

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112816\
 Data File : BM008094.D
 Acq On : 28 Nov 2016 19:43
 Operator : UM/SJ
 Sample : H5694-02DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSR1DL

Quant Time: Nov 29 00:13:52 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 00:11:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	593	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.50	136	2014	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	1183	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	2238	0.40	ng/ul	-0.02
16) Chrysene-d12	21.29	240	2478	0.40	ng/ul	0.00
20) Perylene-d12	23.53	264	2316	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	139	0.05	ng/ul	0.02
14) Fluoranthene-d10	19.13	212	293	0.05	ng/ul	-0.01

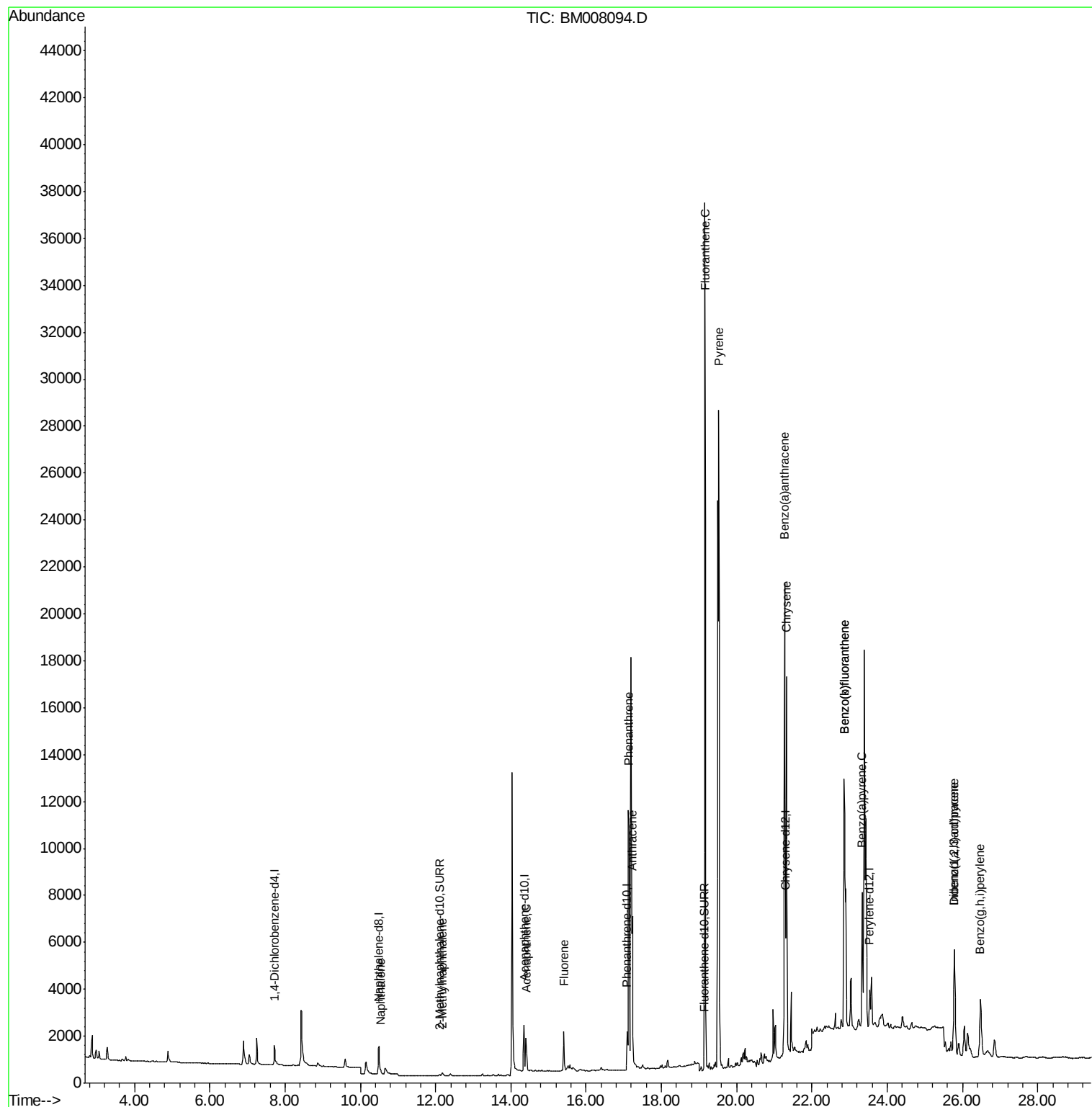
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	274	0.05	ng/ul#	43
5) 2-Methylnaphthalene	12.17	142	137	0.04	ng/ul	100
8) Acenaphthene	14.40	153	980	0.24	ng/ul	91
9) Fluorene	15.41	166	1530	0.33	ng/ul	98
12) Phenanthrene	17.12	178	17286	2.48	ng/ul	97
13) Anthracene	17.23	178	7320	1.12	ng/ul	95
15) Fluoranthene	19.16	202	36788	4.09	ng/ul	94
17) Pyrene	19.52	202	28376	3.30	ng/ul	97
18) Benzo(a)anthracene	21.27	228	18515	2.43	ng/ul	99
19) Chrysene	21.32	228	15534	1.64	ng/ul	97
21) Benzo(b)fluoranthene	22.86	252	24843	2.69	ng/ul	89
22) Benzo(k)fluoranthene	22.86	252	24843	2.61	ng/ul#	91
23) Benzo(a)pyrene	23.34	252	7963	0.92	ng/ul	90
24) Indeno(1,2,3-cd)pyrene	25.79	276	7238	0.68	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.79	278	2406	0.28	ng/ul#	70
26) Benzo(g,h,i)perylene	26.47	276	5654	0.60	ng/ul	92

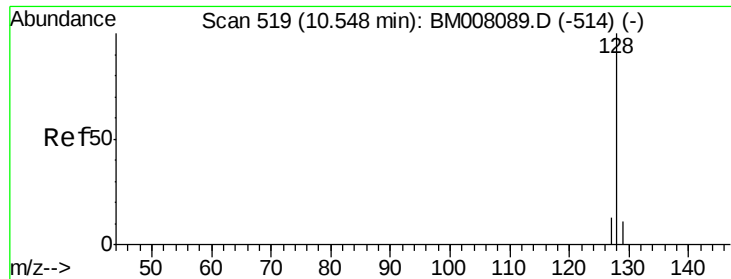
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.05 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.00 min

