

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
 Data File : BM008569.D
 Acq On : 22 Dec 2016 23:15
 Operator : UM/SJ
 Sample : H5970-02DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA843DL

Quant Time: Dec 23 04:17:37 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	429	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.44	136	1383	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	798	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.04	188	1783	0.40	ng/ul	-0.03
16) Chrysene-d12	21.25	240	1633	0.40	ng/ul	-0.01
20) Perylene-d12	23.47	264	1771	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.03	152	97	0.05	ng/ul	-0.04
14) Fluoranthene-d10	19.08	212	1177	0.24	ng/ul	-0.02

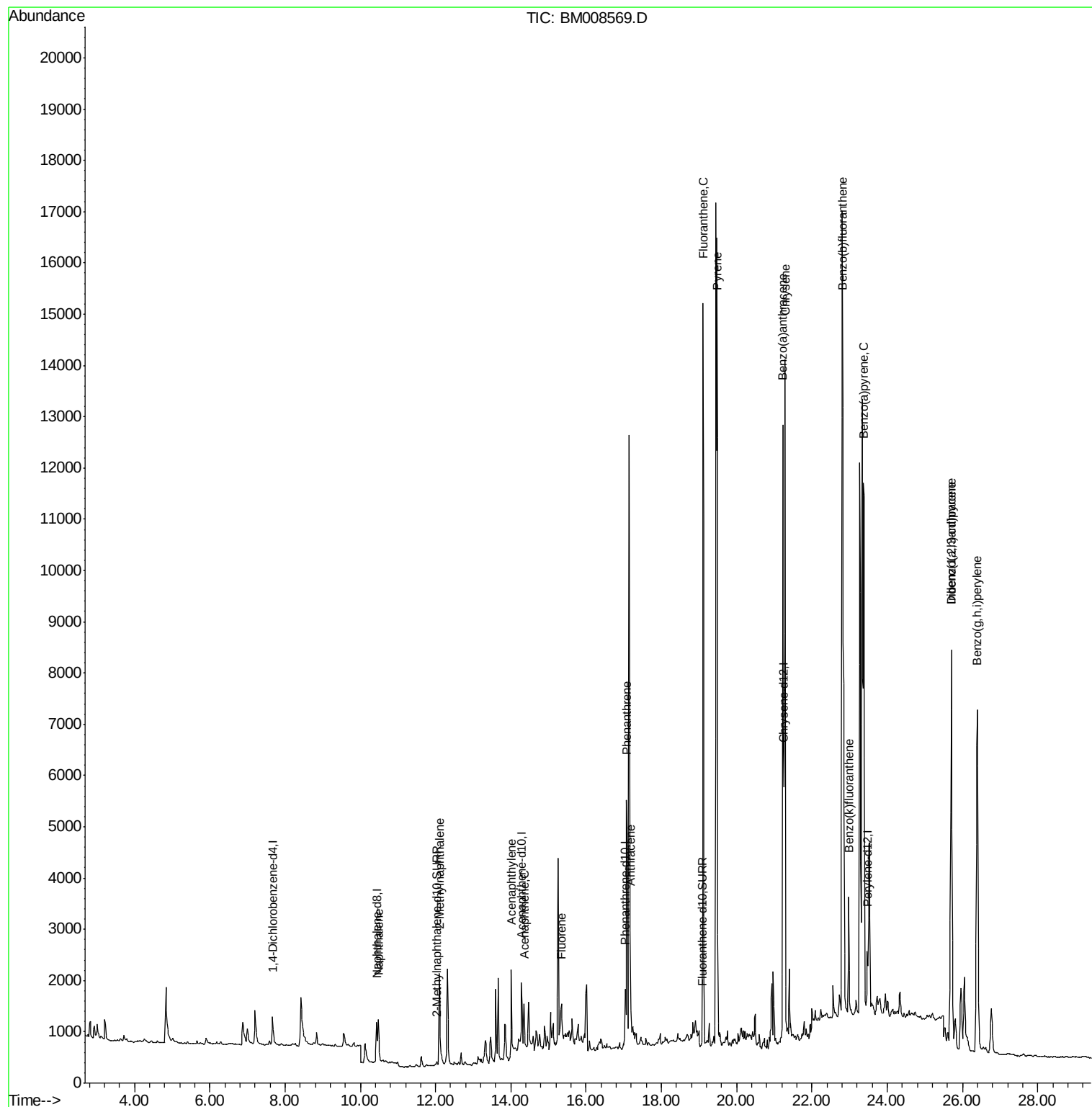
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.49	128	1589	0.41	ng/ul#	92
5) 2-Methylnaphthalene	12.10	142	1581	0.60	ng/ul	99
7) Acenaphthylene	14.01	152	1065	0.30	ng/ul#	86
8) Acenaphthene	14.35	153	481	0.18	ng/ul	94
9) Fluorene	15.34	166	823	0.27	ng/ul#	66
12) Phenanthrene	17.07	178	7222	1.33	ng/ul	98
13) Anthracene	17.18	178	2501	0.47	ng/ul	97
15) Fluoranthene	19.11	202	15136	2.27	ng/ul	95
17) Pyrene	19.47	202	16490	2.61	ng/ul	97
18) Benzo(a)anthracene	21.23	228	11715	2.18	ng/ul	98
19) Chrysene	21.28	228	13450	2.29	ng/ul	97
21) Benzo(b)fluoranthene	22.81	252	33775	4.84	ng/ul	83
22) Benzo(k)fluoranthene	22.97	252	3028	0.45	ng/ul	96
23) Benzo(a)pyrene	23.37	252	15762	2.44	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.70	276	13972	1.81	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.70	278	3408	0.55	ng/ul	95
26) Benzo(g,h,i)perylene	26.39	276	14544	2.20	ng/ul#	88

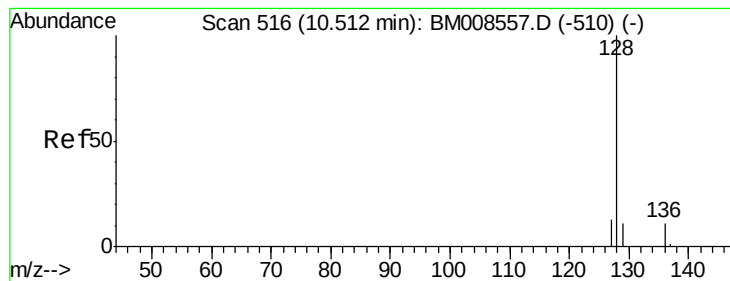
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.49 min Scan# 514

Delta R.T. -0.02 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Instrument :

BNA_M

ClientSampleId :

