

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092216\
 Data File : BM007508.D
 Acq On : 22 Sep 2016 13:07
 Operator : UM/SJ
 Sample : H4830-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4VH7

Quant Time: Sep 22 15:58:21 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM092116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 22 01:26:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1323	0.40	ng/ul	0.02
2) Naphthalene-d8	10.58	136	4877	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	3410	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.16	188	7788	0.40	ng/ul	0.00
16) Chrysene-d12	21.35	240	8482	0.40	ng/ul	0.00
20) Perylene-d12	23.62	264	7711	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.19	152	2137	0.38	ng/ul	0.02
14) Fluoranthene-d10	19.19	212	7666	0.42	ng/ul	0.00

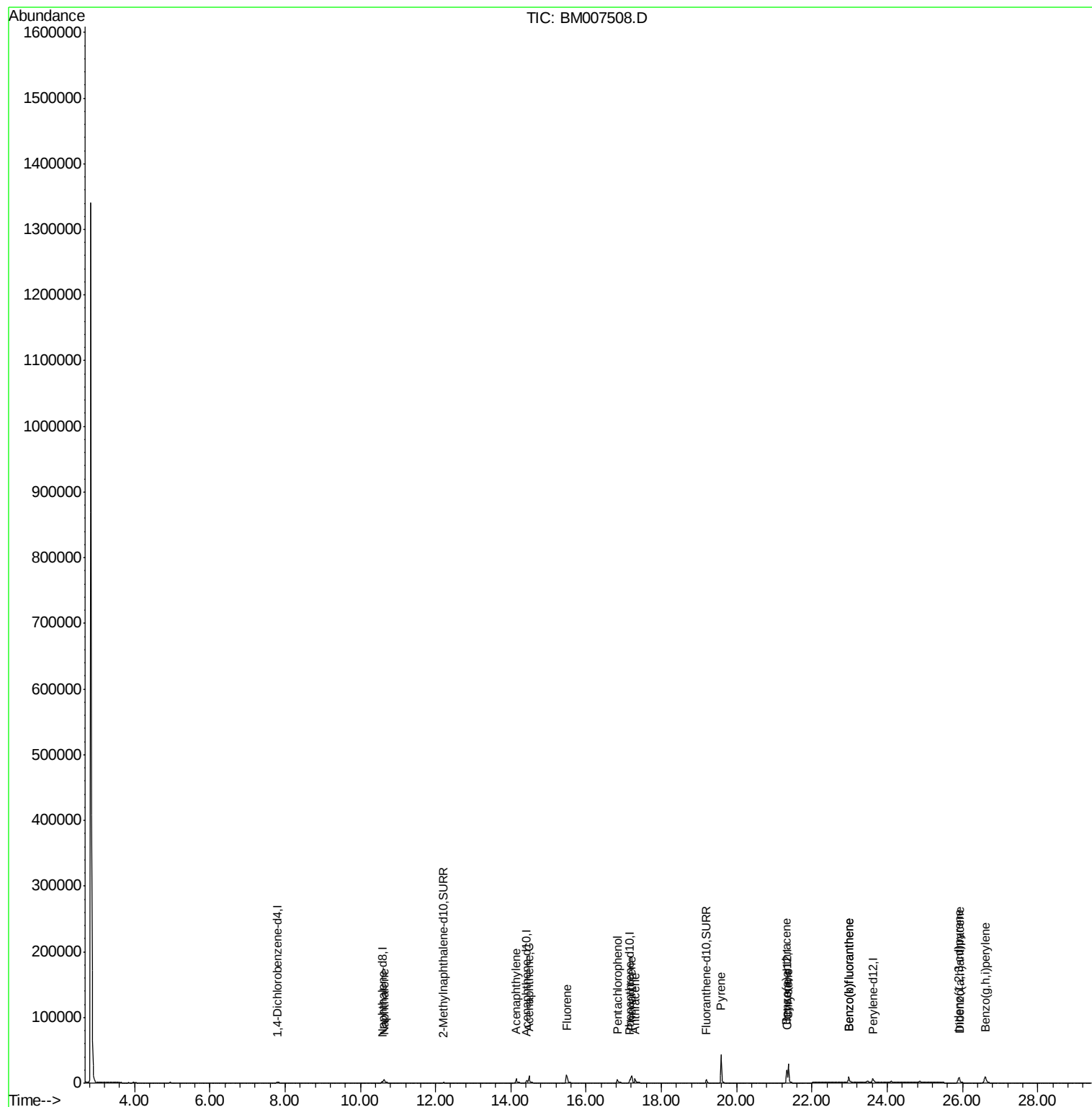
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.63	128	11255	0.99	ng/ul	98
7) Acenaphthylene	14.14	152	11017	0.76	ng/ul	98
8) Acenaphthene	14.49	153	8640	0.77	ng/ul	97
9) Fluorene	15.48	166	12646	0.92	ng/ul	96
11) Pentachlorophenol	16.83	266	6136	2.89	ng/ul	98
12) Phenanthrene	17.21	178	17587	0.83	ng/ul	99
13) Anthracene	17.30	178	10172	0.53	ng/ul	99
17) Pyrene	19.58	202	48713	1.74	ng/ul	93
18) Benzo(a)anthracene	21.32	228	21374	0.85	ng/ul	94
19) Chrysene	21.38	228	31173	1.16	ng/ul	98
21) Benzo(b)fluoranthene	22.97	252	14224	0.55	ng/ul	98
22) Benzo(k)fluoranthene	22.97	252	14322	0.55	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.90	276	20426	0.83	ng/ul	94
25) Dibenzo(a,h)anthracene	25.91	278	648	0.03	ng/ul#	35
26) Benzo(g,h,i)perylene	26.60	276	23511	1.06	ng/ul	97

