

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112216\
 Data File : BM008026.D
 Acq On : 23 Nov 2016 10:20
 Operator : UM/SJ
 Sample : H5716-03
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WB6

Quant Time: Nov 23 12:10:00 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 01:26:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	386	0.40	ng/ul	0.02
2) Naphthalene-d8	10.52	136	1285	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.37	164	835	0.40	ng/ul	0.02
10) Phenanthrene-d10	17.11	188	1697	0.40	ng/ul	0.00
16) Chrysene-d12	21.30	240	1684	0.40	ng/ul	0.00
20) Perylene-d12	23.56	264	1560	0.40	ng/ul	0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.15	152	567	0.31	ng/ul	0.04
14) Fluoranthene-d10	19.15	212	1523	0.32	ng/ul	0.00

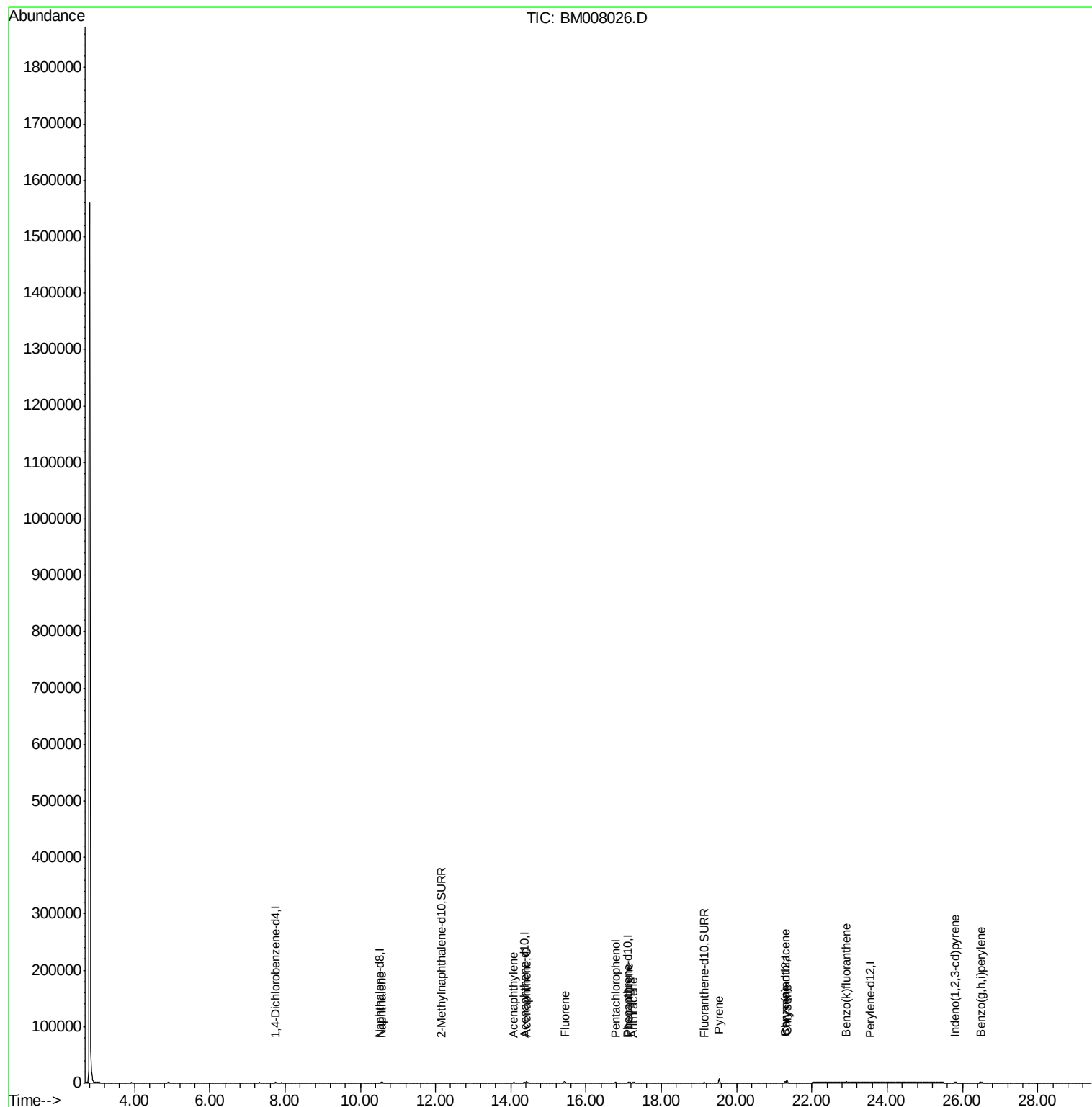
Target Compounds				Qvalue		
3) Naphthalene	10.57	128	2912	0.81	ng/ul	94
7) Acenaphthylene	14.07	152	2811	0.74	ng/ul	98
8) Acenaphthene	14.42	153	2063	0.72	ng/ul	96
9) Fluorene	15.43	166	2837	0.86	ng/ul	89
11) Pentachlorophenol	16.78	266	1300	2.19	ng/ul	96
12) Phenanthrene	17.14	178	3603	0.68	ng/ul	98
13) Anthracene	17.26	178	2020	0.41	ng/ul	96
17) Pyrene	19.54	202	9240	1.58	ng/ul	97
18) Benzo(a)anthracene	21.29	228	3790	0.73	ng/ul	100
19) Chrysene	21.34	228	6282	0.98	ng/ul	99
22) Benzo(k)fluoranthene	22.92	252	2972	0.46	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.81	276	4723	0.66	ng/ul#	89
26) Benzo(g,h,i)perylene	26.50	276	5389	0.84	ng/ul#	92

