

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008058.D
 Acq On : 24 Nov 2016 05:34
 Operator : UM/SJ
 Sample : H5694-21
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSS8

Quant Time: Nov 24 06:20:12 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 04:11:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	674	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.49	136	2248	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1334	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	2536	0.40	ng/ul	-0.02
16) Chrysene-d12	21.29	240	2577	0.40	ng/ul	-0.01
20) Perylene-d12	23.52	264	2594	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.10	152	412	0.13	ng/ul	-0.02
14) Fluoranthene-d10	19.13	212	1017	0.14	ng/ul	-0.01

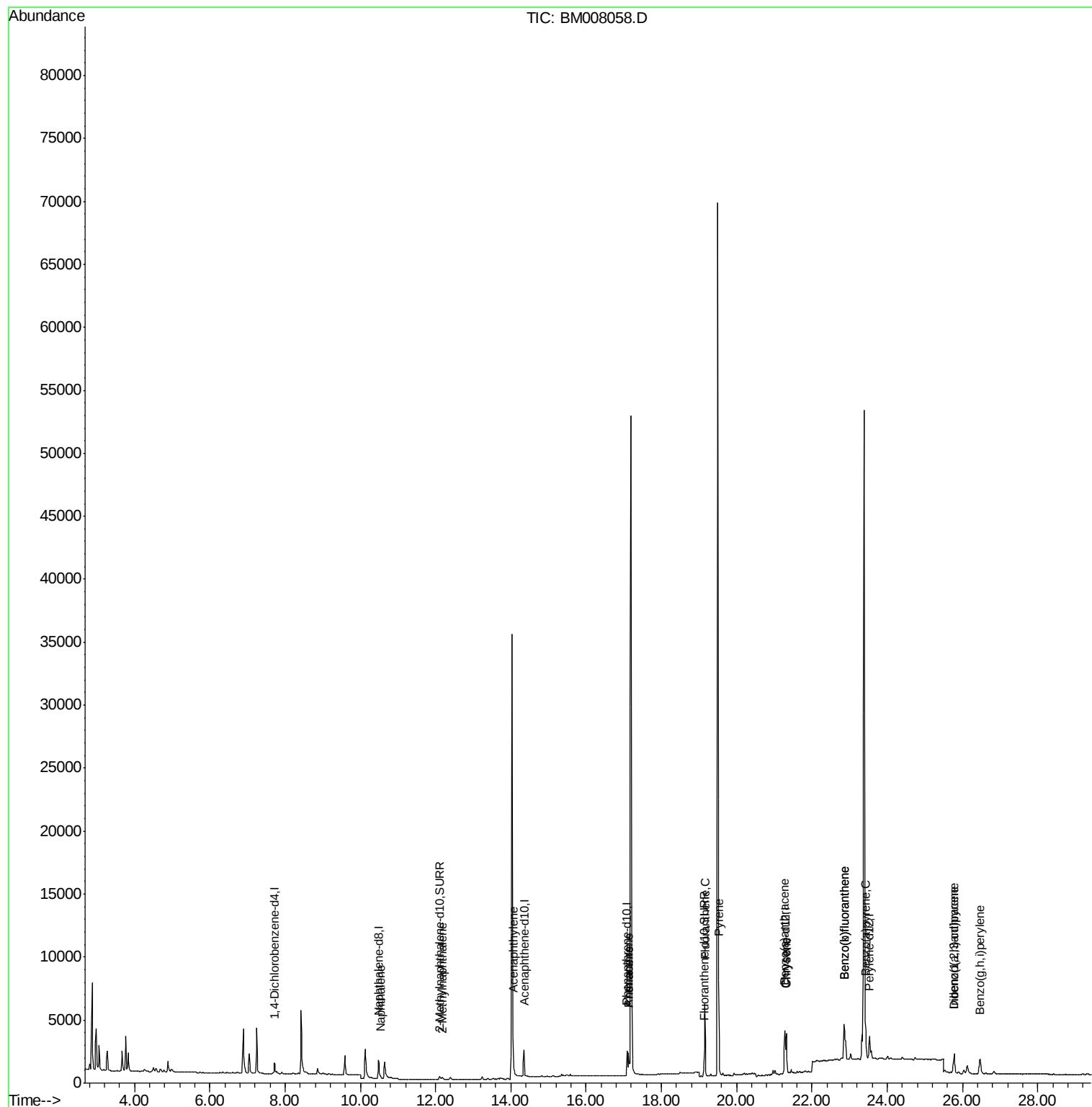
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	246	0.04	ng/ul#	45
5) 2-Methylnaphthalene	12.17	142	155	0.04	ng/ul	100
7) Acenaphthylene	14.06	152	298	0.05	ng/ul#	61
12) Phenanthrene	17.12	178	2227	0.28	ng/ul	96
13) Anthracene	17.12	178	2227	0.30	ng/ul	96
15) Fluoranthene	19.16	202	5772	0.57	ng/ul	97
17) Pyrene	19.52	202	5805	0.65	ng/ul	99
18) Benzo(a)anthracene	21.27	228	3132	0.40	ng/ul#	91
19) Chrysene	21.32	228	3528	0.36	ng/ul	93
21) Benzo(b)fluoranthene	22.86	252	6440	0.62	ng/ul	90
22) Benzo(k)fluoranthene	22.86	252	6440	0.60	ng/ul#	87
23) Benzo(a)pyrene	23.42	252	3340	0.34	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.78	276	2540	0.21	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.78	278	674	0.07	ng/ul#	21
26) Benzo(g,h,i)perylene	26.46	276	2668	0.25	ng/ul#	93

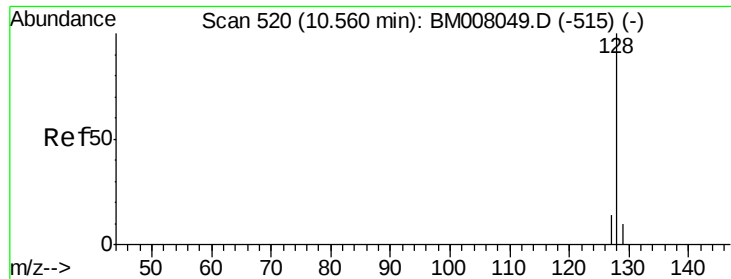
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.04 ng/ul

