

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042715\
 Data File : BM001123.D
 Acq On : 27 Apr 2015 19:09
 Operator : TP/IZ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.499

Quant Time: Apr 28 01:38:26 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM042715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 27 14:06:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	982	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	3511	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.20	164	1808	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	4026	0.40	ng/ul	0.00
16) Chrysene-d12	21.16	240	3625	0.40	ng/ul	0.00
20) Perylene-d12	23.33	264	3461	0.40	ng/ul	0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.93	152	1796	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	3649	0.40	ng/ul	0.00

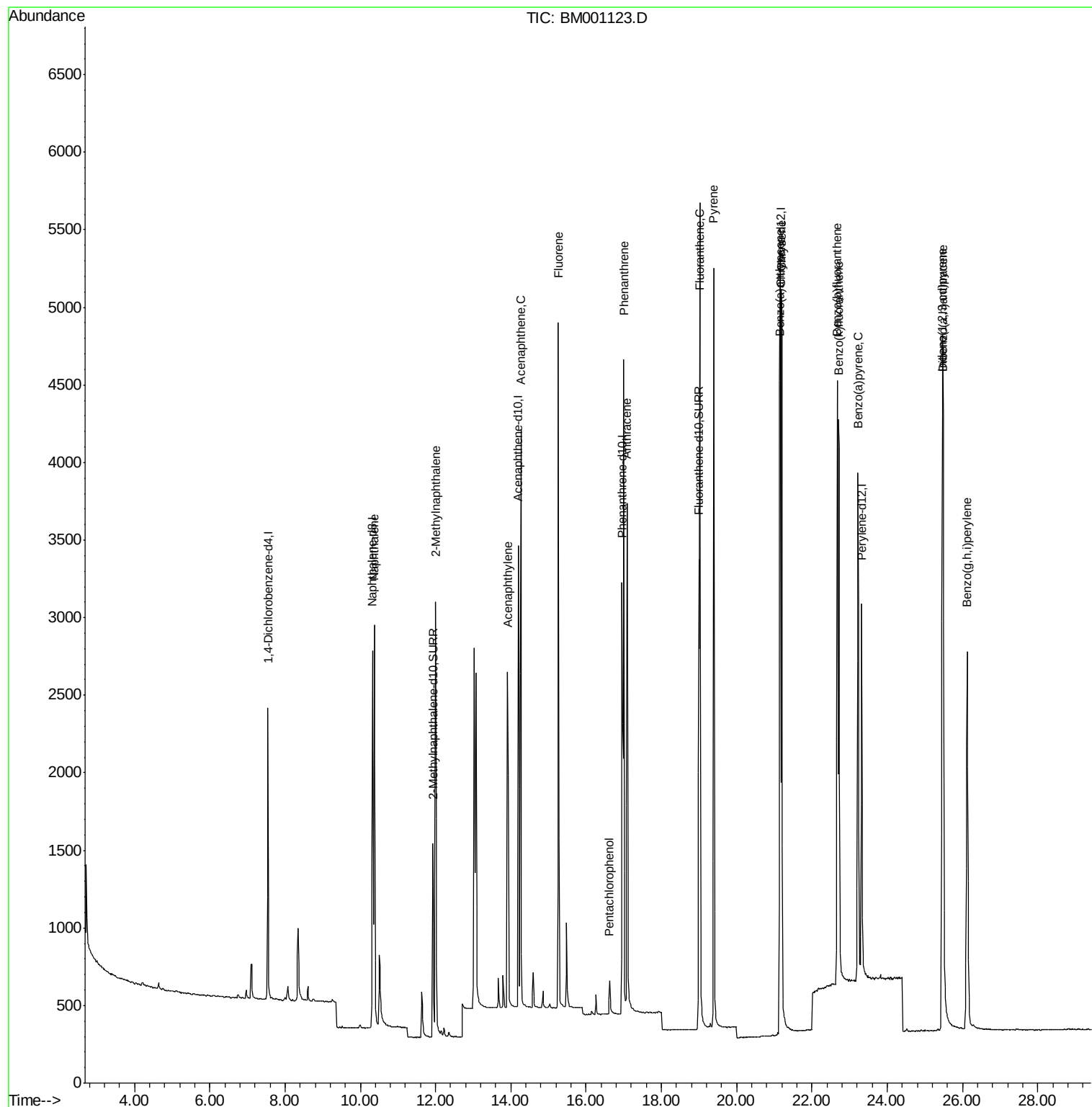
Target Compounds				Qvalue		
3) Naphthalene	10.37	128	3671	0.41	ng/ul	99
5) 2-Methylnaphthalene	12.00	142	2382	0.40	ng/ul	100
7) Acenaphthylene	13.91	152	3247	0.39	ng/ul	99
8) Acenaphthene	14.27	153	2551	0.40	ng/ul	97
9) Fluorene	15.26	166	2941	0.40	ng/ul	96
11) Pentachlorophenol	16.63	266	215	0.29	ng/ul	90
12) Phenanthrene	17.00	178	4652	0.40	ng/ul	99
13) Anthracene	17.09	178	4232	0.40	ng/ul	99
15) Fluoranthene	19.02	202	5352	0.40	ng/ul	99
17) Pyrene	19.39	202	5447	0.40	ng/ul	99
18) Benzo(a)anthracene	21.14	228	4498	0.39	ng/ul	99
19) Chrysene	21.20	228	5296	0.42	ng/ul	91
21) Benzo(b)fluoranthene	22.67	252	4888	0.40	ng/ul	100
22) Benzo(k)fluoranthene	22.71	252	5252	0.41	ng/ul	99
23) Benzo(a)pyrene	23.22	252	4865	0.40	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.46	276	5535	0.40	ng/ul	100
25) Dibenzo(a,h)anthracene	25.49	278	4417	0.40	ng/ul	98
26) Benzo(g,h,i)perylene	26.12	276	4873	0.40	ng/ul	99

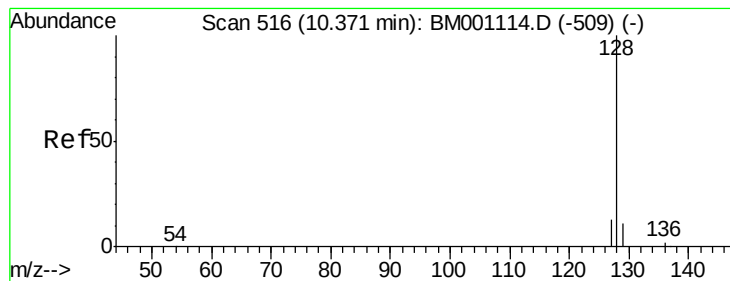
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.37 min Scan# 516

