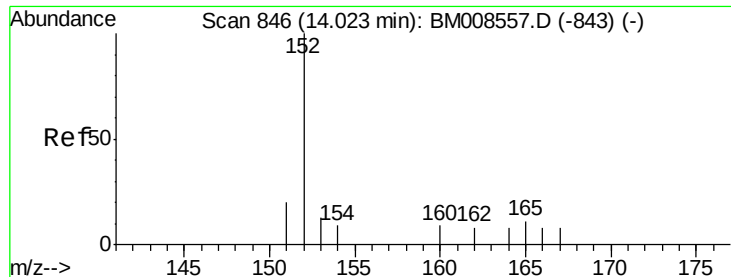
141 90.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.20 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.02 min

Lab File: BM008567.D

Acq: 22 Dec 2016 22:03

Instrument :

BNA_M

ClientSampleId :

DA836DL

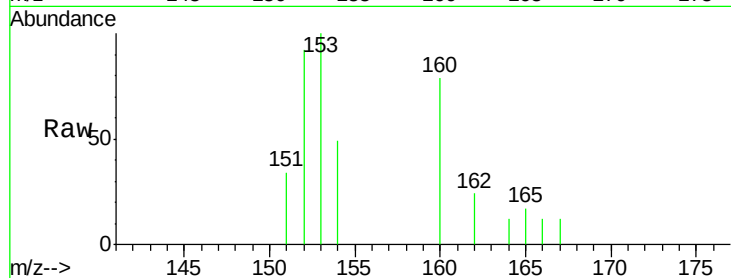
Tgt Ion:152 Resp: 1006

Ion Ratio Lower Upper

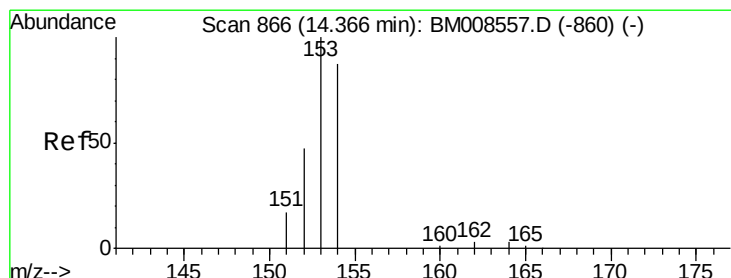
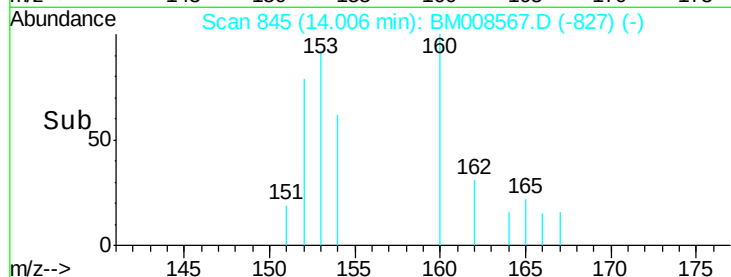
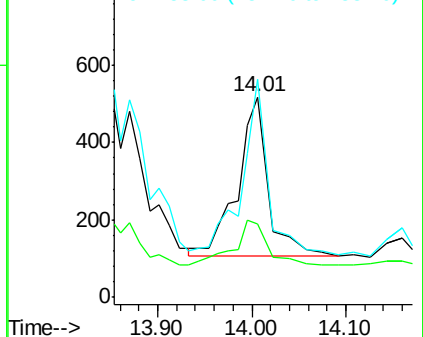
152 100

151 36.7 17.1 25.7#

153 108.7 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: 0.84 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.02 min

