

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008057.D
 Acq On : 24 Nov 2016 04:59
 Operator : UM/SJ
 Sample : H5694-20
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSS7

Quant Time: Nov 24 06:20:01 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	7.71	152	714	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.49	136	2489	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1518	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.19	188	97258	0.40	ng/ul	0.09
16) Chrysene-d12	21.29	240	2769	0.40	ng/ul	-0.02
20) Perylene-d12	23.53	264	2817	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.10	152	525	0.15	ng/ul	-0.02
14) Fluoranthene-d10	19.13	212	1167	0.00	ng/ul	-0.02

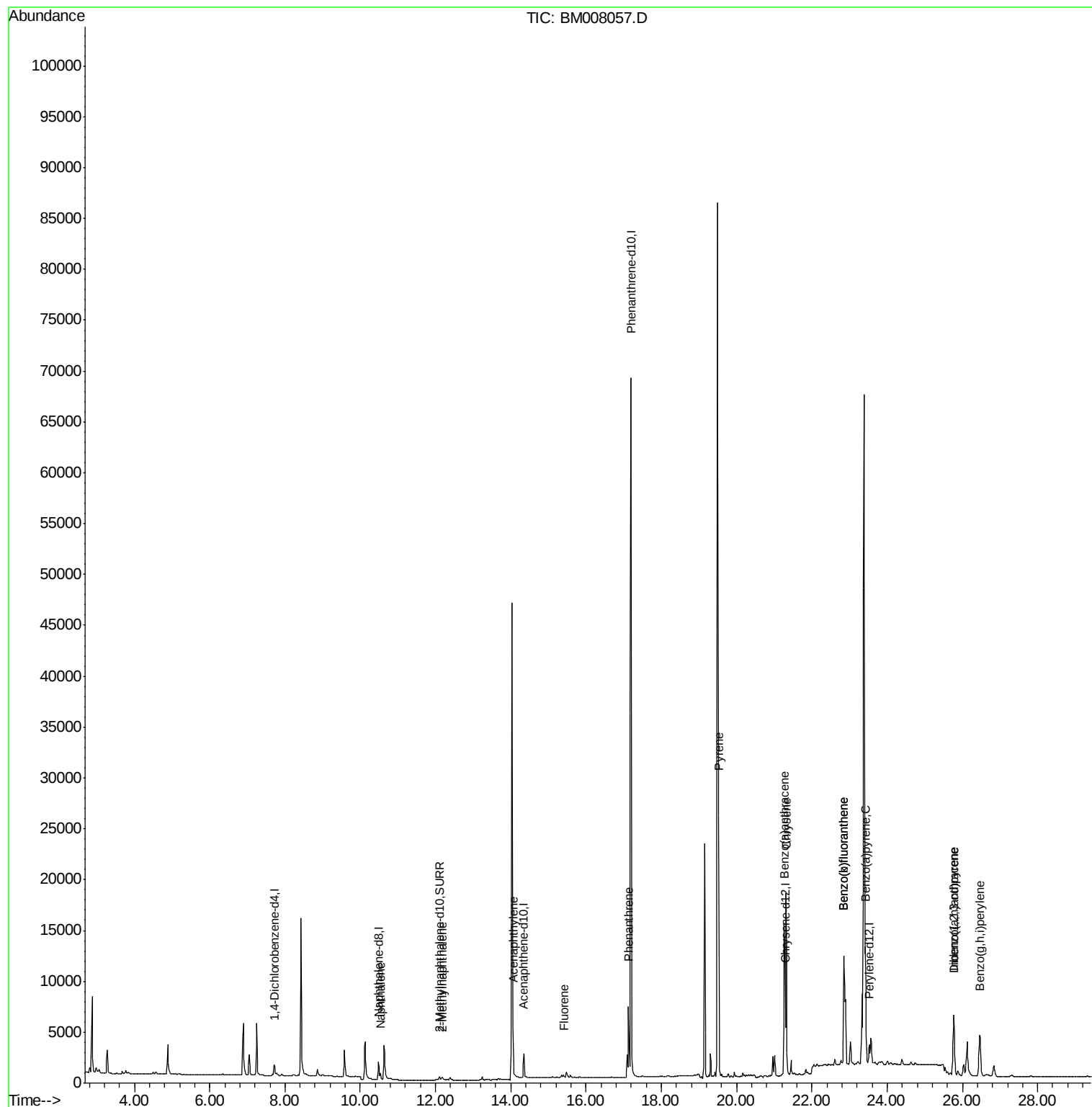
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	826	0.12	ng/ul#	86
5) 2-Methylnaphthalene	12.17	142	267	0.06	ng/ul	99
7) Acenaphthylene	14.06	152	1666	0.24	ng/ul	97
9) Fluorene	15.41	166	243	0.04	ng/ul#	84
12) Phenanthrene	17.12	178	8414	0.03	ng/ul	96
17) Pyrene	19.52	202	28419	2.96	ng/ul	95
18) Benzo(a)anthracene	21.27	228	13735	1.62	ng/ul	96
19) Chrysene	21.32	228	17241	1.63	ng/ul	94
21) Benzo(b)fluoranthene	22.85	252	26464	2.35	ng/ul	87
22) Benzo(k)fluoranthene	22.85	252	26464	2.28	ng/ul#	89
23) Benzo(a)pyrene	23.42	252	15754	1.50	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	25.77	276	10454	0.80	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.78	278	2353	0.23	ng/ul#	81
26) Benzo(g,h,i)perylene	26.46	276	9067	0.78	ng/ul#	93

