

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020615\
 Data File : BM000436.D
 Acq On : 06 Feb 2015 16:33
 Operator : TP/IZ
 Sample : SSTD0.181
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD0.181

Quant Time: Feb 07 00:43:52 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM020615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 07 00:33:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	2056	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	6705	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	4493	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.12	188	8100	0.40	ng/ul	0.00
16) Chrysene-d12	21.32	240	6353	0.40	ng/ul	0.01
20) Perylene-d12	23.56	264	5692	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	933	0.04	ng/ul	0.01
14) Fluoranthene-d10	19.15	212	1863	0.12	ng/ul	0.00

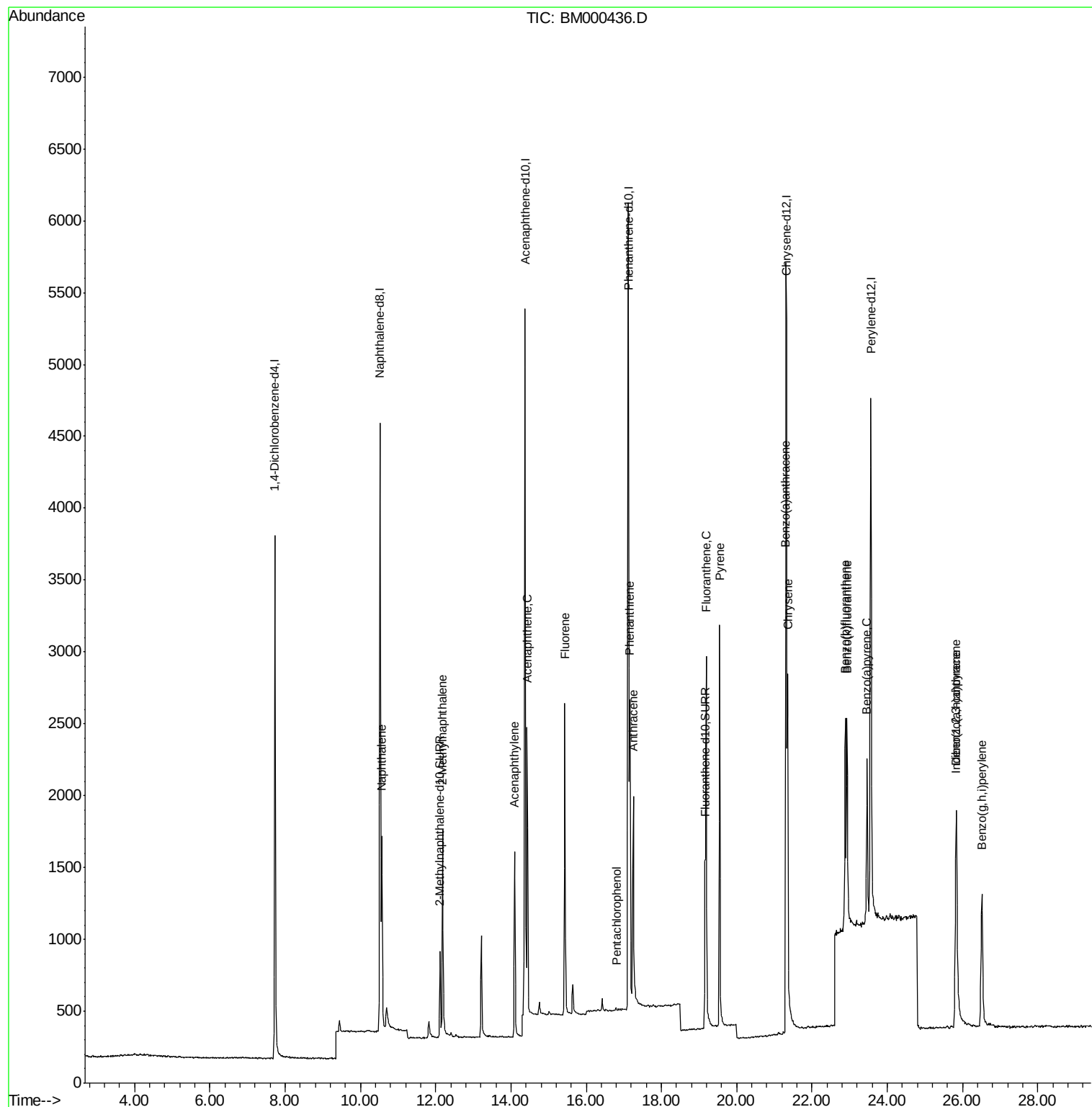
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	1944	0.12	ng/ul#	92
5) 2-Methylnaphthalene	12.19	142	1286	0.13	ng/ul#	100
7) Acenaphthylene	14.10	152	1689	0.03	ng/ul#	91
8) Acenaphthene	14.43	153	1424	0.04	ng/ul	98
9) Fluorene	15.43	166	1661	0.11	ng/ul	96
11) Pentachlorophenol	16.81	266	25	0.07	ng/ul#	100
12) Phenanthrene	17.16	178	2639	0.04	ng/ul	92
13) Anthracene	17.26	178	2279	0.03	ng/ul#	90
15) Fluoranthene	19.19	202	2871	0.04	ng/ul	95
17) Pyrene	19.55	202	2925	0.05	ng/ul	95
18) Benzo(a)anthracene	21.30	228	2073	0.04	ng/ul#	92
19) Chrysene	21.35	228	2604	0.05	ng/ul#	93
21) Benzo(b)fluoranthene	22.89	252	2242	0.02	ng/ul	73
22) Benzo(k)fluoranthene	22.93	252	2342	0.02	ng/ul#	76
23) Benzo(a)pyrene	23.46	252	2092	0.02	ng/ul#	65
24) Indeno(1,2,3-cd)pyrene	25.83	276	2464	0.06	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.84	278	1922	0.15	ng/ul#	76
26) Benzo(g,h,i)perylene	26.51	276	2170	0.05	ng/ul#	87

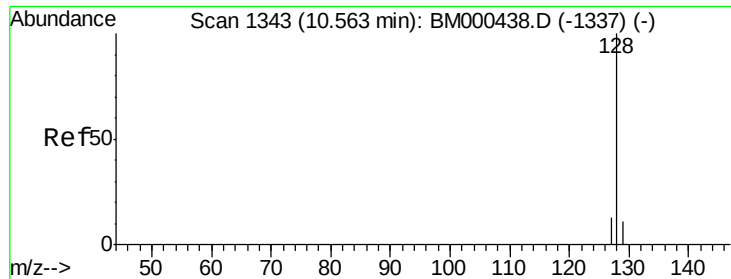
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.12 ng/ul

RT: 10.56 min Scan# 1343

Delta R.T. -0.00 min

Lab File: BM000436.D

Acq: 06 Feb 2015 16:33

Instrument :

BNA_M

LabSampleId :

