

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/IZ
 Sample : G4767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N39

Quant Time: Dec 17 03:03:40 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	3676	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	15788	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	10585	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	847966	0.40	ng/ul	0.10
18) Chrysene-d12	21.30	240	14424	0.40	ng/ul	-0.01
22) Perylene-d12	23.41	264	762344	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	14143	9.00	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	4884	0.26	ng/ul	-0.01
16) Fluoranthene-d10	19.23	212	356	0.00	ng/ul	0.09

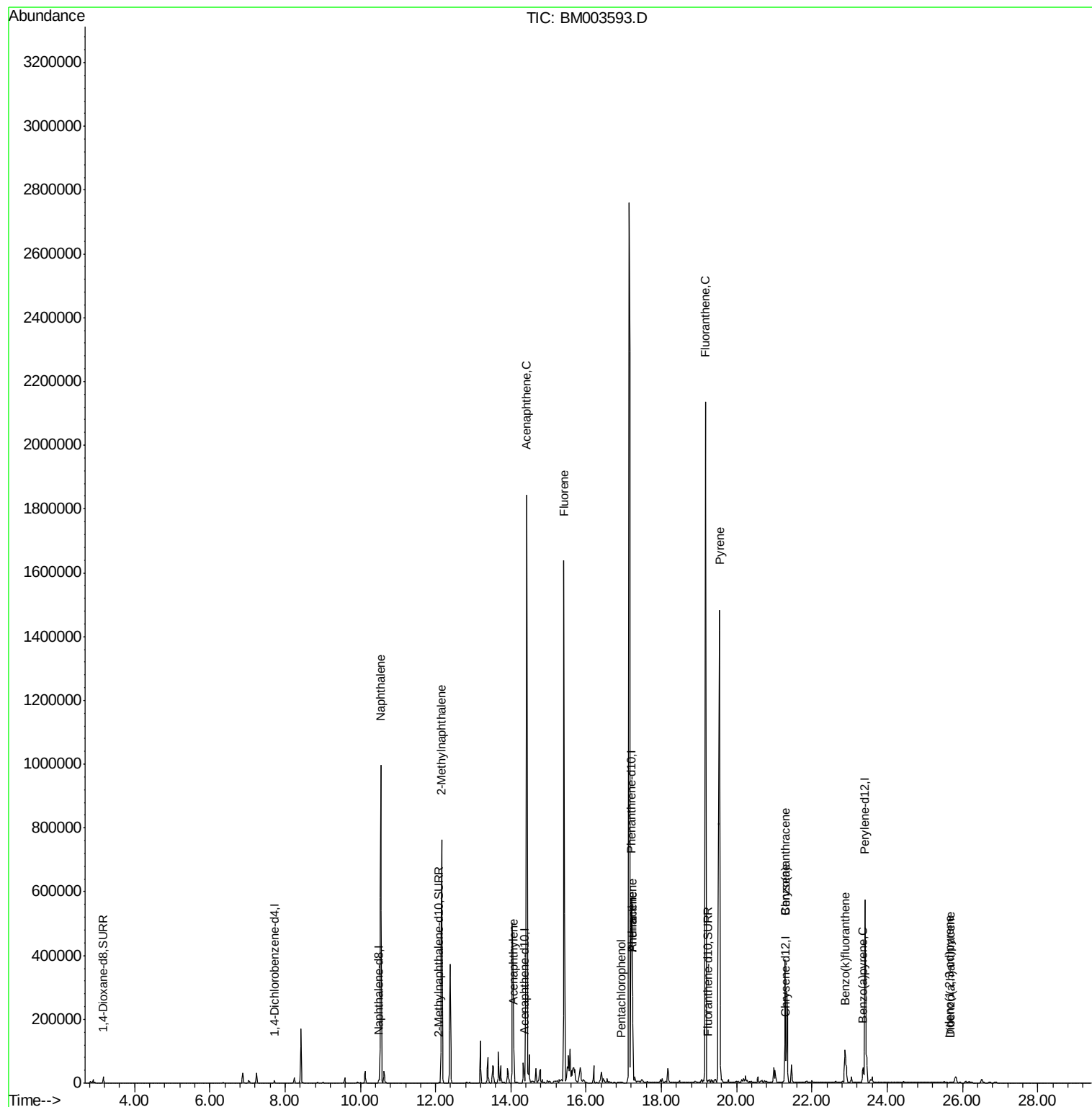
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.55	128	1356619	38.14	ng/ul	98
7) 2-Methylnaphthalene	12.16	142	536233	22.46	ng/ul	99
9) Acenaphthylene	14.07	152	106172	2.63	ng/ul#	91
10) Acenaphthene	14.42	153	1118555	34.32	ng/ul	87
11) Fluorene	15.41	166	1083804	30.00	ng/ul	84
13) Pentachlorophenol	16.94	266	8	0.00	ng/ul#	1
14) Phenanthrene	17.23	178	353010	0.16	ng/ul#	90
15) Anthracene	17.23	178	335509	0.18	ng/ul#	94
17) Fluoranthene	19.17	202	2342673	0.99	ng/ul	95
19) Pyrene	19.54	202	1658829	42.60	ng/ul	93
20) Benzo(a)anthracene	21.28	228	371269	10.54	ng/ul#	92
21) Chrysene	21.28	228	371269	9.20	ng/ul	95
24) Benzo(k)fluoranthene	22.88	252	225364	0.10	ng/ul	96
25) Benzo(a)pyrene	23.36	252	64656	0.03	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.65	276	804	0.00	ng/ul#	41
27) Dibenzo(a,h)anthracene	25.67	278	564	0.00	ng/ul#	1

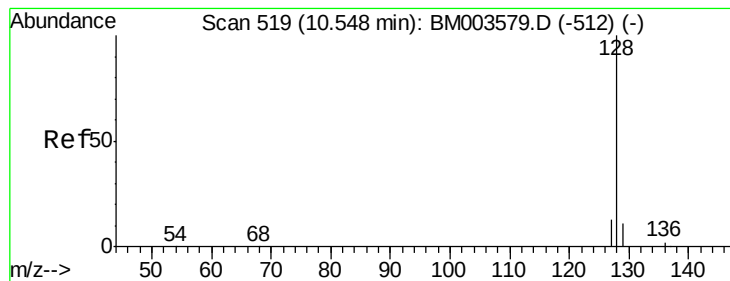
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 38.14 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003593.D