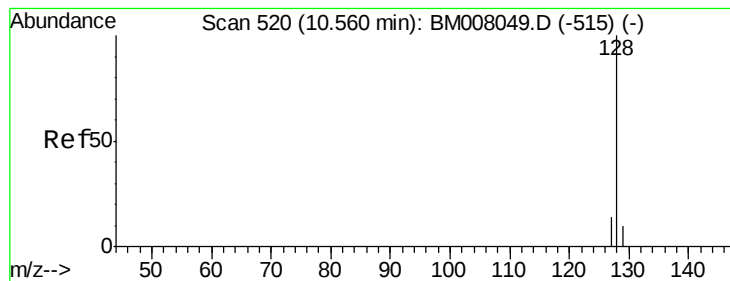
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.12 ng/ul

RT: 10.54 min Scan# 518

Delta R.T. -0.02 min

Lab File: BM008057.D

Acq: 24 Nov 2016 04:59

Instrument :

BNA_M

ClientSampleId :

JHSS7

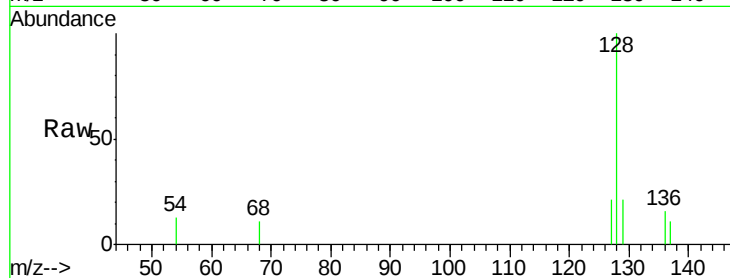
Tgt Ion:128 Resp: 826

Ion Ratio Lower Upper

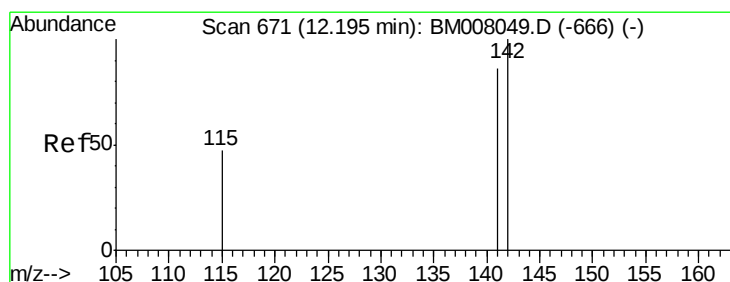
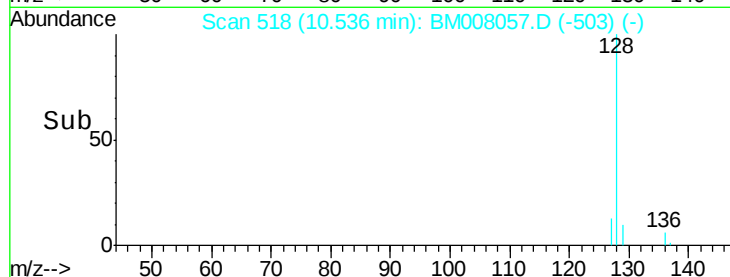
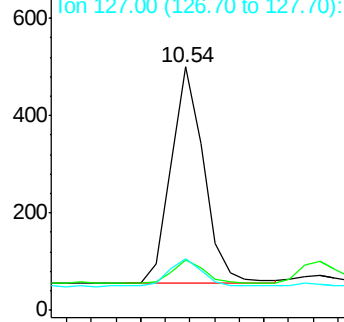
128 100

129 20.6 11.3 16.9#

127 21.2 12.8 19.2#



Abundance Ion 128.00 (127.70 to 128.70): E



#5

2-Methylnaphthalene

Concen: 0.06 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. -0.02 min

Lab File: BM008057.D

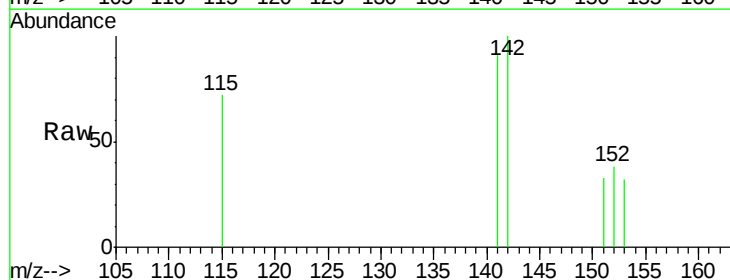
Acq: 24 Nov 2016 04:59

Tgt Ion:142 Resp: 267

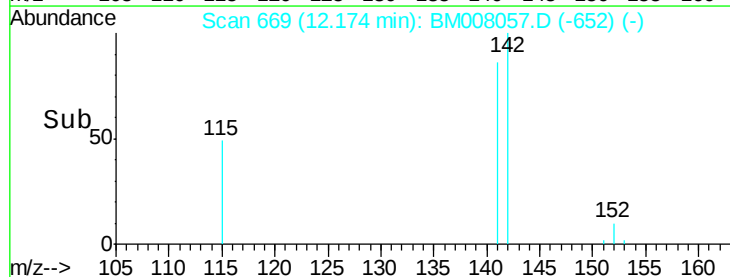
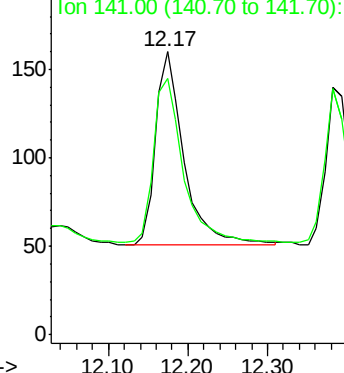
Ion Ratio Lower Upper