Lab File: BM008567.D

Acq: 22 Dec 2016 22:03

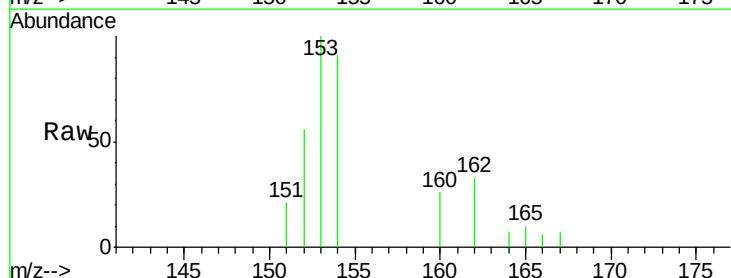
Tgt Ion:153 Resp: 3219

Ion Ratio Lower Upper

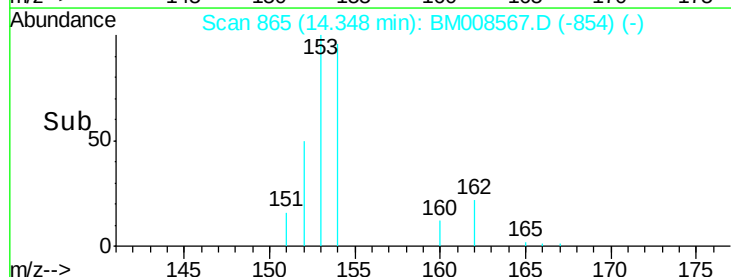
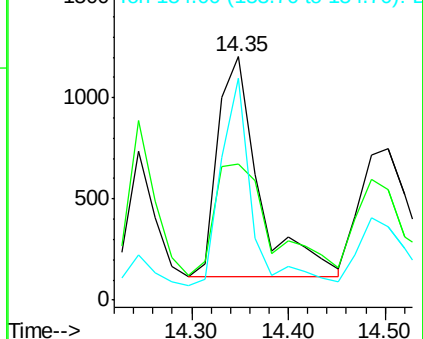
153 100

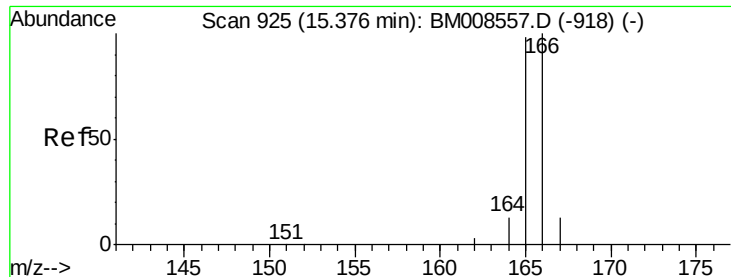
152 55.7 40.3 60.5

154 90.9 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

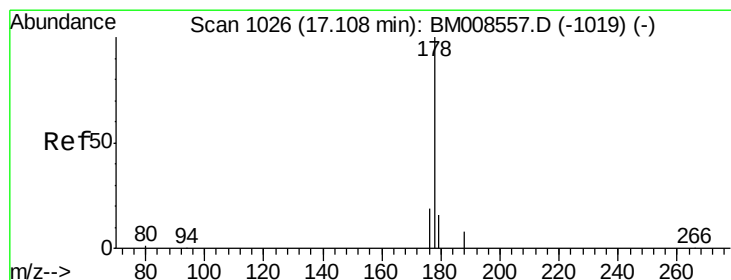
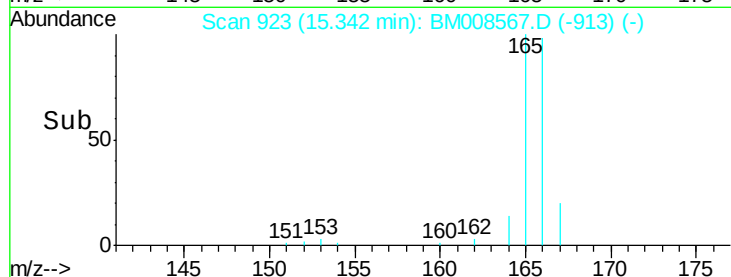
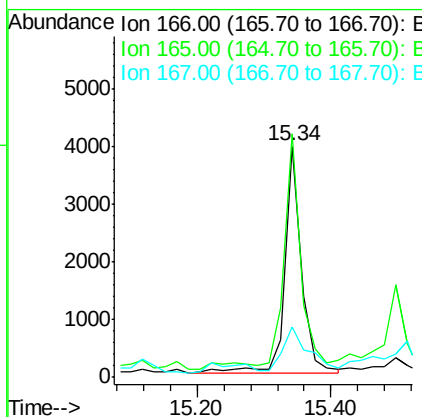
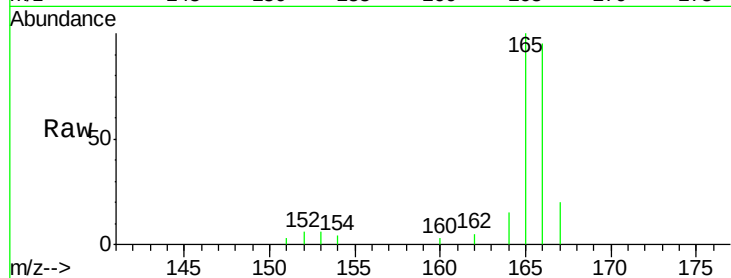




