

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121515\
 Data File : BM003554.D
 Acq On : 15 Dec 2015 18:25
 Operator : UM/IZ
 Sample : SSTD3.252
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.252

Quant Time: Dec 15 18:57:32 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 18:25:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	5278	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	19477	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	9494	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	1317	0.40	ng/ul	0.10
18) Chrysene-d12	21.31	240	19310	0.40	ng/ul	0.00
22) Perylene-d12	23.57	264	14206	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.18	96	35620	3.16	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.10	152	73130	3.13	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	124930	44.69	ng/ul	0.00

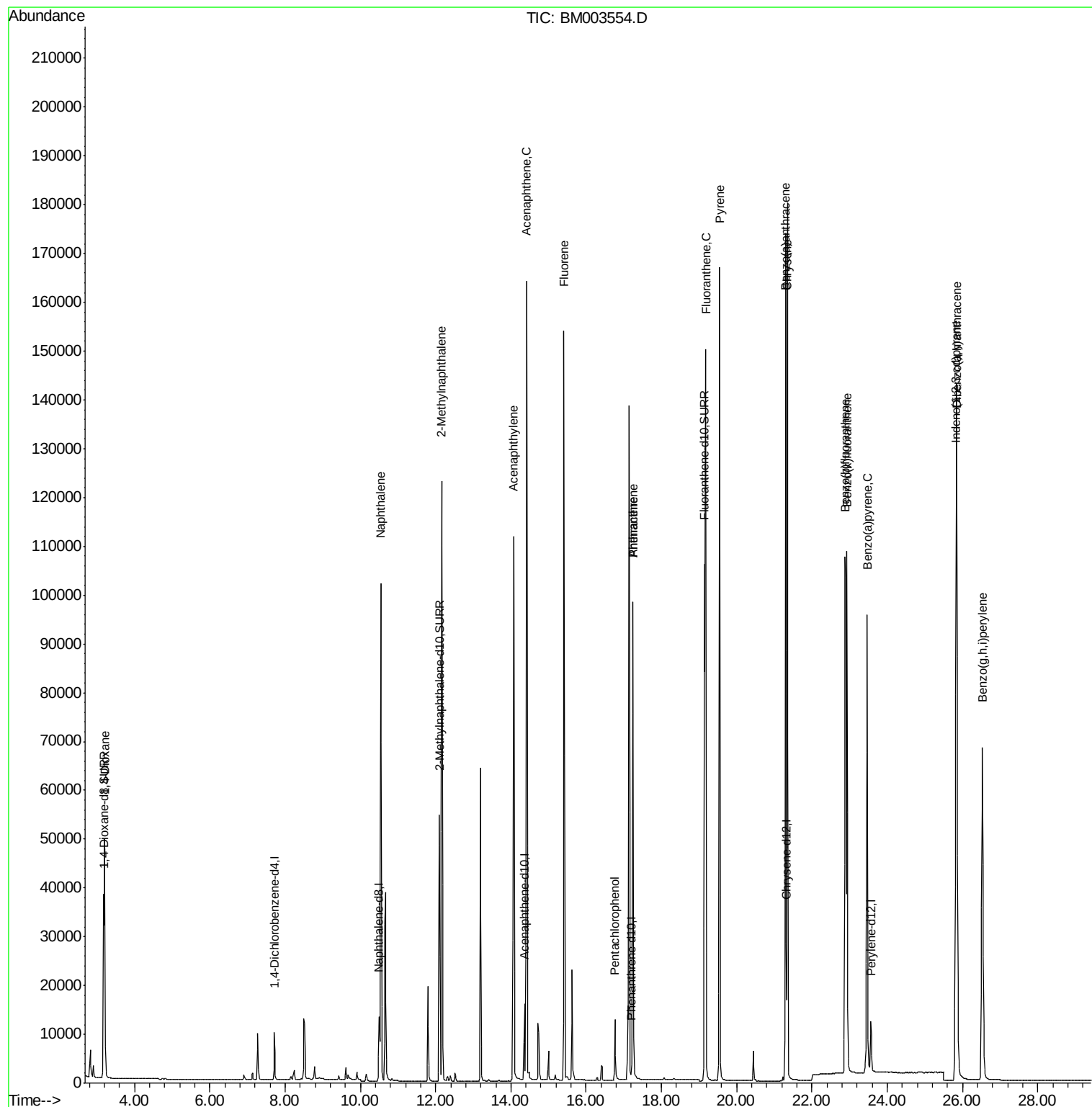
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.21	88	42713	2.97	ng/ul#	100
5) Naphthalene	10.55	128	139923	3.19	ng/ul	98
7) 2-Methylnaphthalene	12.16	142	94806	3.22	ng/ul	99
9) Acenaphthylene	14.07	152	127755	3.52	ng/ul	95
10) Acenaphthene	14.42	153	95929	3.28	ng/ul	85
11) Fluorene	15.41	166	105842	3.27	ng/ul#	81
13) Pentachlorophenol	16.76	266	9700	52.95	ng/ul	96
14) Phenanthrene	17.24	178	143825	42.34	ng/ul	99
15) Anthracene	17.24	178	144472	49.16	ng/ul	97
17) Fluoranthene	19.18	202	166997	45.27	ng/ul	92
19) Pyrene	19.54	202	167081	3.21	ng/ul	94
20) Benzo(a)anthracene	21.29	228	145349	3.08	ng/ul	96
21) Chrysene	21.35	228	150396	2.78	ng/ul	96
23) Benzo(b)fluoranthene	22.88	252	158870	3.28	ng/ul	95
24) Benzo(k)fluoranthene	22.93	252	127785	2.91	ng/ul	96
25) Benzo(a)pyrene	23.46	252	135269	3.31	ng/ul#	94
26) Indeno(1,2,3-cd)pyrene	25.83	276	163140	3.44	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.85	278	133038	3.48	ng/ul	96
28) Benzo(g,h,i)perylene	26.53	276	139311	3.38	ng/ul	98

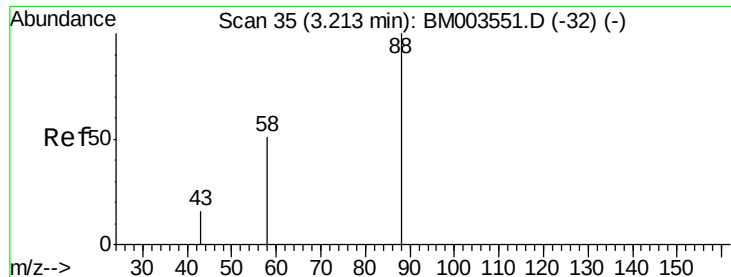
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM121515.M
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#3

1,4-Dioxane

Concen: 2.97 ng/ul

RT: 3.21 min Scan# 35

Delta R.T. -0.00 min

Lab File: BM003554.D

Acq: 15 Dec 2015 18:25

Instrument :

BNA_M

ClientSampleId :

