

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
 Data File : BM002579.D
 Acq On : 29 Aug 2015 23:58
 Operator : UM/IZ
 Sample : G3455-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9E82

Quant Time: Aug 31 01:35:57 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 31 01:34:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	159881	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	619699	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	259047	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	476522	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	495923	20.00	ng/ul	0.00
22) Perylene-d12	24.80	264	530936	20.00	ng/ul	0.02

System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	471599	17.81	ng/ul	0.00
10) Fluorene-d10	16.34	176	292138	15.70	ng/ul	0.00
14) Anthracene-d10	18.17	188	382637	16.65	ng/ul	0.00
18) Pyrene-d10	20.40	212	357309	16.25	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.63	264	311775	11.18	ng/ul	0.02

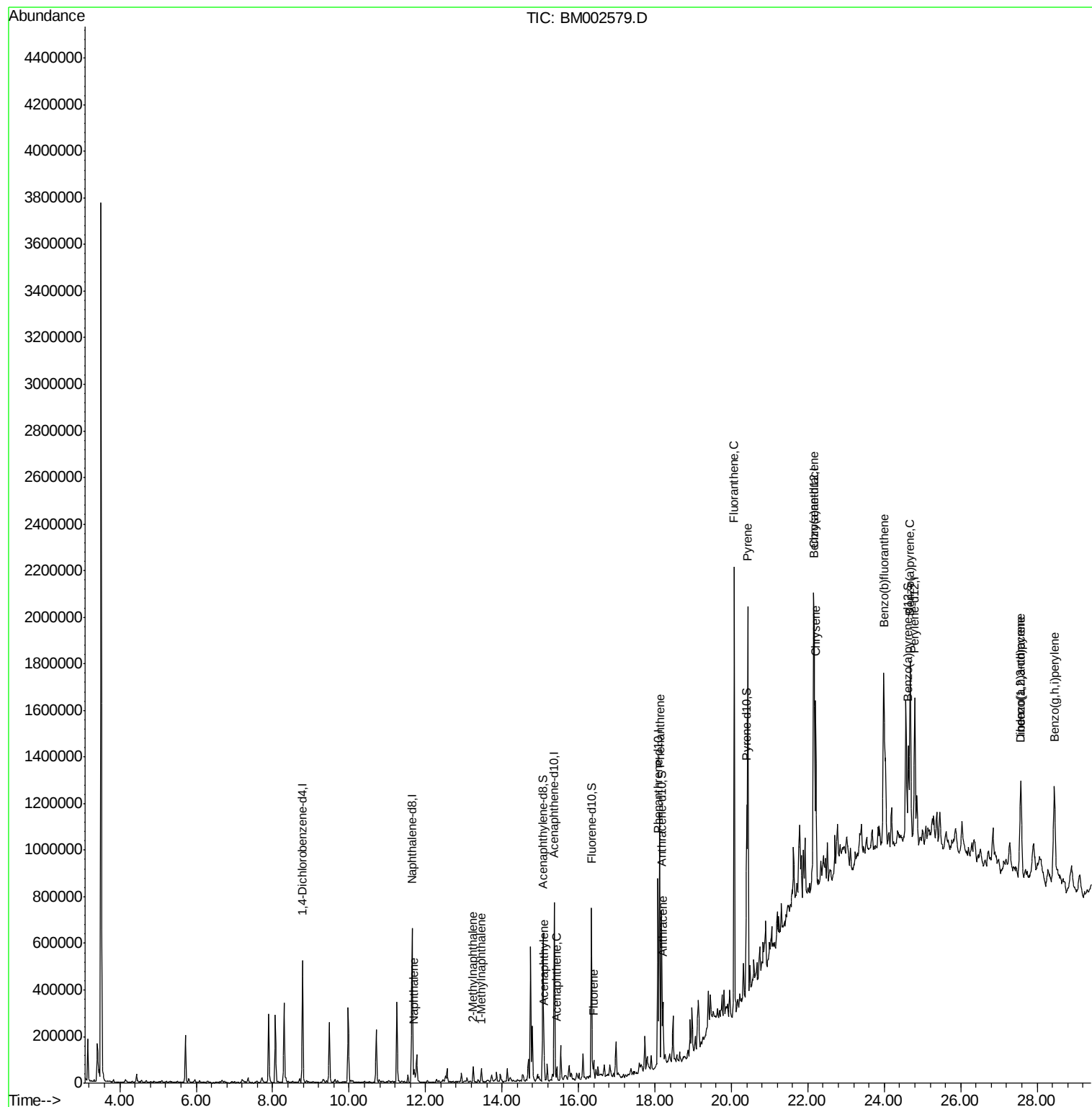
Target Compounds				Qvalue		
3) Naphthalene	11.70	128	51347	1.62	ng/ul	100
4) 2-Methylnaphthalene	13.25	142	33256	1.40	ng/ul	100
5) 1-Methylnaphthalene	13.46	142	29284	1.25	ng/ul	99
8) Acenaphthylene	15.10	152	75766	2.73	ng/ul	99
9) Acenaphthene	15.43	153	24039	1.32	ng/ul	99
11) Fluorene	16.40	166	34458	1.65	ng/ul#	98
13) Phenanthrene	18.12	178	665819	24.20	ng/ul	99
15) Anthracene	18.21	178	170560	6.12	ng/ul	100
16) Fluoranthene	20.07	202	1138293	36.54	ng/ul	96
19) Pyrene	20.43	202	987317	33.98	ng/ul	98
20) Benzo(a)anthracene	22.14	228	527593	17.79	ng/ul	98
21) Chrysene	22.20	228	514646	18.55	ng/ul	96
23) Benzo(b)fluoranthene	23.99	252	753226	23.47	ng/ul#	96
26) Benzo(a)pyrene	24.69	252	551016	17.97	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.57	276	434333	12.32	ng/ul	97
28) Dibenzo(a,h)anthracene	27.56	278	147958	5.02	ng/ul#	79
29) Benzo(g,h,i)perylene	28.45	276	562338	19.16	ng/ul	95

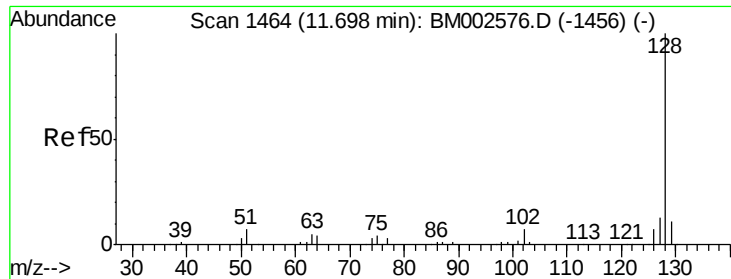
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.62 ng/ul

