

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008705.D
 Acq On : 28 Dec 2016 22:09
 Operator : UM/SJ
 Sample : H6067-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G4

Quant Time: Dec 29 03:34:11 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

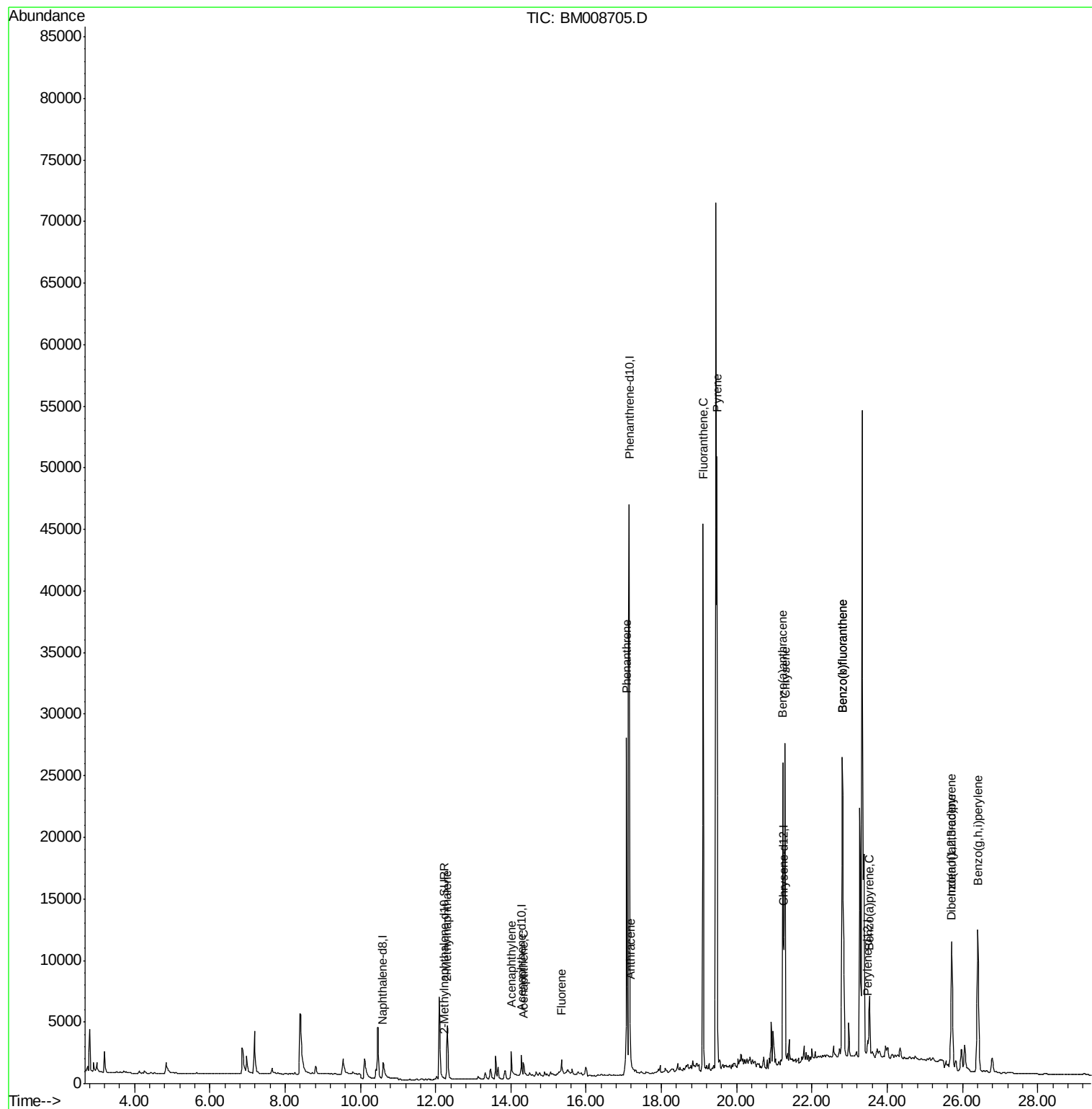
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng/ul	-7.82
2) Naphthalene-d8	10.60	136	62	0.40	ng/ul	0.04
6) Acenaphthene-d10	14.28	164	837	0.40	ng/ul	-0.07
10) Phenanthrene-d10	17.14	188	73033	0.40	ng/ul	0.03
16) Chrysene-d12	21.25	240	1660	0.40	ng/ul	-0.03
20) Perylene-d12	23.48	264	2553	0.40	ng/ul	-0.04
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.24	152	39	0.41	ng/ul	0.07
14) Fluoranthene-d10	19.13	212	126	0.00	ng/ul	0.00
Target Compounds				Qvalue		
5) 2-Methylnaphthalene	12.31	142	3737	31.83	ng/ul	97
7) Acenaphthylene	14.01	152	1095	0.29	ng/ul#	84
8) Acenaphthene	14.33	153	914	0.32	ng/ul#	85
9) Fluorene	15.34	166	1410	0.43	ng/ul#	84
12) Phenanthrene	17.07	178	30041	0.13	ng/ul	95
13) Anthracene	17.18	178	4602	0.02	ng/ul#	93
15) Fluoranthene	19.11	202	43722	0.16	ng/ul	94
17) Pyrene	19.47	202	47022	7.33	ng/ul	96
18) Benzo(a)anthracene	21.23	228	25751	4.72	ng/ul	96
19) Chrysene	21.28	228	26901	4.51	ng/ul	97
21) Benzo(b)fluoranthene	22.80	252	51852	5.16	ng/ul	83
22) Benzo(k)fluoranthene	22.80	252	51852	5.29	ng/ul#	85
23) Benzo(a)pyrene	23.52	252	5862	0.63	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.71	276	18669	1.68	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.70	278	5371	0.61	ng/ul	95
26) Benzo(g,h,i)perylene	26.40	276	26364	2.77	ng/ul#	89

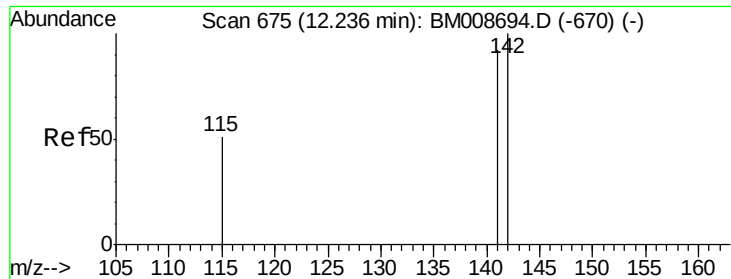
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