SSTD3.252

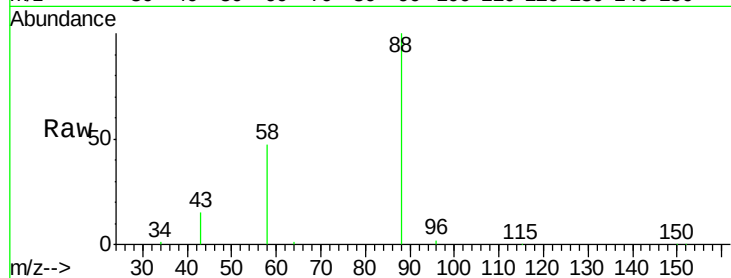
Tot Ion: 88 Resp: 42713

Ion Ratio Lower Upper

88 100

58 61.1 0.0 0.0#

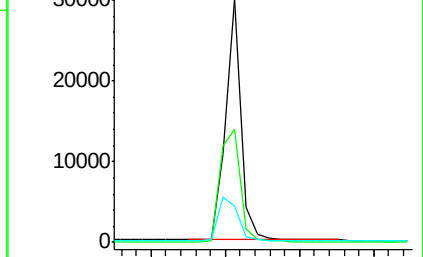
43 23.0 0.0 0.0#



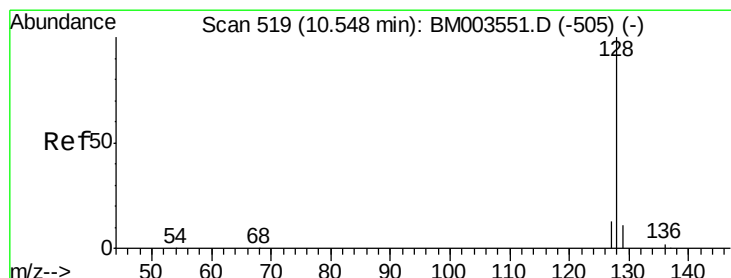
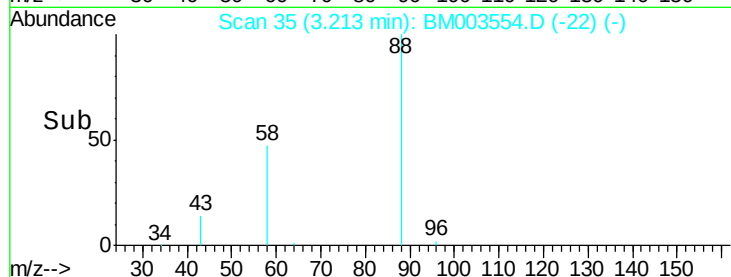
Abundance Ion 88.00 (87.70 to 88.70): BM003551.D (-32) (-)

Ion 58.00 (57.70 to 58.70): BM003551.D (-32) (-)

Ion 43.00 (42.70 to 43.70): BM003551.D (-32) (-)



Time-->



#5

Naphthalene

Concen: 3.19 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.00 min

Lab File: BM003554.D

Acq: 15 Dec 2015 18:25

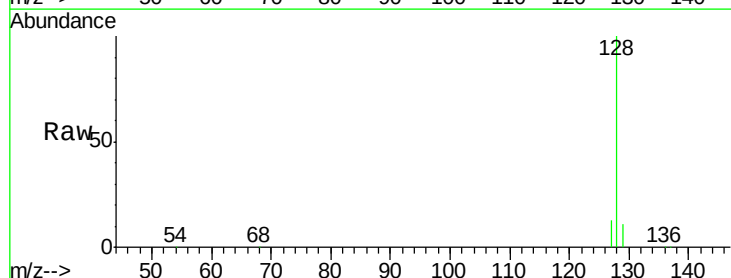
Tgt Ion: 128 Resp: 139923

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

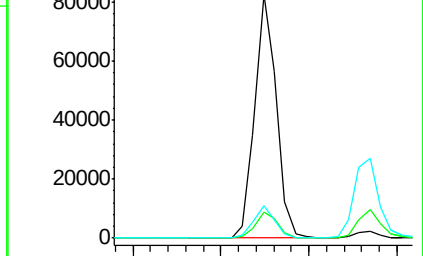
127 13.1 9.6 14.4



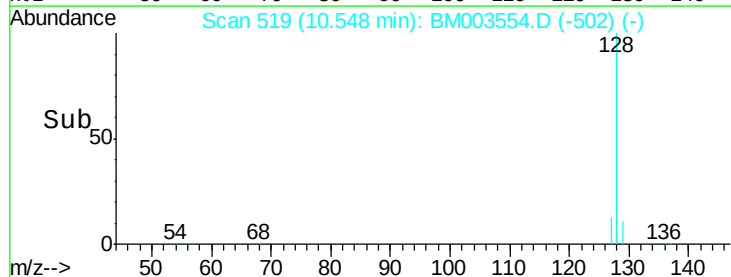
Abundance Ion 128.00 (127.70 to 128.70): BM003551.D (-505) (-)

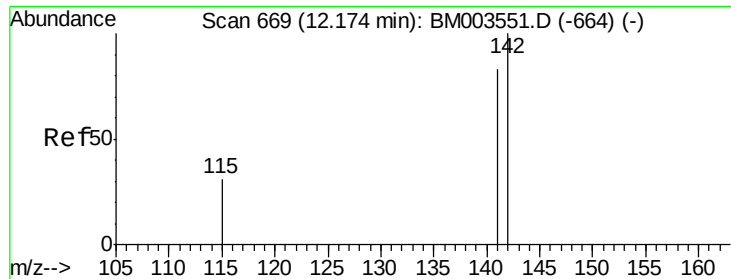
Ion 129.00 (128.70 to 129.70): BM003551.D (-505) (-)

Ion 127.00 (126.70 to 127.70): BM003551.D (-505) (-)



Time-->





#7

2-Methylnaphthalene

Concen: 3.22 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM003554.D

Acq: 15 Dec 2015 18:25

Instrument :

BNA_M

ClientSampleId :

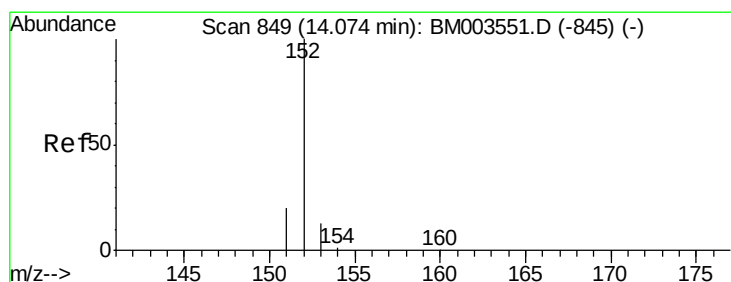
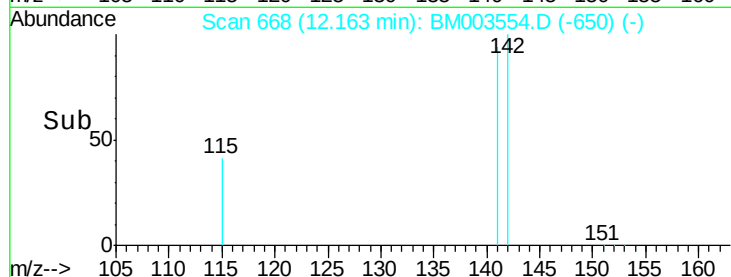
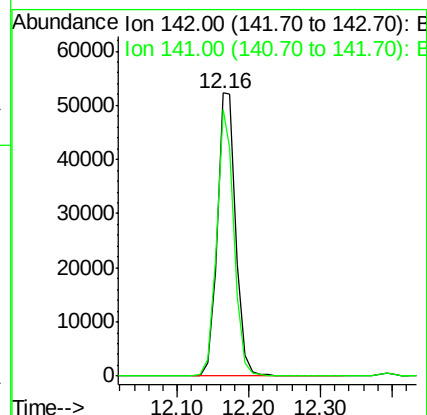
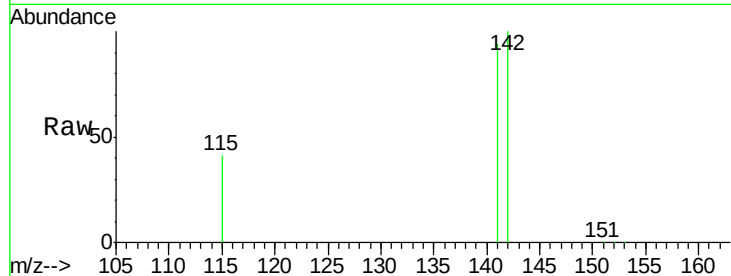
SSTD3.252

