

Data Path : Z:\HPCHEM1\BNA_M\Data\BM090315\
 Data File : BM002649.D
 Acq On : 03 Sep 2015 13:32
 Operator : UM/IZ
 Sample : SSTD3.267
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.267

Quant Time: Sep 04 00:59:11 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM90315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 03 14:33:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	8137	0.40	ng/ul	0.00
4) Naphthalene-d8	11.64	136	33771	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.36	164	14950	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	25563	0.40	ng/ul	0.00
18) Chrysene-d12	22.17	240	20036	0.40	ng/ul	0.01
22) Perylene-d12	24.78	264	19227	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.82	96	60104	7.33	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.17	152	140384	3.10	ng/ul	0.00
16) Fluoranthene-d10	20.05	212	174307	2.99	ng/ul	0.00

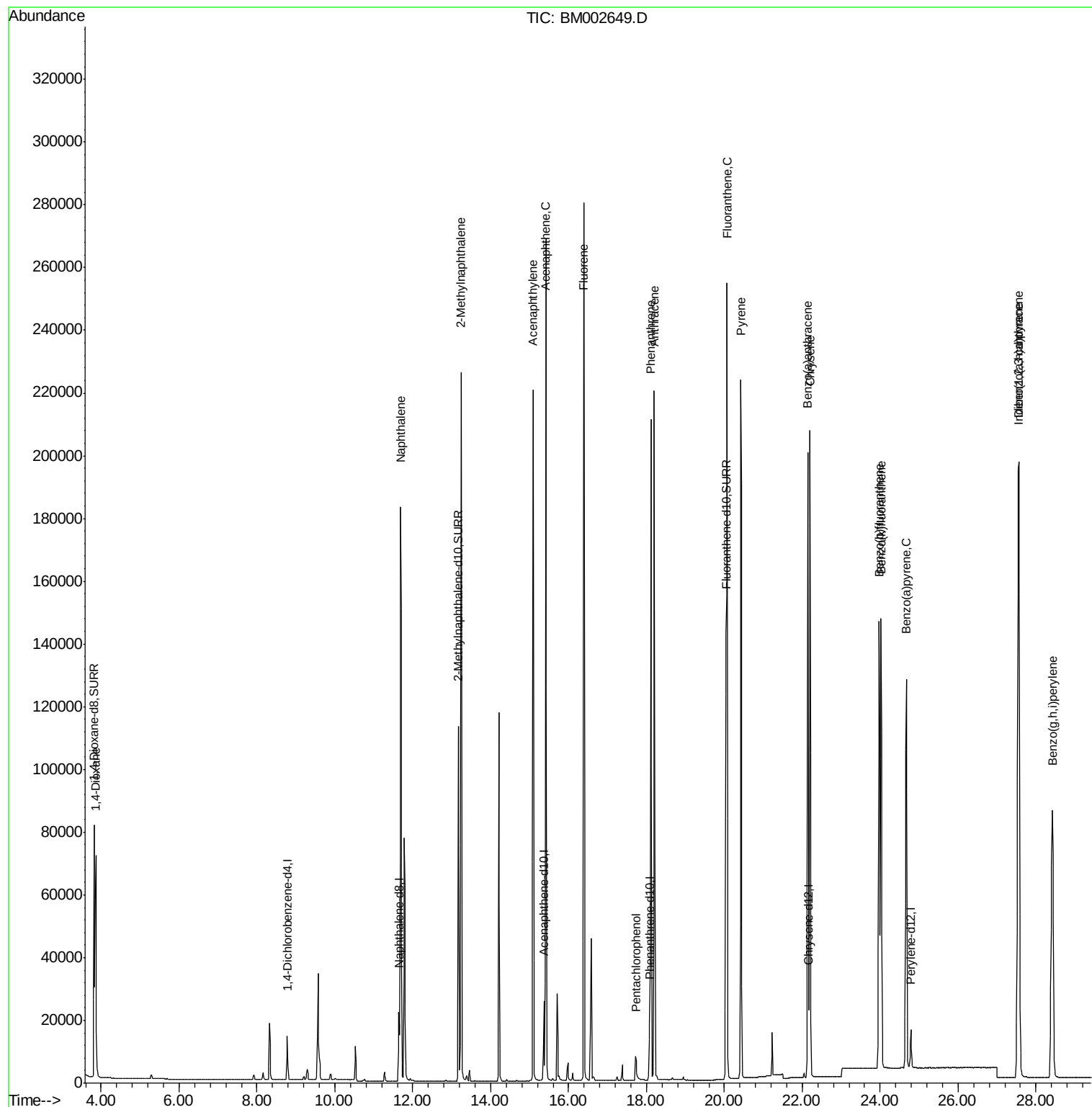
