

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021115\
 Data File : BM000483.D
 Acq On : 11 Feb 2015 18:37
 Operator : TP/IZ
 Sample : SST0.403
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SST0.403

Quant Time: Feb 11 23:59:16 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM021115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 11 14:38:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	3093	0.40	ng/ul	0.00
2) Naphthalene-d8	10.50	136	10233	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	6152	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	13014	0.40	ng/ul	0.00
16) Chrysene-d12	21.30	240	9563	0.40	ng/ul	0.00
20) Perylene-d12	23.53	264	7586	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.10	152	5223	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.14	212	10329	0.36	ng/ul	0.00

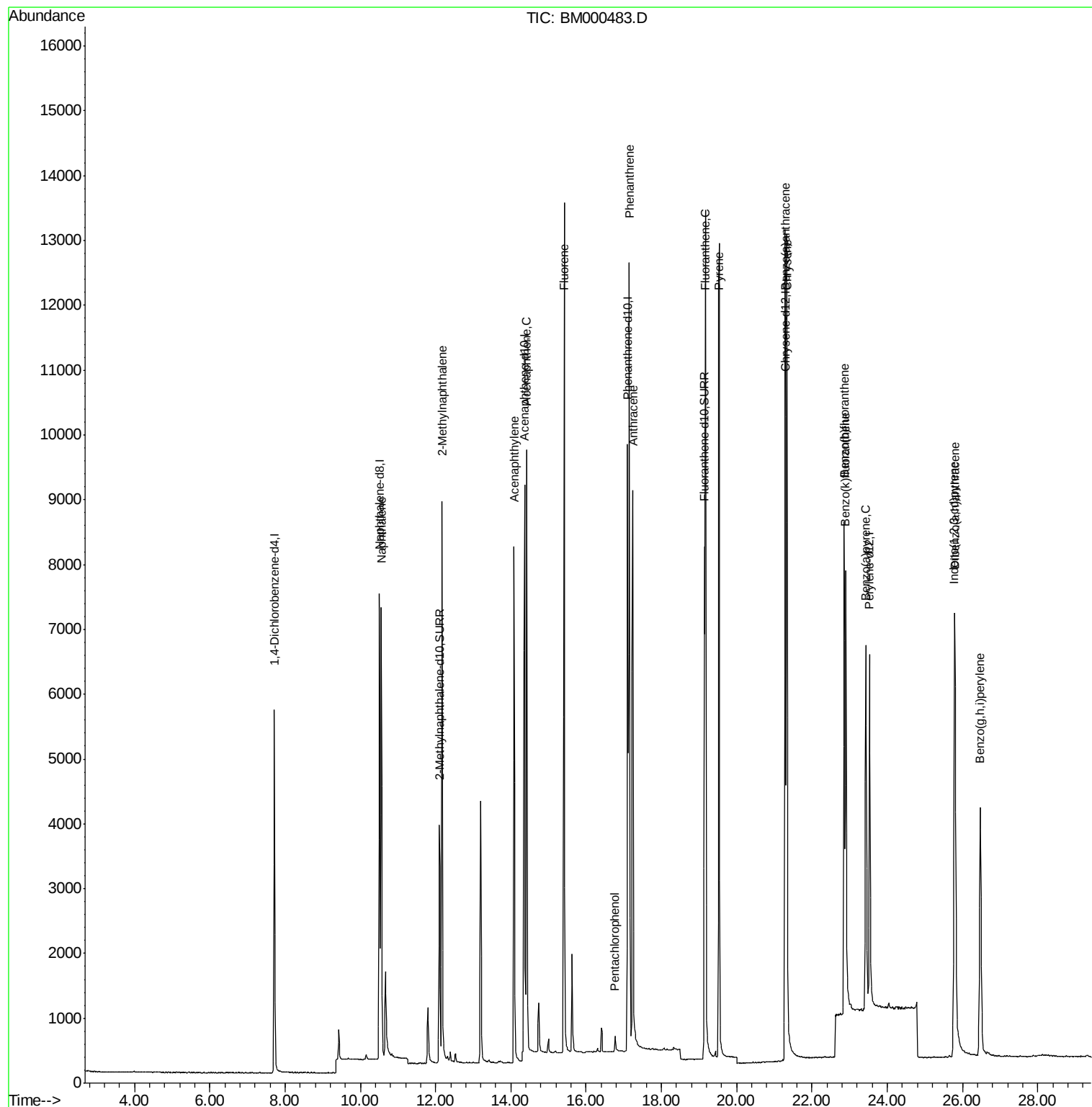
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	9683	0.39	ng/ul	99
5) 2-Methylnaphthalene	12.17	142	6668	0.38	ng/ul	99
7) Acenaphthylene	14.09	152	9515	0.39	ng/ul	99
8) Acenaphthene	14.41	153	7468	0.40	ng/ul	99
9) Fluorene	15.42	166	8884	0.39	ng/ul	100
11) Pentachlorophenol	16.76	266	314	0.26	ng/ul	93
12) Phenanthrene	17.15	178	13988	0.38	ng/ul	99
13) Anthracene	17.24	178	12655	0.38	ng/ul	99
15) Fluoranthene	19.16	202	15099	0.36	ng/ul	90
17) Pyrene	19.54	202	15155	0.43	ng/ul	100
18) Benzo(a)anthracene	21.28	228	10389	0.37	ng/ul	99
19) Chrysene	21.33	228	12834	0.40	ng/ul	99
21) Benzo(b)fluoranthene	22.86	252	10069	0.39	ng/ul	97
22) Benzo(k)fluoranthene	22.90	252	10849	0.39	ng/ul	98
23) Benzo(a)pyrene	23.43	252	9618	0.39	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.78	276	10146	0.39	ng/ul	99
25) Dibenzo(a,h)anthracene	25.80	278	8084	0.40	ng/ul	99
26) Benzo(g,h,i)perylene	26.47	276	8880	0.40	ng/ul	99

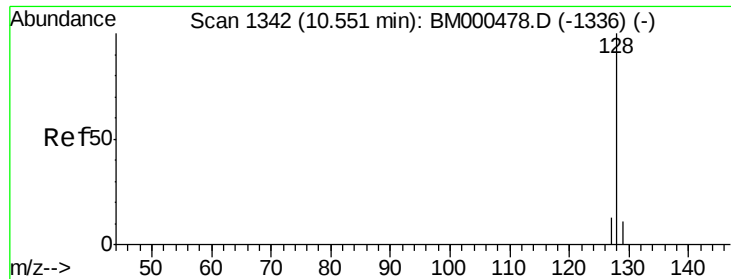
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.55 min Scan# 1342

Delta R.T. 0.00 min

Lab File: BM000483.D

Acq: 11 Feb 2015 18:37

Instrument :

BNA_M

LabSampleId :