Acq: 17 Dec 2015 00:31

Instrument :

BNA_M

ClientSampleId :

D9N39

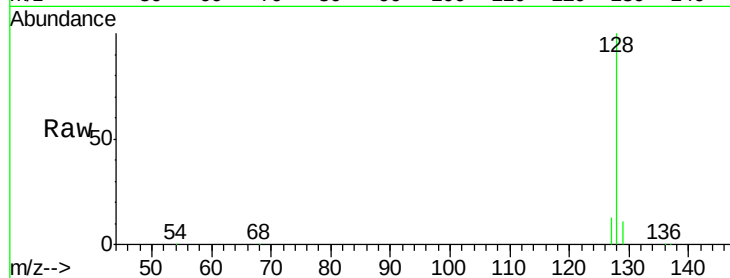
Tgt Ion:128 Resp: 1356619

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

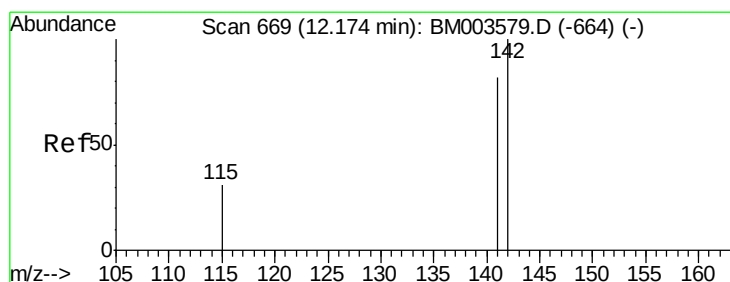
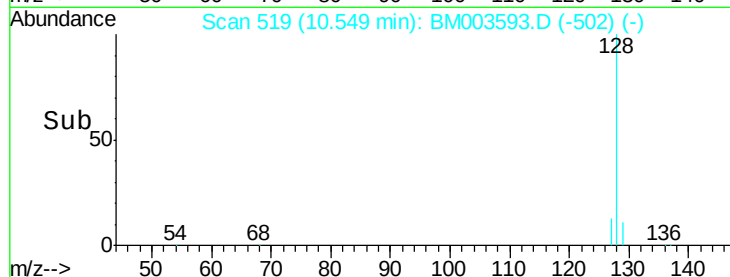
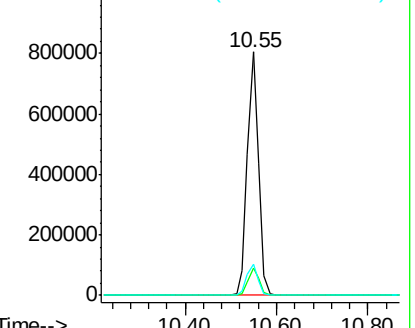
127 12.9 9.6 14.4



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



#7

2-Methylnaphthalene

Concen: 22.46 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM003593.D

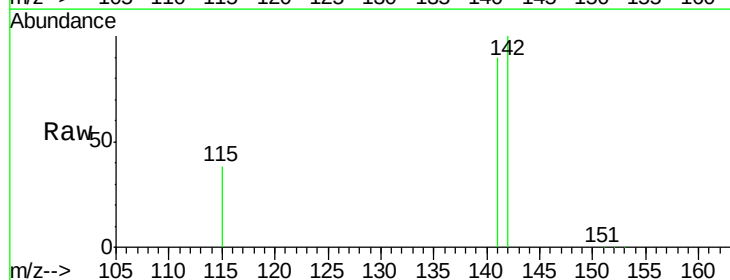
Acq: 17 Dec 2015 00:31

Tgt Ion:142 Resp: 536233

Ion Ratio Lower Upper

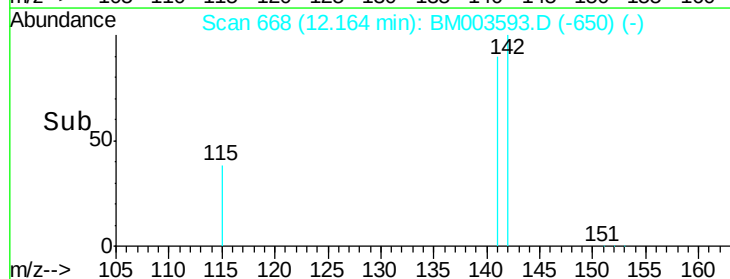
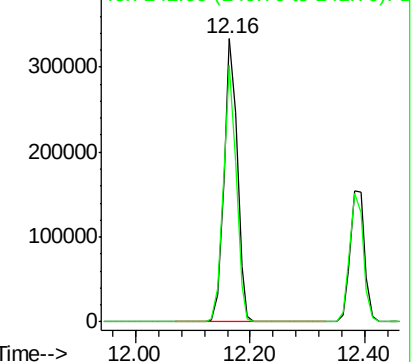
142 100

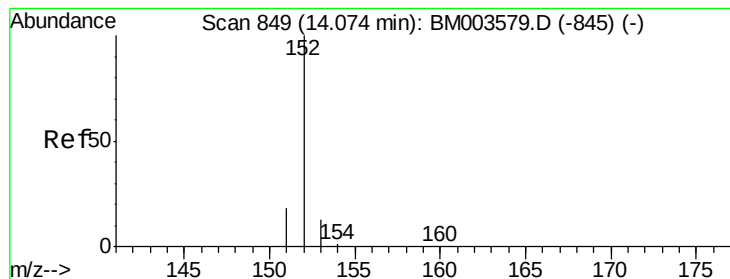
141 88.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 2.63 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003593.D

Acq: 17 Dec 2015 00:31

Instrument :

BNA_M

ClientSampleId :