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.87	88	66350	7.01	ng/ul	96
5) Naphthalene	11.69	128	274441	3.13	ng/ul	98
7) 2-Methylnaphthalene	13.25	142	182182	3.12	ng/ul	99
9) Acenaphthylene	15.09	152	258430	3.24	ng/ul	96
10) Acenaphthene	15.42	153	175319	3.14	ng/ul	98
11) Fluorene	16.39	166	186596	3.14	ng/ul	93
13) Pentachlorophenol	17.72	266	9442	3.80	ng/ul	95
14) Phenanthrene	18.11	178	243719	3.19	ng/ul	97
15) Anthracene	18.20	178	245255	3.22	ng/ul	96
17) Fluoranthene	20.07	202	235267	2.94	ng/ul	96
19) Pyrene	20.42	202	238245	3.15	ng/ul	98
20) Benzo(a)anthracene	22.14	228	207334	3.12	ng/ul	99
21) Chrysene	22.20	228	197709	3.08	ng/ul	96
23) Benzo(b)fluoranthene	23.97	252	223418	3.29	ng/ul	94
24) Benzo(k)fluoranthene	24.02	252	188499	2.96	ng/ul	94
25) Benzo(a)pyrene	24.67	252	201264	3.17	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	27.55	276	239519	3.19	ng/ul	99
27) Dibenzo(a,h)anthracene	27.56	278	196445	3.19	ng/ul	91
28) Benzo(g,h,i)perylene	28.42	276	203130	3.16	ng/ul	94