SSTD0.181

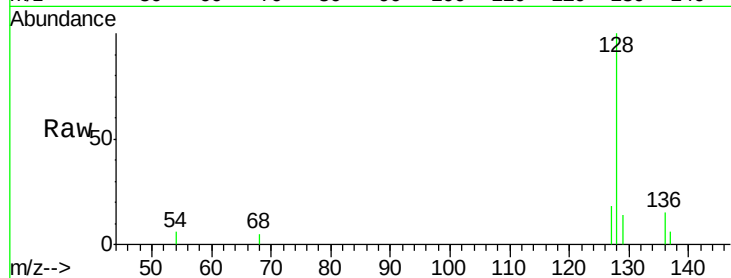
Tgt Ion:128 Resp: 1944

Ion Ratio Lower Upper

128 100

129 14.5 9.4 14.0#

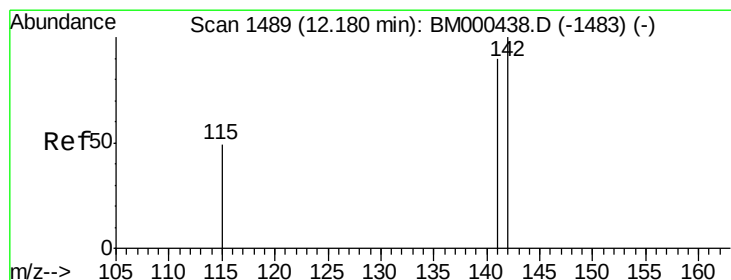
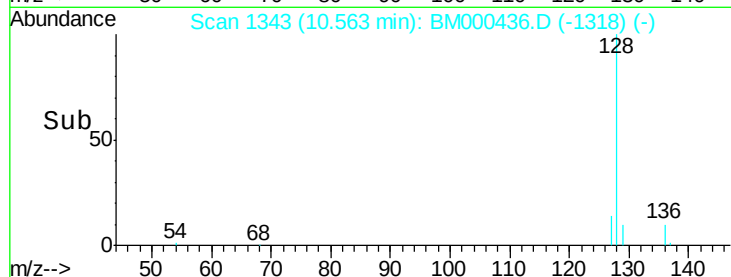
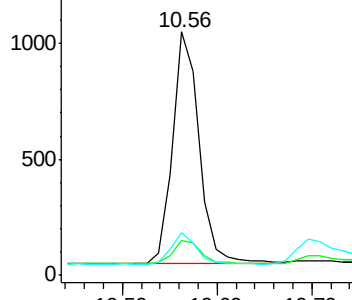
127 17.8 11.4 17.0#



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: 0.13 ng/ul

RT: 12.19 min Scan# 1490

Delta R.T. 0.01 min

Lab File: BM000436.D

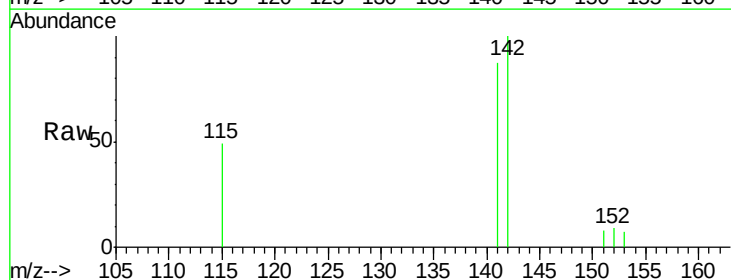
Acq: 06 Feb 2015 16:33

Tgt Ion:142 Resp: 1286

Ion Ratio Lower Upper

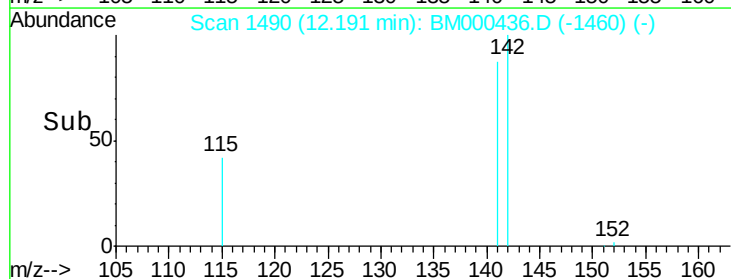
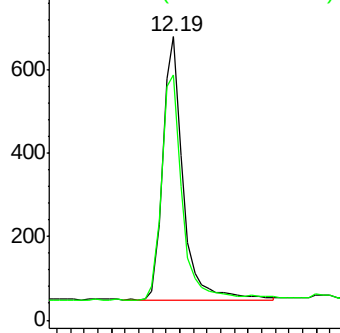
142 100

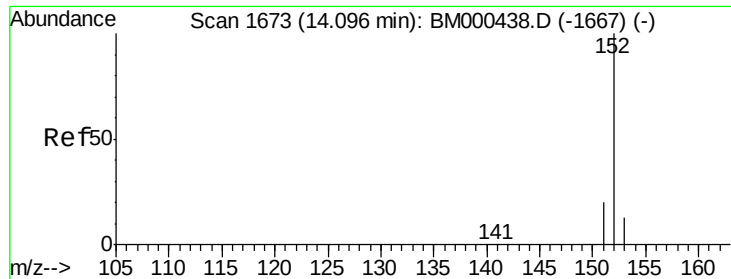
141 87.2 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.10 min Scan# 1673

Delta R.T. -0.00 min

Lab File: BM000436.D

Acq: 06 Feb 2015 16:33

Instrument :

BNA_M

LabSampleId :

SSTD0.181

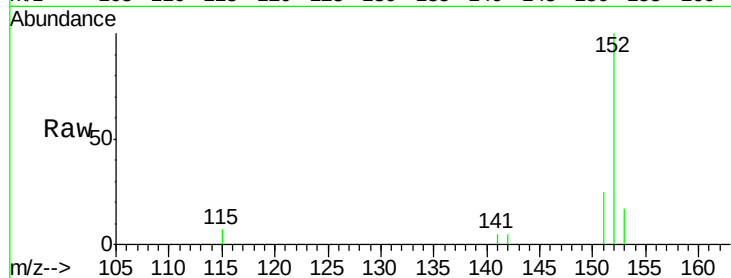
Tgt Ion:152 Resp: 1689

Ion Ratio Lower Upper

152 100

151 25.4 16.9 25.3#

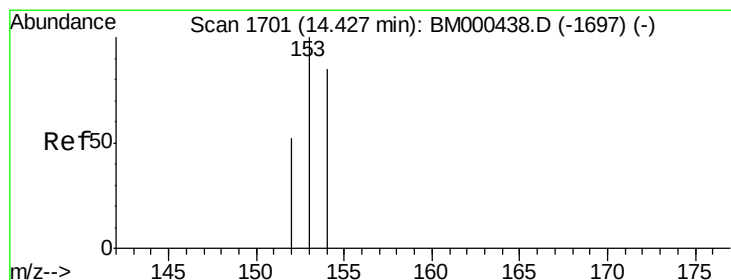
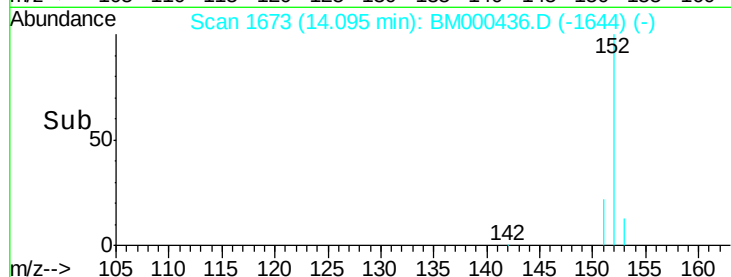
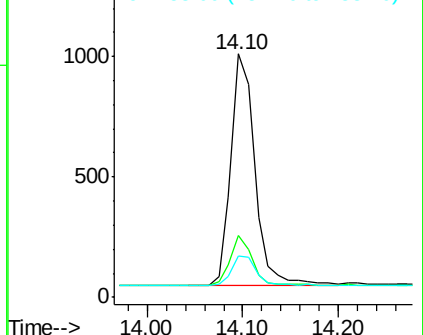
153 16.9 11.0 16.6#