RT: 11.70 min Scan# 1464

Delta R.T. 0.00 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

Instrument :

BNA_M

ClientSampleId :

D9E82

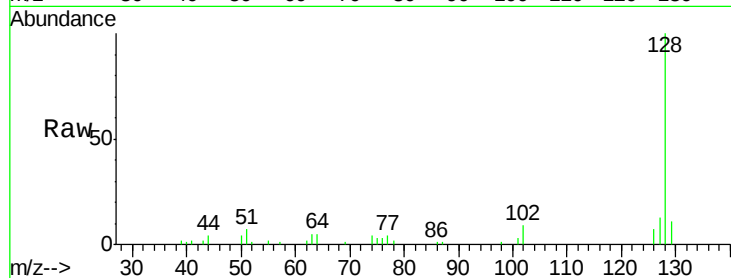
Tgt Ion:128 Resp: 51347

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

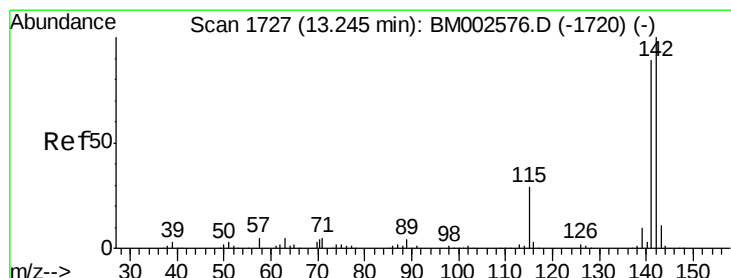
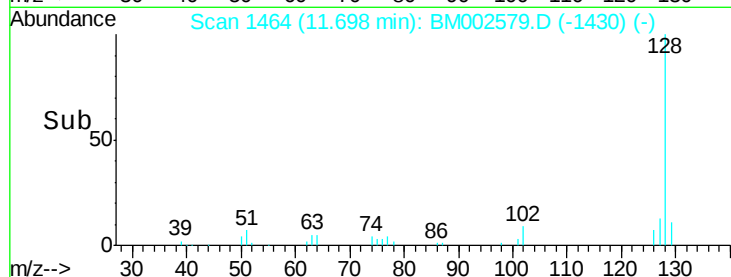
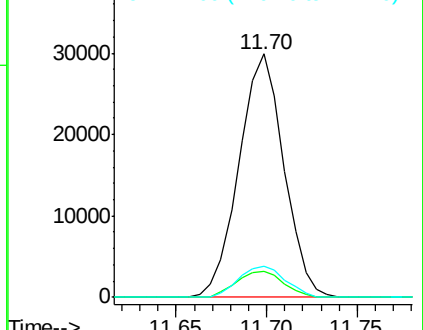
127 13.0 10.4 15.6



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: 1.40 ng/ul

RT: 13.25 min Scan# 1727

Delta R.T. 0.00 min

Lab File: BM002579.D

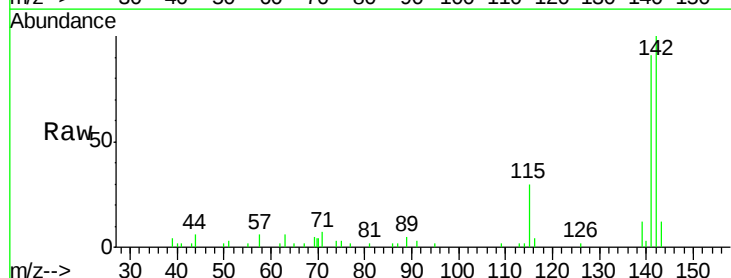
Acq: 29 Aug 2015 23:58

Tgt Ion:142 Resp: 33256

Ion Ratio Lower Upper

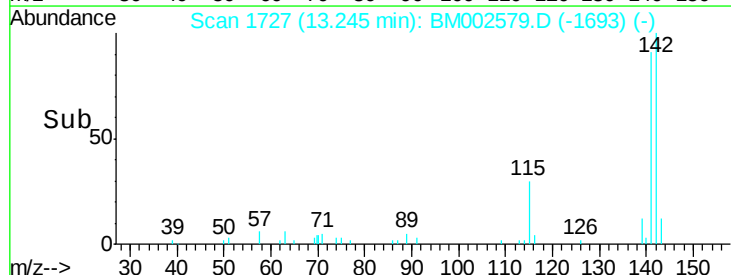
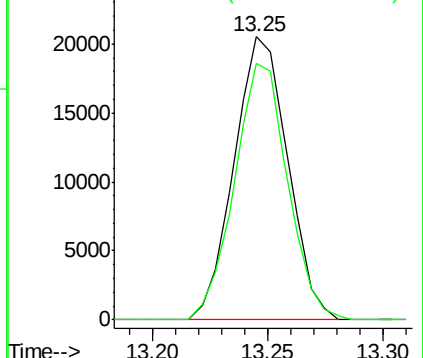
142 100

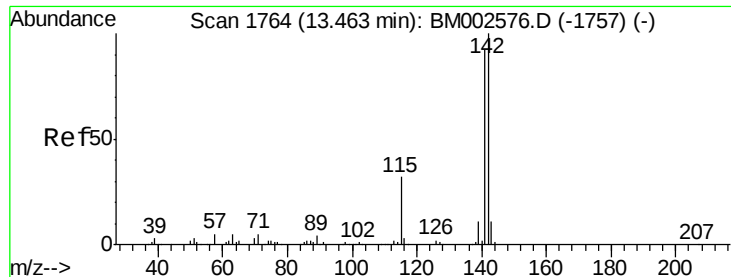
141 90.6 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.25 ng/ul

RT: 13.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

Instrument :

BNA_M

ClientSampleId :

