

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010715\
 Data File : BM000123.D
 Acq On : 07 Jan 2015 11:43
 Operator : TP/IZ
 Sample : SST0.817
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST0.817

Quant Time: Jan 08 01:41:42 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 08 01:34:24 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3156	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	10457	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	6054	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	10681	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	9058	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	8098	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.22	152	11316	0.82	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	18499	0.81	ng/ul	0.00

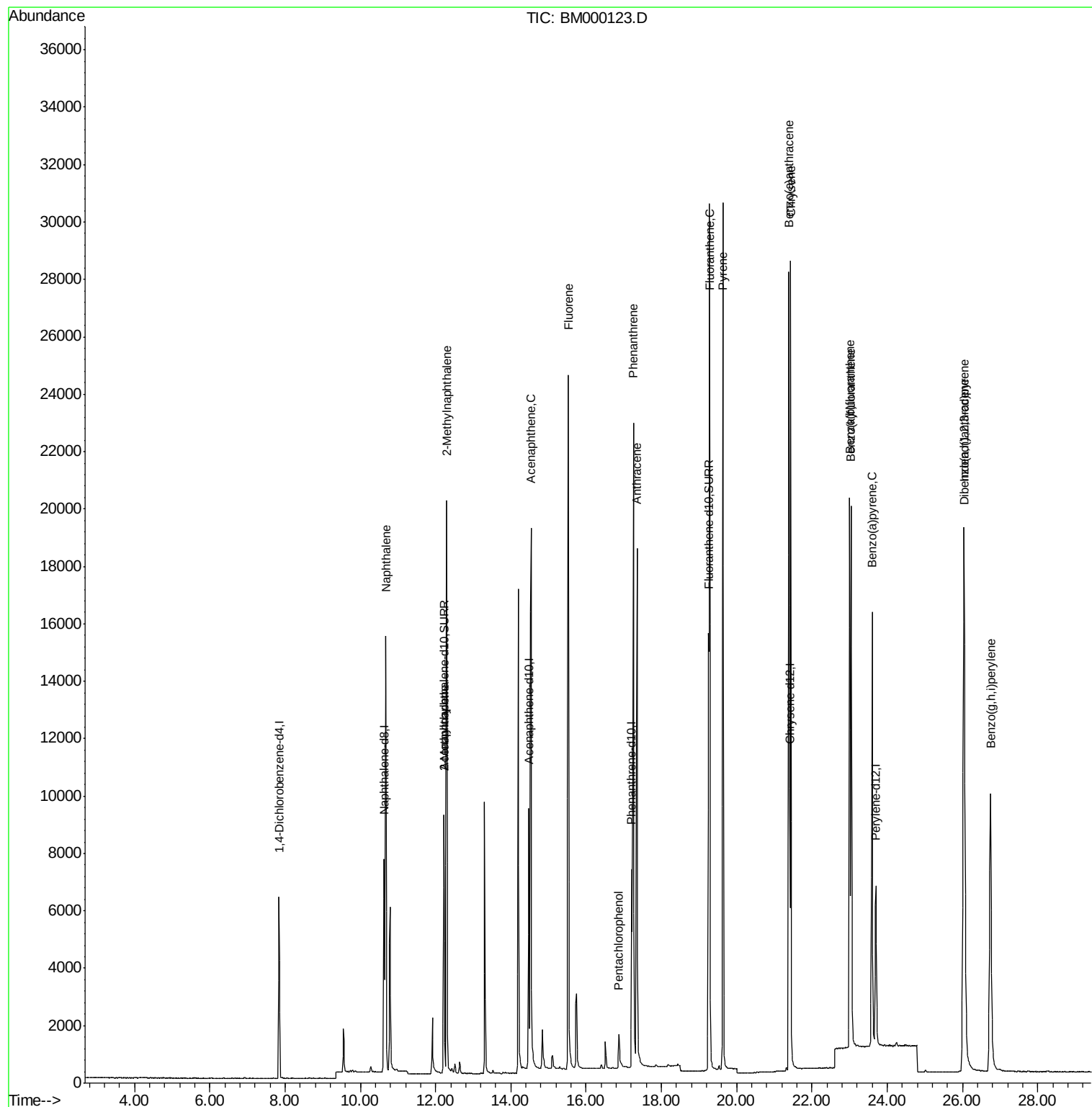
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.68	128	22755	0.81	ng/ul	99
5) 2-Methylnaphthalene	12.30	142	15193	0.82	ng/ul	100
7) Acenaphthylene	12.22	152	11316	0.83	ng/ul	98
8) Acenaphthene	14.54	153	15497	0.82	ng/ul	99
9) Fluorene	15.52	166	17756	0.82	ng/ul	97
11) Pentachlorophenol	16.87	266	1309	0.78	ng/ul	97
12) Phenanthrene	17.26	178	26754	0.81	ng/ul	99
13) Anthracene	17.35	178	25535	0.83	ng/ul	98
15) Fluoranthene	19.27	202	29261	0.81	ng/ul	98
17) Pyrene	19.64	202	29921	0.79	ng/ul	99
18) Benzo(a)anthracene	21.39	228	24405	0.82	ng/ul	97
19) Chrysene	21.44	228	26551	0.81	ng/ul	97
21) Benzo(b)fluoranthene	23.00	252	26503	0.83	ng/ul	98
22) Benzo(k)fluoranthene	23.04	252	24812	0.82	ng/ul	95
23) Benzo(a)pyrene	23.60	252	24195	0.84	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	26.03	276	28109	0.85	ng/ul	100
25) Dibenzo(a,h)anthracene	26.05	278	22598	0.86	ng/ul	97
26) Benzo(g,h,i)perylene	26.74	276	24426	0.84	ng/ul	99

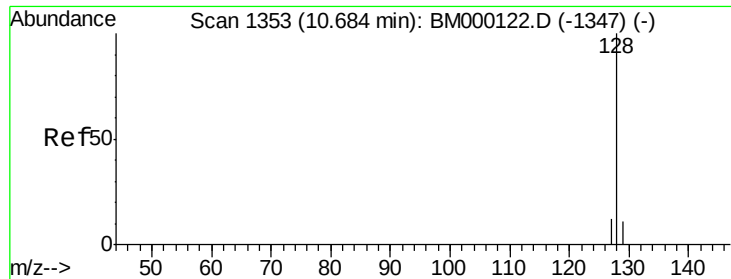
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.81 ng/ul

RT: 10.68 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BM000123.D

Acq: 07 Jan 2015 11:43

Instrument :

BNA_M

ClientSampleId :