SSTD0.403

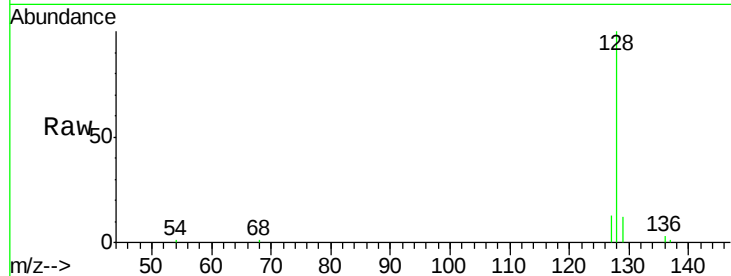
Tgt Ion:128 Resp: 9683

Ion Ratio Lower Upper

128 100

129 11.6 9.2 13.8

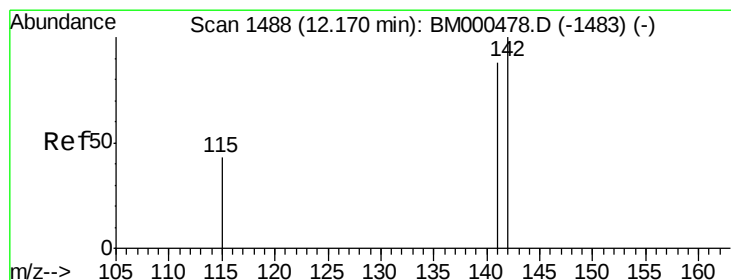
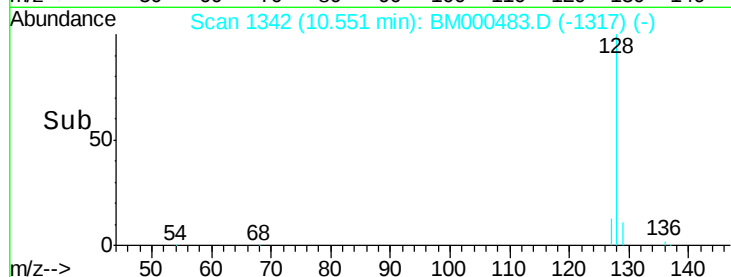
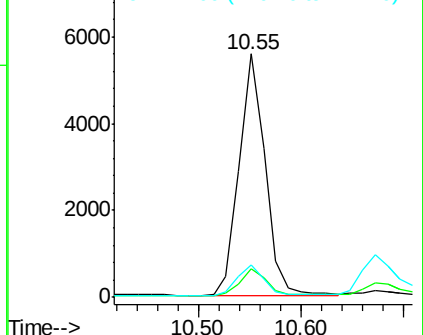
127 13.5 11.2 16.8



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: 0.38 ng/ul

RT: 12.17 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BM000483.D

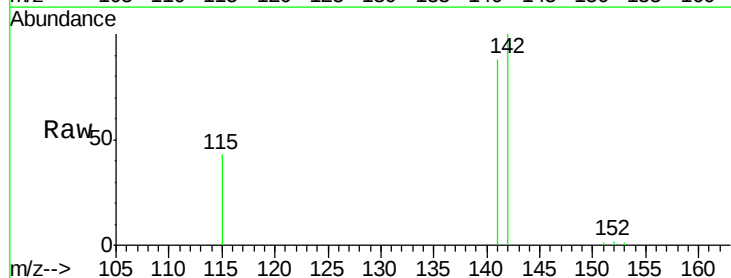
Acq: 11 Feb 2015 18:37

Tgt Ion:142 Resp: 6668

Ion Ratio Lower Upper

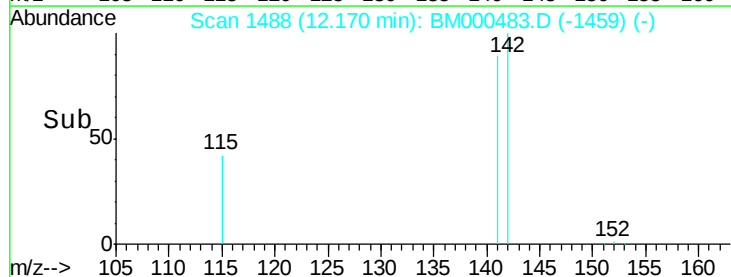
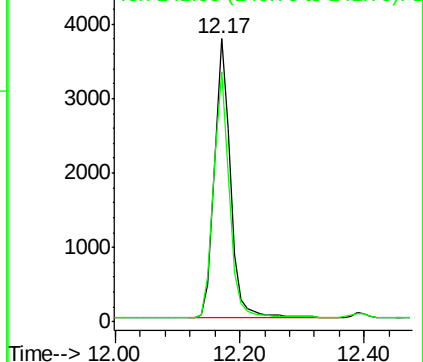
142 100

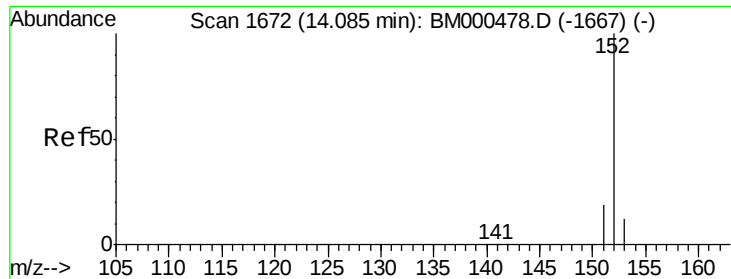
141 86.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.39 ng/ul

RT: 14.09 min Scan# 1672

Delta R.T. 0.00 min

Lab File: BM000483.D

Acq: 11 Feb 2015 18:37

Instrument :

BNA_M

LabSampleId :

SSTD0.403

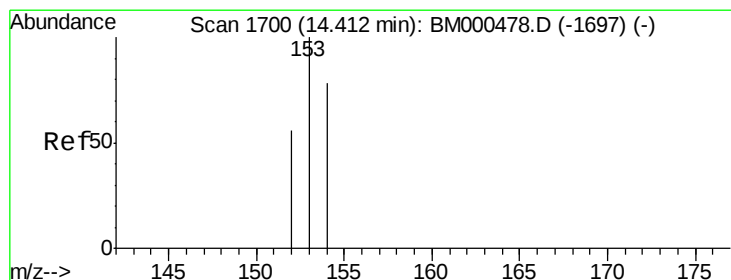
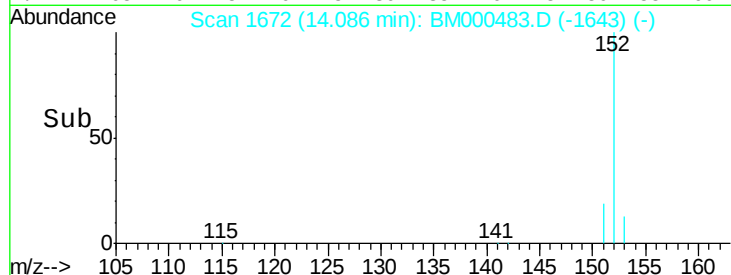
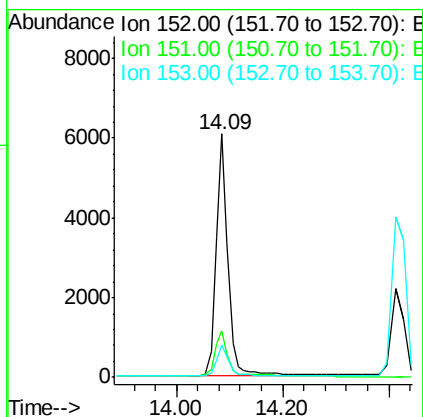
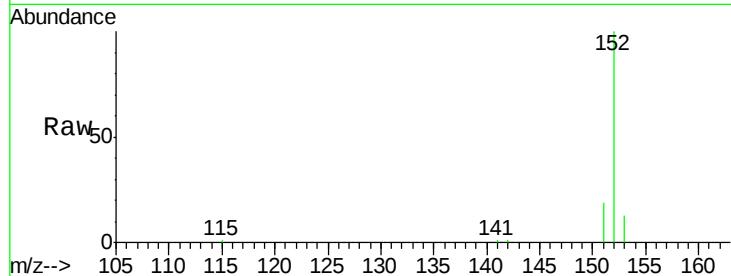
Tgt Ion:152 Resp: 9515