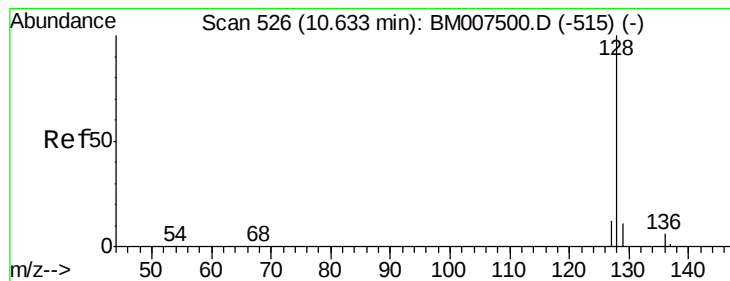
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 22 01:26:49 2016
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.99 ng/ul

RT: 10.63 min Scan# 526

Delta R.T. -0.00 min

Lab File: BM007508.D

Acq: 22 Sep 2016 13:07

Instrument :

BNA_M

ClientSampleId :

A4VH7

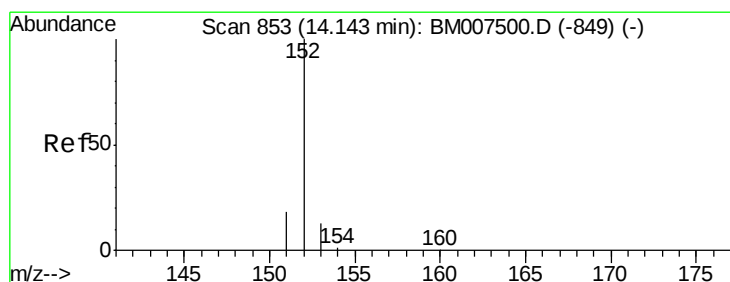
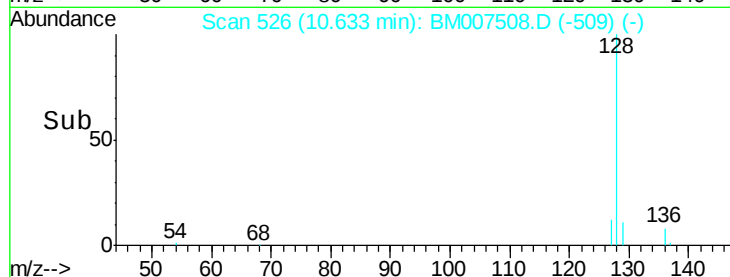
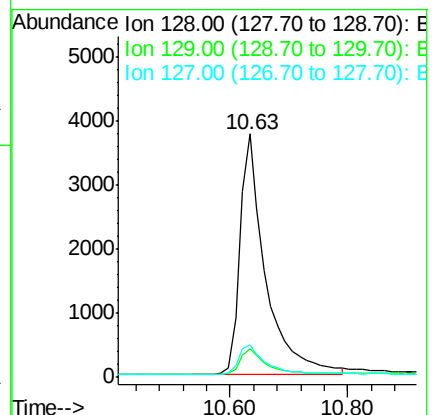
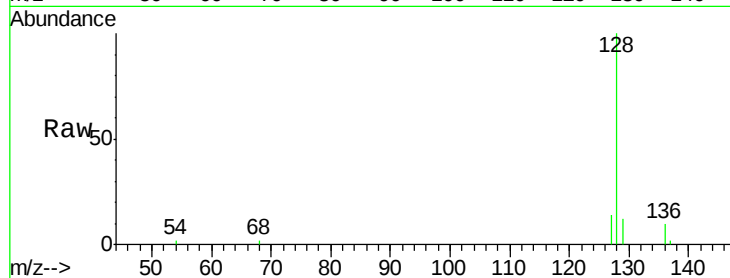
Tgt Ion:128 Resp: 11255

Ion Ratio Lower Upper

128 100

129 12.0 10.7 16.1

127 13.5 11.3 16.9



#7

Acenaphthylene

Concen: 0.76 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM007508.D

Acq: 22 Sep 2016 13:07

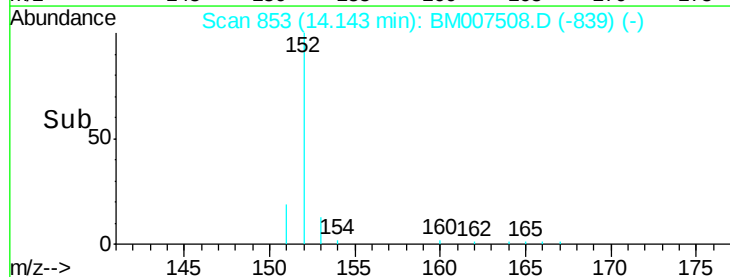
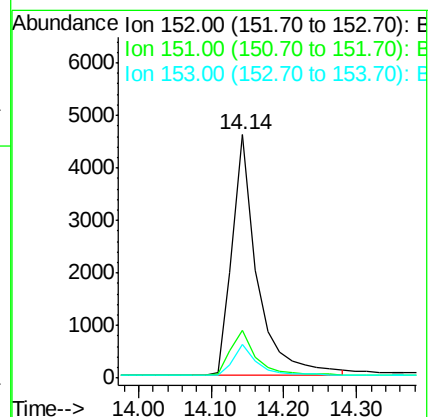
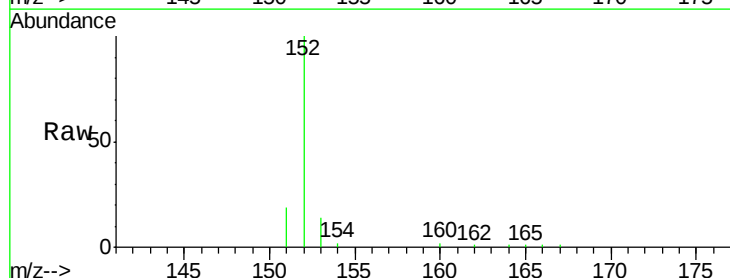
Tgt Ion:152 Resp: 11017