SSTD0.817

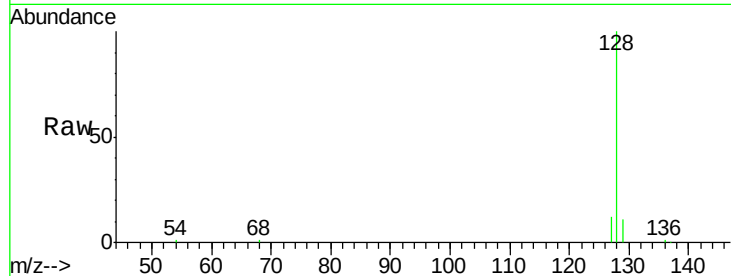
Tgt Ion:128 Resp: 22755

Ion Ratio Lower Upper

128 100

129 11.4 9.5 14.3

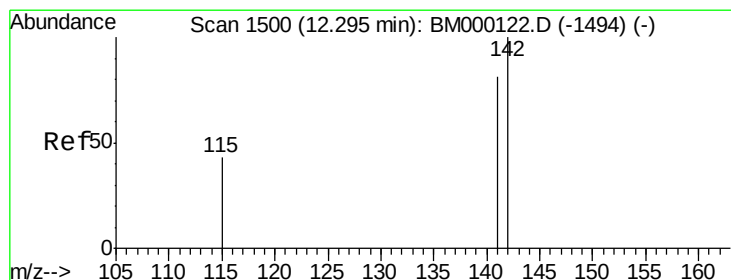
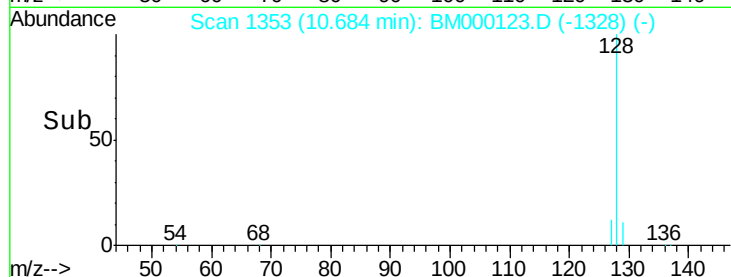
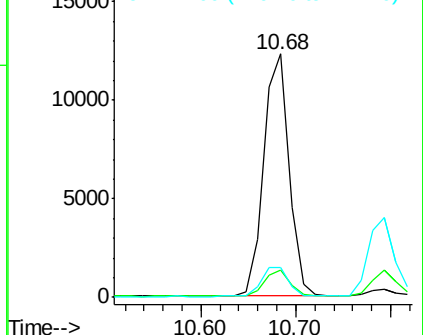
127 12.5 10.4 15.6



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



#5

2-Methylnaphthalene

Concen: 0.82 ng/ul

RT: 12.30 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BM000123.D

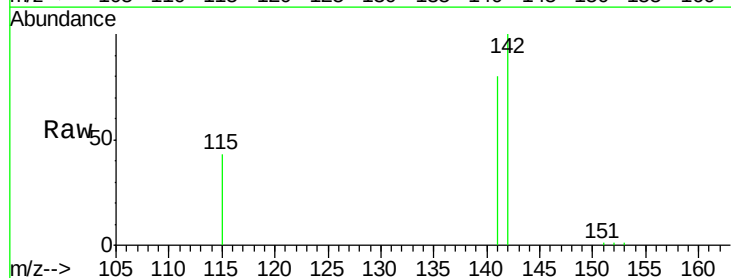
Acq: 07 Jan 2015 11:43

Tgt Ion:142 Resp: 15193

Ion Ratio Lower Upper

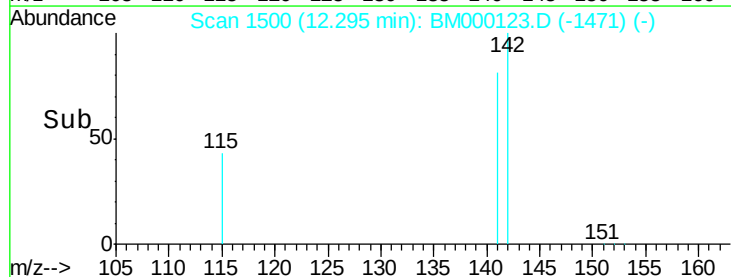
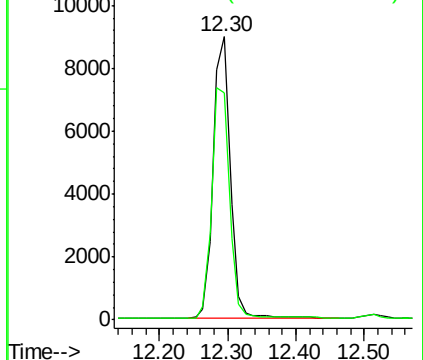
142 100

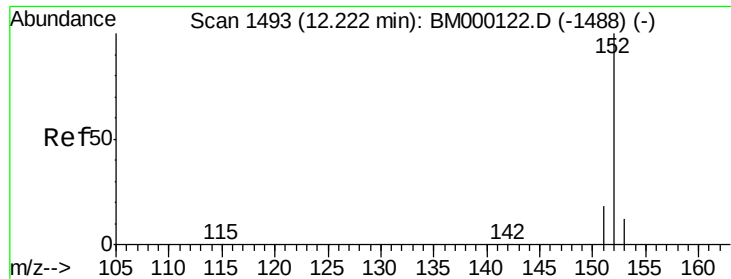
141 85.9 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.83 ng/ul

RT: 12.22 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BM000123.D

Acq: 07 Jan 2015 11:43

Instrument :

BNA_M

ClientSampleId :

