

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121515\
 Data File : BM003553.D
 Acq On : 15 Dec 2015 17:48
 Operator : UM/IZ
 Sample : SSTD1.651
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.651

Quant Time: Dec 15 18:23:48 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 : Tue Dec 15 18:00:28 2015
 Response via : Initial Calibration

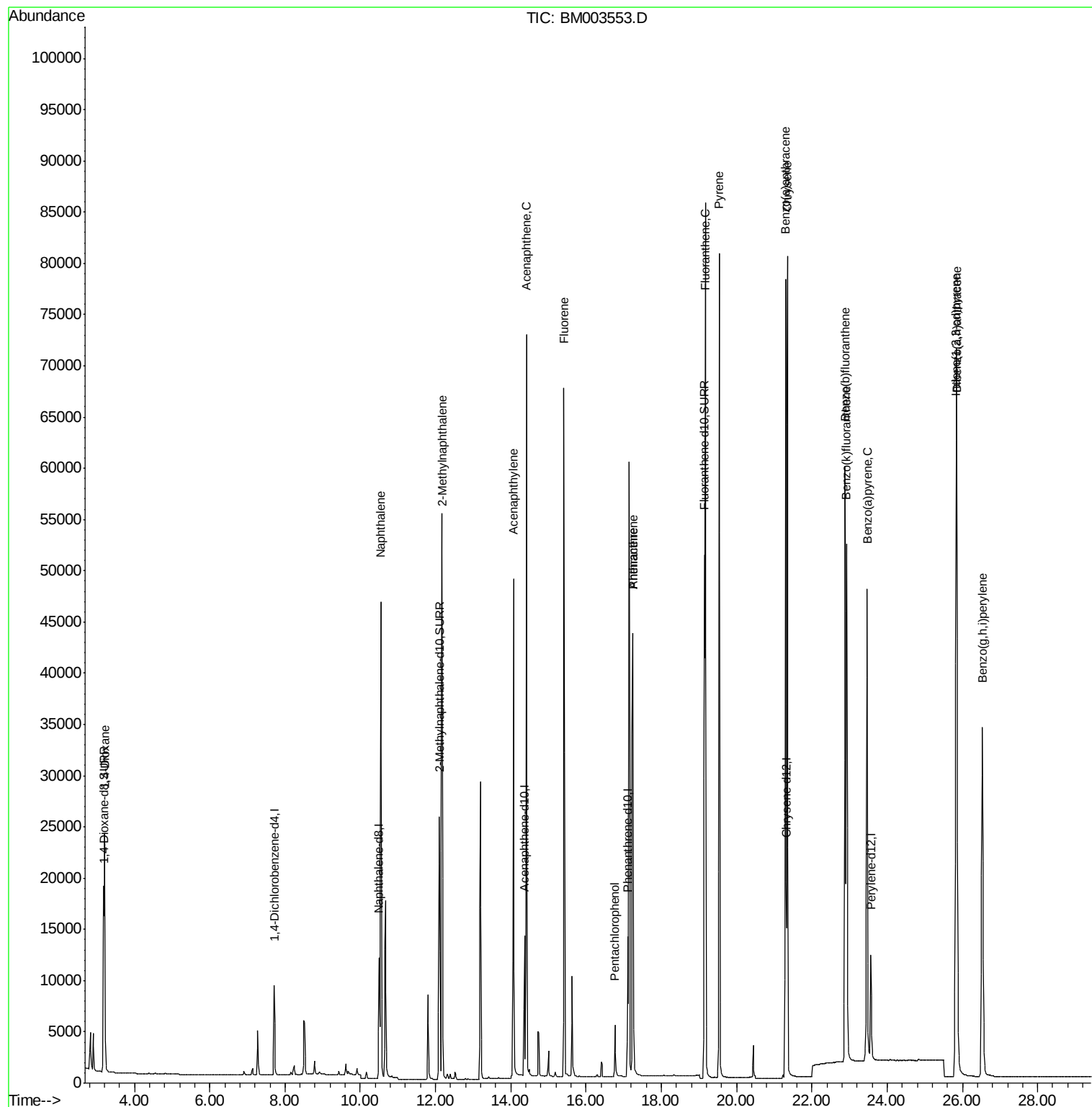
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	4822	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	17507	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	8410	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.11	188	16813	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	18802	0.40	ng/ul	0.00
22) Perylene-d12	23.57	264	14138	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.18	96	17048	1.67	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.10	152	33805	1.61	ng/ul	0.00
16) Fluoranthene-d10	19.15	212	58783	1.66	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.21	88	20590	1.56	ng/ul#	100
5) Naphthalene	10.55	128	65272	1.67	ng/ul	98
7) 2-Methylnaphthalene	12.17	142	43794	1.67	ng/ul	99
9) Acenaphthylene	14.07	152	55583	1.77	ng/ul	95
10) Acenaphthene	14.42	153	43181	1.69	ng/ul	85
11) Fluorene	15.41	166	47713	1.68	ng/ul#	81
13) Pentachlorophenol	16.76	266	4036	1.77	ng/ul	96
14) Phenanthrene	17.24	178	63027	1.47	ng/ul	99
15) Anthracene	17.24	178	64723	1.76	ng/ul	98
17) Fluoranthene	19.17	202	81066	1.75	ng/ul	99
19) Pyrene	19.54	202	78725	1.54	ng/ul	100
20) Benzo(a)anthracene	21.30	228	71125	1.54	ng/ul	99
21) Chrysene	21.35	228	76255	1.42	ng/ul	99
23) Benzo(b)fluoranthene	22.88	252	73156	1.50	ng/ul	96
24) Benzo(k)fluoranthene	22.92	252	72815	1.68	ng/ul	95
25) Benzo(a)pyrene	23.47	252	68354	1.70	ng/ul#	95
26) Indeno(1,2,3-cd)pyrene	25.83	276	82318	1.79	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.85	278	67213	1.82	ng/ul	97
28) Benzo(g,h,i)perylene	26.53	276	70958	1.76	ng/ul	98

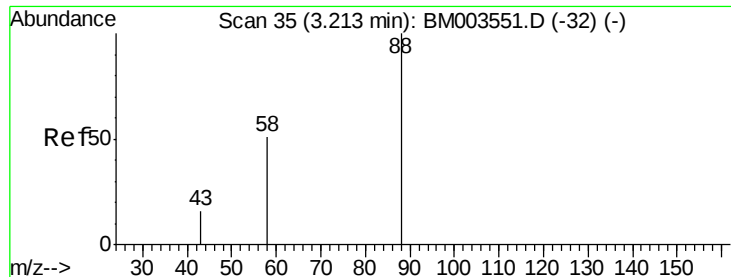
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.56 ng/ul

RT: 3.21 min Scan# 35

Delta R.T. 0.00 min

Lab File: BM003553.D

Acq: 15 Dec 2015 17:48

Instrument :

BNA_M

ClientSampleId :