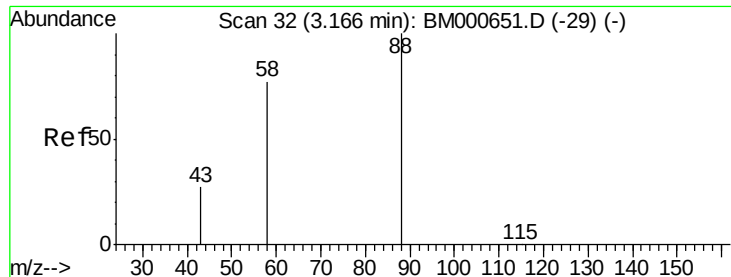
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 7.01 ng/ul

RT: 3.87 min Scan# 19

Delta R.T. 0.00 min

Lab File: BM002649.D

Acq: 03 Sep 2015 13:32

Instrument :

BNA_M

ClientSampleId :

SSTD3.267

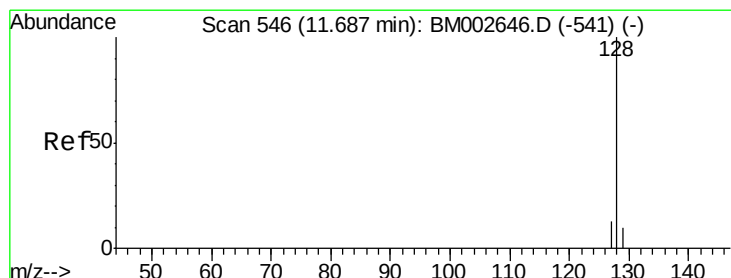
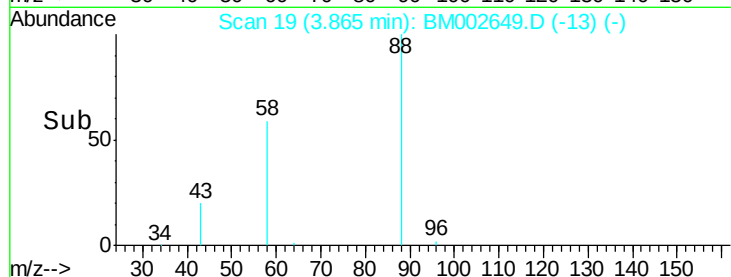
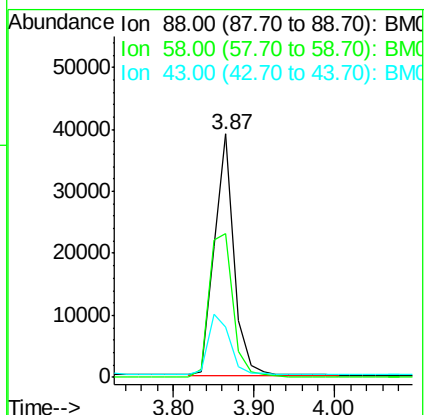
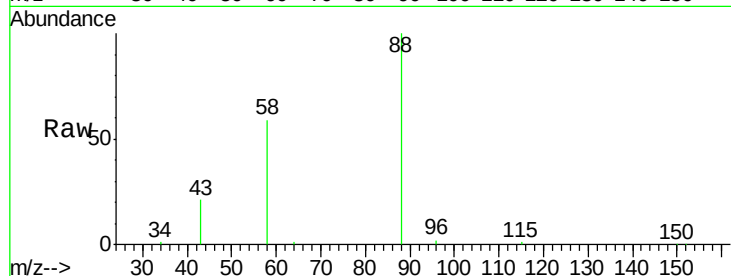
Tgt Ion: 88 Resp: 66350

Ion Ratio Lower Upper

88 100

58 72.4 55.4 83.2

43 28.4 24.2 36.2



#5

Naphthalene

Concen: 3.13 ng/ul

RT: 11.69 min Scan# 546

Delta R.T. 0.00 min

Lab File: BM002649.D

Acq: 03 Sep 2015 13:32

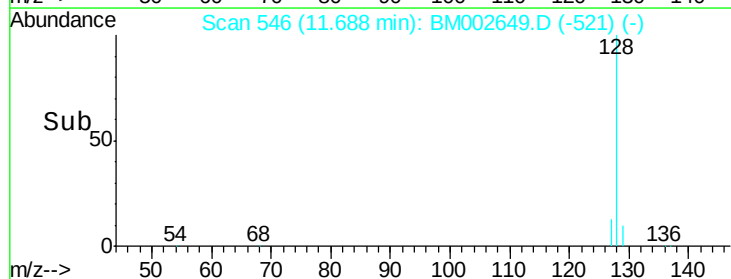
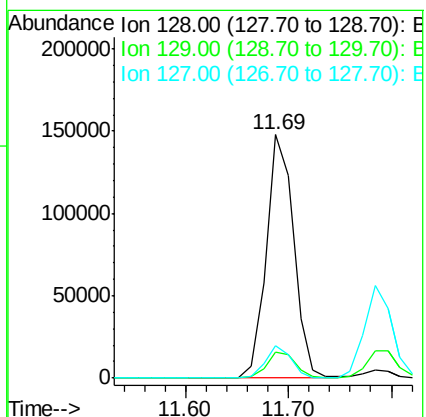
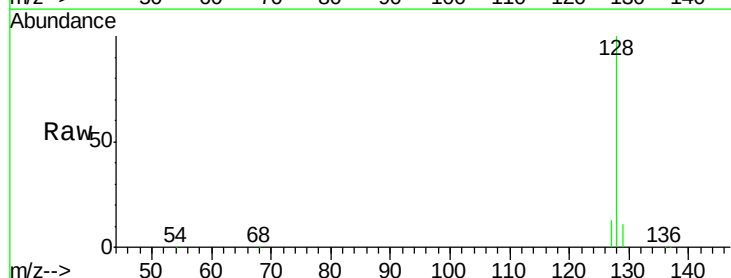
Tgt Ion: 128 Resp: 274441