Tot Ion:142 Resp: 94806

Ion Ratio Lower Upper

142 100

141 88.5 70.3 105.5



#9

Acenaphthylene

Concen: 3.52 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. -0.00 min

Lab File: BM003554.D

Acq: 15 Dec 2015 18:25

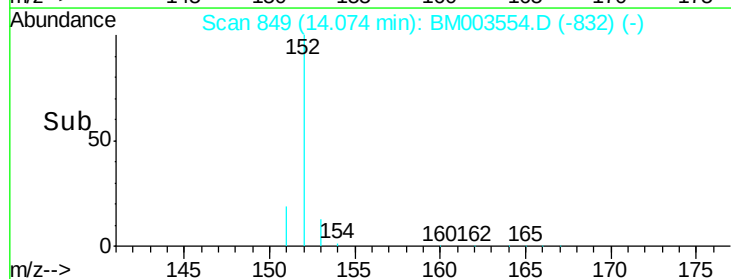
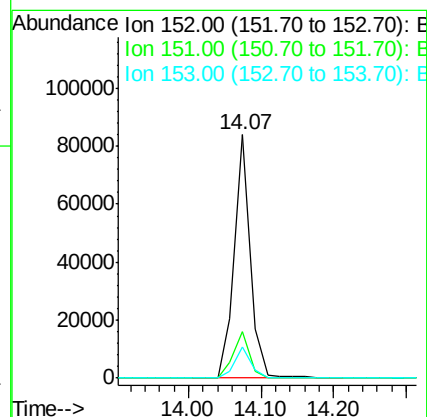
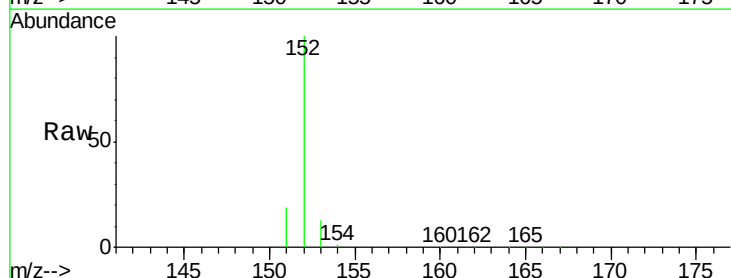
Tgt Ion:152 Resp: 127755

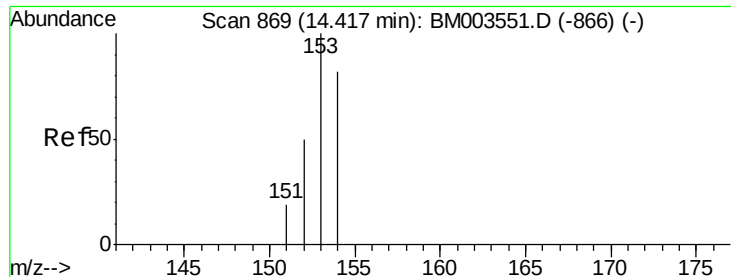
Ion Ratio Lower Upper

152 100

151 19.1 17.6 26.4

153 13.0 9.7 14.5





#10

Acenaphthene

Concen: 3.28 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM003554.D

Acq: 15 Dec 2015 18:25

Instrument :

BNA_M

ClientSampleId :

SSTD3.252

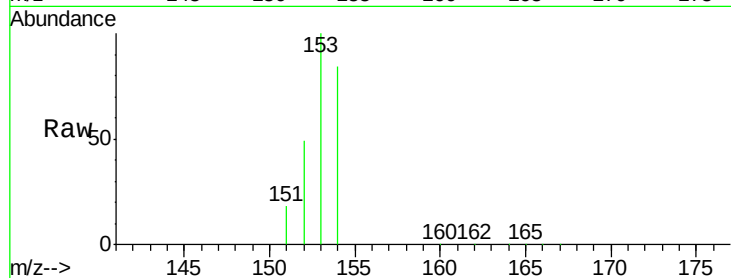
Tot Ion:153 Resp: 95929

Ion Ratio Lower Upper

153 100

152 49.3 33.9 50.9

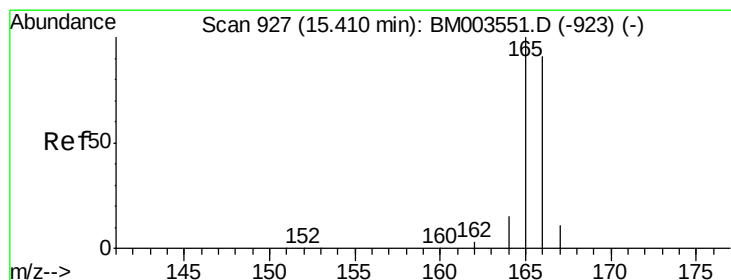
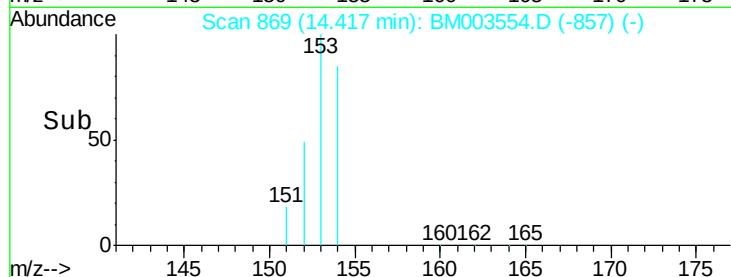
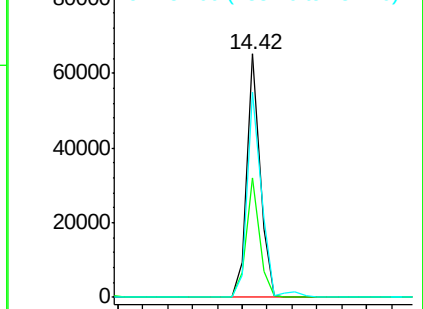
154 84.5 80.6 121.0



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: 3.27 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.00 min