Delta R.T. -0.00 min

Lab File: BM001123.D

Acq: 27 Apr 2015 19:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.499

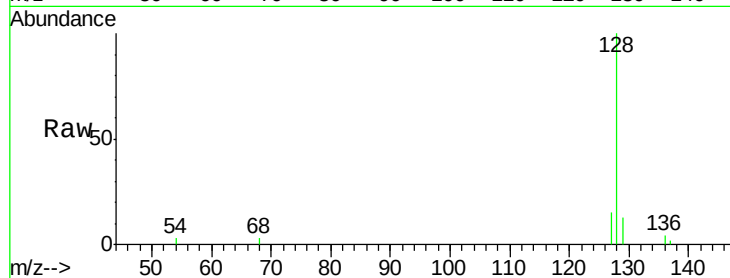
Tgt Ion:128 Resp: 3671

Ion Ratio Lower Upper

128 100

129 12.6 10.2 15.4

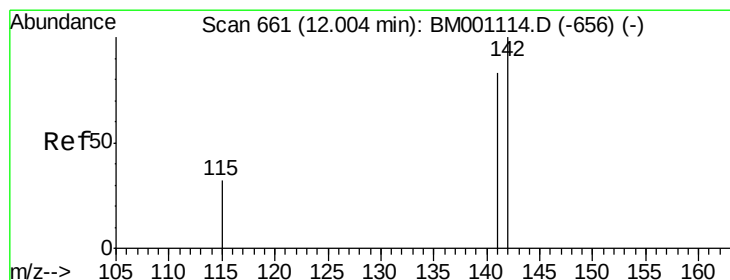
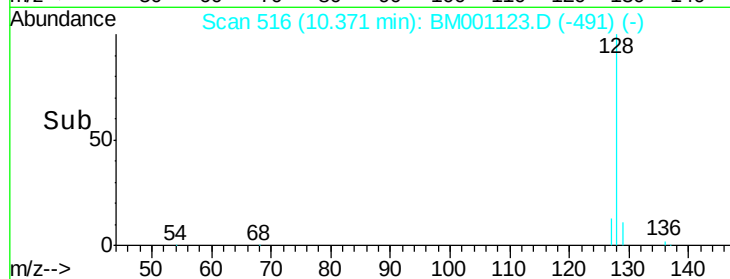
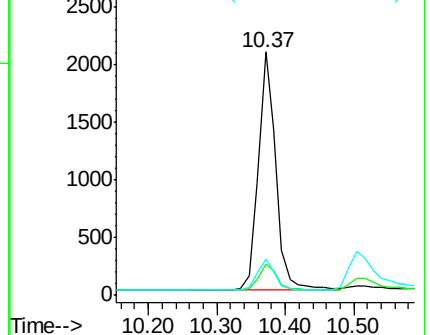
127 15.0 11.7 17.5



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: 0.40 ng/ul

RT: 12.00 min Scan# 661

Delta R.T. -0.00 min

Lab File: BM001123.D

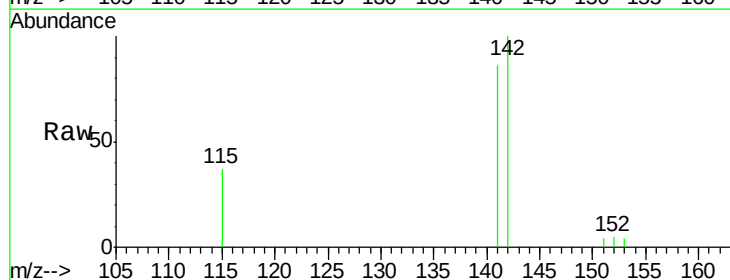
Acq: 27 Apr 2015 19:09

Tgt Ion:142 Resp: 2382

Ion Ratio Lower Upper

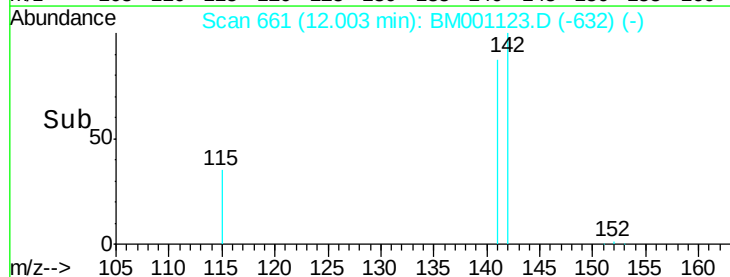
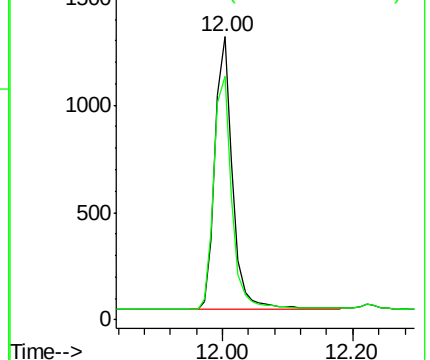
142 100

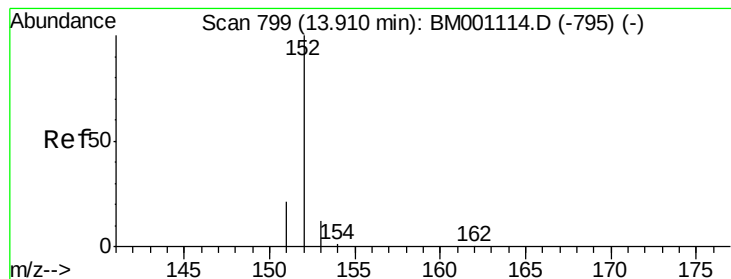
141 88.5 70.6 106.0



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: 13.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: BM001123.D