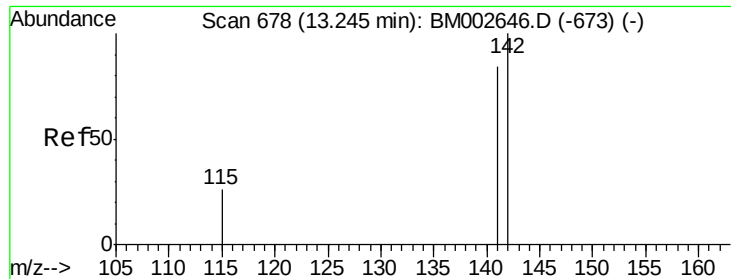
Ion Ratio Lower Upper

128 100

129 10.5 9.8 14.8

127 13.3 10.7 16.1





#7

2-Methylnaphthalene

Concen: 3.12 ng/ul

RT: 13.25 min Scan# 678

Delta R.T. 0.00 min

Lab File: BM002649.D

Acq: 03 Sep 2015 13:32

Instrument :

BNA_M

ClientSampleId :

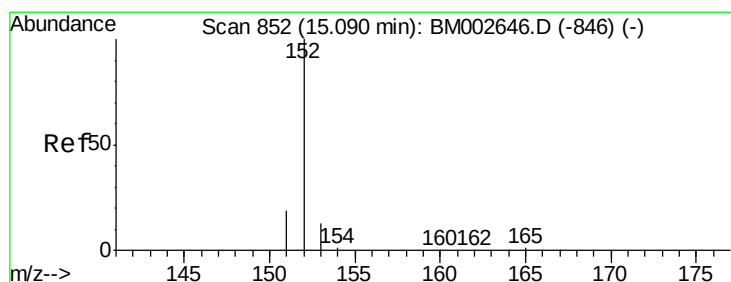
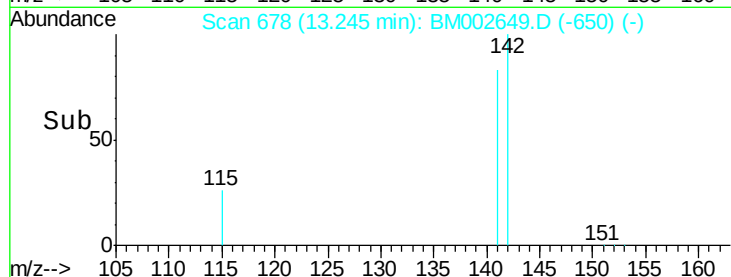
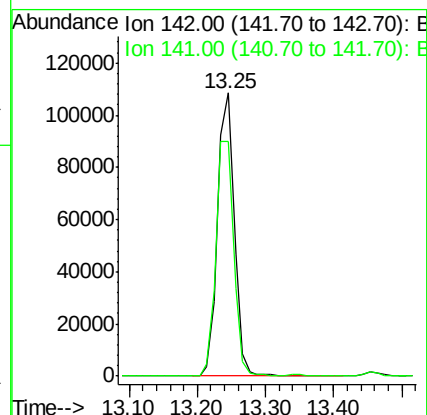
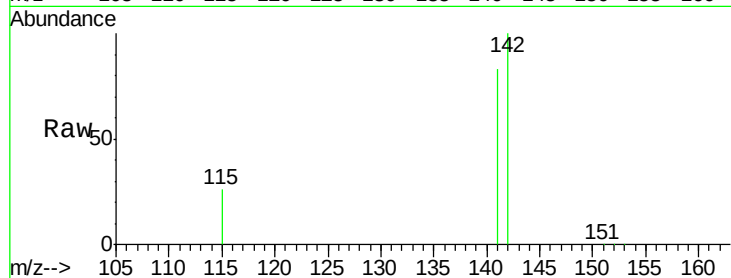
SSTD3.267