2-Methylnaphthalene

Concen: 31.83 ng/ul

RT: 12.31 min Scan# 682

Delta R.T. 0.07 min

Lab File: BM008705.D

Acq: 28 Dec 2016 22:09

Instrument :

BNA_M

ClientSampleId :

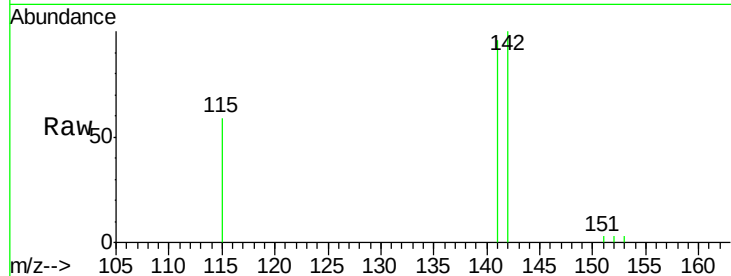
DA7G4

Tgt Ion:142 Resp: 3737

Ion Ratio Lower Upper

142 100

141 93.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

2000

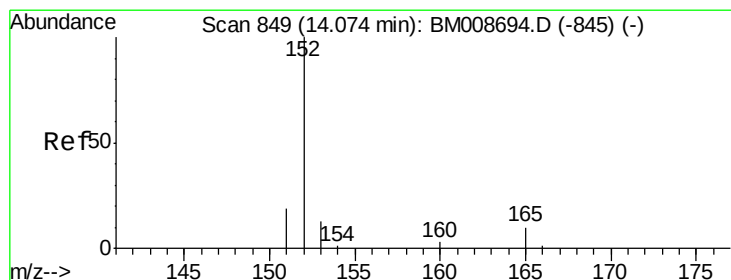
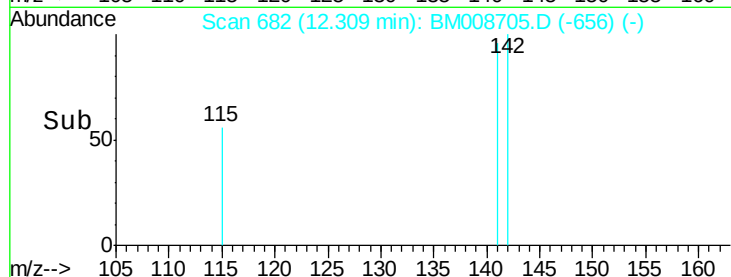
1500

1000

500

0

Time--> 12.20 12.30 12.40



#7

Acenaphthylene

Concen: 0.29 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.07 min

Lab File: BM008705.D

Acq: 28 Dec 2016 22:09

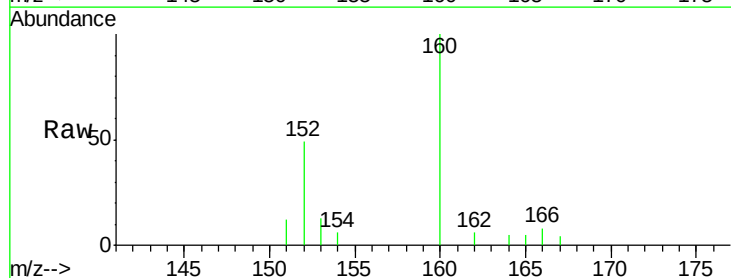
Tgt Ion:152 Resp: 1095

Ion Ratio Lower Upper

152 100

151 25.3 17.1 25.7

153 26.8 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

800

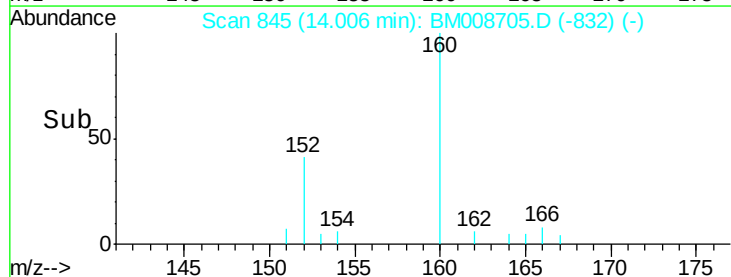
600

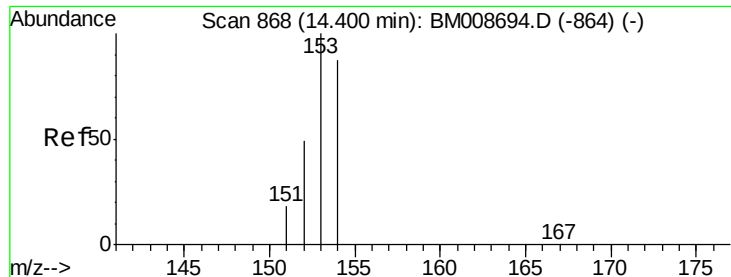
400

200

0

Time--> 13.90 14.00 14.10 14.20





#8

Acenaphthene

Concen: 0.32 ng/ul

RT: 14.33 min Scan# 864

Delta R.T. -0.07 min

Lab File: BM008705.D

Acq: 28 Dec 2016 22:09

Instrument :

BNA_M

ClientSampleId :