D9E82

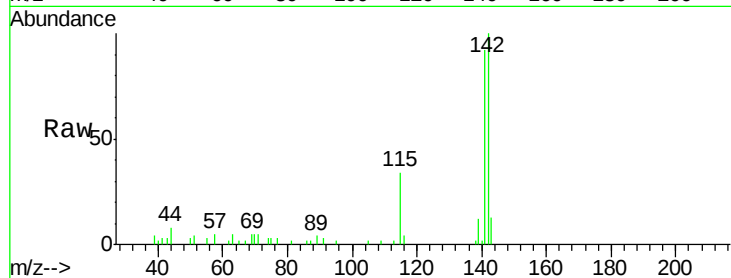
Tgt Ion:142 Resp: 29284

Ion Ratio Lower Upper

142 100

141 91.5 73.9 110.9

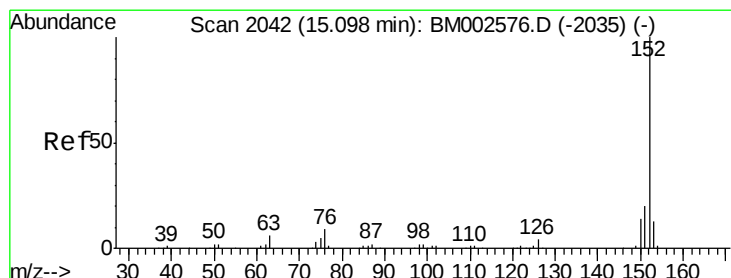
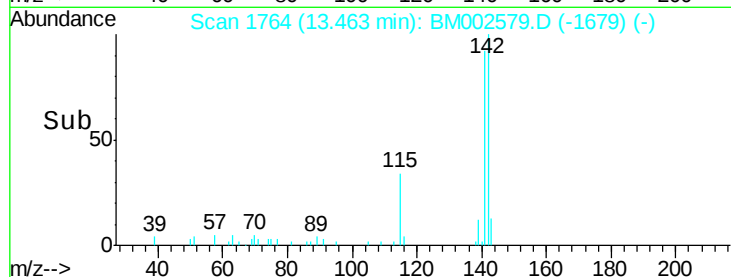
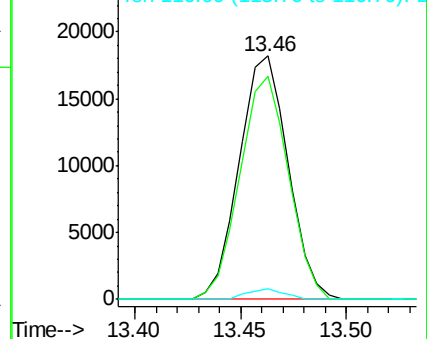
116 4.3 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 2.73 ng/ul

RT: 15.10 min Scan# 2043

Delta R.T. 0.01 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

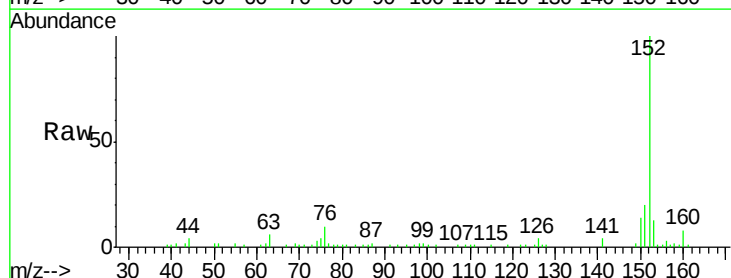
Tgt Ion:152 Resp: 75766

Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

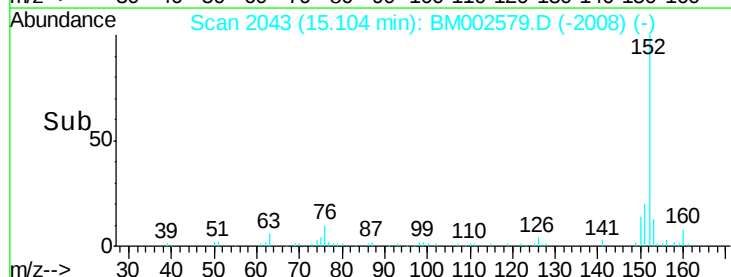
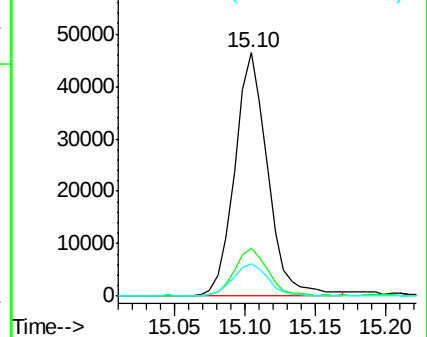
153 13.1 10.2 15.4

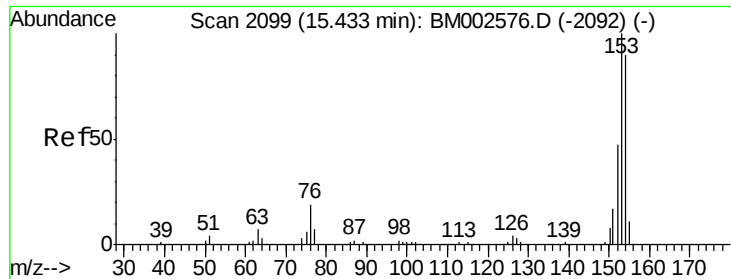


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.32 ng/ul

RT: 15.43 min Scan# 2099

Delta R.T. 0.00 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

Instrument :

BNA_M

ClientSampleId :