Acq: 27 Apr 2015 19:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.499

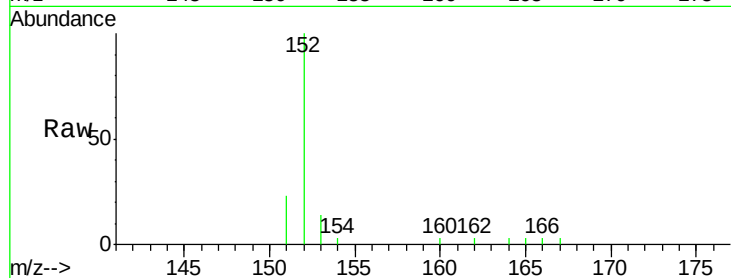
Tgt Ion:152 Resp: 3247

Ion Ratio Lower Upper

152 100

151 22.9 18.7 28.1

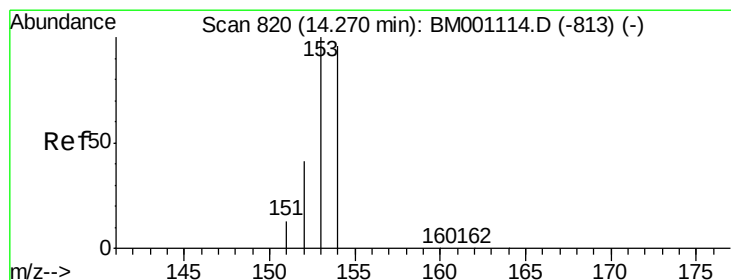
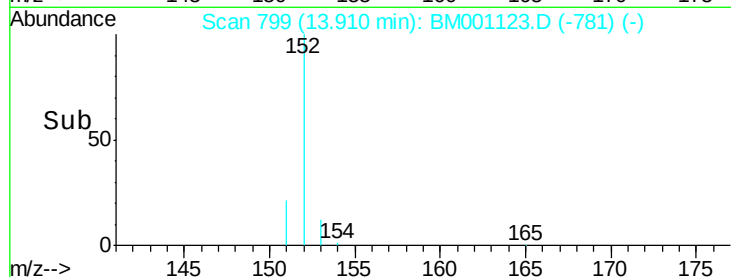
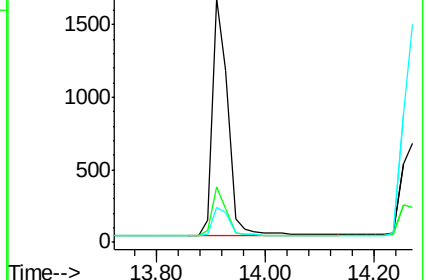
153 14.2 11.6 17.4



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: 0.40 ng/ul

RT: 14.27 min Scan# 820

Delta R.T. -0.00 min

Lab File: BM001123.D

Acq: 27 Apr 2015 19:09

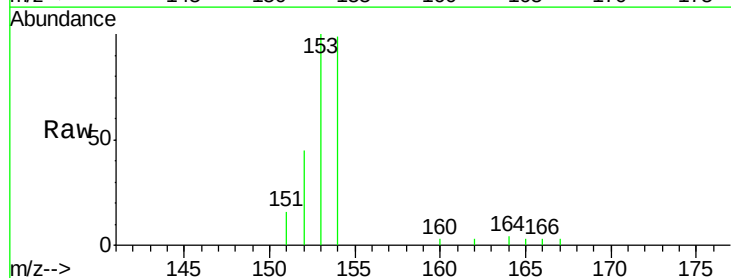
Tgt Ion:153 Resp: 2551

Ion Ratio Lower Upper

153 100

152 45.3 35.1 52.7

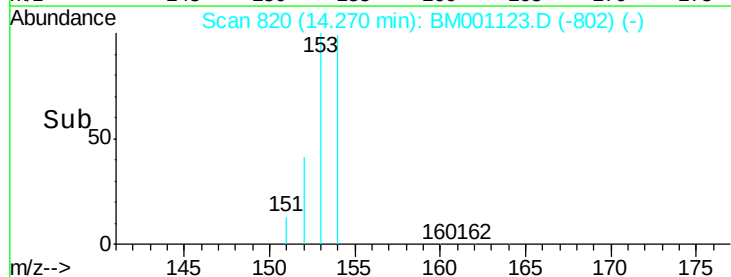
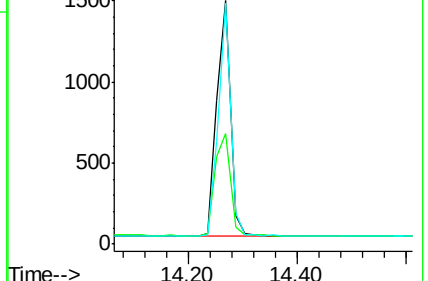
154 98.8 77.0 115.4

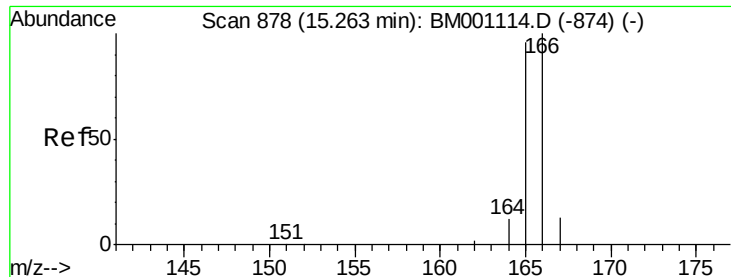


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.40 ng/ul

RT: 15.26 min Scan# 878

Delta R.T. -0.00 min

Lab File: BM001123.D

Acq: 27 Apr 2015 19:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.499

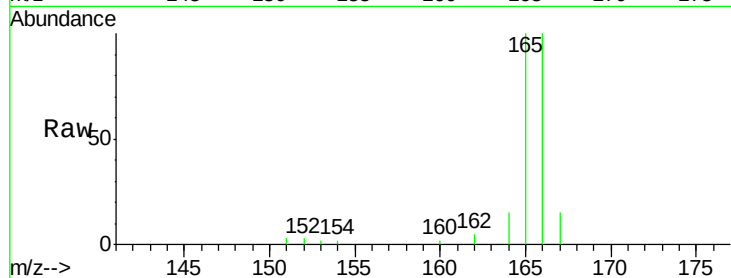
Tgt Ion:166 Resp: 2941

Ion Ratio Lower Upper

166 100

165 99.8 76.8 115.2

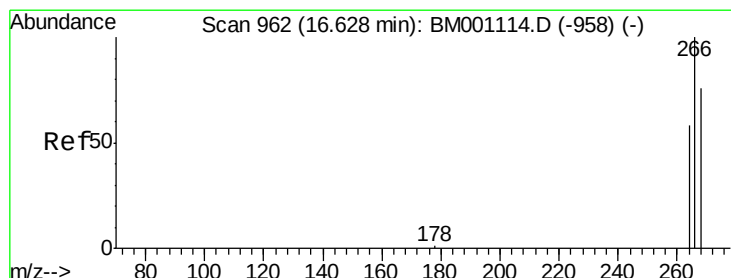
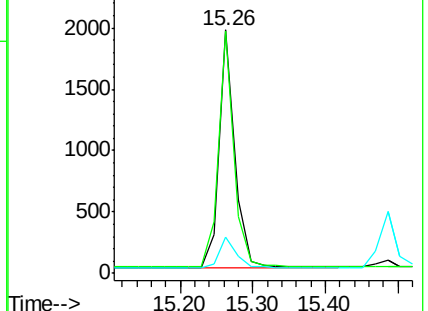
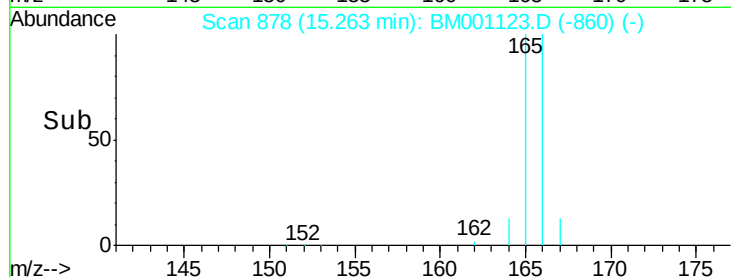
167 15.1 12.6 18.8