DA7G4

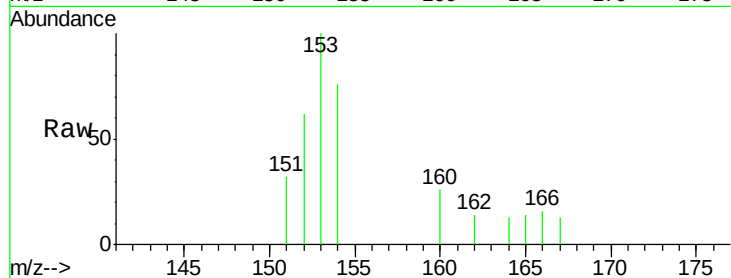
Tgt Ion:153 Resp: 914

Ion Ratio Lower Upper

153 100

152 61.6 40.3 60.5#

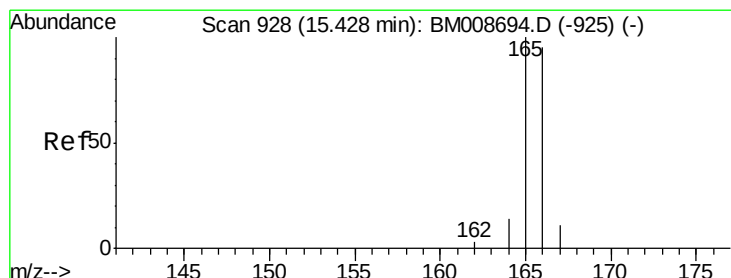
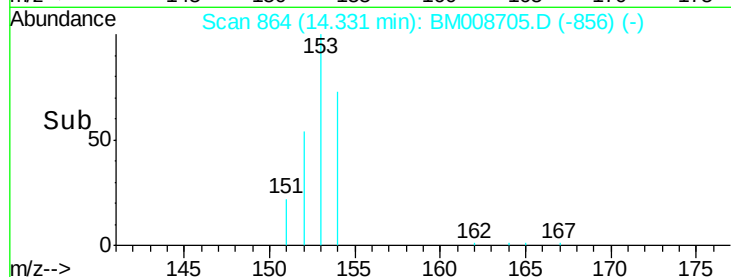
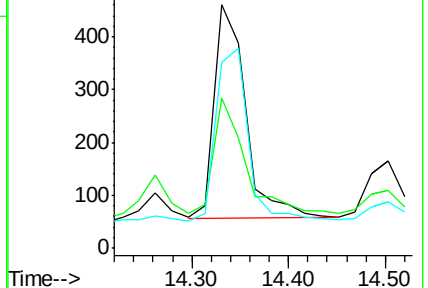
154 76.1 71.4 107.2



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: 0.43 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.09 min

Lab File: BM008705.D

Acq: 28 Dec 2016 22:09

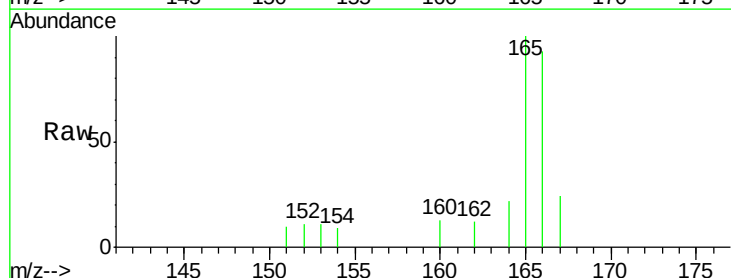
Tgt Ion:166 Resp: 1410

Ion Ratio Lower Upper

166 100

165 107.1 73.4 110.2

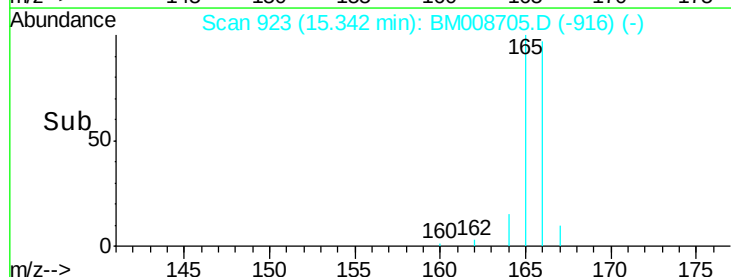
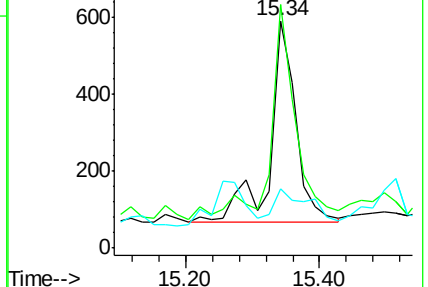
167 26.1 14.6 22.0#

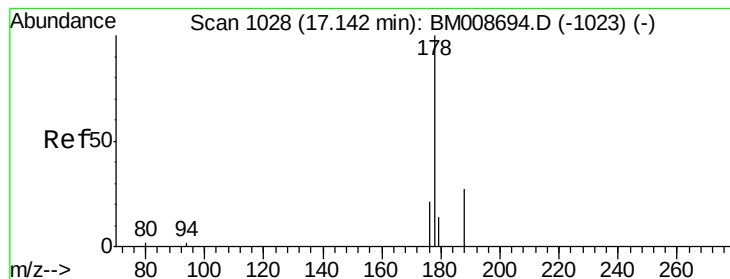


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.13 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.07 min

Lab File: BM008705.D

Acq: 28 Dec 2016 22:09

Instrument :

BNA_M

ClientSampleId :