D9E82

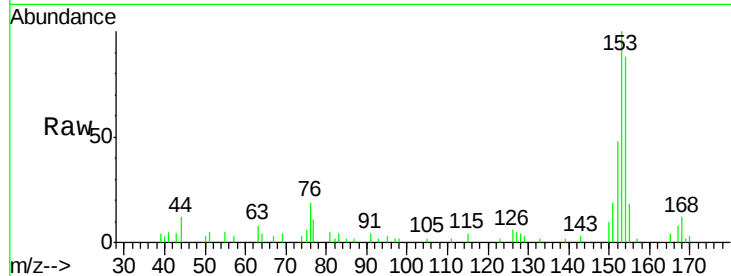
Tgt Ion:153 Resp: 24039

Ion Ratio Lower Upper

153 100

152 47.8 36.9 55.3

154 88.4 71.3 106.9

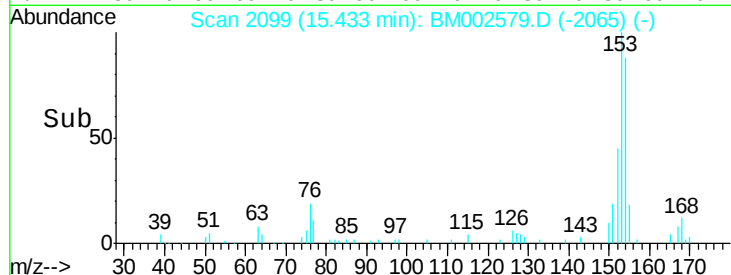


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

Time-->

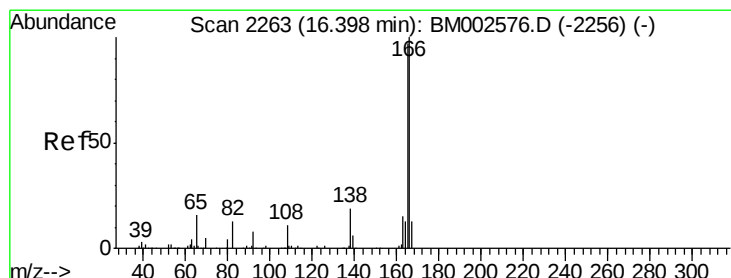


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

Time-->



#11

Fluorene

Concen: 1.65 ng/ul

RT: 16.40 min Scan# 2263

Delta R.T. 0.00 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

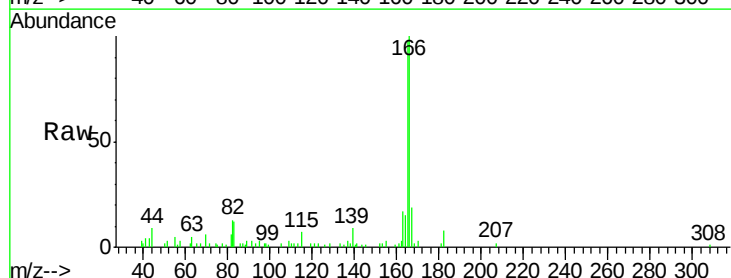
Tgt Ion:166 Resp: 34458

Ion Ratio Lower Upper

166 100

165 97.7 77.6 116.4

167 18.6 10.7 16.1#

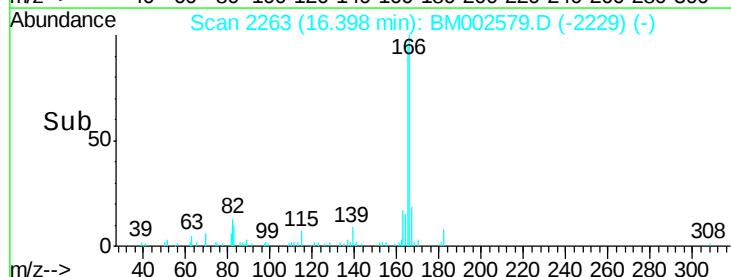


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->

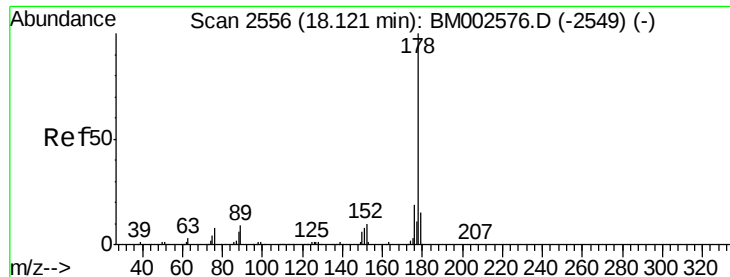


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



#13

Phenanthrene

Concen: 24.20 ng/ul

RT: 18.12 min Scan# 2556

Delta R.T. 0.00 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

Instrument :

BNA_M

ClientSampleId :

D9E82

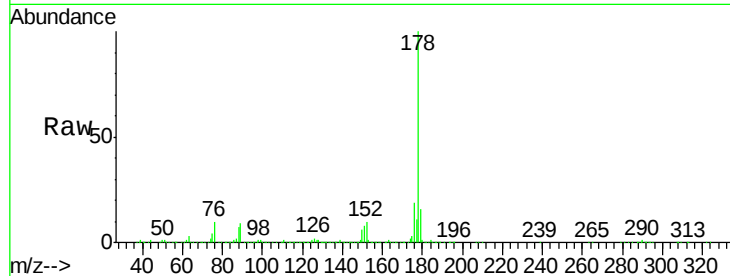
Tgt Ion:178 Resp: 665819

Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

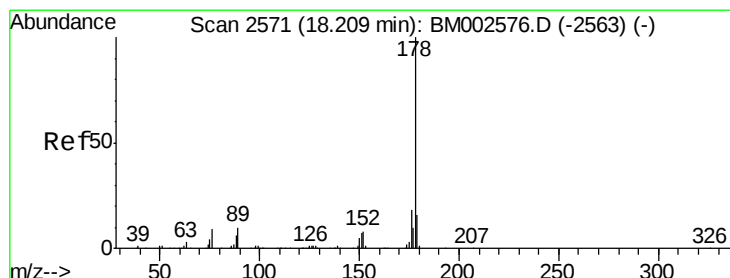
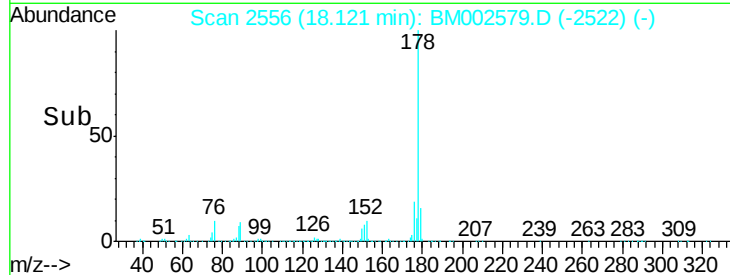
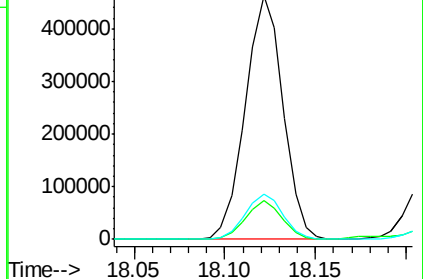
176 18.8 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Anthracene