Lab File: BM008094.D

Acq: 28 Nov 2016 19:43

Instrument :

BNA_M

ClientSampleId :

JHSR1DL

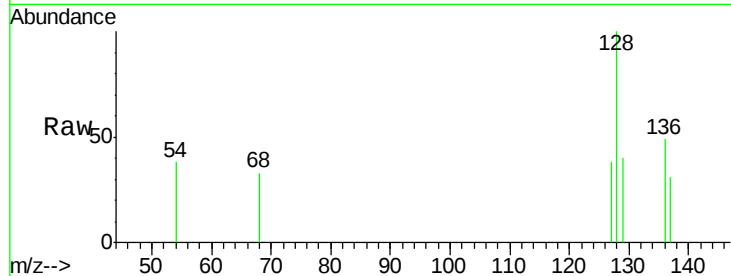
Tgt Ion:128 Resp: 274

Ion Ratio Lower Upper

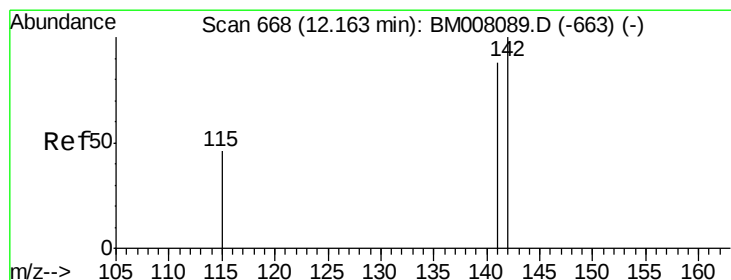
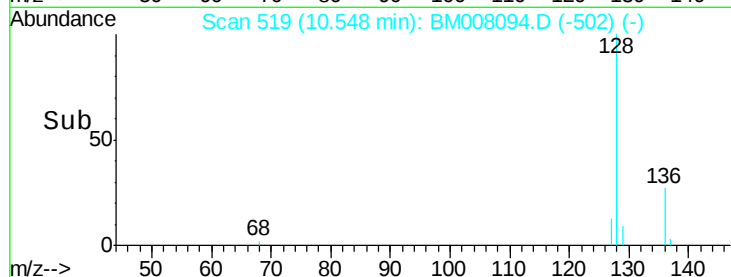
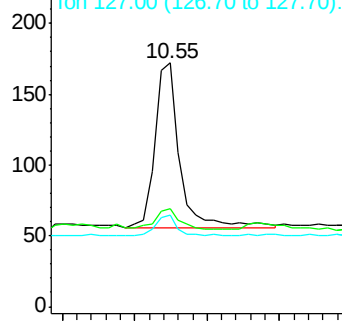
128 100

129 40.1 11.3 16.9#

127 37.8 12.8 19.2#



Abundance Ion 128.00 (127.70 to 128.70): E



#5

2-Methylnaphthalene

Concen: 0.04 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. 0.01 min

Lab File: BM008094.D

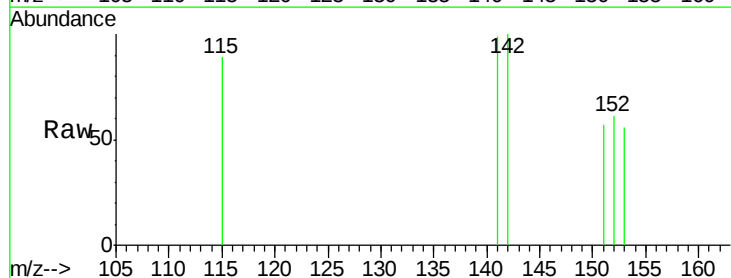
Acq: 28 Nov 2016 19:43

Tgt Ion:142 Resp: 137

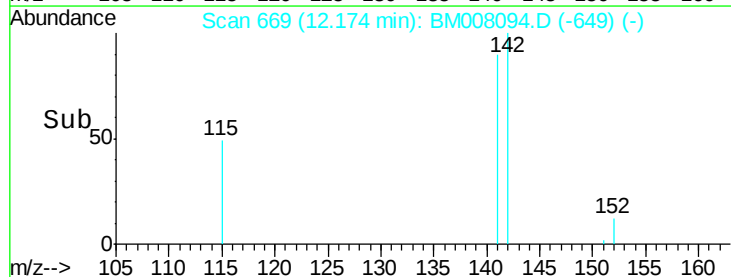
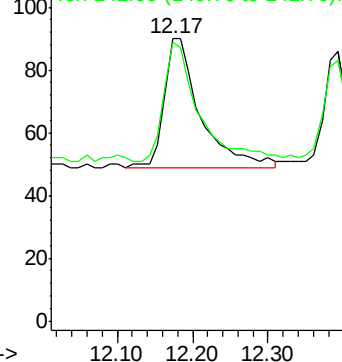
Ion Ratio Lower Upper

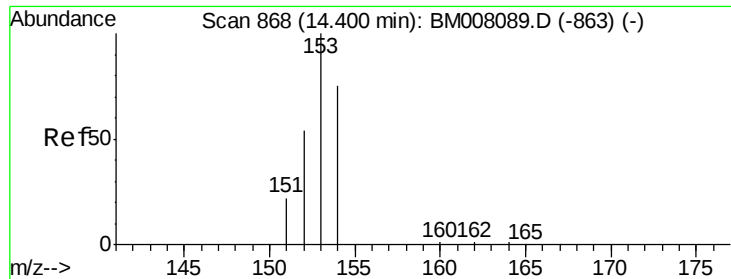
142 100

141 90.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E





#8

Acenaphthene

Concen: 0.24 ng/ul

RT: 14.40 min Scan# 868

Delta R.T. -0.00 min

Lab File: BM008094.D

Acq: 28 Nov 2016 19:43

Instrument :

BNA_M

ClientSampleId :