Ion Ratio Lower Upper

152 100

151 19.2 16.1 24.1

153 13.4 10.6 15.8



#8

Acenaphthene

Concen: 0.40 ng/ul

RT: 14.41 min Scan# 1700

Delta R.T. 0.00 min

Lab File: BM000483.D

Acq: 11 Feb 2015 18:37

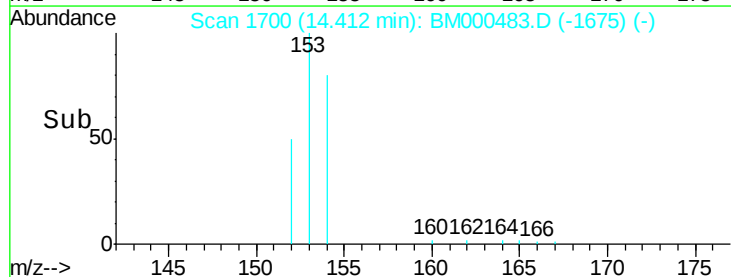
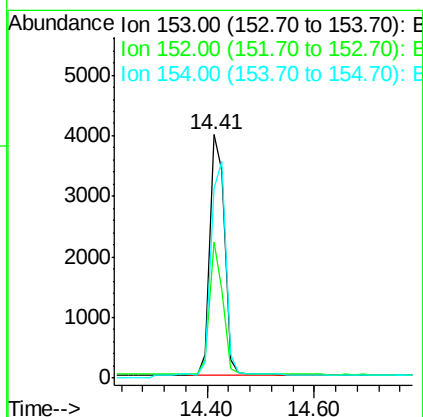
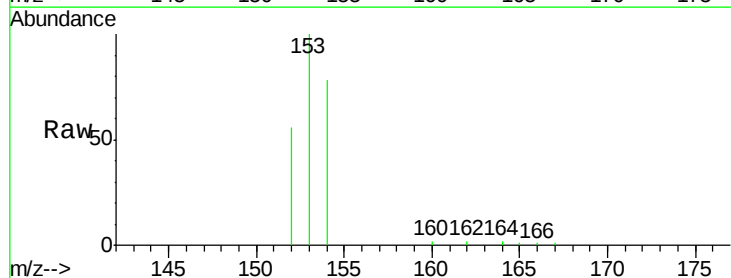
Tgt Ion:153 Resp: 7468

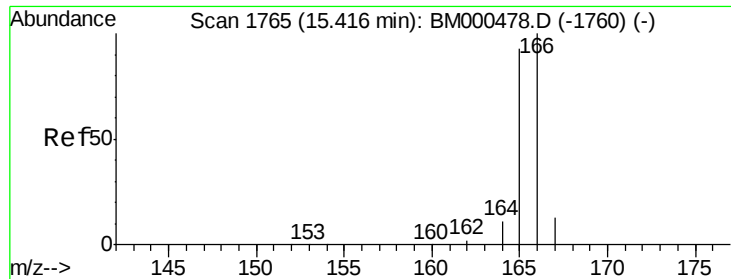
Ion Ratio Lower Upper

153 100

152 55.8 45.6 68.4

154 78.1 62.5 93.7





#9

Fluorene

Concen: 0.39 ng/ul

RT: 15.42 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BM000483.D

Acq: 11 Feb 2015 18:37

Instrument :

BNA_M

LabSampleId :

SSTD0.403

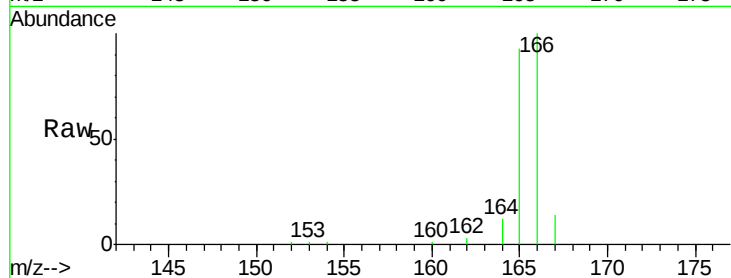
Tgt Ion:166 Resp: 8884

Ion Ratio Lower Upper

166 100

165 92.9 74.4 111.6

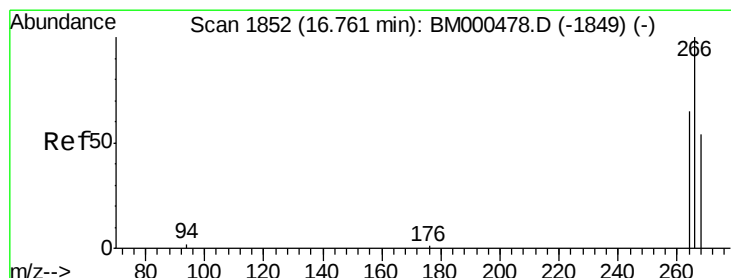
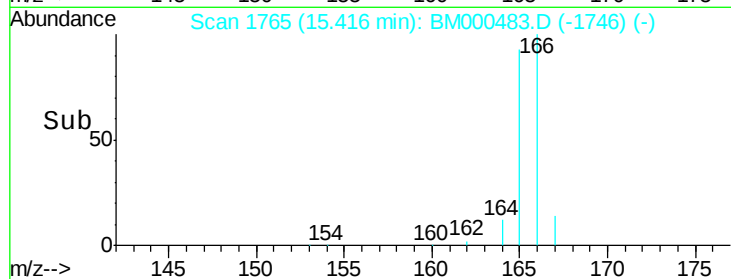
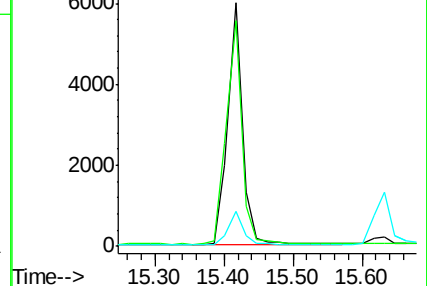
167 14.3 11.3 16.9