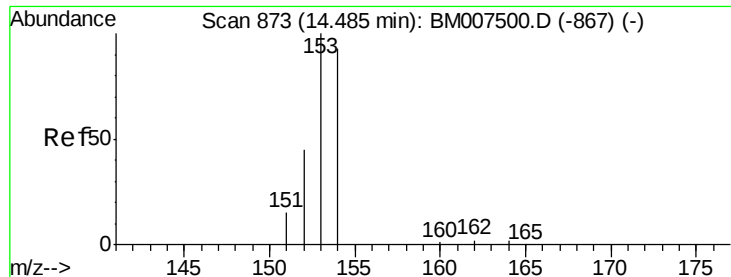
Ion Ratio Lower Upper

152 100

151 19.5 15.8 23.8

153 14.0 12.2 18.2





#8

Acenaphthene

Concen: 0.77 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.00 min

Lab File: BM007508.D

Acq: 22 Sep 2016 13:07

Instrument :

BNA_M

ClientSampleId :

A4VH7

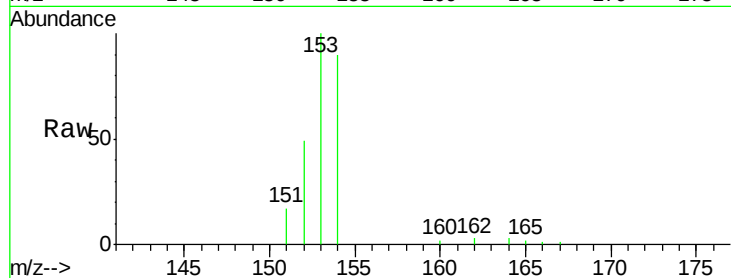
Tgt Ion:153 Resp: 8640

Ion Ratio Lower Upper

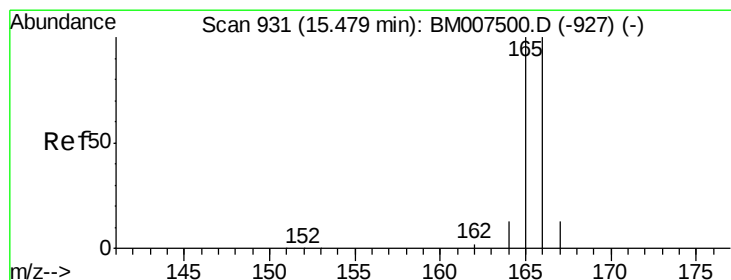
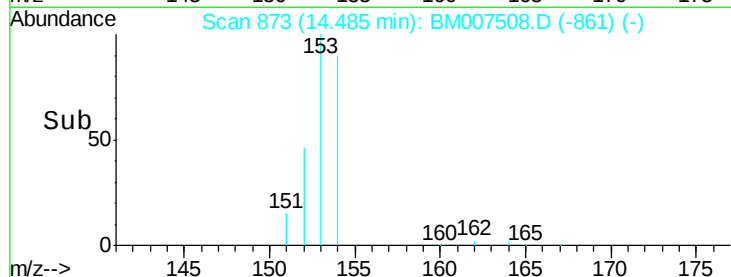
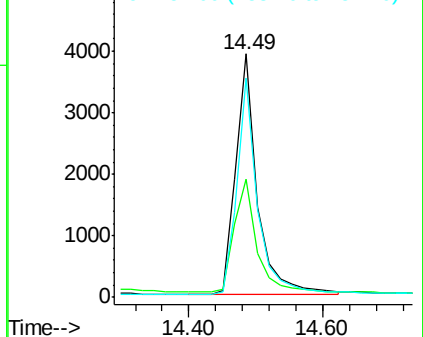
153 100

152 48.5 37.6 56.4

154 90.0 74.6 112.0



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: 0.92 ng/ul

RT: 15.48 min Scan# 931

Delta R.T. -0.00 min

Lab File: BM007508.D

Acq: 22 Sep 2016 13:07

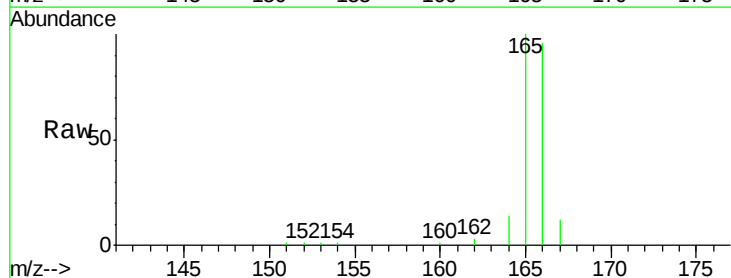
Tgt Ion:166 Resp: 12646

Ion Ratio Lower Upper

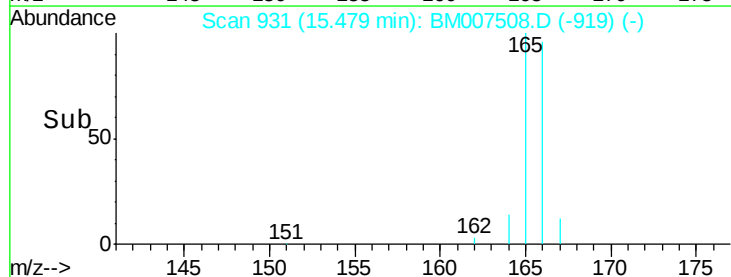
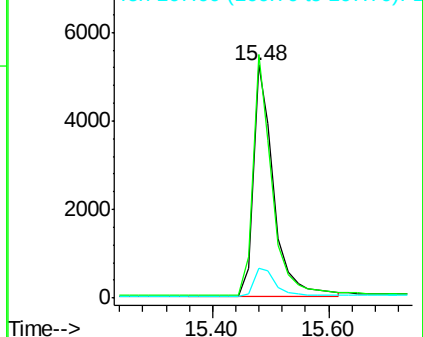
166 100