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



#8

Acenaphthene

Concen: 0.04 ng/ul

RT: 14.43 min Scan# 1701

Delta R.T. -0.00 min

Lab File: BM000436.D

Acq: 06 Feb 2015 16:33

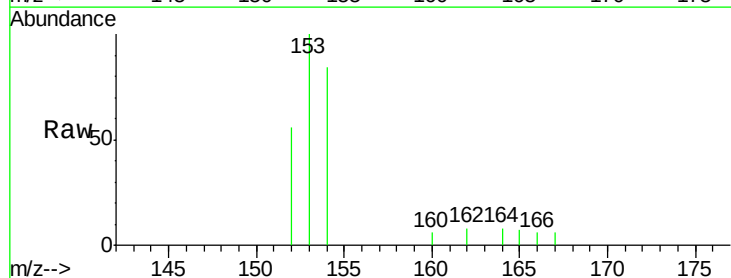
Tgt Ion:153 Resp: 1424

Ion Ratio Lower Upper

153 100

152 56.3 42.4 63.6

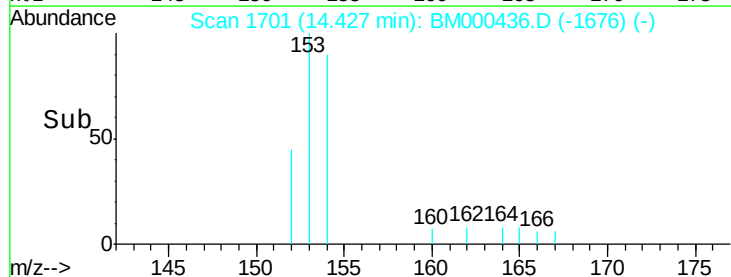
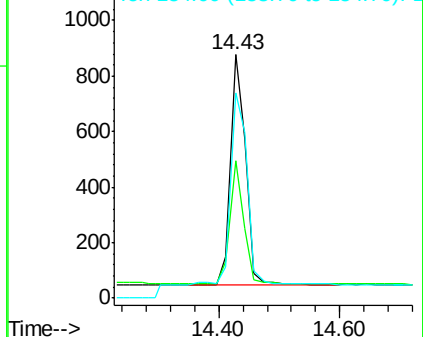
154 84.3 68.2 102.4

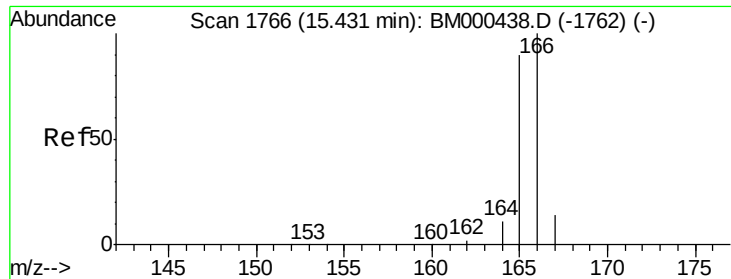


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.11 ng/ul

RT: 15.43 min Scan# 1766

Delta R.T. -0.00 min

Lab File: BM000436.D

Acq: 06 Feb 2015 16:33

Instrument :

BNA_M

LabSampleId :

SSTD0.181

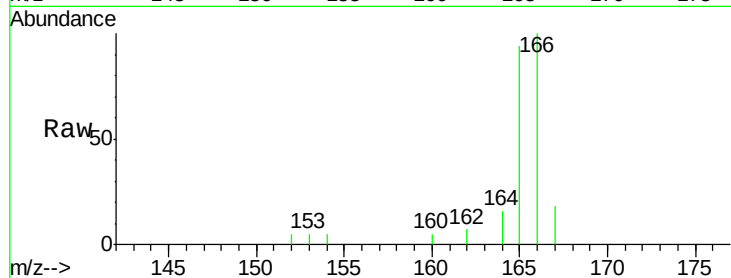
Tgt Ion:166 Resp: 1661

Ion Ratio Lower Upper

166 100

165 94.0 72.6 108.8

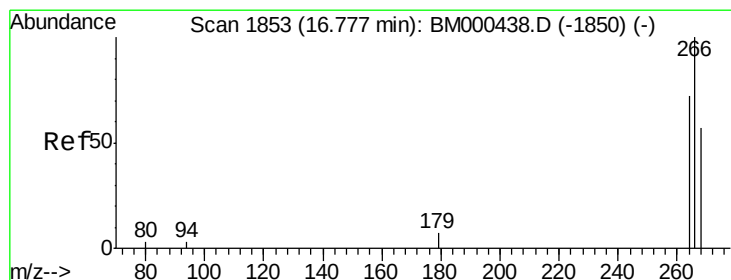
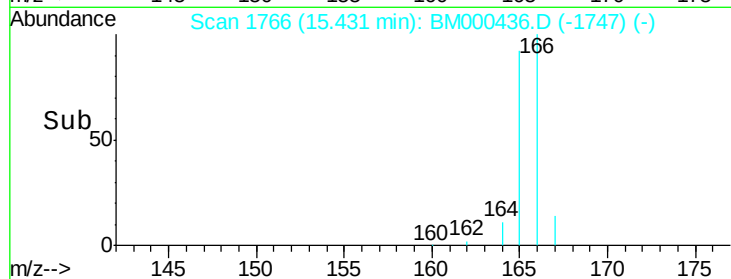
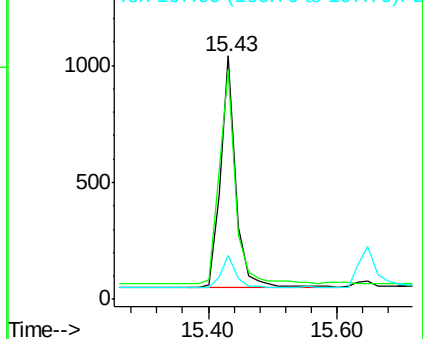
167 18.0 12.2 18.2