SSTD1.651

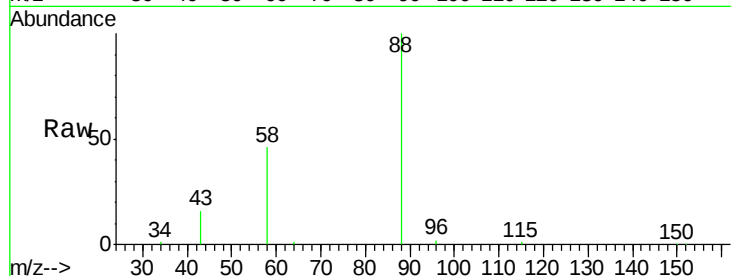
Tot Ion: 88 Resp: 20590

Ion Ratio Lower Upper

88 100

58 60.7 0.0 0.0#

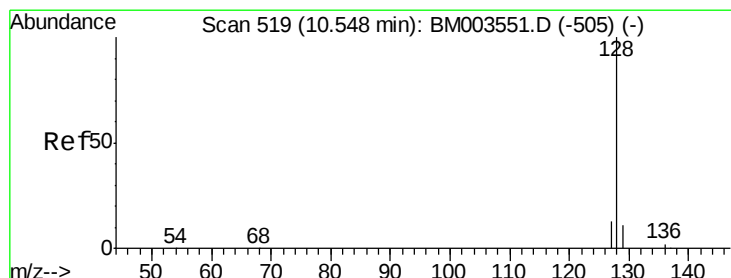
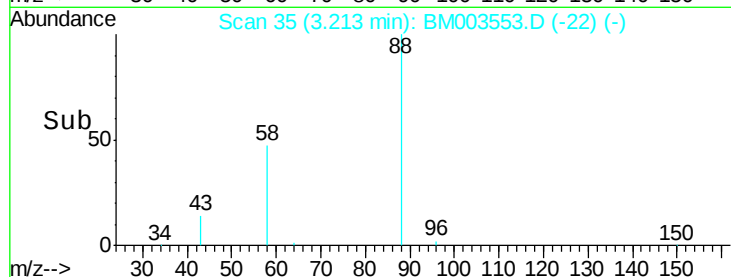
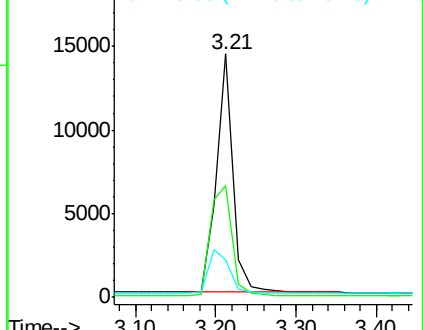
43 22.7 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM003553.D (-22) (-)

Ion 58.00 (57.70 to 58.70): BM003553.D (-22) (-)

Ion 43.00 (42.70 to 43.70): BM003553.D (-22) (-)



#5

Naphthalene

Concen: 1.67 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003553.D

Acq: 15 Dec 2015 17:48

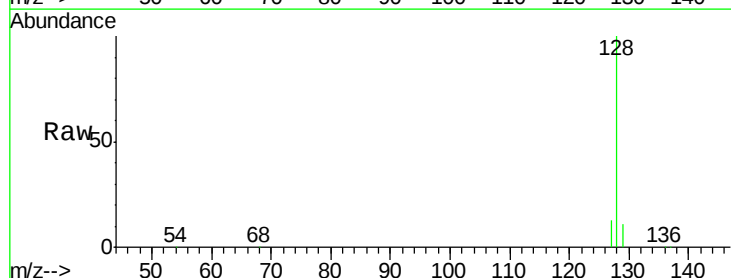
Tgt Ion: 128 Resp: 65272

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

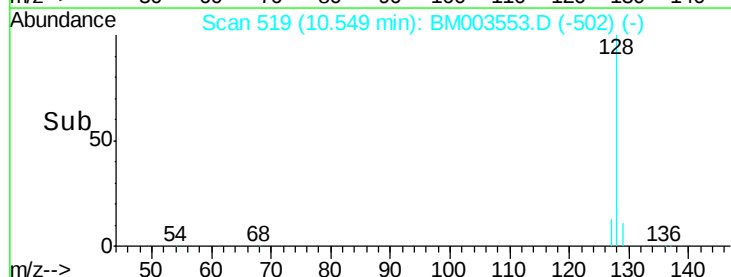
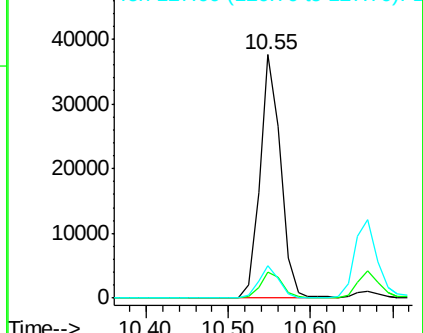
127 13.3 9.6 14.4

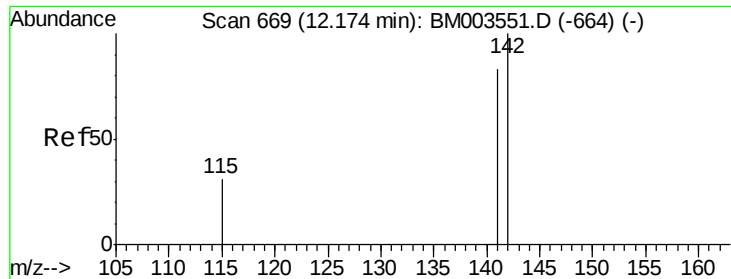


Abundance Ion 128.00 (127.70 to 128.70): BM003553.D (-502) (-)

Ion 129.00 (128.70 to 129.70): BM003553.D (-502) (-)

Ion 127.00 (126.70 to 127.70): BM003553.D (-502) (-)





#7

2-Methylnaphthalene

Concen: 1.67 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM003553.D

Acq: 15 Dec 2015 17:48

Instrument :

BNA_M

ClientSampleId :

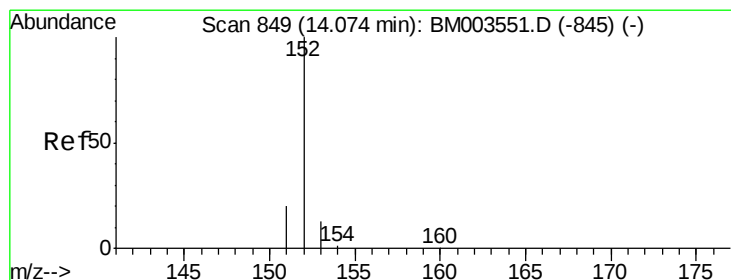
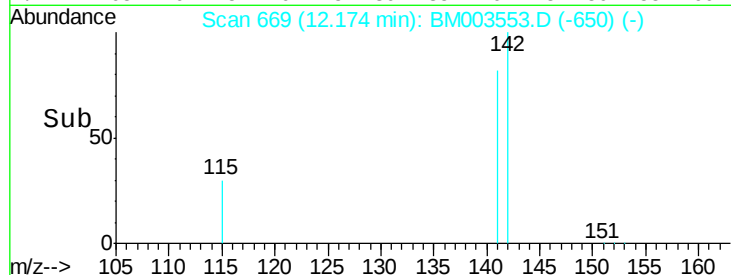
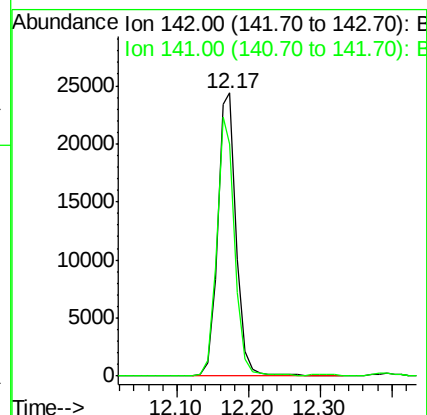
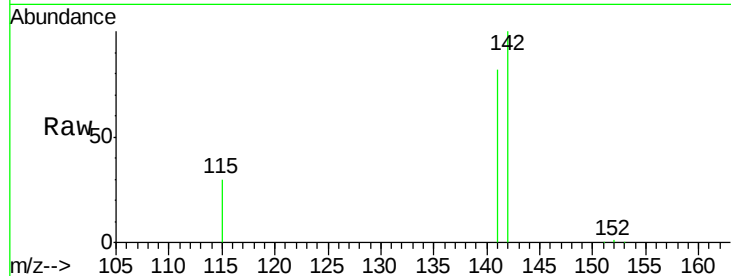
SSTD1.651