DA843DL

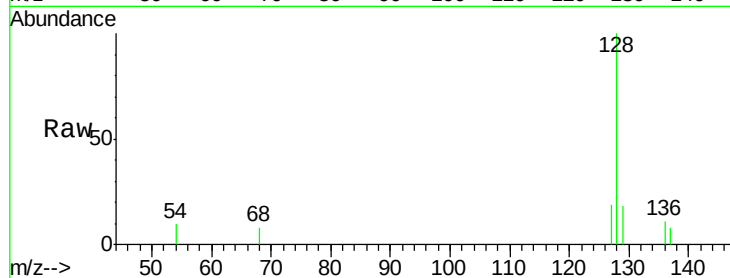
Tgt Ion:128 Resp: 1589

Ion Ratio Lower Upper

128 100

129 17.9 11.3 16.9#

127 18.6 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

10.49

800

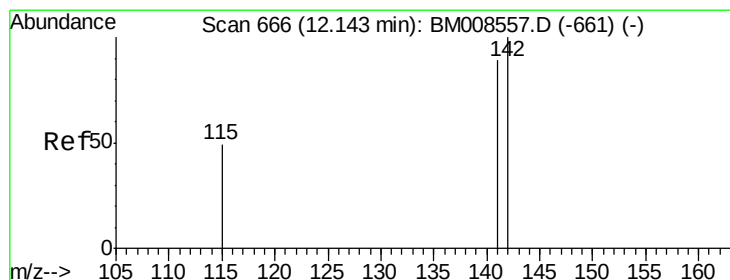
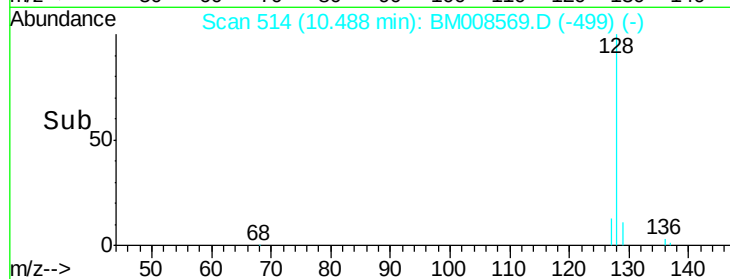
600

400

200

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.60 ng/ul

RT: 12.10 min Scan# 662

Delta R.T. -0.04 min

Lab File: BM008569.D

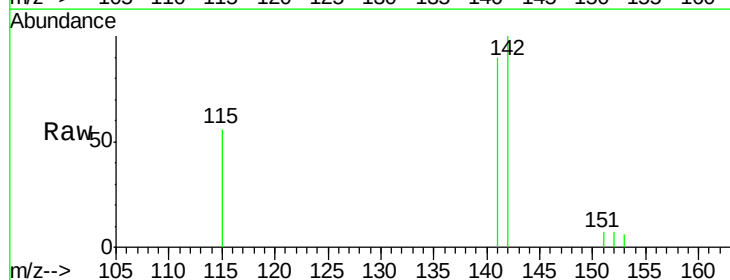
Acq: 22 Dec 2016 23:15

Tgt Ion:142 Resp: 1581

Ion Ratio Lower Upper

142 100

141 89.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.10

800

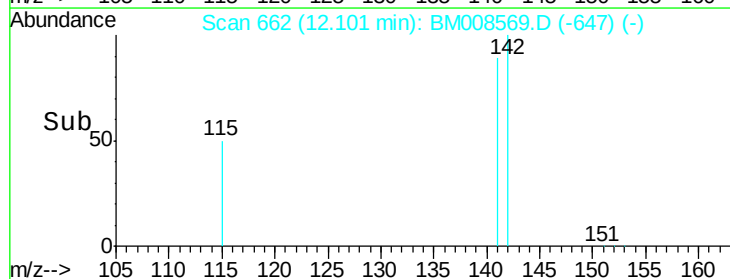
600

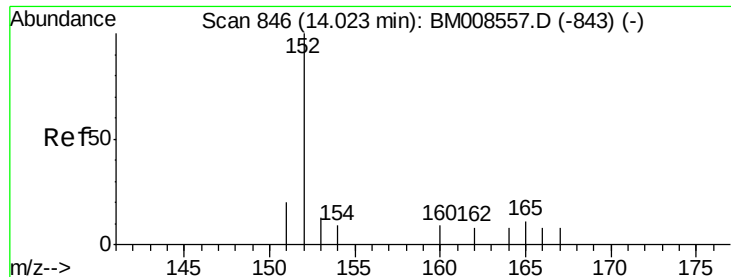
400

200

0

Time-->





#7

Acenaphthylene

Concen: 0.30 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.02 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Instrument :

BNA_M

ClientSampled :

DA843DL

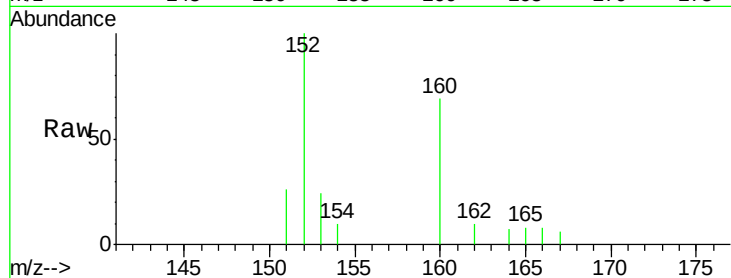
Tgt Ion:152 Resp: 1065

Ion Ratio Lower Upper

152 100

151 25.6 17.1 25.7

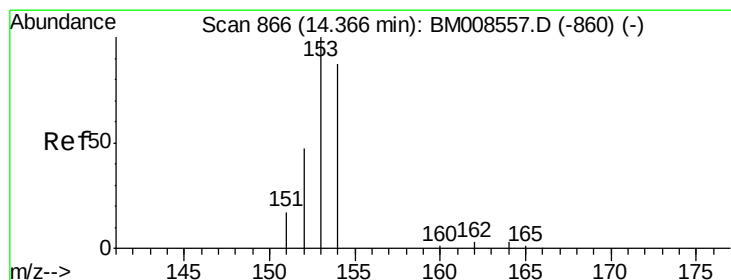
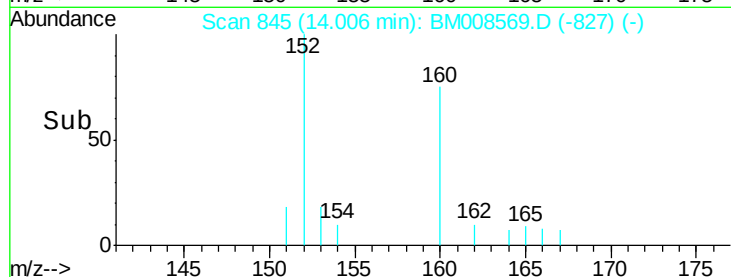
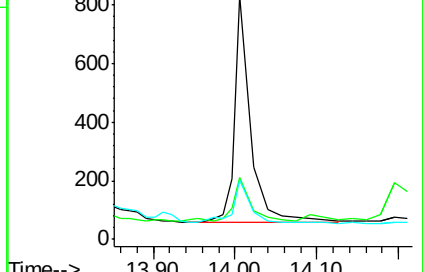
153 24.3 12.8 19.2#