RT: 10.54 min Scan# 518

Delta R.T. -0.02 min

Lab File: BM008058.D

Acq: 24 Nov 2016 05:34

Instrument :

BNA_M

ClientSampleId :

JHSS8

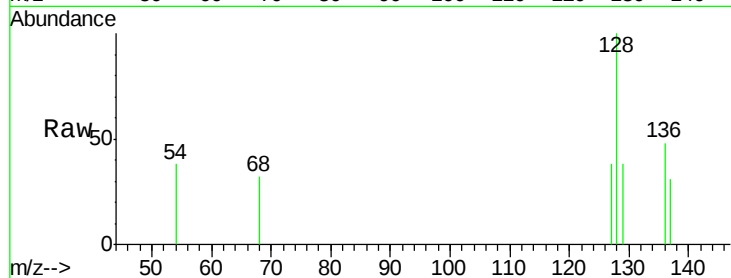
Tgt Ion:128 Resp: 246

Ion Ratio Lower Upper

128 100

129 38.4 11.3 16.9#

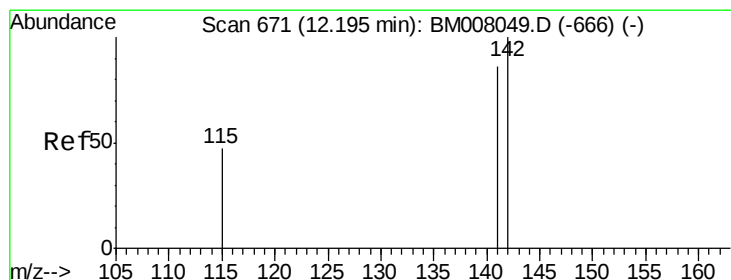
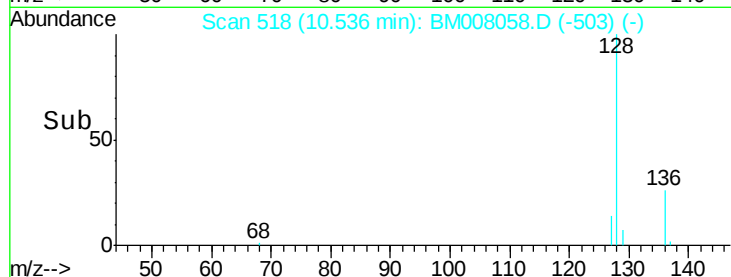
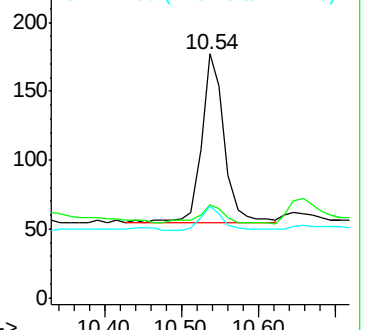
127 37.9 12.8 19.2#



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



#5

2-Methylnaphthalene

Concen: 0.04 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. -0.02 min

Lab File: BM008058.D

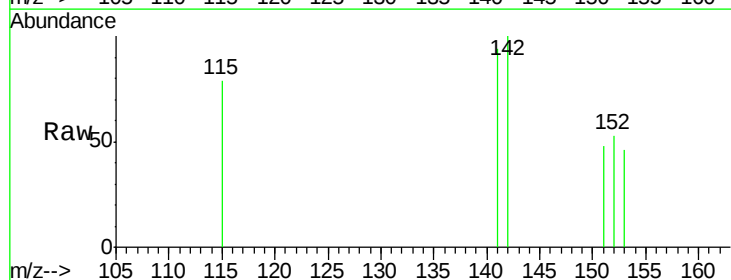
Acq: 24 Nov 2016 05:34

Tgt Ion:142 Resp: 155

Ion Ratio Lower Upper

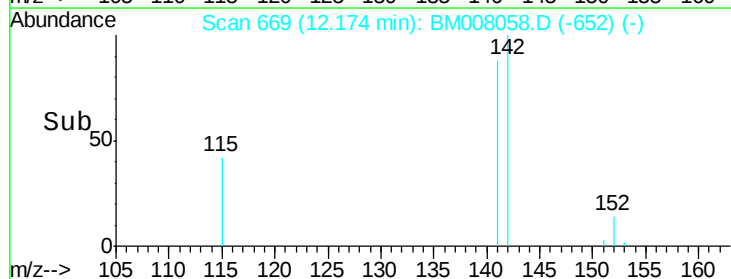
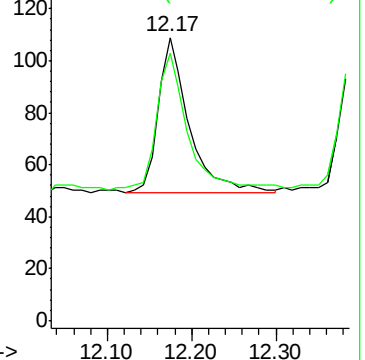
142 100

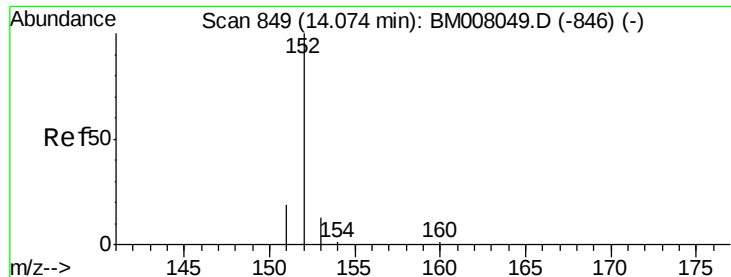
141 90.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.02 min