#9
Fluorene
 Concen: 1.51 ng/ul
 RT: 15.34 min Scan# 923
 Delta R.T. -0.03 min
 Lab File: BM008567.D
 Acq: 22 Dec 2016 22:03

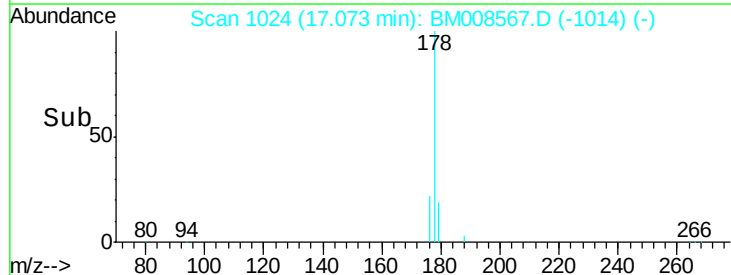
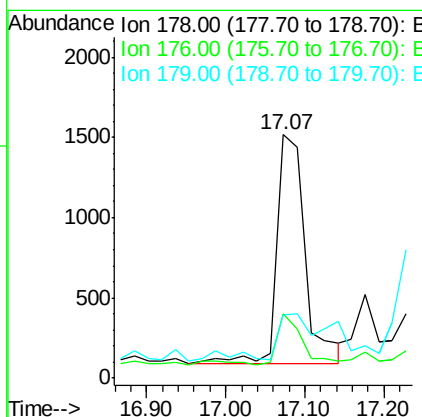
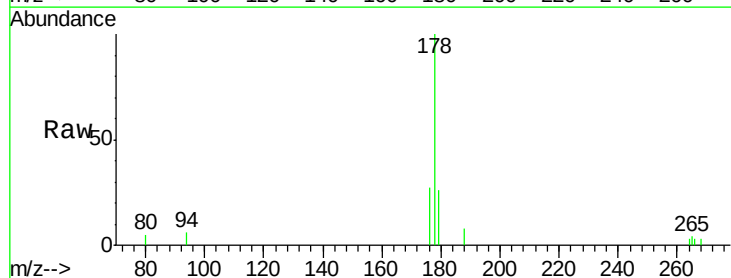
Instrument :
 BNA_M
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 DA836DL

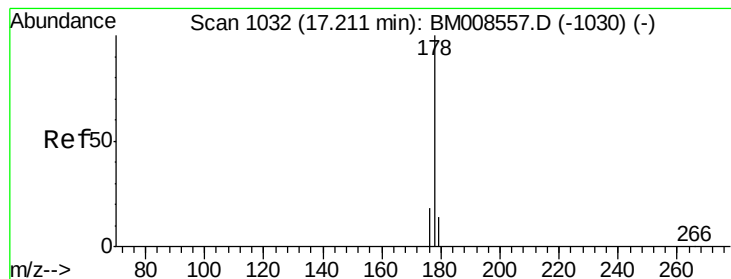
Tgt Ion:166 Resp: 6654
 Ion Ratio Lower Upper
 166 100
 165 105.4 73.4 110.2
 167 21.6 14.6 22.0



#12
Phenanthrene
 Concen: 0.61 ng/ul
 RT: 17.07 min Scan# 1024
 Delta R.T. -0.03 min
 Lab File: BM008567.D
 Acq: 22 Dec 2016 22:03

Tgt Ion:178 Resp: 3516
 Ion Ratio Lower Upper
 178 100
 176 26.7 18.4 27.6
 179 25.7 13.6 20.4#





#13

Anthracene

Concen: 0.10 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.03 min

Lab File: BM008567.D

Acq: 22 Dec 2016 22:03

Instrument :

BNA_M

ClientSampleId :

