

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
 Data File : BM008566.D
 Acq On : 22 Dec 2016 21:27
 Operator : UM/SJ
 Sample : H5938-13DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA835DL

Quant Time: Dec 23 04:17:01 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	422	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.43	136	1547	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.28	164	802	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.04	188	1764	0.40	ng/ul	-0.03
16) Chrysene-d12	21.25	240	1559	0.40	ng/ul	-0.01
20) Perylene-d12	23.47	264	1539	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.02	152	110	0.05	ng/ul	-0.05
14) Fluoranthene-d10	19.08	212	334	0.07	ng/ul	-0.02

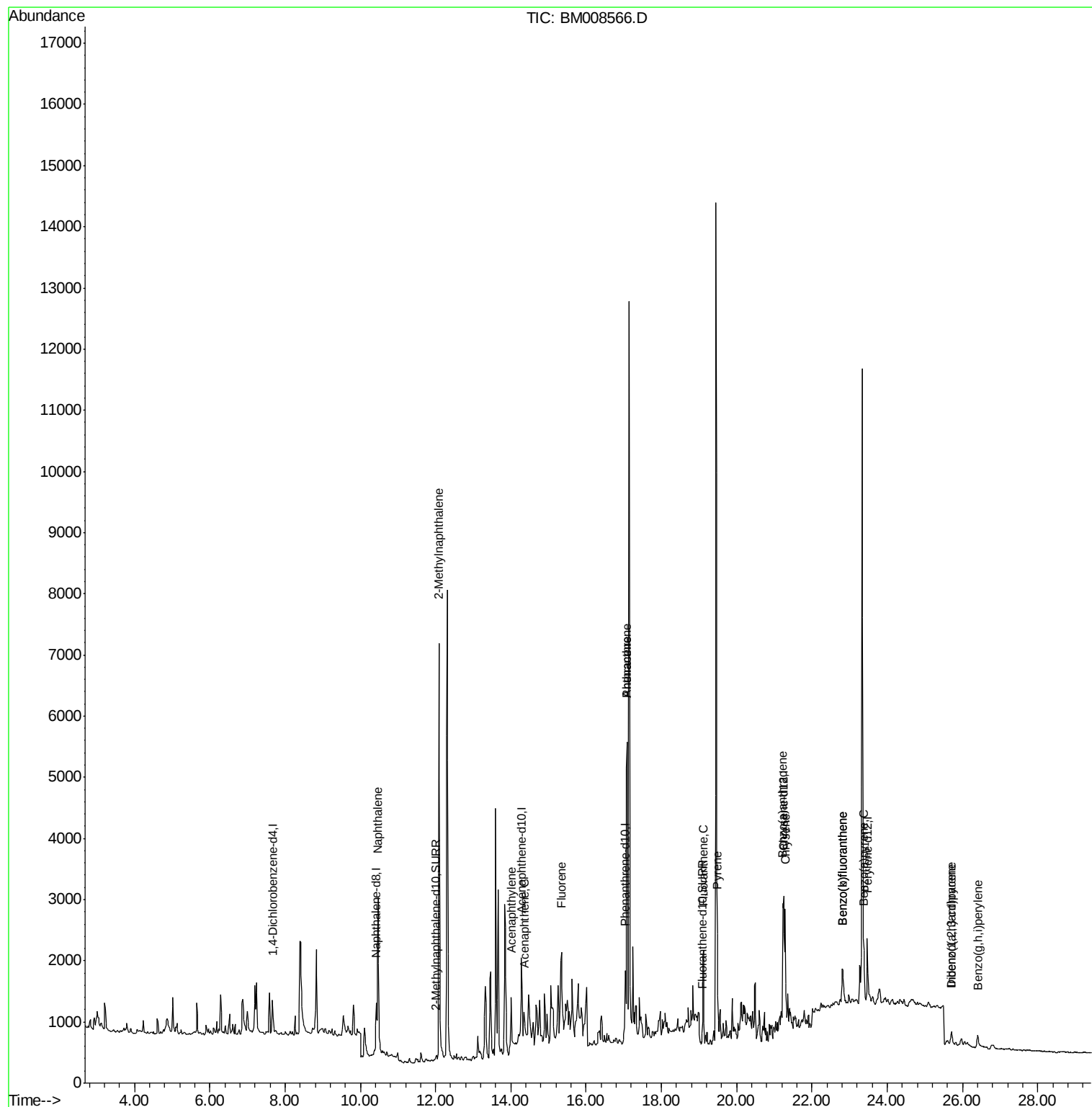
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.48	128	4046	0.93	ng/ul	99
5) 2-Methylnaphthalene	12.09	142	5380	1.84	ng/ul	100
7) Acenaphthylene	14.01	152	255	0.07	ng/ul#	1
8) Acenaphthene	14.35	153	420	0.15	ng/ul#	89
9) Fluorene	15.34	166	996	0.32	ng/ul#	71
12) Phenanthrene	17.09	178	7978	1.48	ng/ul	92
13) Anthracene	17.09	178	7795	1.49	ng/ul	94
15) Fluoranthene	19.12	202	1975	0.30	ng/ul	86
17) Pyrene	19.48	202	2141	0.36	ng/ul#	87
18) Benzo(a)anthracene	21.23	228	1717	0.34	ng/ul#	68
19) Chrysene	21.28	228	2075	0.37	ng/ul#	73
21) Benzo(b)fluoranthene	22.82	252	1355	0.22	ng/ul	62
22) Benzo(k)fluoranthene	22.82	252	1355	0.23	ng/ul#	60
23) Benzo(a)pyrene	23.38	252	956	0.17	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	25.71	276	296	0.04	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.70	278	229	0.04	ng/ul#	1
26) Benzo(g,h,i)perylene	26.40	276	516	0.09	ng/ul#	52

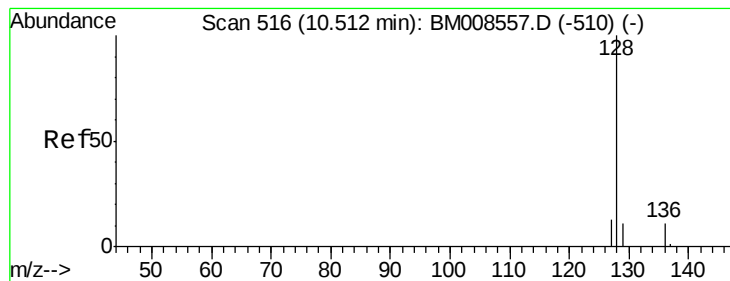
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.93 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.04 min

Lab File: BM008566.D

Acq: 22 Dec 2016 21:27

Instrument :

BNA_M

ClientSampleId :