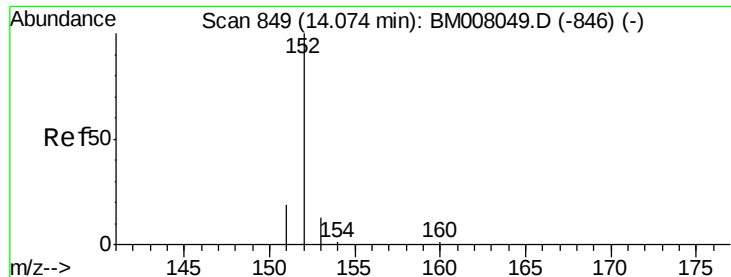
142 100

141 89.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E





#7

Acenaphthylene

Concen: 0.24 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.02 min

Lab File: BM008057.D

Acq: 24 Nov 2016 04:59

Instrument :

BNA_M

ClientSampleId :

JHSS7

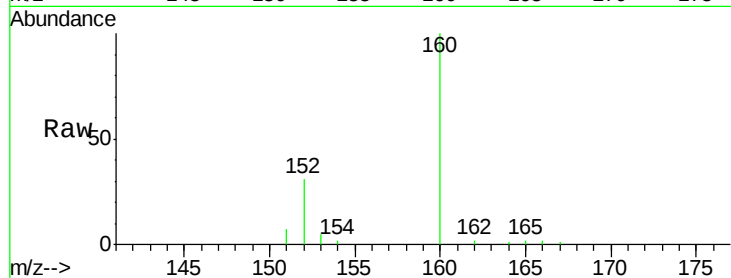
Tgt Ion:152 Resp: 1666

Ion Ratio Lower Upper

152 100

151 23.2 17.1 25.7

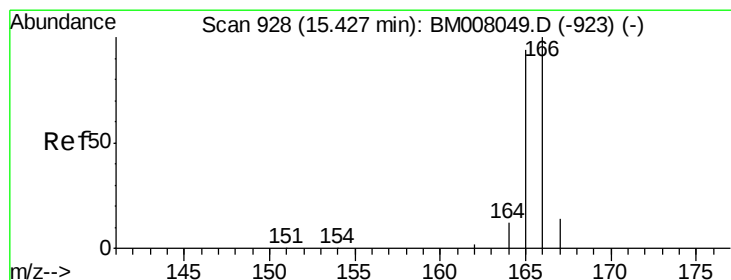
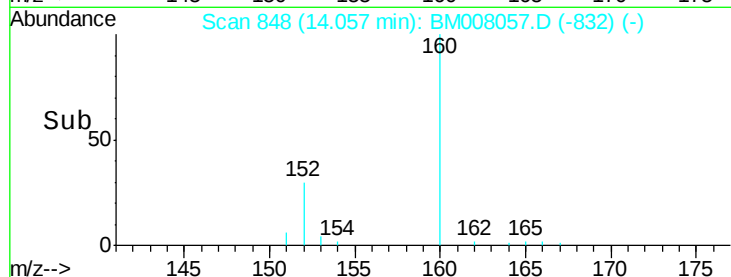
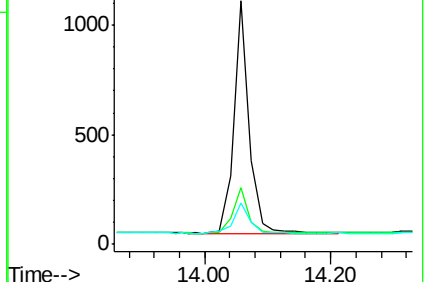
153 17.0 12.8 19.2



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



#9

Fluorene

Concen: 0.04 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.02 min

Lab File: BM008057.D

Acq: 24 Nov 2016 04:59

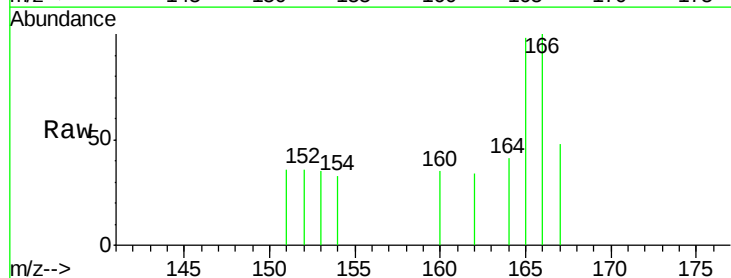
Tgt Ion:166 Resp: 243

Ion Ratio Lower Upper

166 100

165 98.0 73.4 110.2

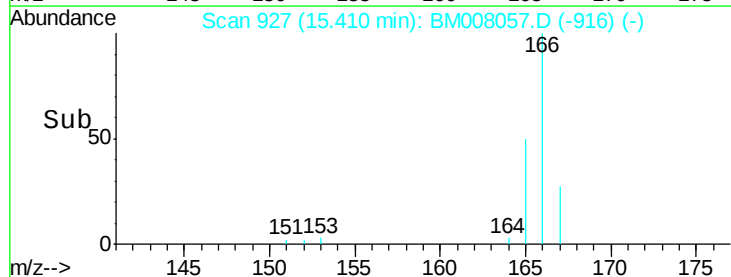
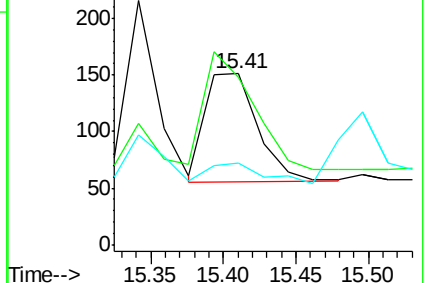
167 47.7 14.6 22.0#