DA836DL

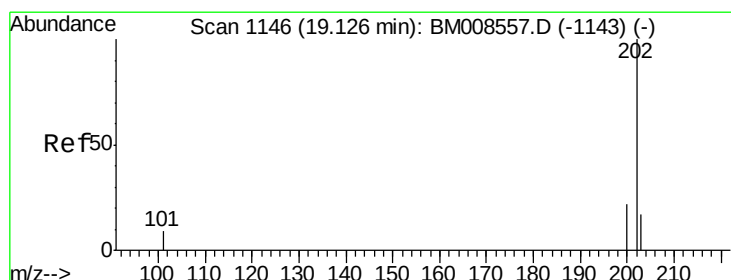
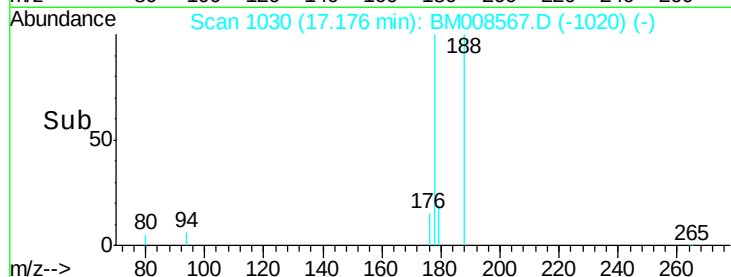
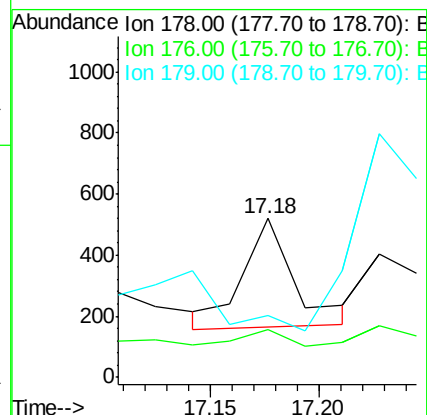
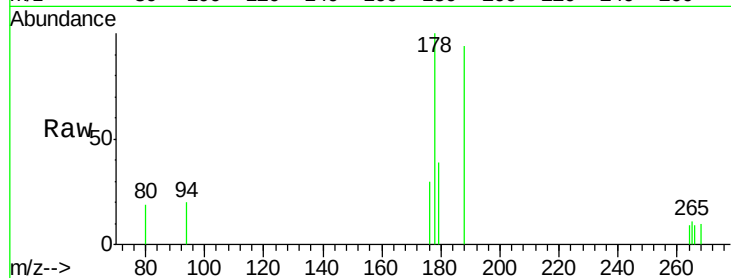
Tgt Ion:178 Resp: 575

Ion Ratio Lower Upper

178 100

176 30.4 18.1 27.1#

179 38.9 14.7 22.1#



#15

Fluoranthene

Concen: 0.10 ng/ul

RT: 19.12 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BM008567.D

Acq: 22 Dec 2016 22:03

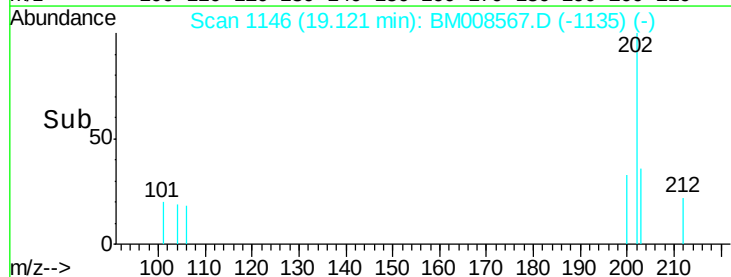
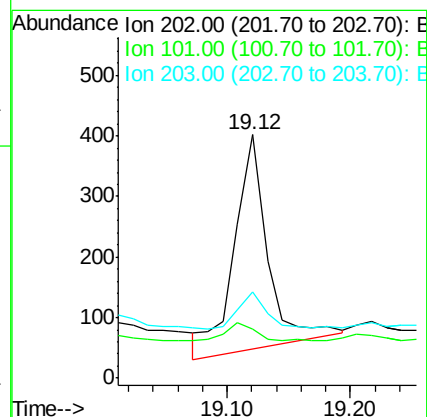
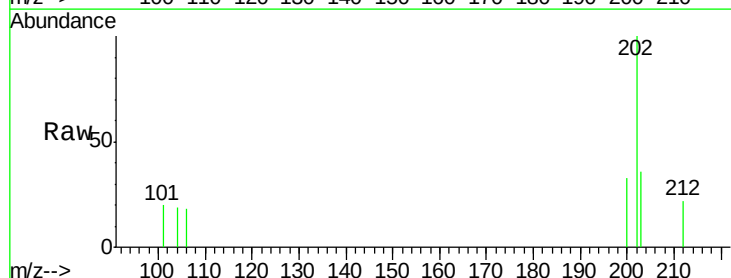
Tgt Ion:202 Resp: 674