DA7G4

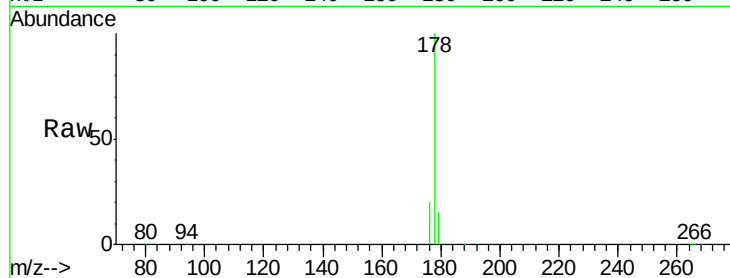
Tgt Ion:178 Resp: 30041

Ion Ratio Lower Upper

178 100

176 19.9 18.4 27.6

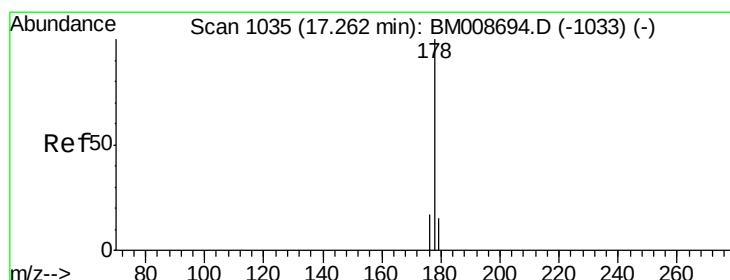
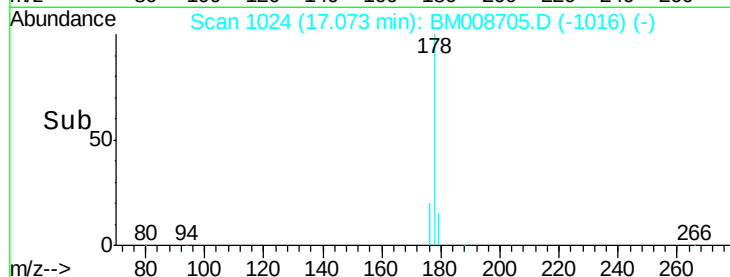
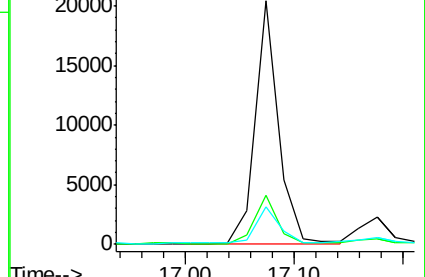
179 15.4 13.6 20.4



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: 0.02 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.09 min

Lab File: BM008705.D

Acq: 28 Dec 2016 22:09

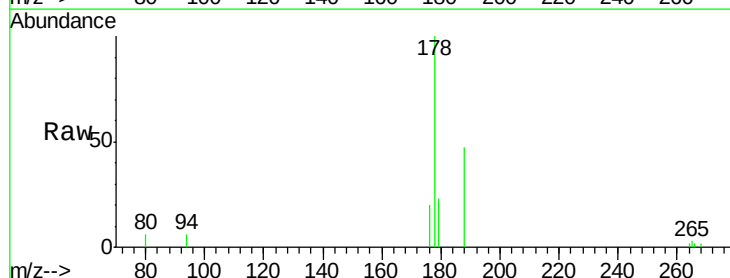
Tgt Ion:178 Resp: 4602

Ion Ratio Lower Upper

178 100

176 20.2 18.1 27.1

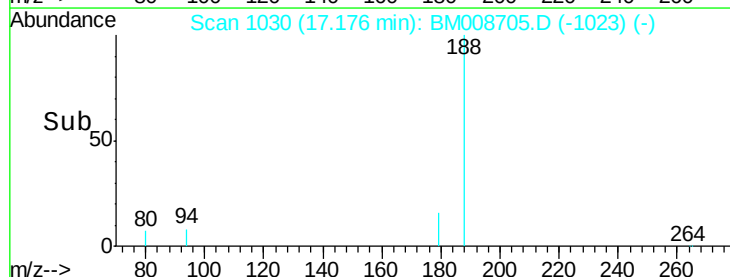
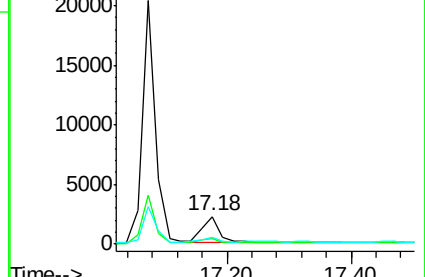
179 22.9 14.7 22.1#

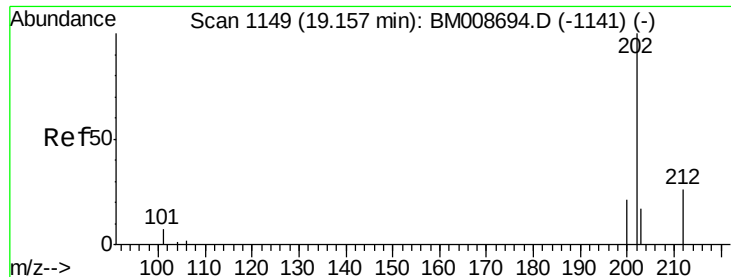


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

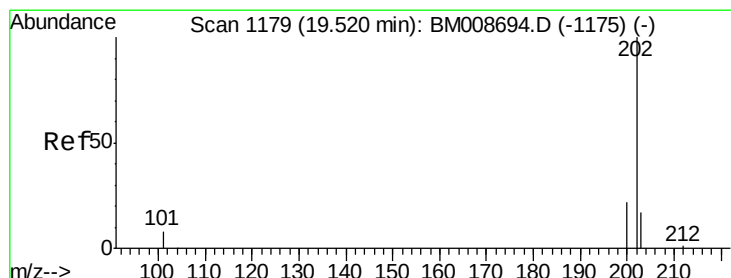
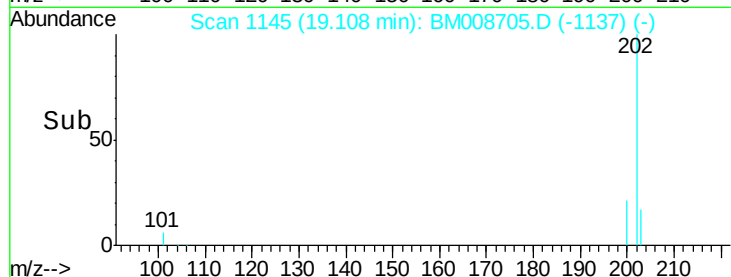
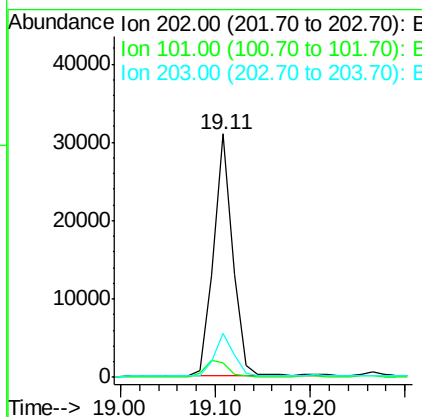
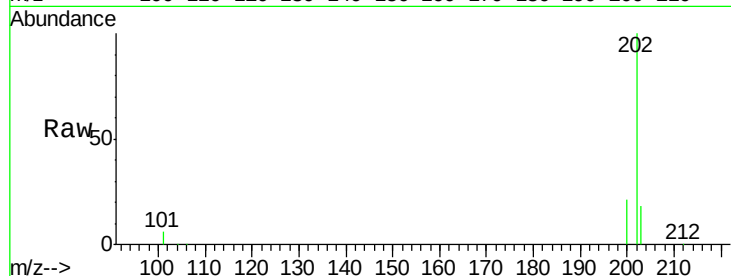