DA835DL

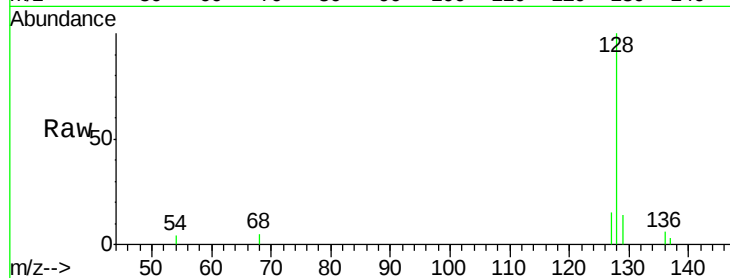
Tgt Ion:128 Resp: 4046

Ion Ratio Lower Upper

128 100

129 13.7 11.3 16.9

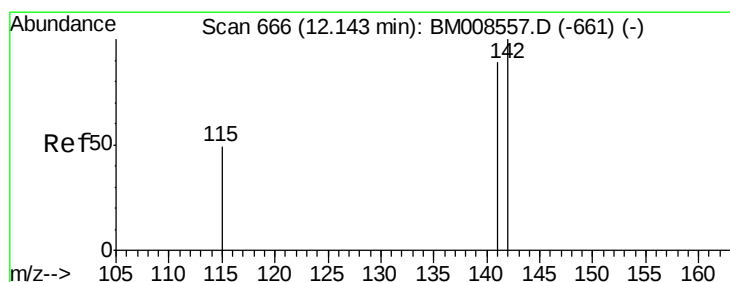
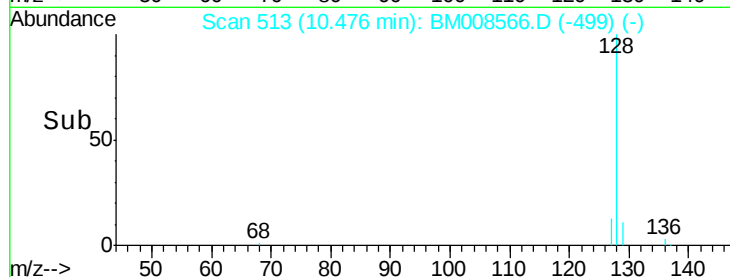
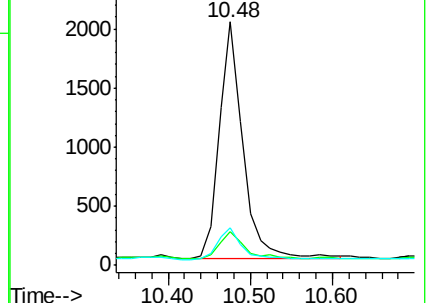
127 15.3 12.8 19.2



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: 1.84 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.05 min

Lab File: BM008566.D

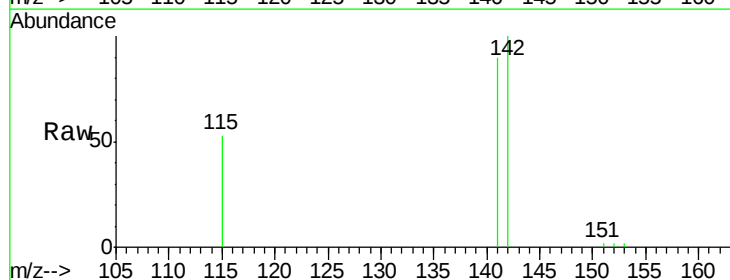
Acq: 22 Dec 2016 21:27

Tgt Ion:142 Resp: 5380

Ion Ratio Lower Upper

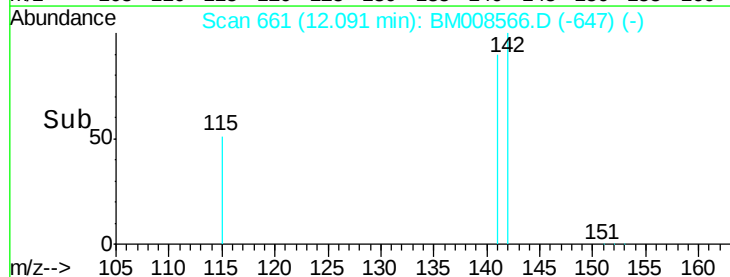
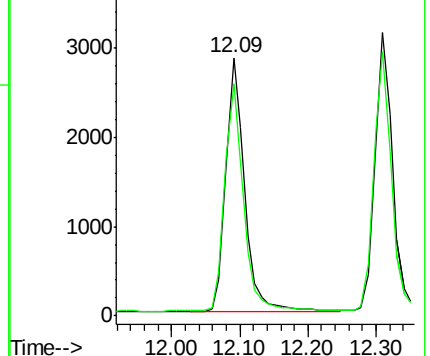
142 100

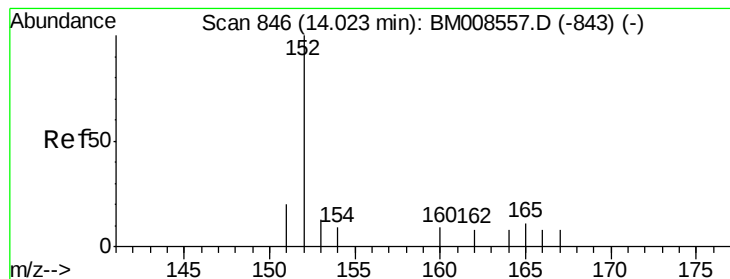
141 90.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.07 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.02 min

Lab File: BM008566.D

Acq: 22 Dec 2016 21:27

Instrument :

BNA_M

ClientSampleId :