Lab File: BM008058.D

Acq: 24 Nov 2016 05:34

Instrument :

BNA_M

ClientSampleId :

JHSS8

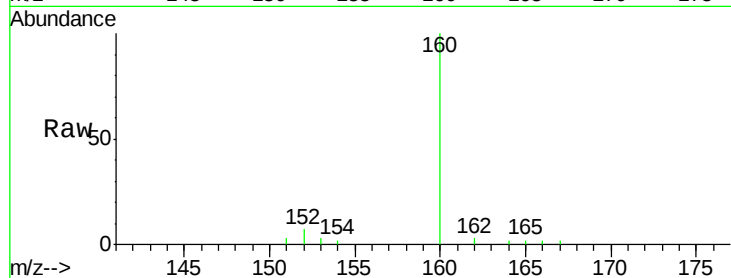
Tgt Ion:152 Resp: 298

Ion Ratio Lower Upper

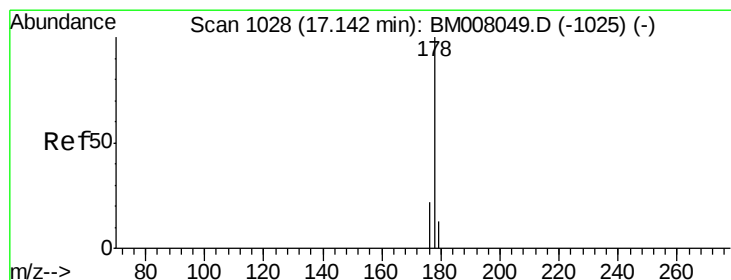
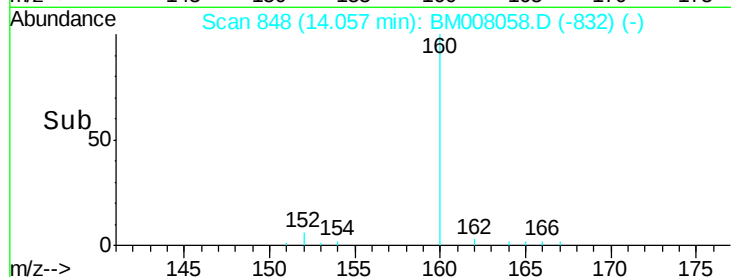
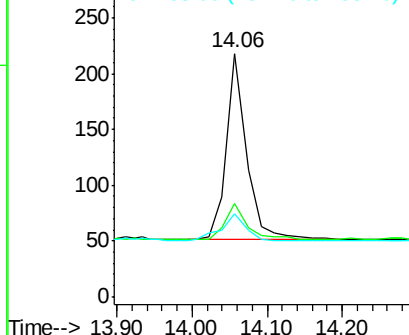
152 100

151 38.5 17.1 25.7#

153 33.9 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



#12

Phenanthrene

Concen: 0.28 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BM008058.D

Acq: 24 Nov 2016 05:34

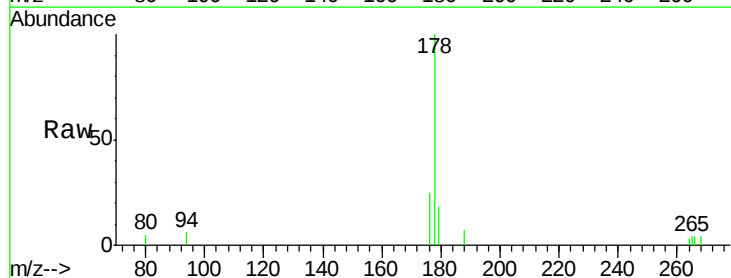
Tgt Ion:178 Resp: 2227

Ion Ratio Lower Upper

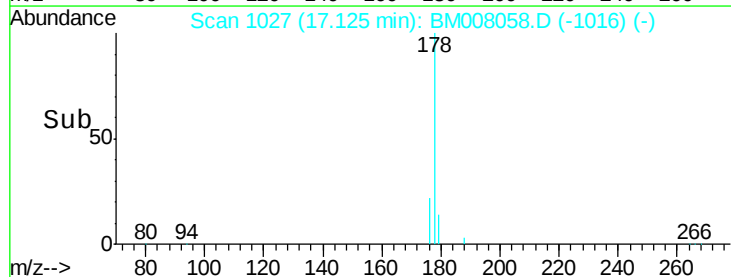
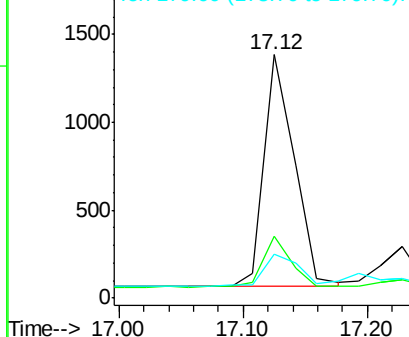
178 100

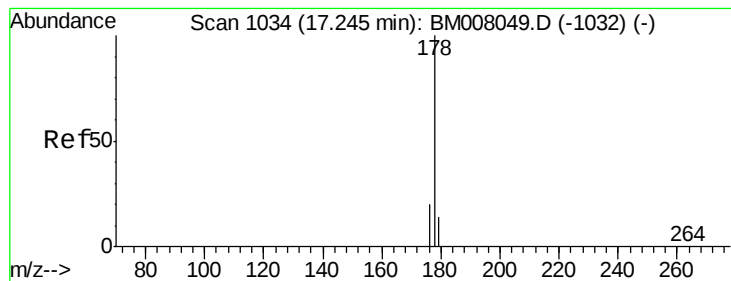
176 25.4 18.4 27.6

179 18.0 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: 0.30 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.12 min

Lab File: BM008058.D

Acq: 24 Nov 2016 05:34

Instrument :

BNA_M

ClientSampleId :