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



#11

Pentachlorophenol

Concen: 0.26 ng/ul

RT: 16.76 min Scan# 1852

Delta R.T. 0.00 min

Lab File: BM000483.D

Acq: 11 Feb 2015 18:37

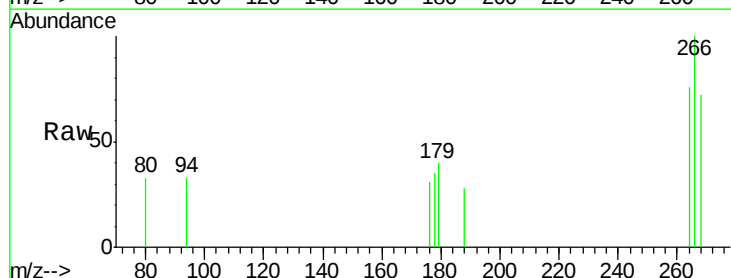
Tgt Ion:266 Resp: 314

Ion Ratio Lower Upper

266 100

264 55.4 49.8 74.6

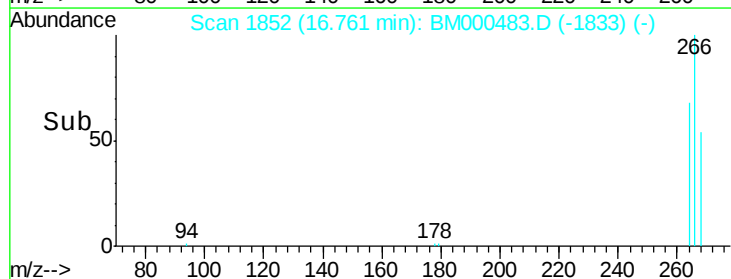
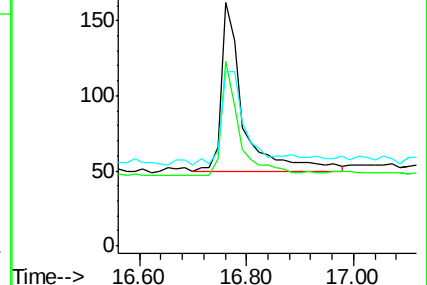
268 59.9 51.2 76.8

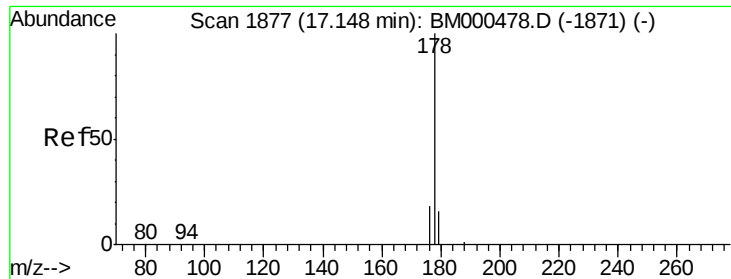


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 17.15 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM000483.D

Acq: 11 Feb 2015 18:37

Instrument :

BNA_M

LabSampleId :

SSTD0.403

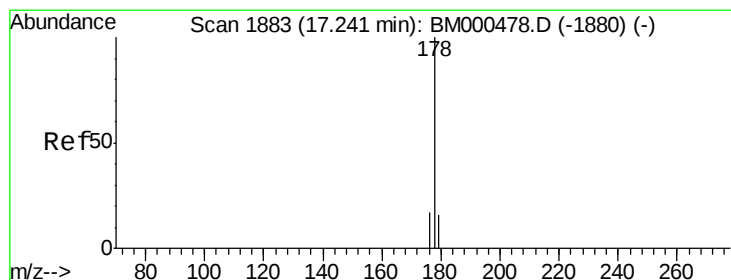
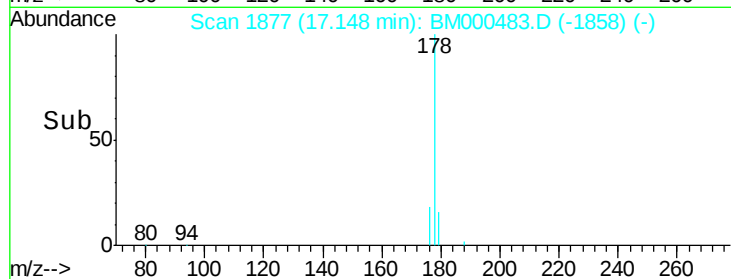
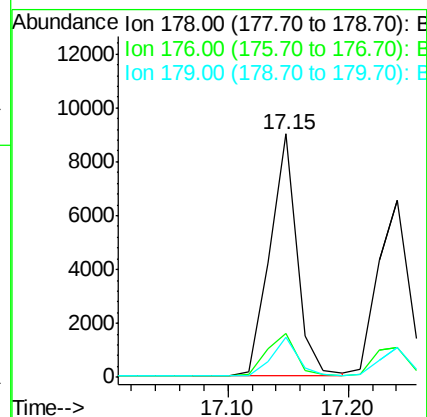
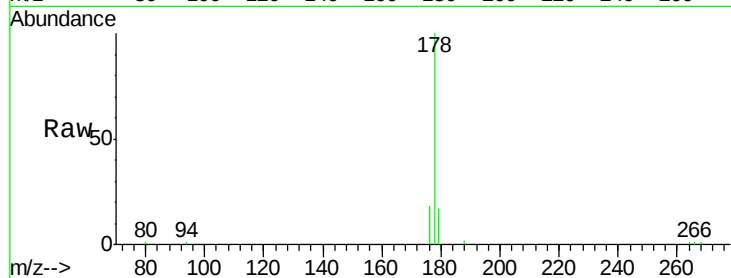
Tgt Ion:178 Resp: 13988

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.4

179 16.5 13.0 19.4



#13

Anthracene

Concen: 0.38 ng/ul

RT: 17.24 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BM000483.D

Acq: 11 Feb 2015 18:37

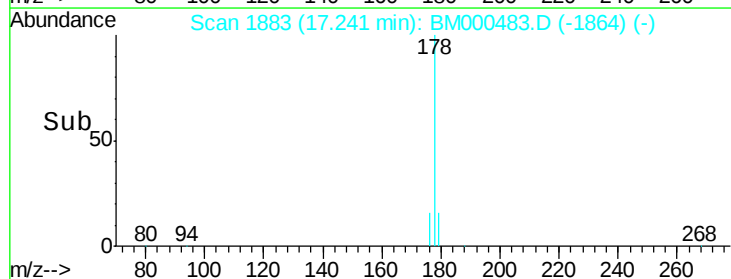
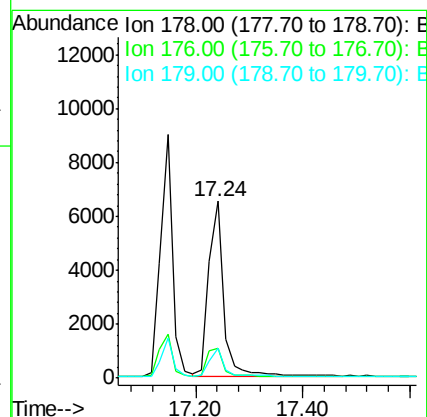
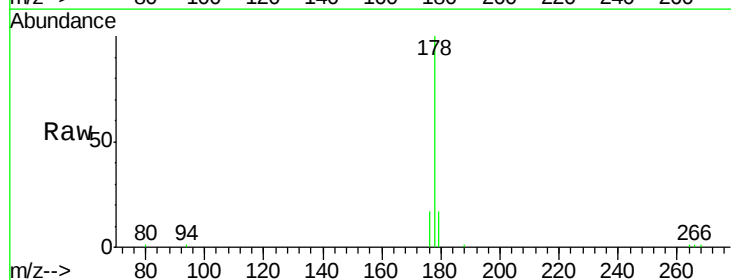
Tgt Ion:178 Resp: 12655