DA835DL

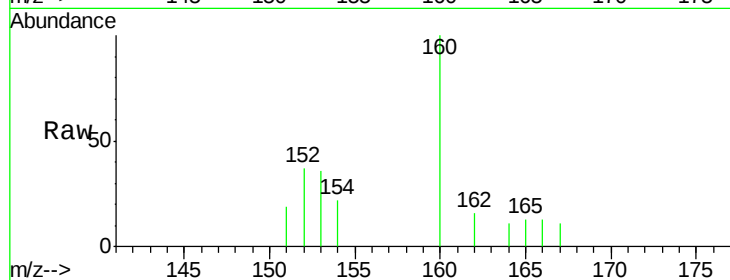
Tgt Ion:152 Resp: 255

Ion Ratio Lower Upper

152 100

151 51.1 17.1 25.7#

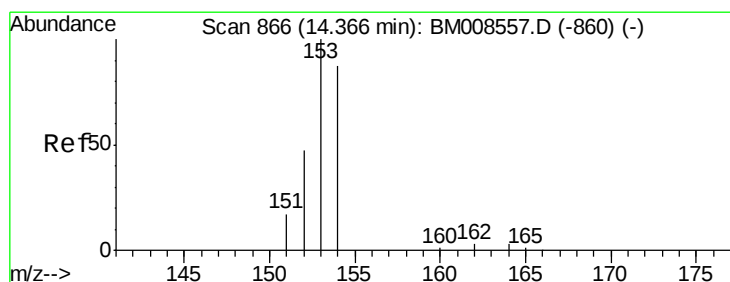
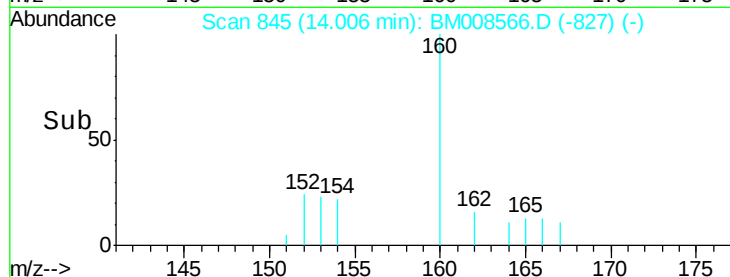
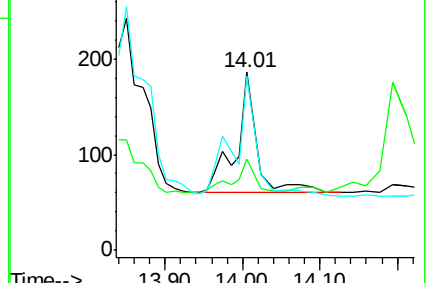
153 97.8 12.8 19.2#



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: 0.15 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.02 min

Lab File: BM008566.D

Acq: 22 Dec 2016 21:27

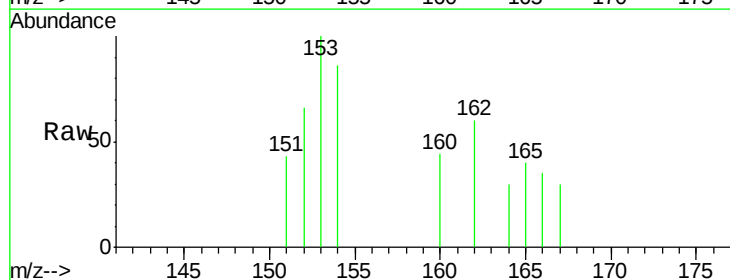
Tgt Ion:153 Resp: 420

Ion Ratio Lower Upper

153 100

152 66.0 40.3 60.5#

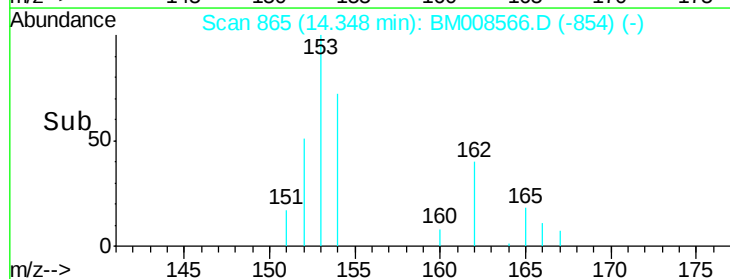
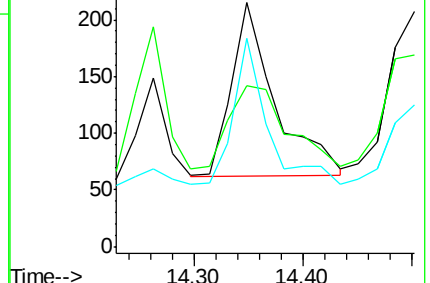
154 85.6 71.4 107.2

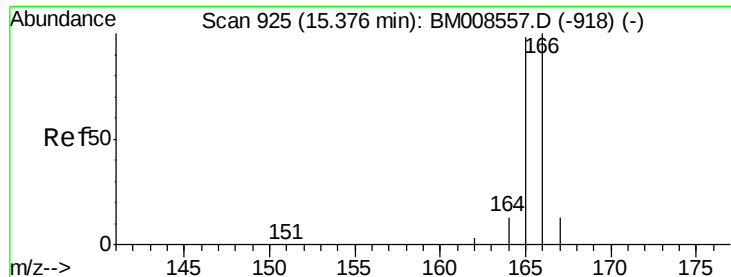


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

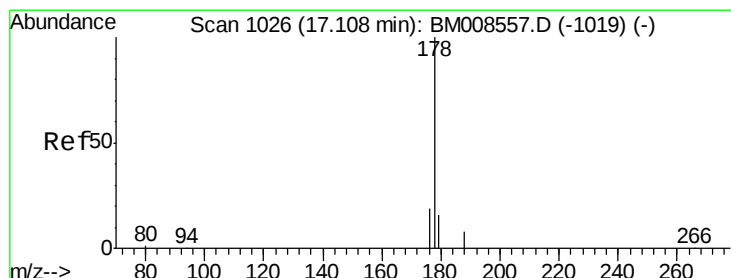
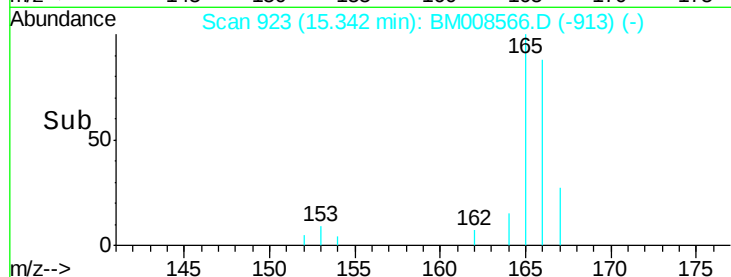
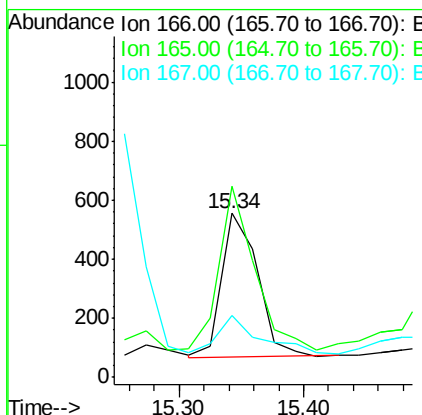
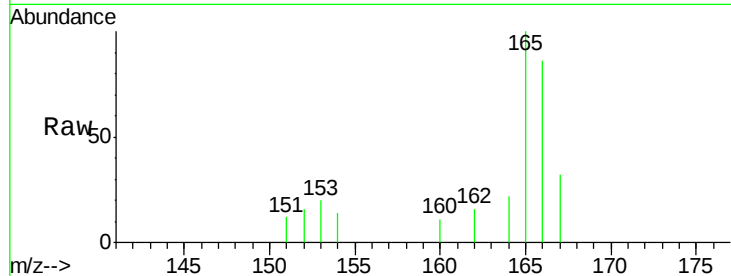




#9
Fluorene
 Concen: 0.32 ng/ul
 RT: 15.34 min Scan# 923
 Delta R.T. -0.03 min
 Lab File: BM008566.D
 Acq: 22 Dec 2016 21:27