JHSS8

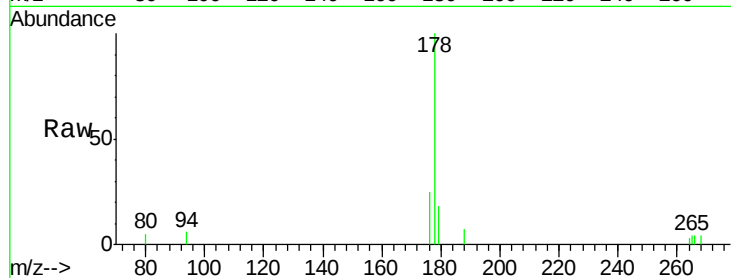
Tgt Ion:178 Resp: 2227

Ion Ratio Lower Upper

178 100

176 25.4 18.1 27.1

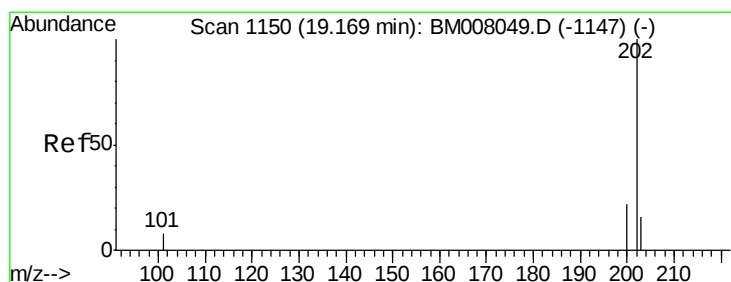
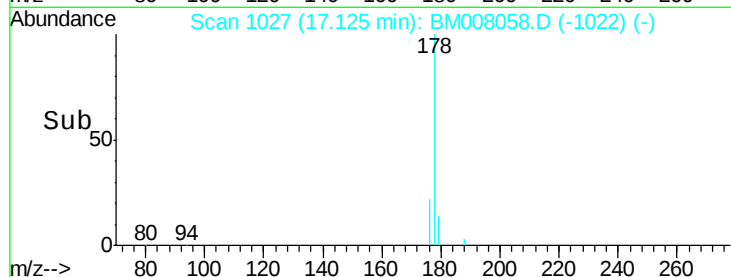
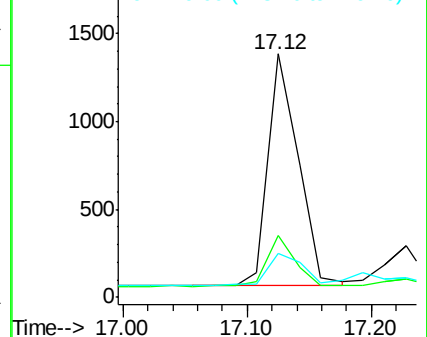
179 18.0 14.7 22.1



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: 0.57 ng/ul

RT: 19.16 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BM008058.D

Acq: 24 Nov 2016 05:34

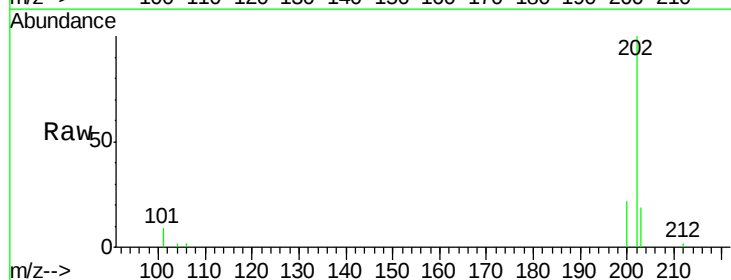
Tgt Ion:202 Resp: 5772

Ion Ratio Lower Upper

202 100

101 8.7 0.0 30.3

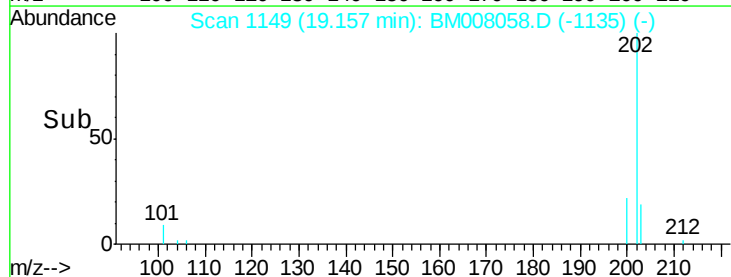
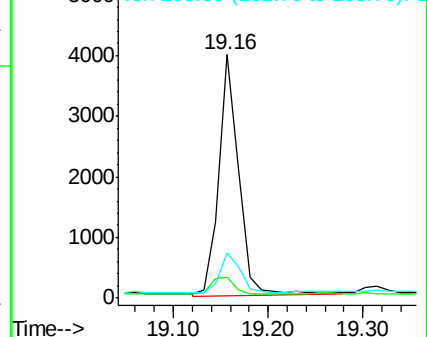
203 18.6 0.0 39.5

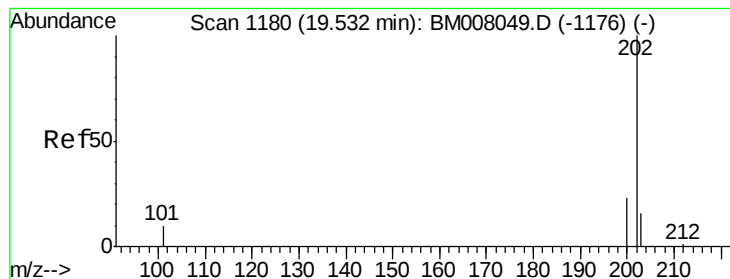


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pyrene

Concen: 0.65 ng/ul

RT: 19.52 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BM008058.D

Acq: 24 Nov 2016 05:34

Instrument :

BNA_M

ClientSampled :