D9N39

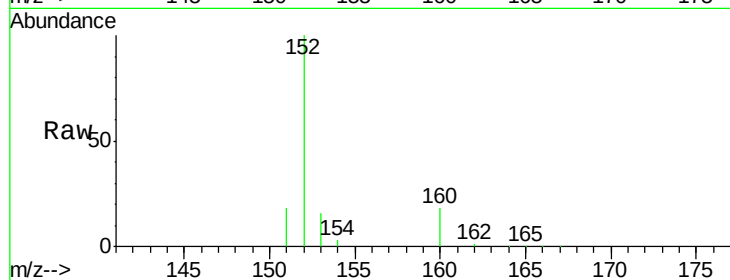
Tgt Ion:152 Resp: 106172

Ion Ratio Lower Upper

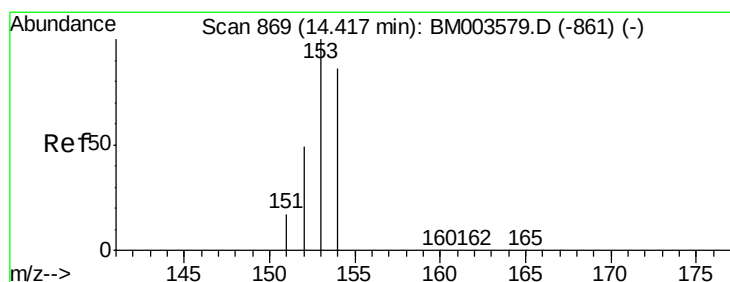
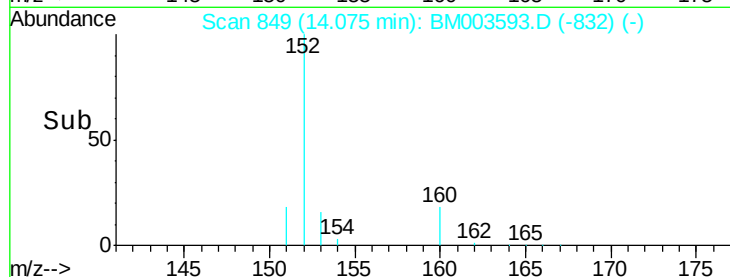
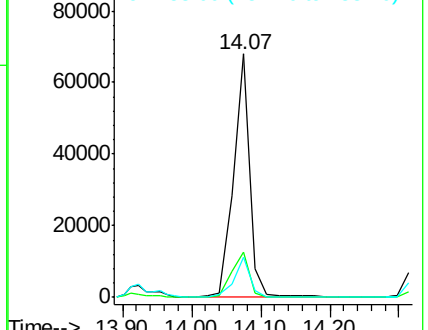
152 100

151 18.4 17.6 26.4

153 16.4 9.7 14.5#



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



#10

Acenaphthene

Concen: 34.32 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003593.D

Acq: 17 Dec 2015 00:31

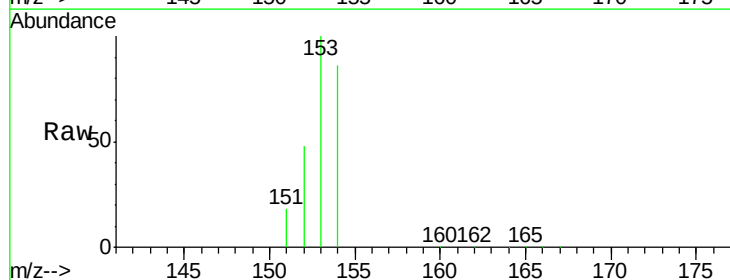
Tgt Ion:153 Resp: 1118555

Ion Ratio Lower Upper

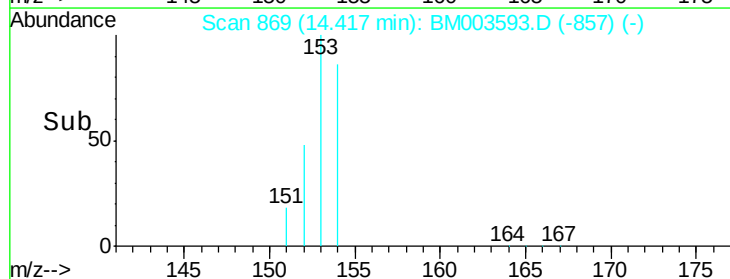
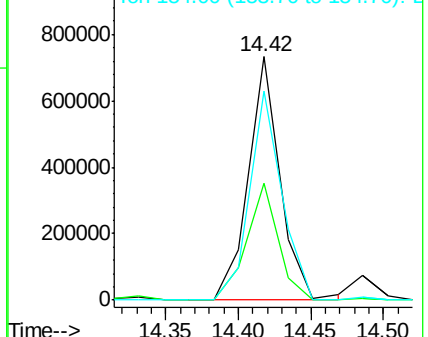
153 100

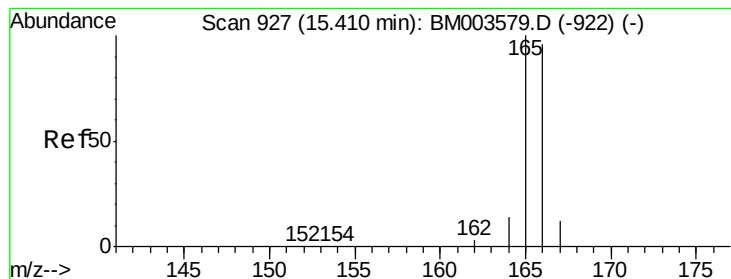
152 47.9 33.9 50.9

154 85.9 80.6 121.0



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: 30.00 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM003593.D

Acq: 17 Dec 2015 00:31

Instrument :

BNA_M

ClientSampleId :