Concen: 6.12 ng/ul

RT: 18.21 min Scan# 2571

Delta R.T. 0.00 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

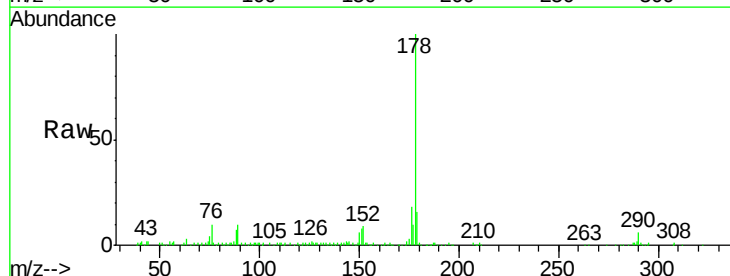
Tgt Ion:178 Resp: 170560

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

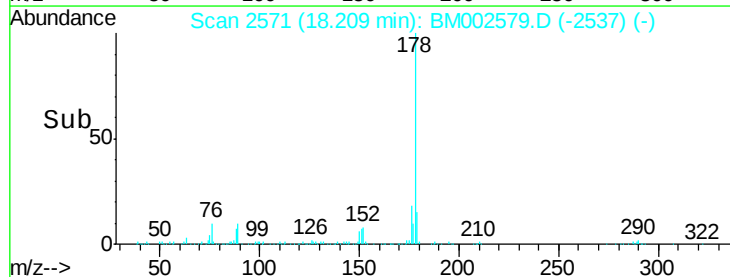
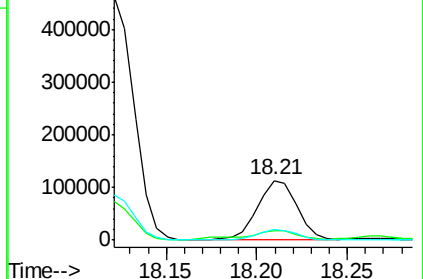
176 18.4 14.5 21.7

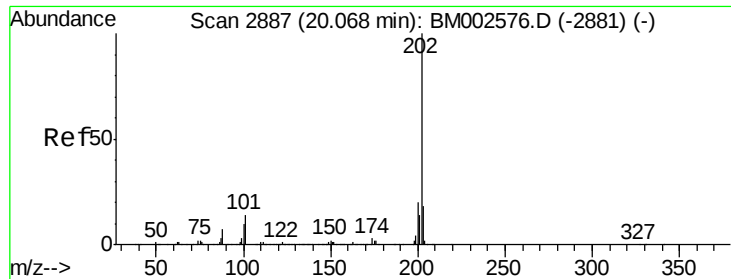


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 36.54 ng/ul

RT: 20.07 min Scan# 2888

Delta R.T. 0.01 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

Instrument :

BNA_M

ClientSampled :

D9E82

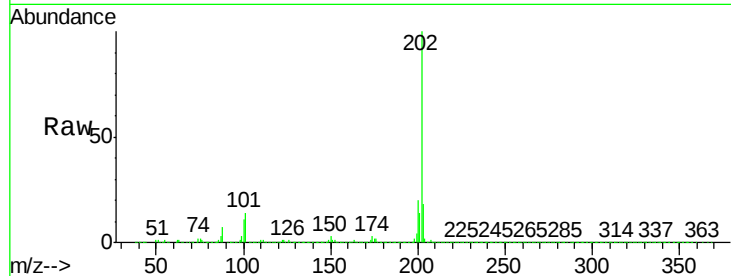
Tgt Ion:202 Resp: 1138293

Ion Ratio Lower Upper

202 100

101 13.7 9.7 14.5

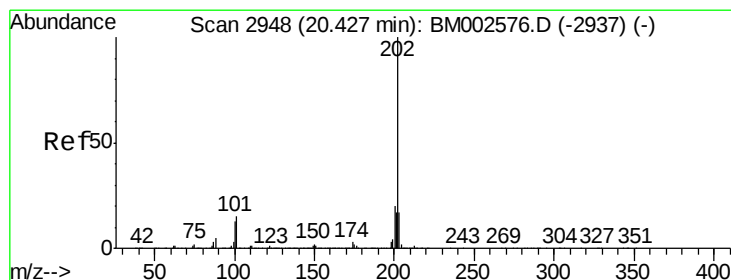
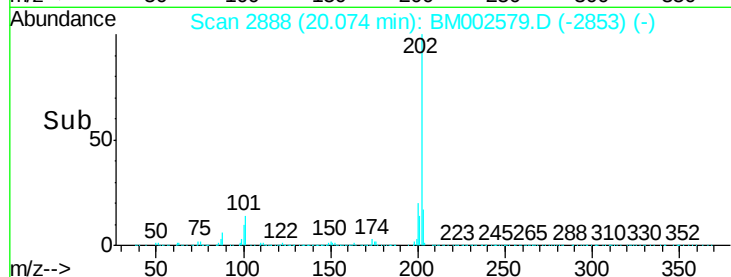
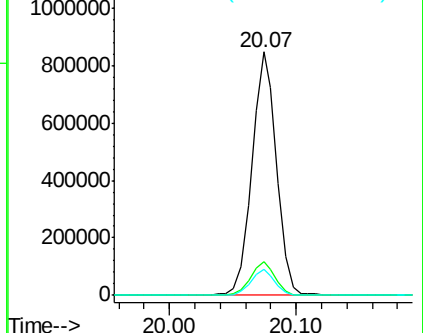
100 10.5 7.4 11.2



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: 33.98 ng/ul

RT: 20.43 min Scan# 2949

Delta R.T. 0.01 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

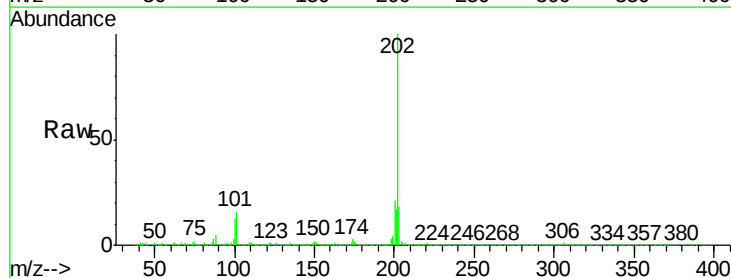
Tgt Ion:202 Resp: 987317

Ion Ratio Lower Upper

202 100

101 15.6 12.0 18.0

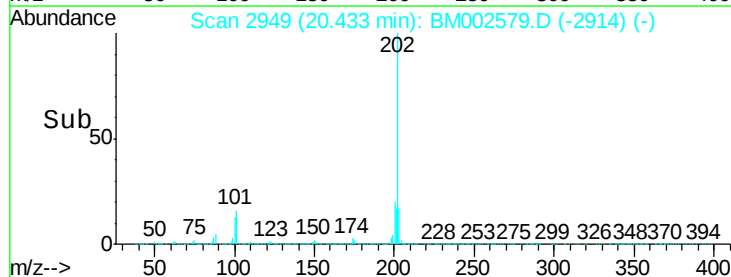
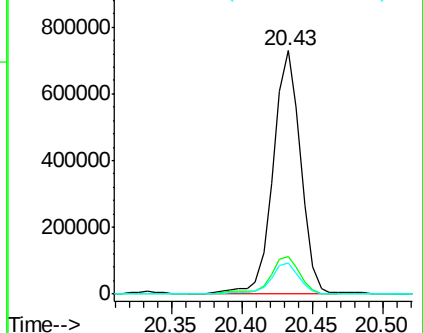
100 12.8 9.7 14.5