JHSS8

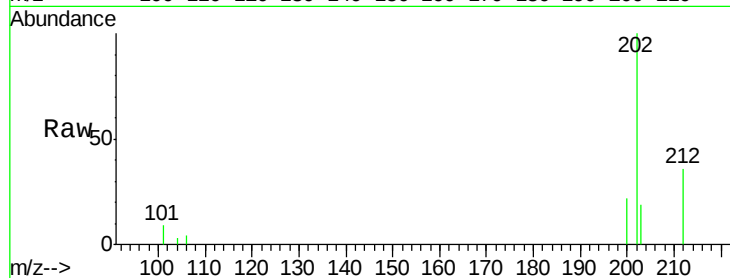
Tgt Ion:202 Resp: 5805

Ion Ratio Lower Upper

202 100

200 22.0 18.2 27.4

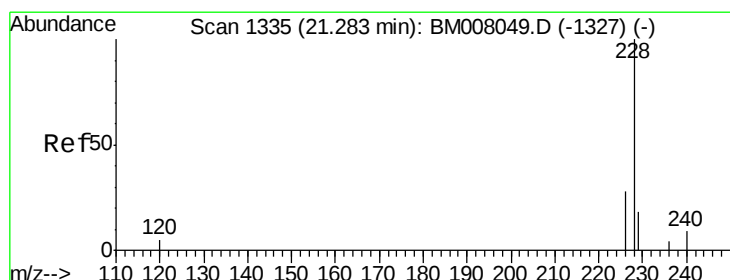
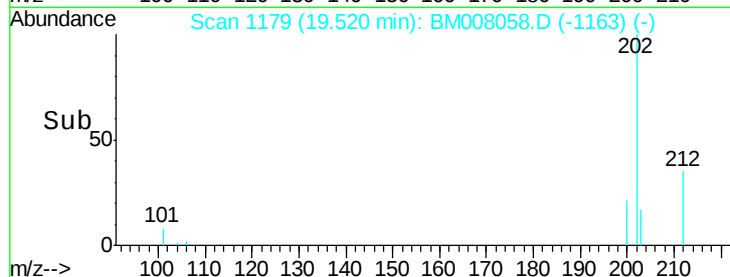
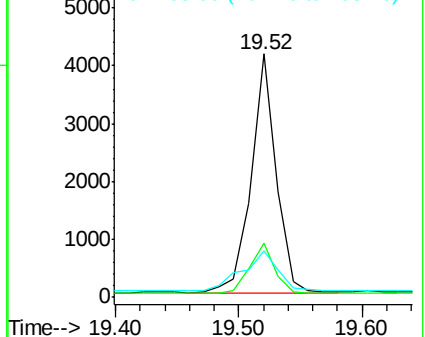
203 19.2 15.6 23.4



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: 0.40 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BM008058.D

Acq: 24 Nov 2016 05:34

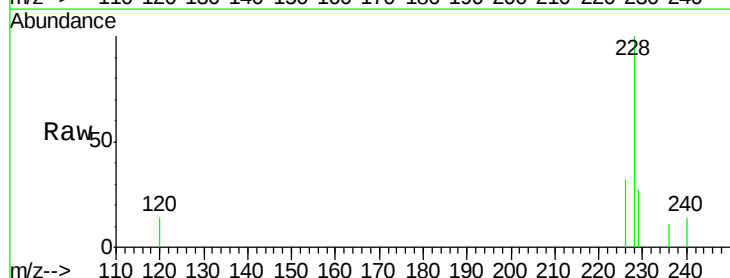
Tgt Ion:228 Resp: 3132

Ion Ratio Lower Upper

228 100

226 32.0 22.8 34.2

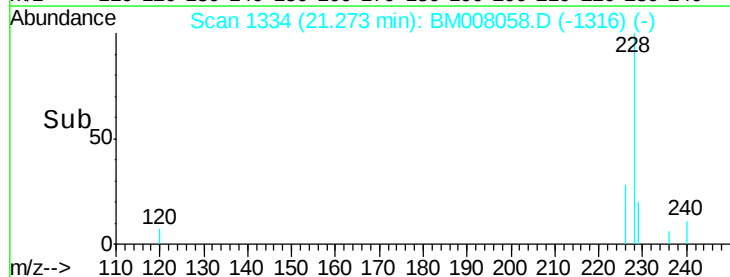
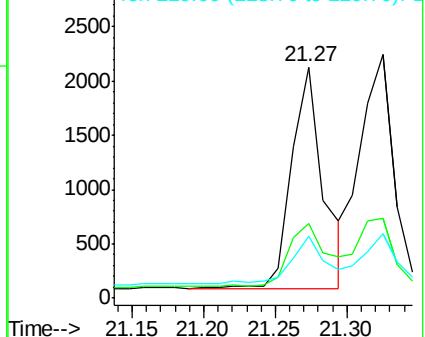
229 26.6 17.0 25.6#

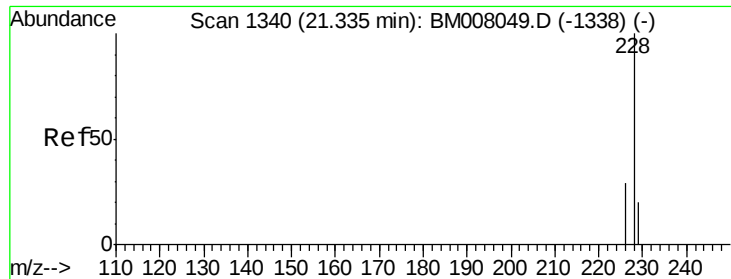


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#19

Chrysene

Concen: 0.36 ng/ul

RT: 21.32 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BM008058.D

Acq: 24 Nov 2016 05:34

Instrument :

BNA_M

ClientSampleId :