Tot Ion:142 Resp: 43794

Ion Ratio Lower Upper

142 100

141 88.9 70.3 105.5



#9

Acenaphthylene

Concen: 1.77 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003553.D

Acq: 15 Dec 2015 17:48

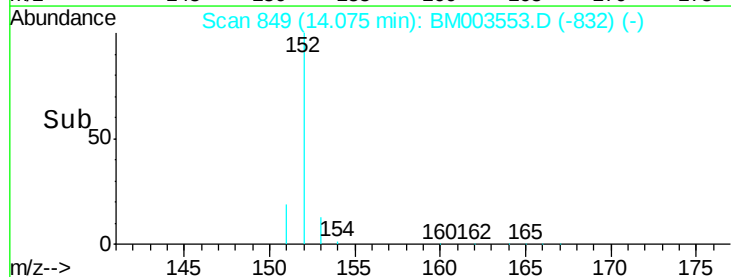
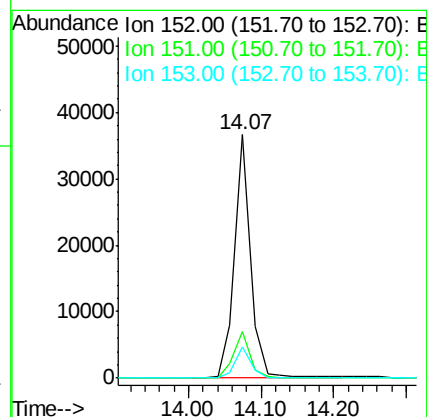
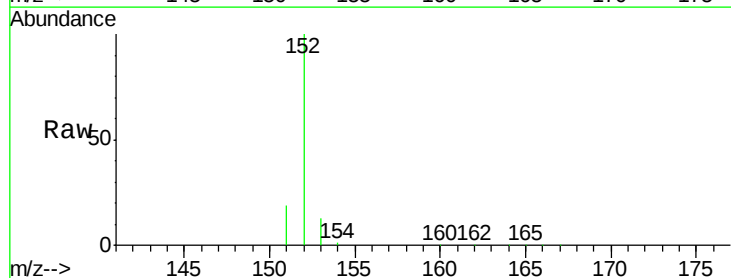
Tgt Ion:152 Resp: 55583

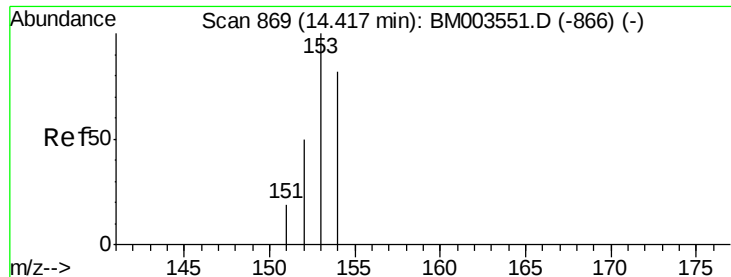
Ion Ratio Lower Upper

152 100

151 19.1 17.6 26.4

153 13.0 9.7 14.5





#10

Acenaphthene

Concen: 1.69 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003553.D

Acq: 15 Dec 2015 17:48

Instrument :

BNA_M

ClientSampleId :

SSTD1.651

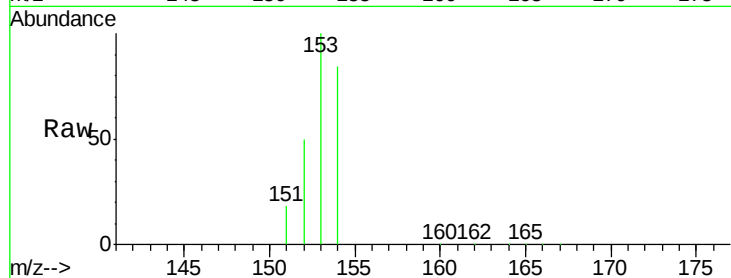
Tot Ion:153 Resp: 43181

Ion Ratio Lower Upper

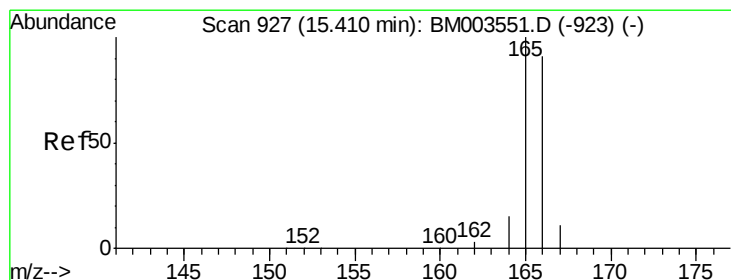
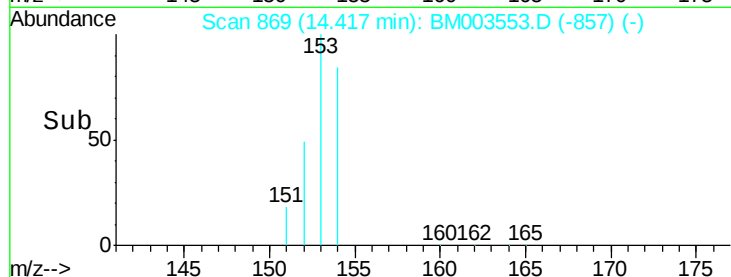
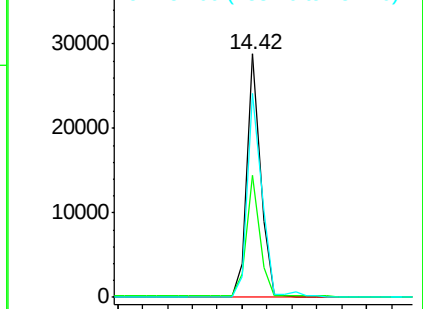
153 100

152 50.0 33.9 50.9

154 83.8 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: 1.68 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM003553.D

Acq: 15 Dec 2015 17:48

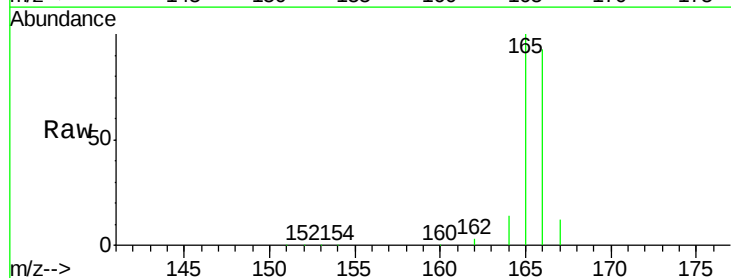
Tgt Ion:166 Resp: 47713

Ion Ratio Lower Upper

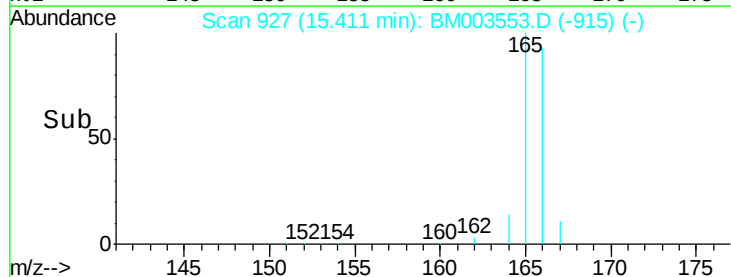
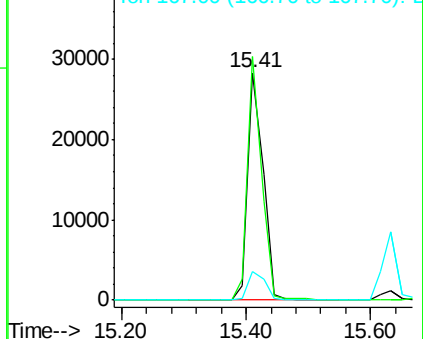
166 100