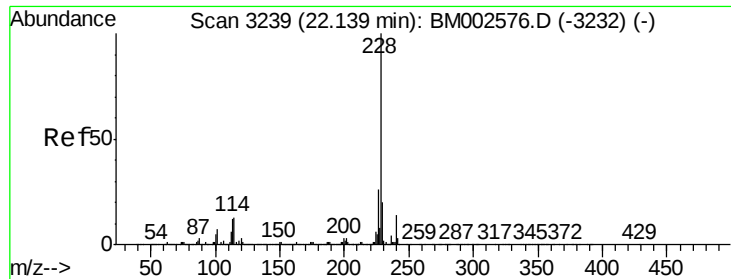


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 17.79 ng/ul

RT: 22.14 min Scan# 3240

Delta R.T. 0.01 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

Instrument :

BNA_M

ClientSampleId :

D9E82

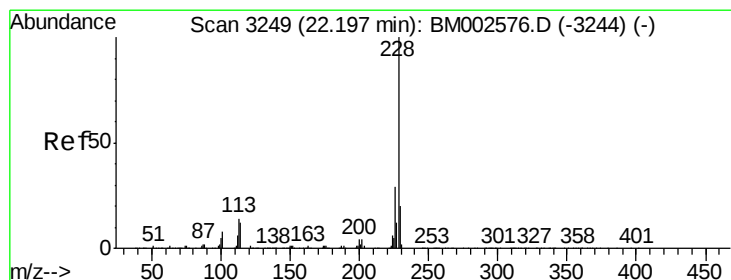
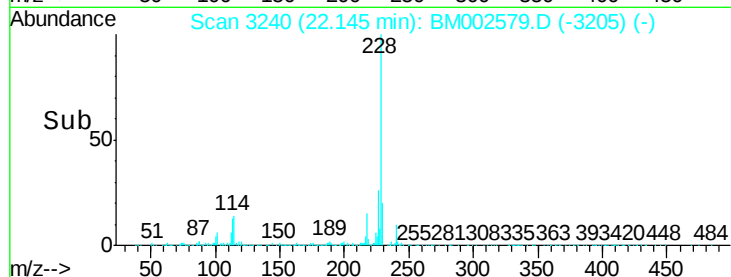
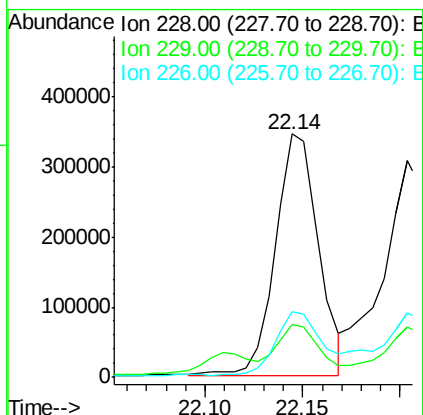
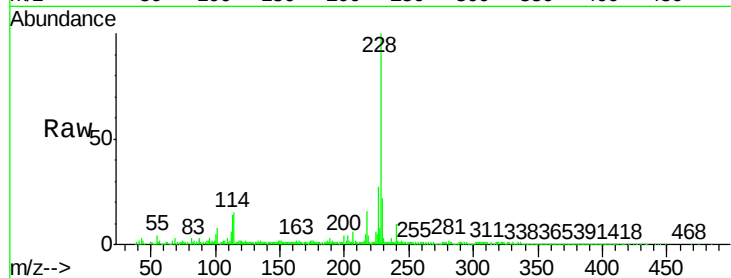
Tgt Ion:228 Resp: 527593

Ion Ratio Lower Upper

228 100

229 21.5 15.8 23.6

226 26.7 21.1 31.7



#21

Chrysene

Concen: 18.55 ng/ul

RT: 22.20 min Scan# 3250

Delta R.T. 0.01 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

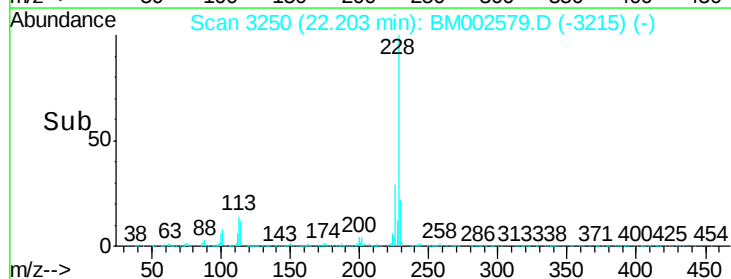
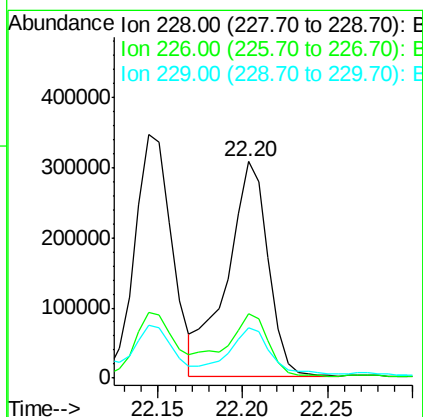
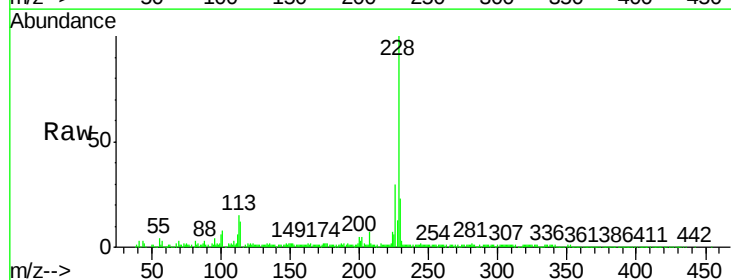
Tgt Ion:228 Resp: 514646