JHSS8

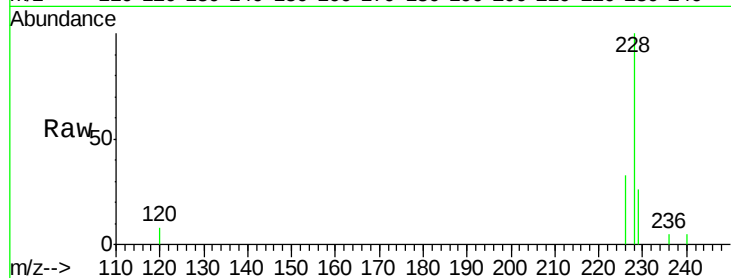
Tgt Ion:228 Resp: 3528

Ion Ratio Lower Upper

228 100

226 32.6 23.4 35.0

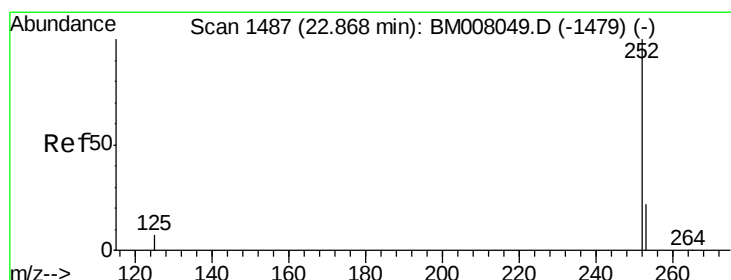
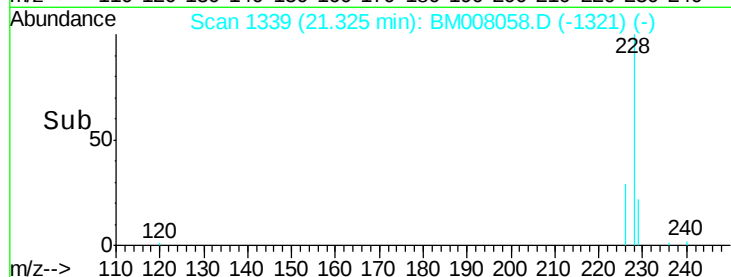
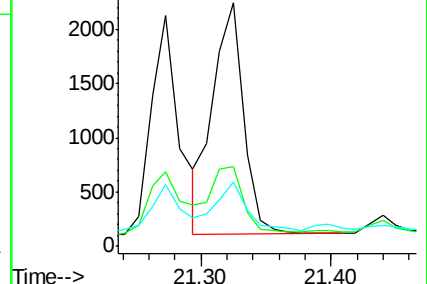
229 26.4 17.7 26.5



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: 0.62 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BM008058.D

Acq: 24 Nov 2016 05:34

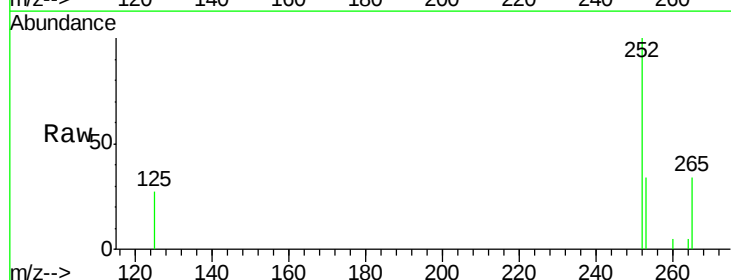
Tgt Ion:252 Resp: 6440

Ion Ratio Lower Upper

252 100

253 34.1 0.0 64.2

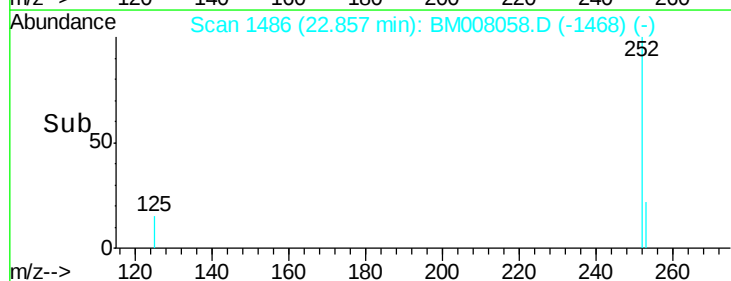
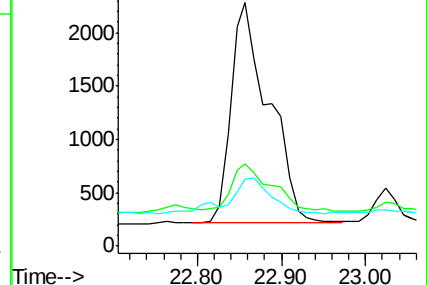
125 27.5 0.0 35.0

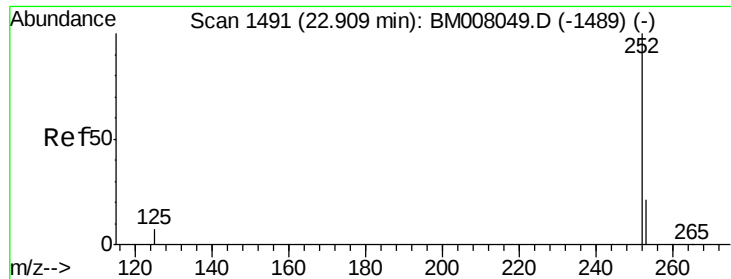


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.60 ng/u1

RT: 22.86 min Scan# 1486

Delta R.T. -0.05 min

Lab File: BM008058.D

Acq: 24 Nov 2016 05:34

Instrument :

BNA_M

ClientSampleId :