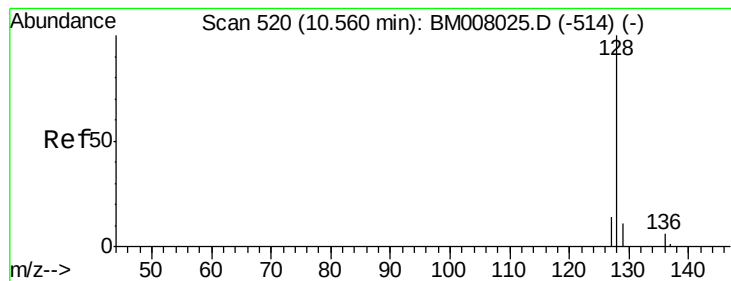
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.81 ng/ul

RT: 10.57 min Scan# 521

Delta R.T. 0.01 min

Lab File: BM008026.D

Acq: 23 Nov 2016 10:20

Instrument :

BNA_M

ClientSampleId :

A4WB6

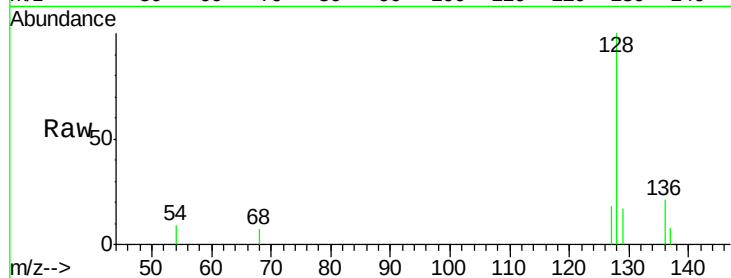
Tgt Ion:128 Resp: 2912

Ion Ratio Lower Upper

128 100

129 16.9 11.3 16.9

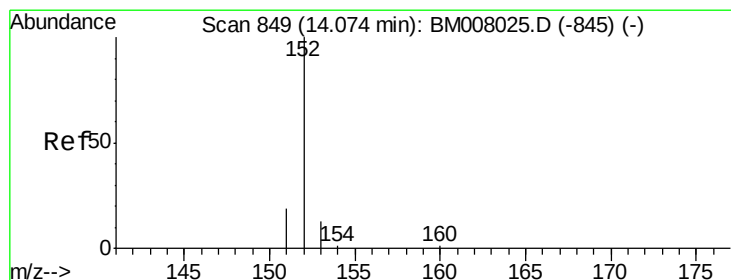
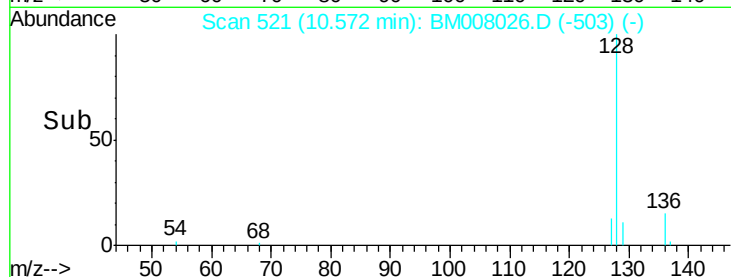
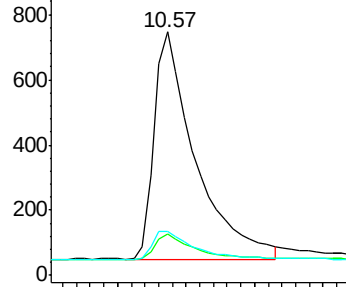
127 18.3 12.8 19.2



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



#7

Acenaphthylene

Concen: 0.74 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. -0.00 min

Lab File: BM008026.D

Acq: 23 Nov 2016 10:20

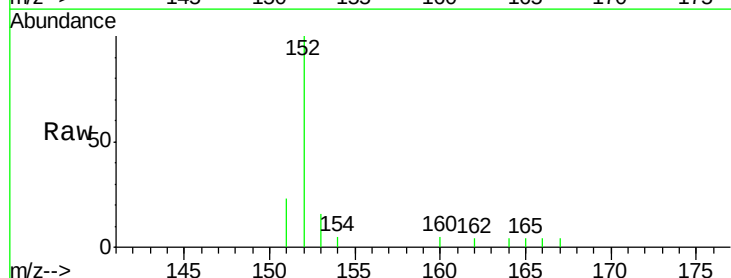
Tgt Ion:152 Resp: 2811

Ion Ratio Lower Upper

152 100

151 23.0 17.1 25.7

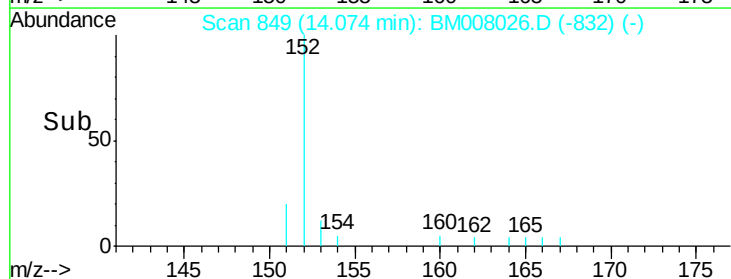
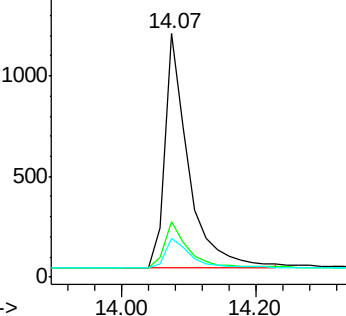
153 15.7 12.8 19.2

