

Data Path : Z:\HPCHEM1\BNA_M\Data\BM090215\
 Data File : BM002640.D
 Acq On : 02 Sep 2015 12:28
 Operator : UM/IZ
 Sample : G3456-21DL2 25X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9EA6DL2

Quant Time: Sep 02 17:25:12 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 02 17:21:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	82347	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	347689	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	171653	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	345897	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	354078	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	361631	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	12265	0.70	ng/ul	0.00
10) Fluorene-d10	16.34	176	9365	0.76	ng/ul	0.00
14) Anthracene-d10	18.17	188	13598	0.81	ng/ul	0.00
18) Pyrene-d10	20.40	212	13230	0.84	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.62	264	13646	0.72	ng/ul	0.00

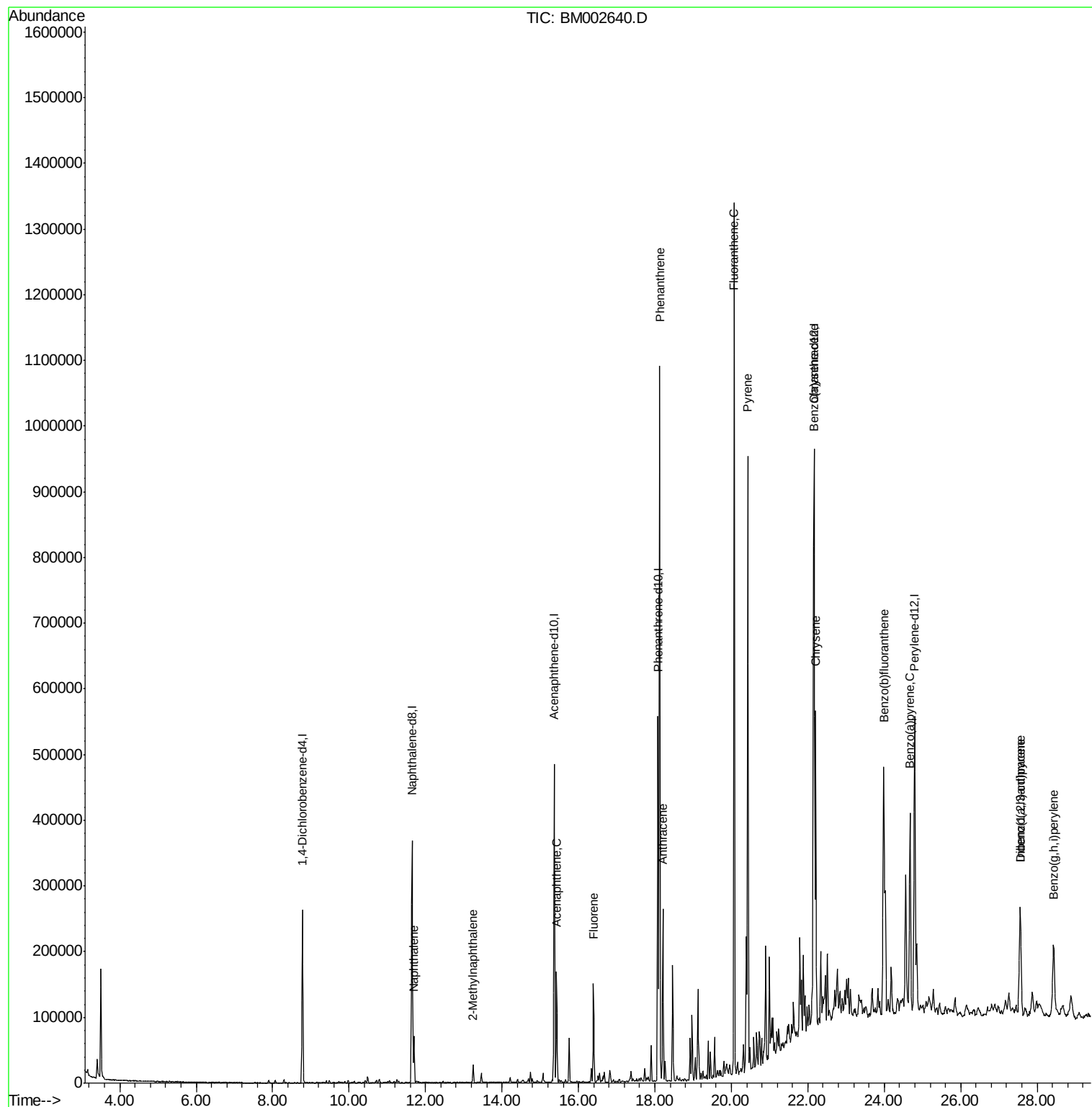
Target Compounds				Qvalue		
3) Naphthalene	11.69	128	67964	3.83	ng/ul	100
4) 2-Methylnaphthalene	13.24	142	15949	1.20	ng/ul	100
9) Acenaphthene	15.43	153	74121	6.13	ng/ul	99
11) Fluorene	16.39	166	73705	5.32	ng/ul	100
13) Phenanthrene	18.12	178	675192	33.80	ng/ul	99
15) Anthracene	18.21	178	171620	8.48	ng/ul	99
16) Fluoranthene	20.07	202	777493	34.38	ng/ul	98
19) Pyrene	20.43	202	560730	27.03	ng/ul	99
20) Benzo(a)anthracene	22.14	228	322662	15.24	ng/ul	98
21) Chrysene	22.20	228	279390	14.11	ng/ul	96
23) Benzo(b)fluoranthene	23.99	252	357299	16.34	ng/ul	99
26) Benzo(a)pyrene	24.68	252	240870	11.53	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.56	276	162825	6.78	ng/ul	95
28) Dibenzo(a,h)anthracene	27.56	278	45199	2.25	ng/ul#	76
29) Benzo(g,h,i)perylene	28.43	276	133800	6.69	ng/ul	97