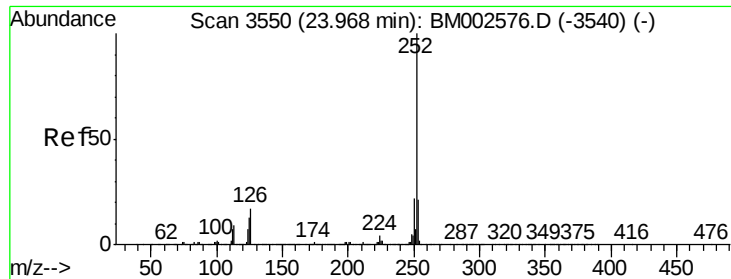
Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

229 23.1 15.7 23.5





#23

Benzo(b)fluoranthene

Concen: 23.47 ng/ul

RT: 23.99 min Scan# 3553

Delta R.T. 0.02 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

Instrument :

BNA_M

ClientSampleId :

D9E82

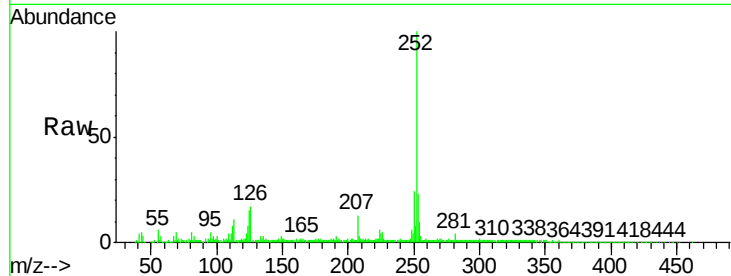
Tgt Ion:252 Resp: 753226

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

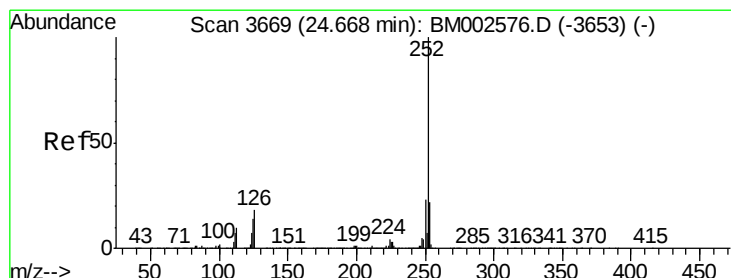
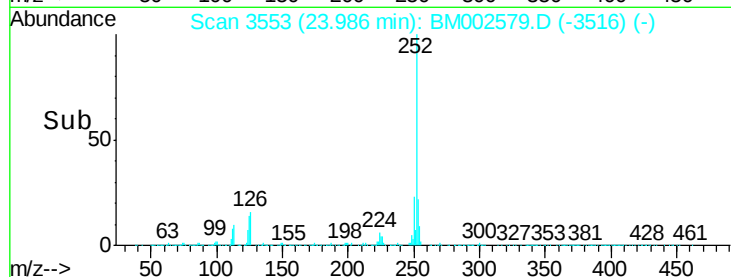
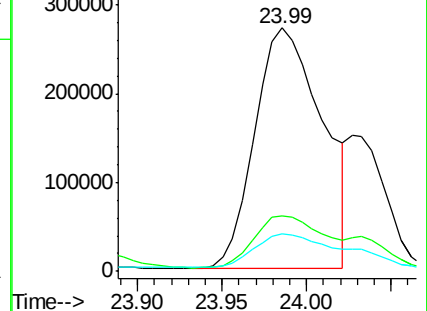
125 15.3 10.0 15.0#



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: 17.97 ng/ul

RT: 24.69 min Scan# 3672

Delta R.T. 0.02 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

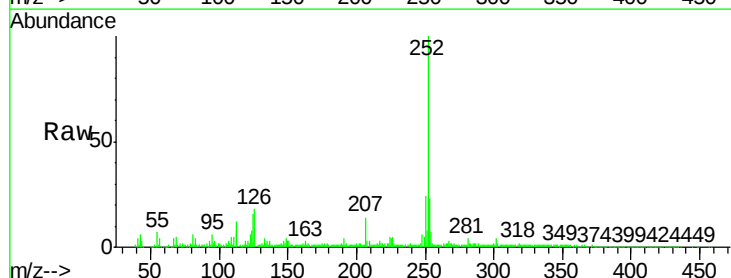
Tgt Ion:252 Resp: 551016

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

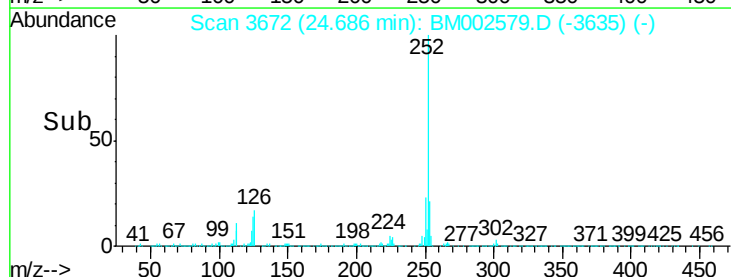
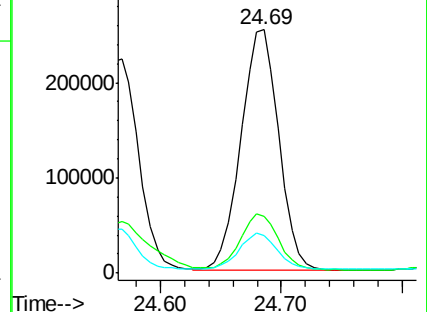
125 15.5 10.7 16.1

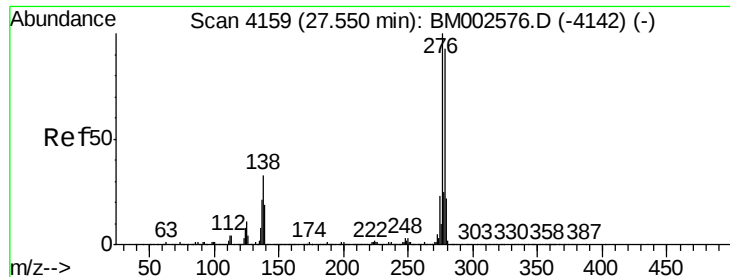


Abundance Ion 252.00 (251.70 to 252.70): E

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: 12.32 ng/ul

RT: 27.57 min Scan# 4163

Delta R.T. 0.02 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

Instrument :

BNA_M

ClientSampleId :