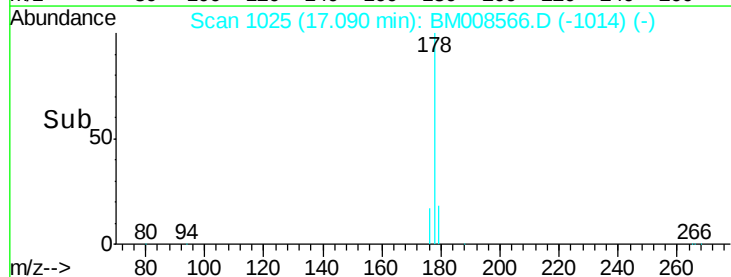
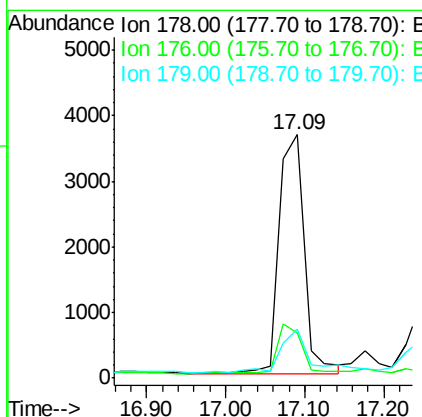
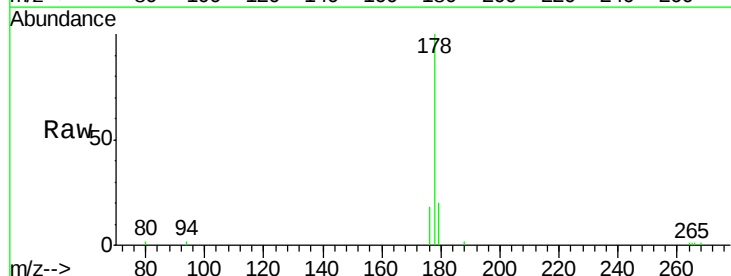
Instrument :
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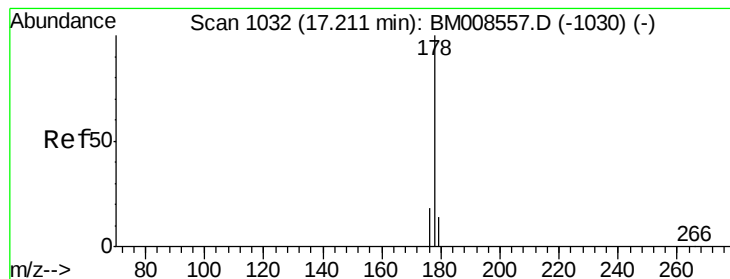
Tgt Ion:166 Resp: 996
 Ion Ratio Lower Upper
 166 100
 165 116.7 73.4 110.2#
 167 37.8 14.6 22.0#



#12
Phenanthrene
 Concen: 1.48 ng/ul
 RT: 17.09 min Scan# 1025
 Delta R.T. -0.02 min
 Lab File: BM008566.D
 Acq: 22 Dec 2016 21:27

Tgt Ion:178 Resp: 7978
 Ion Ratio Lower Upper
 178 100
 176 18.4 18.4 27.6
 179 19.9 13.6 20.4





#13

Anthracene

Concen: 1.49 ng/ul

RT: 17.09 min Scan# 1025

Delta R.T. -0.12 min

Lab File: BM008566.D

Acq: 22 Dec 2016 21:27

Instrument :

BNA_M

ClientSampleId :

DA835DL

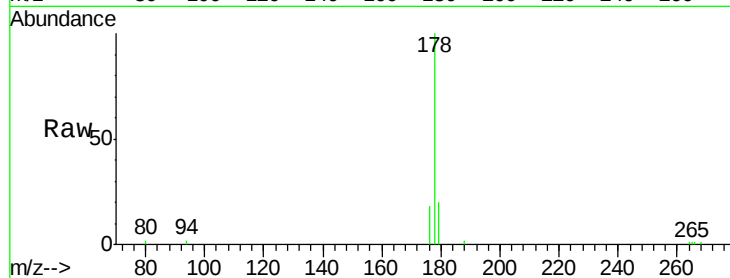
Tgt Ion:178 Resp: 7795

Ion Ratio Lower Upper

178 100

176 18.4 18.1 27.1

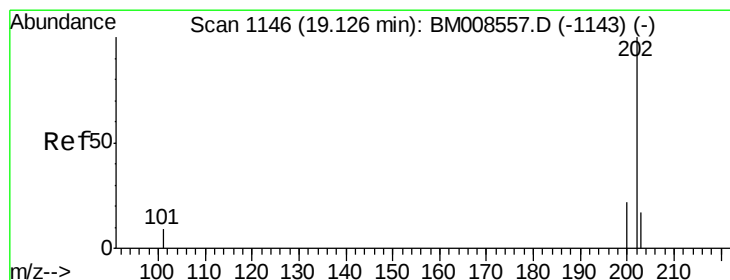
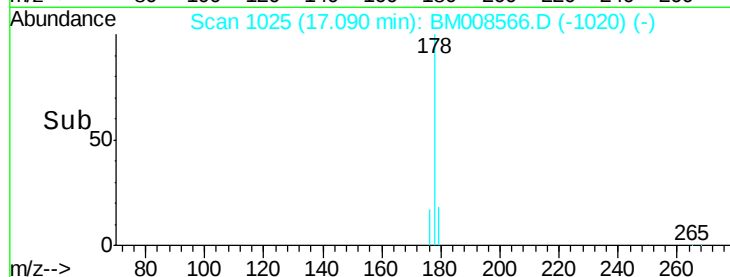
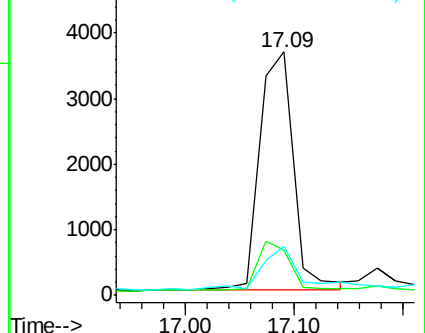
179 19.9 14.7 22.1