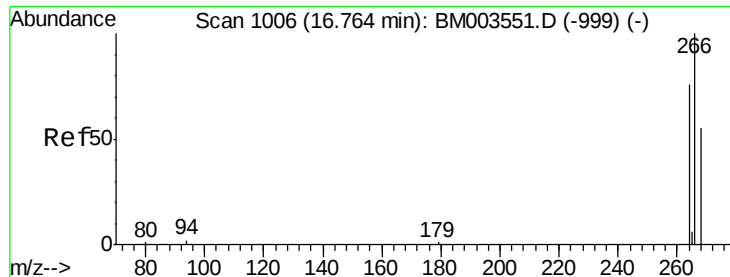
165 107.1 69.6 104.4#

167 12.5 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

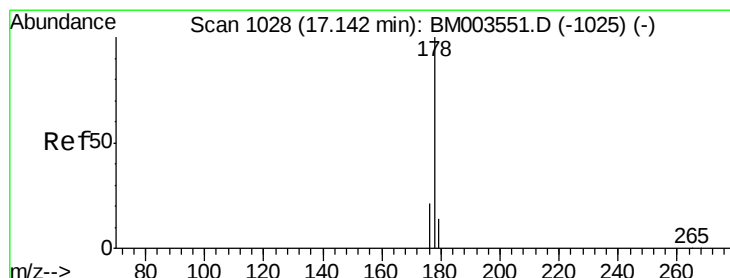
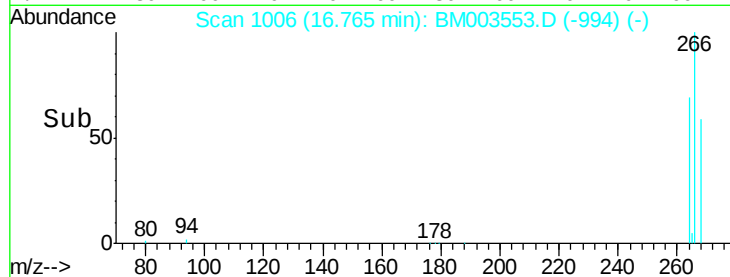
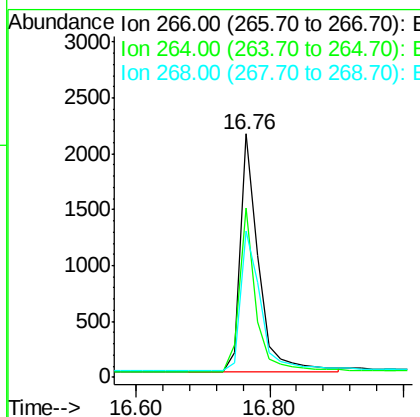
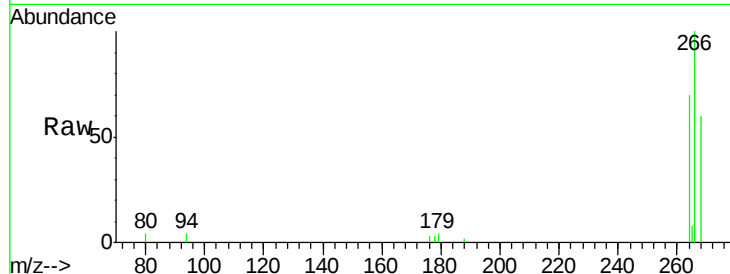




#13
 Pentachlorophenol
 Concen: 1.77 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BM003553.D
 Acq: 15 Dec 2015 17:48

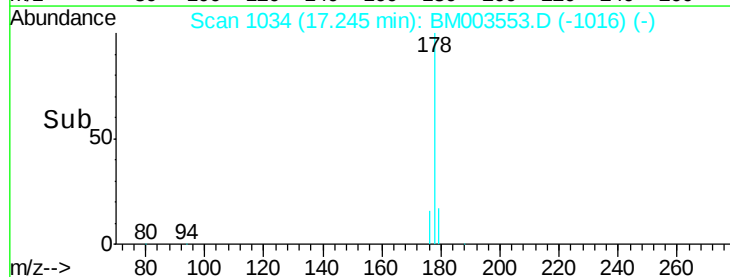
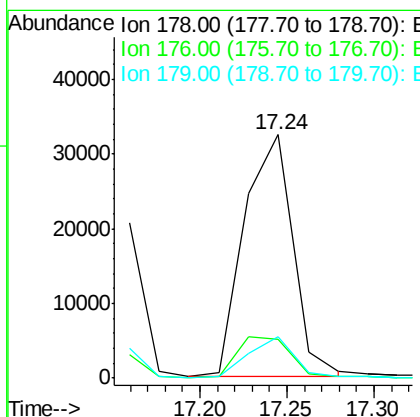
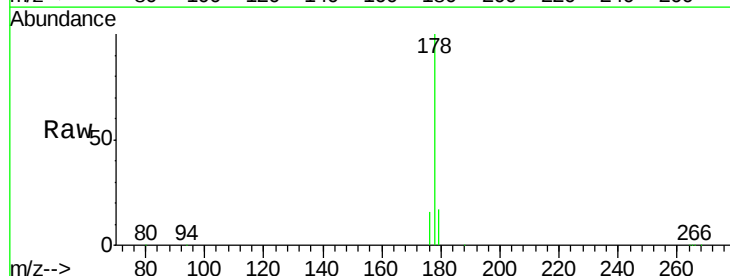
Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.651

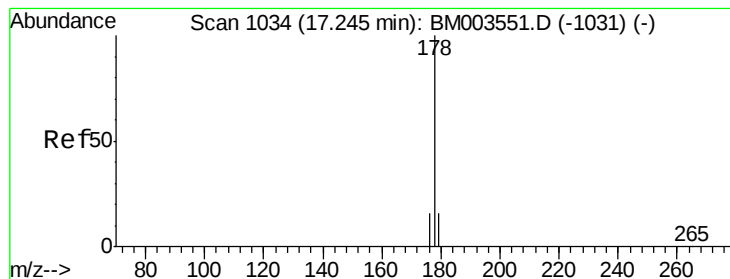
Tot Ion:266 Resp: 4036
 Ion Ratio Lower Upper
 266 100
 264 63.9 51.8 77.8
 268 63.6 46.8 70.2



#14
 Phenanthrene
 Concen: 1.47 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. 0.10 min
 Lab File: BM003553.D
 Acq: 15 Dec 2015 17:48

Tgt Ion:178 Resp: 63027
 Ion Ratio Lower Upper
 178 100
 176 16.2 13.0 19.4
 179 16.9 14.2 21.2





#15

Anthracene

Concen: 1.76 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM003553.D

Acq: 15 Dec 2015 17:48

Instrument :

BNA_M

ClientSampleId :