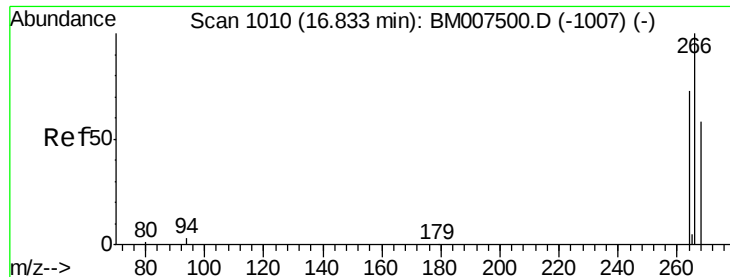
165 104.4 79.8 119.8

167 13.0 11.5 17.3



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

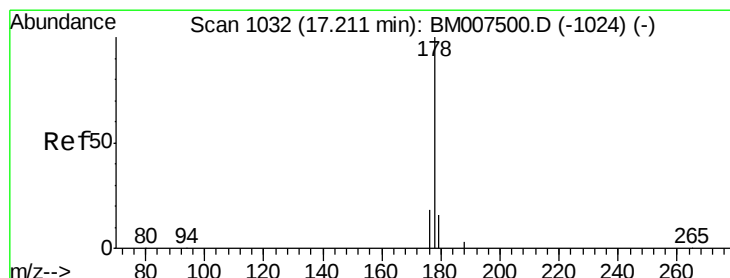
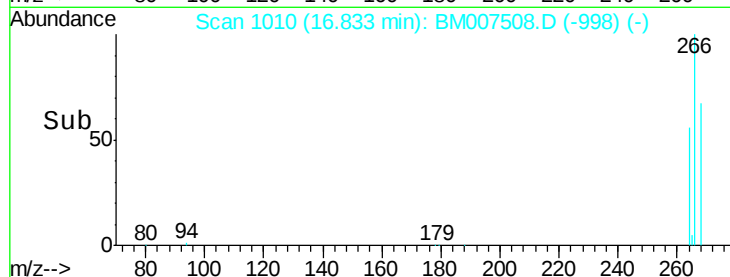
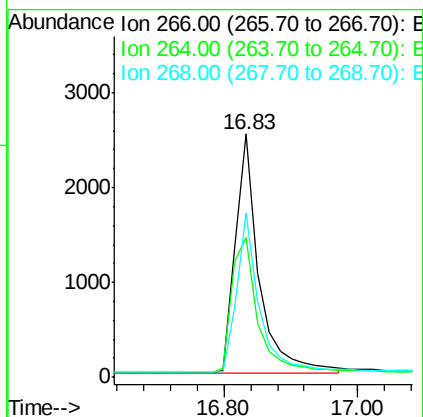
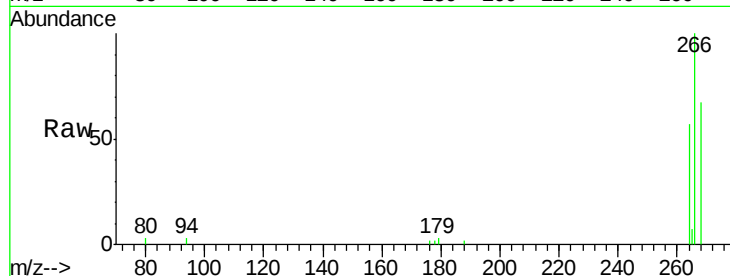




#11
 Pentachlorophenol
 Concen: 2.89 ng/ul
 RT: 16.83 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: BM007508.D
 Acq: 22 Sep 2016 13:07

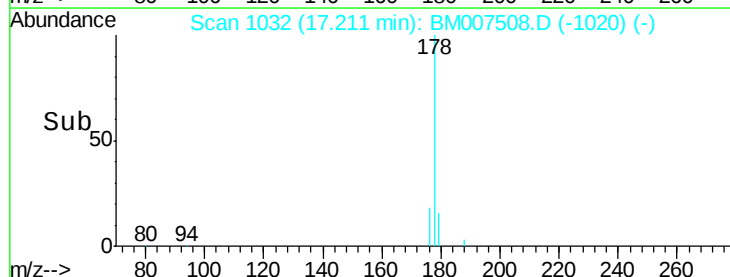
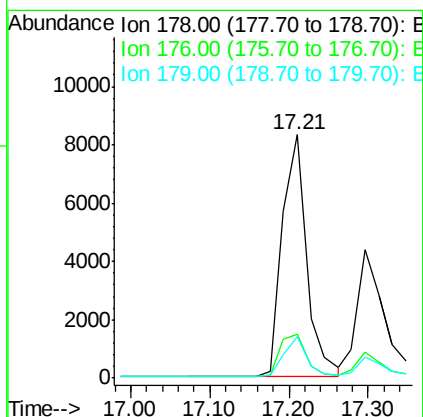
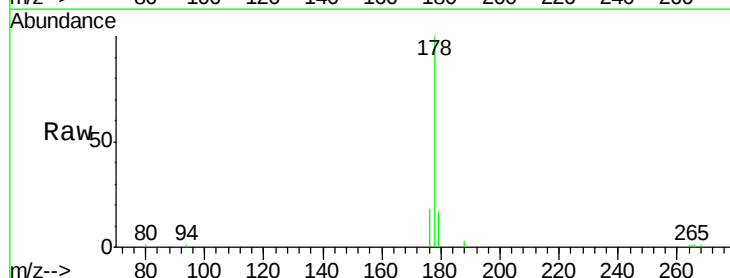
Instrument :
 BNA_M
 ClientSampleId :
 A4VH7

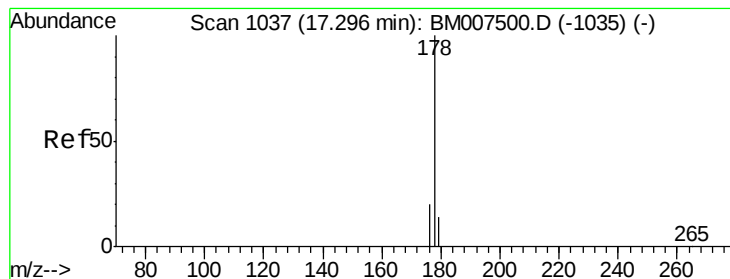
Tgt Ion: 266 Resp: 6136
 Ion Ratio Lower Upper
 266 100
 264 63.4 51.4 77.2
 268 64.2 52.9 79.3