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: 0.29 ng/ul

RT: 16.63 min Scan# 962

Delta R.T. -0.00 min

Lab File: BM001123.D

Acq: 27 Apr 2015 19:09

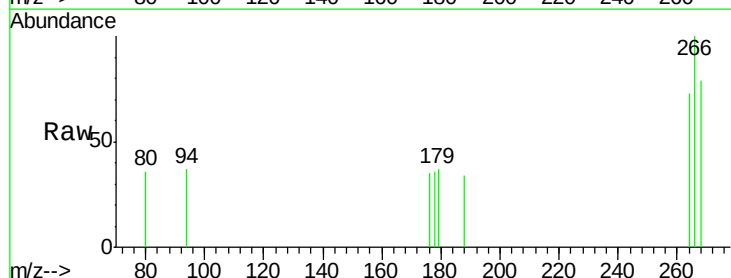
Tgt Ion:266 Resp: 215

Ion Ratio Lower Upper

266 100

264 57.7 51.3 76.9

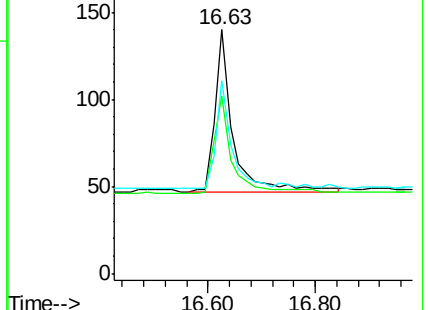
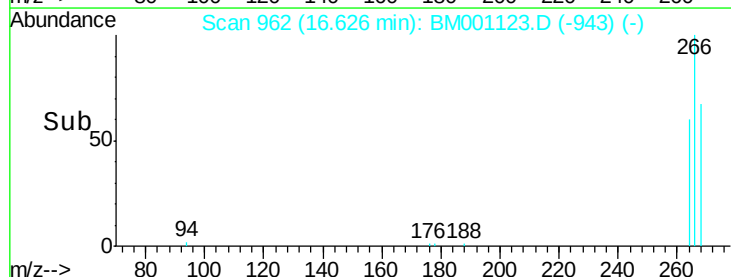
268 56.3 52.2 78.4

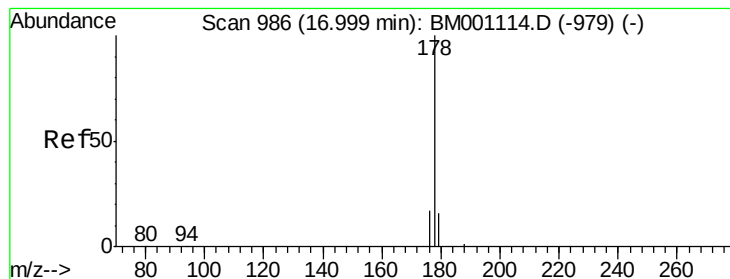


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.40 ng/ul

RT: 17.00 min Scan# 986

Delta R.T. -0.00 min

Lab File: BM001123.D

Acq: 27 Apr 2015 19:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.499

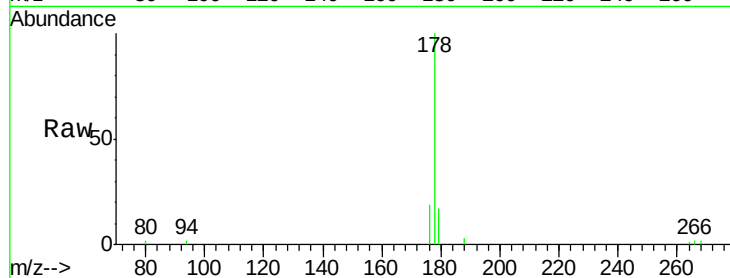
Tgt Ion:178 Resp: 4652

Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

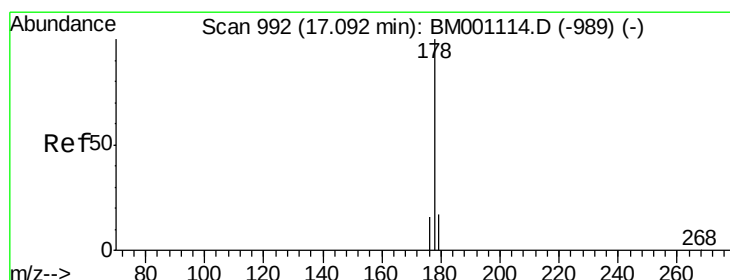
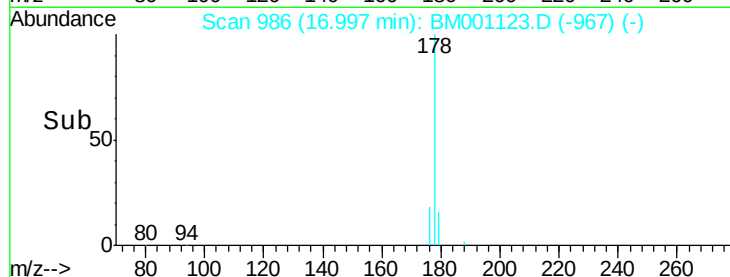
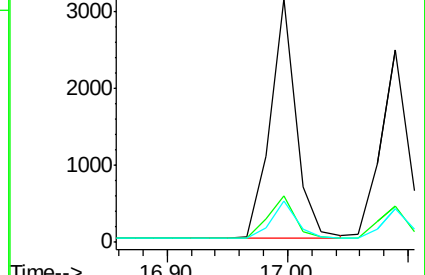
179 16.9 14.2 21.4



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: 0.40 ng/ul

RT: 17.09 min Scan# 992

Delta R.T. -0.00 min

Lab File: BM001123.D

Acq: 27 Apr 2015 19:09

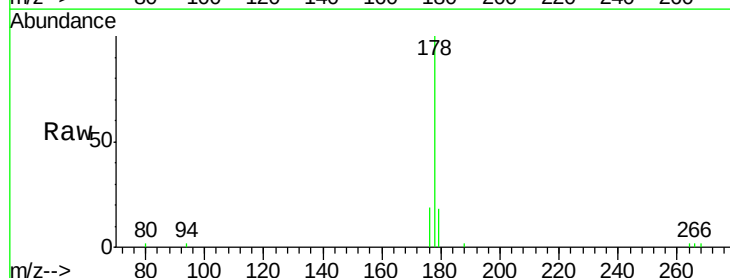
Tgt Ion:178 Resp: 4232

Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

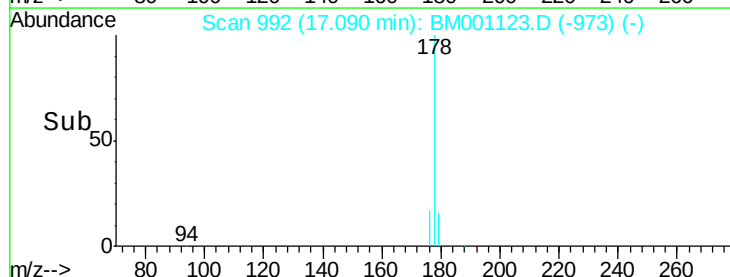
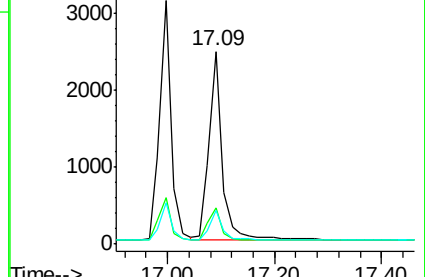
179 17.8 15.0 22.6