SSTD1.651

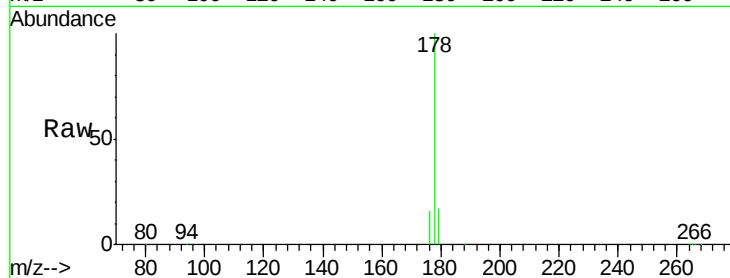
Tot Ion:178 Resp: 64723

Ion Ratio Lower Upper

178 100

176 16.2 14.0 21.0

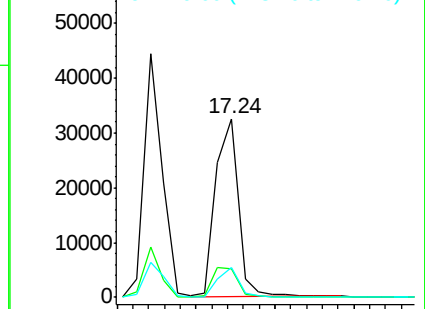
179 16.9 12.9 19.3



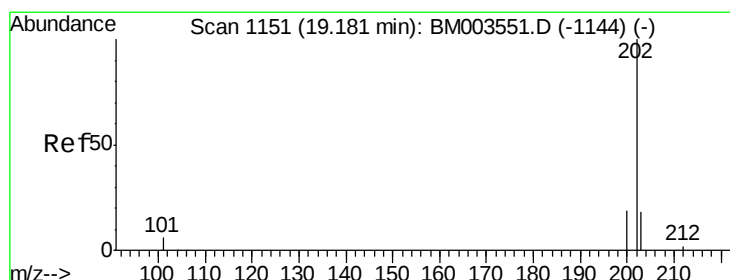
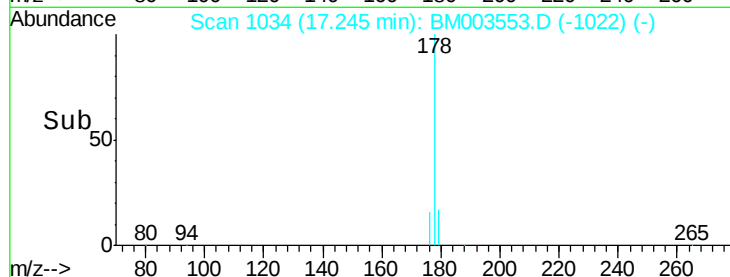
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.10 17.20 17.30 17.40



#17

Fluoranthene

Concen: 1.75 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BM003553.D

Acq: 15 Dec 2015 17:48

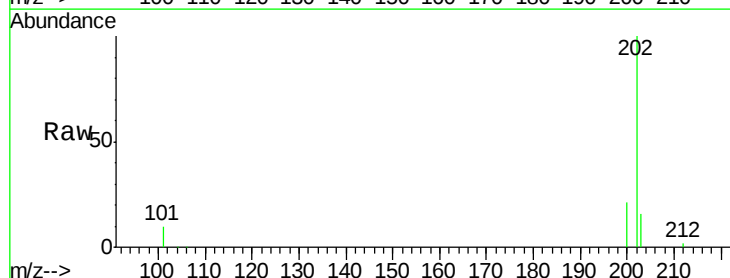
Tgt Ion:202 Resp: 81066

Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.6

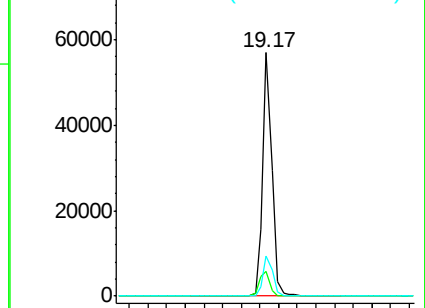
203 16.4 0.0 36.3



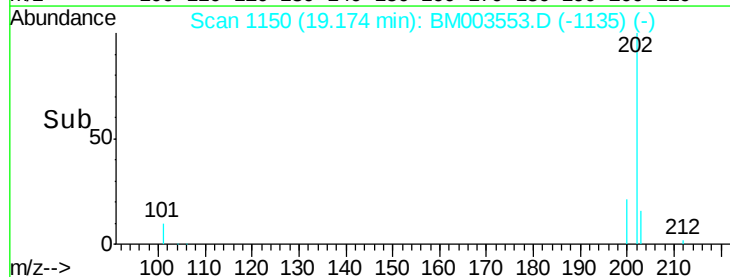
Abundance Ion 202.00 (201.70 to 202.70): E

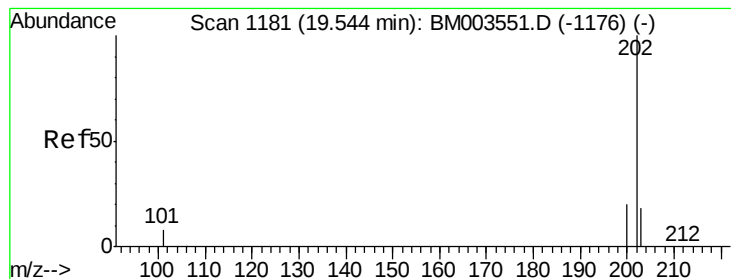
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.00 19.20 19.40





#19

Pvrene

Concen: 1.54 ng/ul

RT: 19.54 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BM003553.D

Acq: 15 Dec 2015 17:48

Instrument :

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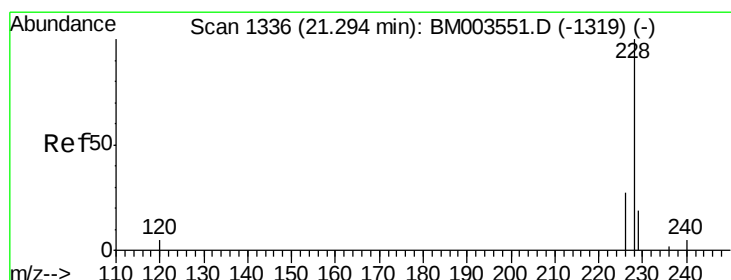
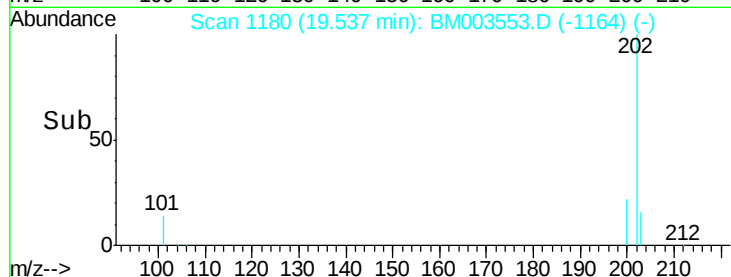
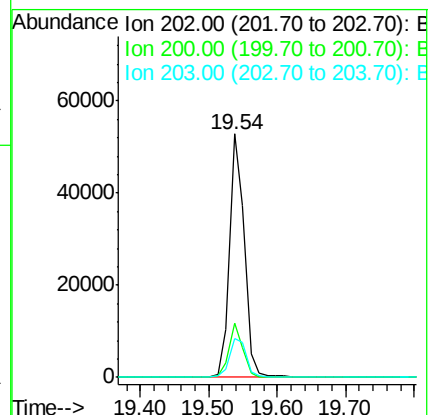
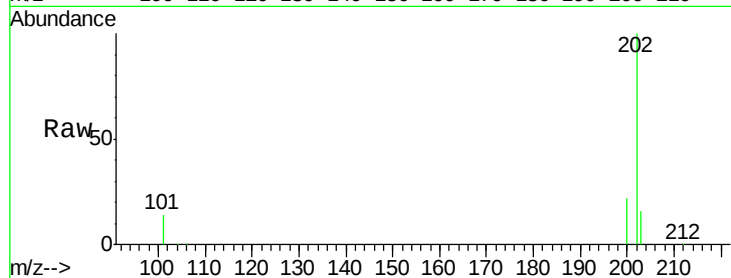
Tot Ion:202 Resp: 78725