D9E82

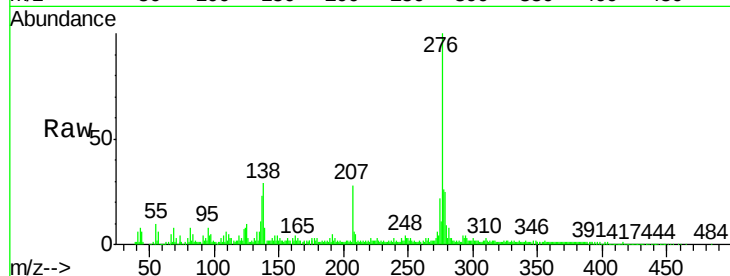
Tgt Ion:276 Resp: 434333

Ion Ratio Lower Upper

276 100

138 29.5 25.3 37.9

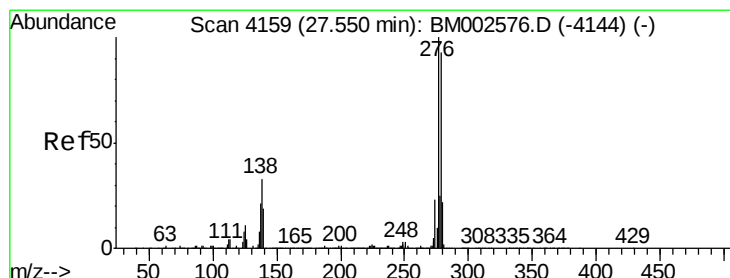
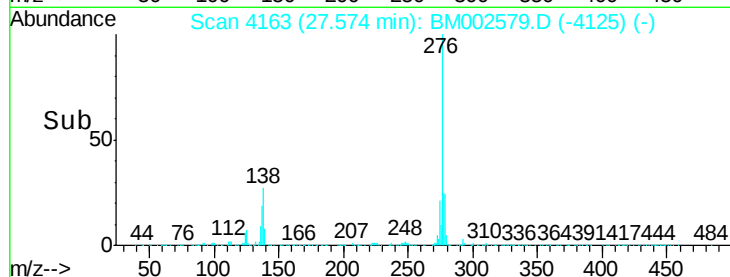
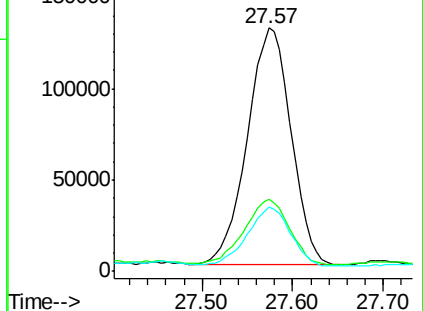
277 26.3 20.2 30.2



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: 5.02 ng/ul

RT: 27.56 min Scan# 4161

Delta R.T. 0.01 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

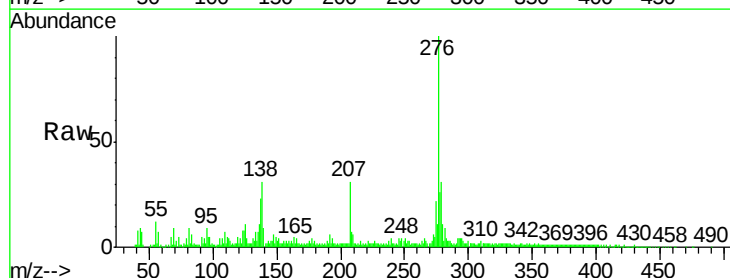
Tgt Ion:278 Resp: 147958

Ion Ratio Lower Upper

278 100

139 29.6 16.5 24.7#

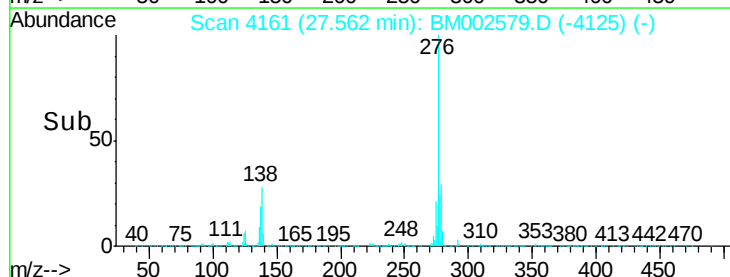
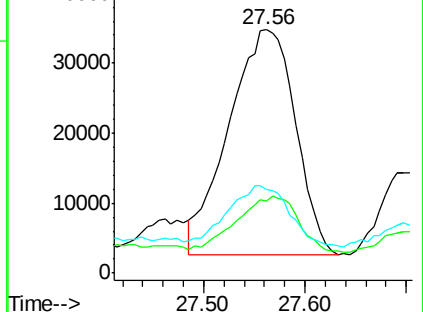
279 34.6 18.8 28.2#

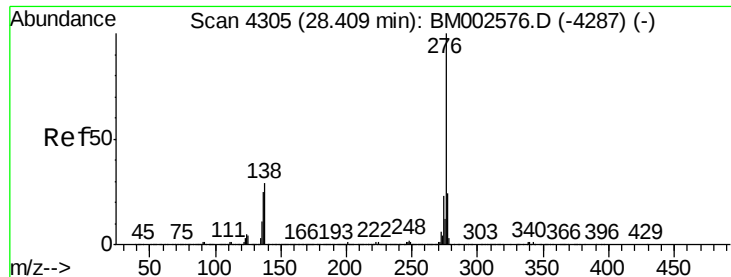


Abundance Ion 278.00 (277.70 to 278.70): E

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: 19.16 ng/ul

RT: 28.45 min Scan# 4312

Delta R.T. 0.04 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

Instrument :

BNA_M

ClientSampleId :

D9E82

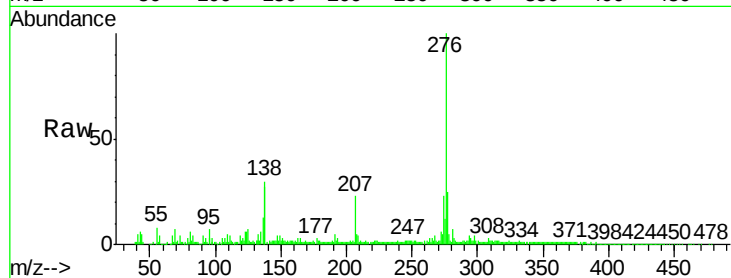
Tgt Ion:276 Resp: 562338

Ion Ratio Lower Upper

276 100

138 30.2 21.0 31.6

277 25.3 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