JHSR1DL

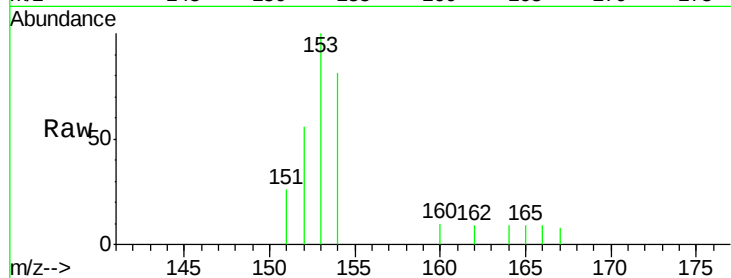
Tgt Ion:153 Resp: 980

Ion Ratio Lower Upper

153 100

152 56.2 40.3 60.5

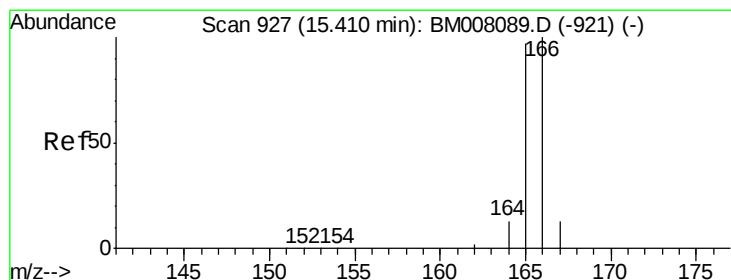
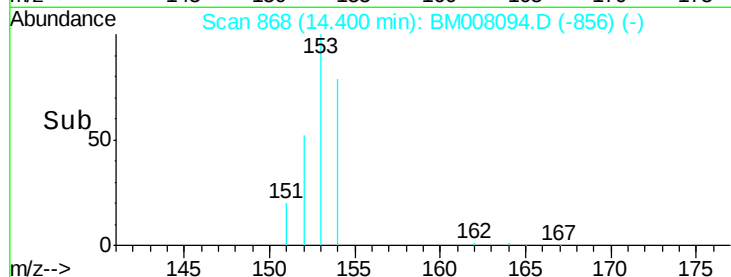
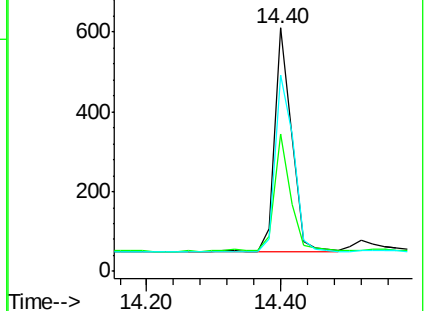
154 80.8 71.4 107.2



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: 0.33 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.00 min

Lab File: BM008094.D

Acq: 28 Nov 2016 19:43

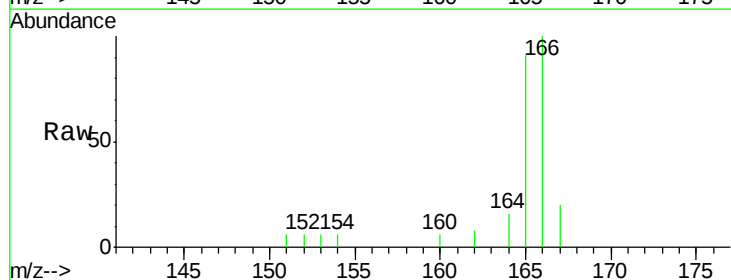
Tgt Ion:166 Resp: 1530

Ion Ratio Lower Upper

166 100

165 90.6 73.4 110.2

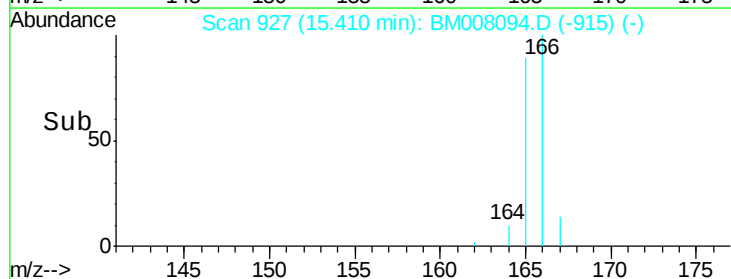
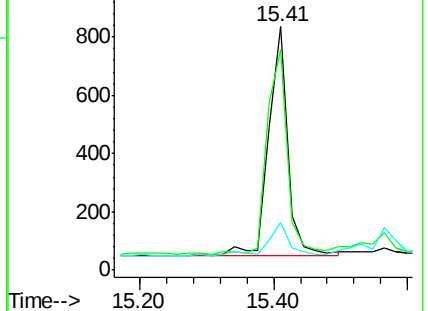
167 19.9 14.6 22.0

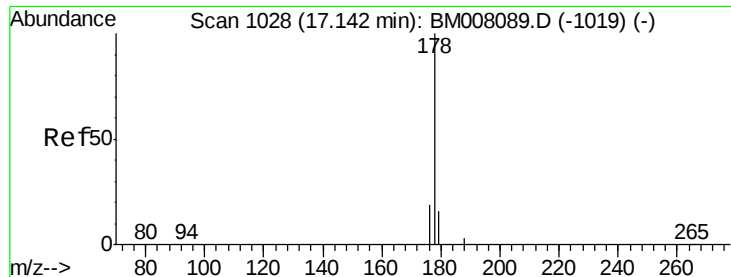


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 2.48 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BM008094.D

Acq: 28 Nov 2016 19:43

Instrument :

BNA_M

ClientSampleId :