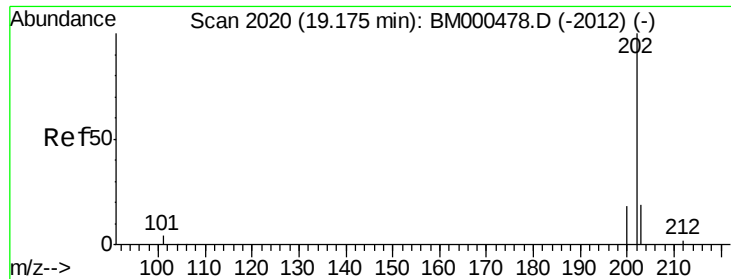
Ion Ratio Lower Upper

178 100

176 17.0 13.9 20.9

179 17.2 13.2 19.8

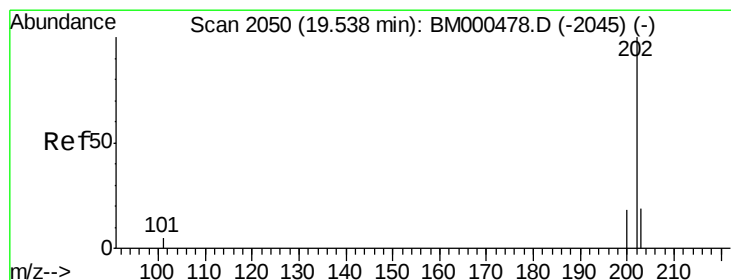
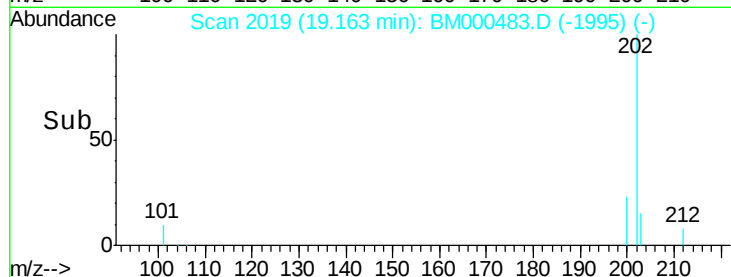
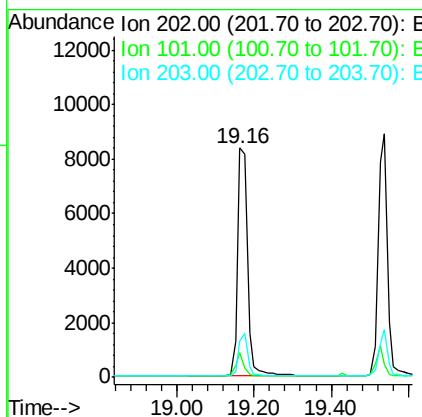
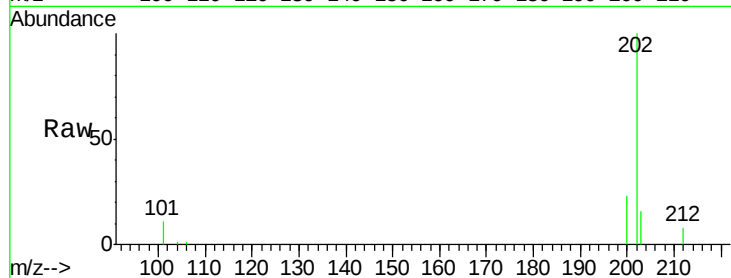




#15
Fluoranthene
 Concen: 0.36 ng/ul
 RT: 19.16 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BM000483.D
 Acq: 11 Feb 2015 18:37

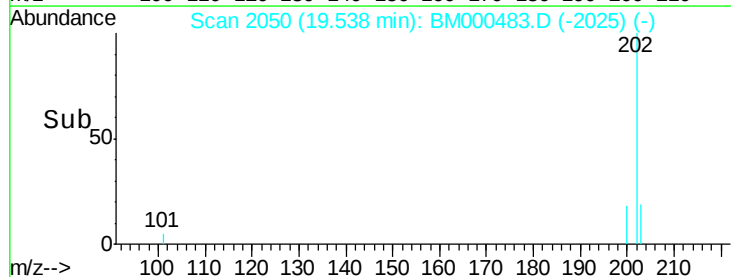
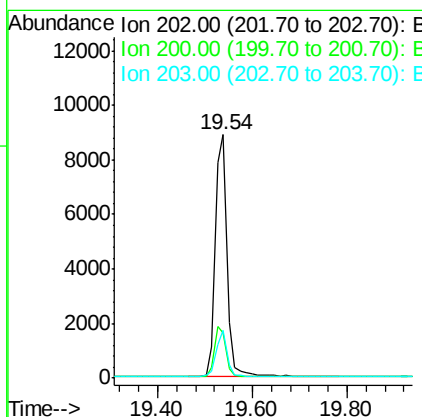
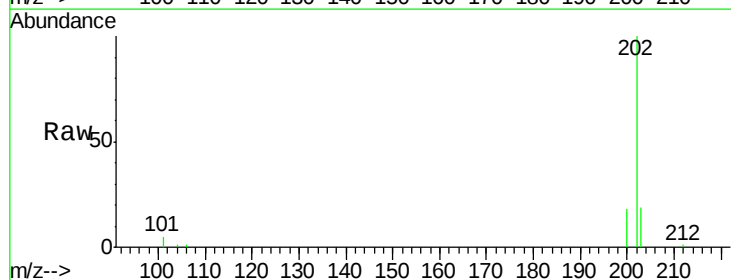
Instrument :
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 SST0.403

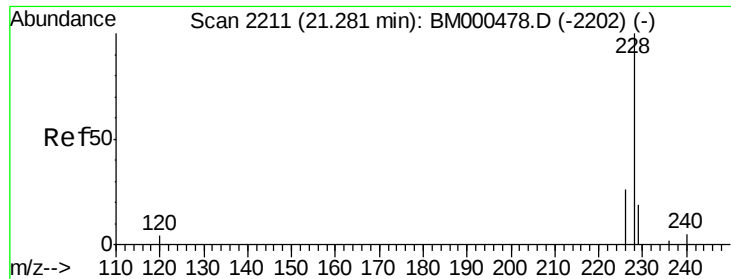
Tgt Ion: 202 Resp: 15099
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 24.6
 203 15.7 0.0 39.2



#17
Pyrene
 Concen: 0.43 ng/ul
 RT: 19.54 min Scan# 2050
 Delta R.T. 0.00 min
 Lab File: BM000483.D
 Acq: 11 Feb 2015 18:37

Tgt Ion: 202 Resp: 15155
 Ion Ratio Lower Upper
 202 100
 200 18.5 14.9 22.3
 203 19.4 15.4 23.0