Ion Ratio Lower Upper

202 100

200 22.4 17.8 26.8

203 15.8 12.8 19.2



#20

Benzo(a)anthracene

Concen: 1.54 ng/ul

RT: 21.30 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BM003553.D

Acq: 15 Dec 2015 17:48

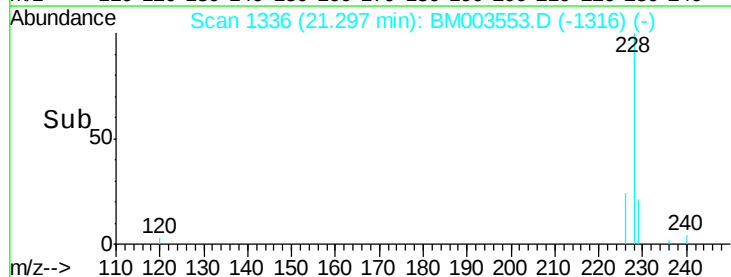
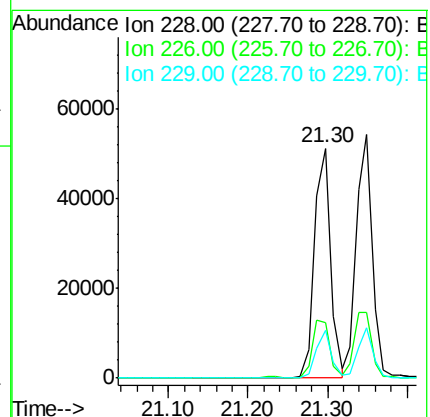
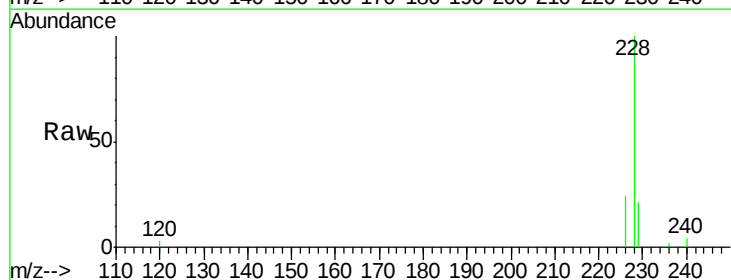
Tgt Ion:228 Resp: 71125

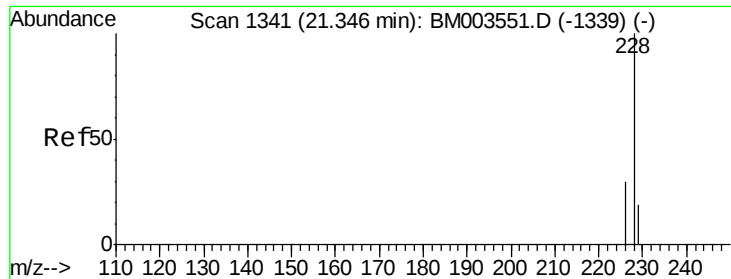
Ion Ratio Lower Upper

228 100

226 24.2 18.8 28.2

229 21.0 17.1 25.7





#21

Chrysene

Concen: 1.42 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BM003553.D

Acq: 15 Dec 2015 17:48

Instrument :

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ClientSampleId :

SSTD1.651

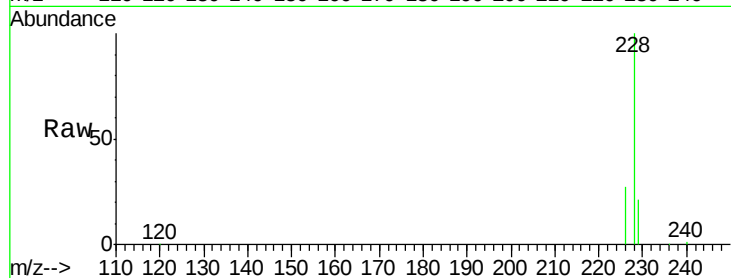
Tot Ion:228 Resp: 76255

Ion Ratio Lower Upper

228 100

226 27.0 21.2 31.8

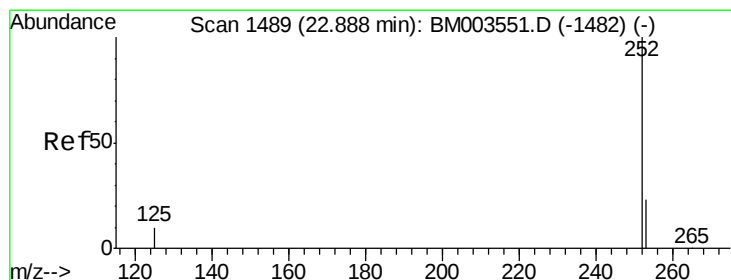
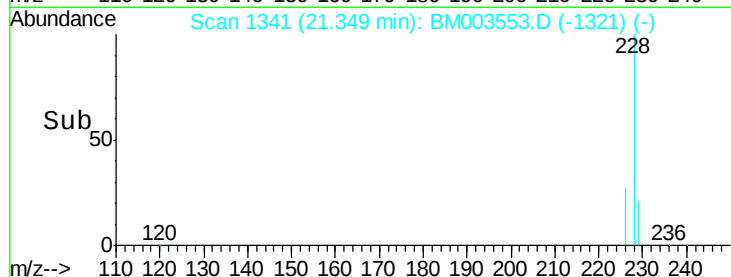
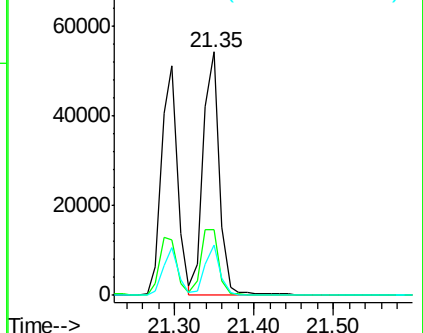
229 20.7 17.0 25.6



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



#23

Benzo(b)fluoranthene

Concen: 1.50 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.01 min

Lab File: BM003553.D

Acq: 15 Dec 2015 17:48

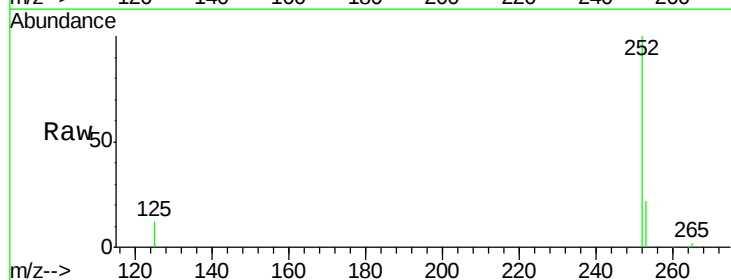
Tgt Ion:252 Resp: 73156

Ion Ratio Lower Upper

252 100

253 21.6 0.0 45.4

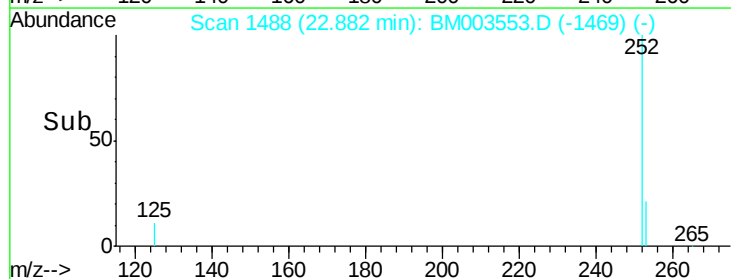
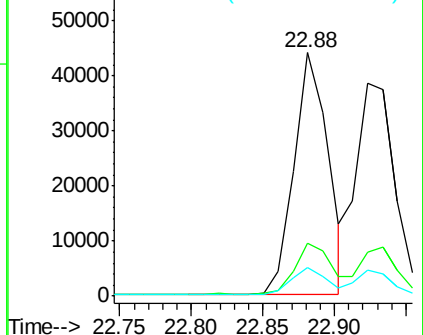
125 11.9 0.0 28.8