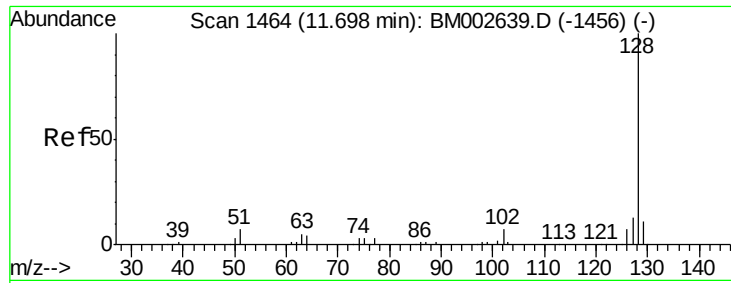
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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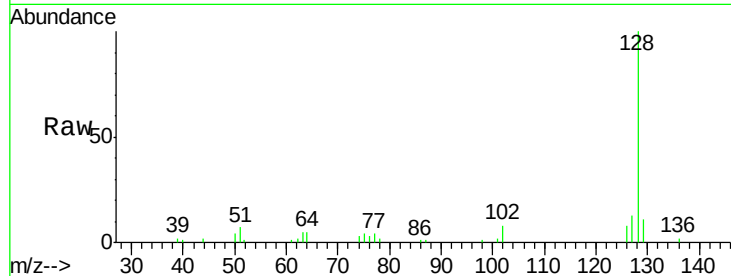




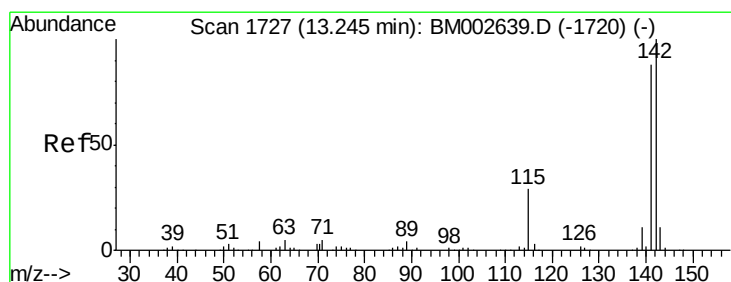
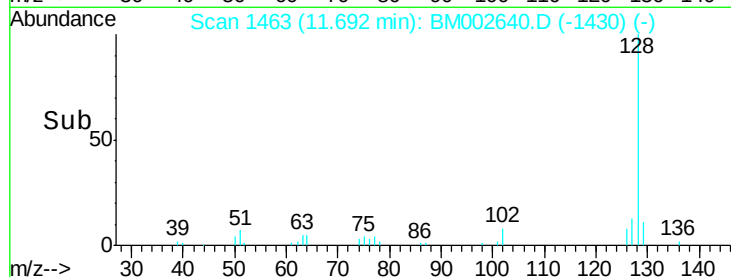
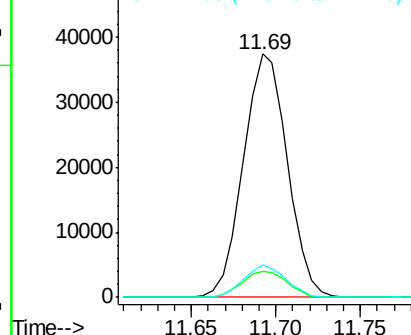
#3
Naphthalene
Concen: 3.83 ng/ul
RT: 11.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BM002640.D
Acq: 02 Sep 2015 12:28

Instrument :
BNA_M
ClientSampleId :
D9EA6DL2

Tgt Ion:128 Resp: 67964
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 13.2 10.4 15.6

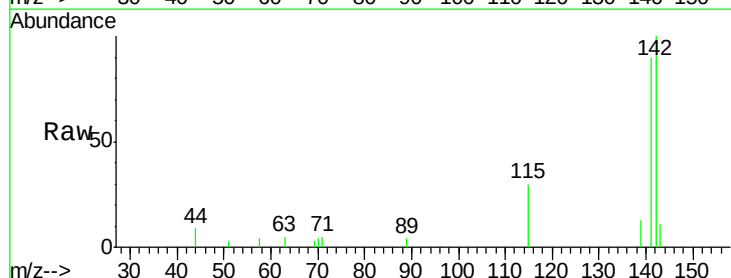


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

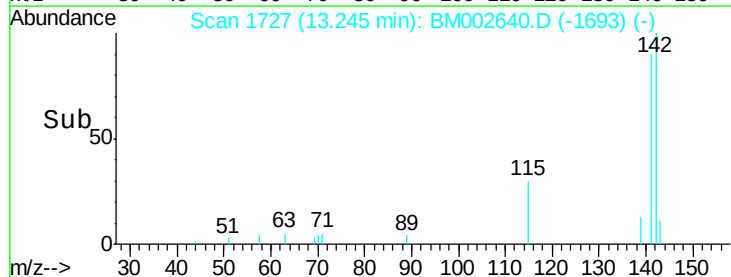
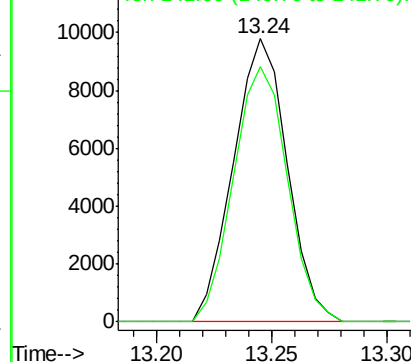


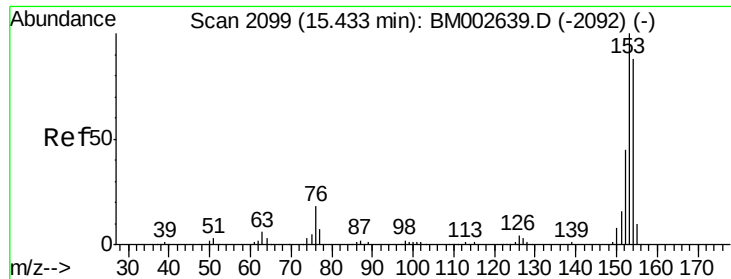
#4
2-Methylnaphthalene
Concen: 1.20 ng/ul
RT: 13.24 min Scan# 1727
Delta R.T. -0.00 min
Lab File: BM002640.D
Acq: 02 Sep 2015 12:28