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

Fluoranthene

Concen: 0.30 ng/ul

RT: 19.12 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BM008566.D

Acq: 22 Dec 2016 21:27

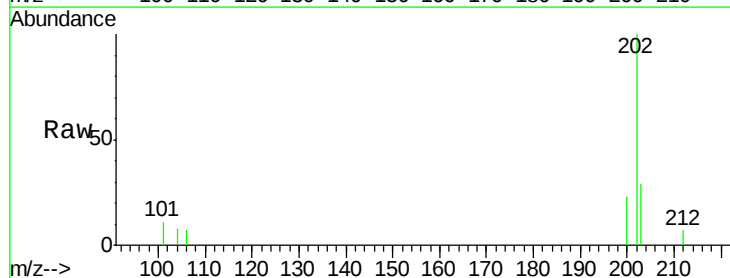
Tgt Ion:202 Resp: 1975

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.3

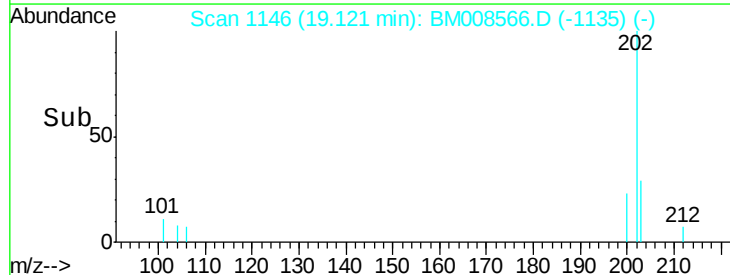
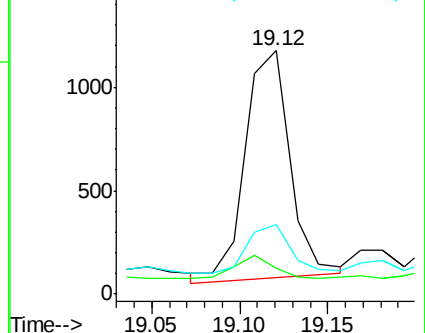
203 28.7 0.0 39.5

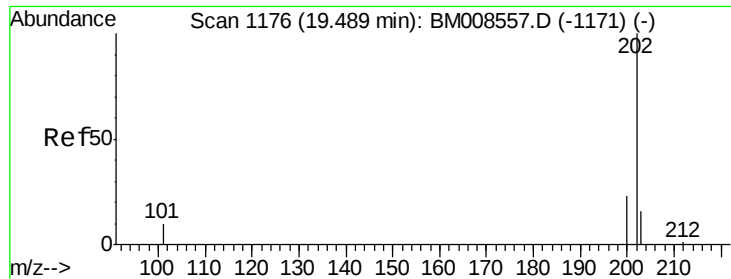


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

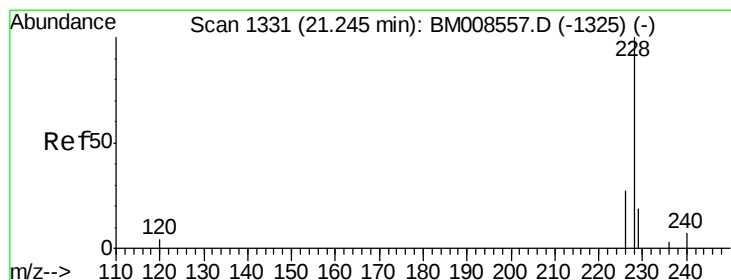
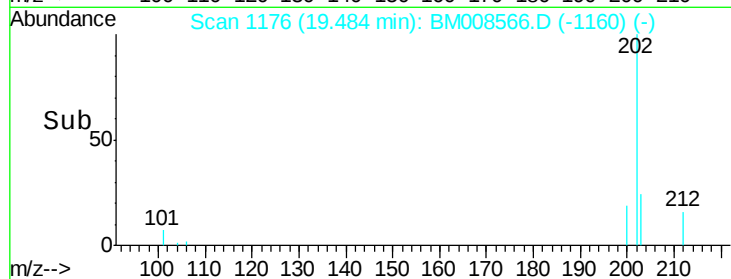
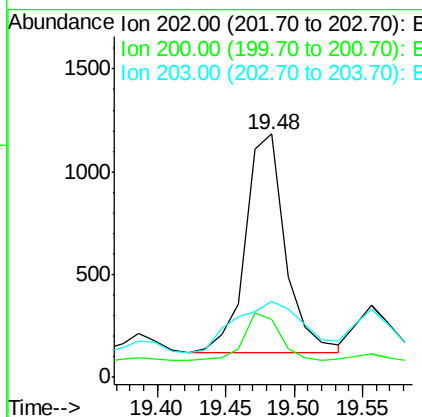
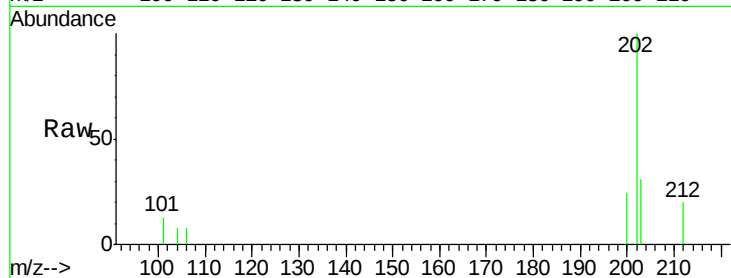




#17
 Pyrene
 Concen: 0.36 ng/ul
 RT: 19.48 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BM008566.D
 Acq: 22 Dec 2016 21:27

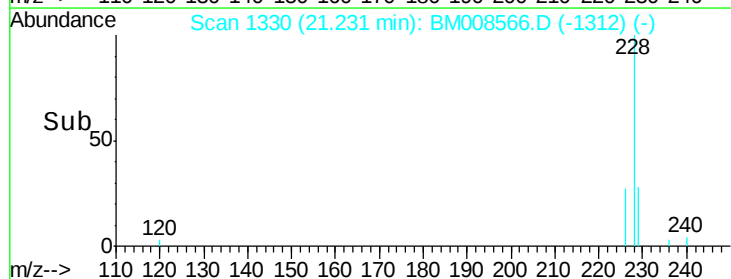
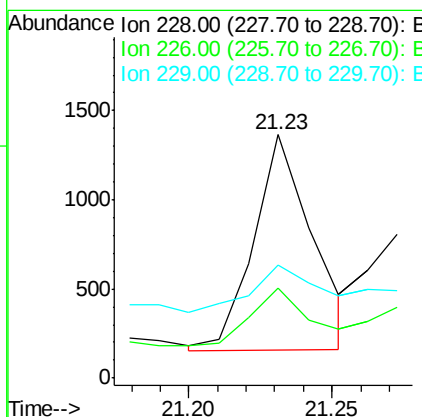
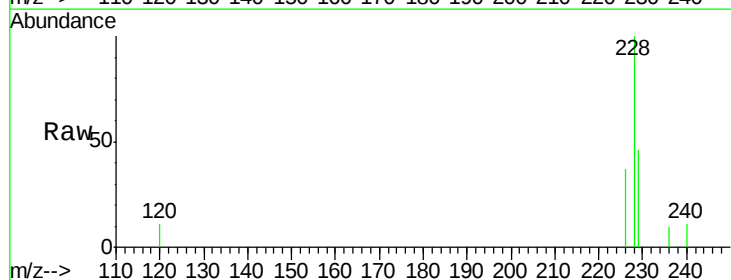
Instrument :
 BNA_M
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 DA835DL