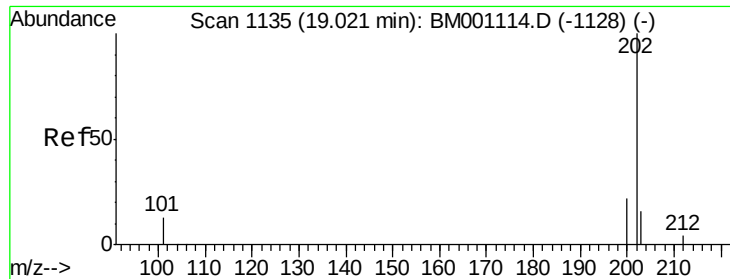


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.40 ng/ul

RT: 19.02 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM001123.D

Acq: 27 Apr 2015 19:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.499

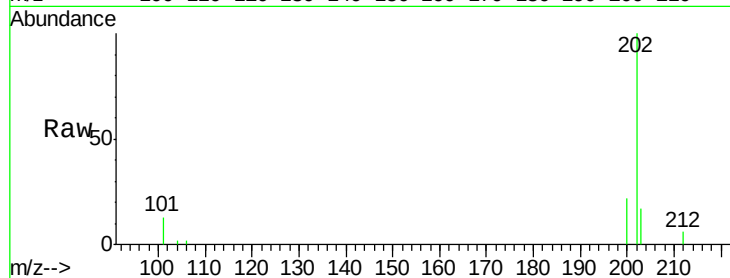
Tgt Ion:202 Resp: 5352

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.8

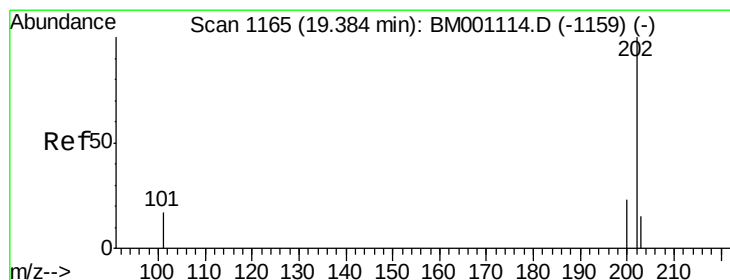
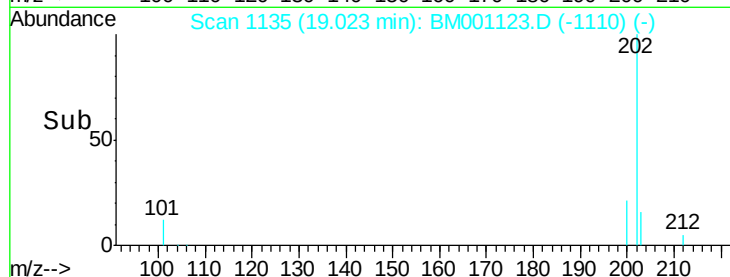
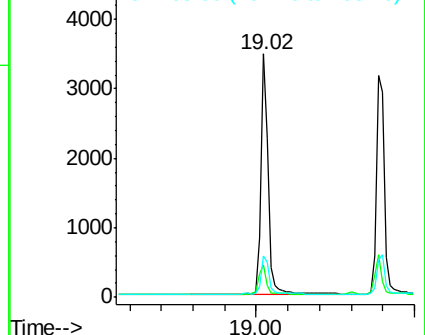
203 17.2 0.0 37.2



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: 0.40 ng/ul

RT: 19.39 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BM001123.D

Acq: 27 Apr 2015 19:09

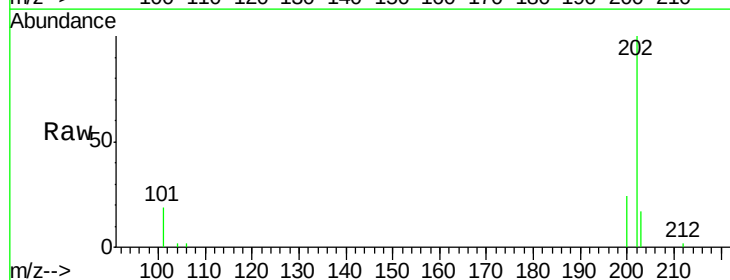
Tgt Ion:202 Resp: 5447

Ion Ratio Lower Upper

202 100

200 23.5 19.2 28.8

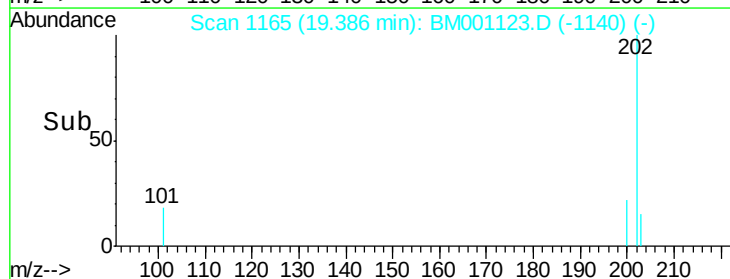
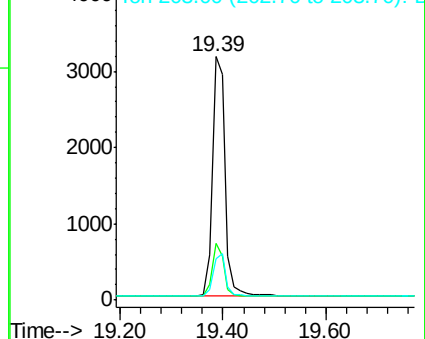
203 16.9 13.2 19.8