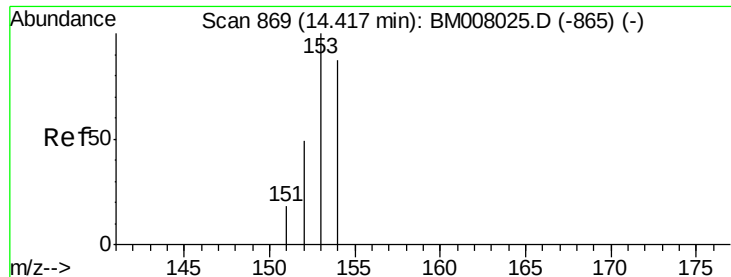


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.72 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM008026.D

Acq: 23 Nov 2016 10:20

Instrument :

BNA_M

ClientSampleId :

A4WB6

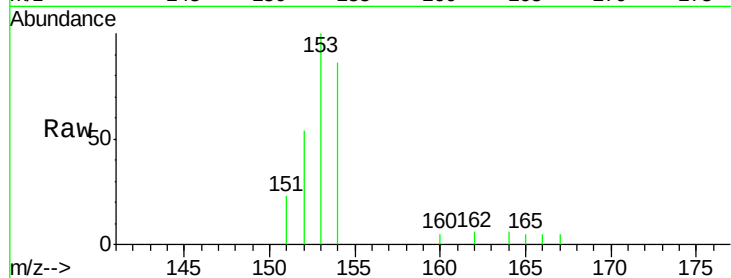
Tgt Ion:153 Resp: 2063

Ion Ratio Lower Upper

153 100

152 53.7 40.3 60.5

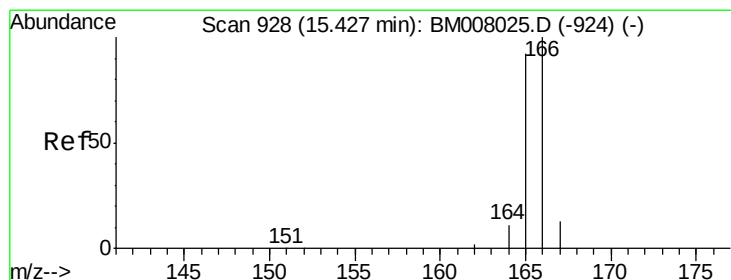
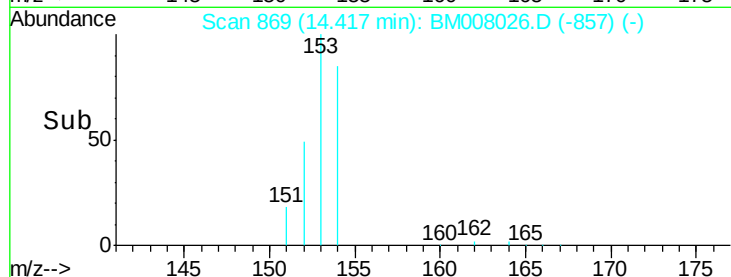
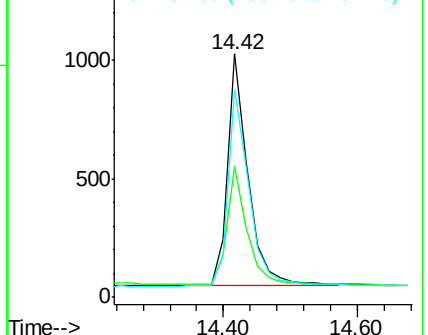
154 85.6 71.4 107.2