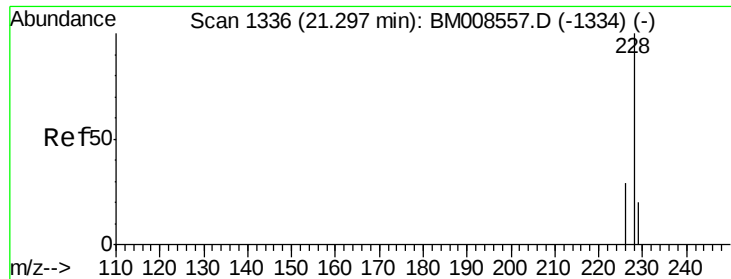
Tgt Ion: 202 Resp: 2141
 Ion Ratio Lower Upper
 202 100
 200 23.9 18.2 27.4
 203 31.3 15.6 23.4#



#18
 Benzo(a)anthracene
 Concen: 0.34 ng/ul
 RT: 21.23 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BM008566.D
 Acq: 22 Dec 2016 21:27

Tgt Ion: 228 Resp: 1717
 Ion Ratio Lower Upper
 228 100
 226 37.0 22.8 34.2#
 229 46.5 17.0 25.6#





#19

Chrysene

Concen: 0.37 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BM008566.D

Acq: 22 Dec 2016 21:27

Instrument :

BNA_M

ClientSampleId :

DA835DL

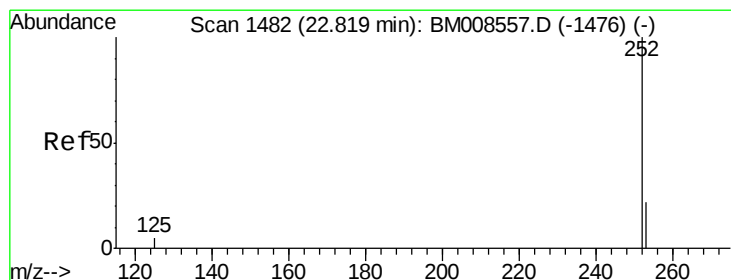
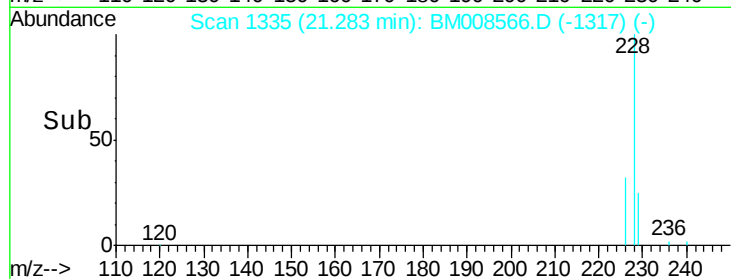
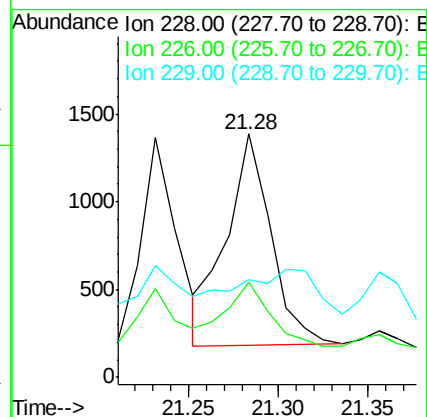
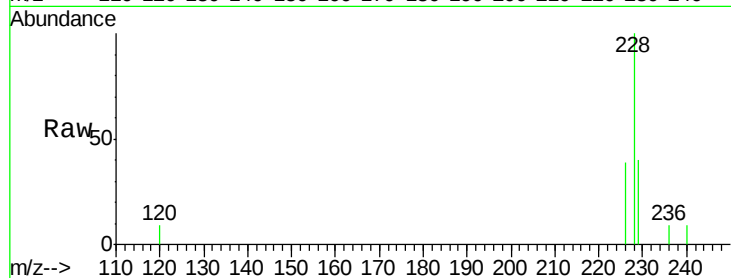
Tgt Ion:228 Resp: 2075

Ion Ratio Lower Upper

228 100

226 39.2 23.4 35.0#

229 39.9 17.7 26.5#



#21

Benzo(b)fluoranthene

Concen: 0.22 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.00 min

Lab File: BM008566.D

Acq: 22 Dec 2016 21:27

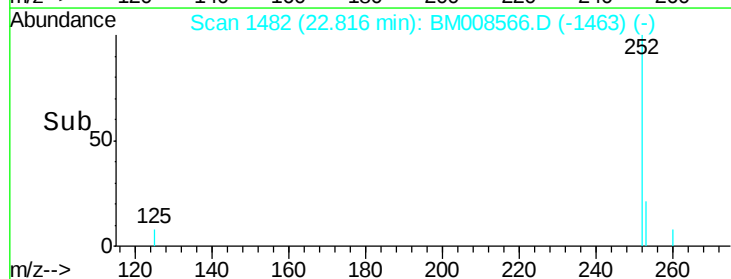
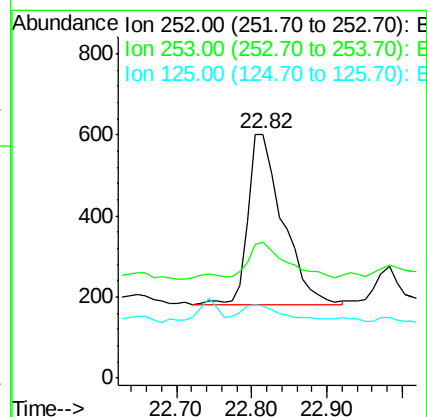
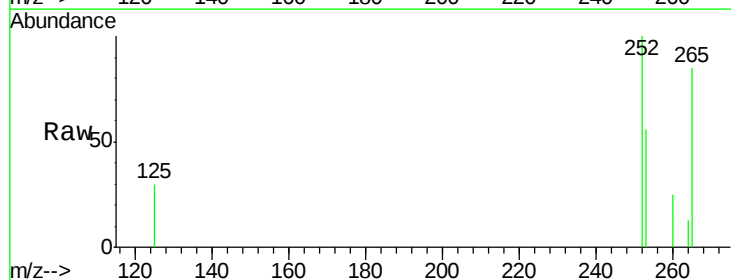
Tgt Ion:252 Resp: 1355

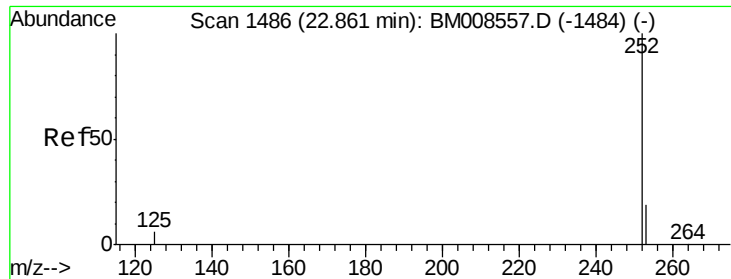
Ion Ratio Lower Upper

252 100

253 56.1 0.0 64.2

125 29.6 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.23 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.05 min