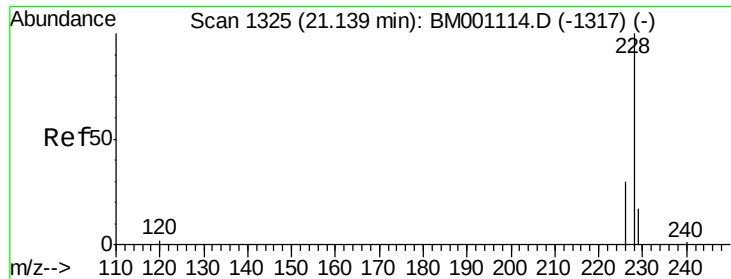


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.39 ng/ul

RT: 21.14 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BM001123.D

Acq: 27 Apr 2015 19:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.499

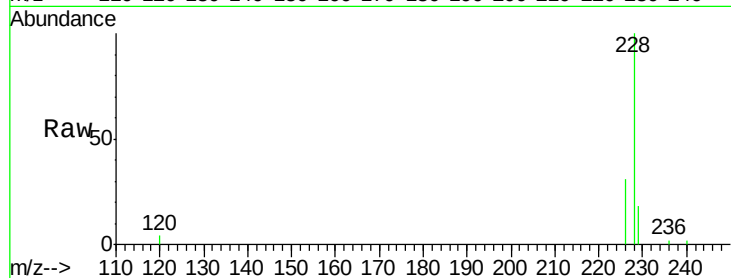
Tgt Ion:228 Resp: 4498

Ion Ratio Lower Upper

228 100

226 31.4 24.4 36.6

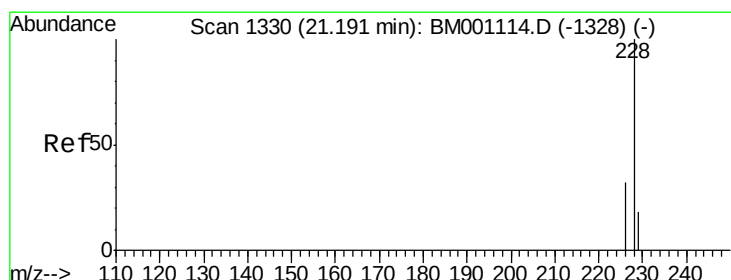
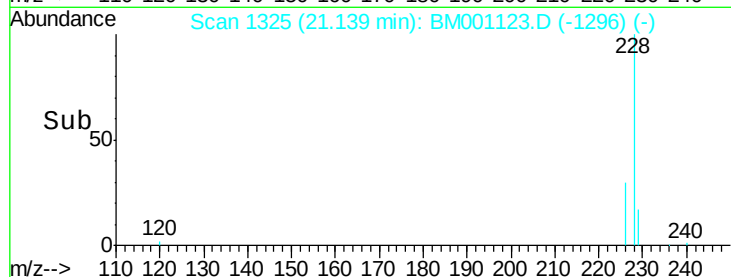
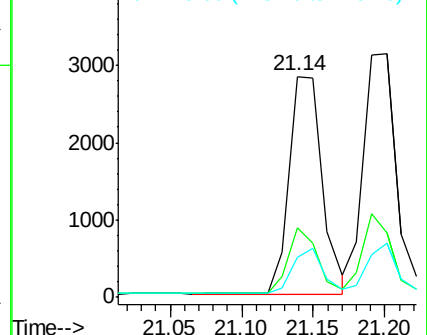
229 18.3 15.0 22.4



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: 0.42 ng/ul

RT: 21.20 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BM001123.D

Acq: 27 Apr 2015 19:09

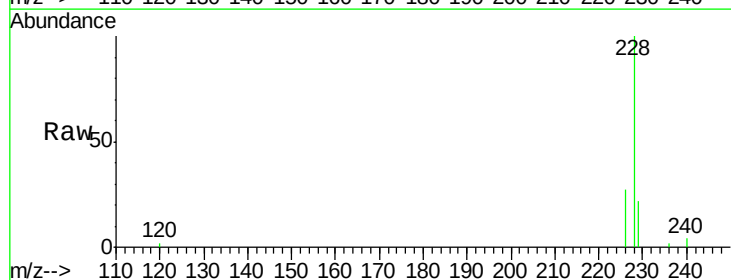
Tgt Ion:228 Resp: 5296

Ion Ratio Lower Upper

228 100

226 26.6 26.0 39.0

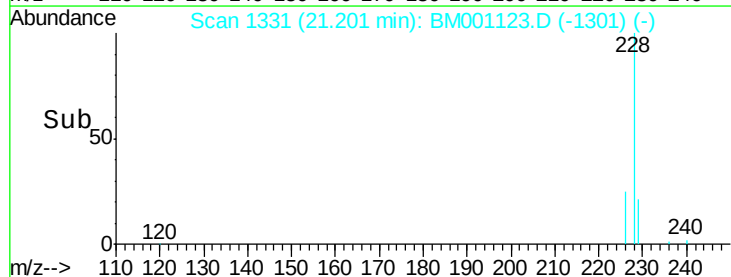
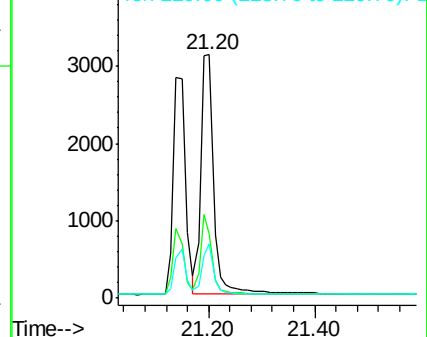
229 22.2 15.2 22.8