Lab File: BM003554.D

Acq: 15 Dec 2015 18:25

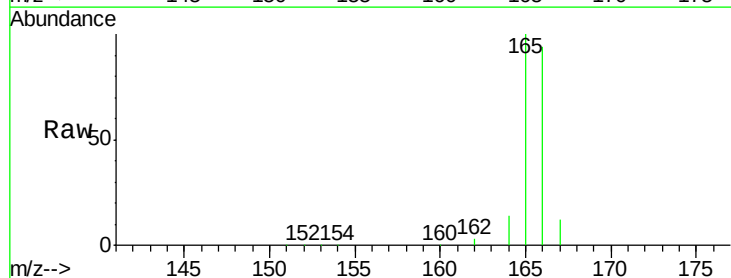
Tgt Ion:166 Resp: 105842

Ion Ratio Lower Upper

166 100

165 106.7 69.6 104.4#

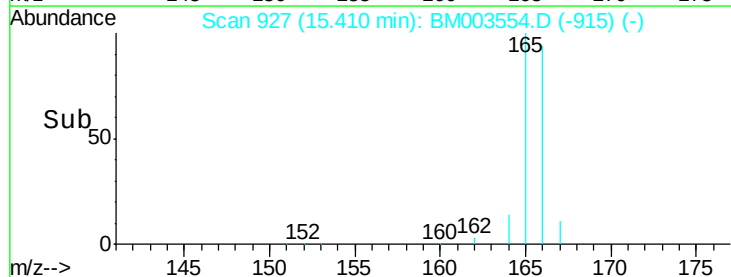
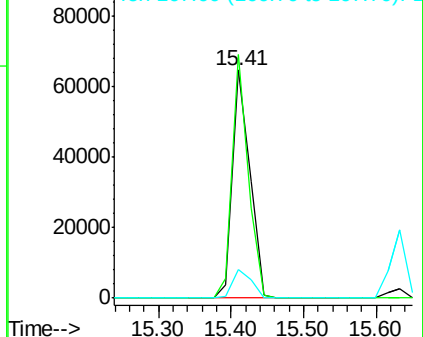
167 12.4 11.9 17.9

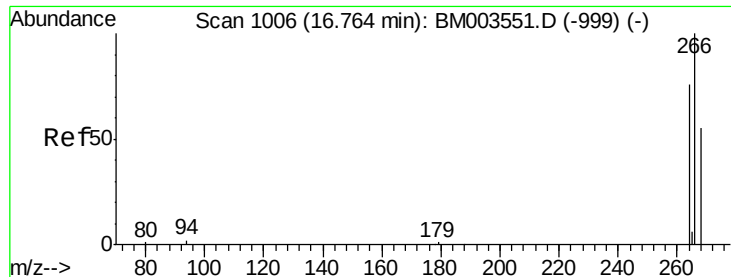


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

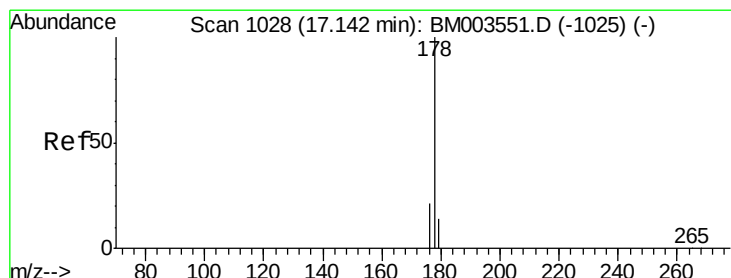
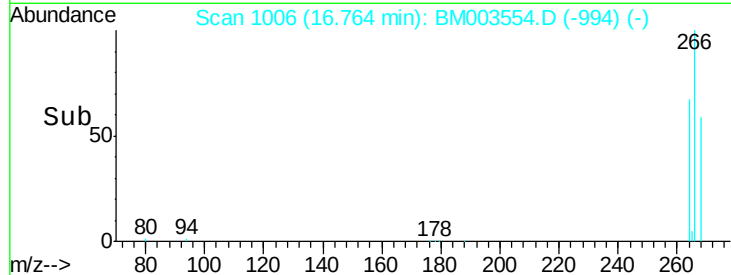
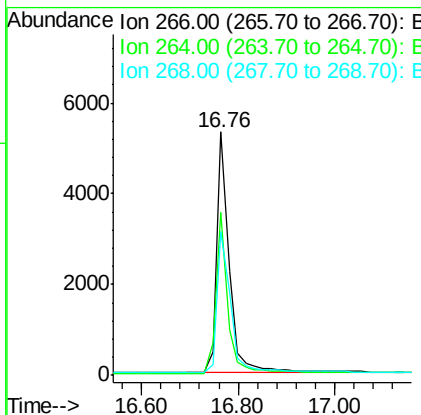
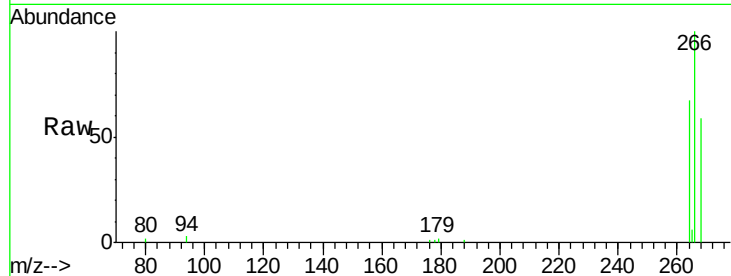




#13
 Pentachlorophenol
 Concen: 52.95 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: BM003554.D
 Acq: 15 Dec 2015 18:25

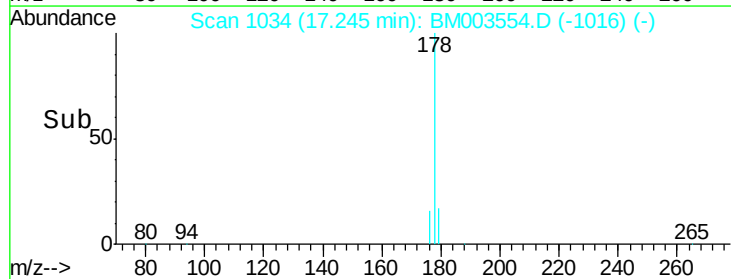
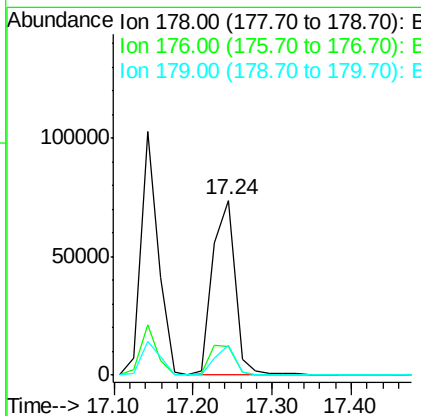
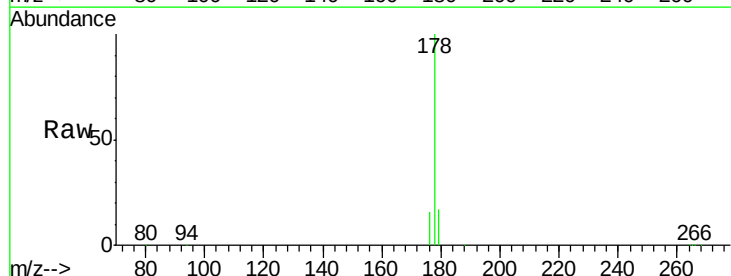
Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.252

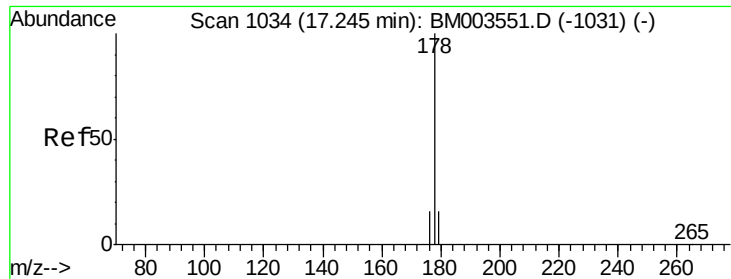
Tot Ion:266 Resp: 9700
 Ion Ratio Lower Upper
 266 100
 264 62.9 51.8 77.8
 268 63.4 46.8 70.2



#14
 Phenanthrene
 Concen: 42.34 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. 0.10 min
 Lab File: BM003554.D
 Acq: 15 Dec 2015 18:25