SSTD0.817

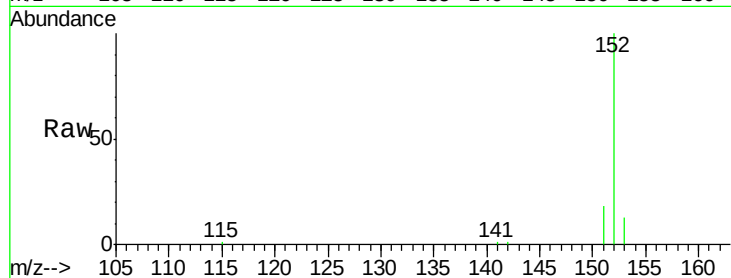
Tgt Ion:152 Resp: 11316

Ion Ratio Lower Upper

152 100

151 18.1 15.4 23.2

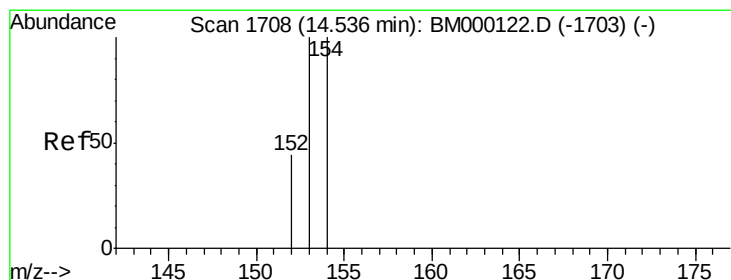
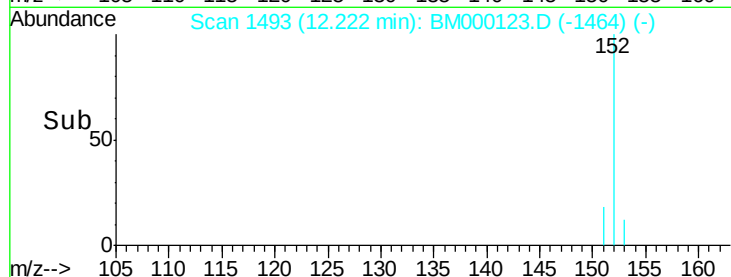
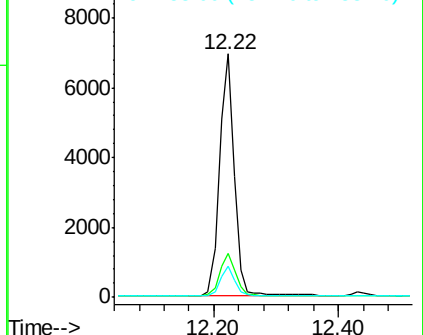
153 12.8 11.0 16.4



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



#8

Acenaphthene

Concen: 0.82 ng/ul

RT: 14.54 min Scan# 1708

Delta R.T. 0.00 min

Lab File: BM000123.D

Acq: 07 Jan 2015 11:43

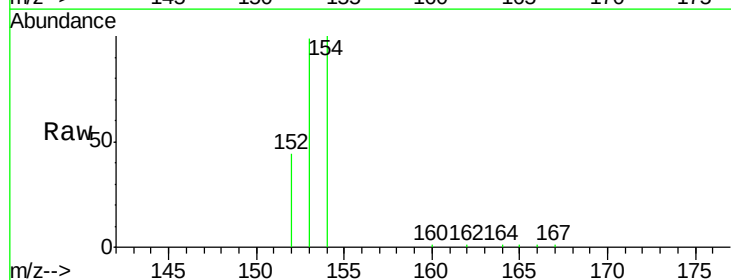
Tgt Ion:153 Resp: 15497

Ion Ratio Lower Upper

153 100

152 44.6 35.8 53.6

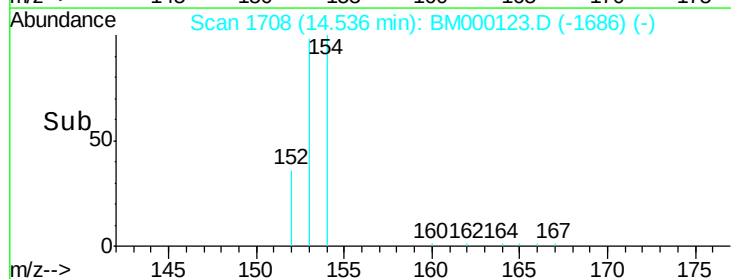
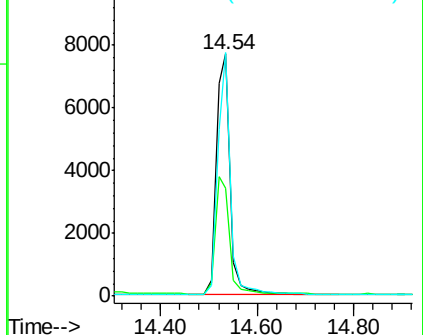
154 100.7 79.9 119.9

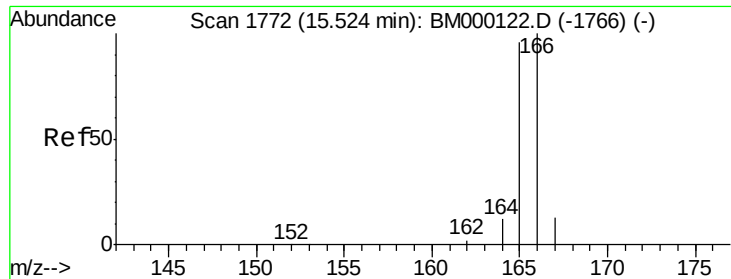


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.82 ng/ul

RT: 15.52 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BM000123.D

Acq: 07 Jan 2015 11:43

Instrument :

BNA_M

ClientSampleId :

SSTD0.817

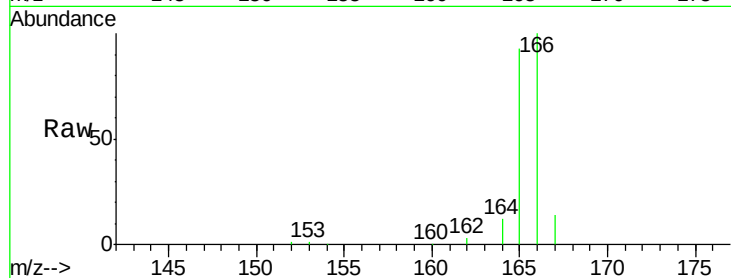
Tgt Ion:166 Resp: 17756

Ion Ratio Lower Upper

166 100

165 92.6 77.0 115.4

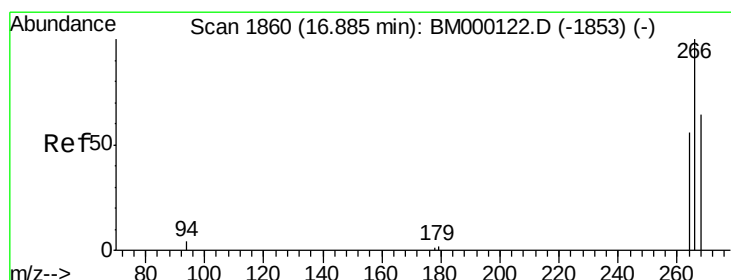
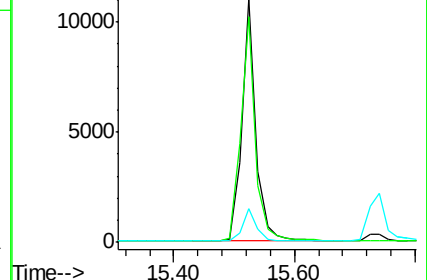
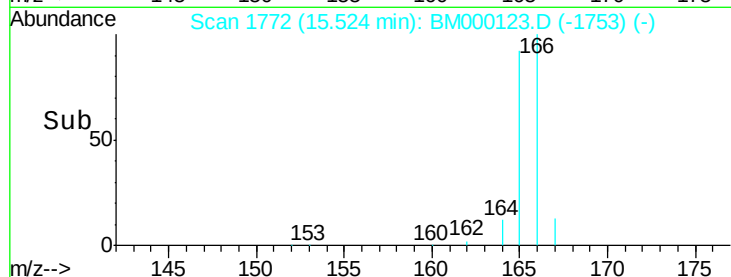
167 13.9 11.0 16.6