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: 0.18 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.02 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

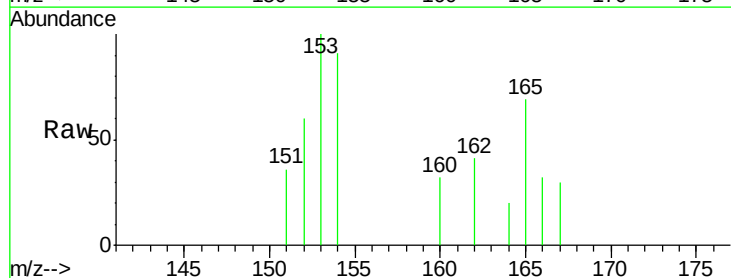
Tgt Ion:153 Resp: 481

Ion Ratio Lower Upper

153 100

152 59.7 40.3 60.5

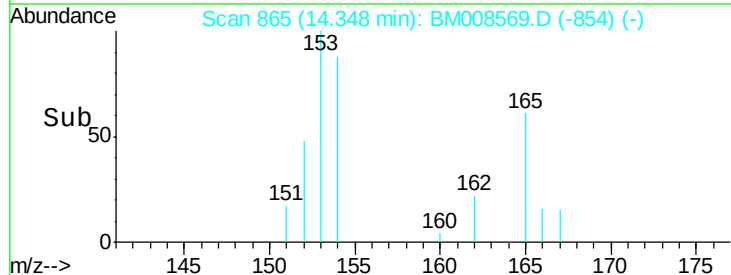
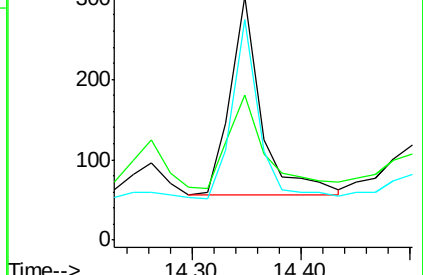
154 90.8 71.4 107.2

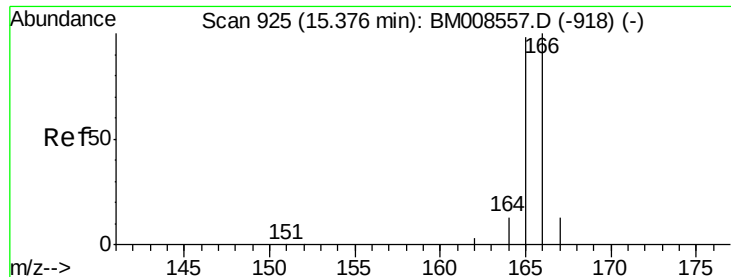


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

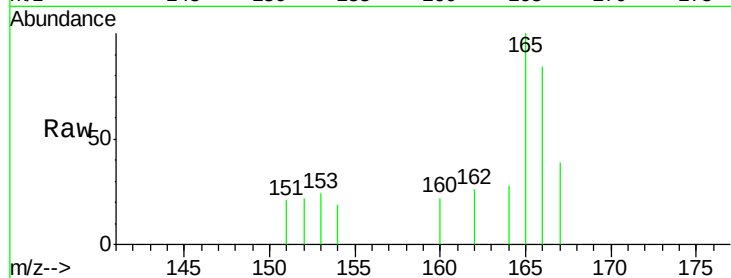




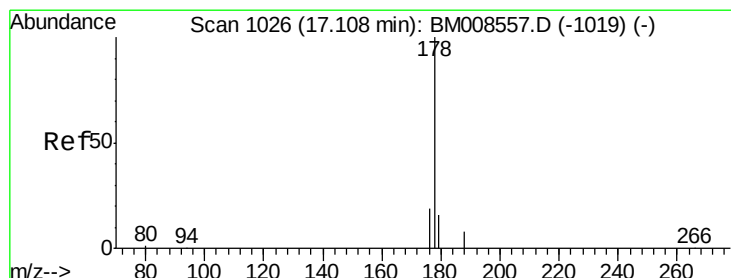
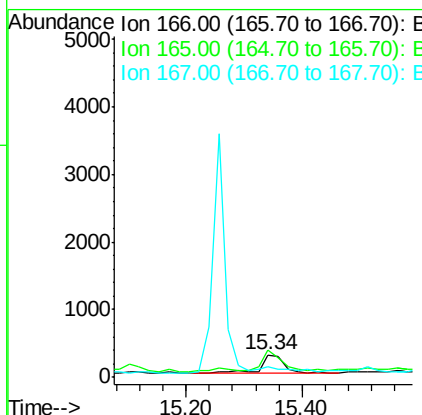
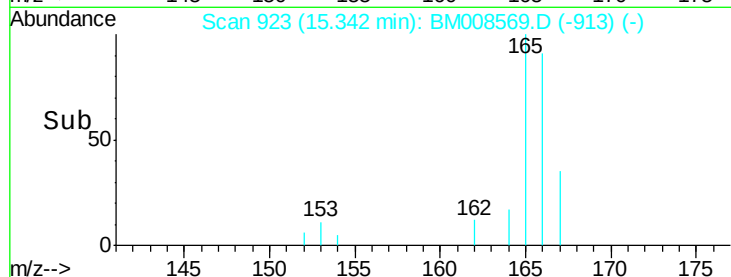
#9
Fluorene
 Concen: 0.27 ng/ul
 RT: 15.34 min Scan# 923
 Delta R.T. -0.03 min
 Lab File: BM008569.D
 Acq: 22 Dec 2016 23:15

Instrument :
 BNA_M
 ClientSampleId :
 DA843DL

Tgt Ion:166 Resp: 823
 Ion Ratio Lower Upper
 166 100
 165 119.1 73.4 110.2#
 167 46.6 14.6 22.0#