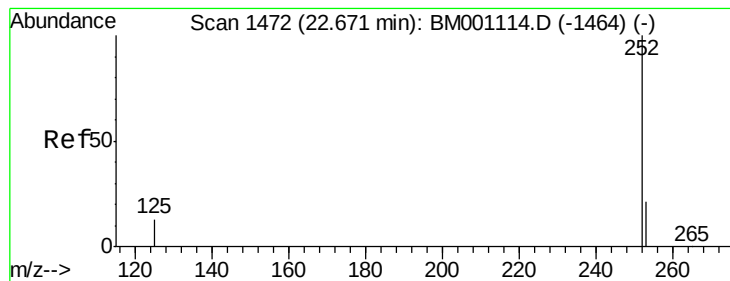


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.40 ng/ul

RT: 22.67 min Scan# 1472

Delta R.T. -0.00 min

Lab File: BM001123.D

Acq: 27 Apr 2015 19:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.499

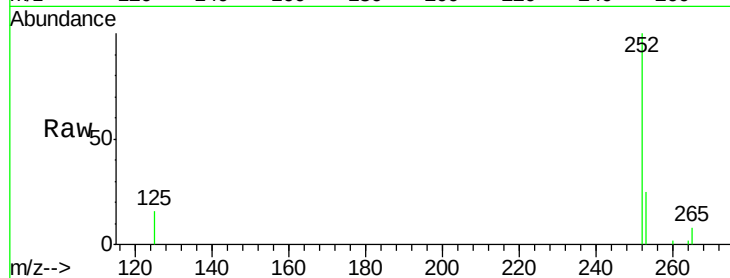
Tgt Ion:252 Resp: 4888

Ion Ratio Lower Upper

252 100

253 24.5 0.0 49.8

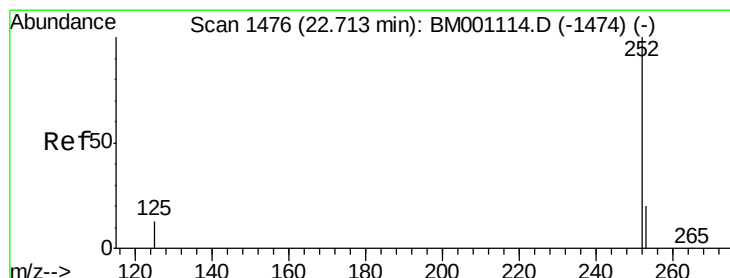
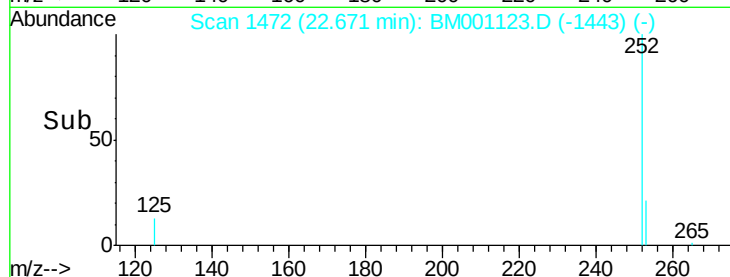
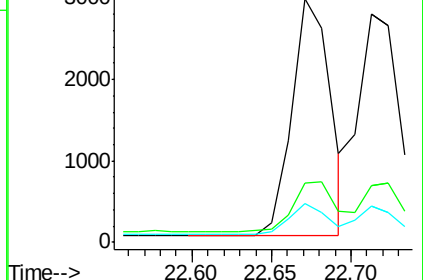
125 15.8 0.0 31.6



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: 0.41 ng/ul

RT: 22.71 min Scan# 1476

Delta R.T. -0.00 min

Lab File: BM001123.D

Acq: 27 Apr 2015 19:09

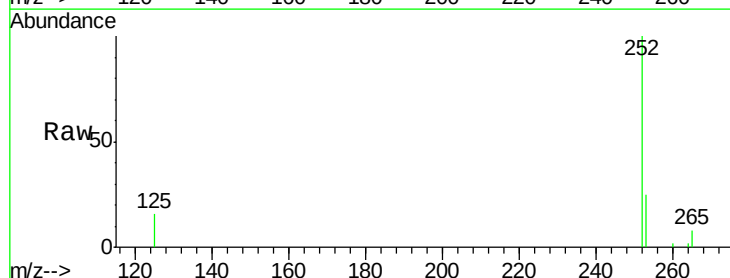
Tgt Ion:252 Resp: 5252

Ion Ratio Lower Upper

252 100

253 24.6 20.3 30.5

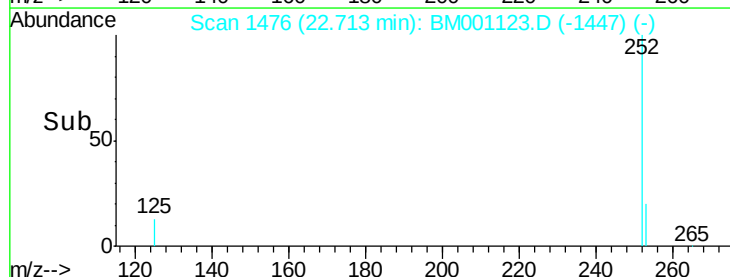
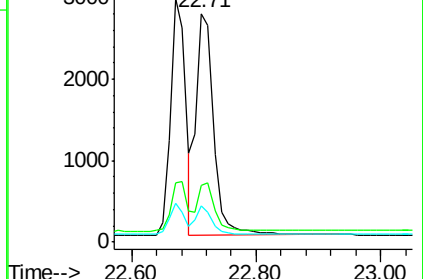
125 16.0 12.6 19.0

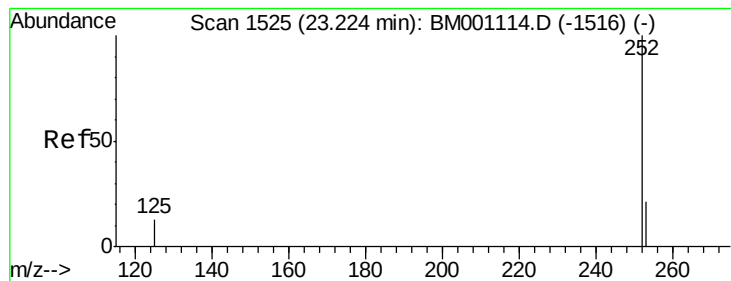


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 23.22 min Scan# 1525

Delta R.T. -0.00 min

Lab File: BM001123.D

Acq: 27 Apr 2015 19:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.499

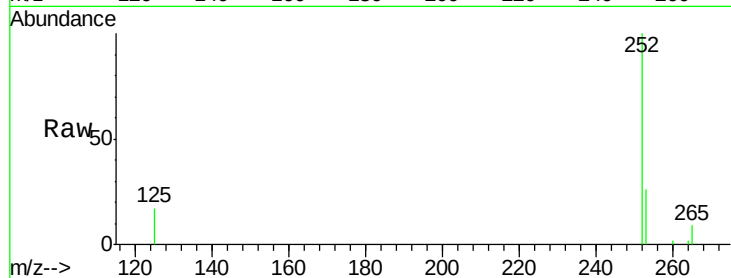
Tgt Ion:252 Resp: 4865

Ion Ratio Lower Upper

252 100

253 26.2 21.4 32.0

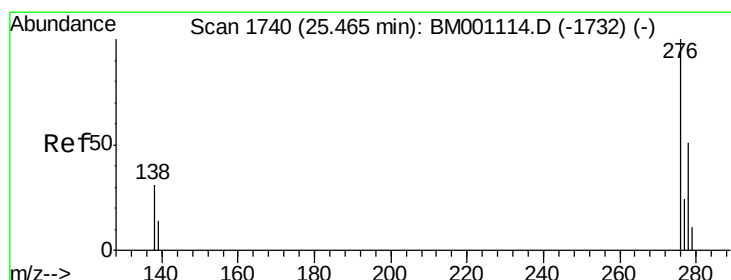
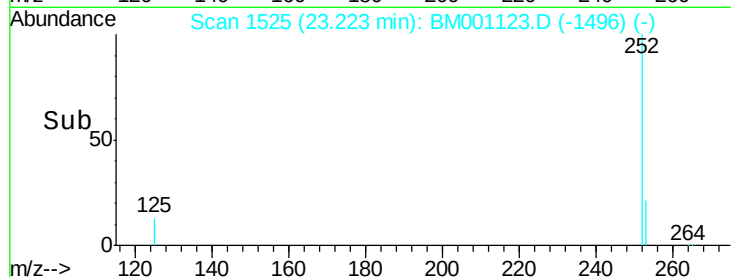
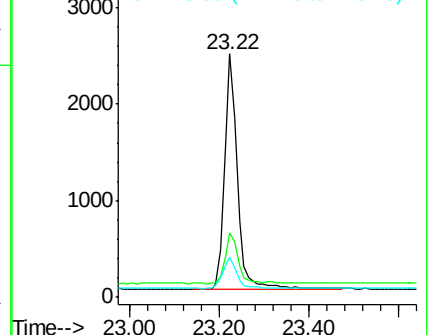
125 16.6 13.8 20.6