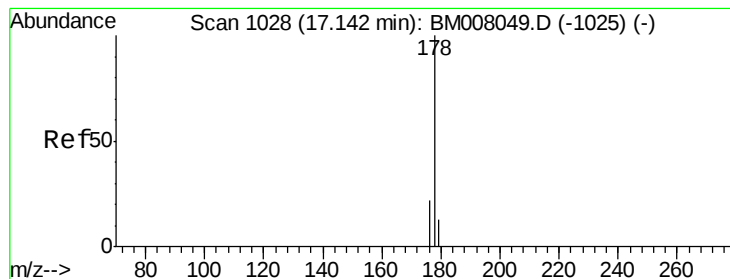


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.03 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BM008057.D

Acq: 24 Nov 2016 04:59

Instrument :

BNA_M

ClientSampleId :

JHSS7

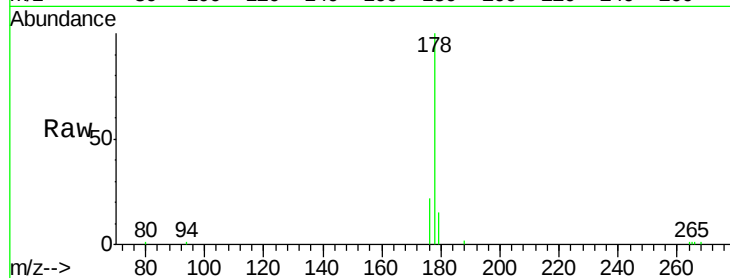
Tgt Ion:178 Resp: 8414

Ion Ratio Lower Upper

178 100

176 21.7 18.4 27.6

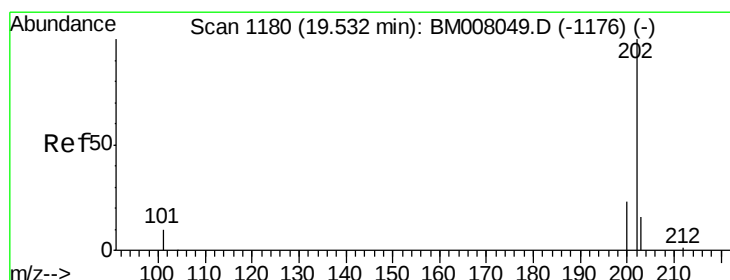
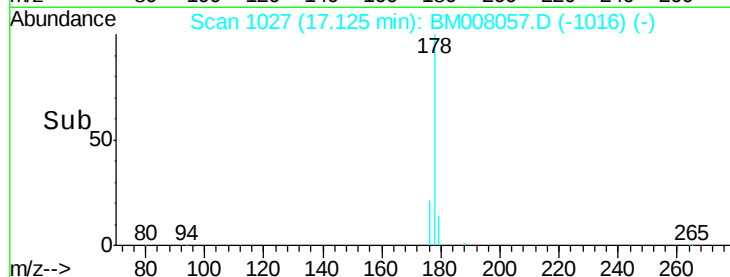
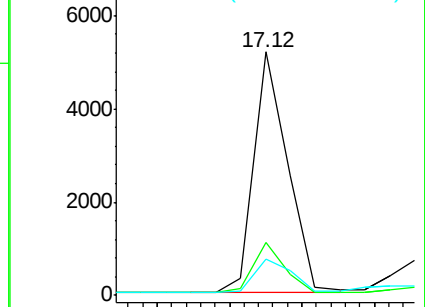
179 15.0 13.6 20.4



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



#17

Pyrene

Concen: 2.96 ng/ul

RT: 19.52 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BM008057.D

Acq: 24 Nov 2016 04:59

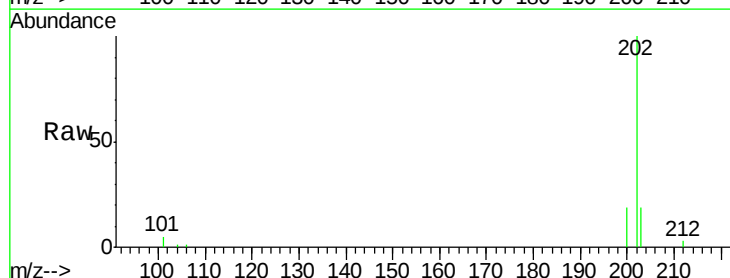
Tgt Ion:202 Resp: 28419

Ion Ratio Lower Upper

202 100

200 18.8 18.2 27.4

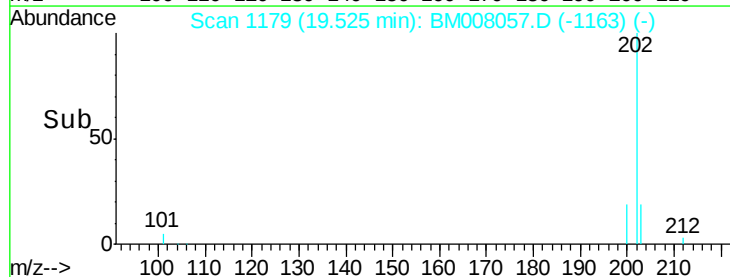
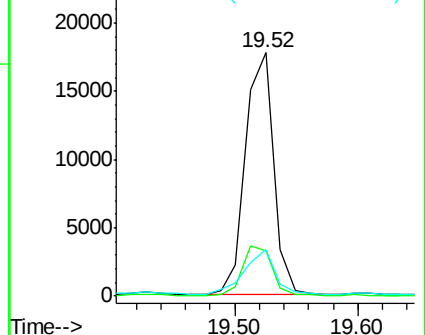
203 19.2 15.6 23.4