#18

Benzo(a)anthracene

Concen: 0.37 ng/ul

RT: 21.28 min Scan# 2211

Delta R.T. 0.00 min

Lab File: BM000483.D

Acq: 11 Feb 2015 18:37

Instrument :

BNA_M

LabSampleId :

SSTD0.403

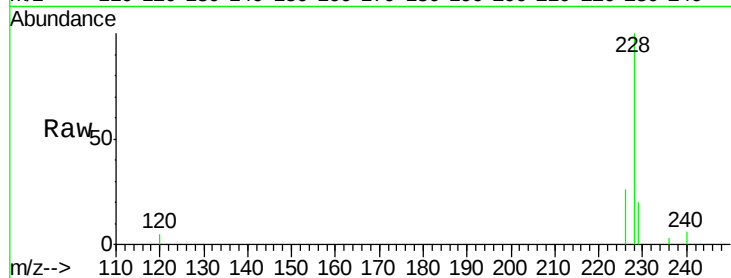
Tgt Ion:228 Resp: 10389

Ion Ratio Lower Upper

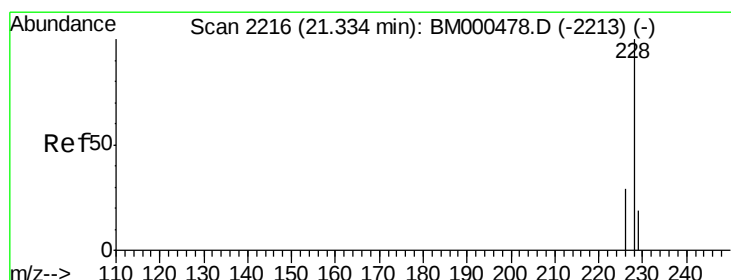
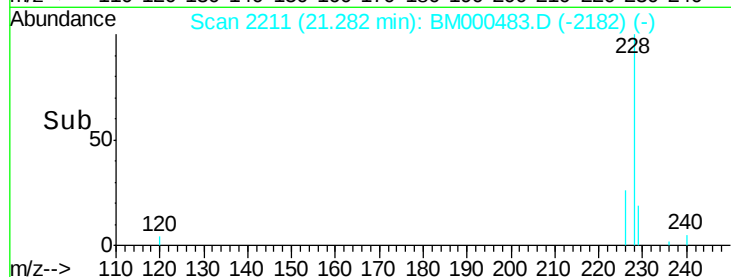
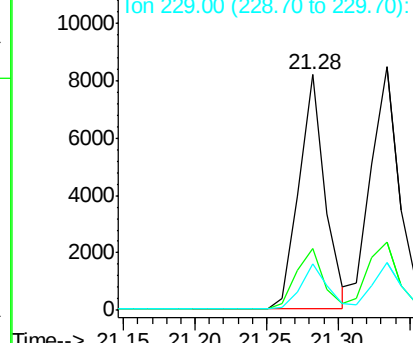
228 100

226 26.4 21.4 32.0

229 19.9 15.6 23.4



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



#19

Chrysene

Concen: 0.40 ng/ul

RT: 21.33 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BM000483.D

Acq: 11 Feb 2015 18:37

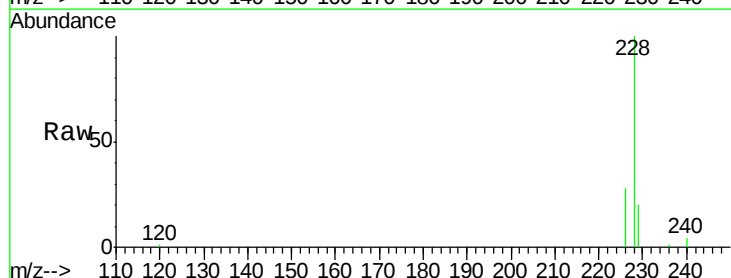
Tgt Ion:228 Resp: 12834

Ion Ratio Lower Upper

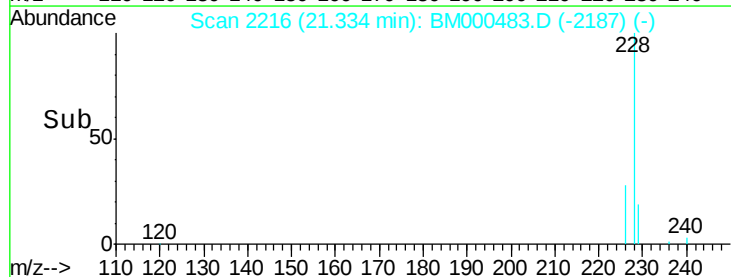
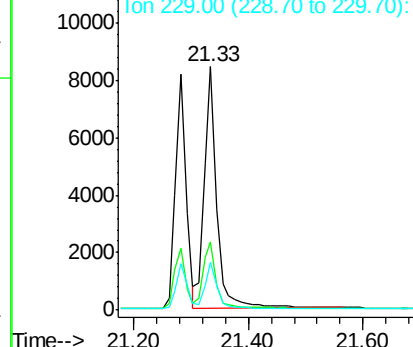
228 100

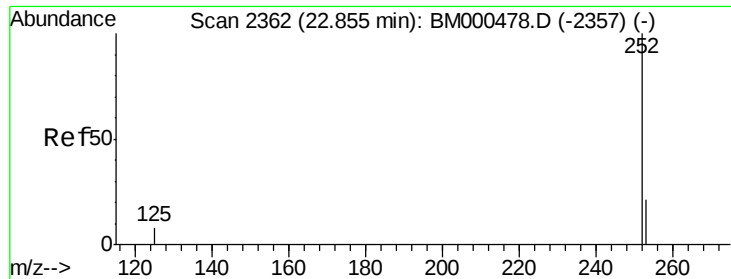
226 28.3 23.0 34.6

229 19.8 15.9 23.9



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





#21

Benzo(b)fluoranthene

Concen: 0.39 ng/u1

RT: 22.86 min Scan# 2362

Delta R.T. 0.00 min

Lab File: BM000483.D

Acq: 11 Feb 2015 18:37

Instrument :

BNA_M

LabSampleId :