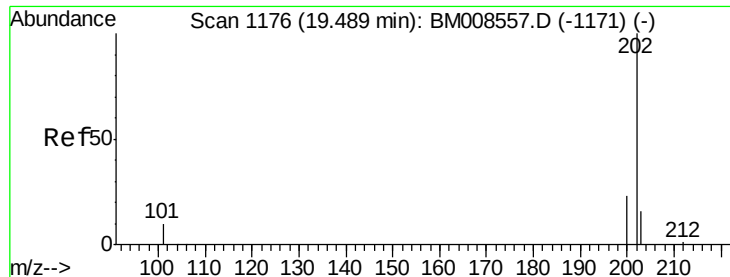
Ion Ratio Lower Upper

202 100

101 20.1 0.0 30.3

203 35.6 0.0 39.5





#17

Pyrene

Concen: 0.10 ng/ul

RT: 19.48 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BM008567.D

Acq: 22 Dec 2016 22:03

Instrument :

BNA_M

ClientSampleId :

DA836DL

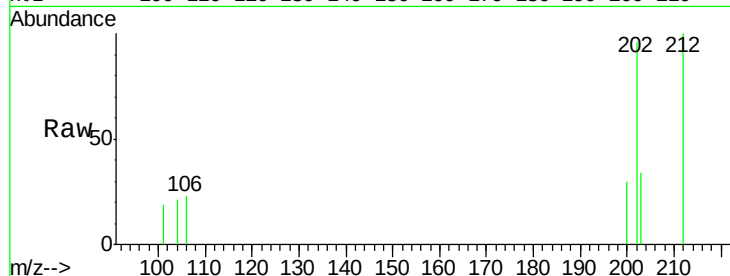
Tgt Ion:202 Resp: 665

Ion Ratio Lower Upper

202 100

200 30.9 18.2 27.4#

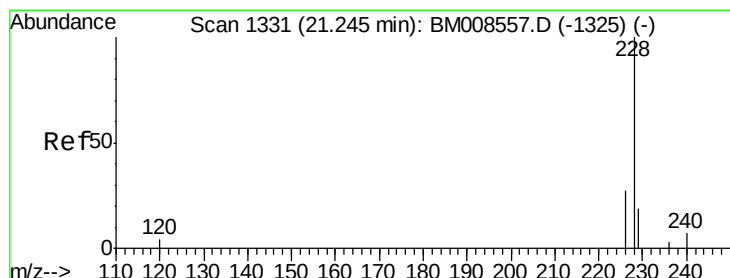
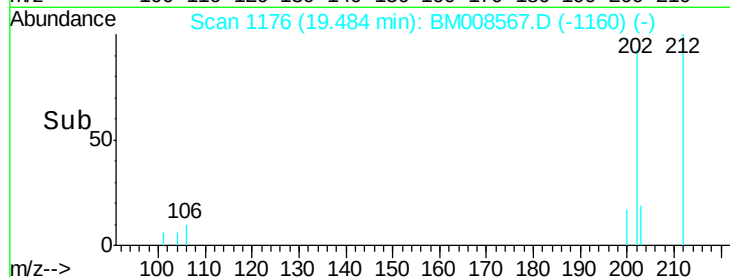
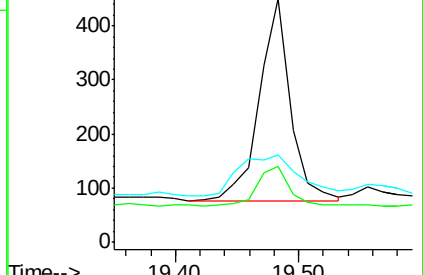
203 35.8 15.6 23.4#