JHSR1DL

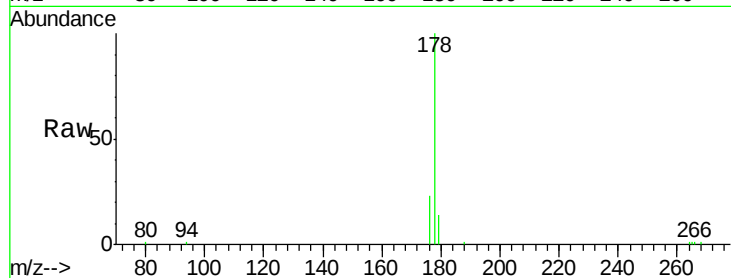
Tgt Ion:178 Resp: 17286

Ion Ratio Lower Upper

178 100

176 23.0 18.4 27.6

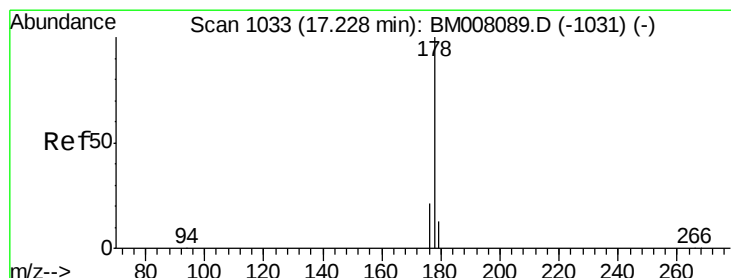
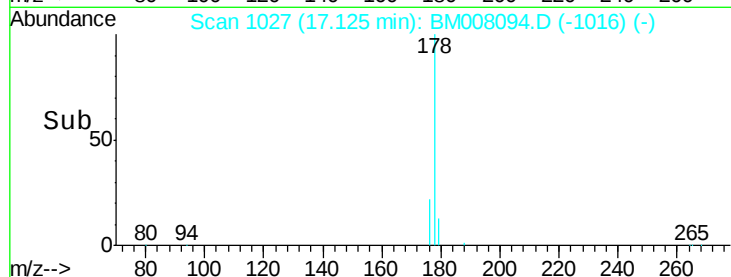
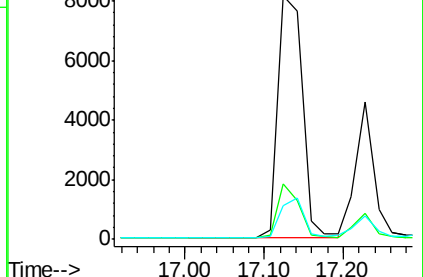
179 13.9 13.6 20.4



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: 1.12 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM008094.D

Acq: 28 Nov 2016 19:43

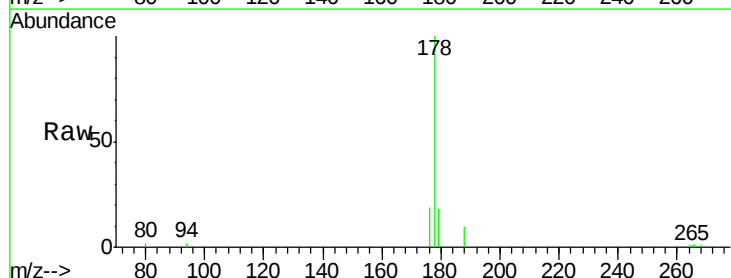
Tgt Ion:178 Resp: 7320

Ion Ratio Lower Upper

178 100

176 19.1 18.1 27.1

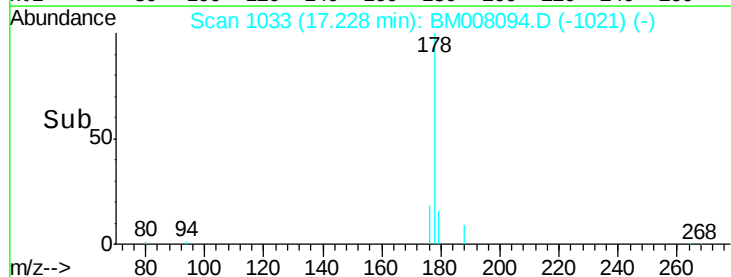
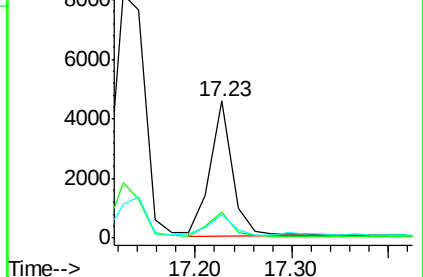
179 17.6 14.7 22.1

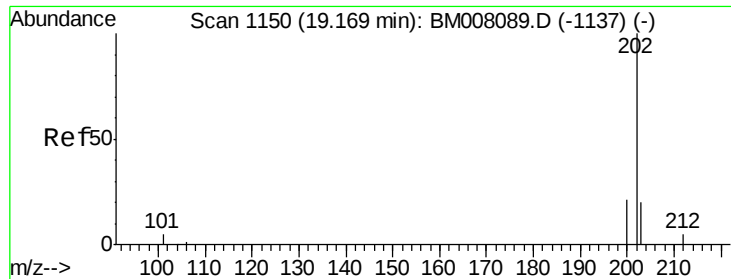


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

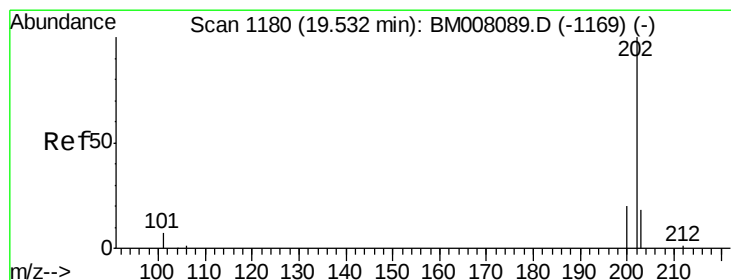
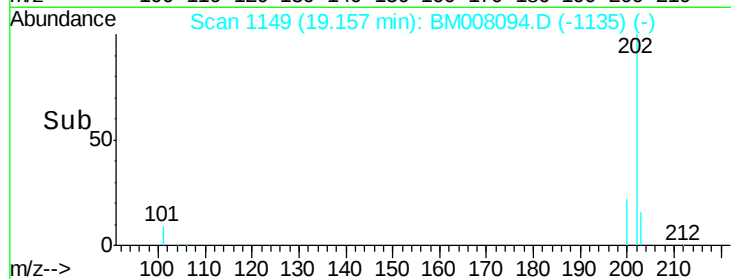
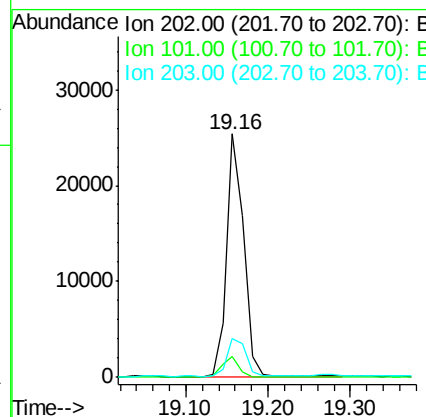
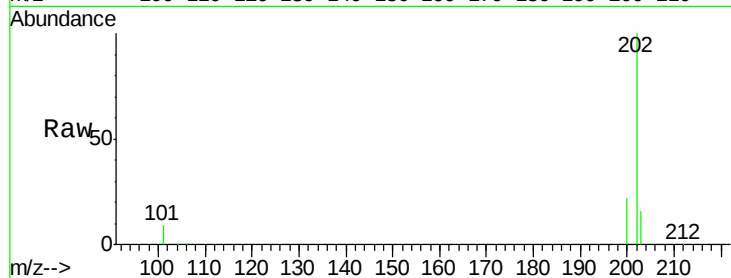