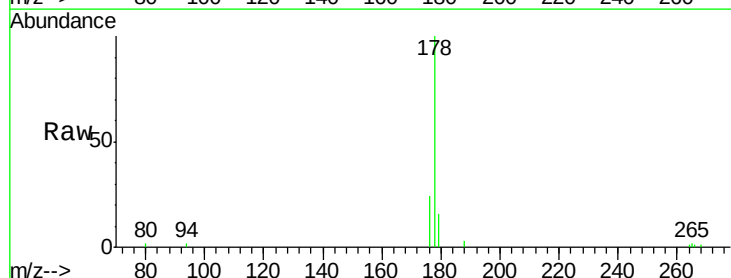


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

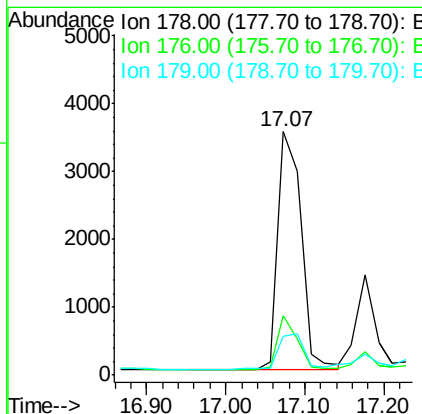
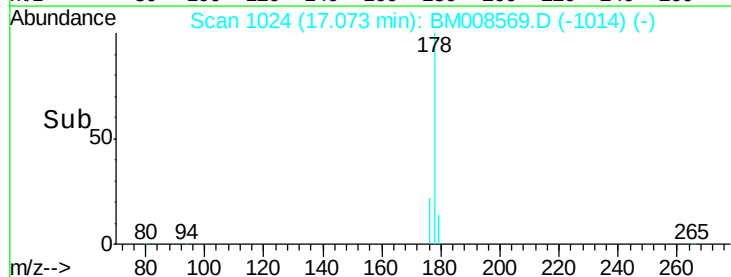


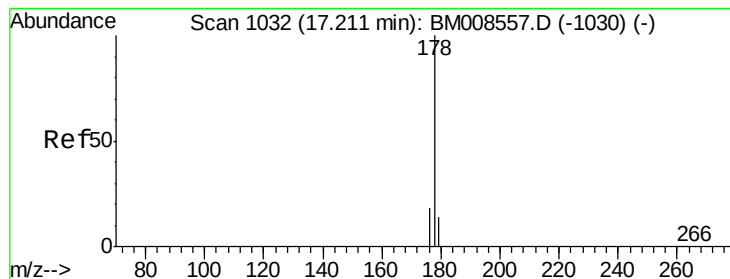
#12
Phenanthrene
 Concen: 1.33 ng/ul
 RT: 17.07 min Scan# 1024
 Delta R.T. -0.03 min
 Lab File: BM008569.D
 Acq: 22 Dec 2016 23:15

Tgt Ion:178 Resp: 7222
 Ion Ratio Lower Upper
 178 100
 176 24.4 18.4 27.6
 179 16.2 13.6 20.4



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





#13

Anthracene

Concen: 0.47 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.03 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Instrument :

BNA_M

ClientSampleId :

DA843DL

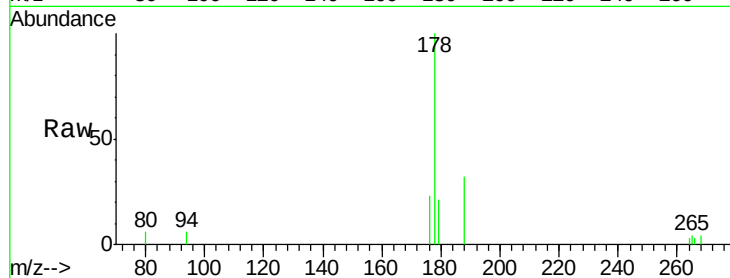
Tgt Ion:178 Resp: 2501

Ion Ratio Lower Upper

178 100

176 23.0 18.1 27.1

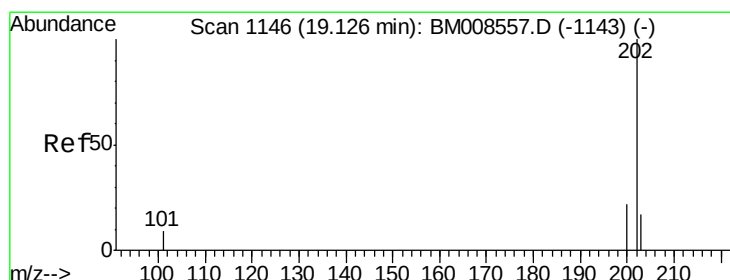
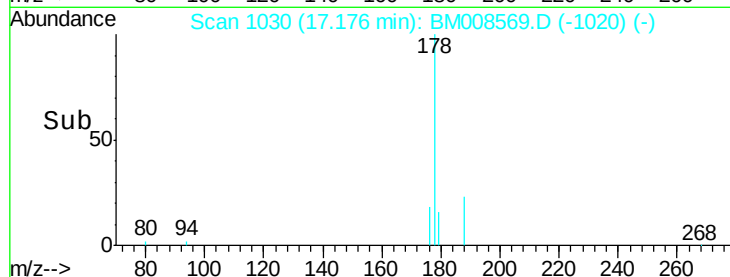
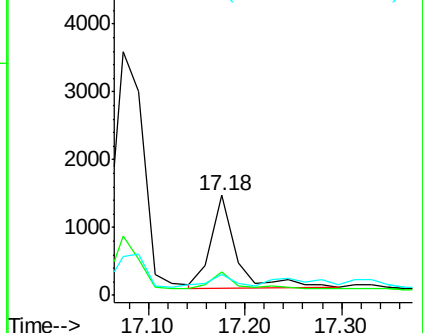
179 20.8 14.7 22.1



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: 2.27 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. -0.02 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