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



#11

Pentachlorophenol

Concen: 0.07 ng/ul

RT: 16.81 min Scan# 1855

Delta R.T. 0.03 min

Lab File: BM000436.D

Acq: 06 Feb 2015 16:33

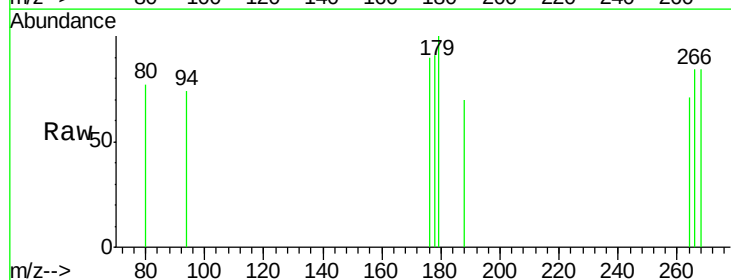
Tgt Ion:266 Resp: 25

Ion Ratio Lower Upper

266 100

264 0.0 0.0 0.0

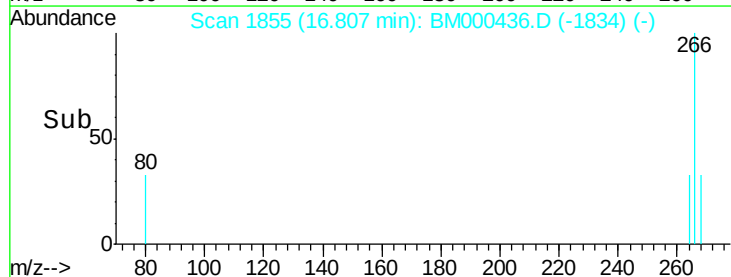
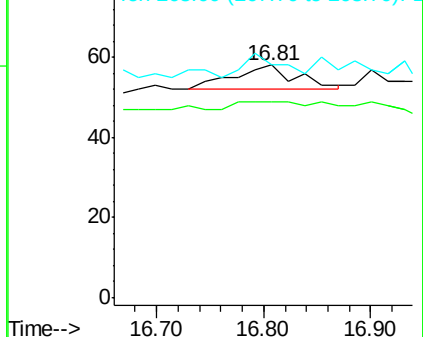
268 0.0 0.0 0.0

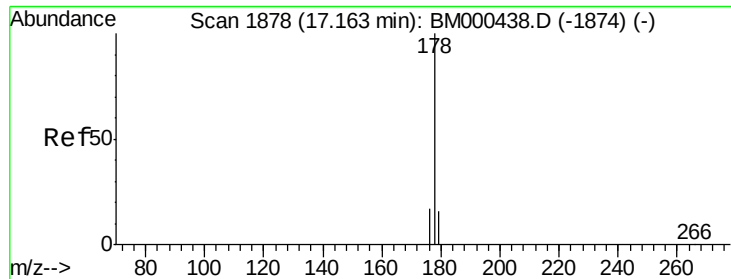


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.04 ng/ul

RT: 17.16 min Scan# 1878

Delta R.T. -0.00 min

Lab File: BM000436.D

Acq: 06 Feb 2015 16:33

Instrument :

BNA_M

LabSampleId :

SSTD0.181

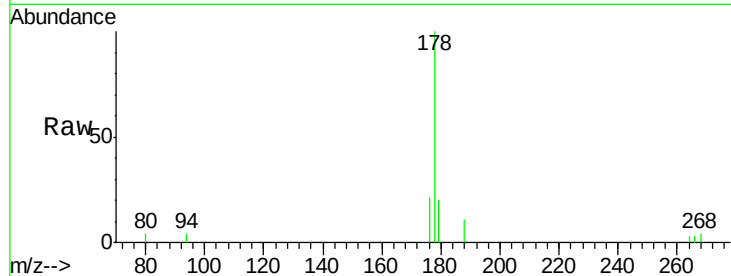
Tgt Ion:178 Resp: 2639

Ion Ratio Lower Upper

178 100

176 21.4 14.3 21.5

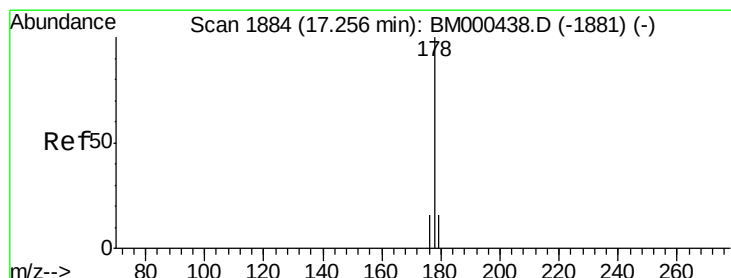
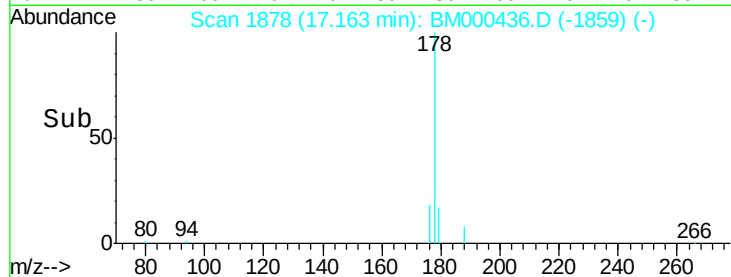
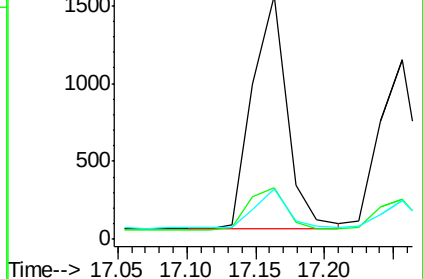
179 20.5 13.7 20.5



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: 0.03 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BM000436.D

Acq: 06 Feb 2015 16:33

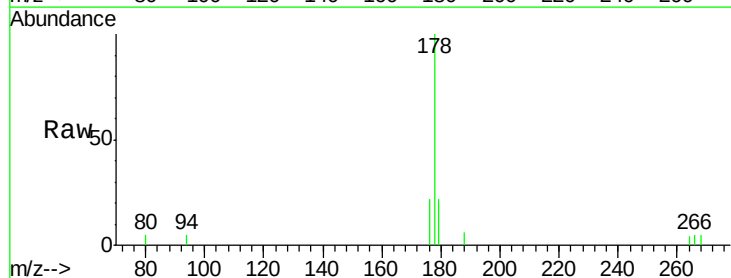
Tgt Ion:178 Resp: 2279

Ion Ratio Lower Upper

178 100

176 22.1 14.0 21.0#

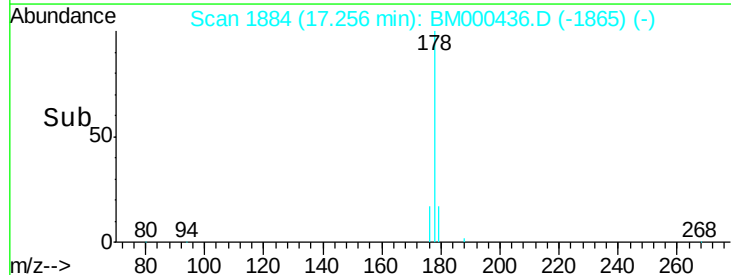
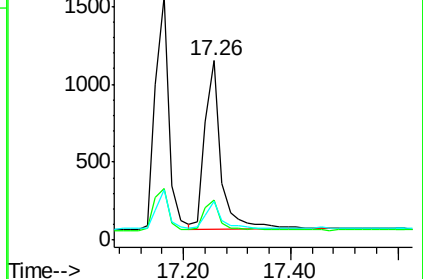
179 21.7 14.1 21.1#