#15
Fluoranthene
Concen: 4.09 ng/ul
RT: 19.16 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BM008094.D
Acq: 28 Nov 2016 19:43

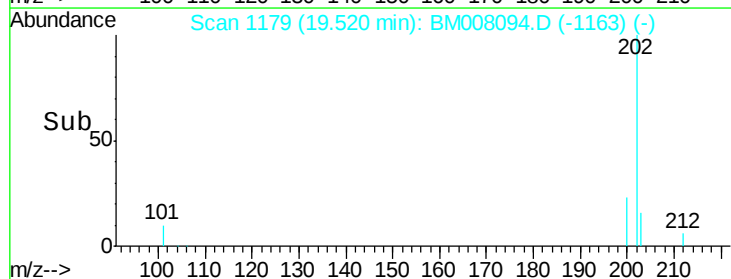
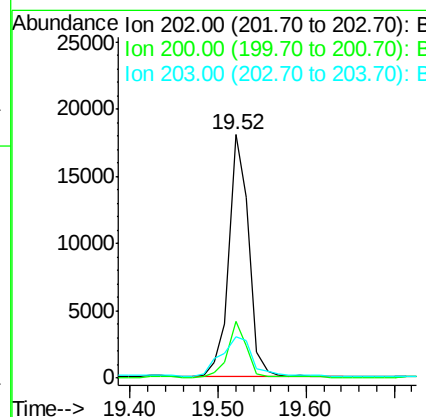
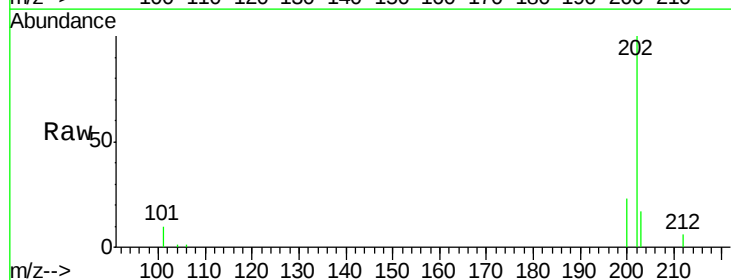
Instrument :
BNA_M
ClientSampleId :
JHSR1DL

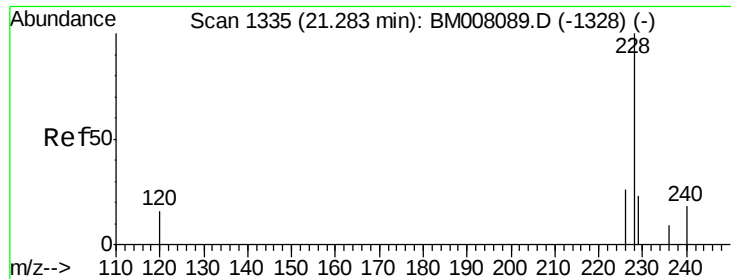
Tgt Ion:202 Resp: 36788
Ion Ratio Lower Upper
202 100
101 8.5 0.0 30.3
203 16.2 0.0 39.5



#17
Pyrene
Concen: 3.30 ng/ul
RT: 19.52 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BM008094.D
Acq: 28 Nov 2016 19:43

Tgt Ion:202 Resp: 28376
Ion Ratio Lower Upper
202 100
200 23.3 18.2 27.4
203 17.1 15.6 23.4





#18

Benzo(a)anthracene

Concen: 2.43 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BM008094.D

Acq: 28 Nov 2016 19:43

Instrument :

BNA_M

ClientSampleId :

JHSR1DL

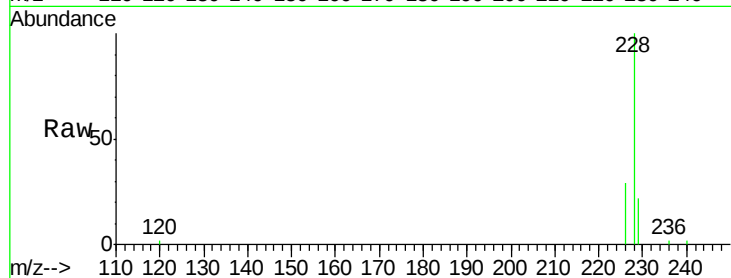
Tgt Ion:228 Resp: 18515

Ion Ratio Lower Upper

228 100

226 28.6 22.8 34.2

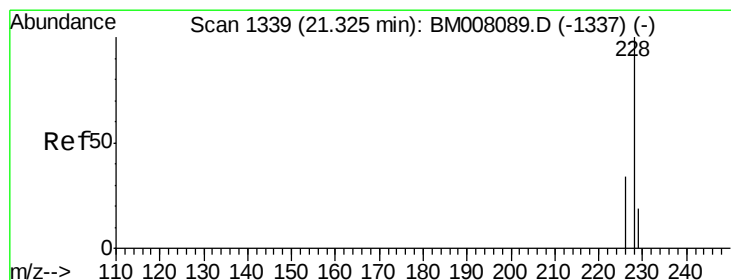
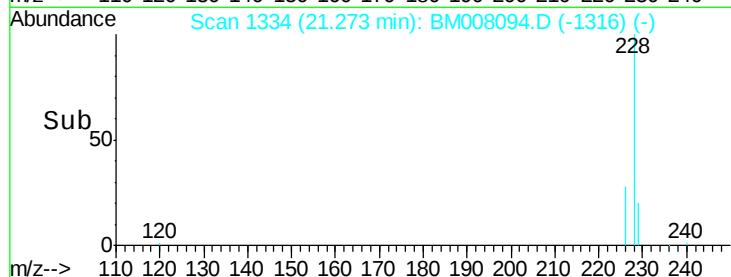
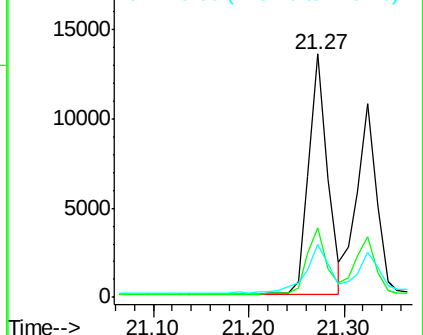
229 21.8 17.0 25.6