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: 0.86 ng/ul

RT: 15.43 min Scan# 928

Delta R.T. -0.00 min

Lab File: BM008026.D

Acq: 23 Nov 2016 10:20

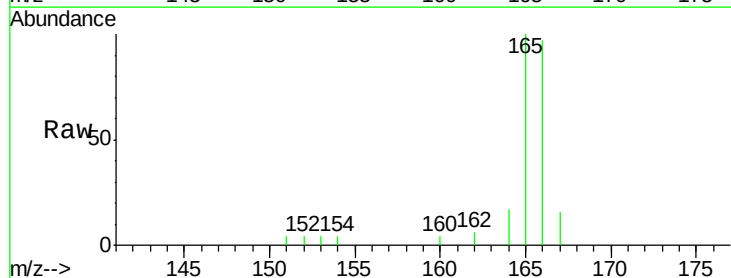
Tgt Ion:166 Resp: 2837

Ion Ratio Lower Upper

166 100

165 103.0 73.4 110.2

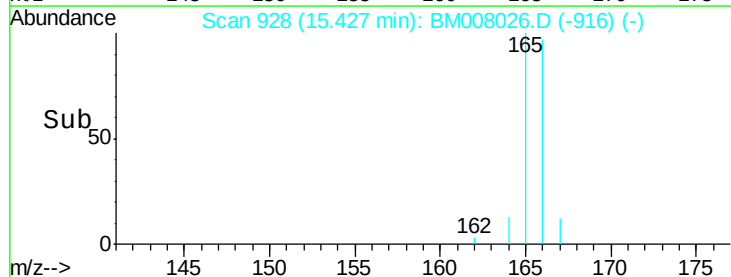
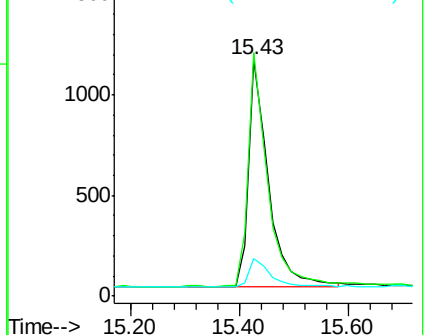
167 16.1 14.6 22.0

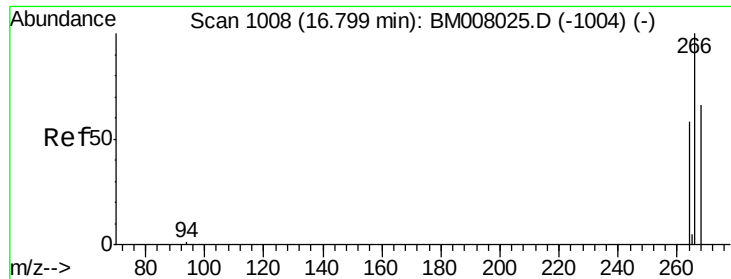


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

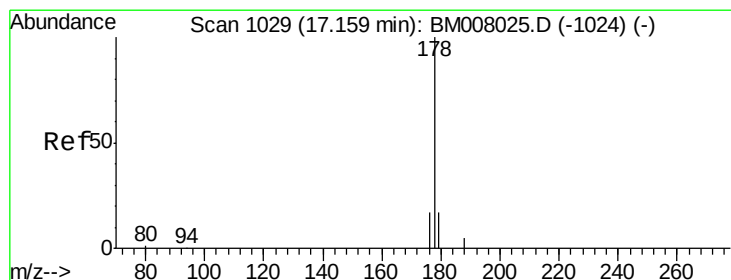
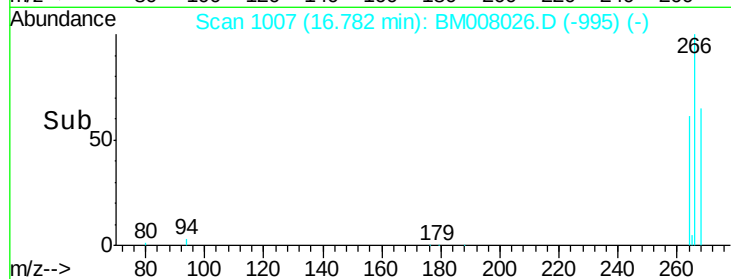
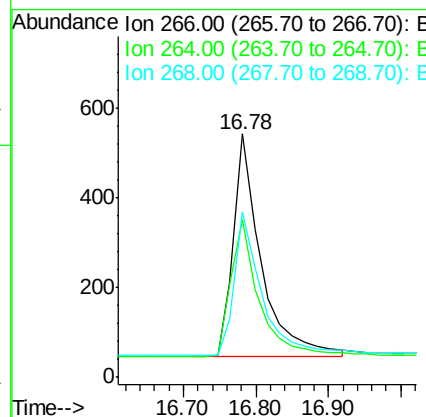
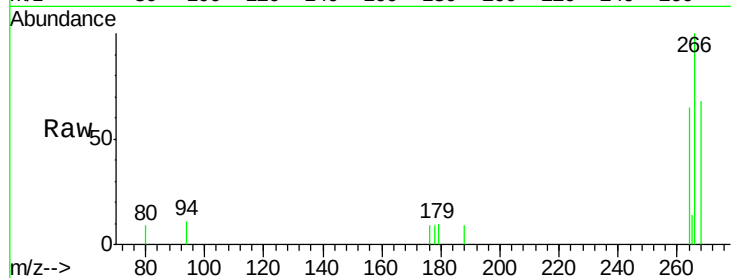




#11
 Pentachlorophenol
 Concen: 2.19 ng/ul
 RT: 16.78 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: BM008026.D
 Acq: 23 Nov 2016 10:20