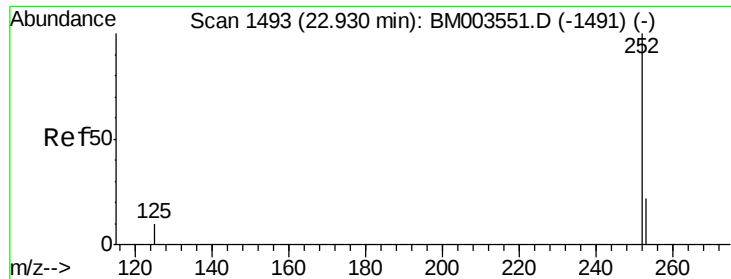


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 1.68 ng/ul

RT: 22.92 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BM003553.D

Acq: 15 Dec 2015 17:48

Instrument :

BNA_M

ClientSampleId :

SSTD1.651

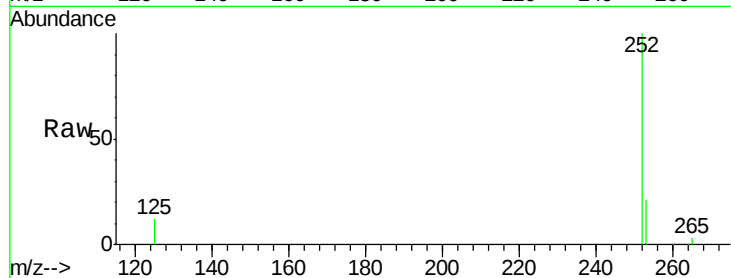
Tot Ion:252 Resp: 72815

Ion Ratio Lower Upper

252 100

253 21.0 19.8 29.8

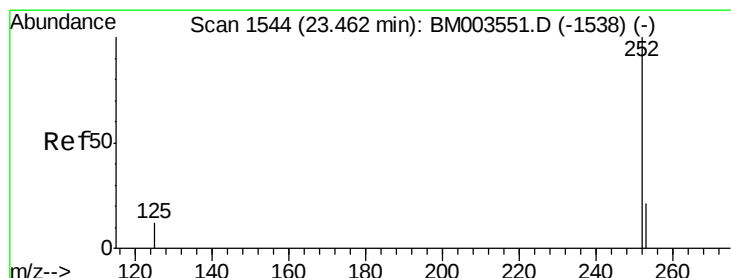
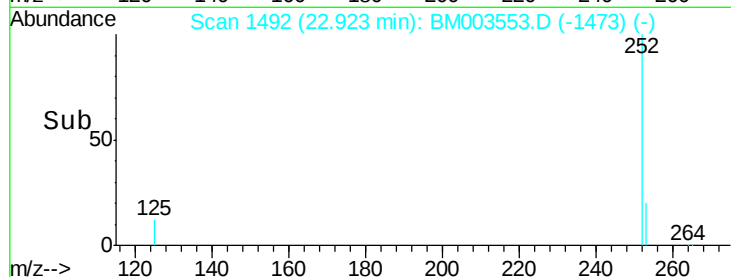
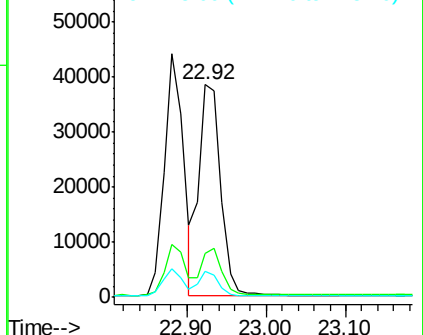
125 12.5 10.4 15.6



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: 1.70 ng/ul

RT: 23.47 min Scan# 1544

Delta R.T. 0.00 min

Lab File: BM003553.D

Acq: 15 Dec 2015 17:48

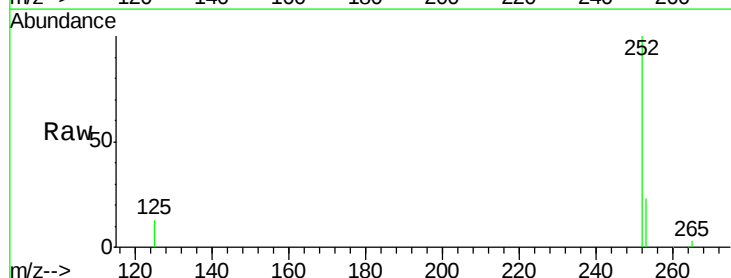
Tgt Ion:252 Resp: 68354

Ion Ratio Lower Upper

252 100

253 23.1 19.4 29.2

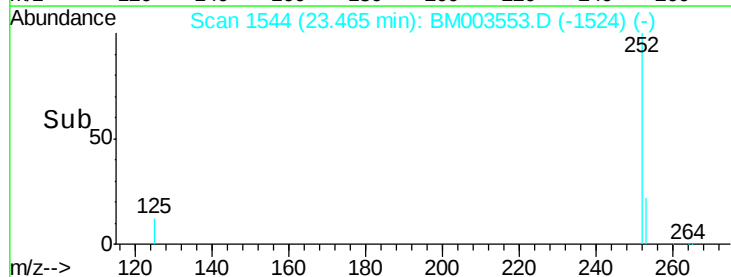
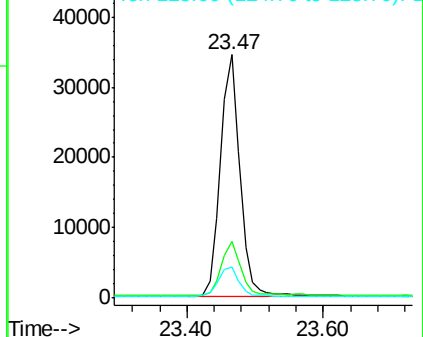
125 12.6 12.7 19.1#