Lab File: BM008566.D

Acq: 22 Dec 2016 21:27

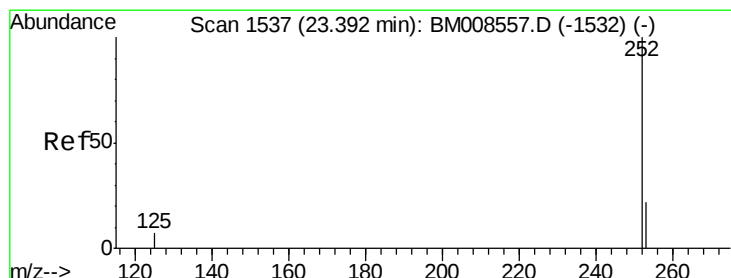
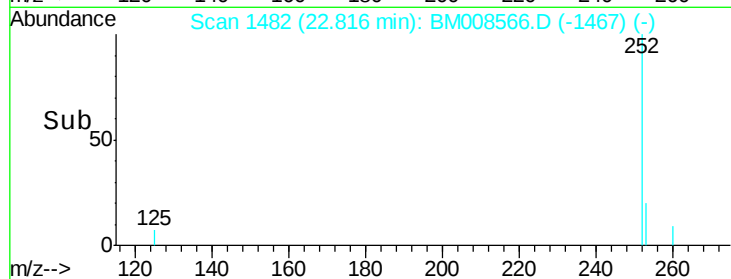
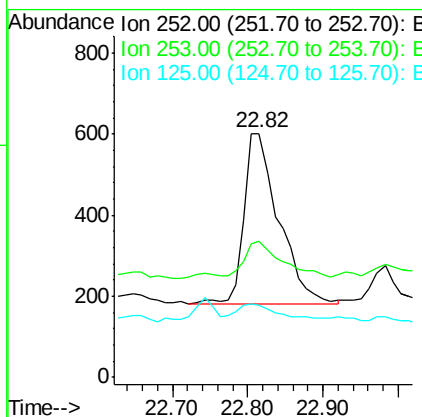
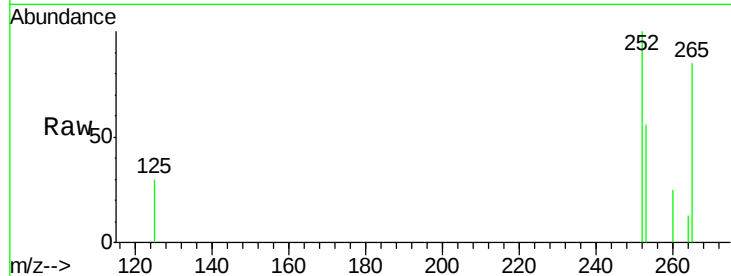
Instrument :

BNA_M

ClientSampleId :

DA835DL

Tgt Ion:	252	Resp:	1355
Ion Ratio	Lower	Upper	
252	100		
253	56.1	24.5	36.7#
125	29.6	13.7	20.5#



#23

Benzo(a)pyrene

Concen: 0.17 ng/ul

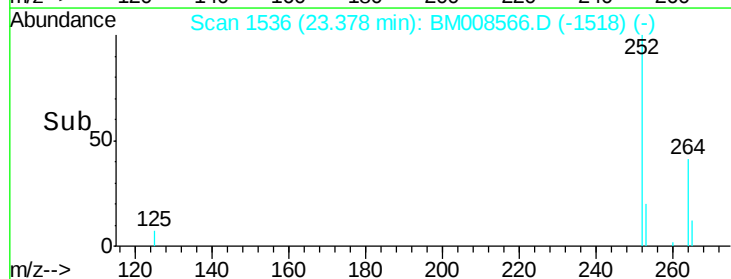
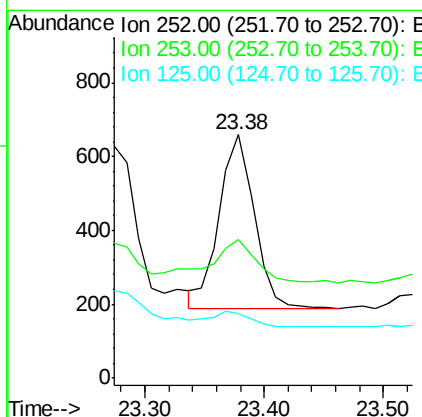
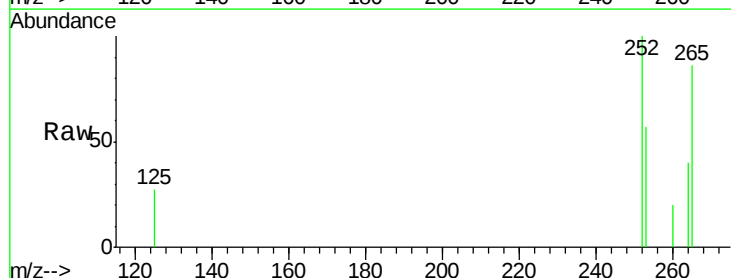
RT: 23.38 min Scan# 1536

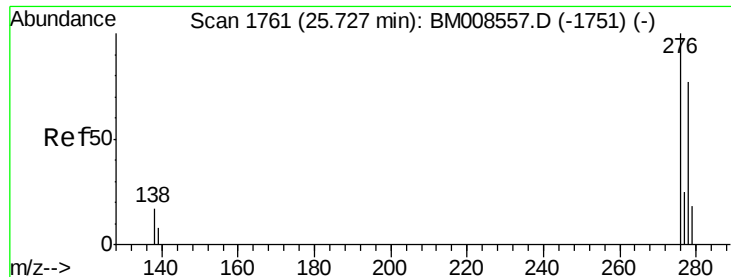
Delta R.T. -0.01 min

Lab File: BM008566.D

Acq: 22 Dec 2016 21:27

Tgt Ion:	252	Resp:	956
Ion Ratio	Lower	Upper	
252	100		
253	57.1	28.5	42.7#
125	26.6	18.1	27.1