D9N39

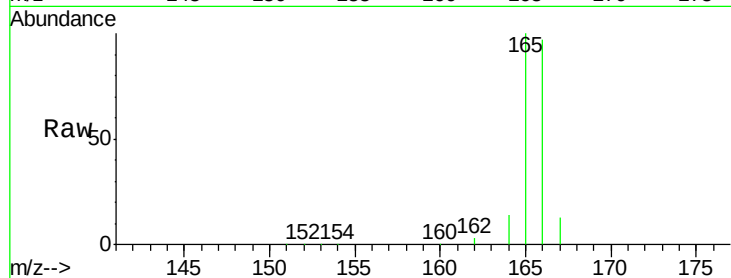
Tgt Ion:166 Resp: 1083804

Ion Ratio Lower Upper

166 100

165 103.2 69.6 104.4

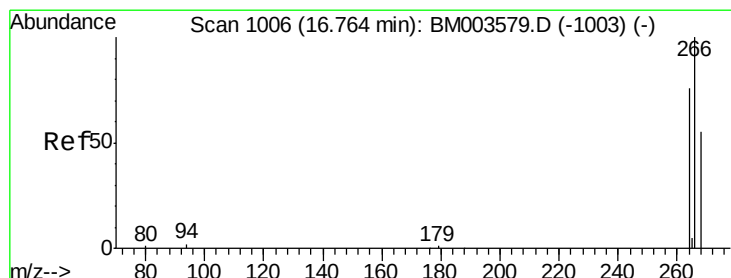
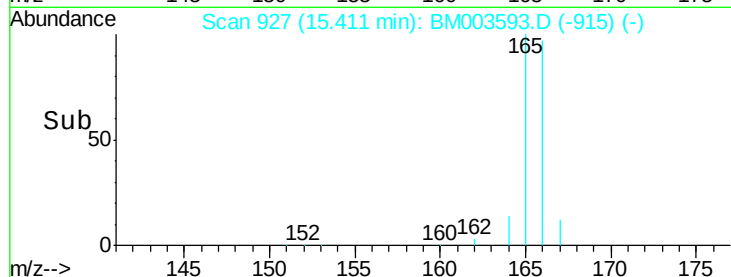
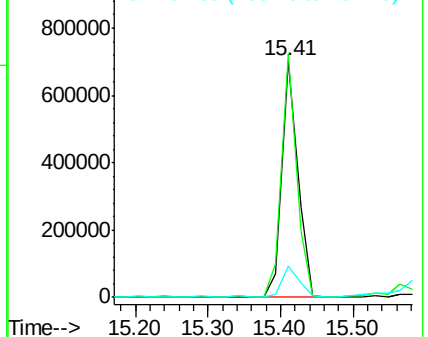
167 13.2 11.9 17.9



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

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.94 min Scan# 1016

Delta R.T. 0.17 min

Lab File: BM003593.D

Acq: 17 Dec 2015 00:31

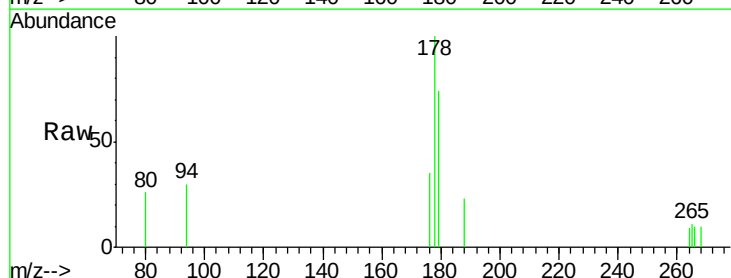
Tgt Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

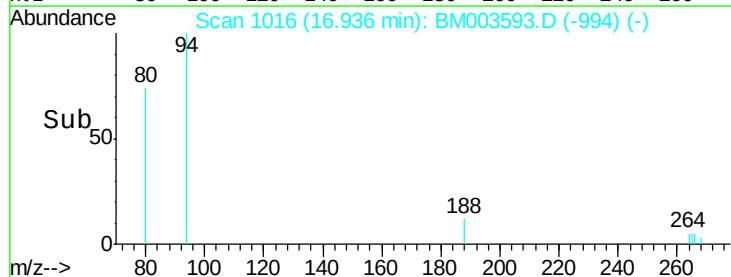
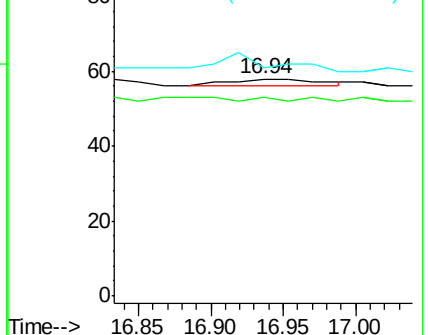
268 187.5 46.8 70.2#

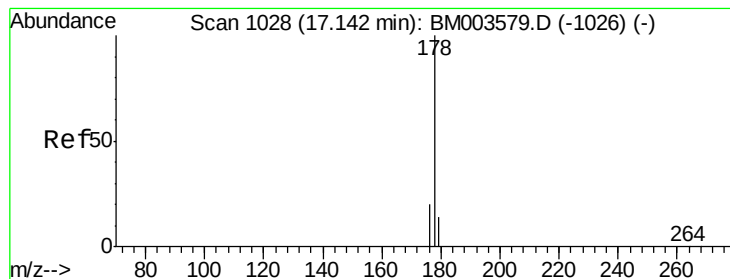


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.16 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. 0.09 min

Lab File: BM003593.D

Acq: 17 Dec 2015 00:31

Instrument :

BNA_M

ClientSampleId :

D9N39

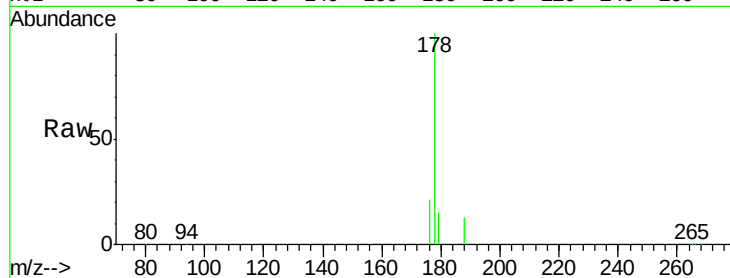
Tgt Ion:178 Resp: 353010

Ion Ratio Lower Upper

178 100

176 21.5 13.0 19.4#

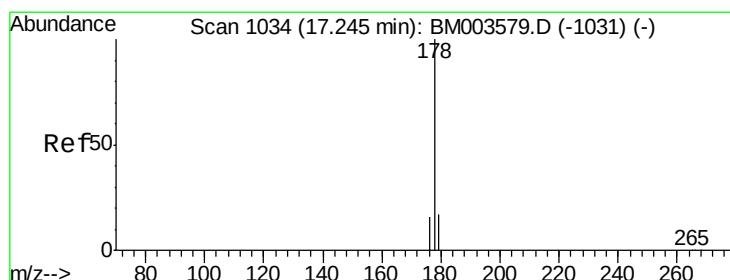
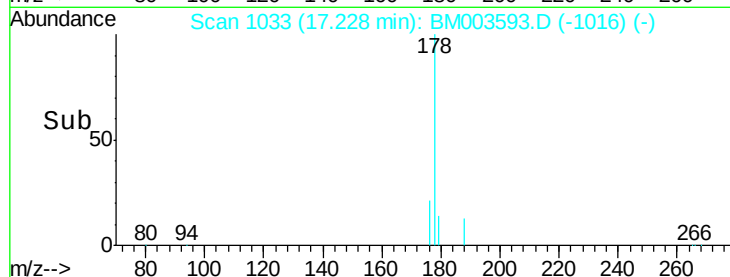
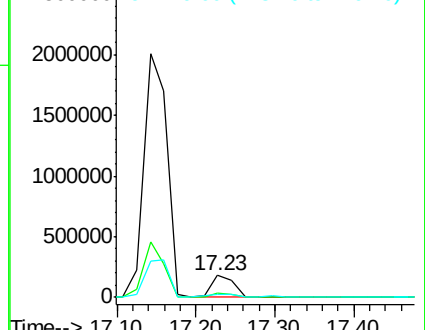
179 14.6 14.2 21.2