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: 1.64 ng/ul

RT: 21.32 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BM008094.D

Acq: 28 Nov 2016 19:43

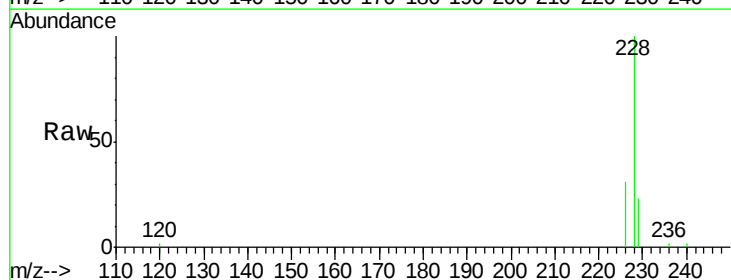
Tgt Ion:228 Resp: 15534

Ion Ratio Lower Upper

228 100

226 31.1 23.4 35.0

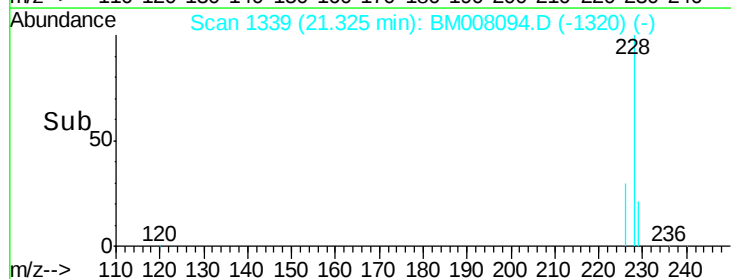
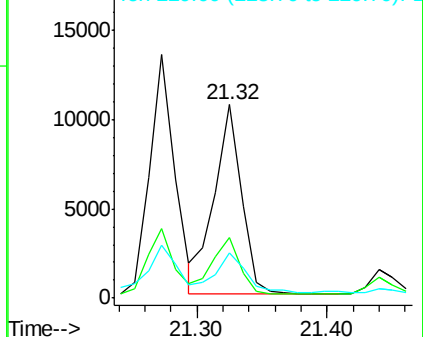
229 23.1 17.7 26.5

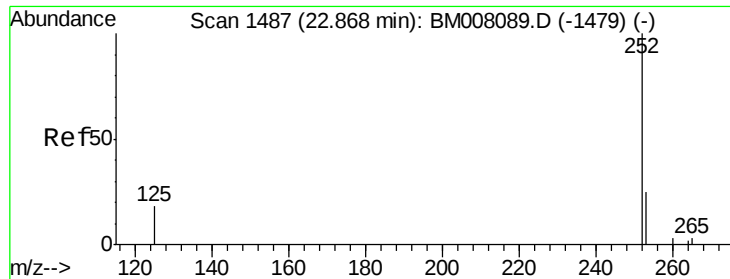


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 2.69 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BM008094.D

Acq: 28 Nov 2016 19:43

Instrument :

BNA_M

ClientSampleId :

JHSR1DL

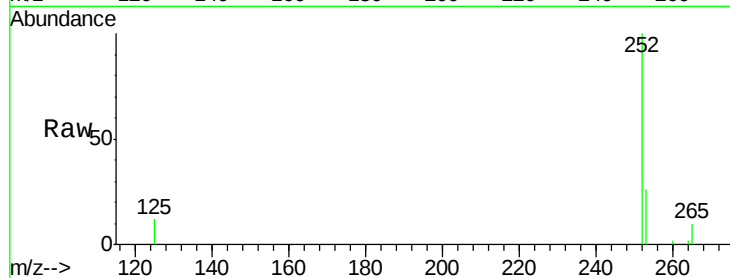
Tgt Ion:252 Resp: 24843

Ion Ratio Lower Upper

252 100

253 26.3 0.0 64.2

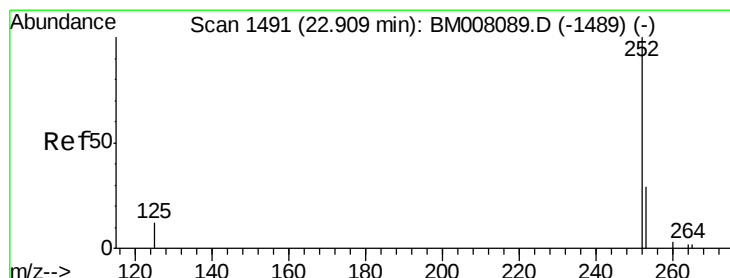
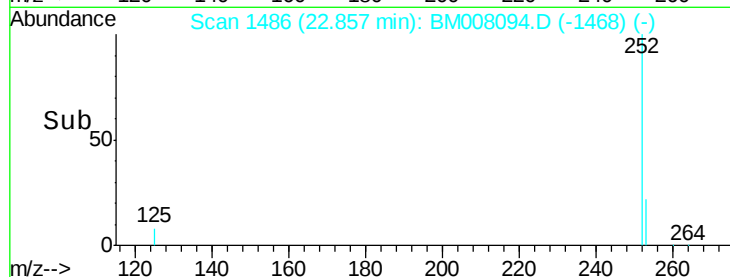
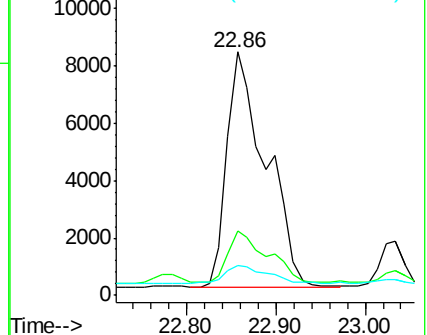
125 12.5 0.0 35.0