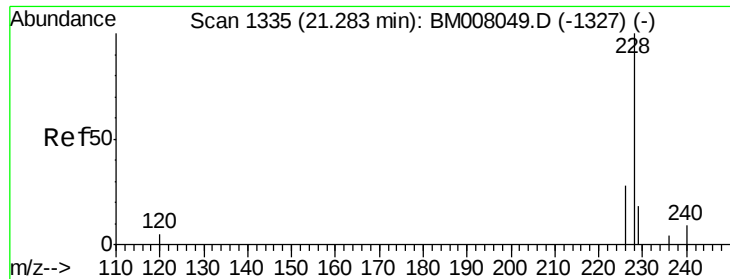


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 1.62 ng/ul

RT: 21.27 min Scan# 1333

Delta R.T. -0.02 min

Lab File: BM008057.D

Acq: 24 Nov 2016 04:59

Instrument :

BNA_M

ClientSampleId :

JHSS7

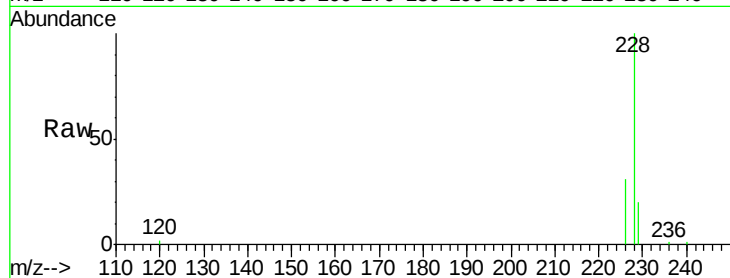
Tgt Ion:228 Resp: 13735

Ion Ratio Lower Upper

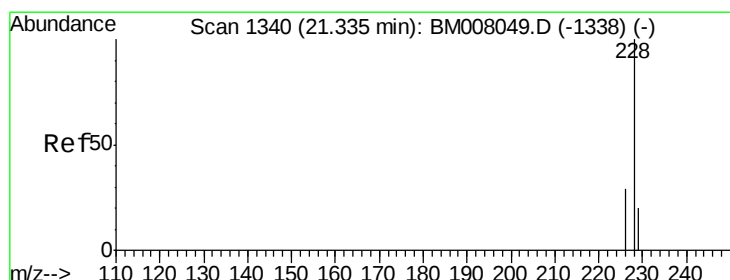
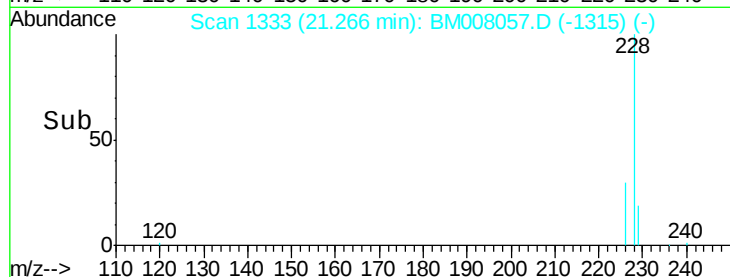
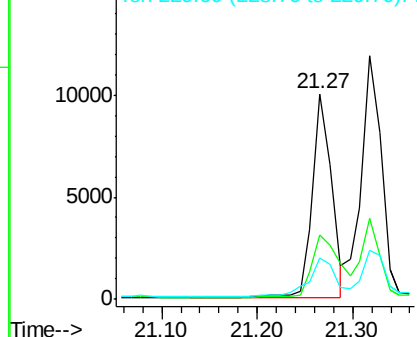
228 100

226 31.5 22.8 34.2

229 20.4 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: 1.63 ng/ul

RT: 21.32 min Scan# 1338

Delta R.T. -0.02 min

Lab File: BM008057.D

Acq: 24 Nov 2016 04:59

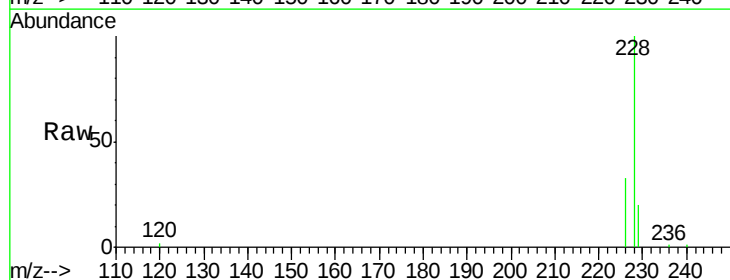
Tgt Ion:228 Resp: 17241

Ion Ratio Lower Upper

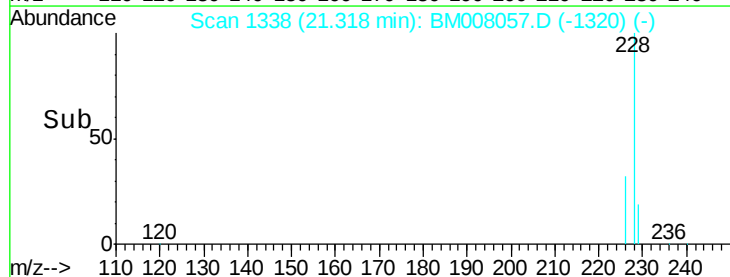
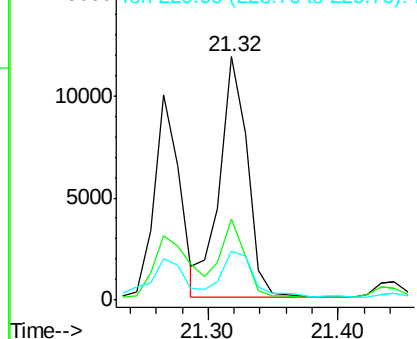
228 100