#15
Fluoranthene
 Concen: 0.16 ng/ul
 RT: 19.11 min Scan# 1145
 Delta R.T. -0.05 min
 Lab File: BM008705.D
 Acq: 28 Dec 2016 22:09

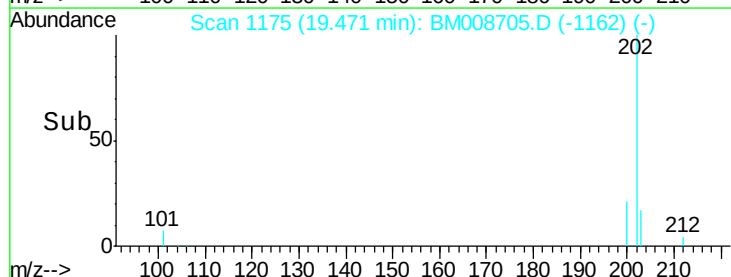
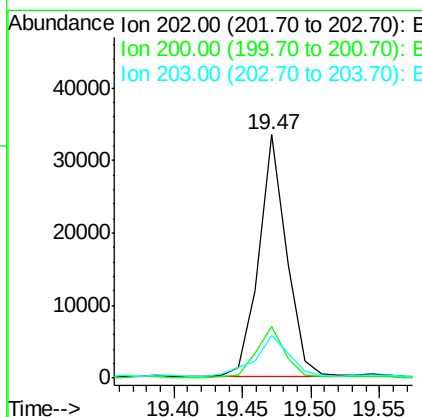
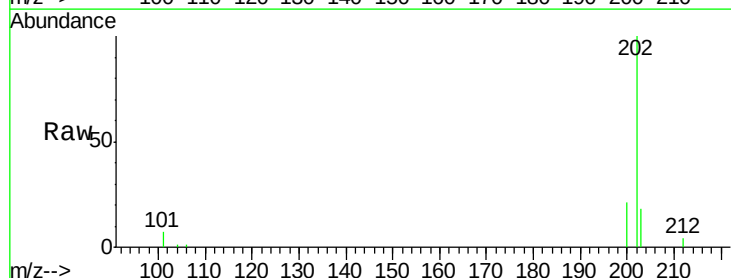
Instrument :
 BNA_M
 ClientSampleId :
 DA7G4

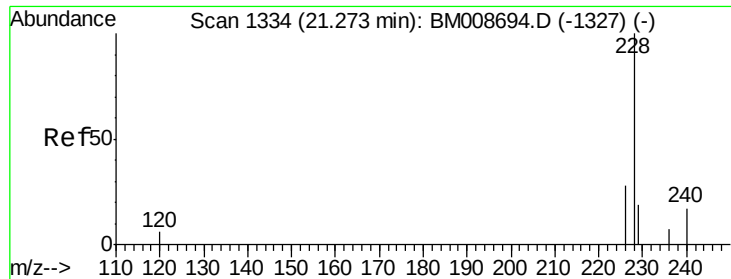
Tgt Ion:202 Resp: 43722
 Ion Ratio Lower Upper
 202 100
 101 6.1 0.0 30.3
 203 17.8 0.0 39.5



#17
Pyrene
 Concen: 7.33 ng/ul
 RT: 19.47 min Scan# 1175
 Delta R.T. -0.05 min
 Lab File: BM008705.D
 Acq: 28 Dec 2016 22:09

Tgt Ion:202 Resp: 47022
 Ion Ratio Lower Upper
 202 100
 200 21.2 18.2 27.4
 203 17.8 15.6 23.4





#18

Benzo(a)anthracene

Concen: 4.72 ng/ul

RT: 21.23 min Scan# 1330

Delta R.T. -0.04 min

Lab File: BM008705.D

Acq: 28 Dec 2016 22:09

Instrument :

BNA_M

ClientSampleId :

DA7G4

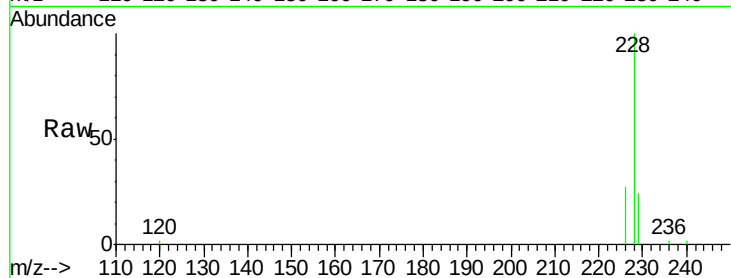
Tgt Ion:228 Resp: 25751

Ion Ratio Lower Upper

228 100

226 26.8 22.8 34.2

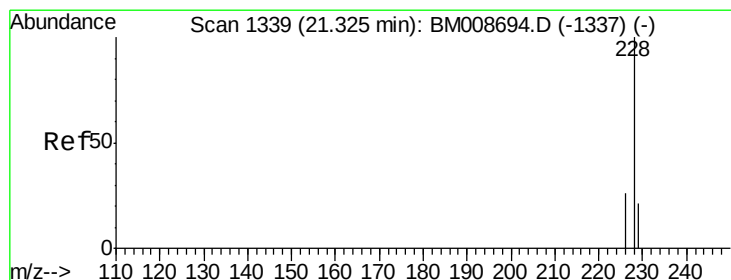
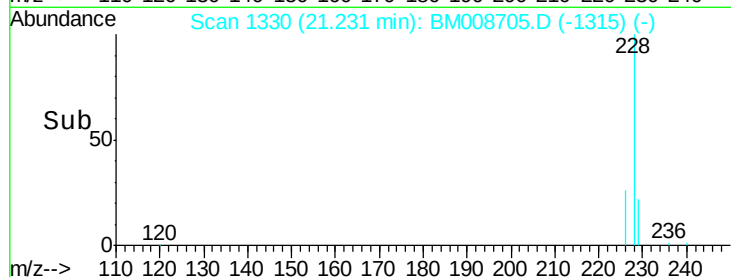
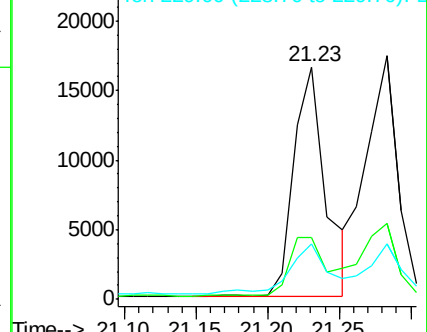
229 24.0 17.0 25.6