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

Anthracene

Concen: 0.18 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BM003593.D

Acq: 17 Dec 2015 00:31

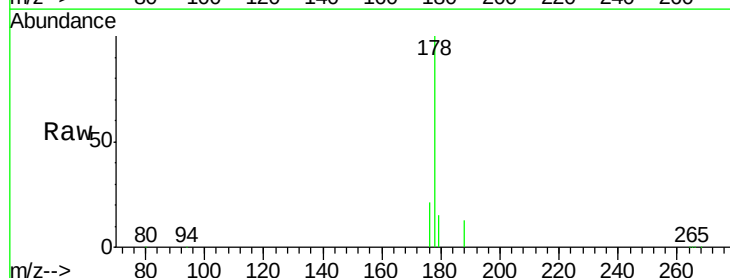
Tgt Ion:178 Resp: 335509

Ion Ratio Lower Upper

178 100

176 21.5 14.0 21.0#

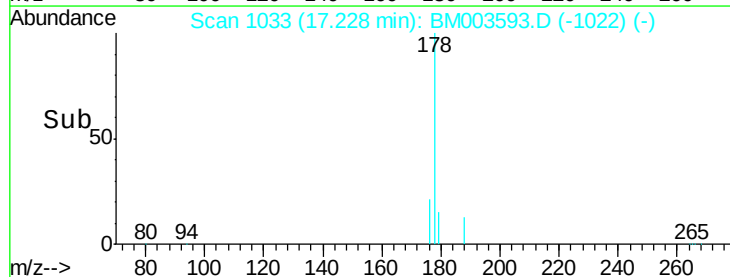
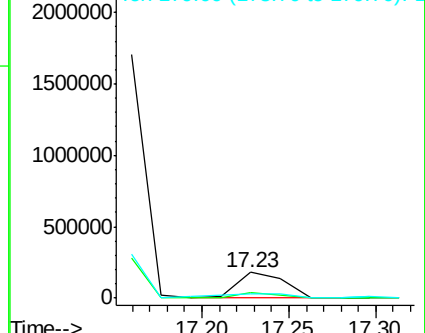
179 14.6 12.9 19.3

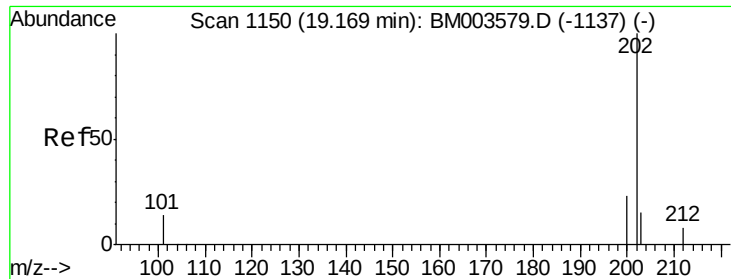


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

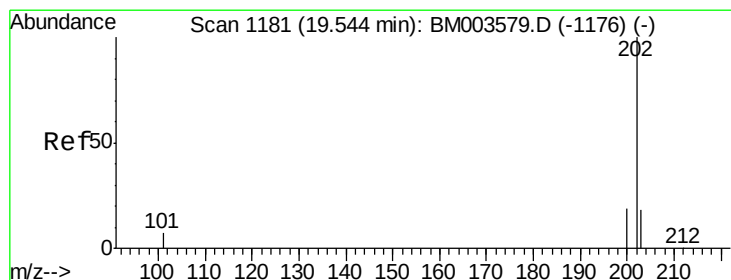
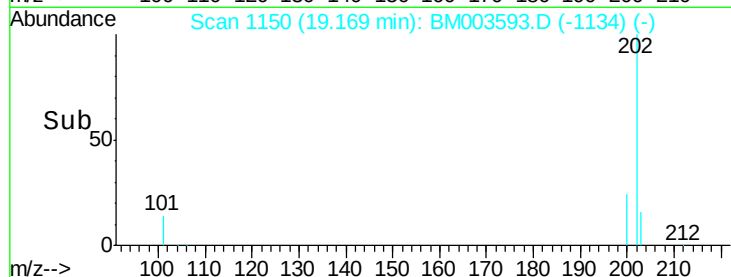
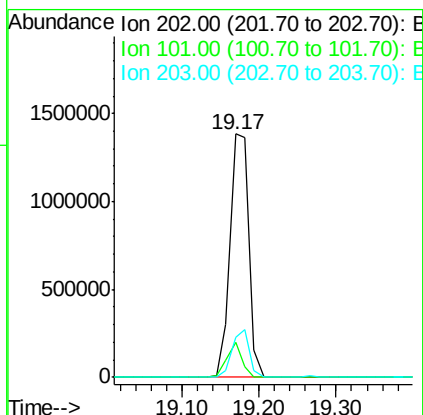
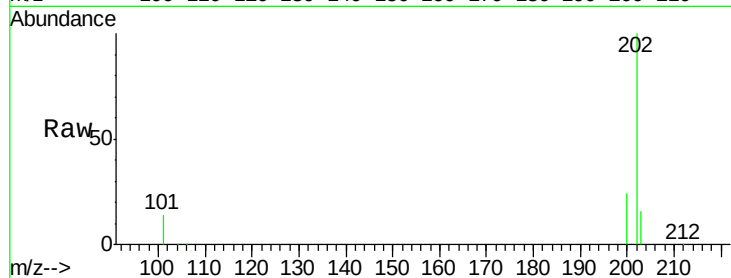