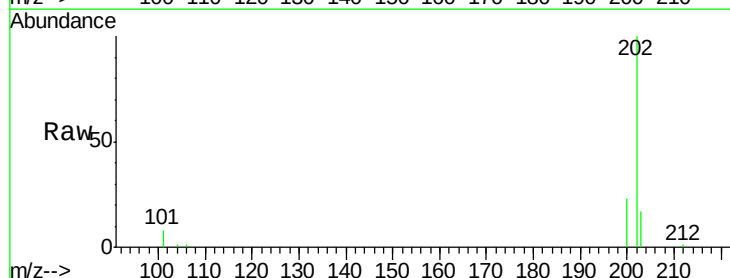
Tgt Ion:202 Resp: 15136

Ion Ratio Lower Upper

202 100

101 8.4 0.0 30.3

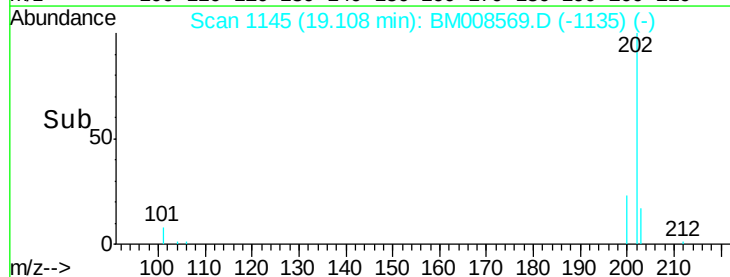
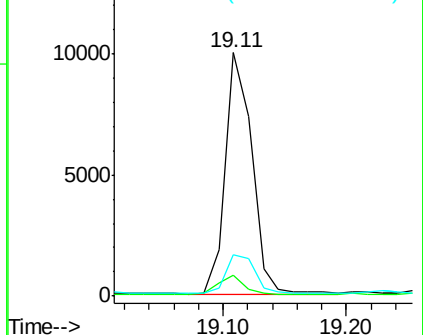
203 17.0 0.0 39.5

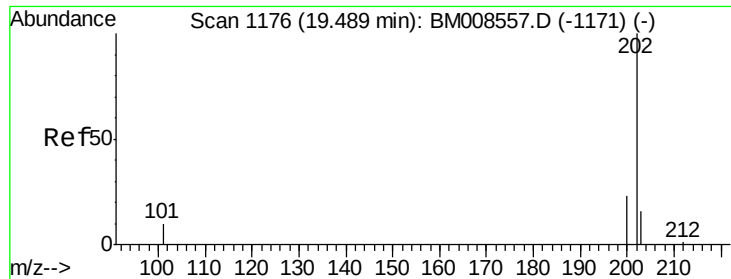


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

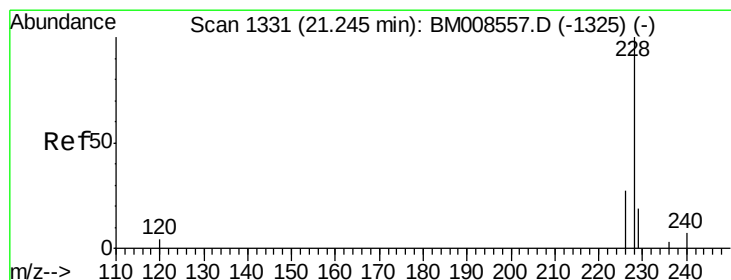
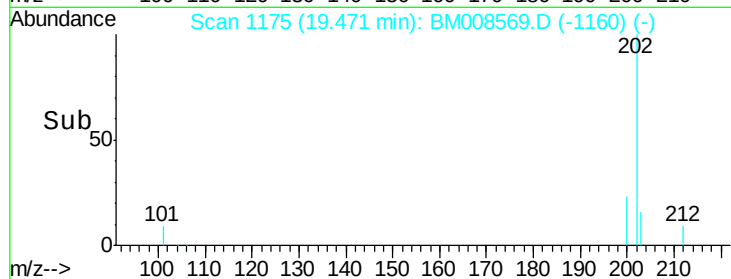
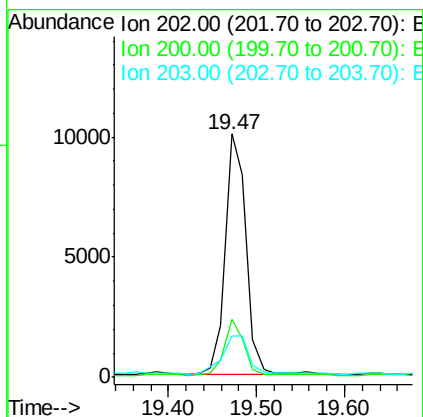
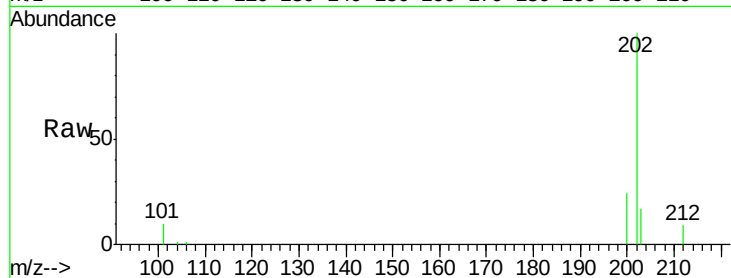




#17
 Pyrene
 Concen: 2.61 ng/ul
 RT: 19.47 min Scan# 1175
 Delta R.T. -0.02 min
 Lab File: BM008569.D
 Acq: 22 Dec 2016 23:15

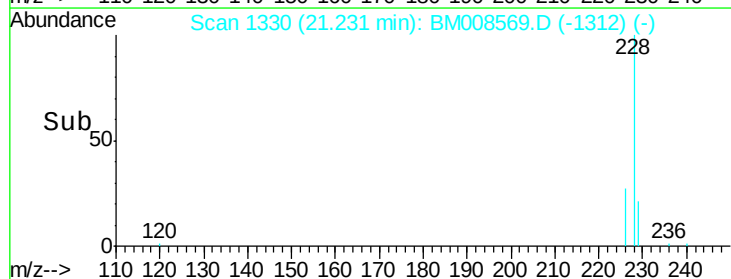
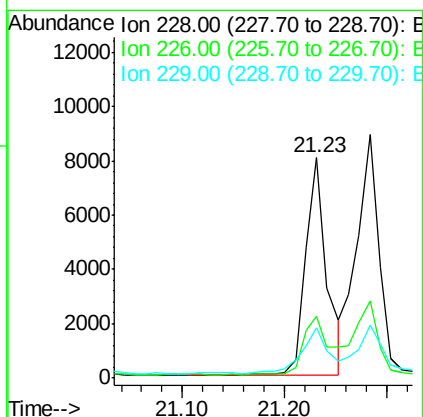
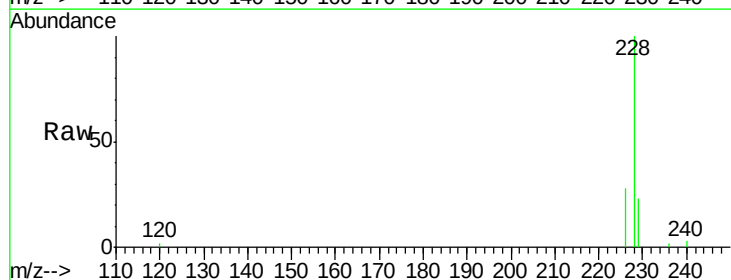
Instrument :
 BNA_M
 ClientSampleId :
 DA843DL