Tgt Ion:142 Resp: 15949
Ion Ratio Lower Upper
142 100
141 90.4 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthene

Concen: 6.13 ng/ul

RT: 15.43 min Scan# 2098

Delta R.T. -0.01 min

Lab File: BM002640.D

Acq: 02 Sep 2015 12:28

Instrument :

BNA_M

ClientSampleId :

D9EA6DL2

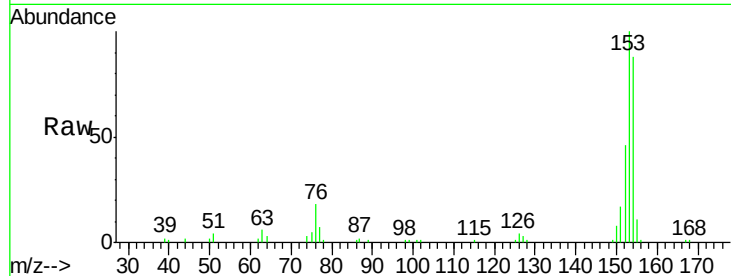
Tgt Ion:153 Resp: 74121

Ion Ratio Lower Upper

153 100

152 46.2 36.9 55.3

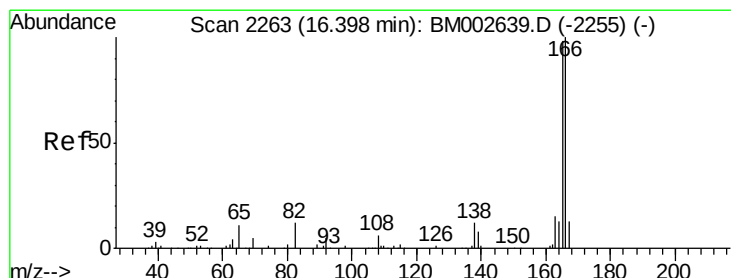
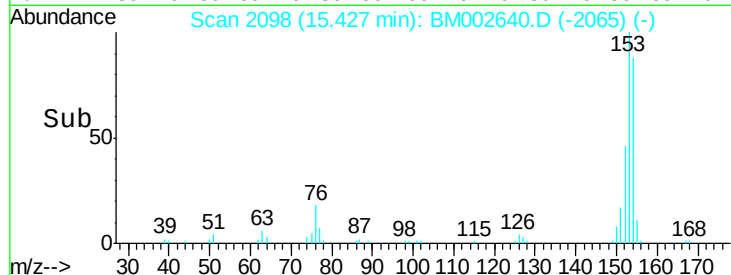
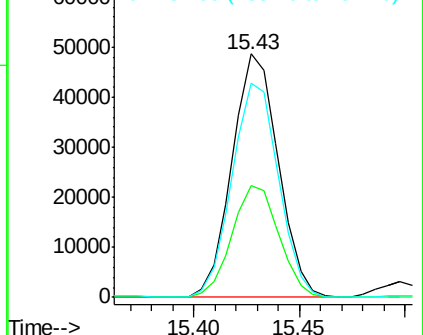
154 88.1 71.3 106.9



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



#11

Fluorene

Concen: 5.32 ng/ul

RT: 16.39 min Scan# 2262

Delta R.T. -0.01 min

Lab File: BM002640.D

Acq: 02 Sep 2015 12:28

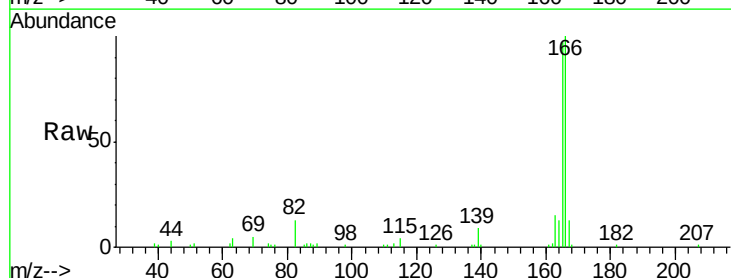
Tgt Ion:166 Resp: 73705

Ion Ratio Lower Upper

166 100

165 97.1 77.6 116.4

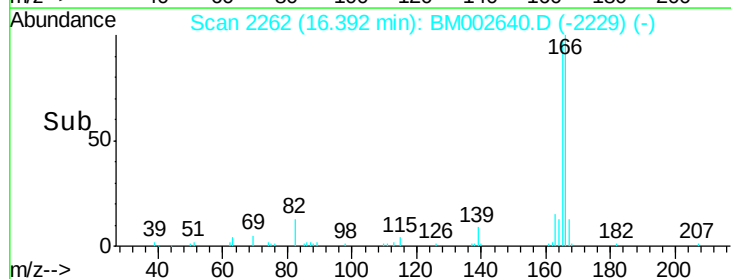
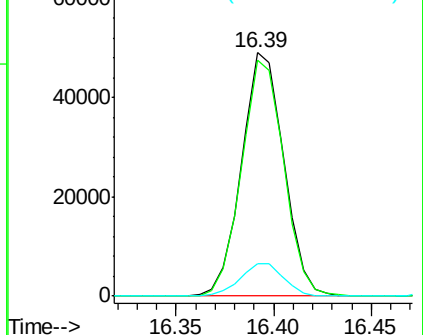
167 13.4 10.7 16.1