#17
Fluoranthene
Concen: 0.99 ng/ul
RT: 19.17 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BM003593.D
Acq: 17 Dec 2015 00:31

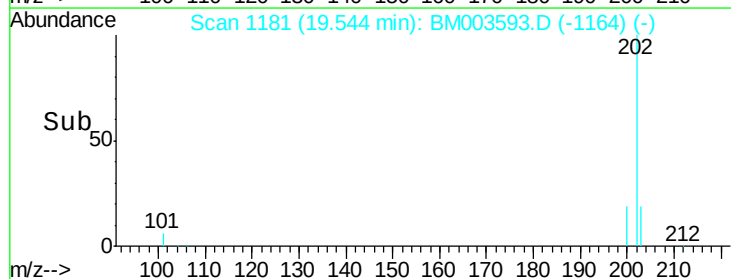
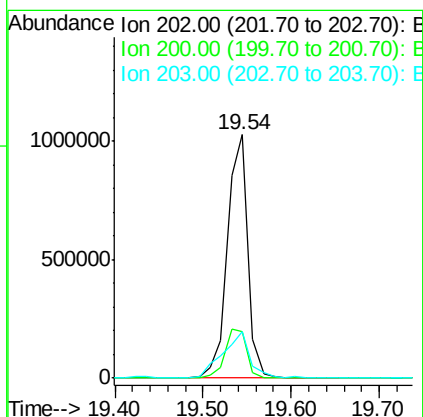
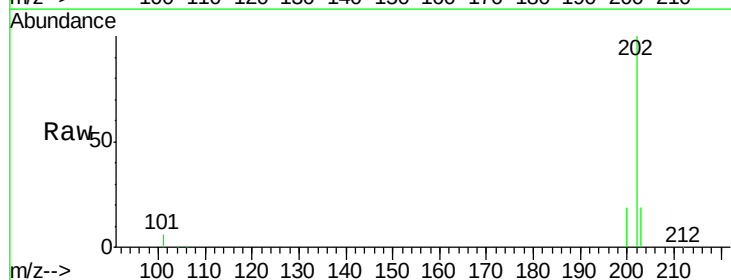
Instrument :
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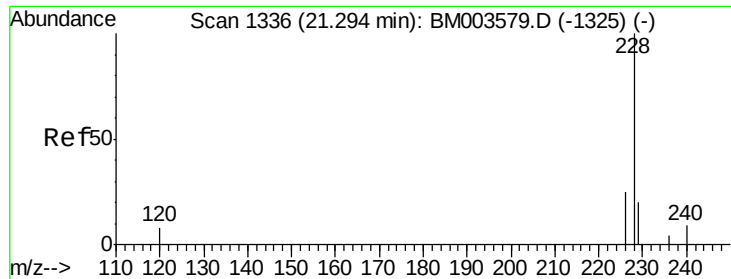
Tgt Ion:202 Resp: 2342673
Ion Ratio Lower Upper
202 100
101 14.3 0.0 29.6
203 16.3 0.0 36.3



#19
Pyrene
Concen: 42.60 ng/ul
RT: 19.54 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BM003593.D
Acq: 17 Dec 2015 00:31

Tgt Ion:202 Resp: 1658829
Ion Ratio Lower Upper
202 100
200 18.9 17.8 26.8
203 19.2 12.8 19.2





#20

Benzo(a)anthracene

Concen: 10.54 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BM003593.D

Acq: 17 Dec 2015 00:31

Instrument :

BNA_M

ClientSampleId :

D9N39

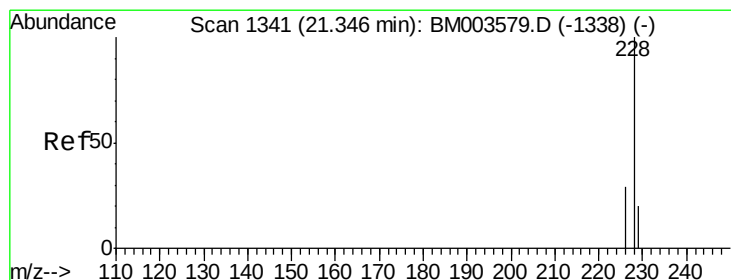
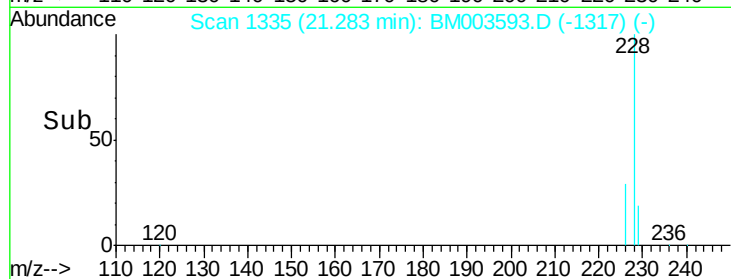
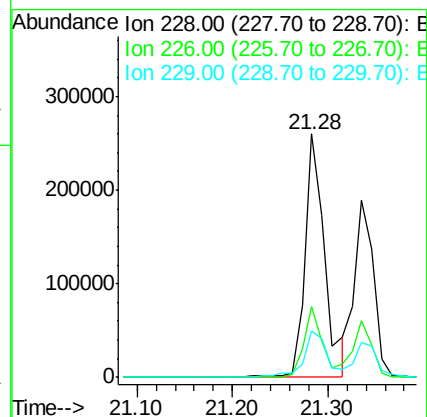
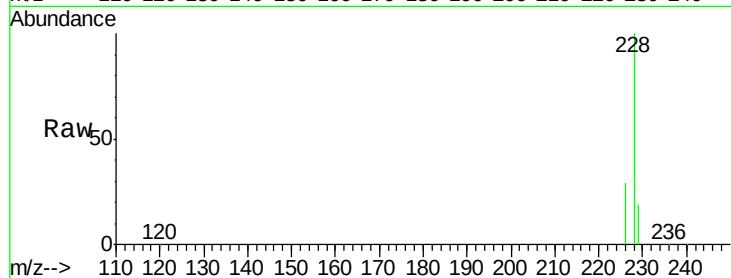
Tgt Ion:228 Resp: 371269