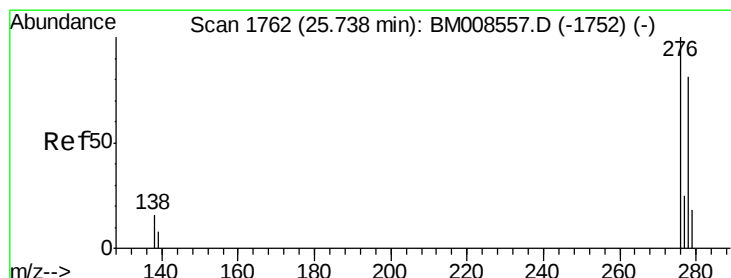
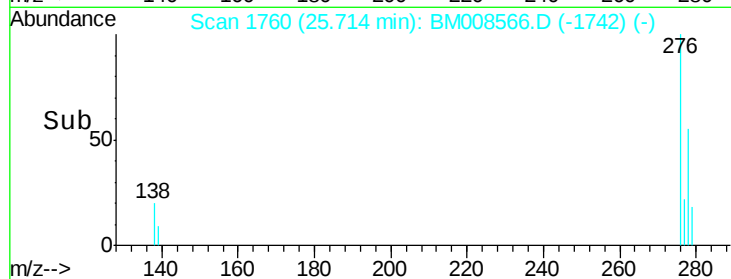
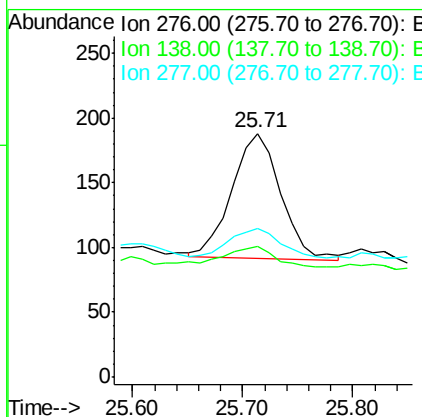
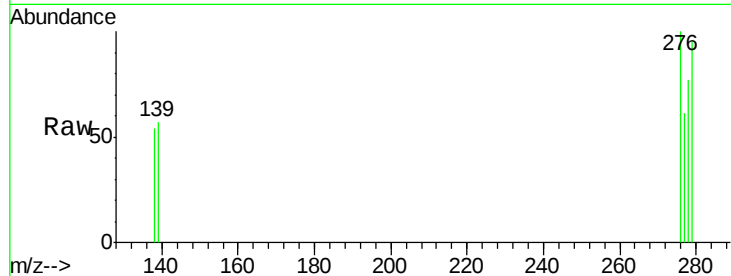




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.04 ng/ul
 RT: 25.71 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BM008566.D
 Acq: 22 Dec 2016 21:27

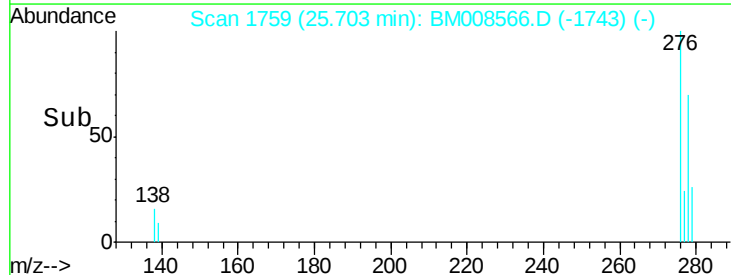
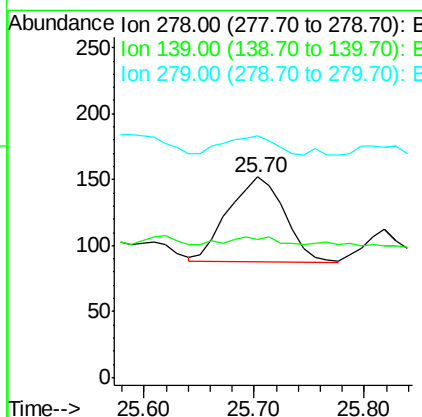
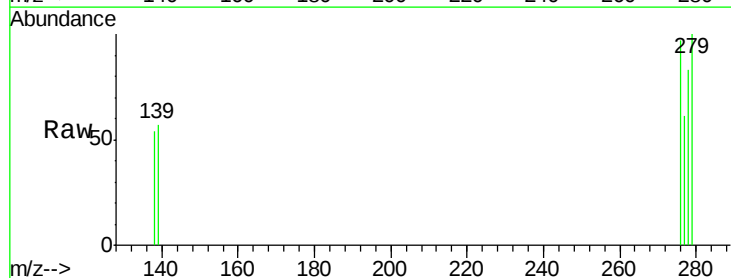
Instrument :
 BNA_M
 ClientSampleId :
 DA835DL

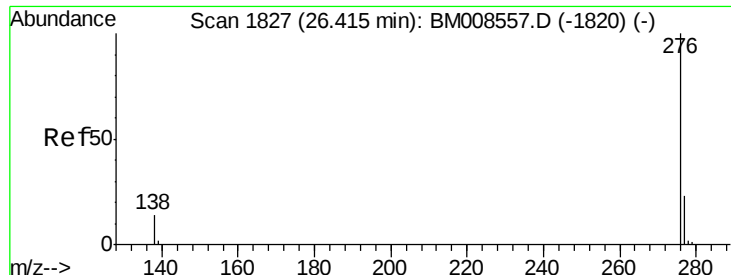
Tgt Ion: 276 Resp: 296
 Ion Ratio Lower Upper
 276 100
 138 17.2 19.1 28.7#
 277 27.4 19.6 29.4



#25
 Dibenzo(a,h)anthracene
 Concen: 0.04 ng/ul
 RT: 25.70 min Scan# 1759
 Delta R.T. -0.03 min
 Lab File: BM008566.D
 Acq: 22 Dec 2016 21:27

Tgt Ion: 278 Resp: 229
 Ion Ratio Lower Upper
 278 100
 139 69.1 17.4 26.0#
 279 120.4 25.9 38.9#





#26

Benzo(g,h,i)perylene

Concen: 0.09 ng/ul

RT: 26.40 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BM008566.D

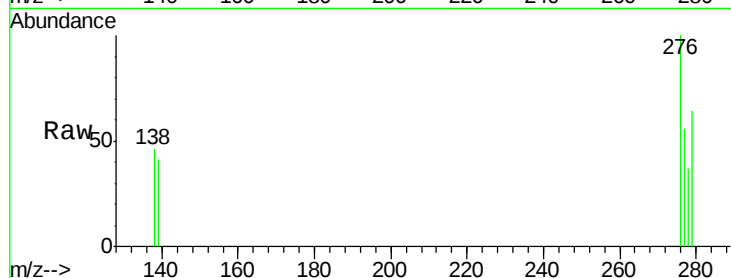
Acq: 22 Dec 2016 21:27

Instrument :

BNA_M

ClientSampleId :

DA835DL



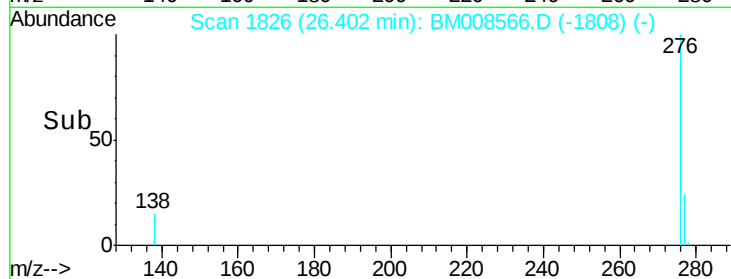
Tgt Ion: 276 Resp: 516

Ion Ratio Lower Upper

276 100

277 55.7 21.8 32.8#

138 46.5 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

26.40

250

200

150

100

50

0

Time--> 26.20 26.40 26.60