Tgt Ion:142 Resp: 182182

Ion Ratio Lower Upper

142 100

141 88.5 70.3 105.5



#9

Acenaphthylene

Concen: 3.24 ng/ul

RT: 15.09 min Scan# 852

Delta R.T. 0.00 min

Lab File: BM002649.D

Acq: 03 Sep 2015 13:32

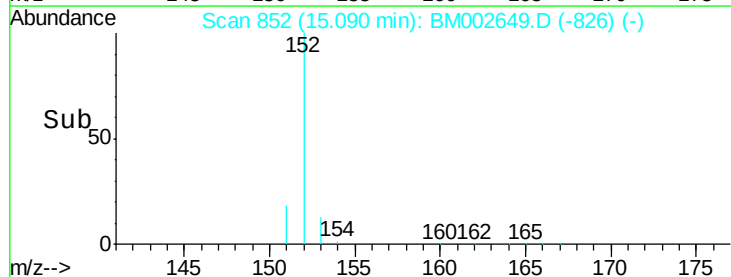
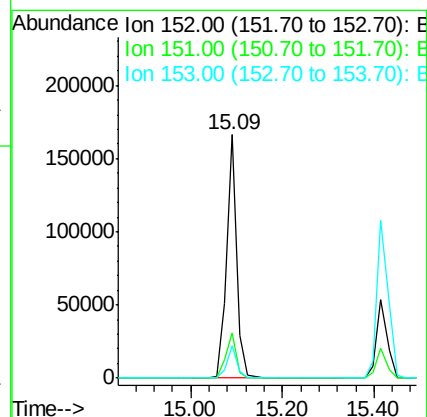
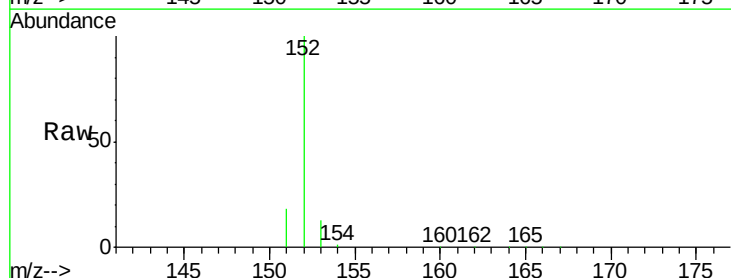
Tgt Ion:152 Resp: 258430

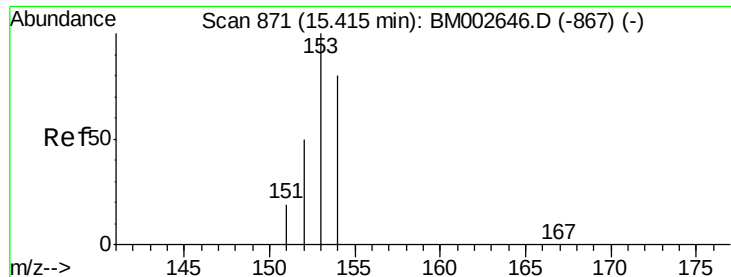
Ion Ratio Lower Upper

152 100

151 18.4 16.8 25.2

153 13.3 11.3 16.9





#10

Acenaphthene

Concen: 3.14 ng/ul

RT: 15.42 min Scan# 871

Delta R.T. 0.00 min

Lab File: BM002649.D

Acq: 03 Sep 2015 13:32

Instrument :

BNA_M

ClientSampleId :