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



#18

Benzo(a)anthracene

Concen: 0.03 ng/ul

RT: 21.24 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BM008567.D

Acq: 22 Dec 2016 22:03

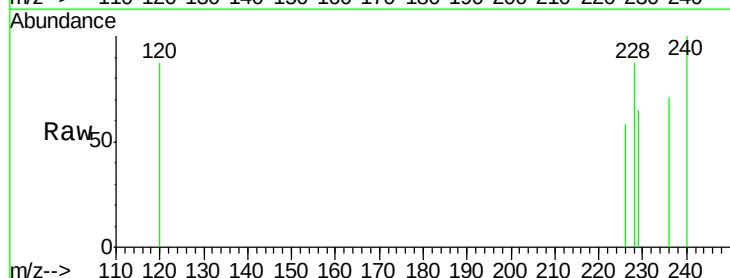
Tgt Ion:228 Resp: 143

Ion Ratio Lower Upper

228 100

226 67.1 22.8 34.2#

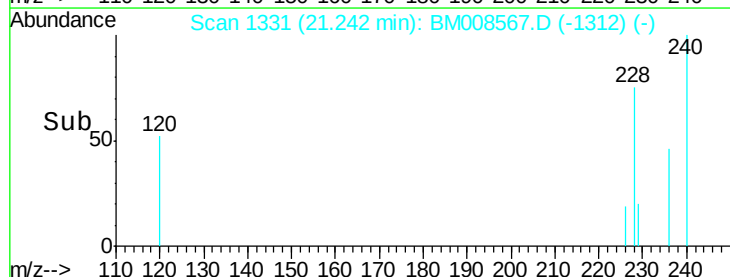
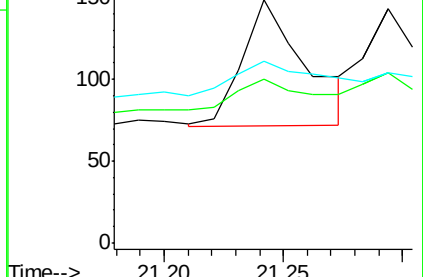
229 74.5 17.0 25.6#

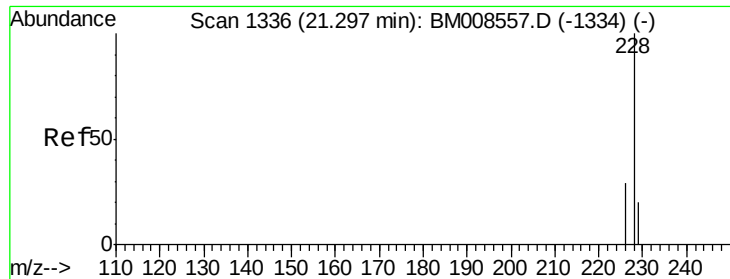


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#19

Chrysene

Concen: 0.02 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BM008567.D

Acq: 22 Dec 2016 22:03

Instrument :

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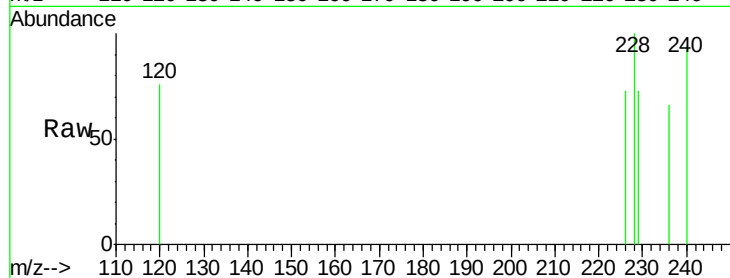
Tgt Ion:228 Resp: 126

Ion Ratio Lower Upper

228 100

226 72.7 23.4 35.0#

229 72.7 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

200

150

100

50

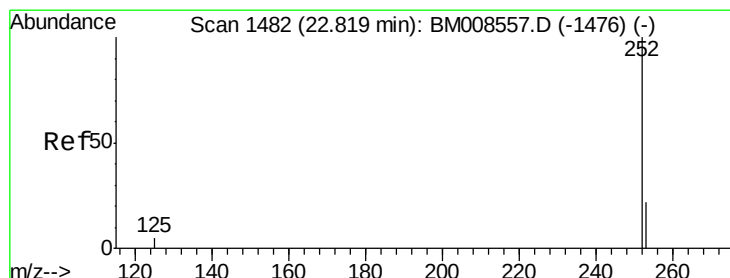
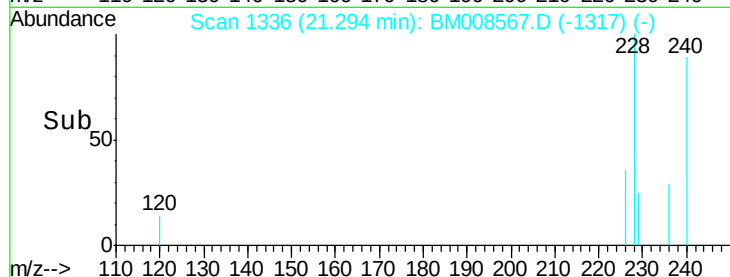
0