Tgt Ion:178 Resp: 143825
 Ion Ratio Lower Upper
 178 100
 176 16.0 13.0 19.4
 179 16.9 14.2 21.2





#15

Anthracene

Concen: 49.16 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BM003554.D

Acq: 15 Dec 2015 18:25

Instrument :

BNA_M

ClientSampleId :

SSTD3.252

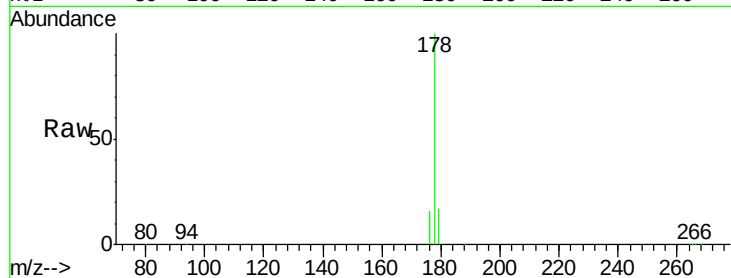
Tot Ion:178 Resp: 144472

Ion Ratio Lower Upper

178 100

176 16.0 14.0 21.0

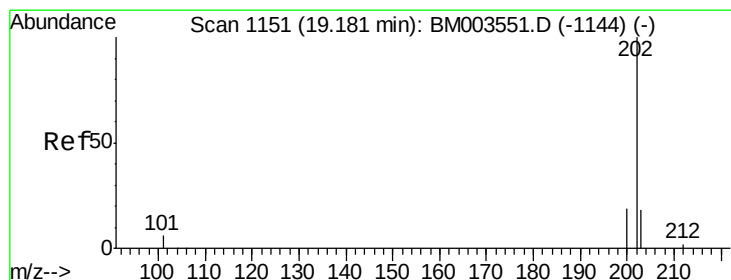
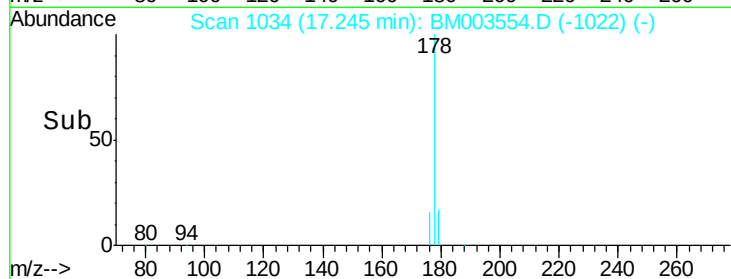
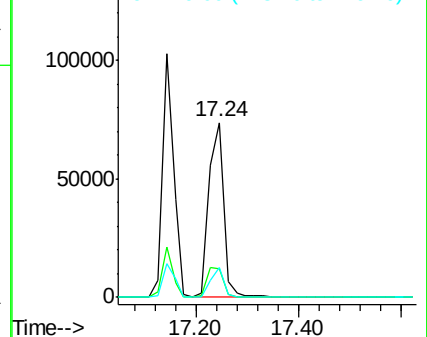
179 16.9 12.9 19.3



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



#17

Fluoranthene

Concen: 45.27 ng/ul

RT: 19.18 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BM003554.D

Acq: 15 Dec 2015 18:25

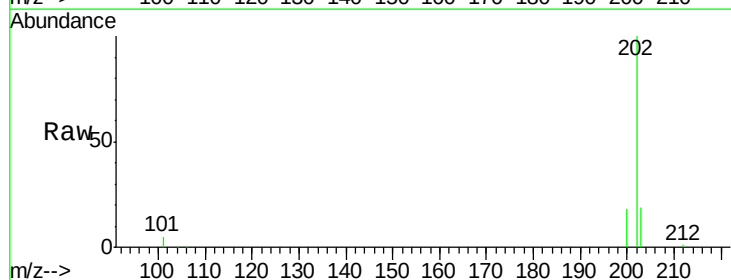
Tgt Ion:202 Resp: 166997

Ion Ratio Lower Upper

202 100

101 5.2 0.0 29.6

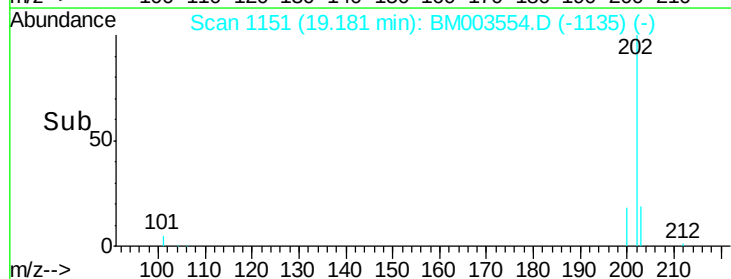
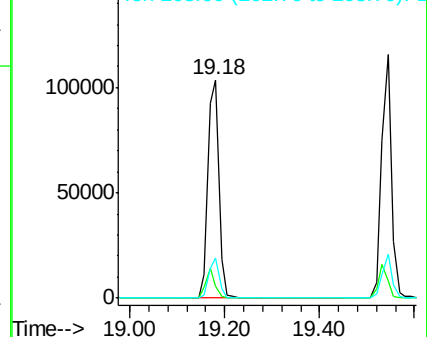
203 18.6 0.0 36.3

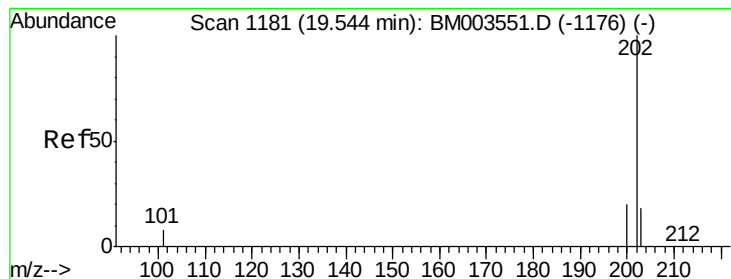


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 3.21 ng/ul

RT: 19.54 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BM003554.D

Acq: 15 Dec 2015 18:25

Instrument :

BNA_M

ClientSampleId :