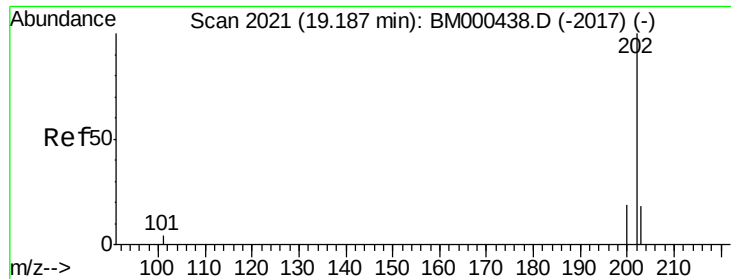


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

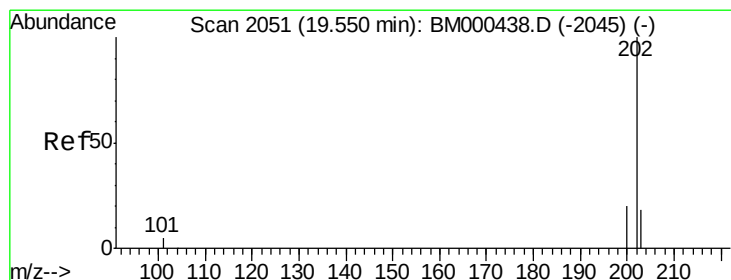
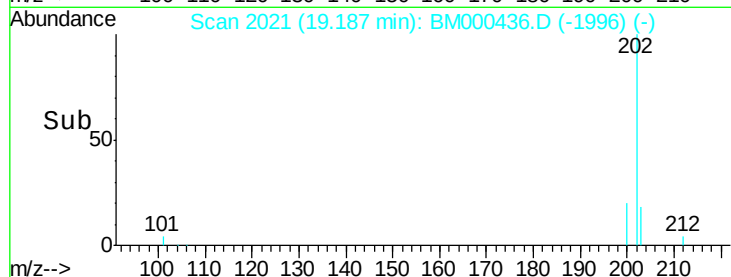
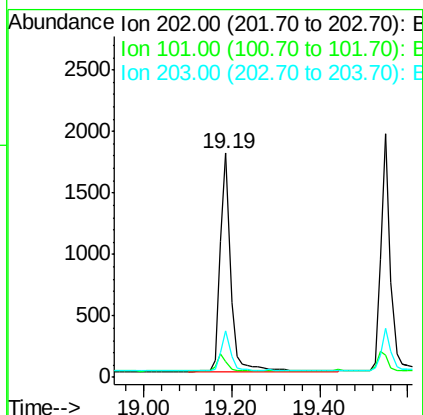
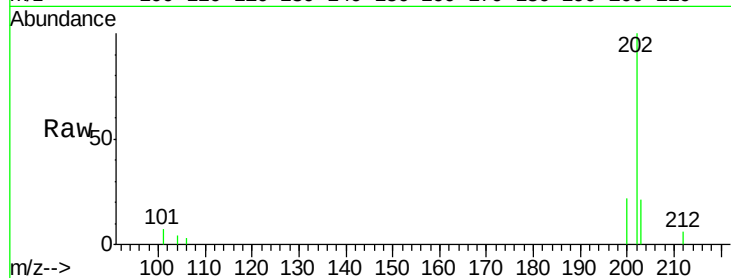




#15
Fluoranthene
Concen: 0.04 ng/ul
RT: 19.19 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BM000436.D
Acq: 06 Feb 2015 16:33

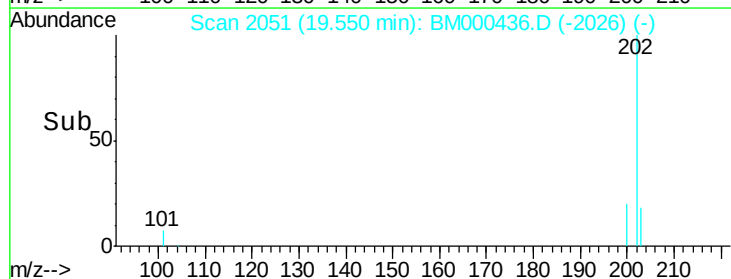
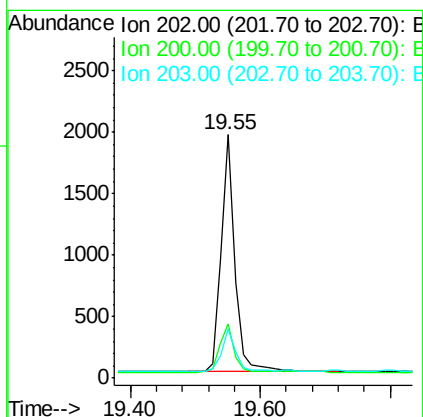
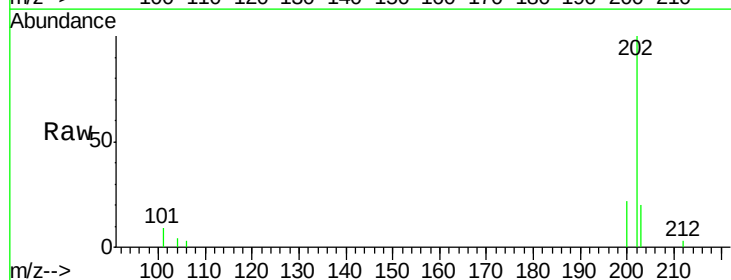
Instrument :
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SSTD0.181

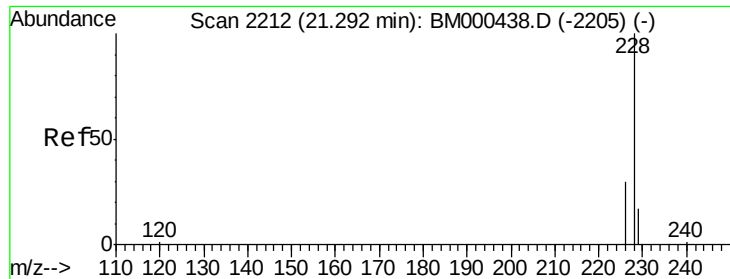
Tgt Ion:202 Resp: 2871
Ion Ratio Lower Upper
202 100
101 7.1 0.0 24.8
203 20.6 0.0 38.9



#17
Pyrene
Concen: 0.05 ng/ul
RT: 19.55 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BM000436.D
Acq: 06 Feb 2015 16:33

Tgt Ion:202 Resp: 2925
Ion Ratio Lower Upper
202 100
200 22.3 16.0 24.0
203 20.4 14.7 22.1





#18

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 21.30 min Scan# 2213

Delta R.T. 0.01 min

Lab File: BM000436.D

Acq: 06 Feb 2015 16:33

Instrument :

BNA_M

LabSampleId :