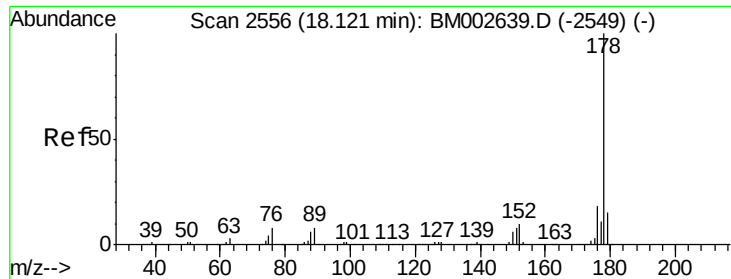


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

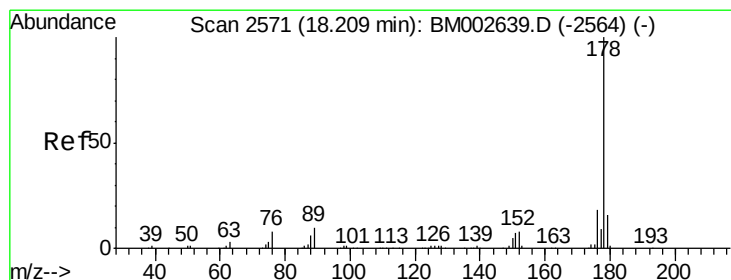
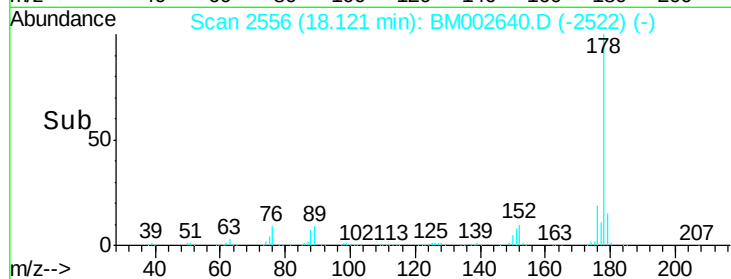
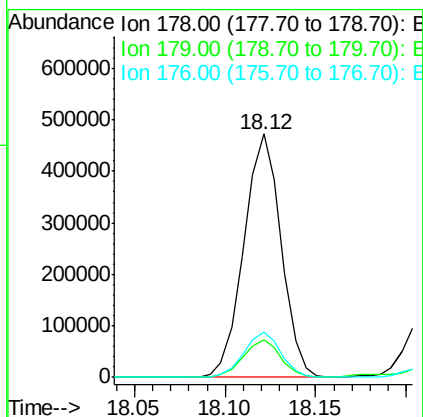
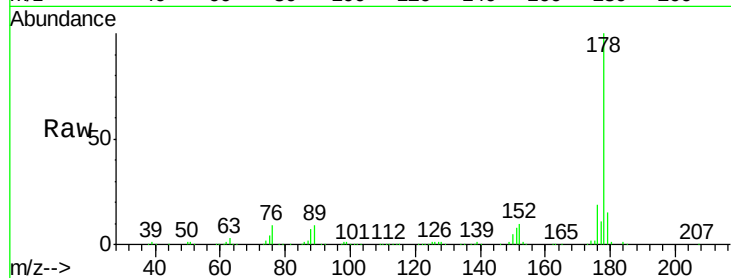




#13
Phenanthrene
Concen: 33.80 ng/ul
RT: 18.12 min Scan# 2556
Delta R.T. -0.00 min
Lab File: BM002640.D
Acq: 02 Sep 2015 12:28

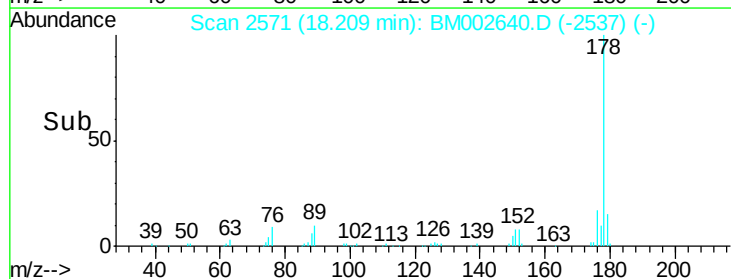
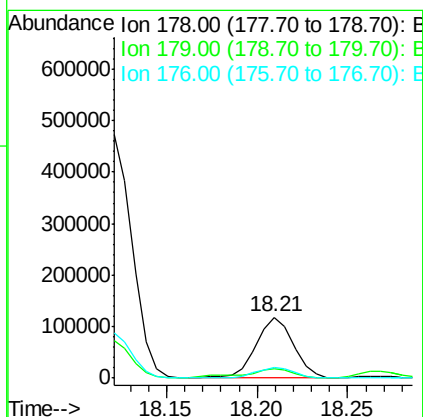
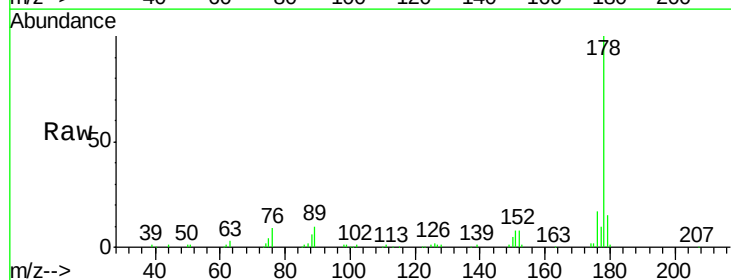
Instrument :
BNA_M
ClientSampleId :
D9EA6DL2

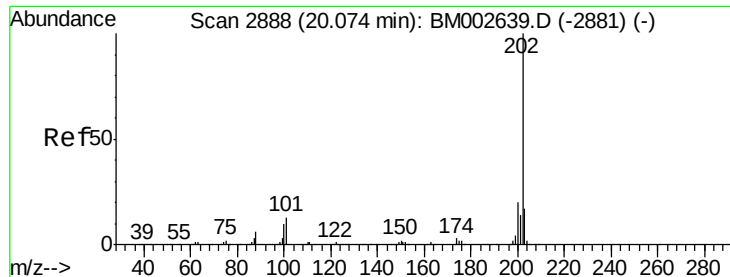
Tgt Ion:178 Resp: 675192
Ion Ratio Lower Upper
178 100
179 15.2 12.4 18.6
176 18.6 15.1 22.7



#15
Anthracene
Concen: 8.48 ng/ul
RT: 18.21 min Scan# 2571
Delta R.T. -0.00 min
Lab File: BM002640.D
Acq: 02 Sep 2015 12:28

Tgt Ion:178 Resp: 171620
Ion Ratio Lower Upper
178 100
179 15.2 12.6 18.8
176 17.3 14.5 21.7