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: 0.78 ng/ul

RT: 16.87 min Scan# 1859

Delta R.T. -0.02 min

Lab File: BM000123.D

Acq: 07 Jan 2015 11:43

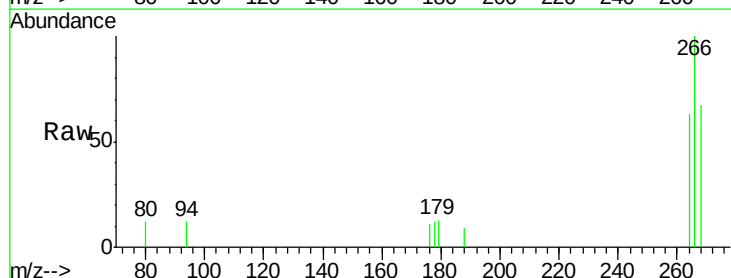
Tgt Ion:266 Resp: 1309

Ion Ratio Lower Upper

266 100

264 65.5 53.9 80.9

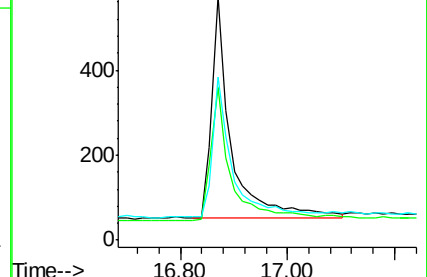
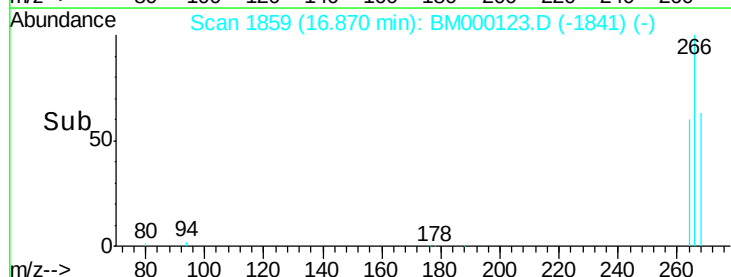
268 64.0 49.2 73.8

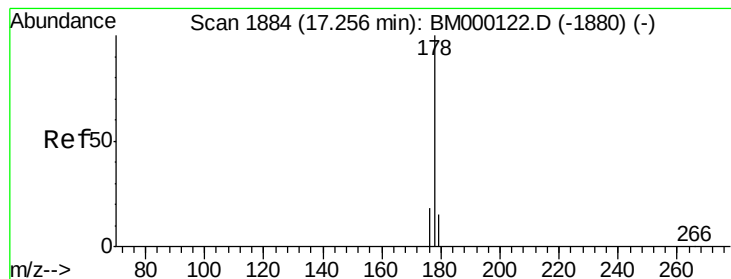


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.81 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM000123.D

Acq: 07 Jan 2015 11:43

Instrument :

BNA_M

ClientSampleId :

SSTD0.817

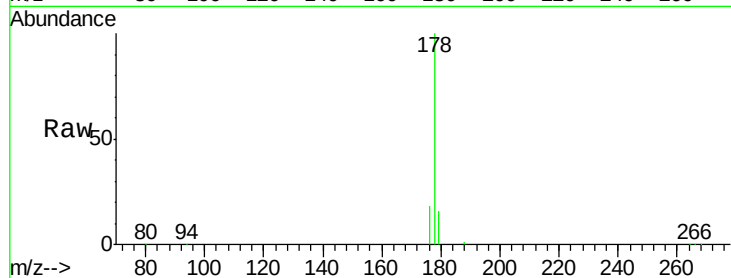
Tgt Ion:178 Resp: 26754

Ion Ratio Lower Upper

178 100

176 18.1 15.1 22.7

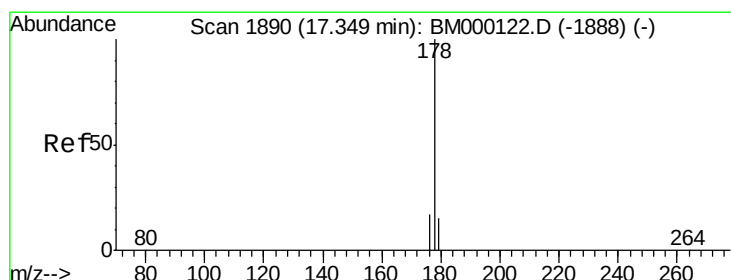
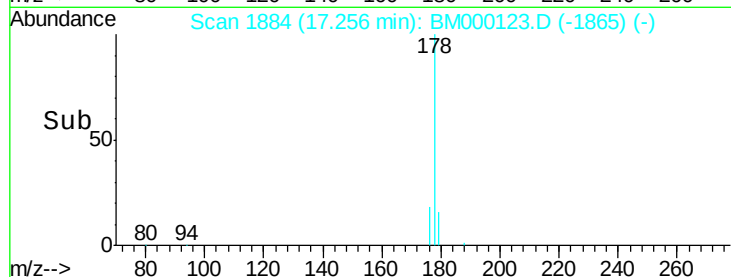
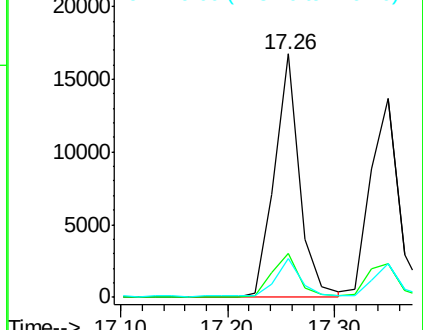
179 16.0 13.0 19.4



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



#13

Anthracene

Concen: 0.83 ng/ul

RT: 17.35 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BM000123.D

Acq: 07 Jan 2015 11:43

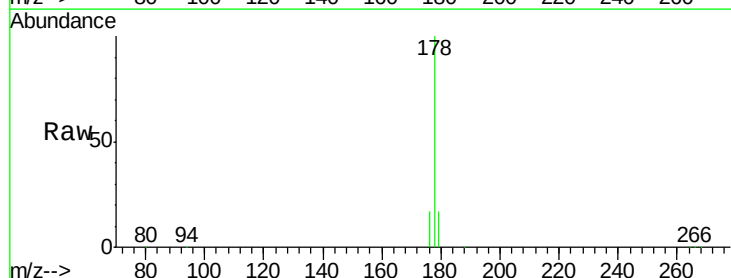
Tgt Ion:178 Resp: 25535

Ion Ratio Lower Upper

178 100

176 16.9 14.6 21.8

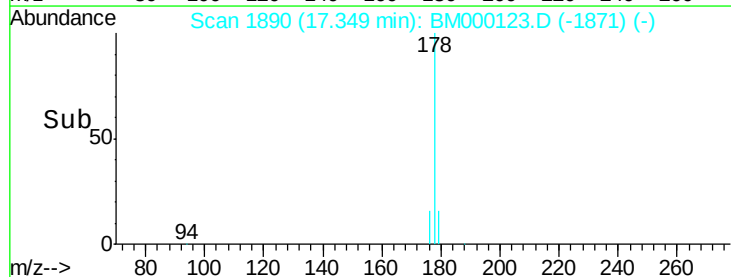
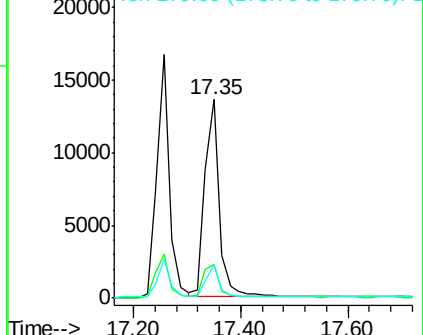
179 16.8 13.1 19.7