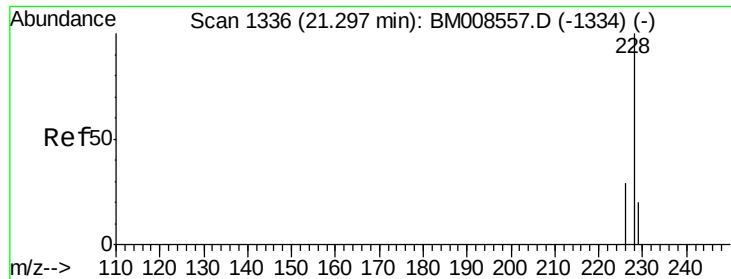
Tgt Ion: 202 Resp: 16490
 Ion Ratio Lower Upper
 202 100
 200 23.7 18.2 27.4
 203 17.1 15.6 23.4



#18
 Benzo(a)anthracene
 Concen: 2.18 ng/ul
 RT: 21.23 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BM008569.D
 Acq: 22 Dec 2016 23:15

Tgt Ion: 228 Resp: 11715
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.8 34.2
 229 23.1 17.0 25.6





#19

Chrysene

Concen: 2.29 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Instrument :

BNA_M

ClientSampleId :

DA843DL

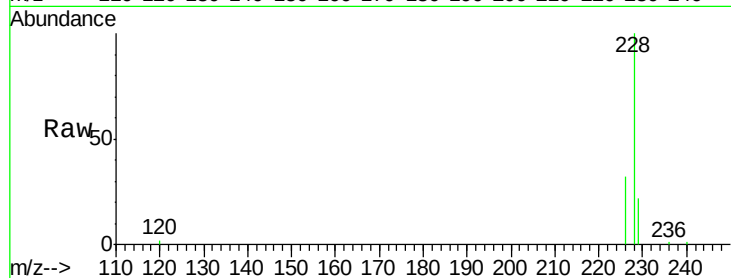
Tgt Ion:228 Resp: 13450

Ion Ratio Lower Upper

228 100

226 31.5 23.4 35.0

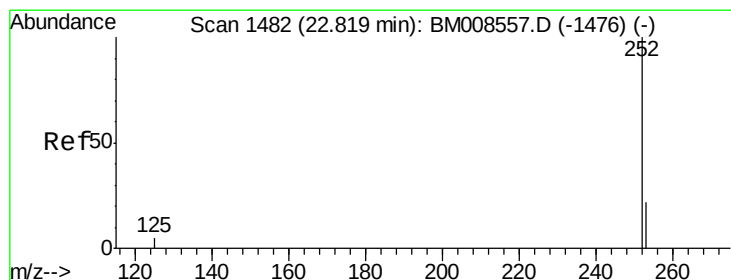
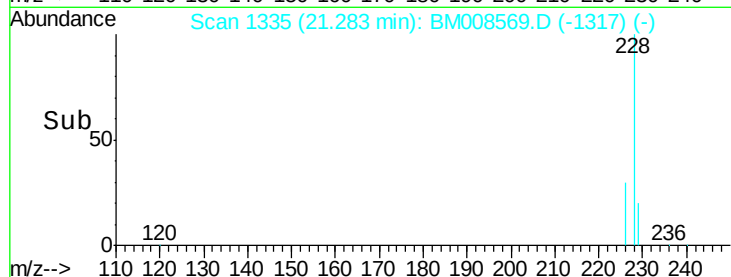
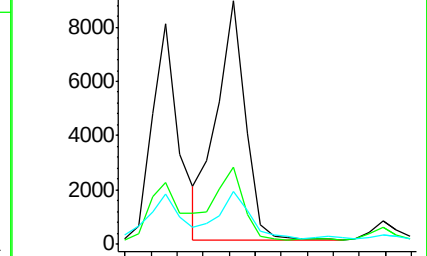
229 21.6 17.7 26.5



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: 4.84 ng/ul

RT: 22.81 min Scan# 1481

Delta R.T. -0.01 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

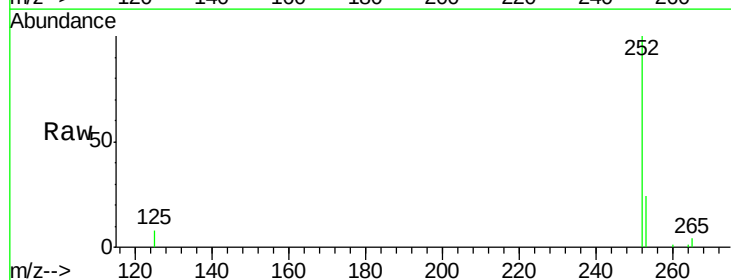
Tgt Ion:252 Resp: 33775

Ion Ratio Lower Upper

252 100

253 23.8 0.0 64.2

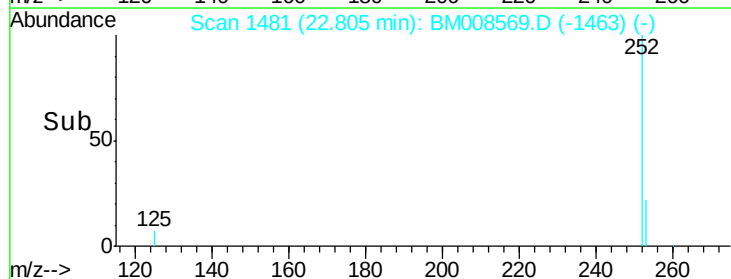
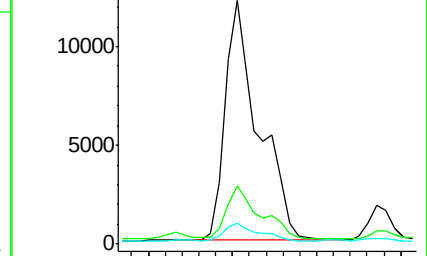
125 8.5 0.0 35.0

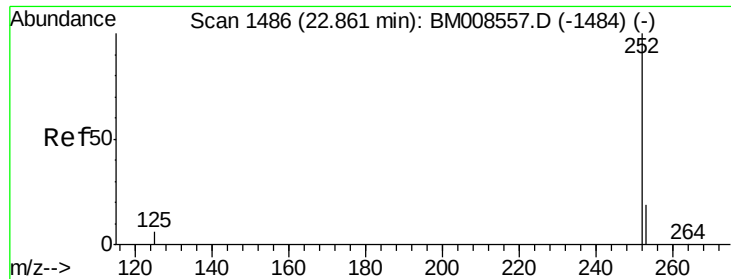


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.45 ng/ul

RT: 22.97 min Scan# 1497

Delta R.T. 0.11 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Instrument :