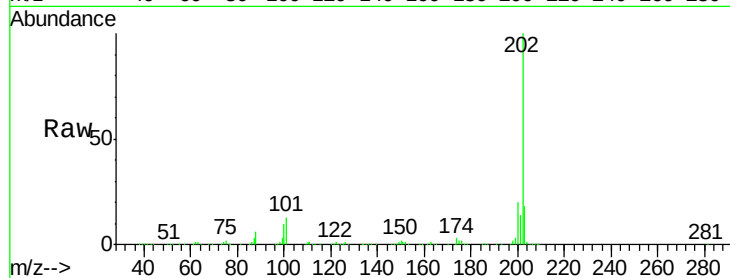




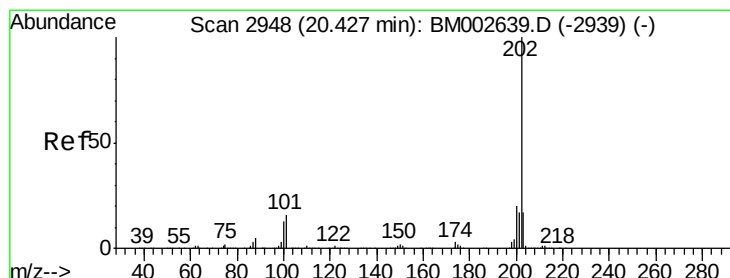
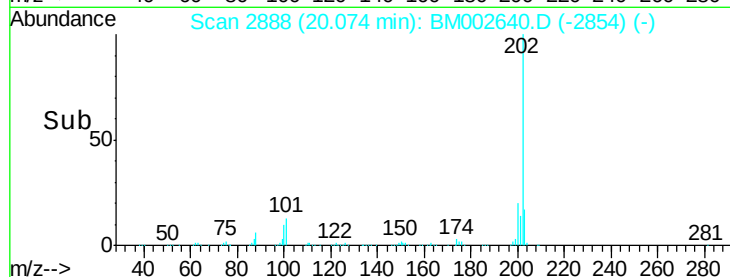
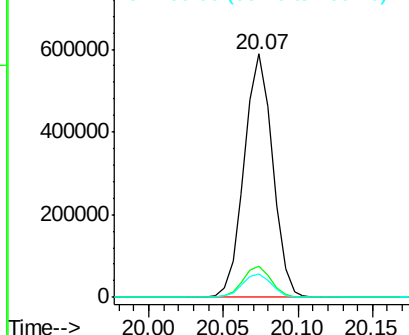
#16
Fluoranthene
 Concen: 34.38 ng/ul
 RT: 20.07 min Scan# 2888
 Delta R.T. -0.00 min
 Lab File: BM002640.D
 Acq: 02 Sep 2015 12:28

Instrument :
 BNA_M
 ClientSampleId :
 D9EA6DL2

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	9.7	14.5
100	9.8	7.4	11.2

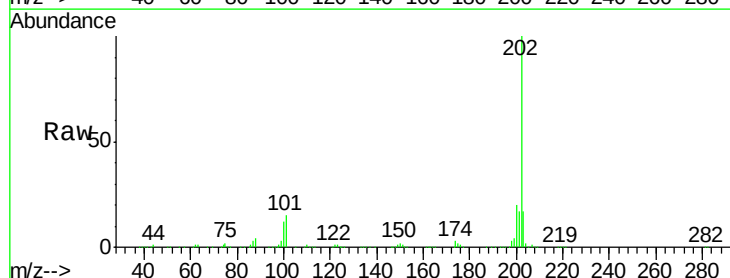


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

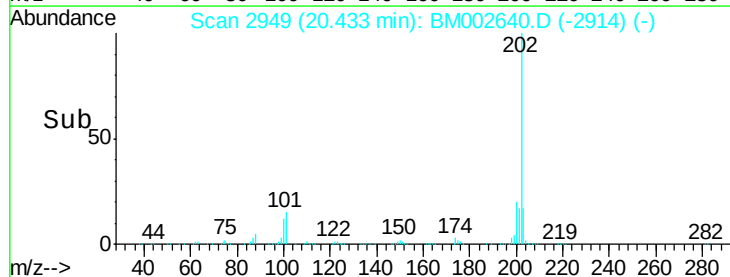
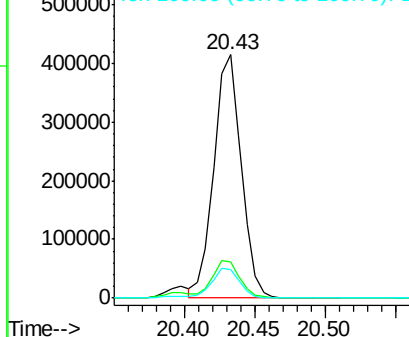


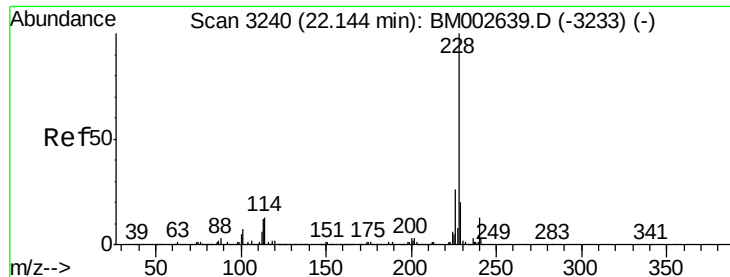
#19
Pyrene
 Concen: 27.03 ng/ul
 RT: 20.43 min Scan# 2949
 Delta R.T. 0.01 min
 Lab File: BM002640.D
 Acq: 02 Sep 2015 12:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.7	12.0	18.0
100	12.0	9.7	14.5



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 15.24 ng/ul

RT: 22.14 min Scan# 3240

Delta R.T. -0.00 min

Lab File: BM002640.D

Acq: 02 Sep 2015 12:28

Instrument :

BNA_M

ClientSampleId :