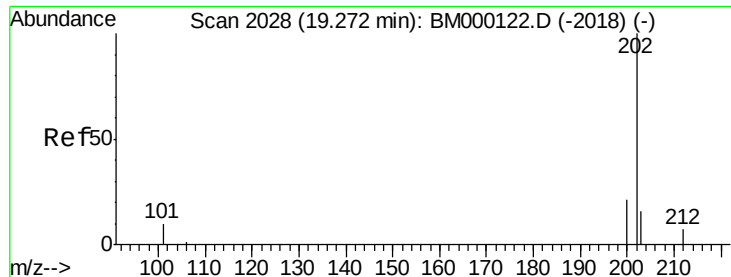


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.81 ng/ul

RT: 19.27 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BM000123.D

Acq: 07 Jan 2015 11:43

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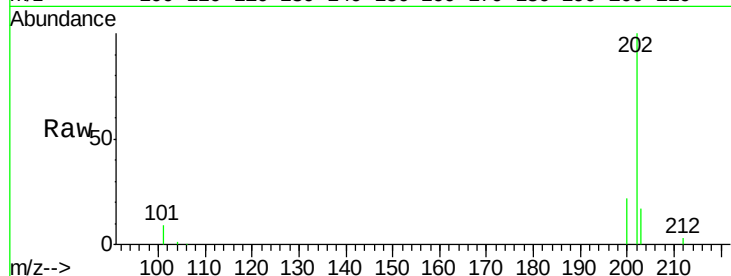
Tgt Ion:202 Resp: 29261

Ion Ratio Lower Upper

202 100

101 8.6 0.0 30.5

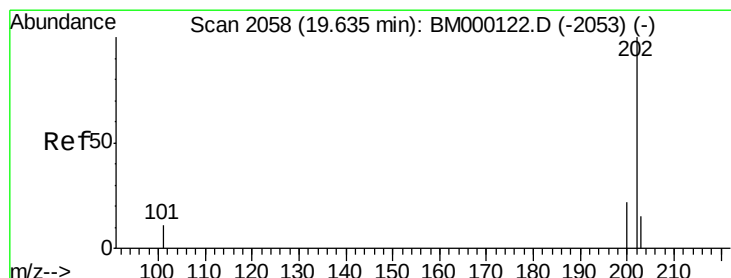
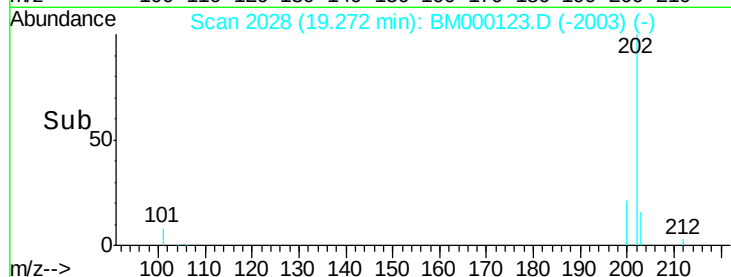
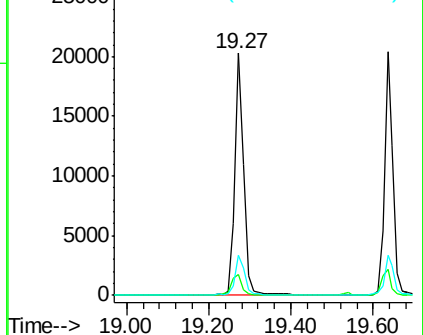
203 16.6 0.0 36.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#17

Pyrene

Concen: 0.79 ng/ul

RT: 19.64 min Scan# 2058

Delta R.T. 0.00 min

Lab File: BM000123.D

Acq: 07 Jan 2015 11:43

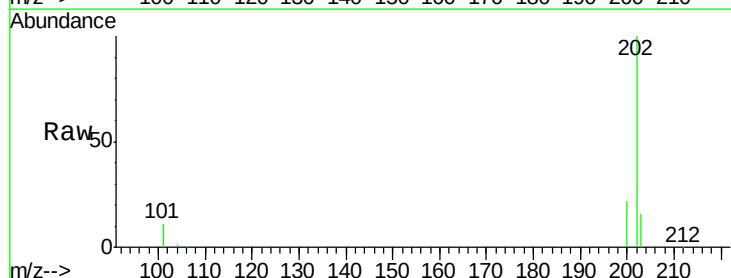
Tgt Ion:202 Resp: 29921

Ion Ratio Lower Upper

202 100

200 22.0 17.9 26.9

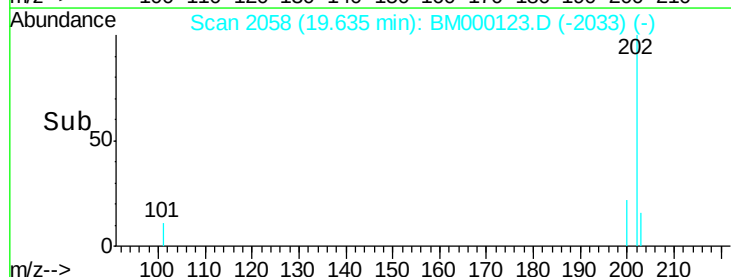
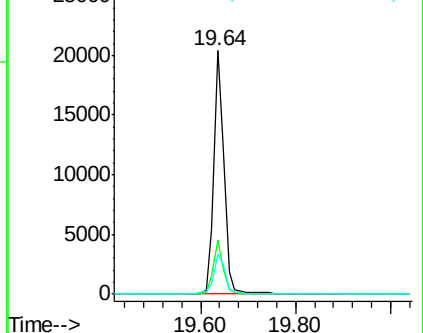
203 16.3 12.8 19.2

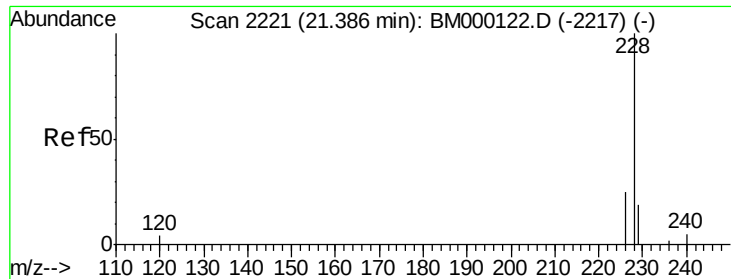


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.82 ng/ul

RT: 21.39 min Scan# 2221

Delta R.T. 0.00 min

Lab File: BM000123.D

Acq: 07 Jan 2015 11:43

Instrument :