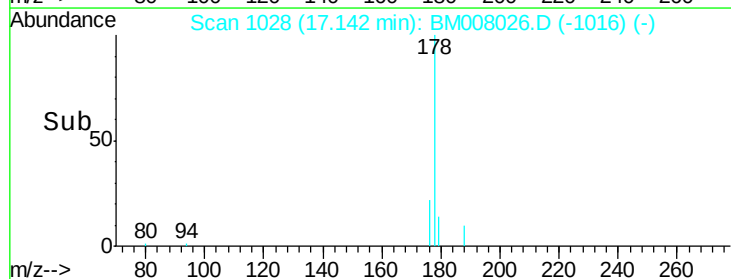
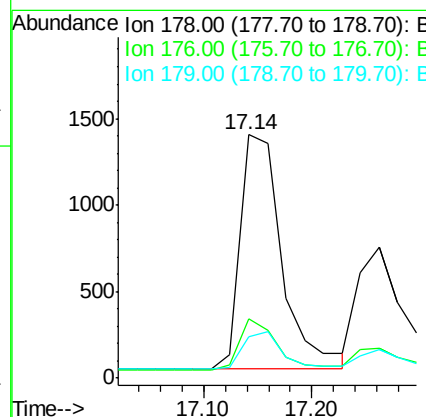
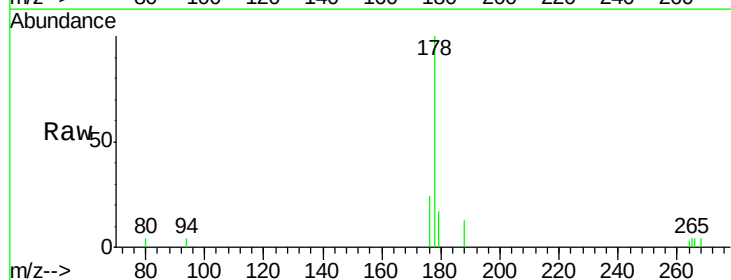
Instrument :
 BNA_M
 ClientSampleId :
 A4WB6

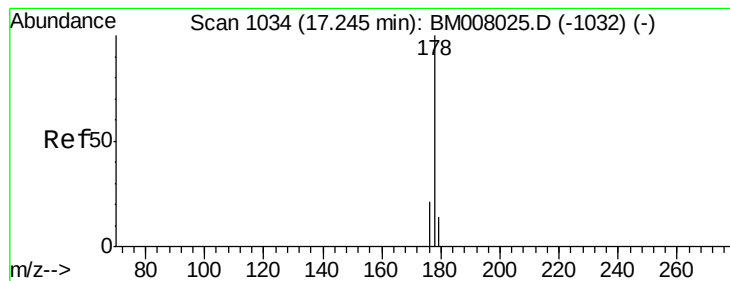
Tgt Ion: 266 Resp: 1300
 Ion Ratio Lower Upper
 266 100
 264 64.1 47.9 71.9
 268 64.5 49.8 74.8



#12
 Phenanthrene
 Concen: 0.68 ng/ul
 RT: 17.14 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BM008026.D
 Acq: 23 Nov 2016 10:20

Tgt Ion: 178 Resp: 3603
 Ion Ratio Lower Upper
 178 100
 176 24.4 18.4 27.6
 179 17.1 13.6 20.4





#13

Anthracene

Concen: 0.41 ng/ul

RT: 17.26 min Scan# 1035

Delta R.T. 0.02 min

Lab File: BM008026.D

Acq: 23 Nov 2016 10:20

Instrument :

BNA_M

ClientSampleId :

A4WB6

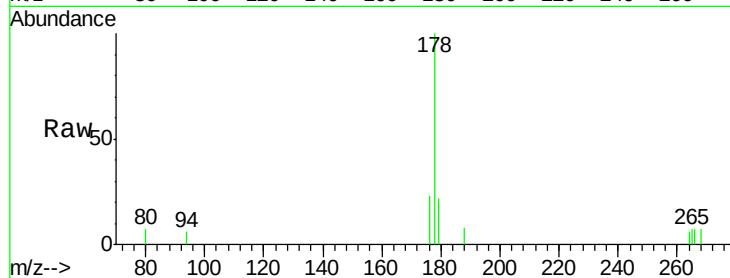
Tgt Ion:178 Resp: 2020

Ion Ratio Lower Upper

178 100

176 23.0 18.1 27.1

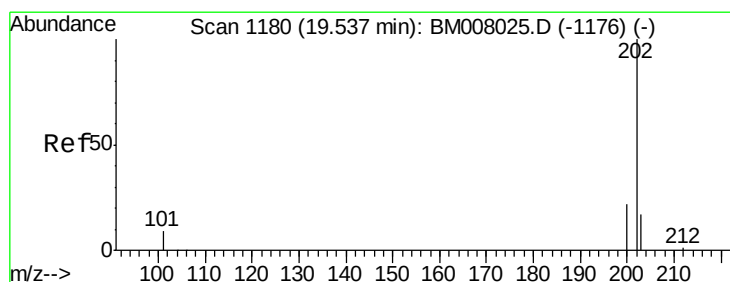
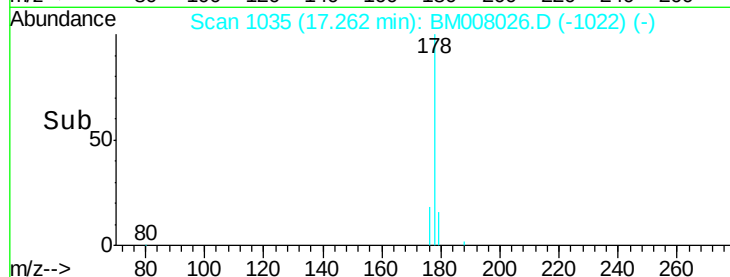
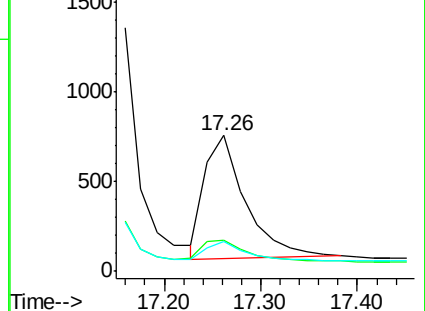
179 21.9 14.7 22.1