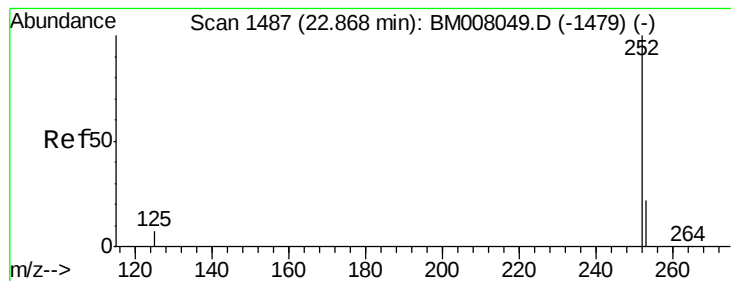
226 33.1 23.4 35.0

229 20.1 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: 2.35 ng/u1

RT: 22.85 min Scan# 1485

Delta R.T. -0.02 min

Lab File: BM008057.D

Acq: 24 Nov 2016 04:59

Instrument :

BNA_M

ClientSampleId :

JHSS7

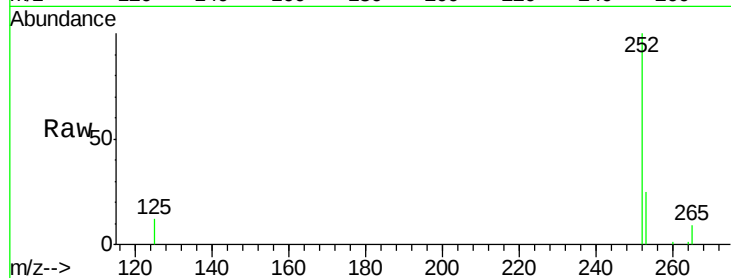
Tgt Ion:252 Resp: 26464

Ion Ratio Lower Upper

252 100

253 24.6 0.0 64.2

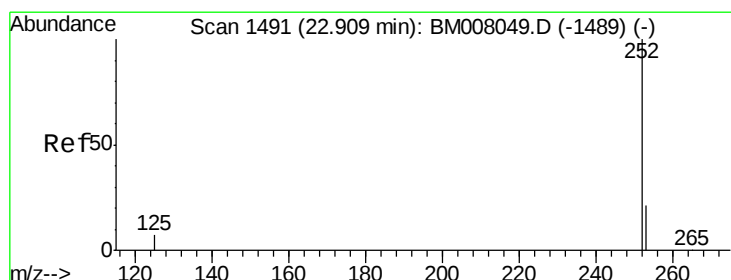
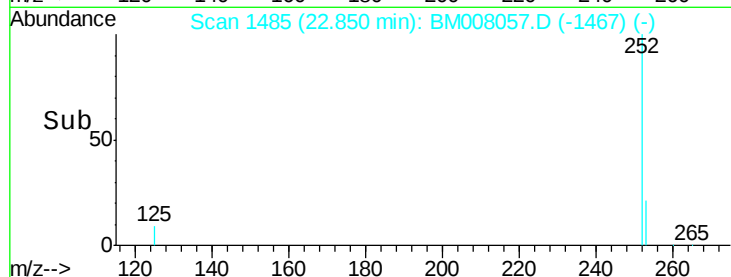
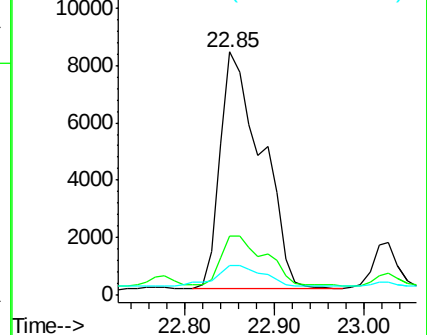
125 12.3 0.0 35.0