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ClientSampleId :

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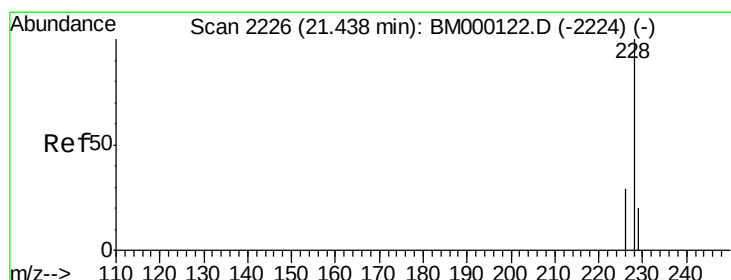
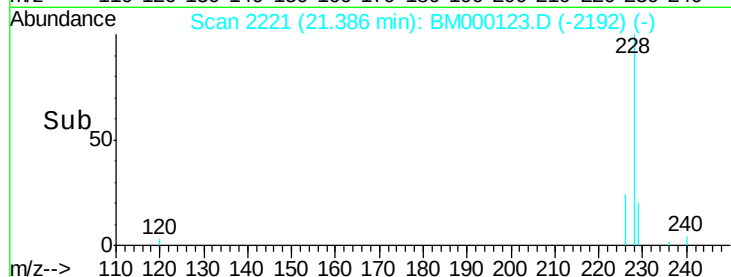
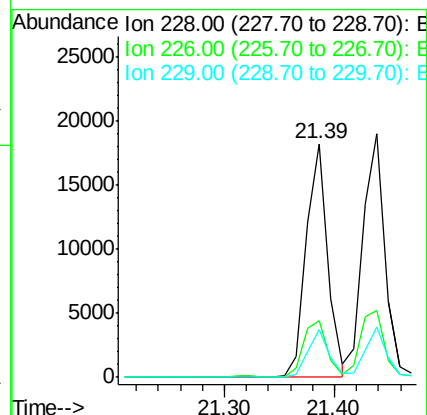
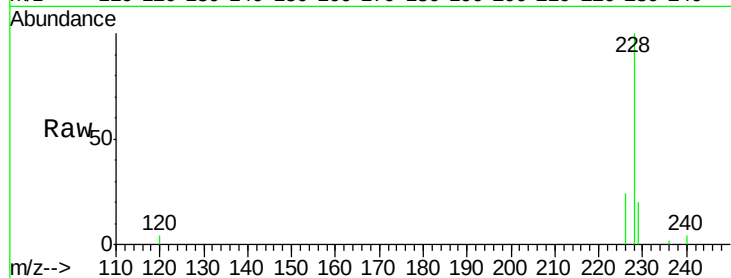
Tgt Ion:228 Resp: 24405

Ion Ratio Lower Upper

228 100

226 24.5 20.8 31.2

229 20.4 15.5 23.3



#19

Chrysene

Concen: 0.81 ng/ul

RT: 21.44 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BM000123.D

Acq: 07 Jan 2015 11:43

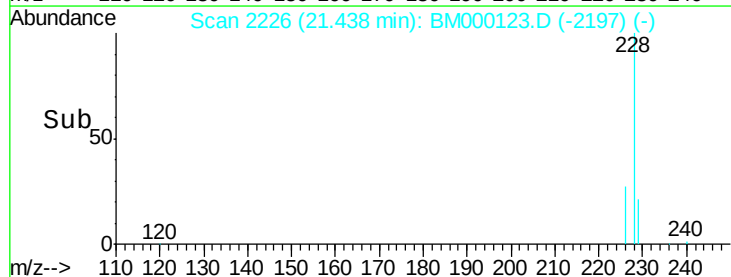
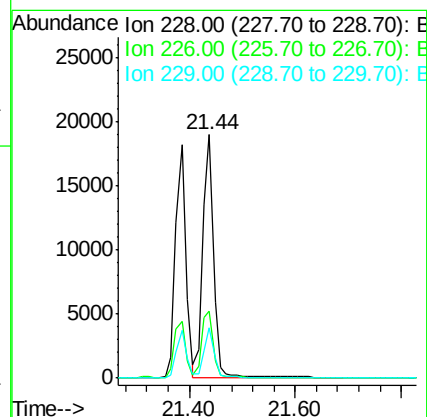
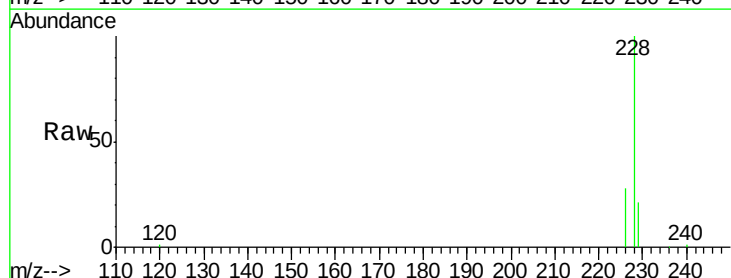
Tgt Ion:228 Resp: 26551

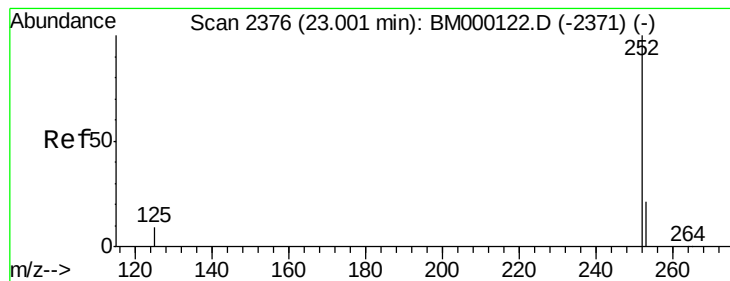
Ion Ratio Lower Upper

228 100

226 27.6 23.8 35.6

229 20.9 15.8 23.8





#21

Benzo(b)fluoranthene

Concen: 0.83 ng/ul

RT: 23.00 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BM000123.D

Acq: 07 Jan 2015 11:43

Instrument :

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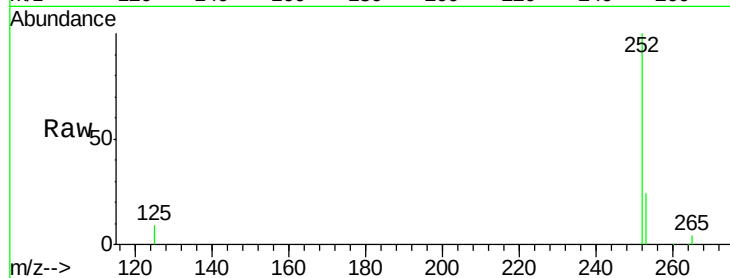
Tgt Ion:252 Resp: 26503