Ion Ratio Lower Upper

228 100

226 29.0 18.8 28.2#

229 19.1 17.1 25.7



#21

Chrysene

Concen: 9.20 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.06 min

Lab File: BM003593.D

Acq: 17 Dec 2015 00:31

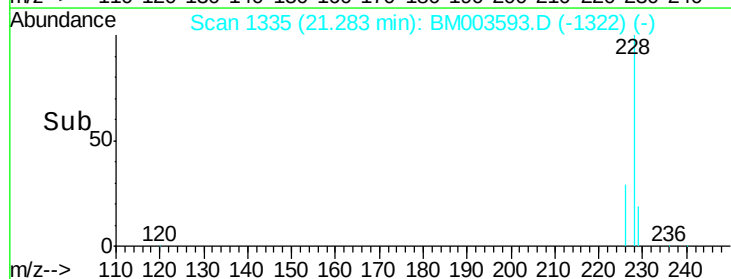
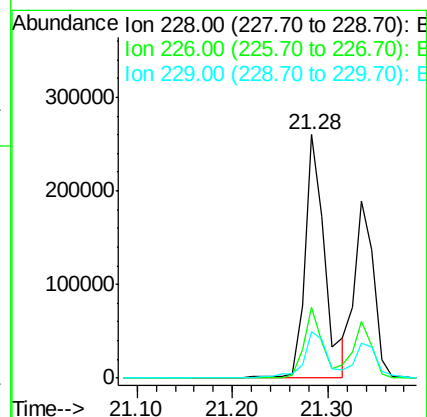
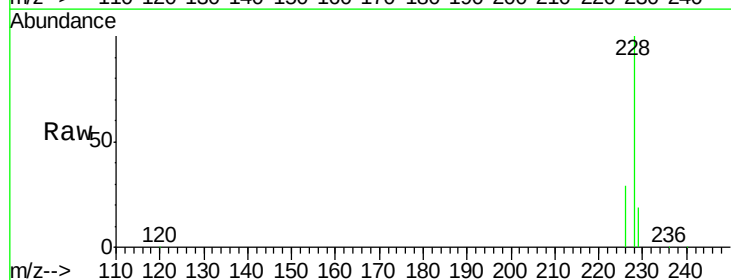
Tgt Ion:228 Resp: 371269

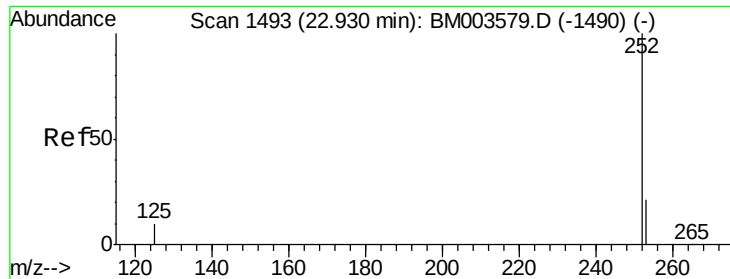
Ion Ratio Lower Upper

228 100

226 29.0 21.2 31.8

229 19.1 17.0 25.6





#24

Benzo(k)fluoranthene

Concen: 0.10 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.05 min

Lab File: BM003593.D

Acq: 17 Dec 2015 00:31

Instrument :

BNA_M

ClientSampleId :

D9N39

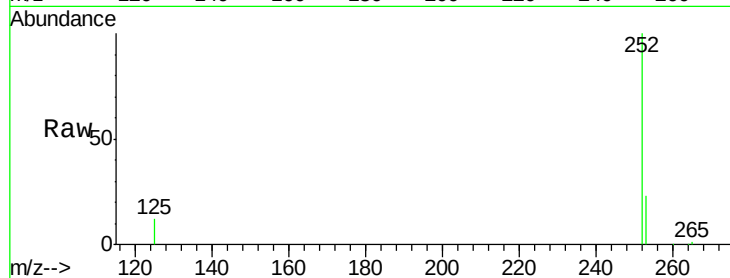
Tgt Ion:252 Resp: 225364

Ion Ratio Lower Upper

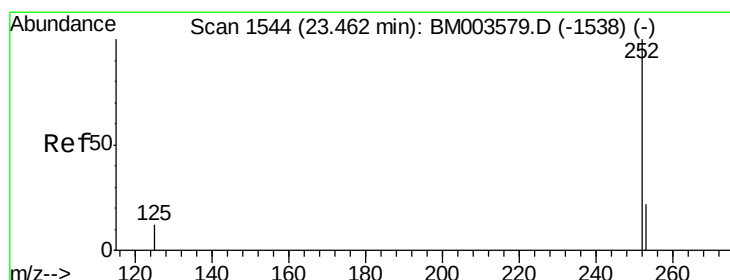
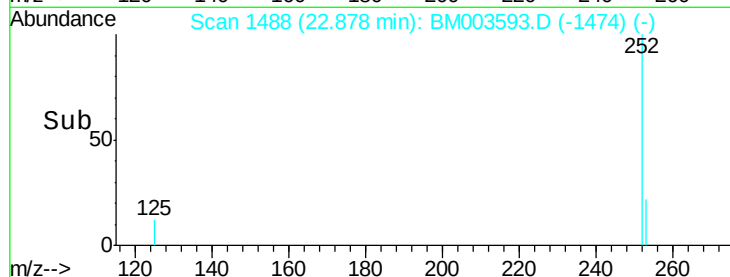
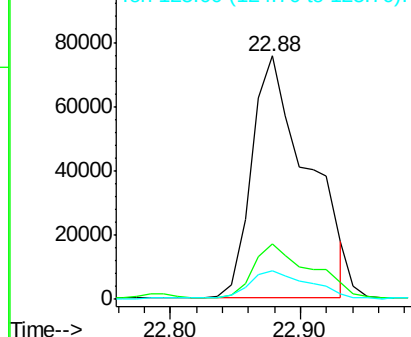
252 100