SSTD3.267

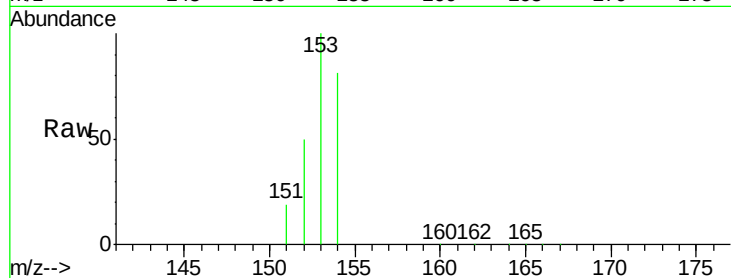
Tgt Ion:153 Resp: 175319

Ion Ratio Lower Upper

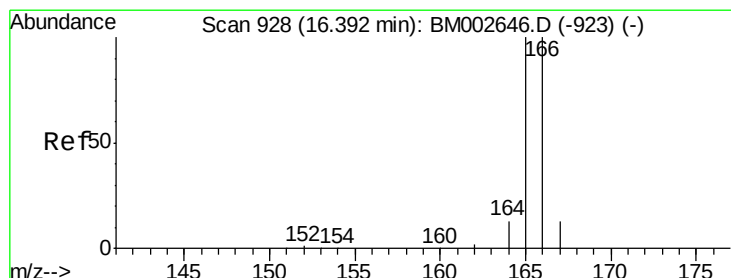
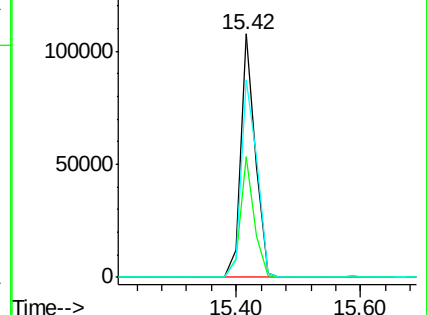
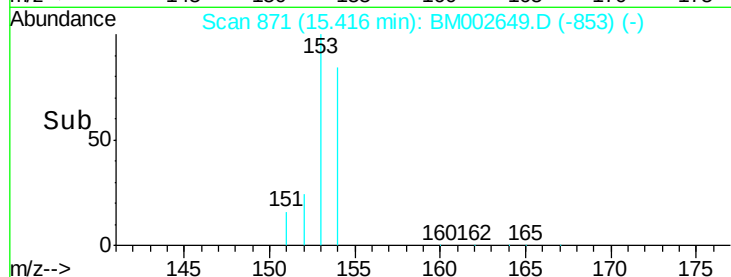
153 100

152 49.8 42.3 63.5

154 81.0 64.7 97.1



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: 3.14 ng/ul

RT: 16.39 min Scan# 928

Delta R.T. 0.00 min

Lab File: BM002649.D

Acq: 03 Sep 2015 13:32

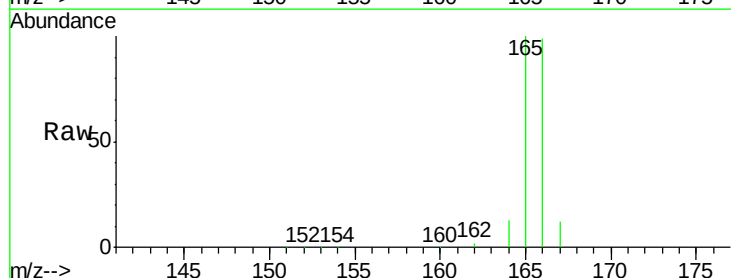
Tgt Ion:166 Resp: 186596

Ion Ratio Lower Upper

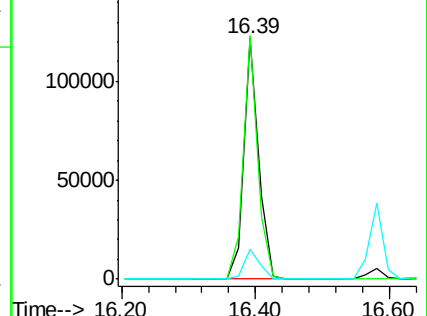
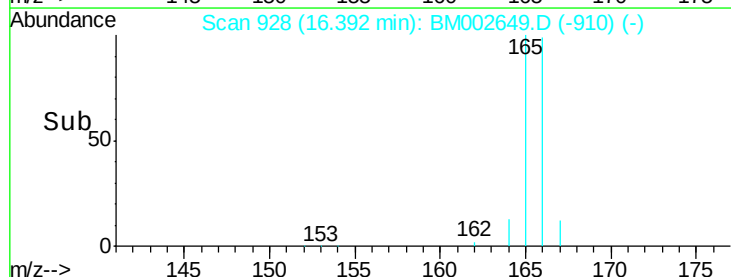
166 100