SSTD0.181

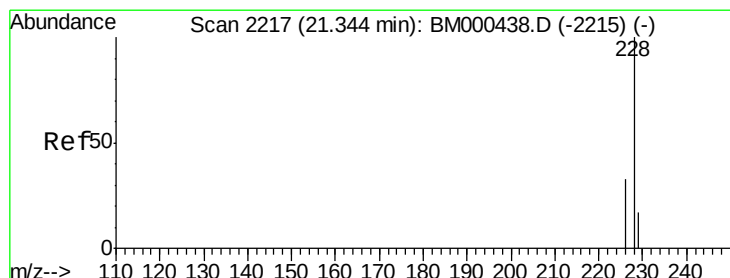
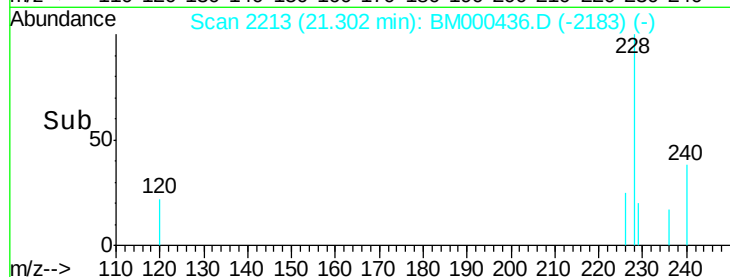
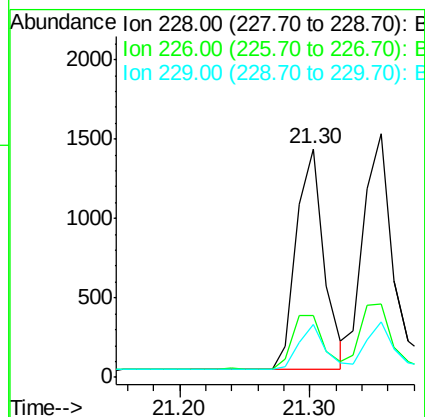
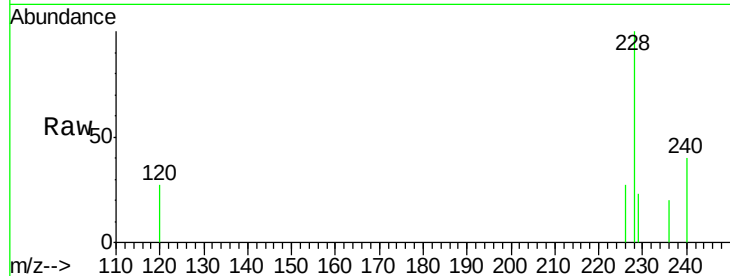
Tgt Ion:228 Resp: 2073

Ion Ratio Lower Upper

228 100

226 27.2 24.6 36.8

229 23.2 14.3 21.5#



#19

Chrysene

Concen: 0.05 ng/ul

RT: 21.35 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BM000436.D

Acq: 06 Feb 2015 16:33

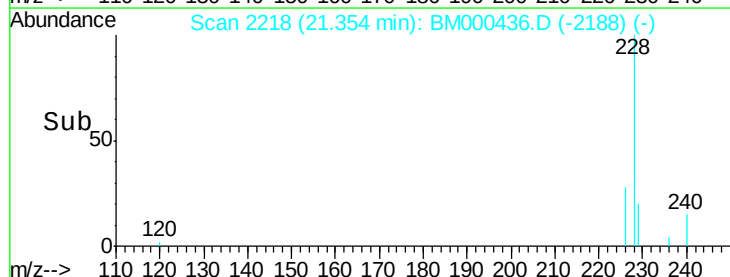
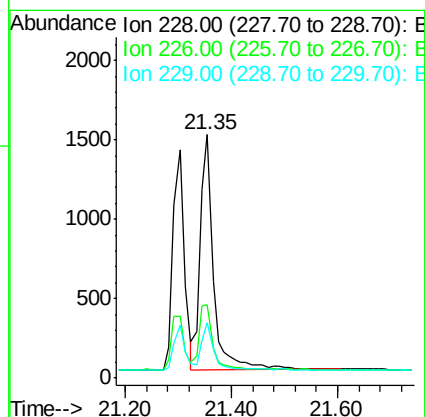
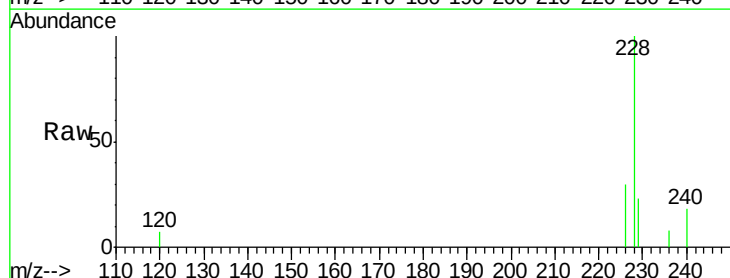
Tgt Ion:228 Resp: 2604

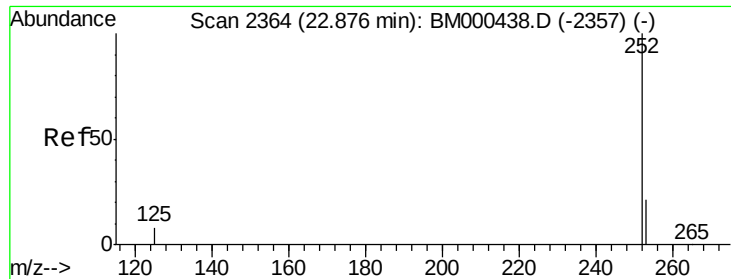
Ion Ratio Lower Upper

228 100

226 30.1 26.4 39.6

229 22.9 14.4 21.6#





#21

Benzo(b)fluoranthene

Concen: 0.02 ng/ul

RT: 22.89 min Scan# 2365

Delta R.T. 0.01 min

Lab File: BM000436.D

Acq: 06 Feb 2015 16:33

Instrument :

BNA_M

LabSampleId :