BNA_M

ClientSampleId :

DA843DL

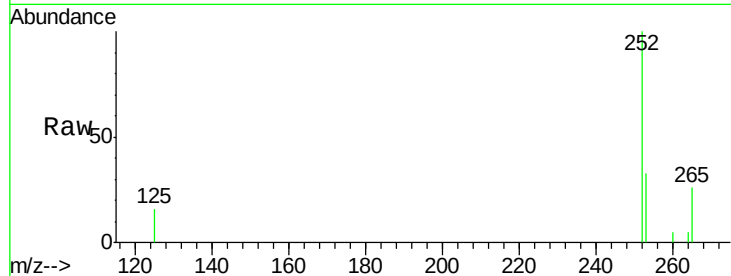
Tgt Ion:252 Resp: 3028

Ion Ratio Lower Upper

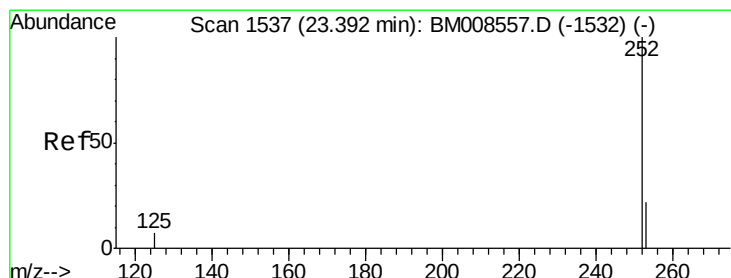
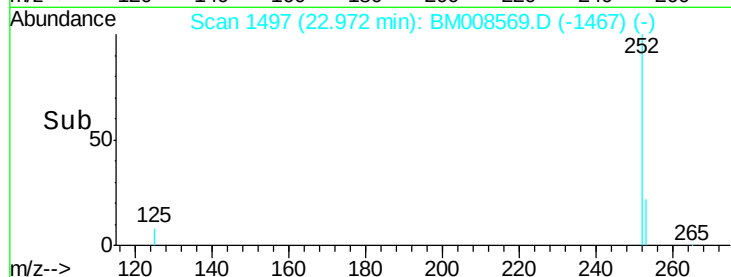
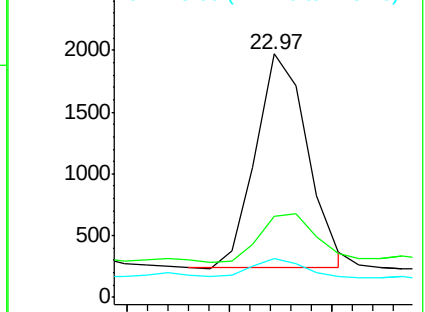
252 100

253 33.1 24.5 36.7

125 15.7 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: 2.44 ng/ul

RT: 23.37 min Scan# 1535

Delta R.T. -0.02 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

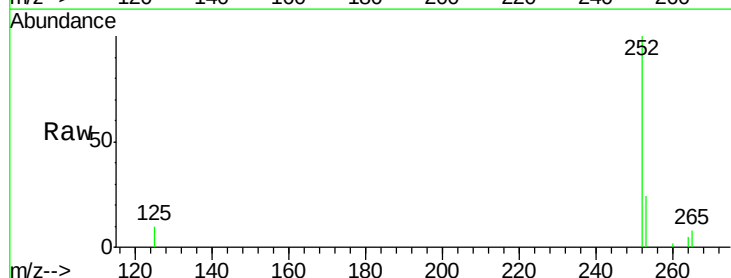
Tgt Ion:252 Resp: 15762

Ion Ratio Lower Upper

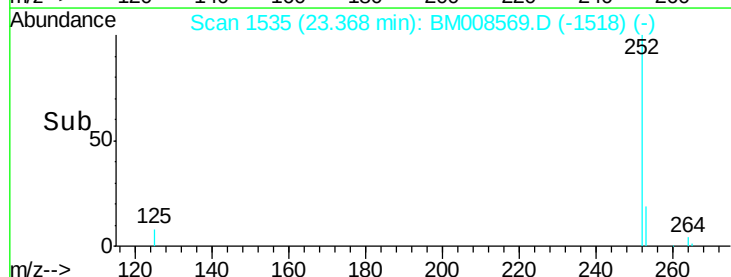
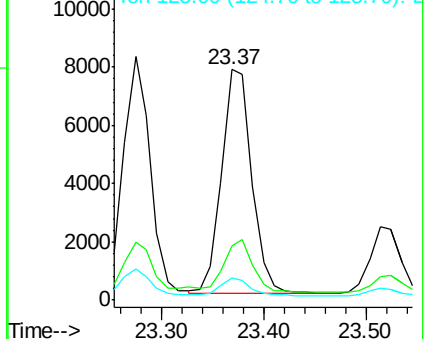
252 100

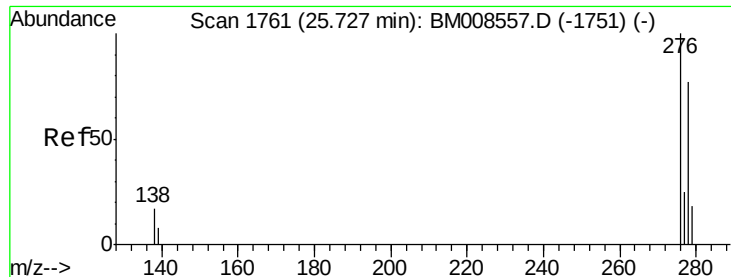
253 23.5 28.5 42.7#

125 9.9 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: 1.81 ng/ul

RT: 25.70 min Scan# 1759

Delta R.T. -0.02 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Instrument :

BNA_M

ClientSampleId :