SSTD3.252

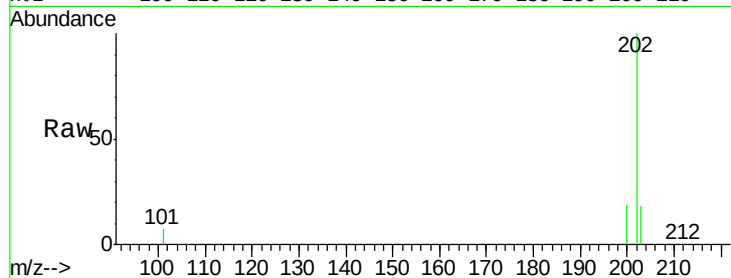
Tot Ion:202 Resp: 167081

Ion Ratio Lower Upper

202 100

200 19.0 17.8 26.8

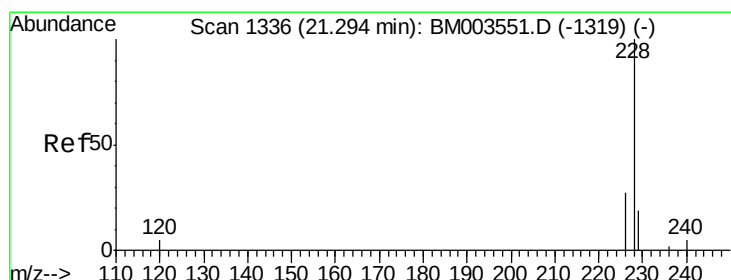
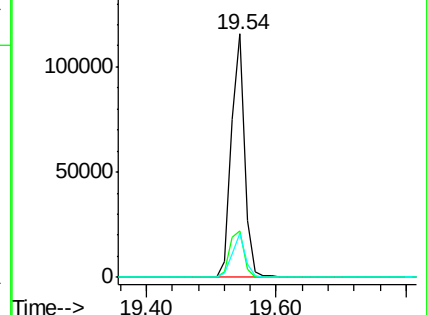
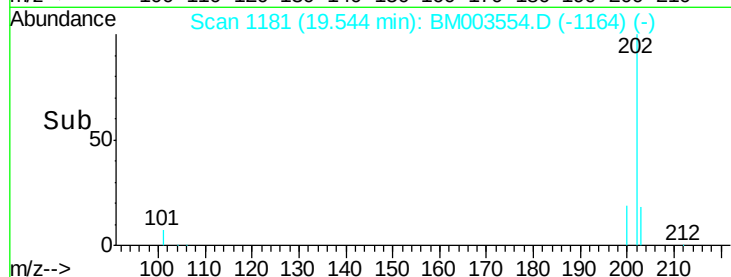
203 18.1 12.8 19.2



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



#20

Benzo(a)anthracene

Concen: 3.08 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BM003554.D

Acq: 15 Dec 2015 18:25

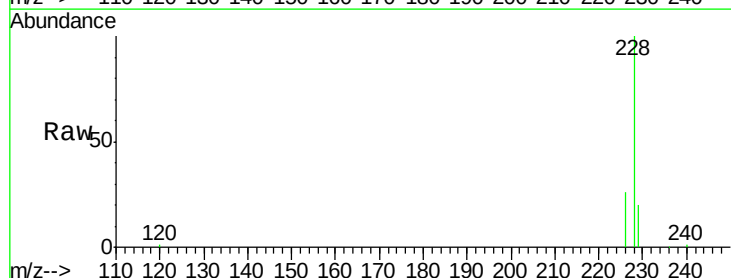
Tgt Ion:228 Resp: 145349

Ion Ratio Lower Upper

228 100

226 25.8 18.8 28.2

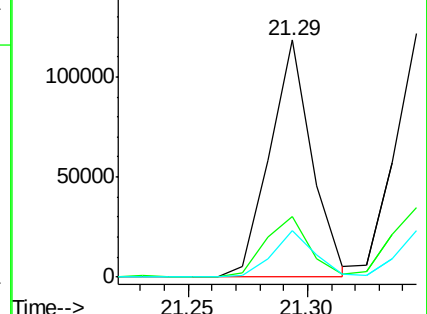
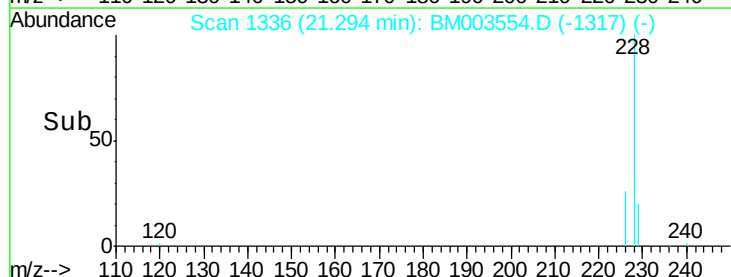
229 19.6 17.1 25.7

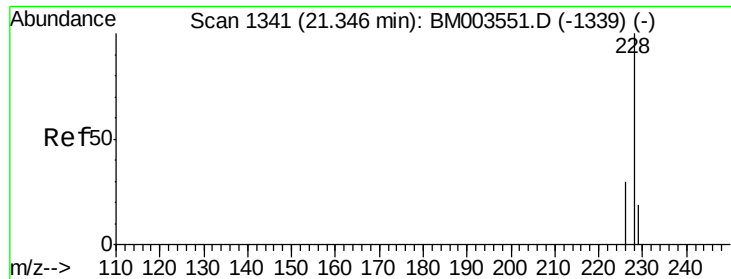


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 2.78 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM003554.D

Acq: 15 Dec 2015 18:25

Instrument :

BNA_M

ClientSampleId :

SSTD3.252

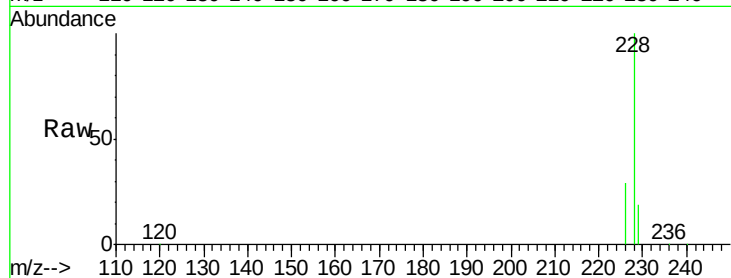
Tot Ion:228 Resp: 150396

Ion Ratio Lower Upper

228 100

226 28.7 21.2 31.8

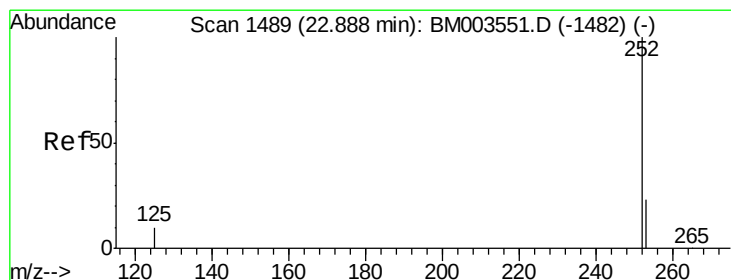
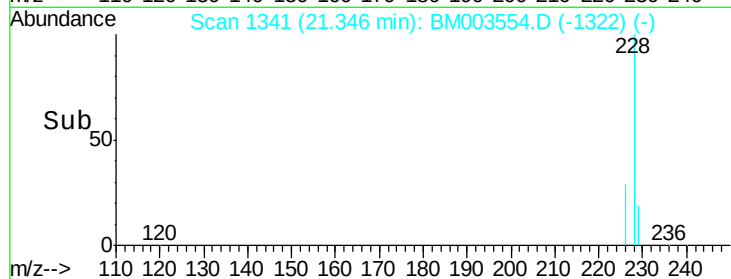
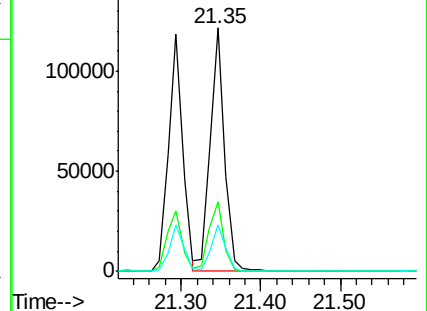
229 19.2 17.0 25.6



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: 3.28 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.01 min