JHSS8

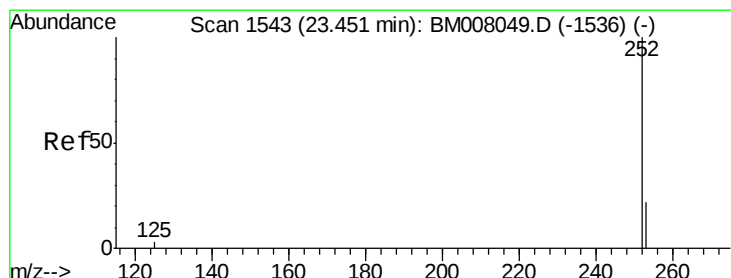
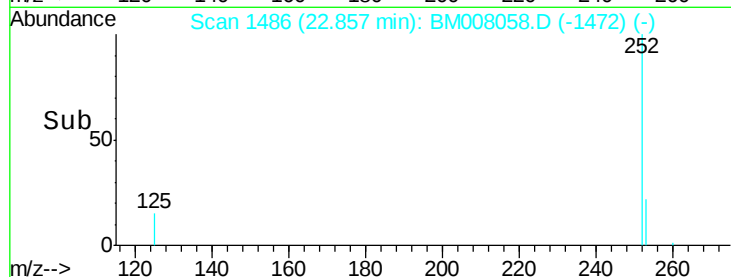
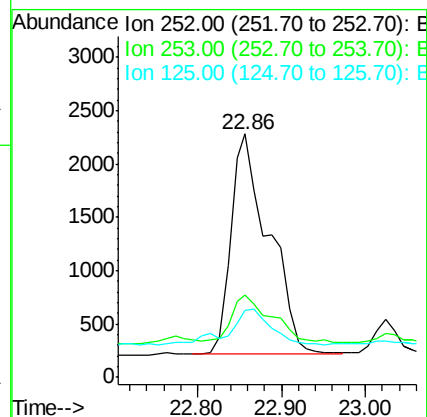
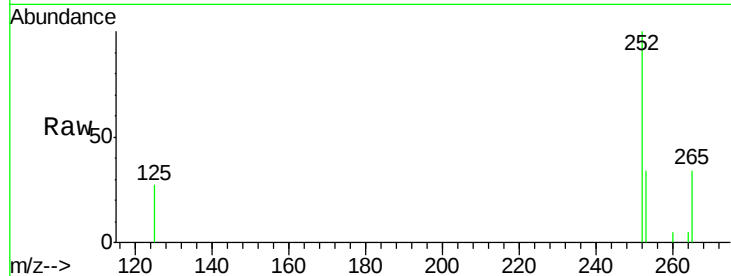
Tgt Ion:252 Resp: 6440

Ion Ratio Lower Upper

252 100

253 34.1 24.5 36.7

125 27.5 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 0.34 ng/u1

RT: 23.42 min Scan# 1540

Delta R.T. -0.03 min

Lab File: BM008058.D

Acq: 24 Nov 2016 05:34

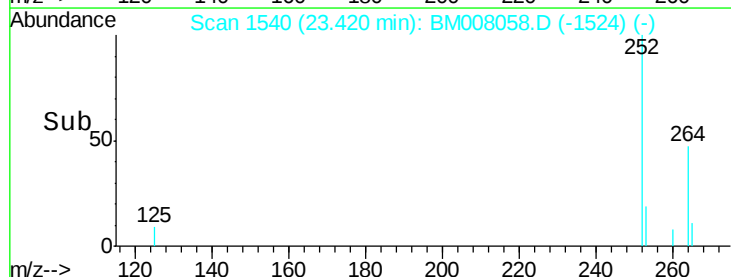
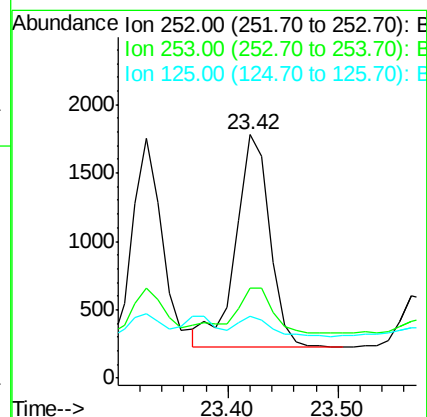
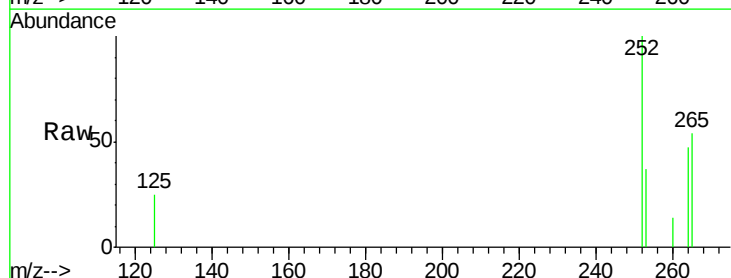
Tgt Ion:252 Resp: 3340

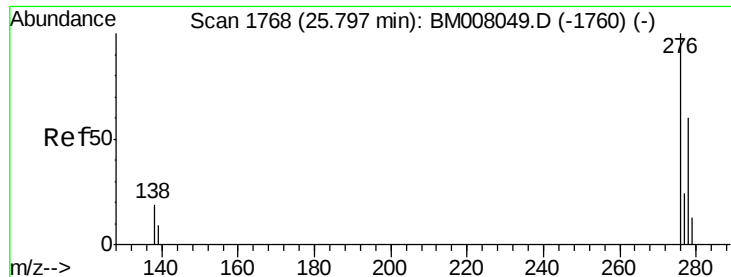
Ion Ratio Lower Upper

252 100

253 36.7 28.5 42.7

125 25.3 18.1 27.1





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.21 ng/ul

RT: 25.78 min Scan# 1766

Delta R.T. -0.02 min

Lab File: BM008058.D

Acq: 24 Nov 2016 05:34

Instrument :

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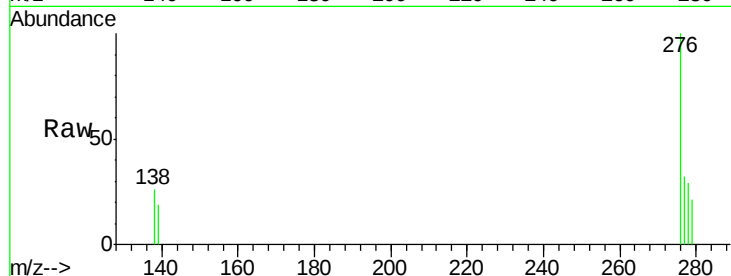
Tgt Ion: 276 Resp: 2540