21.29

21.30

21.40

Time-->



#21

Benzo(b)fluoranthene

Concen: 0.02 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.00 min

Lab File: BM008567.D

Acq: 22 Dec 2016 22:03

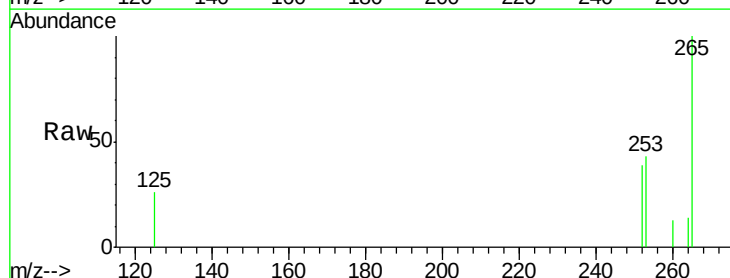
Tgt Ion:252 Resp: 179

Ion Ratio Lower Upper

252 100

253 111.6 0.0 64.2#

125 67.2 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

250

200

150

100

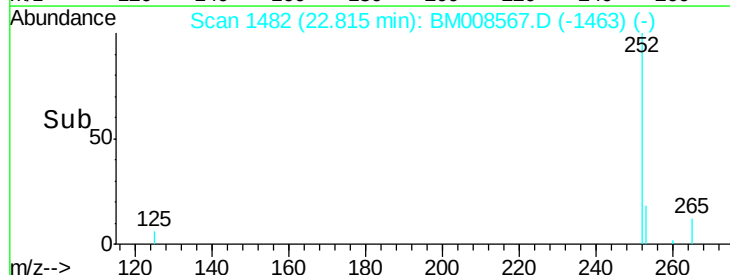
50

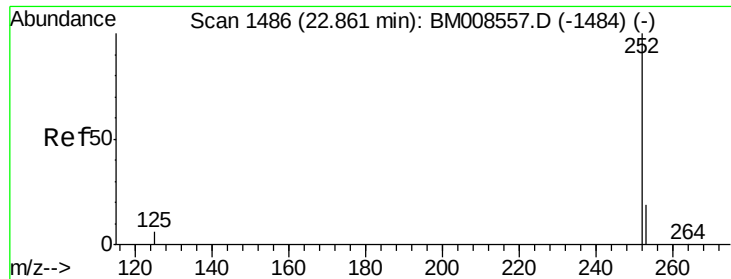
0

22.82

22.90

Time-->





#22

Benzo(k)fluoranthene

Concen: 0.03 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.05 min

Lab File: BM008567.D

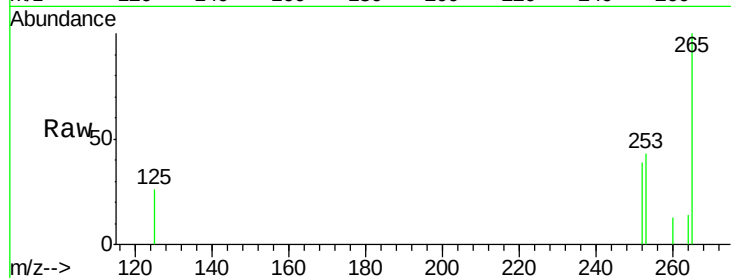
Acq: 22 Dec 2016 22:03

Instrument :

BNA_M

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DA836DL



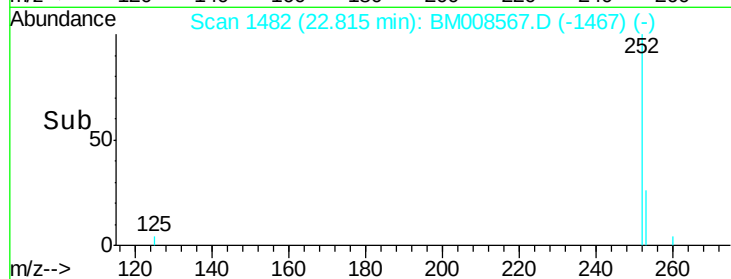
Tgt Ion: 252 Resp: 179

Ion Ratio Lower Upper

252 100

253 111.6 24.5 36.7#

125 67.2 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