SSTD0.403

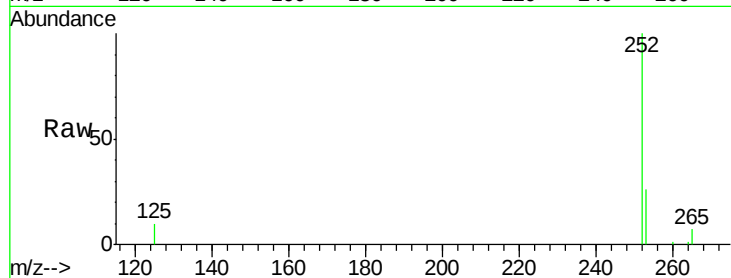
Tgt Ion:252 Resp: 10069

Ion Ratio Lower Upper

252 100

253 26.0 0.0 49.0

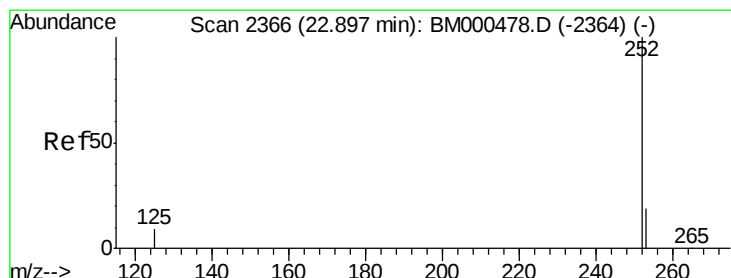
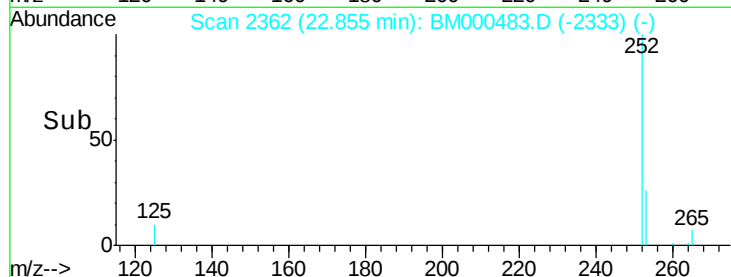
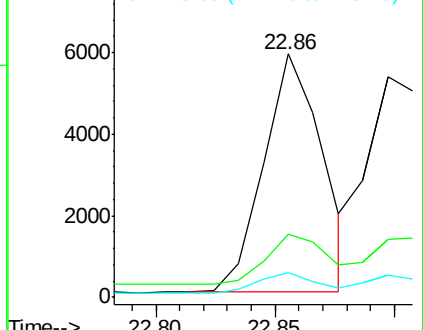
125 10.2 0.0 18.4



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: 0.39 ng/u1

RT: 22.90 min Scan# 2366

Delta R.T. 0.00 min

Lab File: BM000483.D

Acq: 11 Feb 2015 18:37

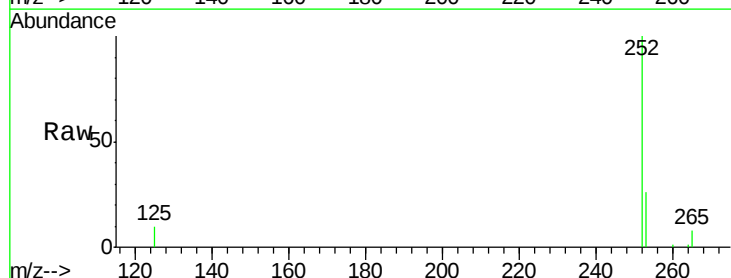
Tgt Ion:252 Resp: 10849

Ion Ratio Lower Upper

252 100

253 26.0 19.8 29.6

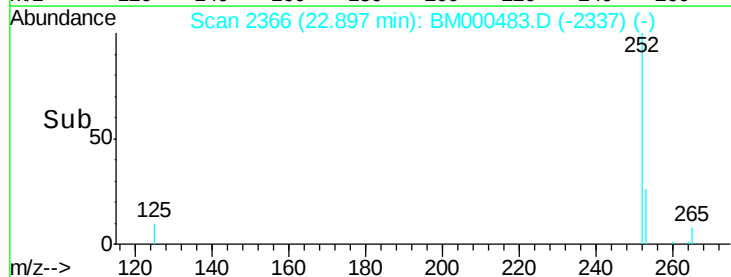
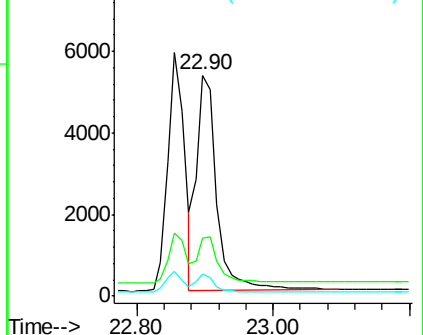
125 10.1 7.6 11.4

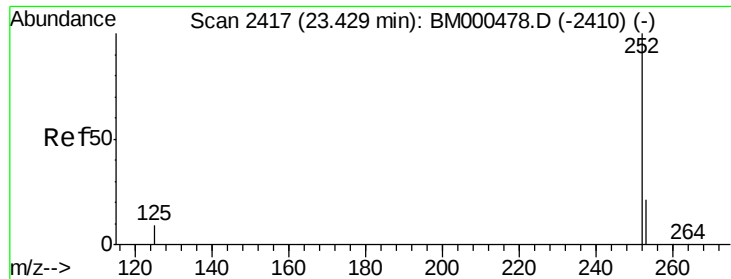


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.39 ng/ul

RT: 23.43 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BM000483.D

Acq: 11 Feb 2015 18:37

Instrument :

BNA_M

LabSampleId :

SSTD0.403

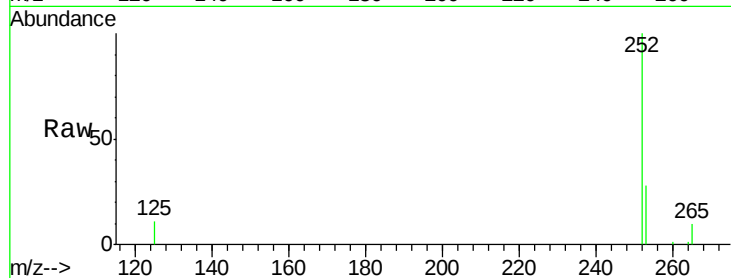
Tgt Ion:252 Resp: 9618

Ion Ratio Lower Upper

252 100

253 28.3 21.2 31.8

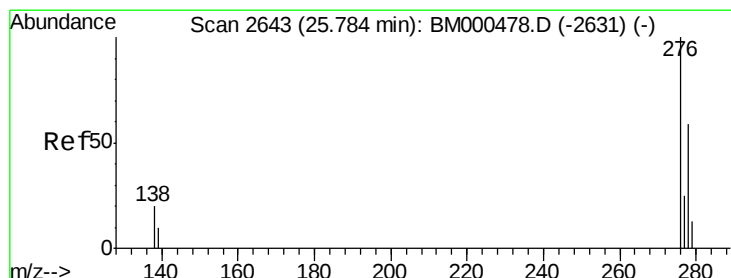
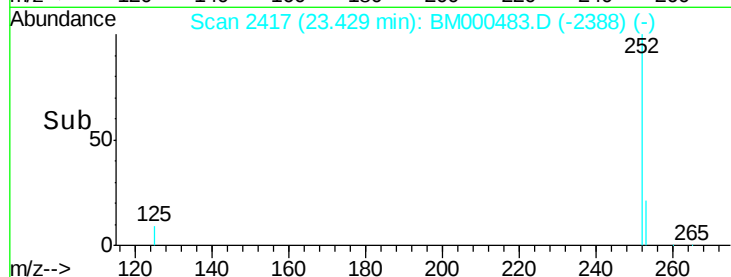
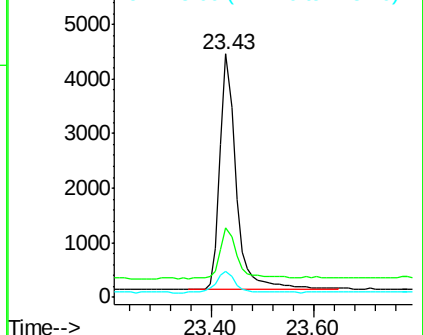
125 10.7 8.4 12.6