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: 2.28 ng/u1

RT: 22.85 min Scan# 1485

Delta R.T. -0.06 min

Lab File: BM008057.D

Acq: 24 Nov 2016 04:59

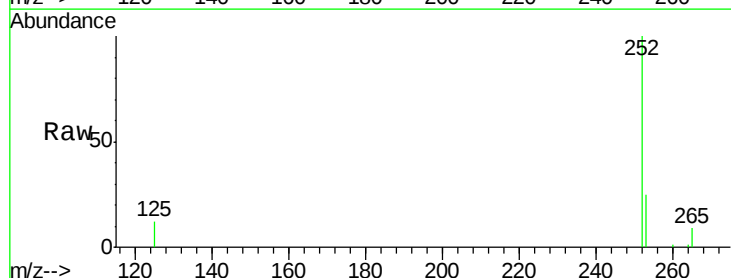
Tgt Ion:252 Resp: 26464

Ion Ratio Lower Upper

252 100

253 24.6 24.5 36.7

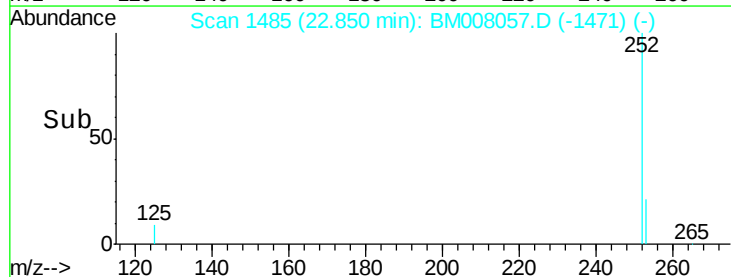
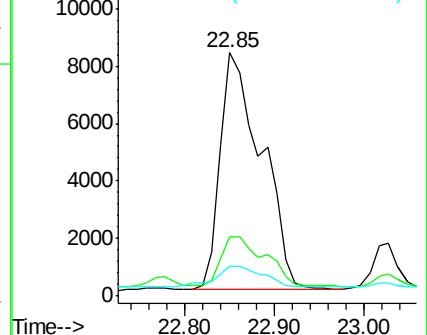
125 12.3 13.7 20.5#

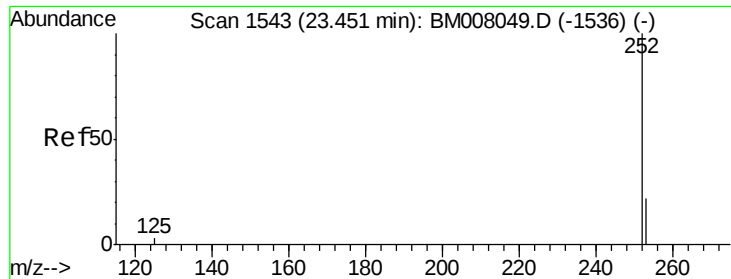


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.50 ng/ul

RT: 23.42 min Scan# 1540

Delta R.T. -0.03 min

Lab File: BM008057.D

Acq: 24 Nov 2016 04:59

Instrument :

BNA_M

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JHSS7

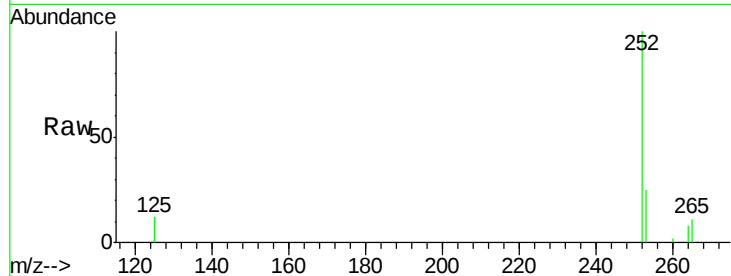
Tgt Ion:252 Resp: 15754

Ion Ratio Lower Upper

252 100

253 25.4 28.5 42.7#

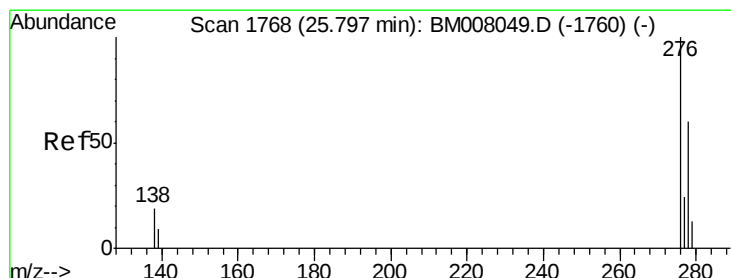
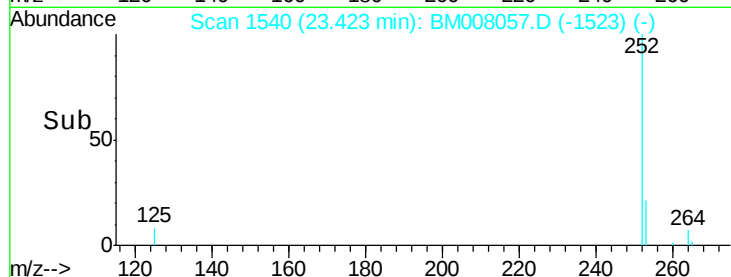
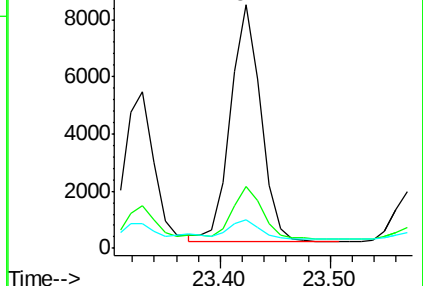
125 11.9 18.1 27.1#



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: 0.80 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. -0.03 min