Ion Ratio Lower Upper

252 100

253 23.6 0.0 48.2

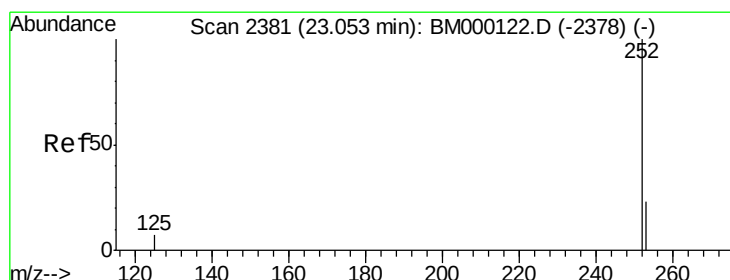
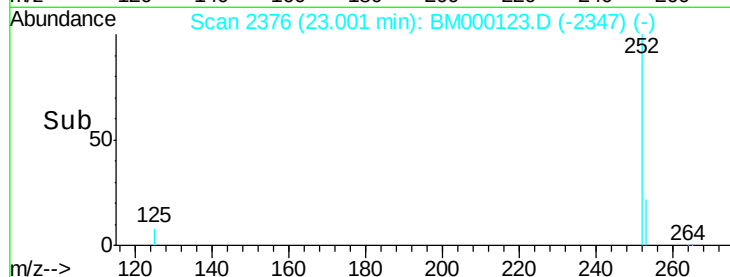
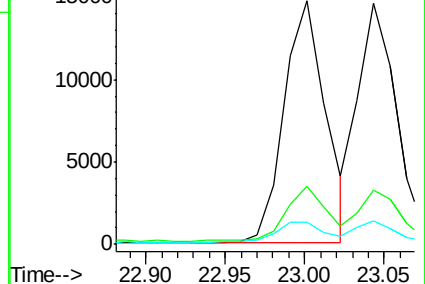
125 9.3 0.0 21.6



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



#22

Benzo(k)fluoranthene

Concen: 0.82 ng/ul

RT: 23.04 min Scan# 2380

Delta R.T. -0.01 min

Lab File: BM000123.D

Acq: 07 Jan 2015 11:43

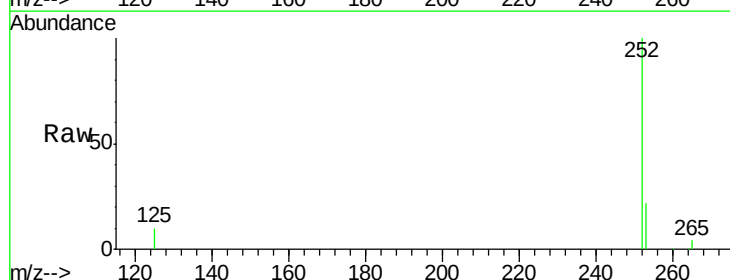
Tgt Ion:252 Resp: 24812

Ion Ratio Lower Upper

252 100

253 22.4 20.5 30.7

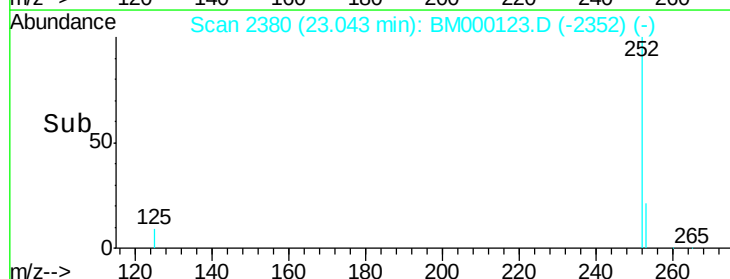
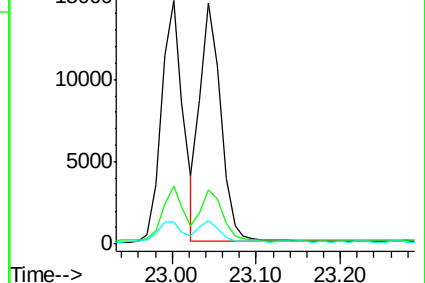
125 9.6 7.8 11.8

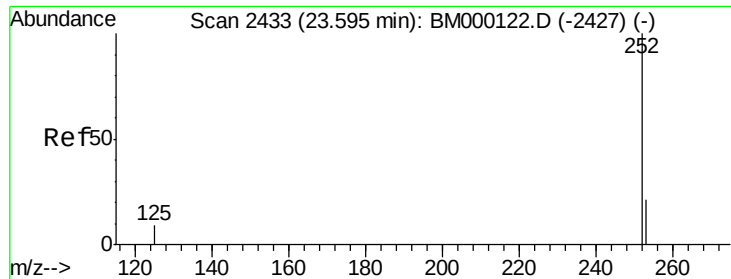


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.84 ng/ul

RT: 23.60 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BM000123.D

Acq: 07 Jan 2015 11:43

Instrument :

BNA_M

ClientSampleId :

SSTD0.817

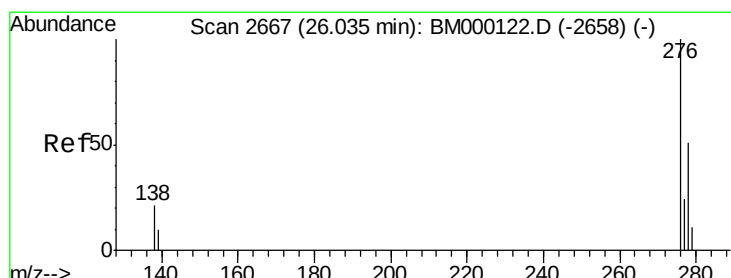
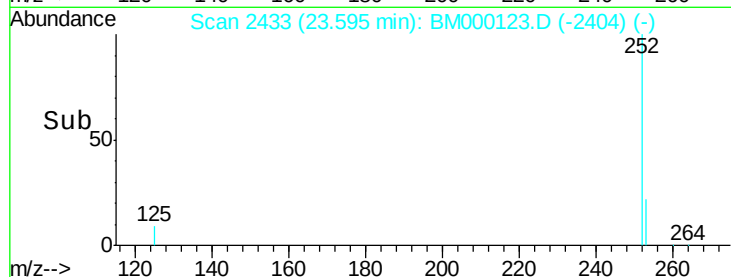
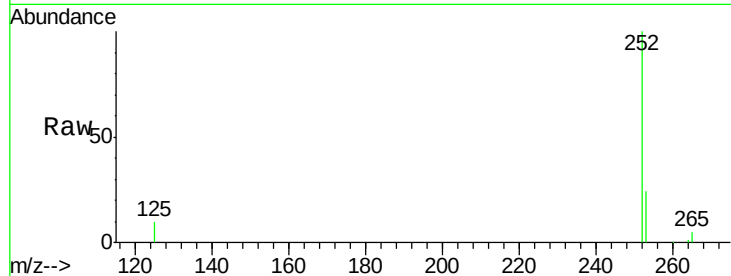
Tgt Ion: 252 Resp: 24195