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: 4.51 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.04 min

Lab File: BM008705.D

Acq: 28 Dec 2016 22:09

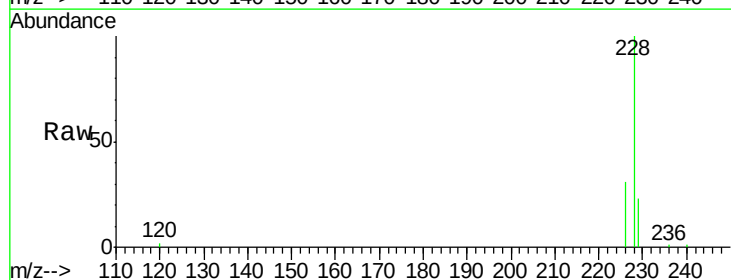
Tgt Ion:228 Resp: 26901

Ion Ratio Lower Upper

228 100

226 31.4 23.4 35.0

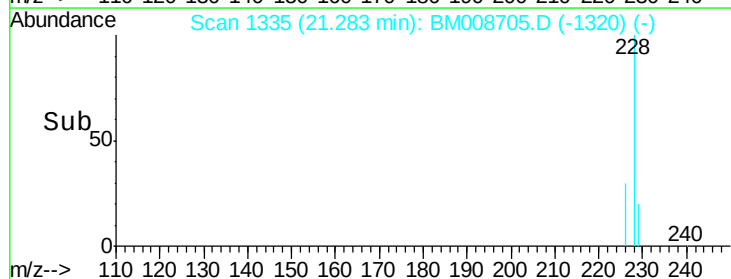
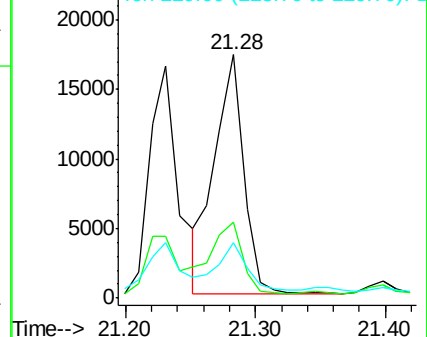
229 22.5 17.7 26.5

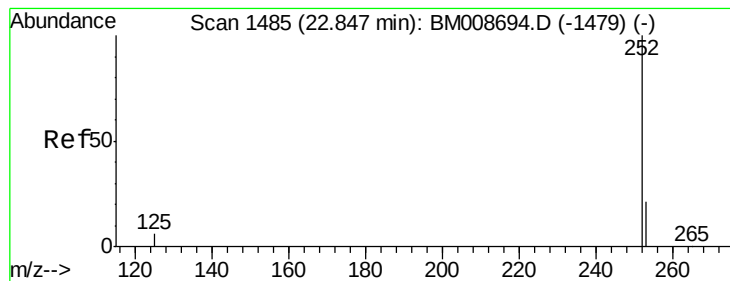


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 5.16 ng/ul

RT: 22.80 min Scan# 1481

Delta R.T. -0.04 min

Lab File: BM008705.D

Acq: 28 Dec 2016 22:09

Instrument :

BNA_M

ClientSampleId :

DA7G4

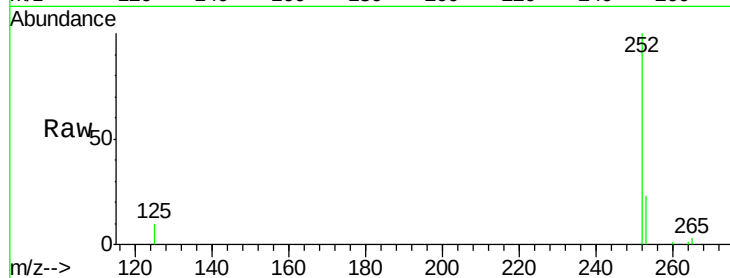
Tgt Ion:252 Resp: 51852

Ion Ratio Lower Upper

252 100

253 22.9 0.0 64.2

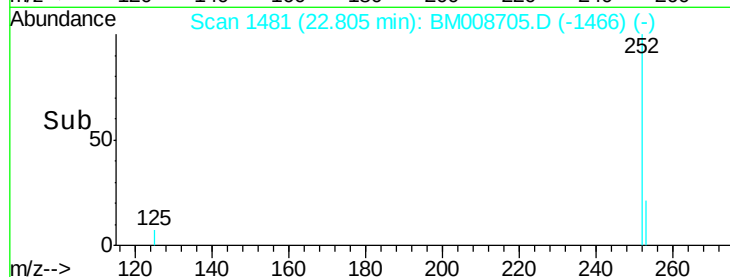
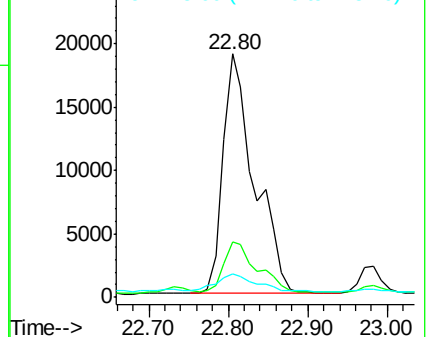
125 9.8 0.0 35.0