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



#17

Pyrene

Concen: 1.58 ng/ul

RT: 19.54 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BM008026.D

Acq: 23 Nov 2016 10:20

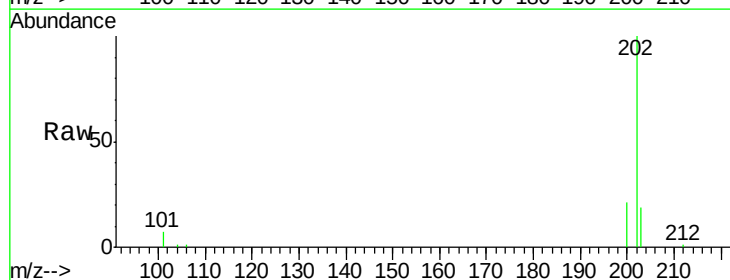
Tgt Ion:202 Resp: 9240

Ion Ratio Lower Upper

202 100

200 20.7 18.2 27.4

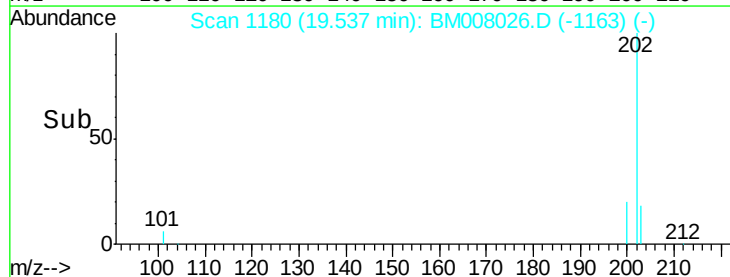
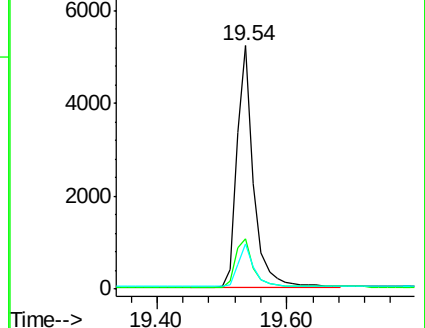
203 18.8 15.6 23.4

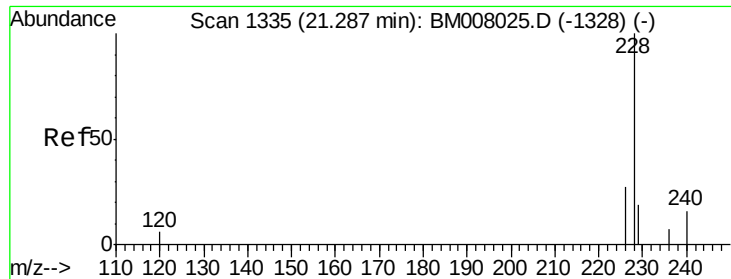


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.73 ng/ul

RT: 21.29 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BM008026.D

Acq: 23 Nov 2016 10:20

Instrument :

BNA_M

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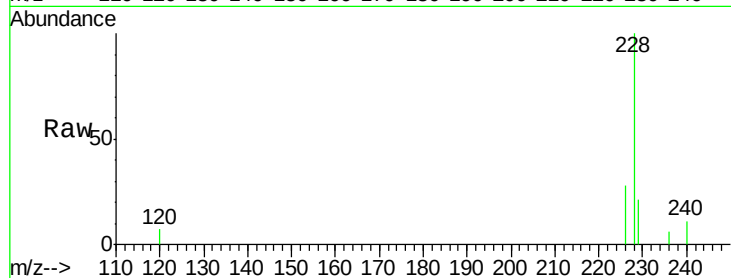
Tgt Ion:228 Resp: 3790

Ion Ratio Lower Upper

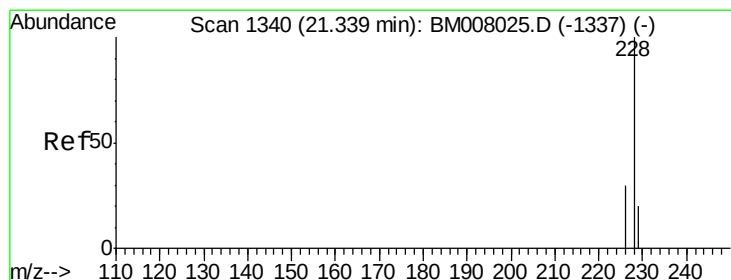
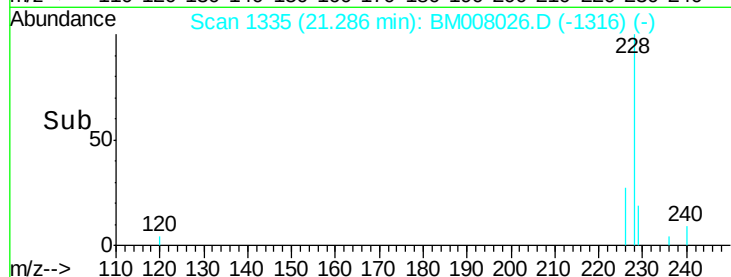
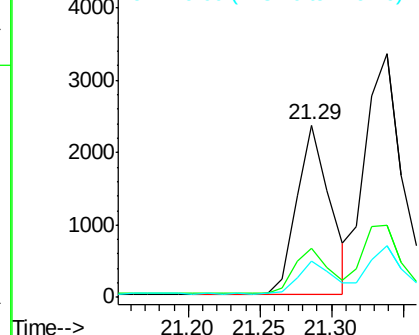
228 100