#12
 Phenanthrene
 Concen: 0.83 ng/ul
 RT: 17.21 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BM007508.D
 Acq: 22 Sep 2016 13:07

Tgt Ion: 178 Resp: 17587
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.9 22.3
 179 16.8 13.7 20.5





#13

Anthracene

Concen: 0.53 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BM007508.D

Acq: 22 Sep 2016 13:07

Instrument :

BNA_M

ClientSampleId :

A4VH7

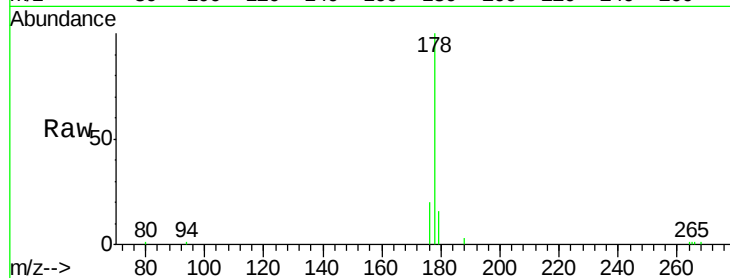
Tgt Ion:178 Resp: 10172

Ion Ratio Lower Upper

178 100

176 20.1 16.6 24.8

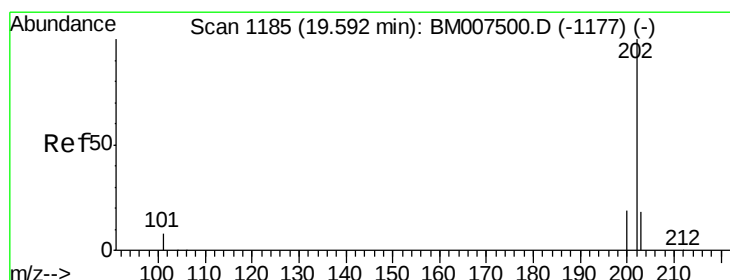
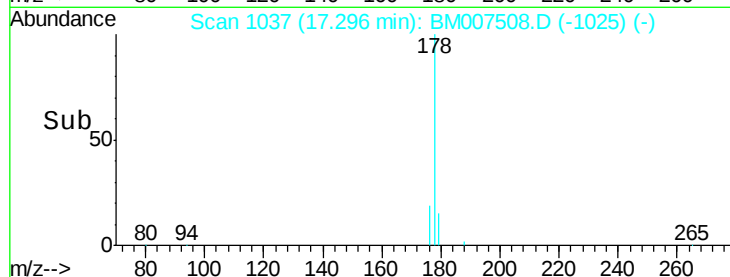
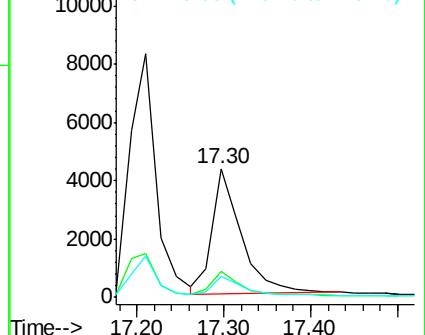
179 16.2 12.5 18.7



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



#17

Pyrene

Concen: 1.74 ng/ul

RT: 19.58 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BM007508.D

Acq: 22 Sep 2016 13:07

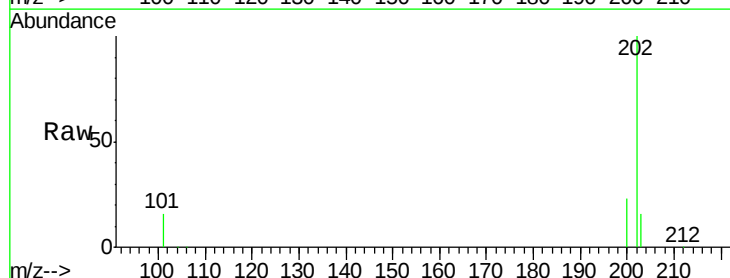
Tgt Ion:202 Resp: 48713

Ion Ratio Lower Upper

202 100

200 23.1 15.9 23.9

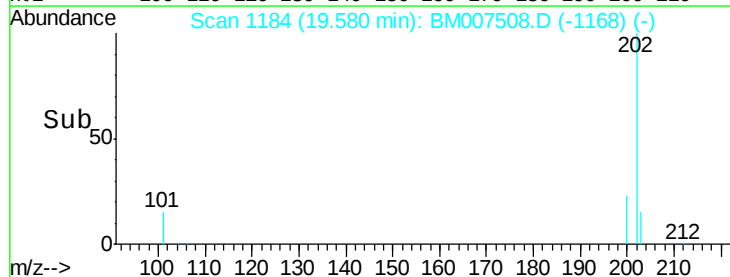
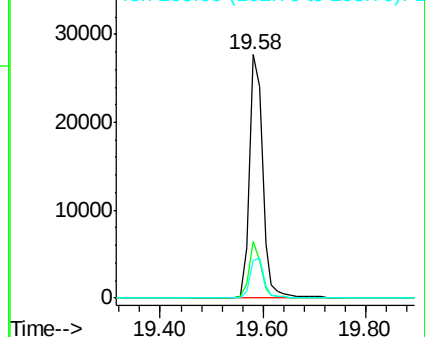
203 15.6 15.0 22.4

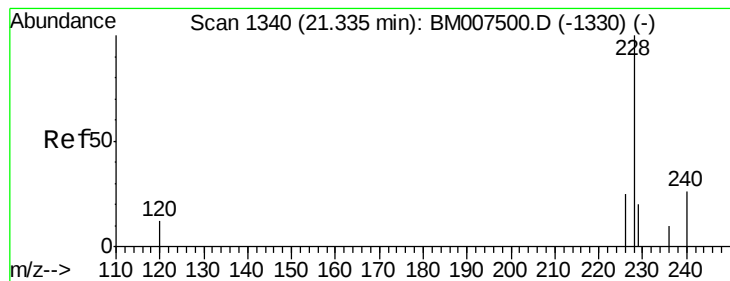


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.85 ng/ul

RT: 21.32 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BM007508.D

Acq: 22 Sep 2016 13:07

Instrument :