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: 2.61 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.05 min

Lab File: BM008094.D

Acq: 28 Nov 2016 19:43

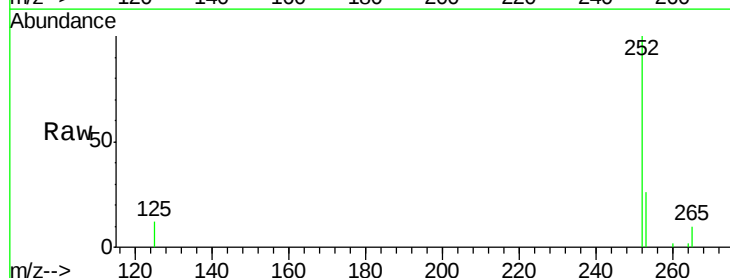
Tgt Ion:252 Resp: 24843

Ion Ratio Lower Upper

252 100

253 26.3 24.5 36.7

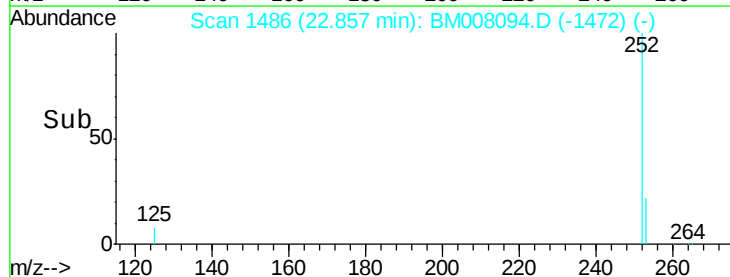
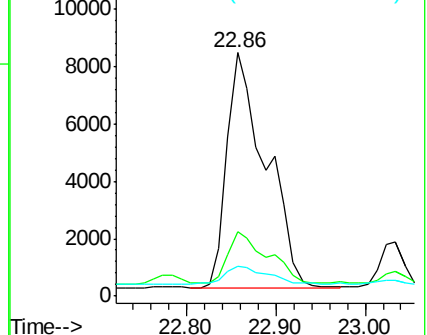
125 12.5 13.7 20.5#

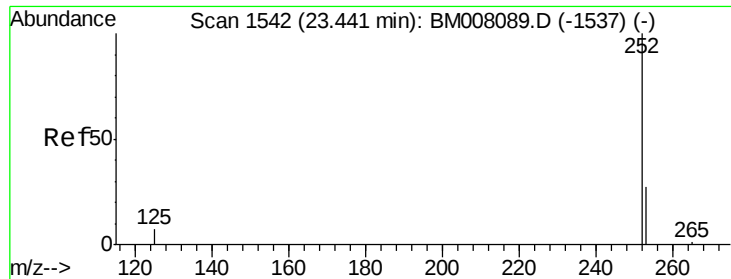


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.92 ng/ul

RT: 23.34 min Scan# 1532

Delta R.T. -0.10 min

Lab File: BM008094.D

Acq: 28 Nov 2016 19:43

Instrument :

BNA_M

ClientSampleId :

JHSR1DL

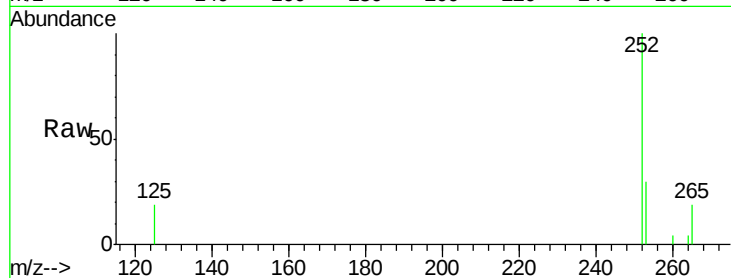
Tgt Ion: 252 Resp: 7963

Ion Ratio Lower Upper

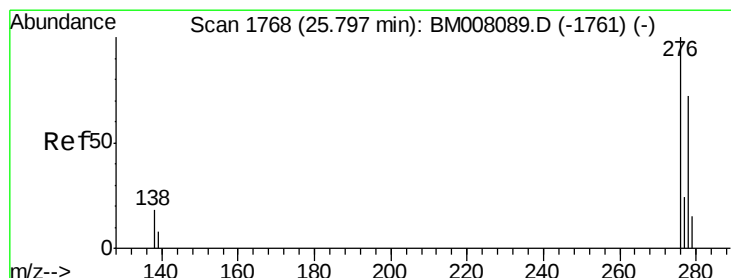
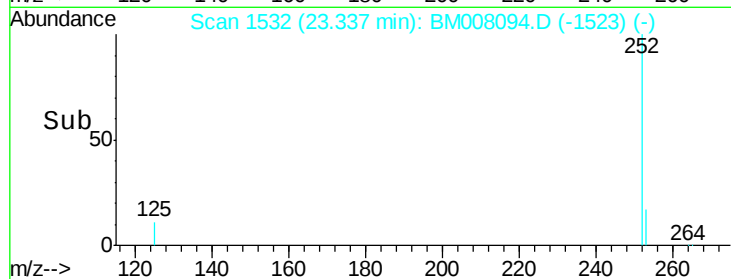
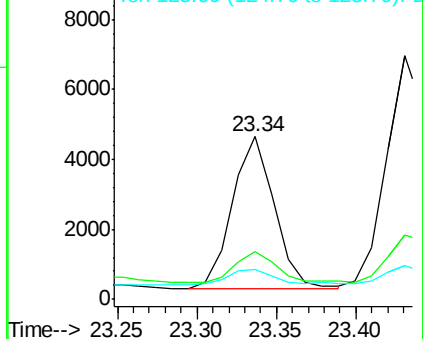
252 100