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.39 ng/ul

RT: 25.78 min Scan# 2643

Delta R.T. 0.00 min

Lab File: BM000483.D

Acq: 11 Feb 2015 18:37

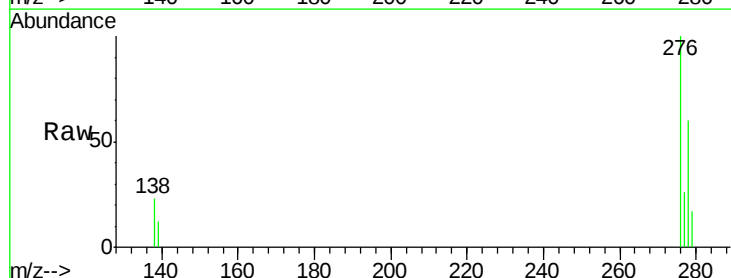
Tgt Ion:276 Resp: 10146

Ion Ratio Lower Upper

276 100

138 21.4 16.3 24.5

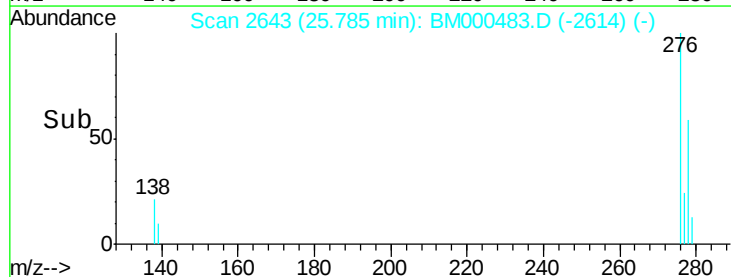
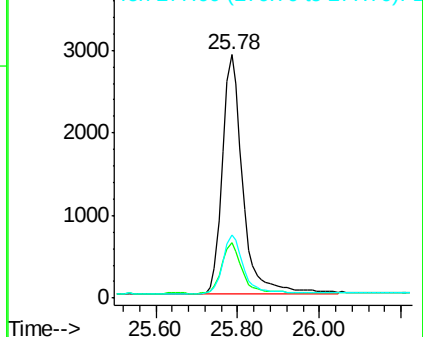
277 25.0 20.0 30.0

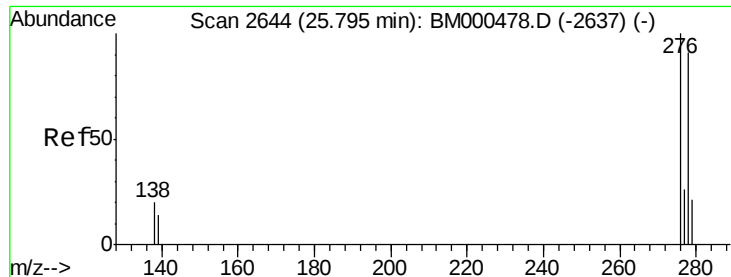


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.40 ng/ul

RT: 25.80 min Scan# 2644

Delta R.T. 0.00 min

Lab File: BM000483.D

Acq: 11 Feb 2015 18:37

Instrument :

BNA_M

LabSampleId :

SSTD0.403

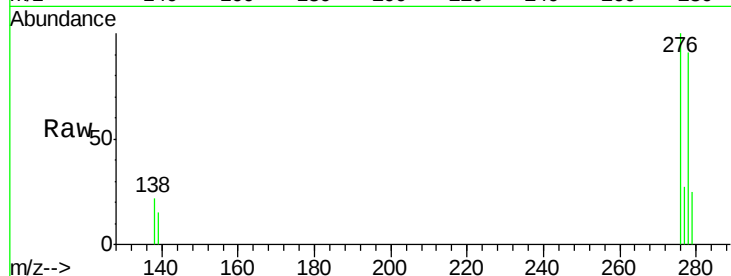
Tgt Ion:278 Resp: 8084

Ion Ratio Lower Upper

278 100

139 16.9 13.4 20.0

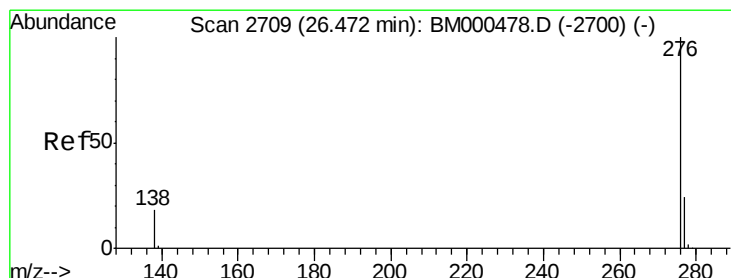
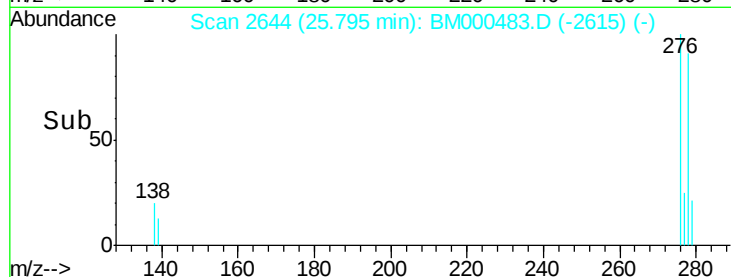
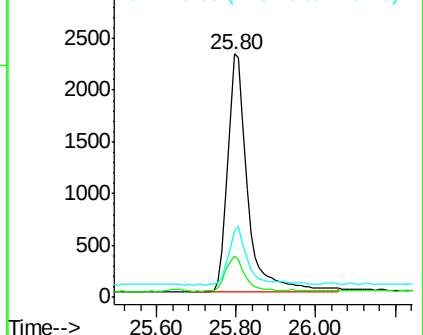
279 27.5 21.3 31.9



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: 0.40 ng/ul

RT: 26.47 min Scan# 2709

Delta R.T. 0.00 min

Lab File: BM000483.D

Acq: 11 Feb 2015 18:37

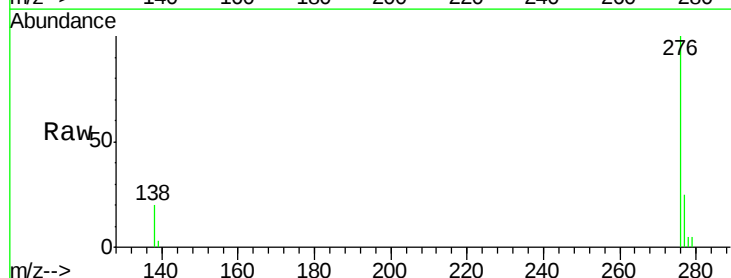
Tgt Ion:276 Resp: 8880

Ion Ratio Lower Upper

276 100

277 25.1 20.2 30.4

138 20.3 16.0 24.0



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