226 28.2 22.8 34.2

229 21.2 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: 0.98 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BM008026.D

Acq: 23 Nov 2016 10:20

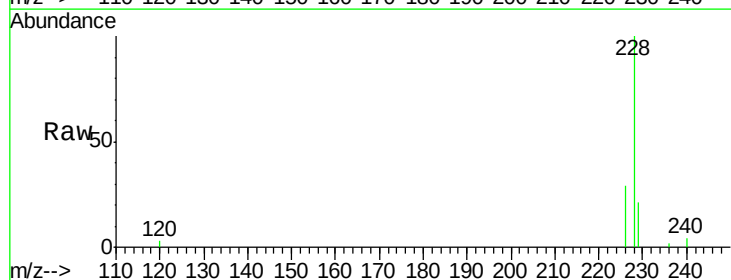
Tgt Ion:228 Resp: 6282

Ion Ratio Lower Upper

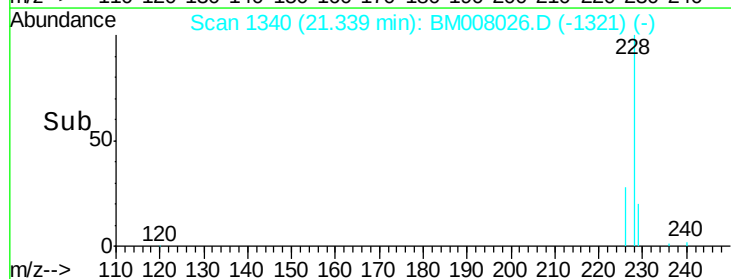
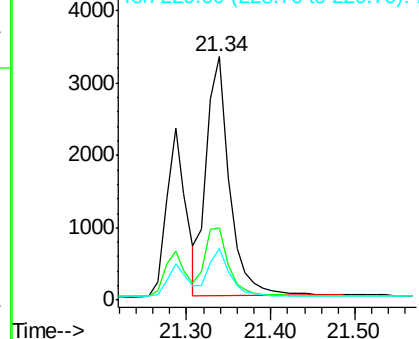
228 100

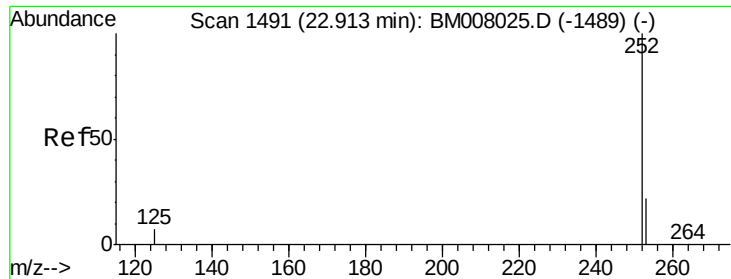
226 29.4 23.4 35.0

229 21.3 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





#22

Benzo(k)fluoranthene

Concen: 0.46 ng/ul

RT: 22.92 min Scan# 1492

Delta R.T. 0.01 min

Lab File: BM008026.D

Acq: 23 Nov 2016 10:20

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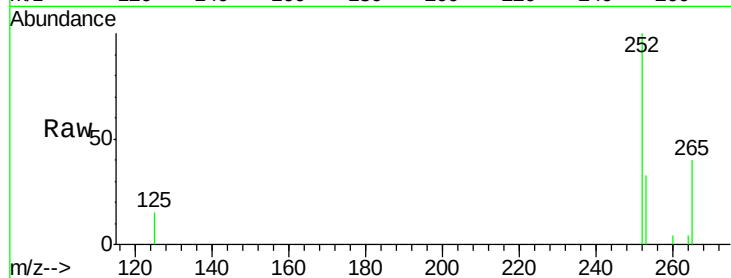
Tgt Ion:252 Resp: 2972