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: 0.40 ng/ul

RT: 25.46 min Scan# 1740

Delta R.T. -0.00 min

Lab File: BM001123.D

Acq: 27 Apr 2015 19:09

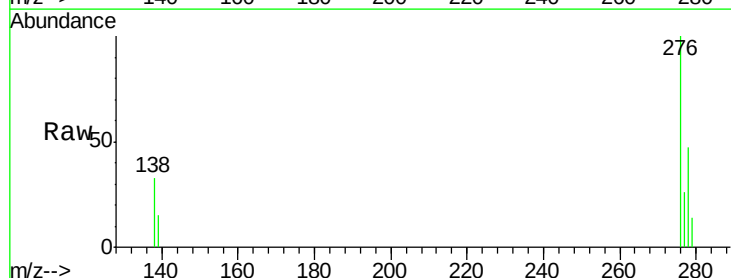
Tgt Ion:276 Resp: 5535

Ion Ratio Lower Upper

276 100

138 31.1 25.0 37.4

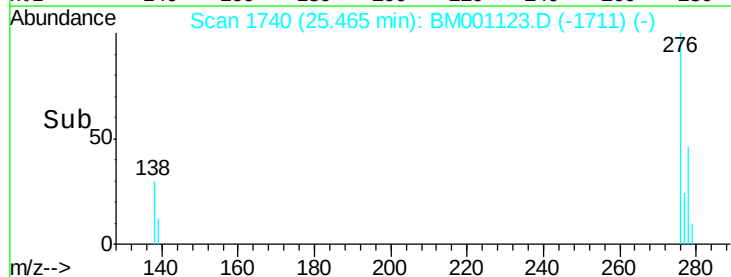
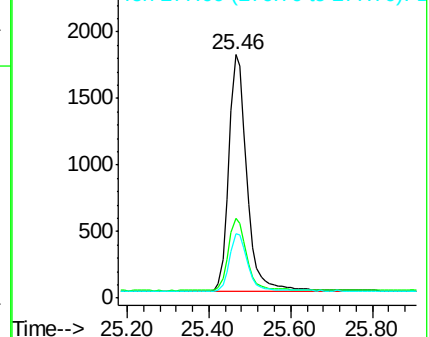
277 24.6 19.9 29.9

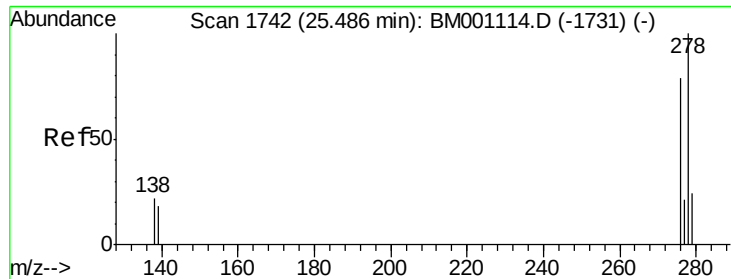


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.49 min Scan# 1742

Delta R.T. -0.00 min

Lab File: BM001123.D

Acq: 27 Apr 2015 19:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.499

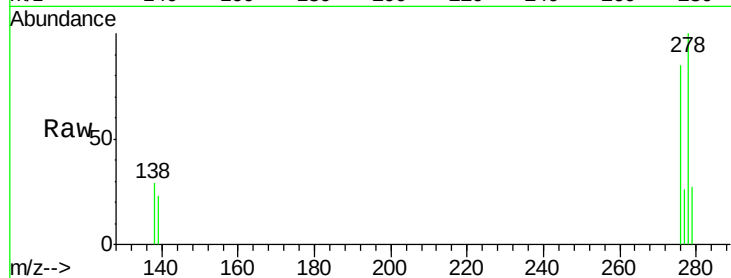
Tgt Ion: 278 Resp: 4417

Ion Ratio Lower Upper

278 100

139 23.1 17.3 25.9

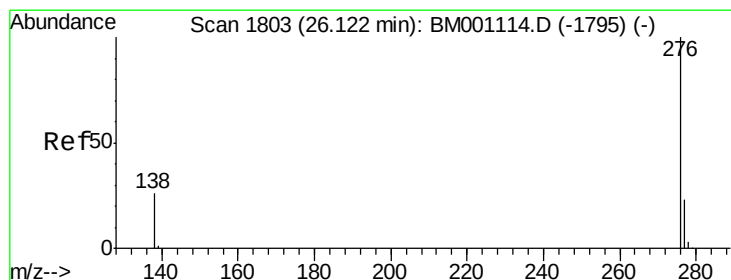
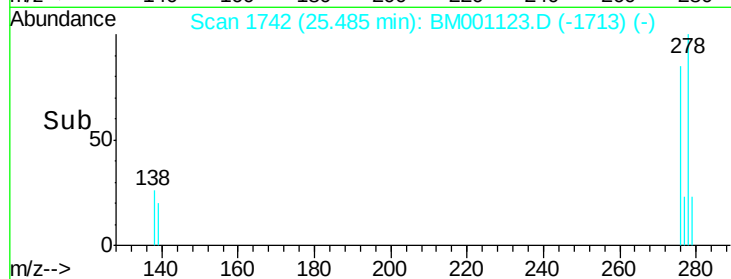
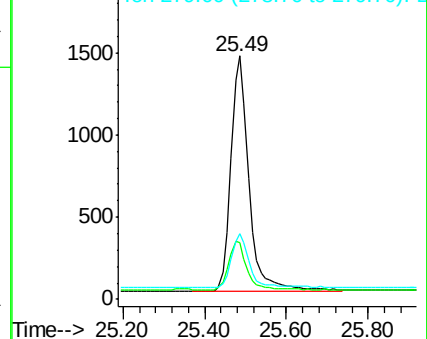
279 27.0 22.2 33.4



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: 26.12 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BM001123.D

Acq: 27 Apr 2015 19:09

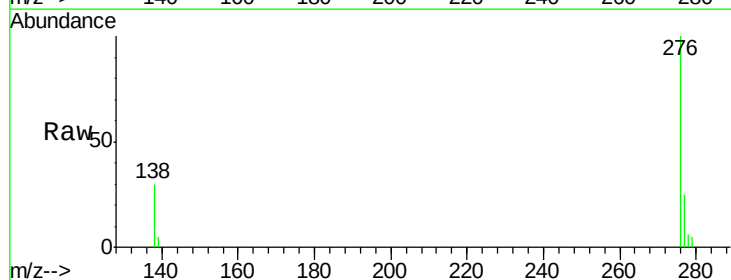
Tgt Ion: 276 Resp: 4873

Ion Ratio Lower Upper

276 100

277 25.4 20.5 30.7

138 29.8 23.5 35.3



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