BNA_M

ClientSampleId :

A4VH7

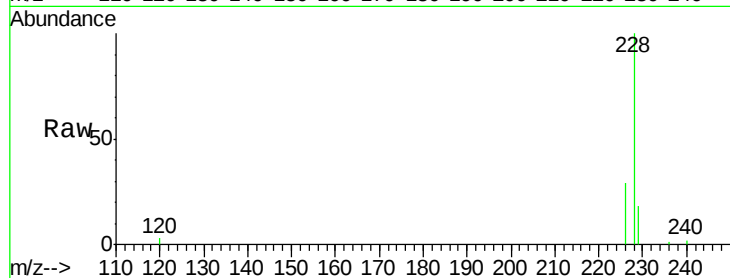
Tgt Ion:228 Resp: 21374

Ion Ratio Lower Upper

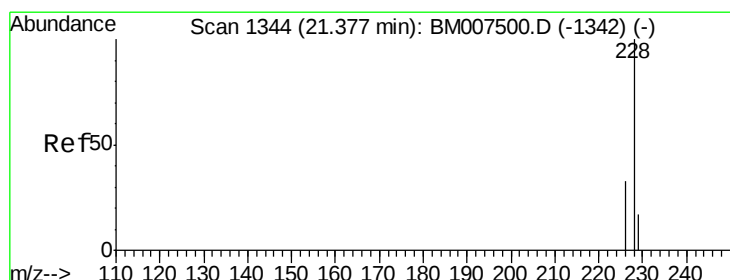
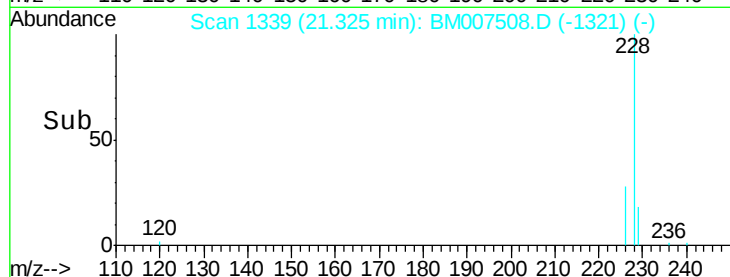
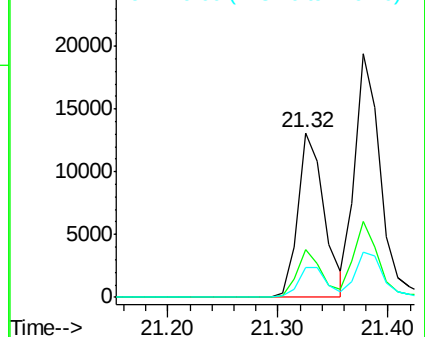
228 100

226 28.7 20.2 30.4

229 18.4 16.7 25.1



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: 21.38 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BM007508.D

Acq: 22 Sep 2016 13:07

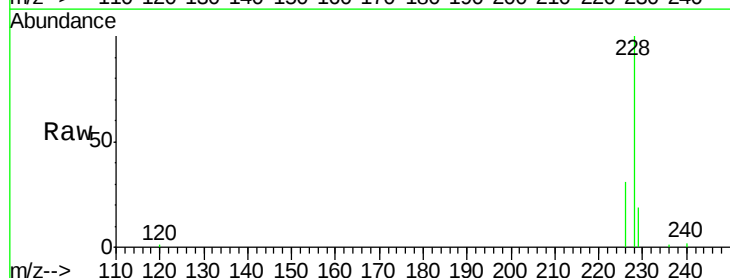
Tgt Ion:228 Resp: 31173

Ion Ratio Lower Upper

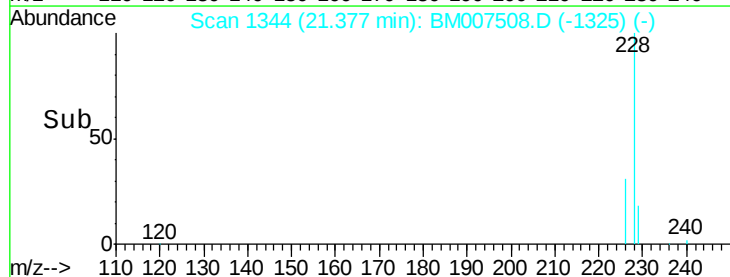
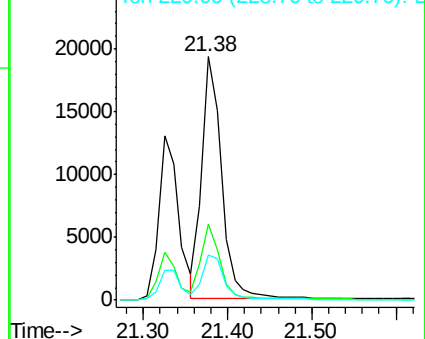
228 100

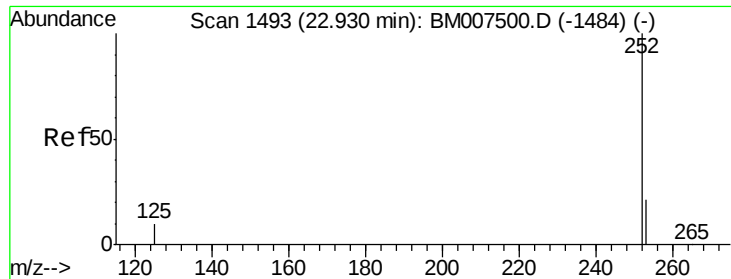
226 31.3 25.9 38.9

229 18.7 14.7 22.1



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: 0.55 ng/ul

RT: 22.97 min Scan# 1497

Delta R.T. 0.04 min

Lab File: BM007508.D

Acq: 22 Sep 2016 13:07

Instrument :