D9EA6DL2

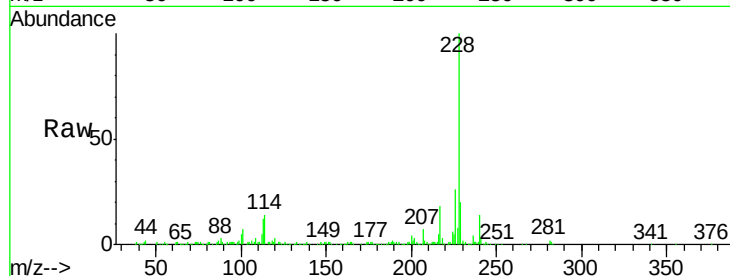
Tgt Ion:228 Resp: 322662

Ion Ratio Lower Upper

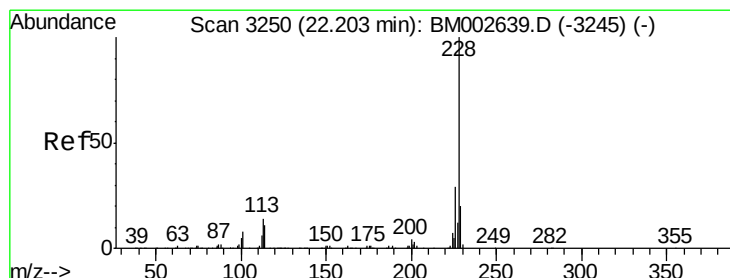
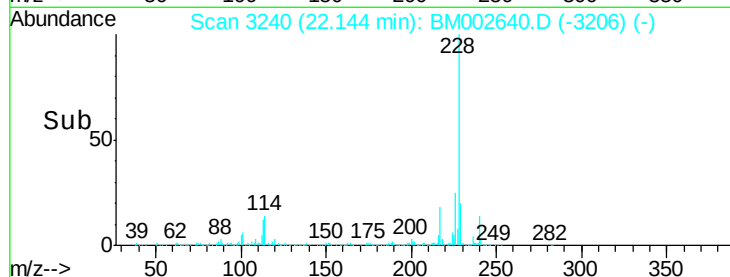
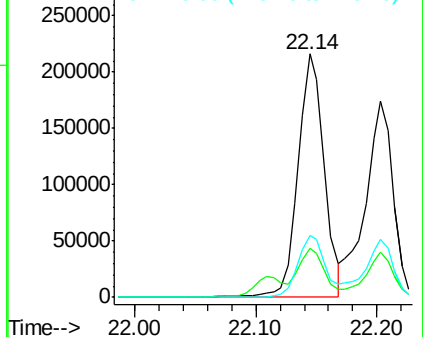
228 100

229 20.3 15.8 23.6

226 25.5 21.1 31.7



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#21

Chrysene

Concen: 14.11 ng/ul

RT: 22.20 min Scan# 3250

Delta R.T. -0.00 min

Lab File: BM002640.D

Acq: 02 Sep 2015 12:28

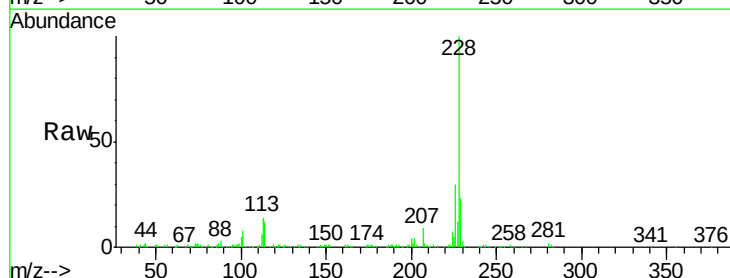
Tgt Ion:228 Resp: 279390

Ion Ratio Lower Upper

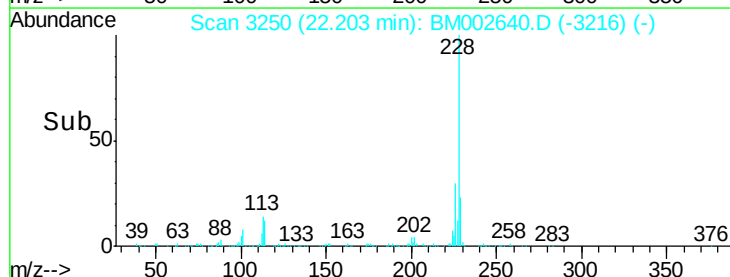
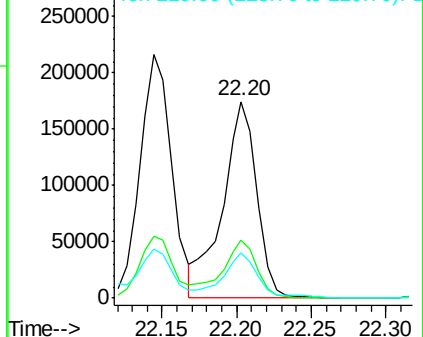
228 100

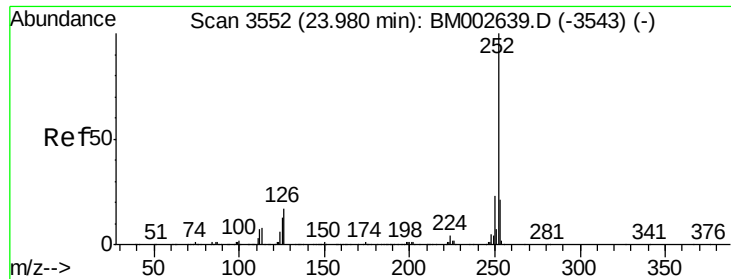
226 29.7 23.4 35.2

229 23.1 15.7 23.5



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





#23

Benzo(b)fluoranthene

Concen: 16.34 ng/ul

RT: 23.99 min Scan# 3553

Delta R.T. 0.01 min

Lab File: BM002640.D

Acq: 02 Sep 2015 12:28

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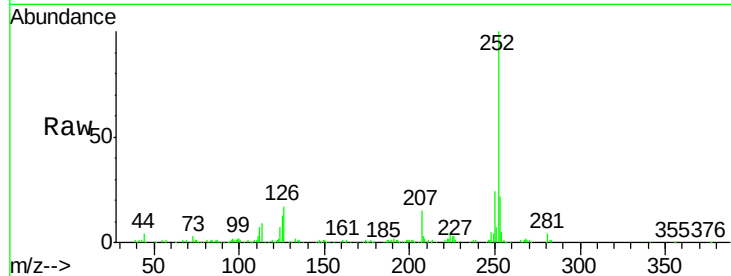
Tgt Ion:252 Resp: 357299