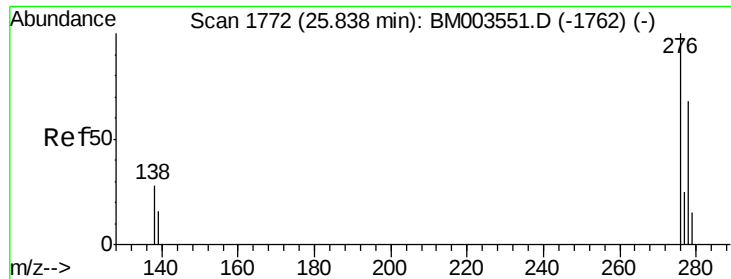


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

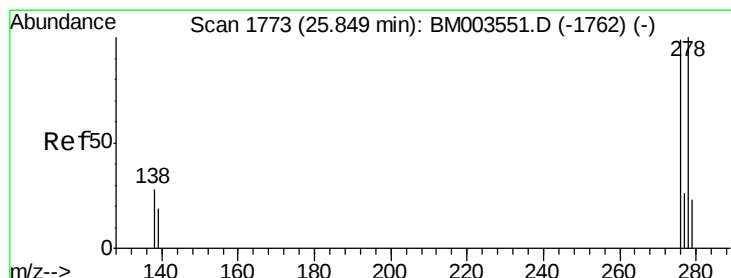
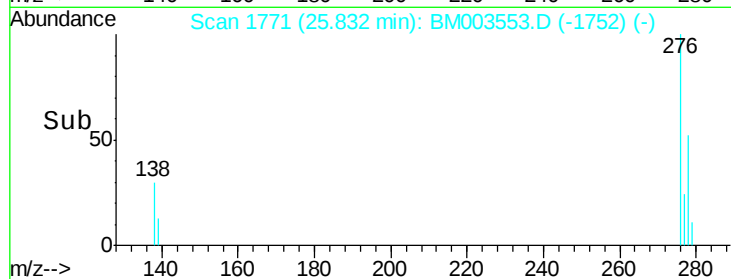
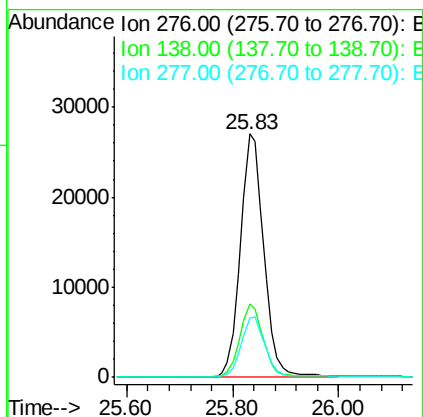
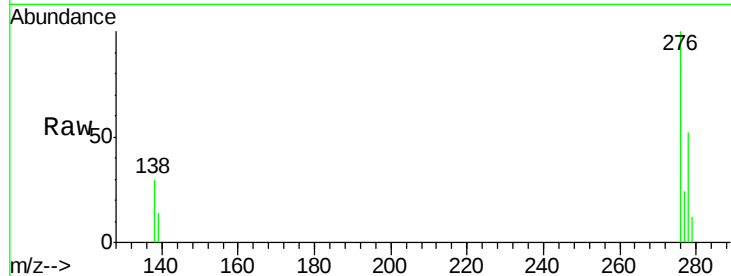




#26
Indeno(1,2,3-cd)pyrene
Concen: 1.79 ng/ul
RT: 25.83 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BM003553.D
Acq: 15 Dec 2015 17:48

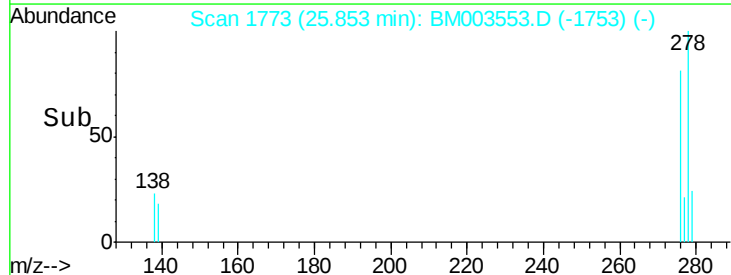
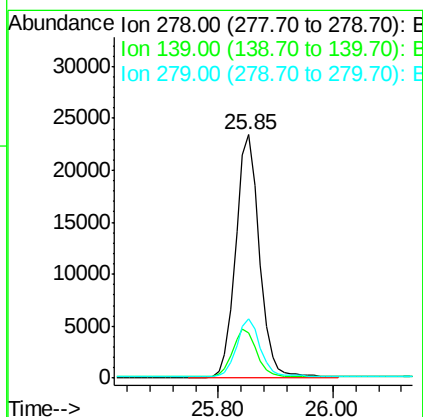
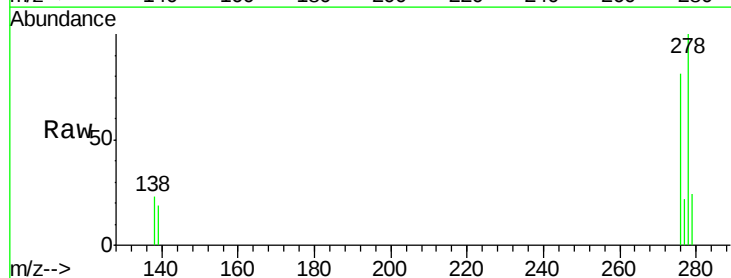
Instrument :
BNA_M
ClientSampleId :
SSTD1.651

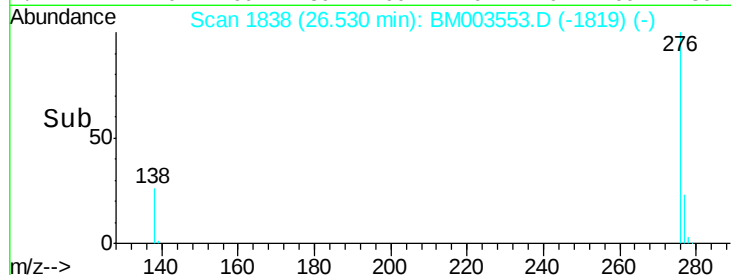
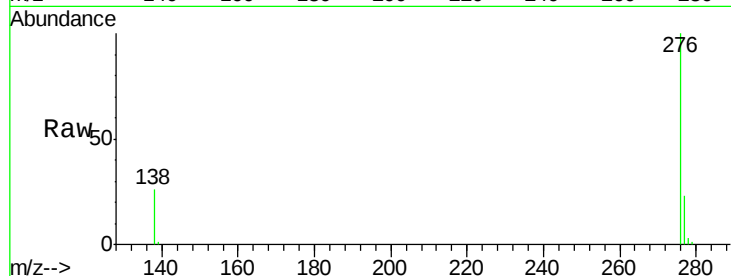
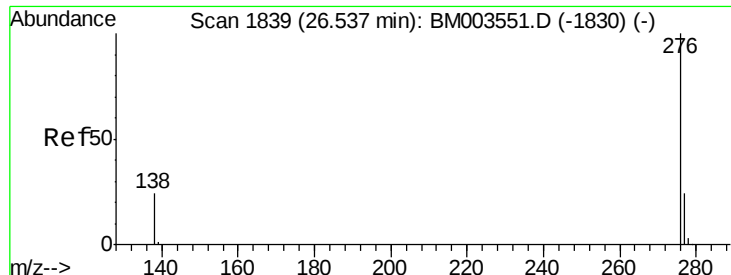
Tot Ion:276 Resp: 82318
Ion Ratio Lower Upper
276 100
138 29.6 16.3 24.5#
277 24.9 19.8 29.8



#27
Dibenzo(a,h)anthracene
Concen: 1.82 ng/ul
RT: 25.85 min Scan# 1773
Delta R.T. 0.00 min
Lab File: BM003553.D
Acq: 15 Dec 2015 17:48

Tgt Ion:278 Resp: 67213
Ion Ratio Lower Upper
278 100
139 18.7 16.4 24.6
279 24.4 20.2 30.2





#28

Benzo(a,h,i)perylene

Concen: 1.76 ng/ul

RT: 26.53 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BM003553.D

Acq: 15 Dec 2015 17:48

Instrument :

BNA_M

ClientSampleId :

SSTD1.651

Tot Ion:276 Resp: 70958

Ion Ratio Lower Upper

276 100

277 23.4 18.9 28.3

138 26.0 22.5 33.7