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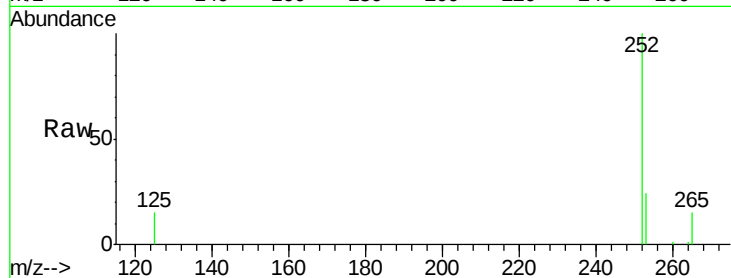
Tgt Ion:252 Resp: 14224

Ion Ratio Lower Upper

252 100

253 23.8 0.0 49.2

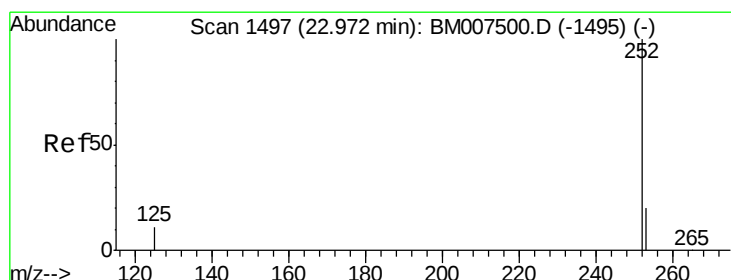
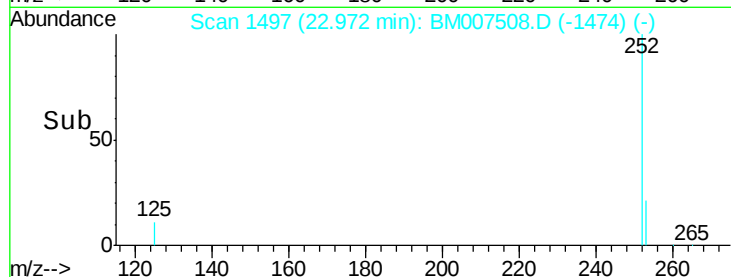
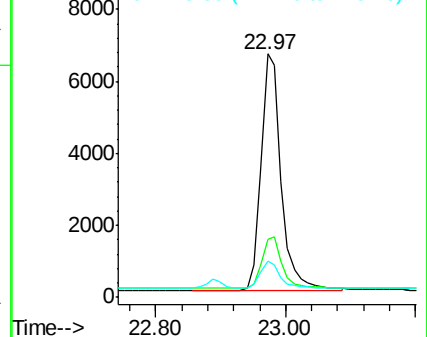
125 14.8 0.0 27.2



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: 0.55 ng/ul

RT: 22.97 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BM007508.D

Acq: 22 Sep 2016 13:07

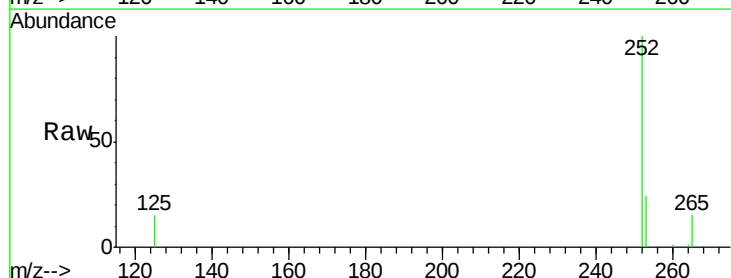
Tgt Ion:252 Resp: 14322

Ion Ratio Lower Upper

252 100

253 23.8 19.7 29.5

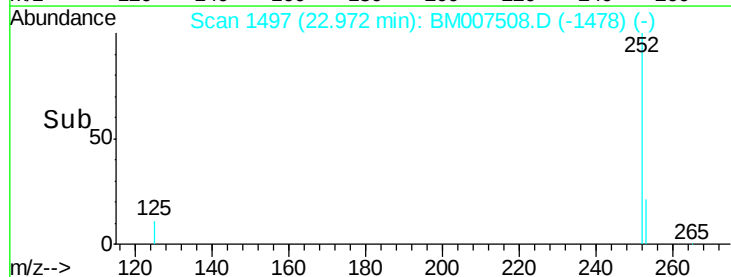
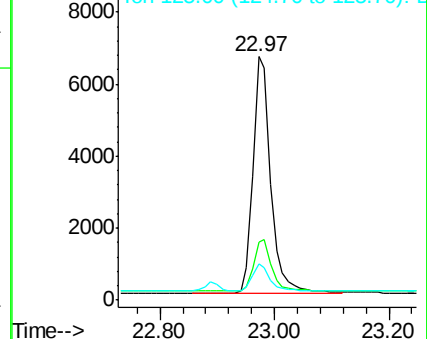
125 14.8 11.5 17.3

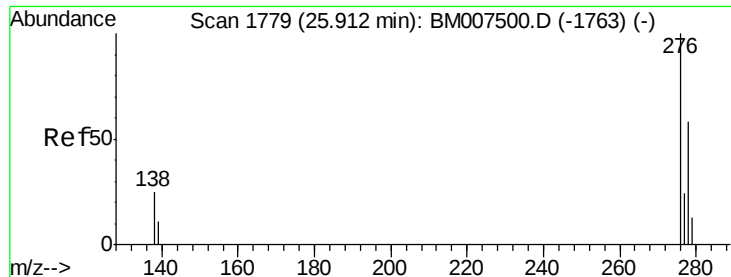


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.83 ng/ul

RT: 25.90 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BM007508.D

Acq: 22 Sep 2016 13:07

Instrument :

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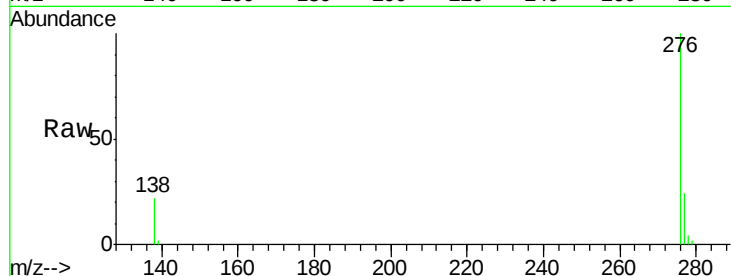
Tgt Ion: 276 Resp: 20426