Lab File: BM008057.D

Acq: 24 Nov 2016 04:59

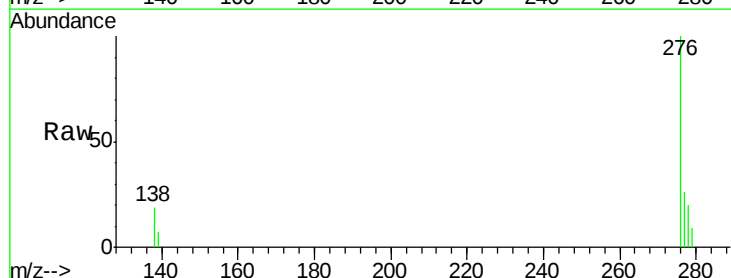
Tgt Ion:276 Resp: 10454

Ion Ratio Lower Upper

276 100

138 16.3 19.1 28.7#

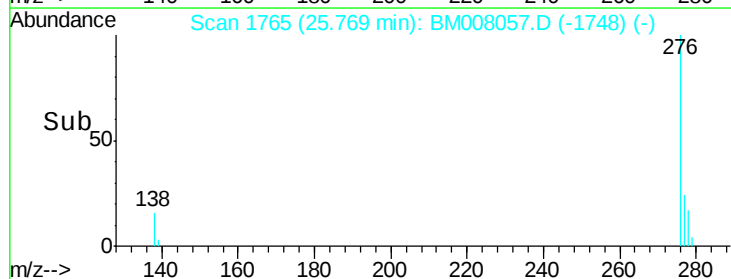
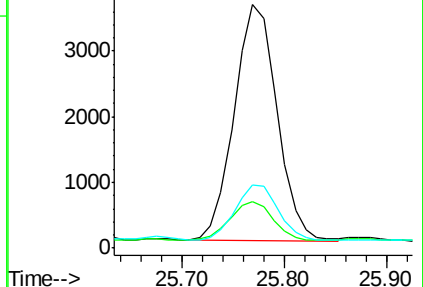
277 23.9 19.6 29.4

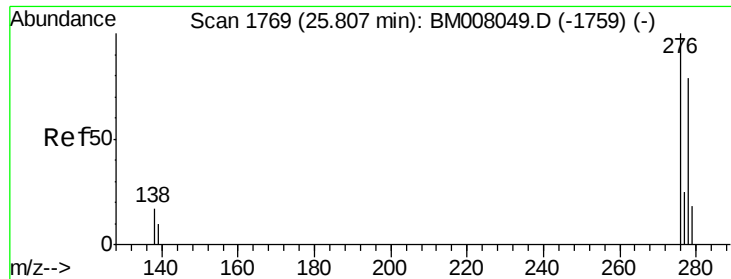


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.23 ng/ul

RT: 25.78 min Scan# 1766

Delta R.T. -0.03 min

Lab File: BM008057.D

Acq: 24 Nov 2016 04:59

Instrument :

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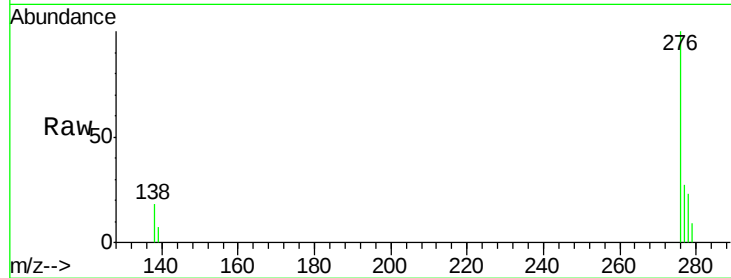
Tgt Ion: 278 Resp: 2353

Ion Ratio Lower Upper

278 100

139 32.6 17.4 26.0#

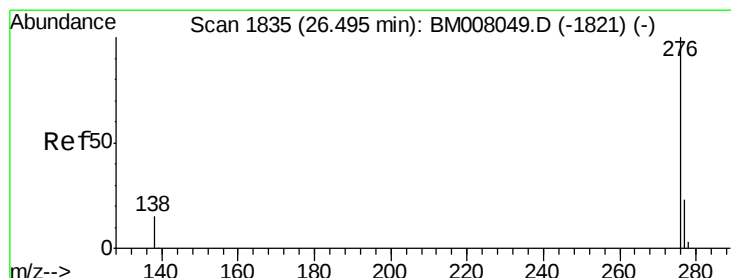
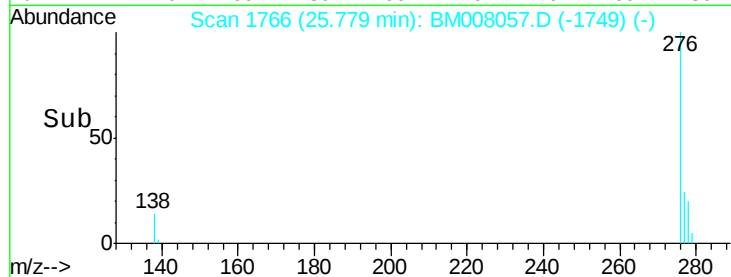
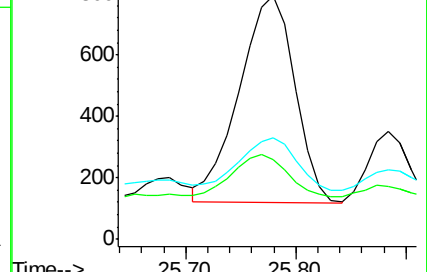
279 41.7 25.9 38.9#



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: 0.78 ng/ul

RT: 26.46 min Scan# 1831

Delta R.T. -0.04 min

Lab File: BM008057.D

Acq: 24 Nov 2016 04:59

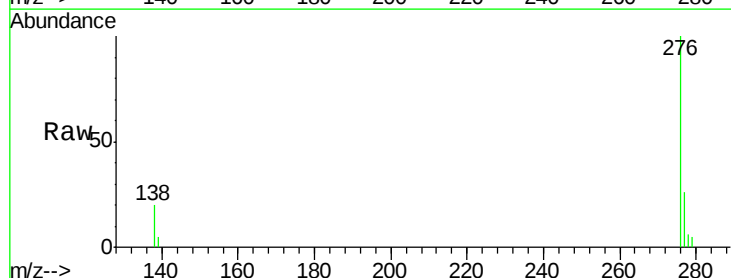
Tgt Ion: 276 Resp: 9067

Ion Ratio Lower Upper

276 100

277 25.9 21.8 32.8

138 19.7 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