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

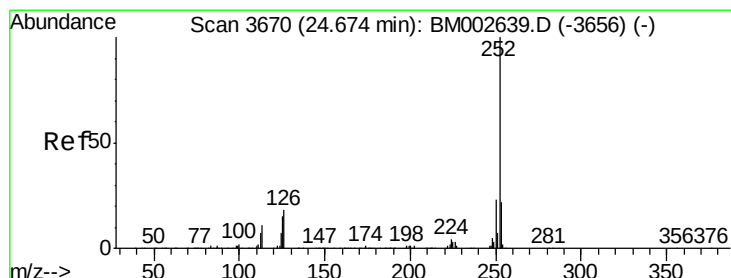
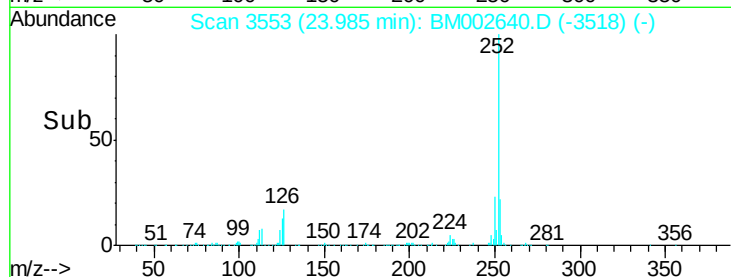
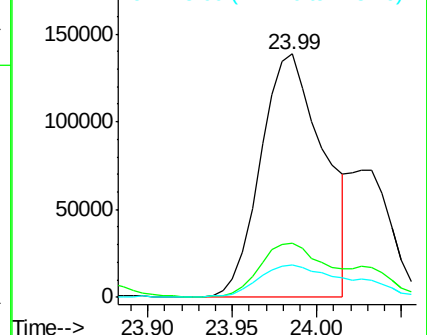
125 13.3 10.0 15.0



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



#26

Benzo(a)pyrene

Concen: 11.53 ng/ul

RT: 24.68 min Scan# 3671

Delta R.T. 0.01 min

Lab File: BM002640.D

Acq: 02 Sep 2015 12:28

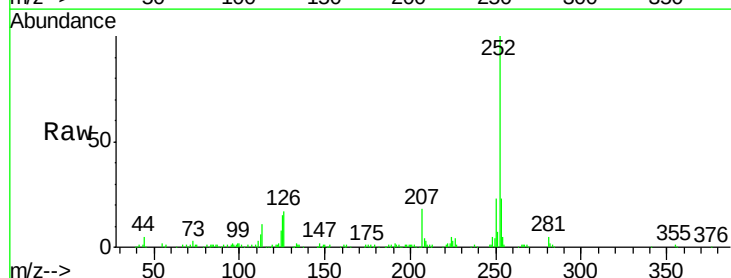
Tgt Ion:252 Resp: 240870

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

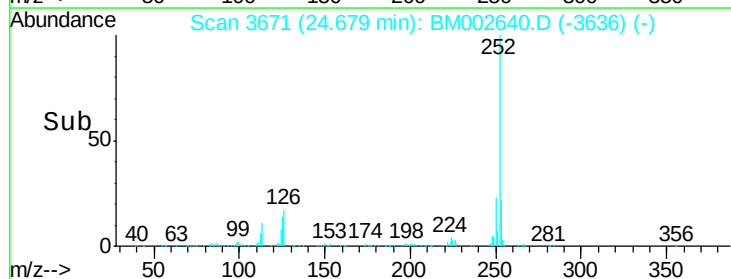
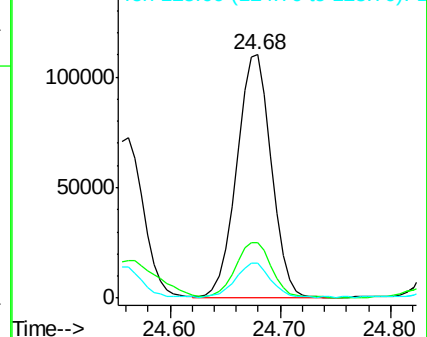
125 14.6 10.7 16.1

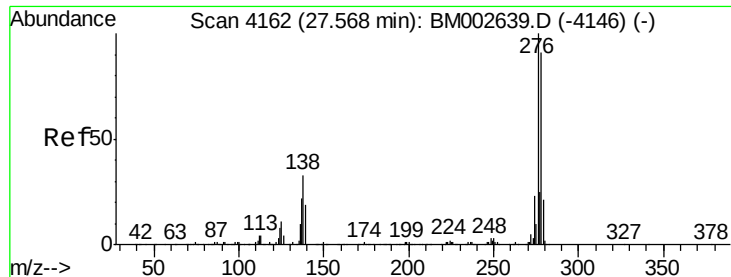


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Indeno(1,2,3-cd)pyrene

Concen: 6.78 ng/ul

RT: 27.56 min Scan# 4161

Delta R.T. -0.01 min

Lab File: BM002640.D

Acq: 02 Sep 2015 12:28

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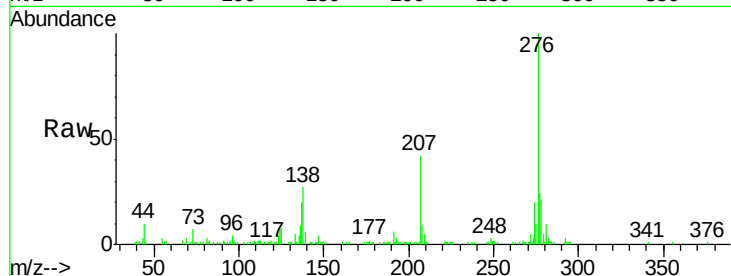
Tgt Ion:276 Resp: 162825