Ion Ratio Lower Upper

276 100

138 18.4 19.1 28.7#

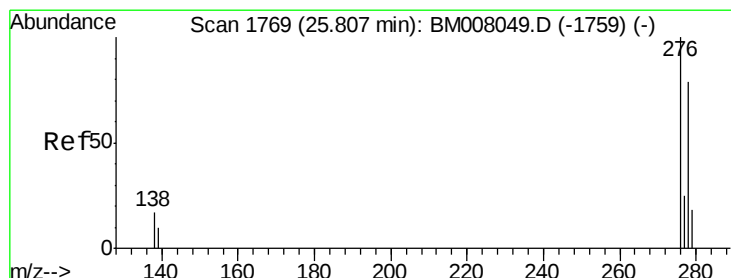
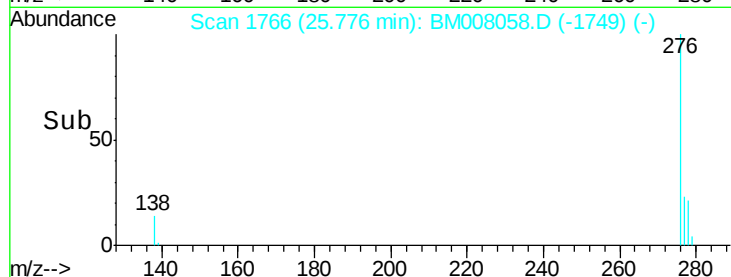
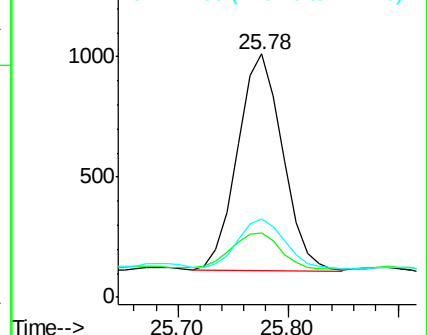
277 24.6 19.6 29.4



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: 0.07 ng/ul

RT: 25.78 min Scan# 1766

Delta R.T. -0.03 min

Lab File: BM008058.D

Acq: 24 Nov 2016 05:34

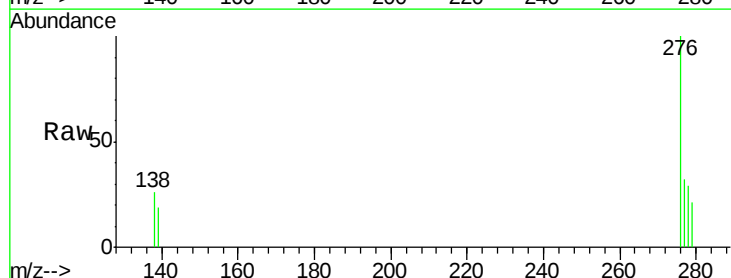
Tgt Ion: 278 Resp: 674

Ion Ratio Lower Upper

278 100

139 66.0 17.4 26.0#

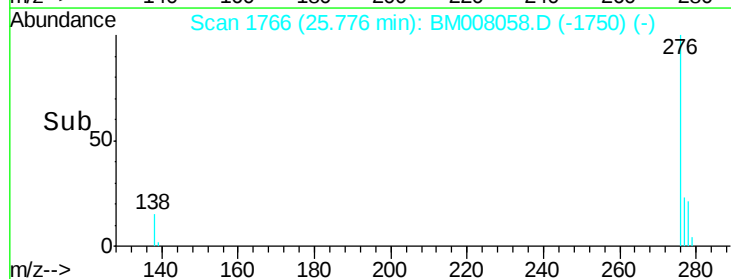
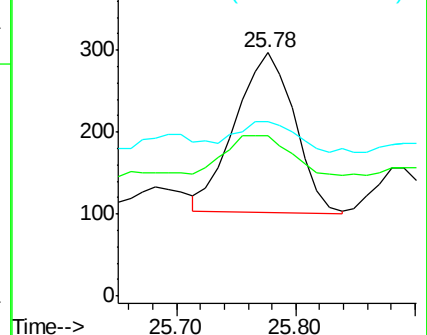
279 71.7 25.9 38.9#

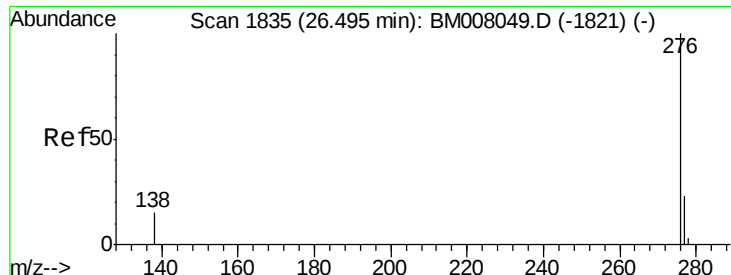


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.25 ng/ul

RT: 26.46 min Scan# 1832

Delta R.T. -0.03 min

Lab File: BM008058.D

Acq: 24 Nov 2016 05:34

Instrument :

BNA_M

ClientSampleId :

JHSS8

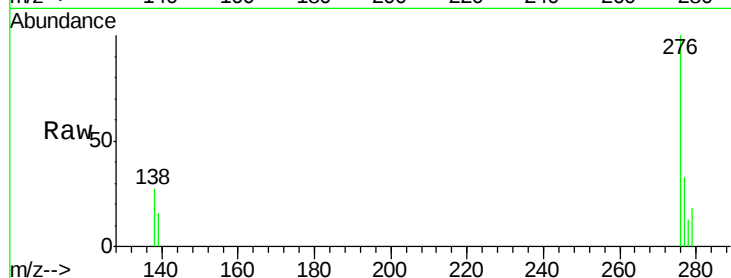
Tgt Ion: 276 Resp: 2668

Ion Ratio Lower Upper

276 100

277 33.5 21.8 32.8#

138 26.8 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