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: 5.29 ng/ul

RT: 22.80 min Scan# 1481

Delta R.T. -0.08 min

Lab File: BM008705.D

Acq: 28 Dec 2016 22:09

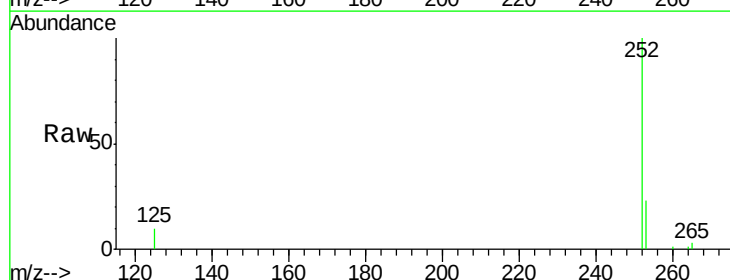
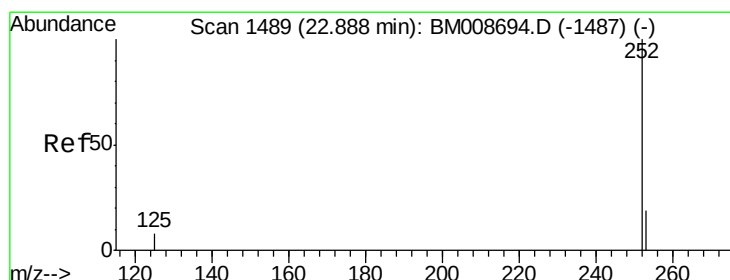
Tgt Ion:252 Resp: 51852

Ion Ratio Lower Upper

252 100

253 22.9 24.5 36.7#

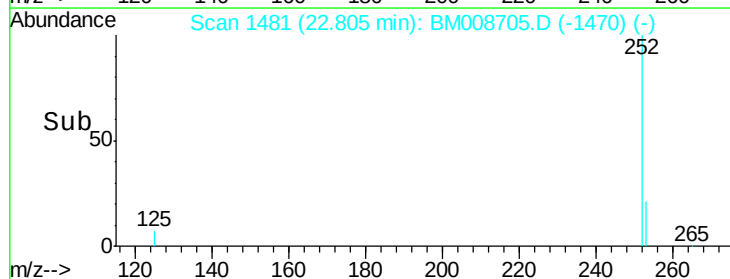
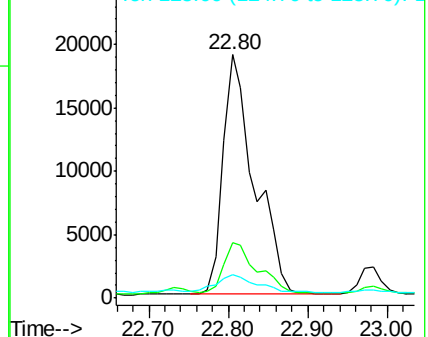
125 9.8 13.7 20.5#

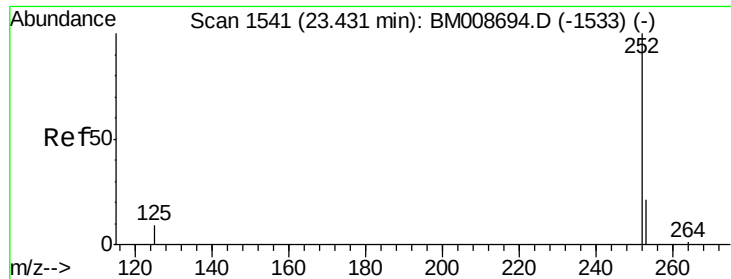


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.63 ng/ul

RT: 23.52 min Scan# 1550

Delta R.T. 0.09 min

Lab File: BM008705.D

Acq: 28 Dec 2016 22:09

Instrument :

BNA_M

ClientSampleId :

DA7G4

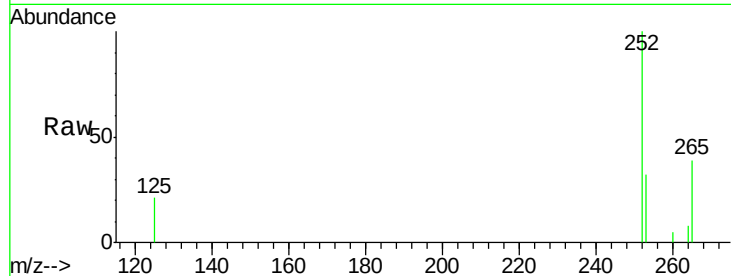
Tgt Ion:252 Resp: 5862

Ion Ratio Lower Upper

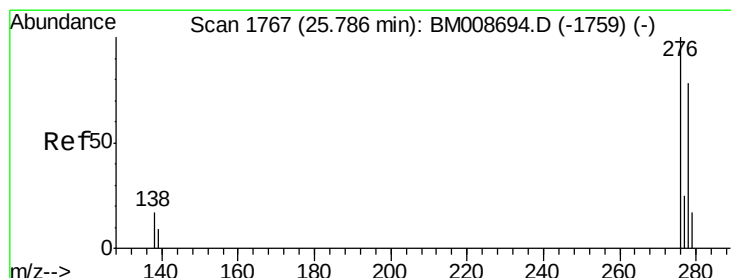
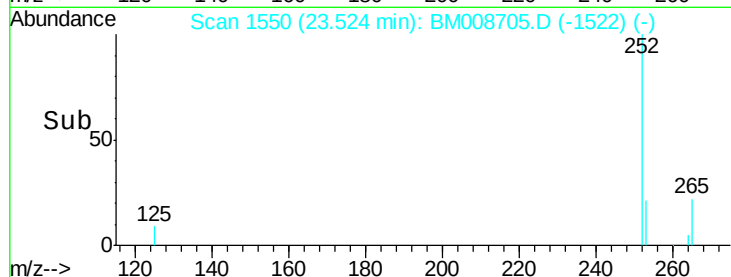
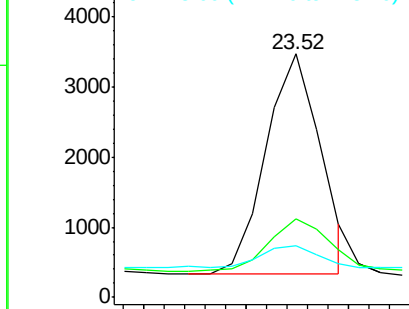
252 100