Lab File: BM003554.D

Acq: 15 Dec 2015 18:25

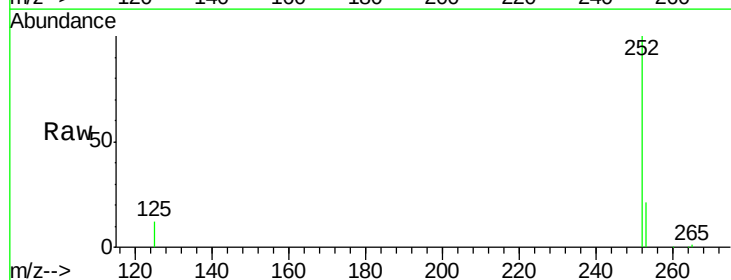
Tgt Ion:252 Resp: 158870

Ion Ratio Lower Upper

252 100

253 20.5 0.0 45.4

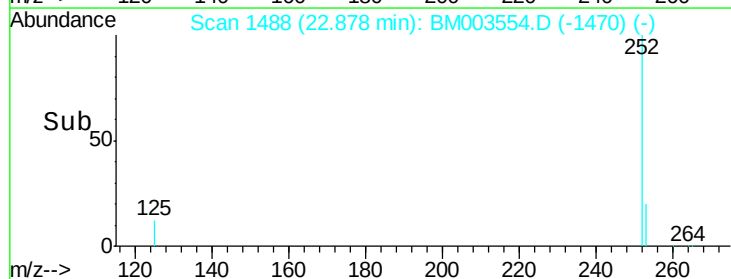
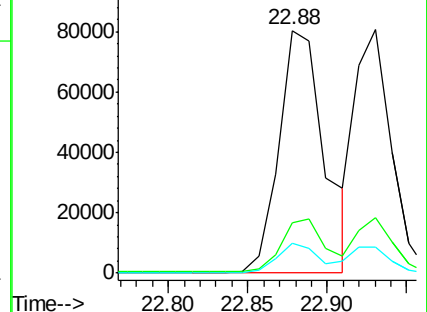
125 12.2 0.0 28.8

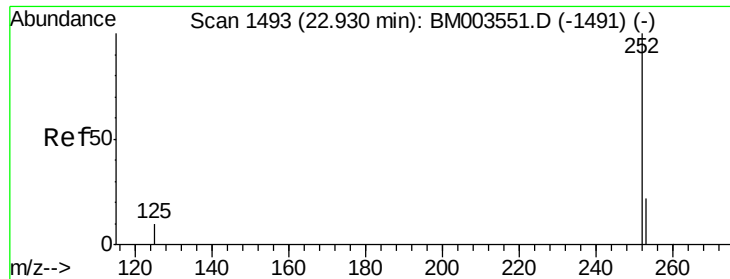


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 2.91 ng/ul

RT: 22.93 min Scan# 1493

Delta R.T. -0.00 min

Lab File: BM003554.D

Acq: 15 Dec 2015 18:25

Instrument :

BNA_M

ClientSampleId :

SSTD3.252

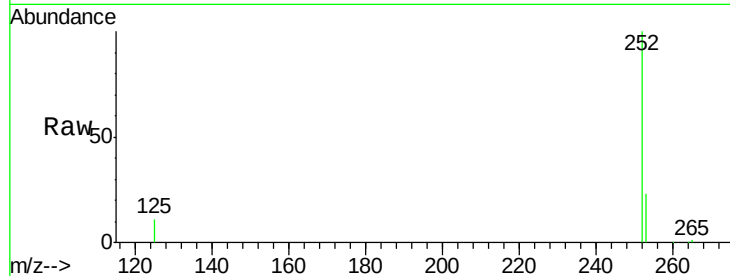
Tot Ion:252 Resp: 127785

Ion Ratio Lower Upper

252 100

253 22.9 19.8 29.8

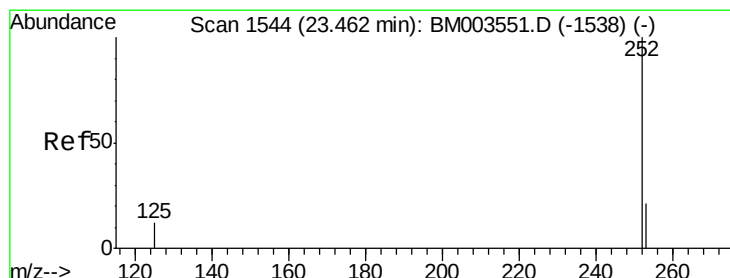
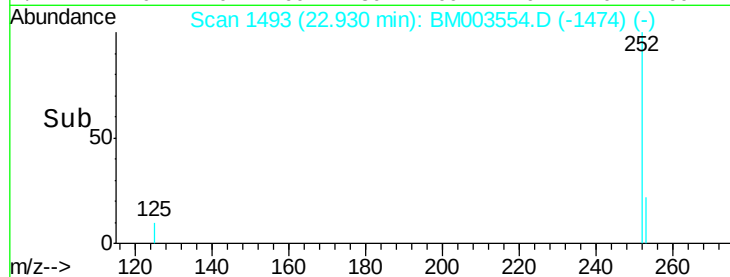
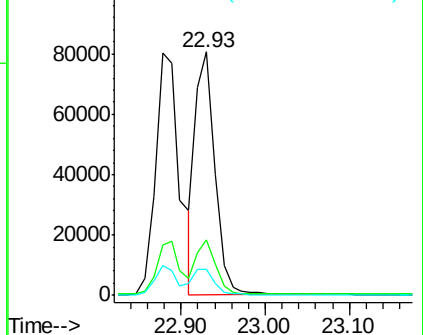
125 10.8 10.4 15.6



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: 3.31 ng/ul

RT: 23.46 min Scan# 1544

Delta R.T. -0.00 min

Lab File: BM003554.D

Acq: 15 Dec 2015 18:25

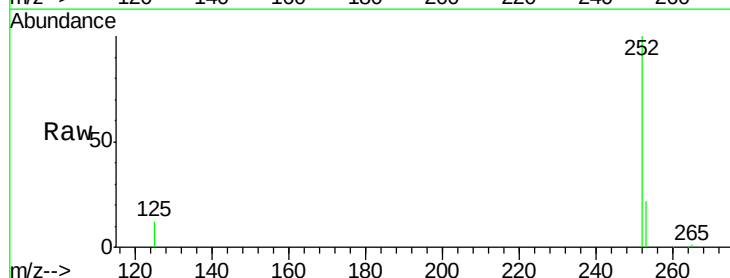
Tgt Ion:252 Resp: 135269

Ion Ratio Lower Upper

252 100

253 22.1 19.4 29.2

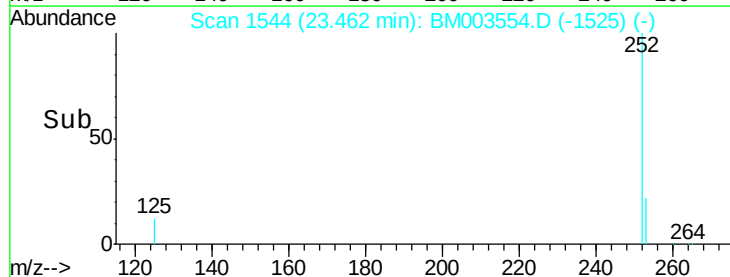
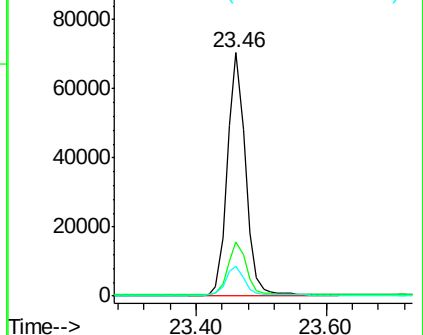
125 12.4 12.7 19.1#