253 22.8 19.8 29.8

125 11.9 10.4 15.6



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



#25

Benzo(a)pyrene

Concen: 0.03 ng/ul

RT: 23.36 min Scan# 1534

Delta R.T. -0.10 min

Lab File: BM003593.D

Acq: 17 Dec 2015 00:31

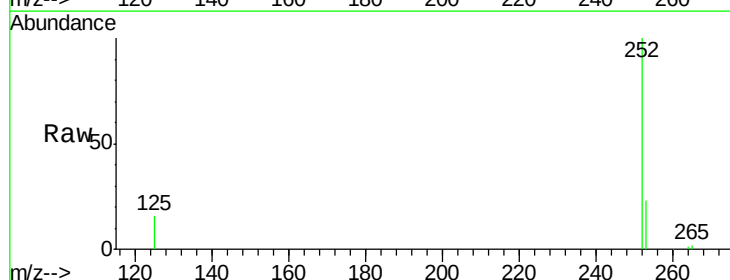
Tgt Ion:252 Resp: 64656

Ion Ratio Lower Upper

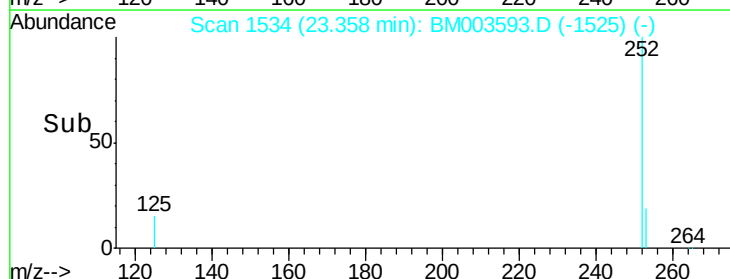
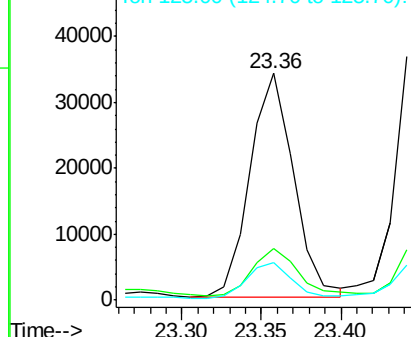
252 100

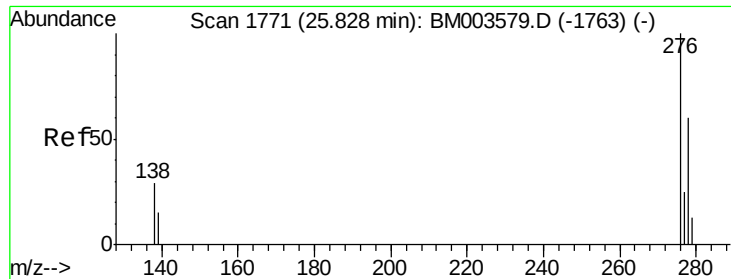
253 23.0 19.4 29.2

125 16.3 12.7 19.1



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





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.65 min Scan# 1754

Delta R.T. -0.18 min

Lab File: BM003593.D

Acq: 17 Dec 2015 00:31

Instrument :

BNA_M

ClientSampleId :

D9N39

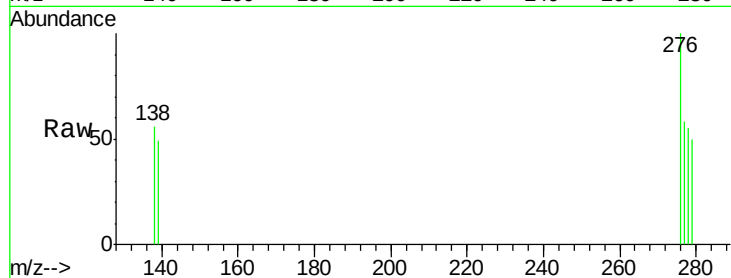
Tgt Ion:276 Resp: 804

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

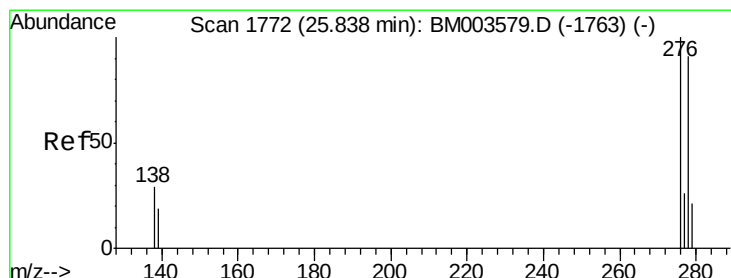
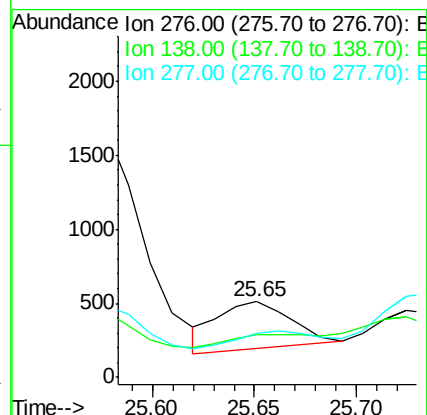
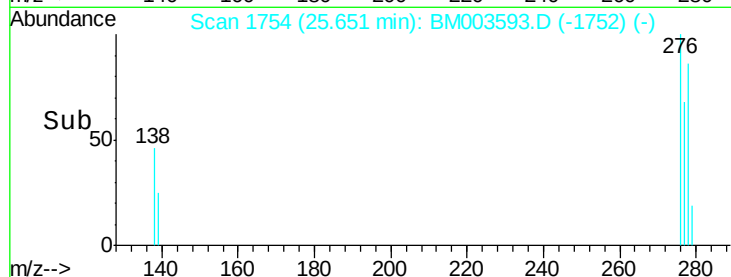
277 60.4 19.8 29.8#



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



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.67 min Scan# 1756

Delta R.T. -0.17 min

Lab File: BM003593.D

Acq: 17 Dec 2015 00:31

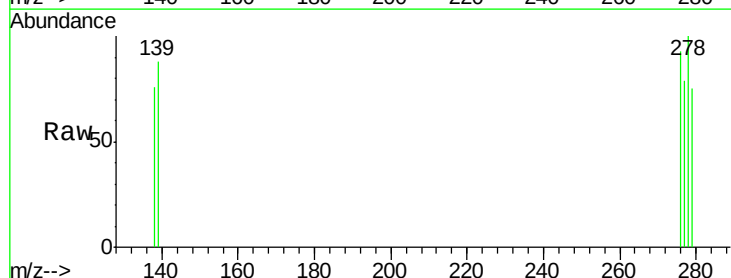
Tgt Ion:278 Resp: 564

Ion Ratio Lower Upper

278 100

139 87.6 16.4 24.6#

279 75.0 20.2 30.2#



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