Ion Ratio Lower Upper

252 100

253 33.4 24.5 36.7

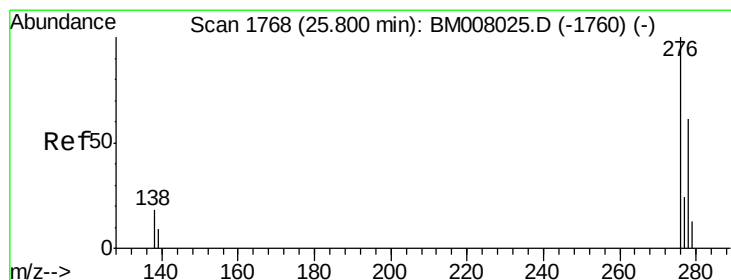
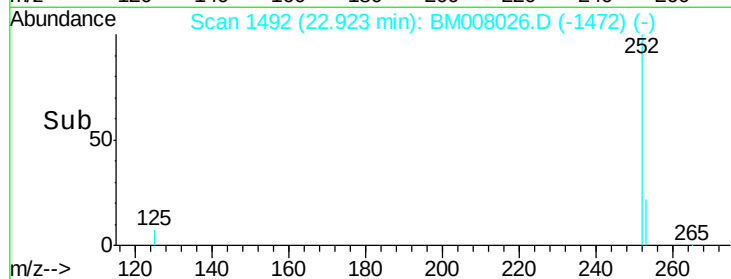
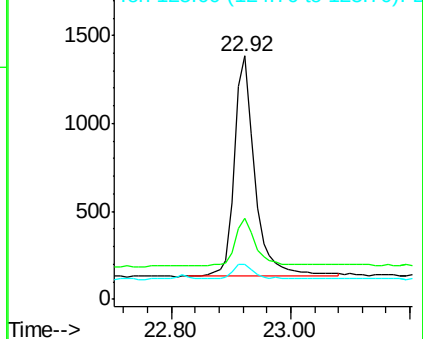
125 14.6 13.7 20.5



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.66 ng/ul

RT: 25.81 min Scan# 1769

Delta R.T. 0.01 min

Lab File: BM008026.D

Acq: 23 Nov 2016 10:20

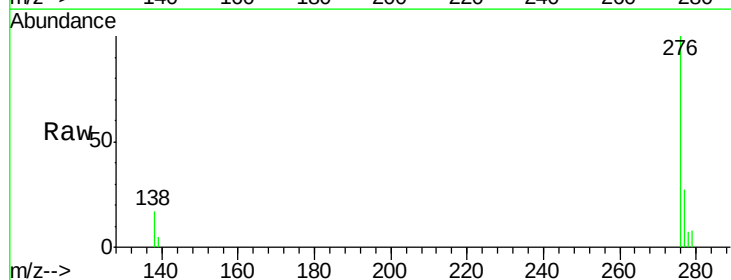
Tgt Ion:276 Resp: 4723

Ion Ratio Lower Upper

276 100

138 14.4 19.1 28.7#

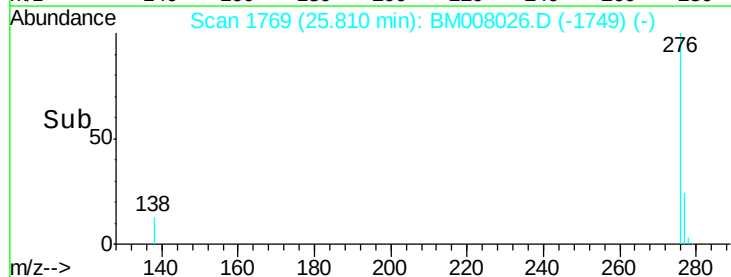
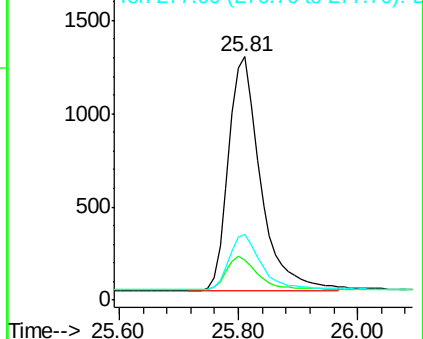
277 23.5 19.6 29.4

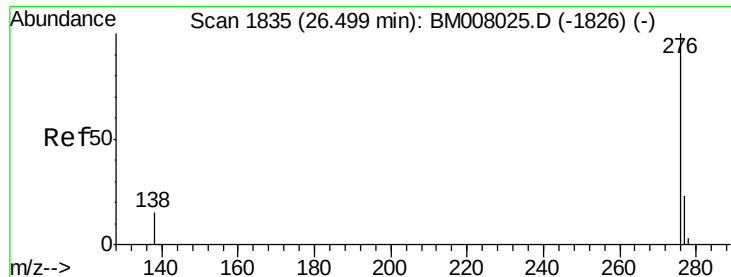


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#26

Benzo(g,h,i)perylene

Concen: 0.84 ng/ul

RT: 26.50 min Scan# 1835

Delta R.T. 0.00 min

Lab File: BM008026.D

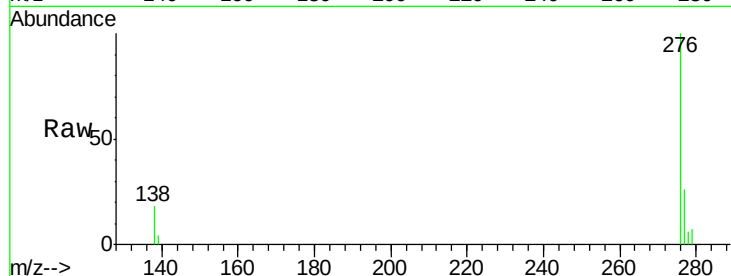
Acq: 23 Nov 2016 10:20

Instrument :

BNA_M

ClientSampleId :

A4WB6



Tgt Ion: 276 Resp: 5389

Ion Ratio Lower Upper

276 100

277 26.1 21.8 32.8

138 18.2 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