Ion Ratio Lower Upper

276 100

138 27.2 25.3 37.9

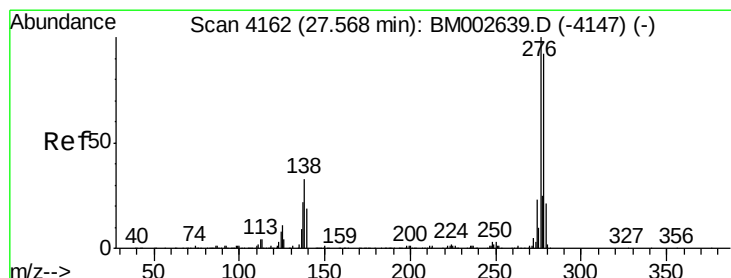
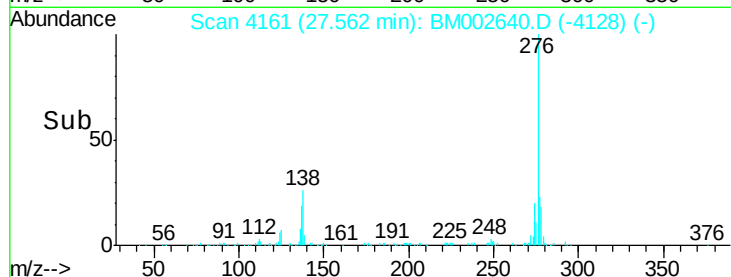
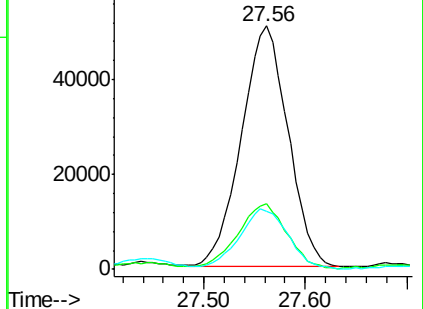
277 24.0 20.2 30.2



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



#28

Dibenzo(a,h)anthracene

Concen: 2.25 ng/ul

RT: 27.56 min Scan# 4160

Delta R.T. -0.01 min

Lab File: BM002640.D

Acq: 02 Sep 2015 12:28

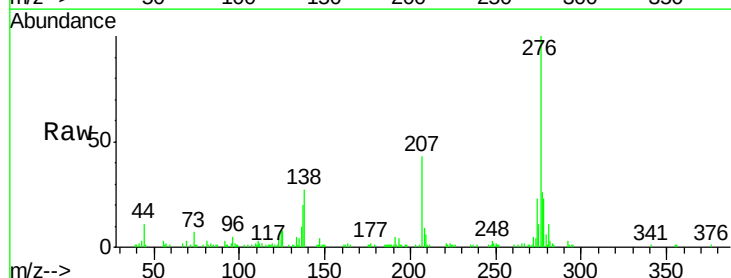
Tgt Ion:278 Resp: 45199

Ion Ratio Lower Upper

278 100

139 0.0 16.5 24.7#

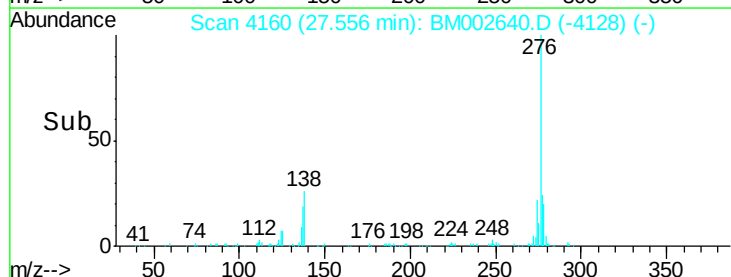
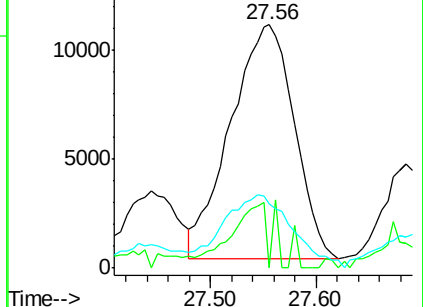
279 26.2 18.8 28.2

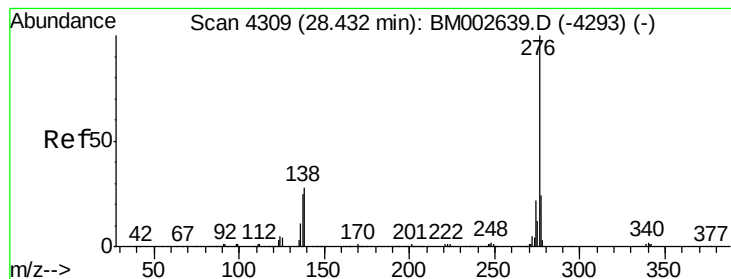


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#29

Benzo(g,h,i)perylene

Concen: 6.69 ng/ul

RT: 28.43 min Scan# 4308

Delta R.T. -0.01 min

Lab File: BM002640.D

Acq: 02 Sep 2015 12:28

Instrument :

BNA_M

ClientSampleId :

D9EA6DL2

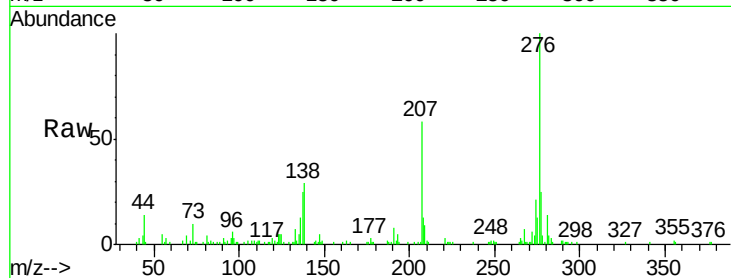
Tgt Ion: 276 Resp: 133800

Ion Ratio Lower Upper

276 100

138 28.7 21.0 31.6

277 25.0 19.2 28.8



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