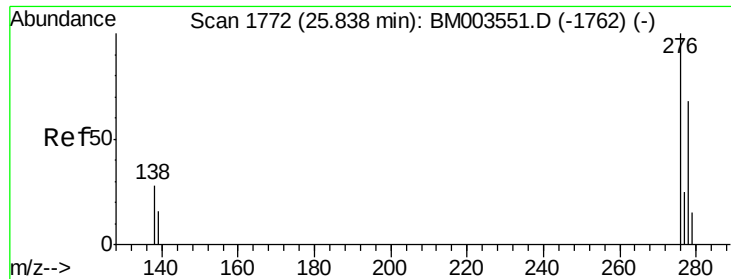


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

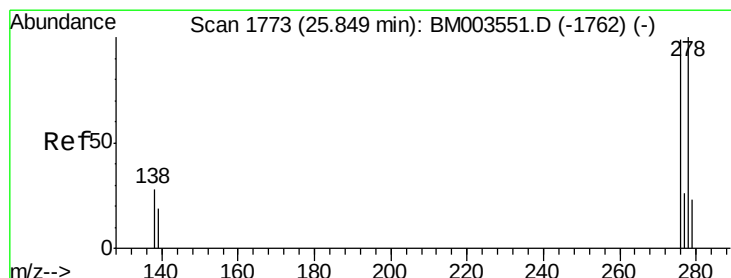
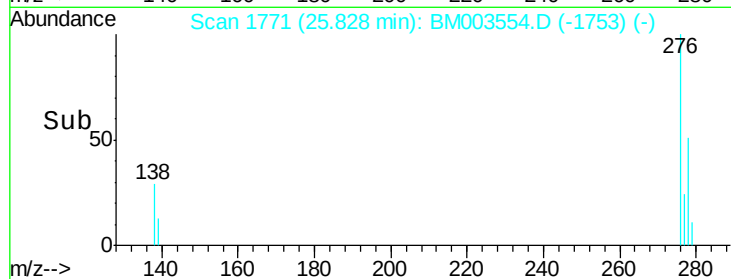
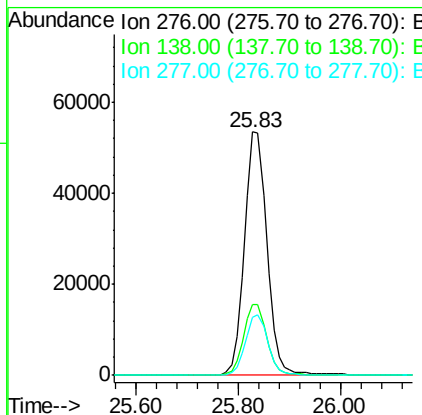
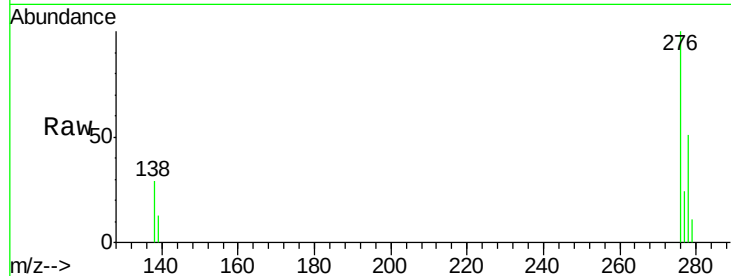




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 3.44 ng/ul
 RT: 25.83 min Scan# 1771
 Delta R.T. -0.01 min
 Lab File: BM003554.D
 Acq: 15 Dec 2015 18:25

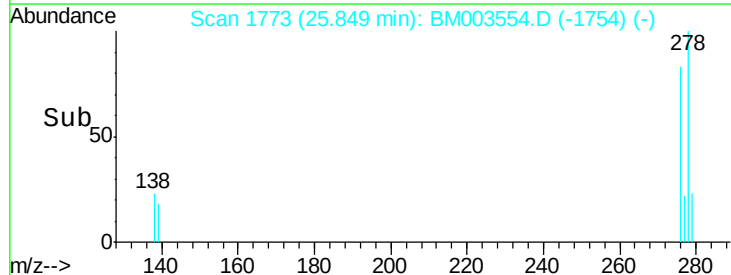
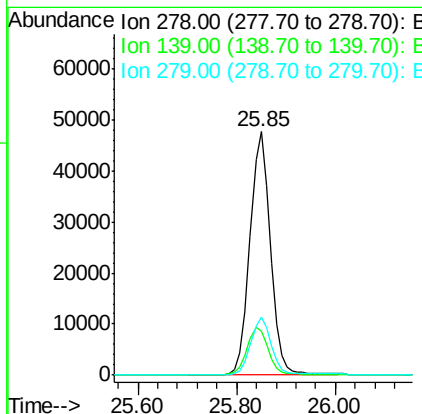
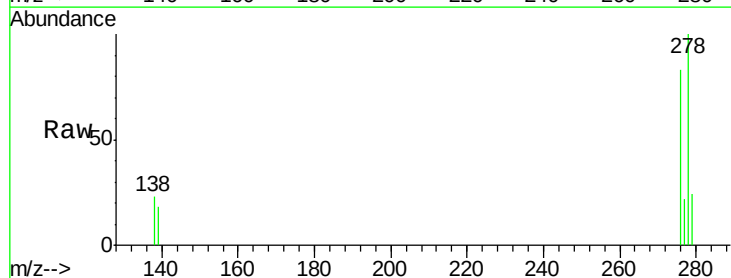
Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.252

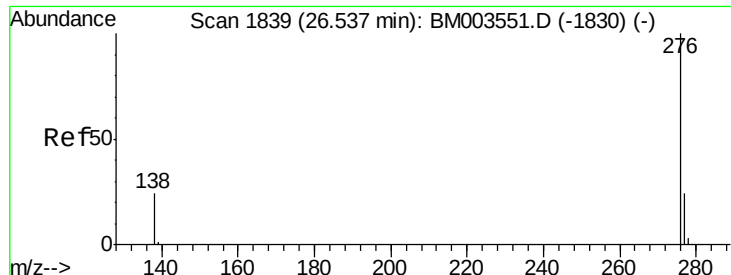
Tot Ion:276 Resp: 163140
 Ion Ratio Lower Upper
 276 100
 138 29.6 16.3 24.5#
 277 24.7 19.8 29.8



#27
 Dibenzo(a,h)anthracene
 Concen: 3.48 ng/ul
 RT: 25.85 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: BM003554.D
 Acq: 15 Dec 2015 18:25

Tgt Ion:278 Resp: 133038
 Ion Ratio Lower Upper
 278 100
 139 18.2 16.4 24.6
 279 23.8 20.2 30.2





#28

Benzo(a,h,i)perylene

Concen: 3.38 ng/ul

RT: 26.53 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BM003554.D

Acq: 15 Dec 2015 18:25

Instrument :

BNA_M

ClientSampleId :

SSTD3.252

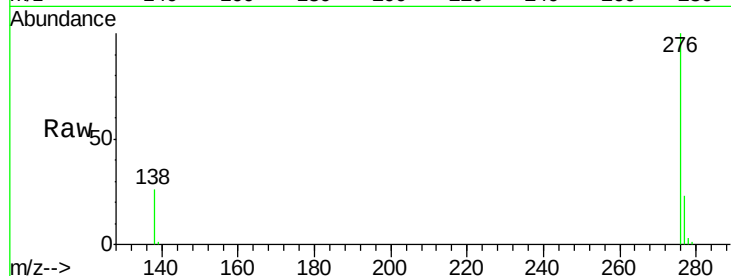
Tot Ion: 276 Resp: 139311

Ion Ratio Lower Upper

276 100

277 23.5 18.9 28.3

138 25.9 22.5 33.7



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