DA843DL

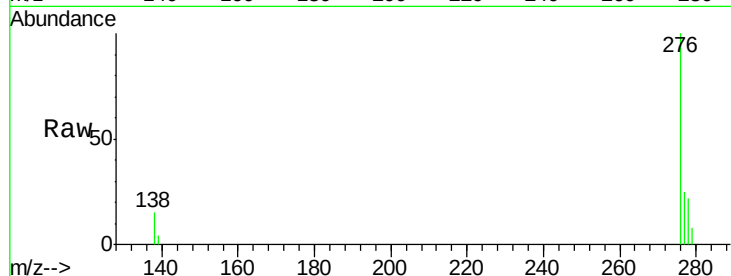
Tgt Ion:276 Resp: 13972

Ion Ratio Lower Upper

276 100

138 14.1 19.1 28.7#

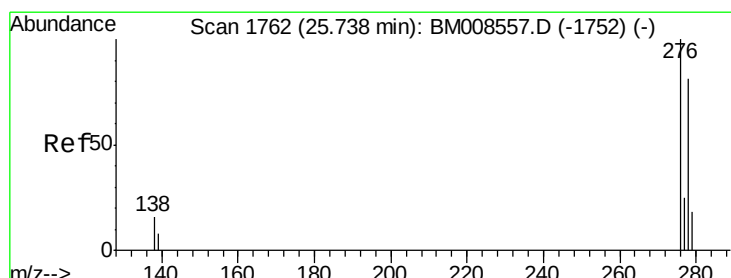
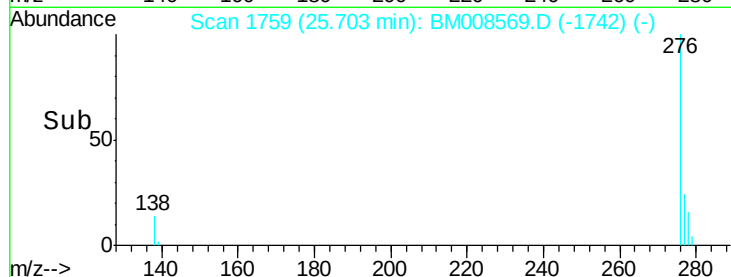
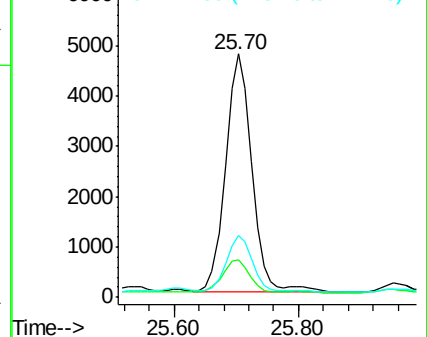
277 23.8 19.6 29.4



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: 0.55 ng/ul

RT: 25.70 min Scan# 1759

Delta R.T. -0.03 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

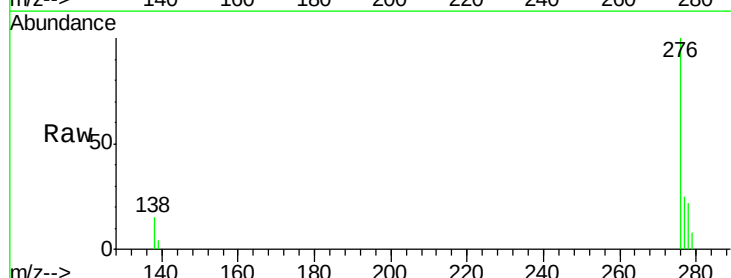
Tgt Ion:278 Resp: 3408

Ion Ratio Lower Upper

278 100

139 20.1 17.4 26.0

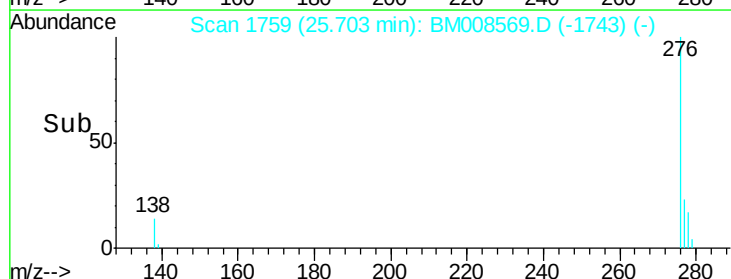
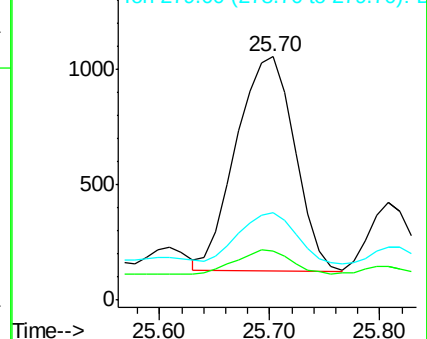
279 35.9 25.9 38.9

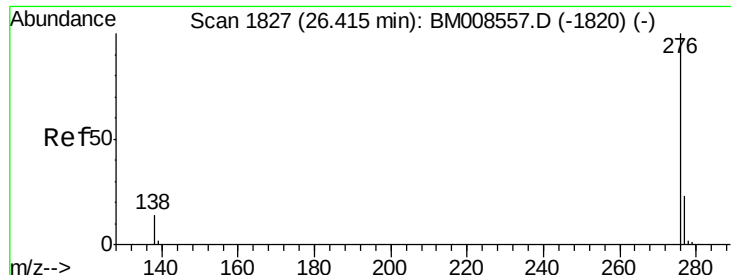


Abundance Ion 278.00 (277.70 to 278.70): E

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: 2.20 ng/ul

RT: 26.39 min Scan# 1825

Delta R.T. -0.02 min

Lab File: BM008569.D

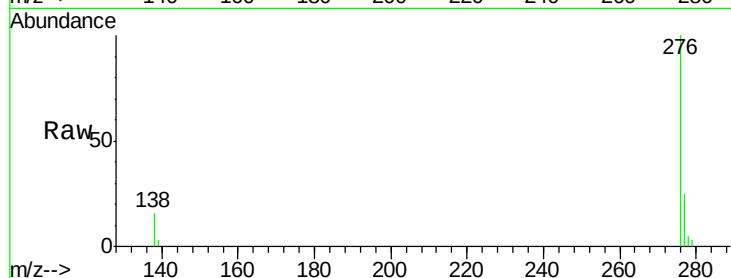
Acq: 22 Dec 2016 23:15

Instrument :

BNA_M

ClientSampleId :

DA843DL



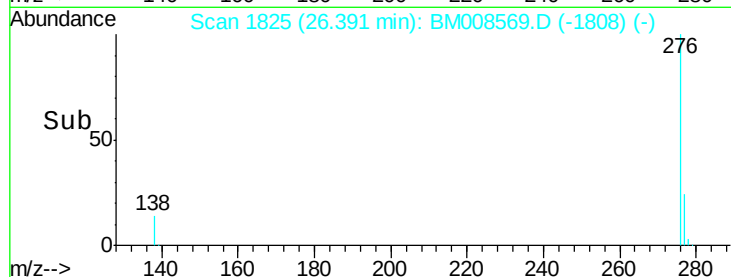
Tgt Ion: 276 Resp: 14544

Ion Ratio Lower Upper

276 100

277 25.3 21.8 32.8

138 15.5 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