Ion Ratio Lower Upper

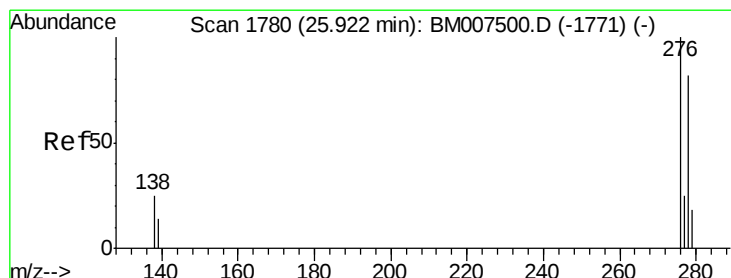
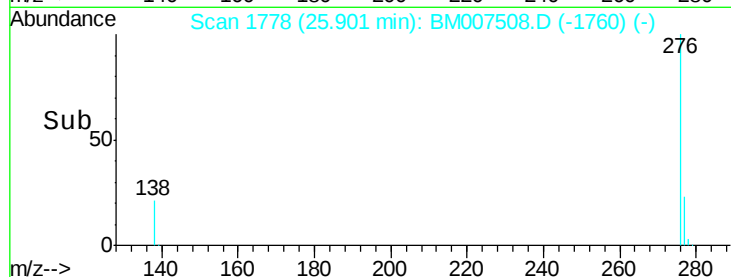
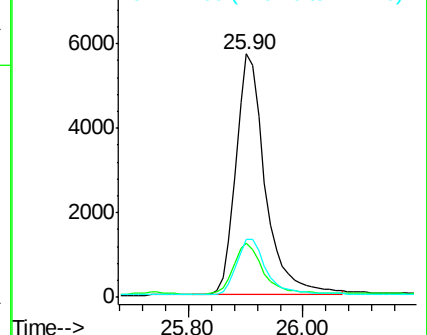
276 100

138 20.9 20.8 31.2

277 23.5 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: 0.03 ng/ul

RT: 25.91 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BM007508.D

Acq: 22 Sep 2016 13:07

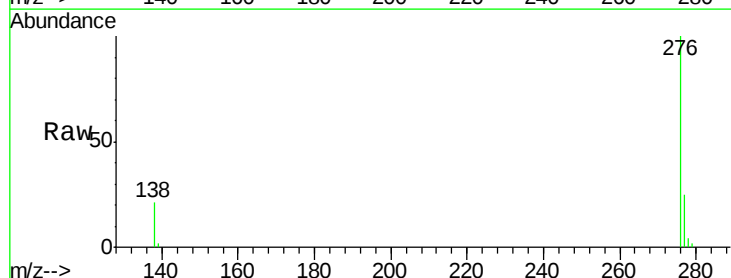
Tgt Ion: 278 Resp: 648

Ion Ratio Lower Upper

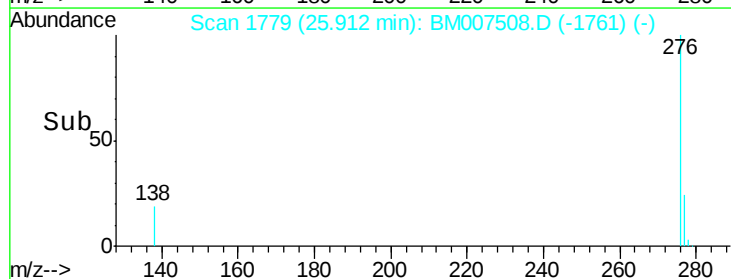
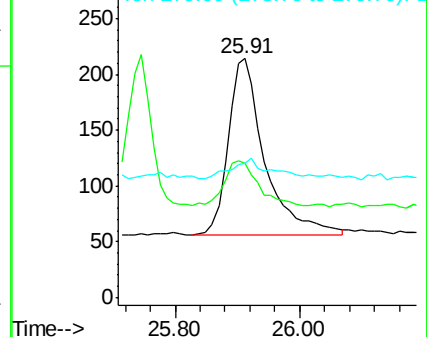
278 100

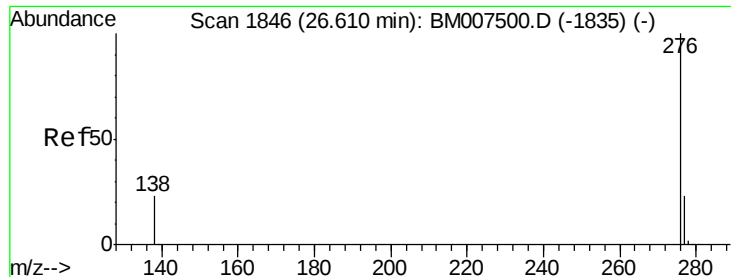
139 56.1 16.9 25.3#

279 56.1 21.3 31.9#



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: 1.06 ng/ul

RT: 26.60 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BM007508.D

Acq: 22 Sep 2016 13:07

Instrument :

BNA_M

ClientSampleId :

A4VH7

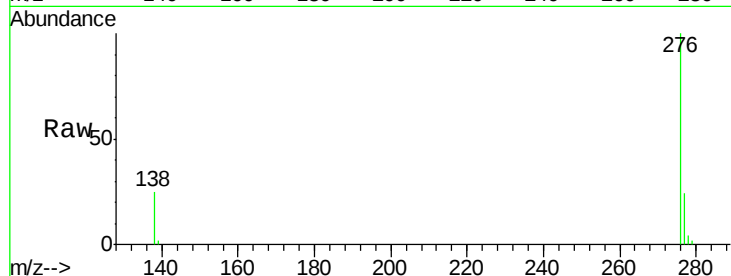
Tgt Ion: 276 Resp: 23511

Ion Ratio Lower Upper

276 100

277 23.9 20.5 30.7

138 24.6 20.3 30.5



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