253 29.5 28.5 42.7

125 18.5 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: 0.68 ng/ul

RT: 25.79 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BM008094.D

Acq: 28 Nov 2016 19:43

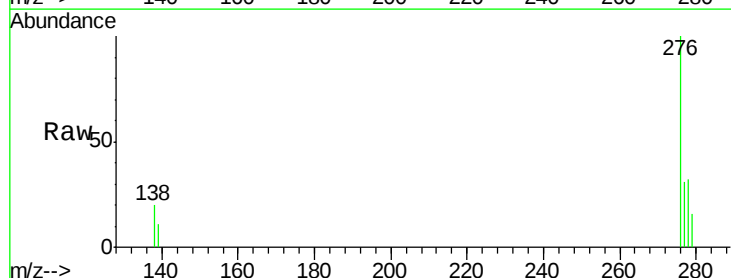
Tgt Ion: 276 Resp: 7238

Ion Ratio Lower Upper

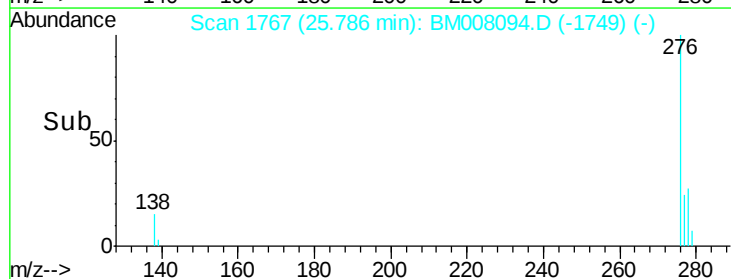
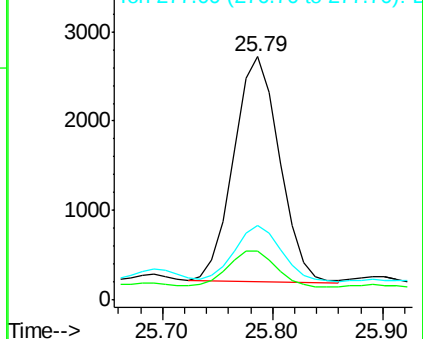
276 100

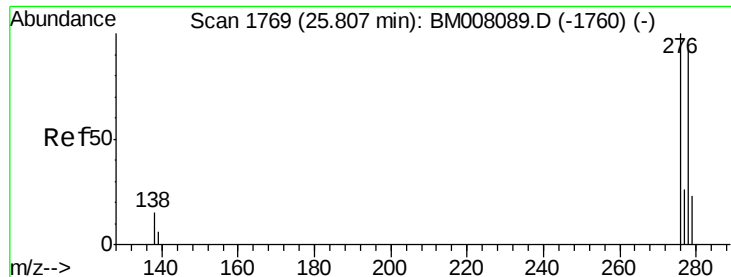
138 16.7 19.1 28.7#

277 25.1 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: 0.28 ng/ul

RT: 25.79 min Scan# 1767

Delta R.T. -0.02 min

Lab File: BM008094.D

Acq: 28 Nov 2016 19:43

Instrument :

BNA_M

ClientSampleId :

JHSR1DL

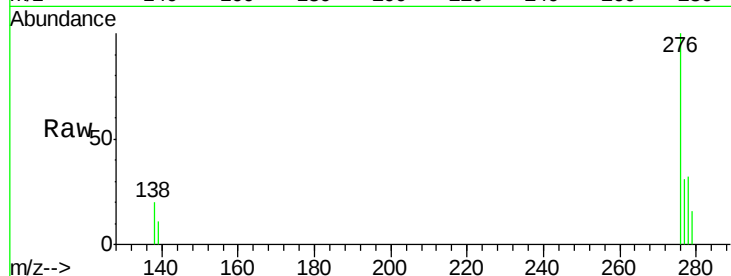
Tgt Ion:278 Resp: 2406

Ion Ratio Lower Upper

278 100

139 33.4 17.4 26.0#

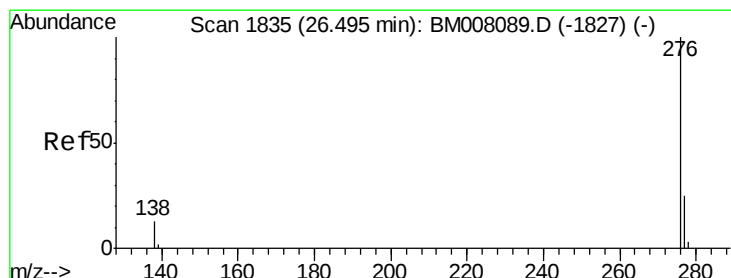
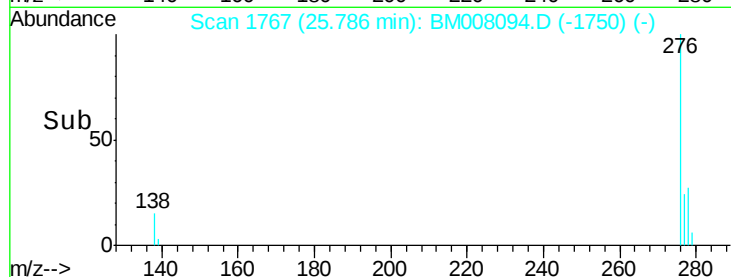
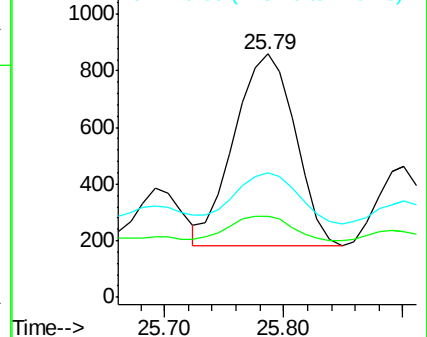
279 51.4 25.9 38.9#



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: 0.60 ng/ul

RT: 26.47 min Scan# 1833

Delta R.T. -0.02 min

Lab File: BM008094.D

Acq: 28 Nov 2016 19:43

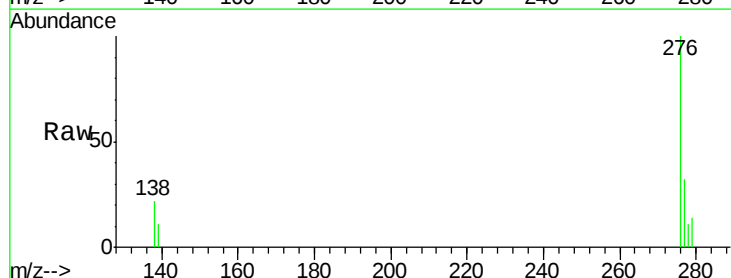
Tgt Ion:276 Resp: 5654

Ion Ratio Lower Upper

276 100

277 32.3 21.8 32.8

138 22.4 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