SSTD0.181

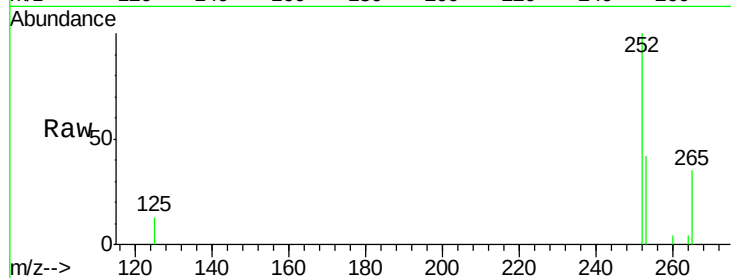
Tgt Ion:252 Resp: 2242

Ion Ratio Lower Upper

252 100

253 42.4 0.0 51.2

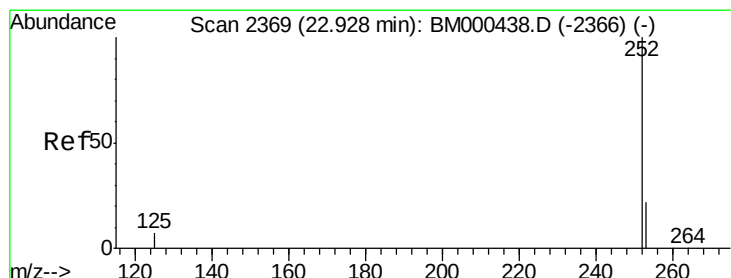
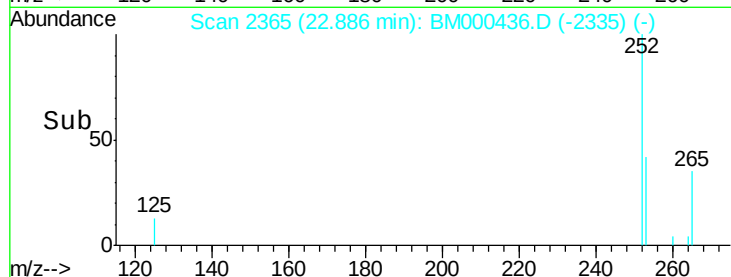
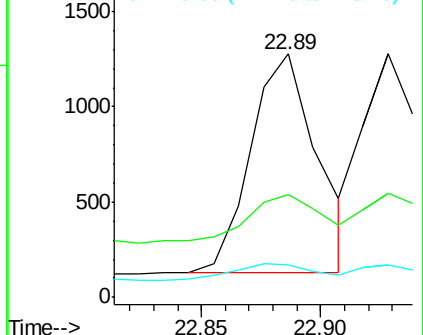
125 13.2 0.0 19.2



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: 0.02 ng/ul

RT: 22.93 min Scan# 2369

Delta R.T. -0.00 min

Lab File: BM000436.D

Acq: 06 Feb 2015 16:33

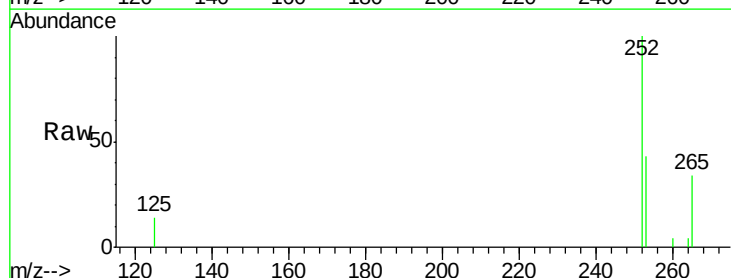
Tgt Ion:252 Resp: 2342

Ion Ratio Lower Upper

252 100

253 42.6 22.6 34.0#

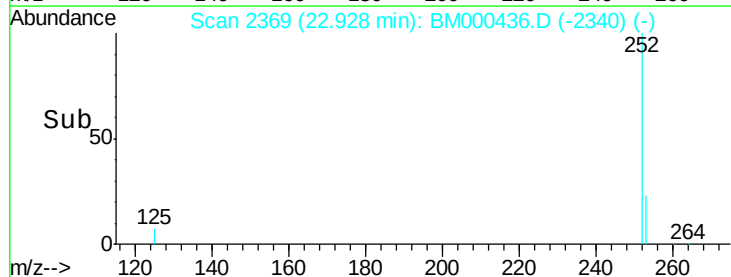
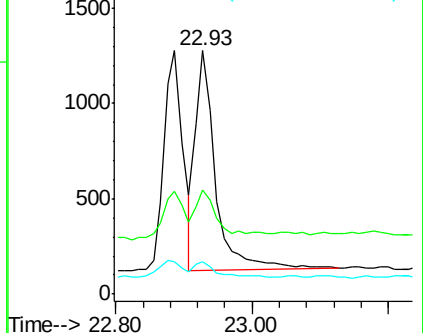
125 13.5 7.0 10.6#

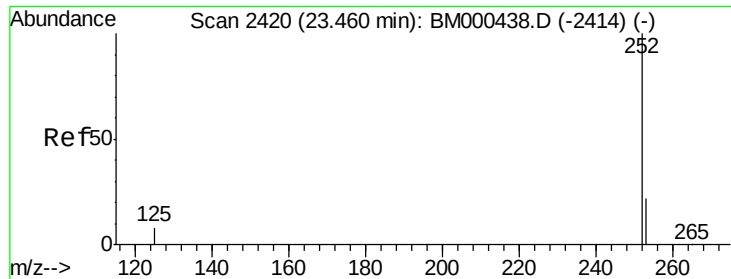


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.02 ng/ul

RT: 23.46 min Scan# 2420

Delta R.T. -0.00 min

Lab File: BM000436.D

Acq: 06 Feb 2015 16:33

Instrument :

BNA_M

LabSampleId :

SSTD0.181

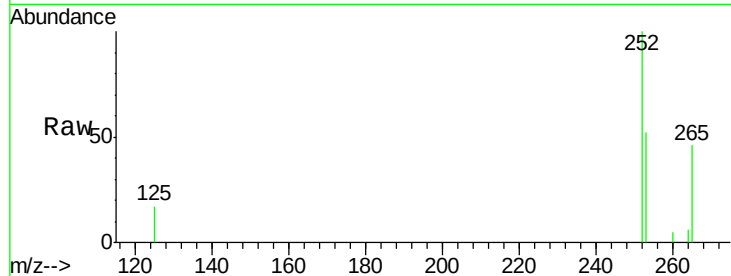
Tgt Ion:252 Resp: 2092

Ion Ratio Lower Upper

252 100

253 52.3 24.2 36.4#

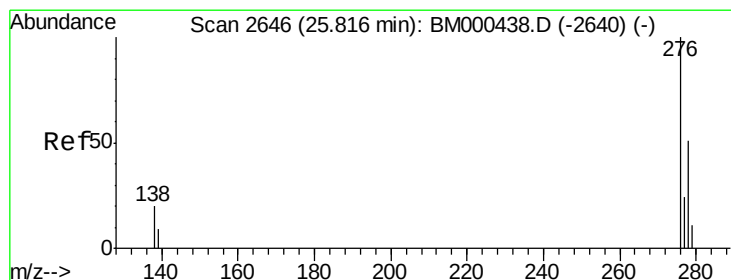
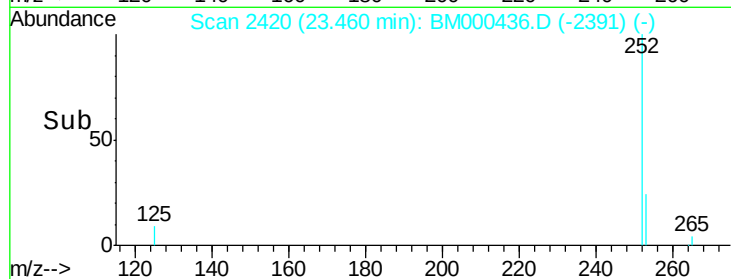
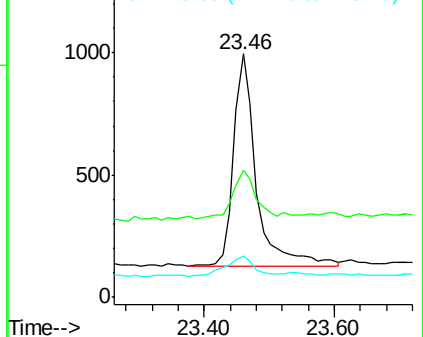
125 17.0 7.8 11.8#