253 32.0 28.5 42.7

125 21.3 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: 1.68 ng/ul

RT: 25.71 min Scan# 1760

Delta R.T. -0.07 min

Lab File: BM008705.D

Acq: 28 Dec 2016 22:09

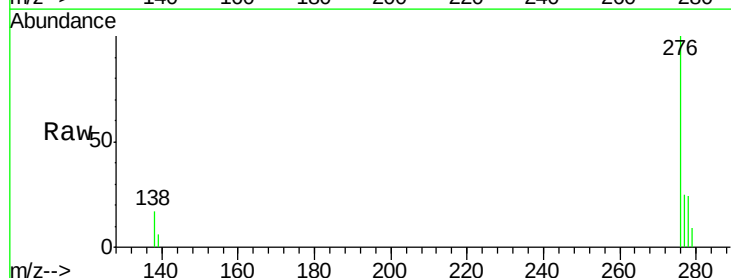
Tgt Ion:276 Resp: 18669

Ion Ratio Lower Upper

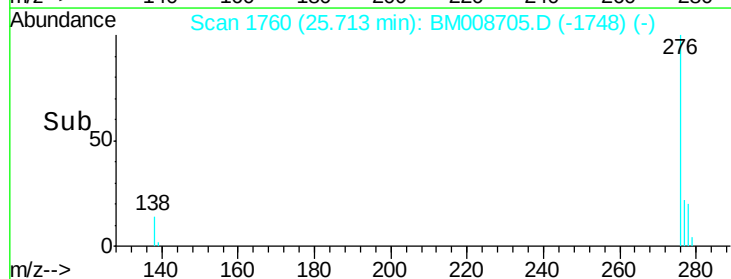
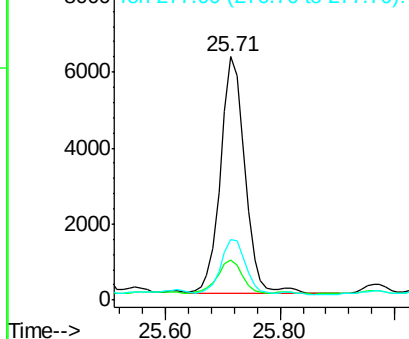
276 100

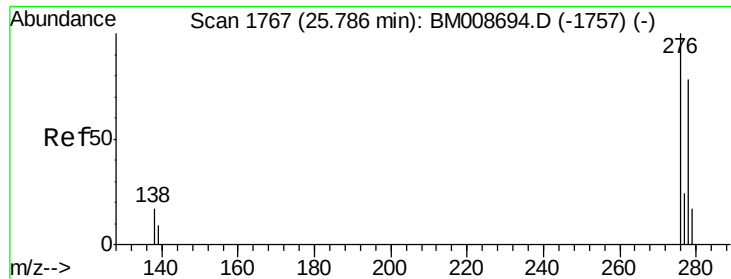
138 14.2 19.1 28.7#

277 21.9 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: 0.61 ng/ul

RT: 25.70 min Scan# 1759

Delta R.T. -0.08 min

Lab File: BM008705.D

Acq: 28 Dec 2016 22:09

Instrument :

BNA_M

ClientSampleId :

DA7G4

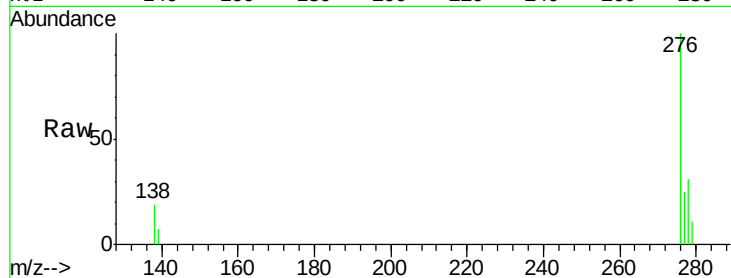
Tgt Ion: 278 Resp: 5371

Ion Ratio Lower Upper

278 100

139 23.6 17.4 26.0

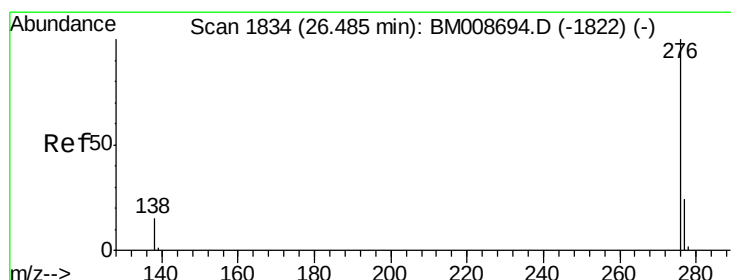
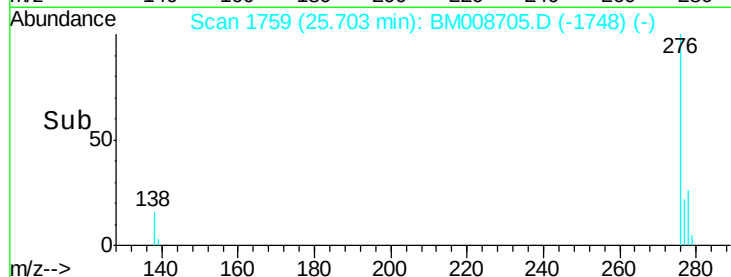
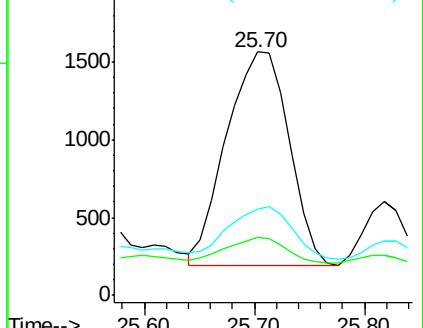
279 35.1 25.9 38.9



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: 2.77 ng/ul

RT: 26.40 min Scan# 1826

Delta R.T. -0.08 min

Lab File: BM008705.D

Acq: 28 Dec 2016 22:09

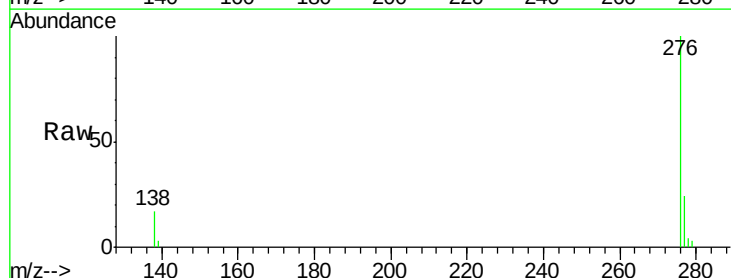
Tgt Ion: 276 Resp: 26364

Ion Ratio Lower Upper

276 100

277 24.5 21.8 32.8

138 16.9 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