Ion Ratio Lower Upper

252 100

253 23.6 19.8 29.6

125 10.1 9.2 13.8



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.85 ng/ul

RT: 26.03 min Scan# 2667

Delta R.T. 0.00 min

Lab File: BM000123.D

Acq: 07 Jan 2015 11:43

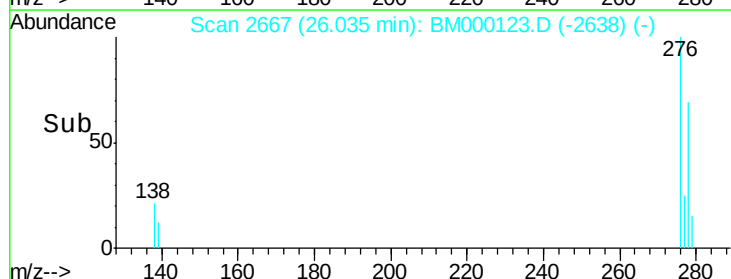
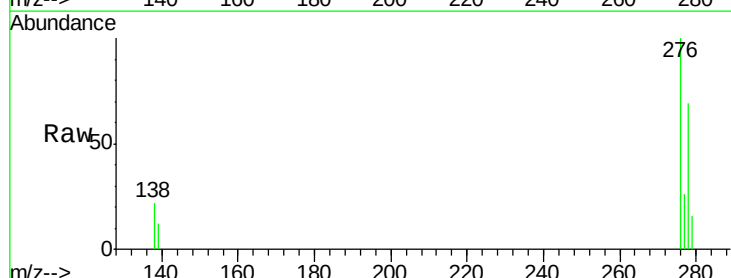
Tgt Ion: 276 Resp: 28109

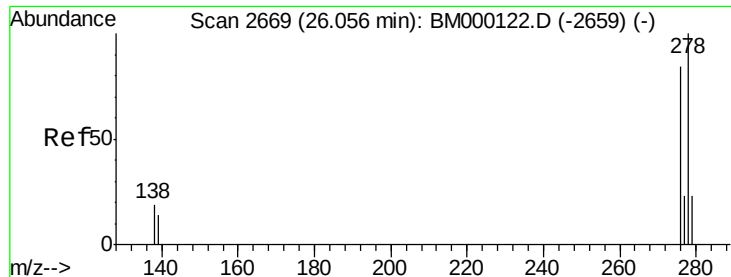
Ion Ratio Lower Upper

276 100

138 21.8 17.6 26.4

277 24.9 19.9 29.9





#25

Dibenzo(a,h)anthracene

Concen: 0.86 ng/ul

RT: 26.05 min Scan# 2668

Delta R.T. -0.01 min

Lab File: BM000123.D

Acq: 07 Jan 2015 11:43

Instrument :

BNA_M

ClientSampleId :

SSTD0.817

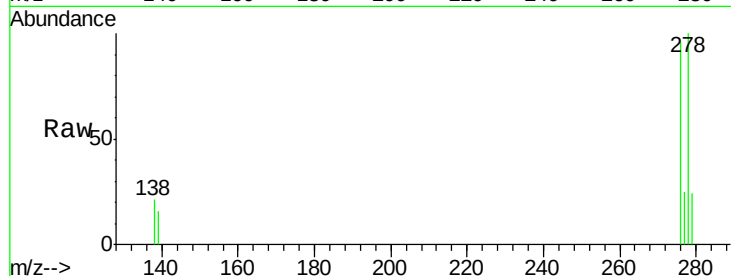
Tgt Ion: 278 Resp: 22598

Ion Ratio Lower Upper

278 100

139 15.9 12.6 18.8

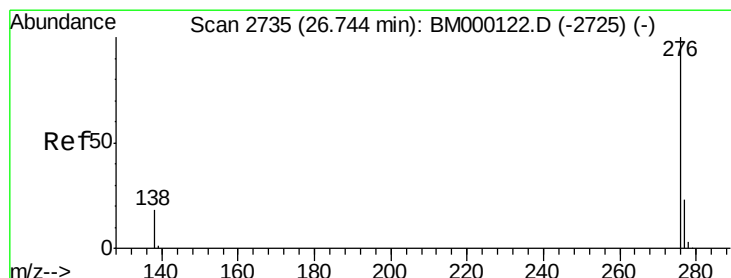
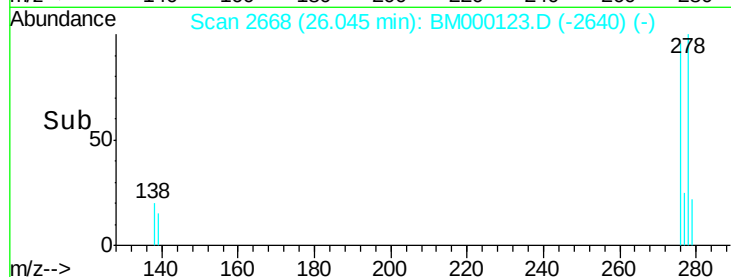
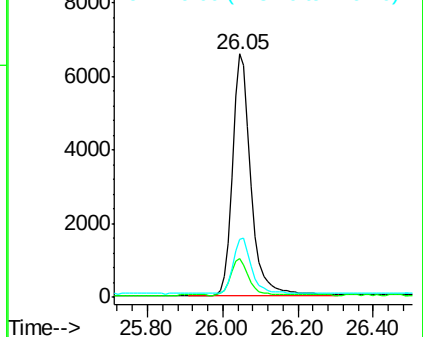
279 23.7 20.6 30.8



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: 0.84 ng/ul

RT: 26.74 min Scan# 2735

Delta R.T. 0.00 min

Lab File: BM000123.D

Acq: 07 Jan 2015 11:43

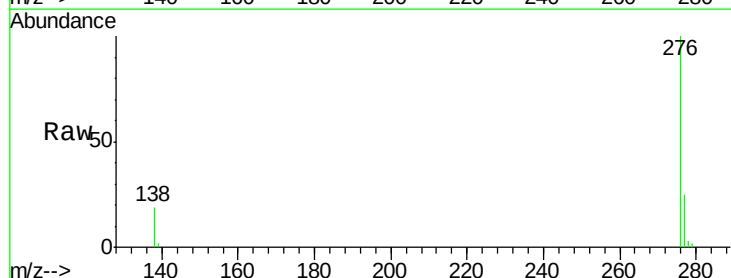
Tgt Ion: 276 Resp: 24426

Ion Ratio Lower Upper

276 100

277 24.5 20.0 30.0

138 19.2 15.7 23.5



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