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: 0.06 ng/ul

RT: 25.83 min Scan# 2647

Delta R.T. 0.01 min

Lab File: BM000436.D

Acq: 06 Feb 2015 16:33

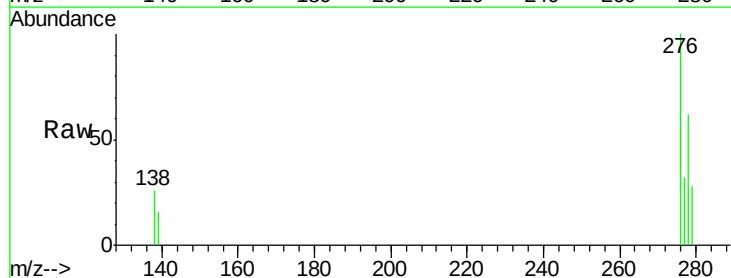
Tgt Ion:276 Resp: 2464

Ion Ratio Lower Upper

276 100

138 20.0 0.1 0.1#

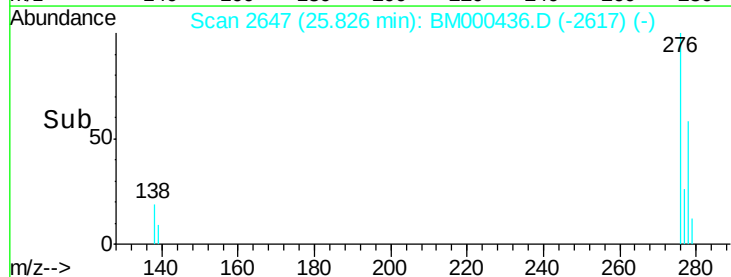
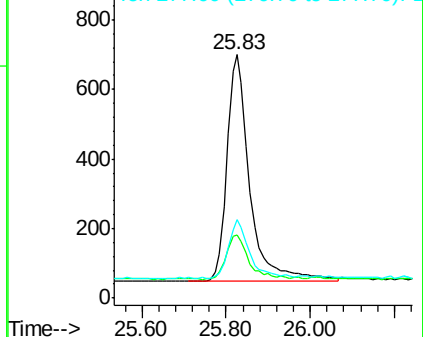
277 24.9 0.0 0.0#

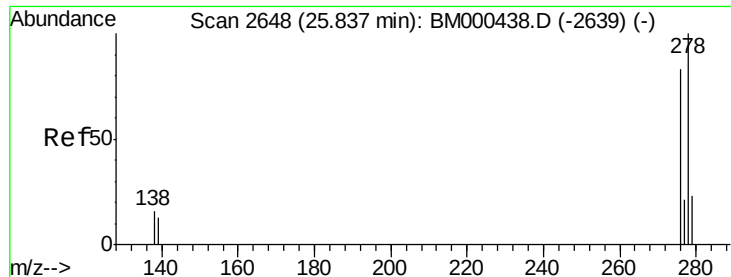


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.15 ng/ul

RT: 25.84 min Scan# 2648

Delta R.T. -0.00 min

Lab File: BM000436.D

Acq: 06 Feb 2015 16:33

Instrument :

BNA_M

LabSampleId :

SSTD0.181

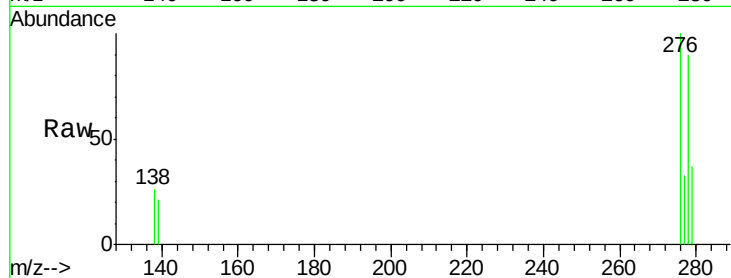
Tgt Ion:278 Resp: 1922

Ion Ratio Lower Upper

278 100

139 23.2 11.8 17.8#

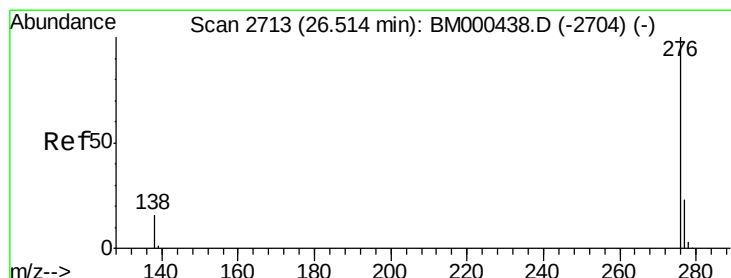
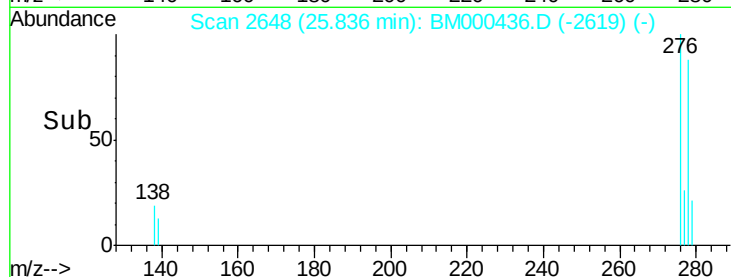
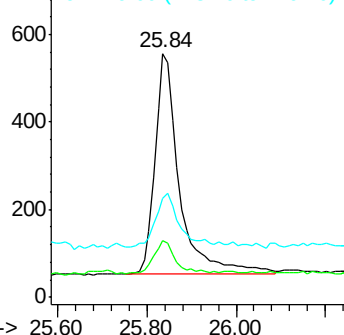
279 40.6 21.8 32.8#



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: 0.05 ng/ul

RT: 26.51 min Scan# 2713

Delta R.T. -0.00 min

Lab File: BM000436.D

Acq: 06 Feb 2015 16:33

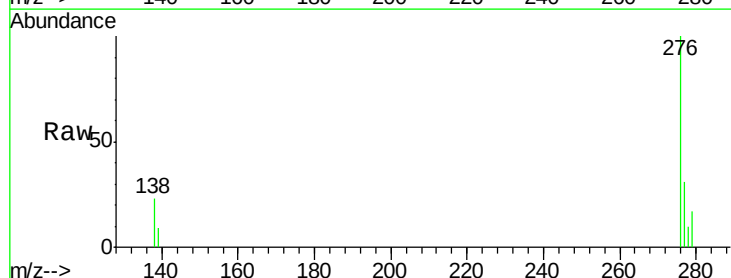
Tgt Ion:276 Resp: 2170

Ion Ratio Lower Upper

276 100

277 30.6 19.5 29.3#

138 23.2 14.1 21.1#



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