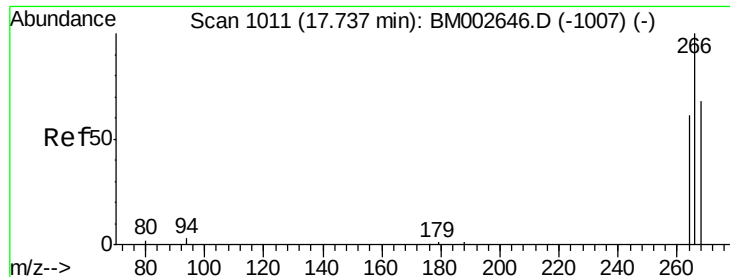
165 101.1 87.6 131.4

167 12.6 11.1 16.7



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

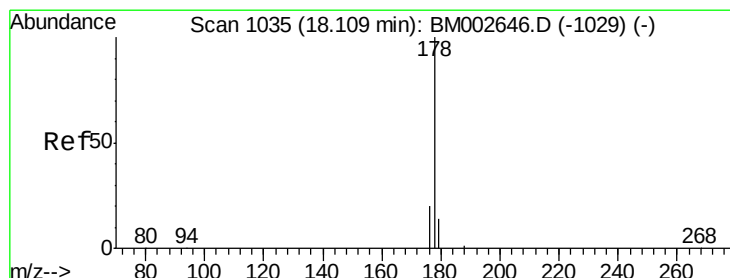
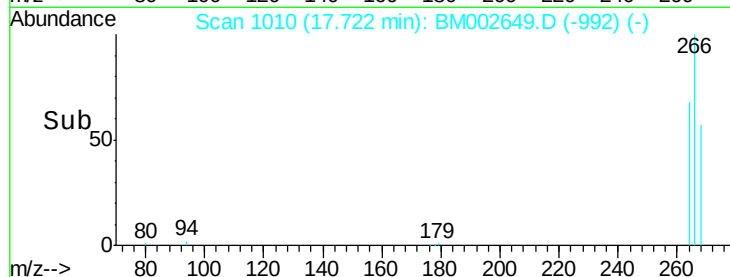
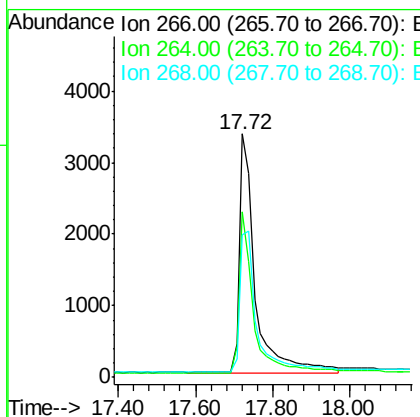
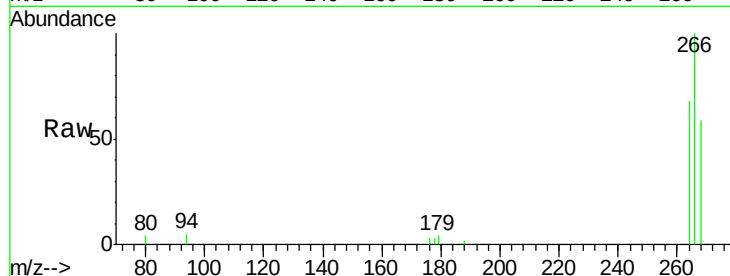




#13
 Pentachlorophenol
 Concen: 3.80 ng/ul
 RT: 17.72 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: BM002649.D
 Acq: 03 Sep 2015 13:32

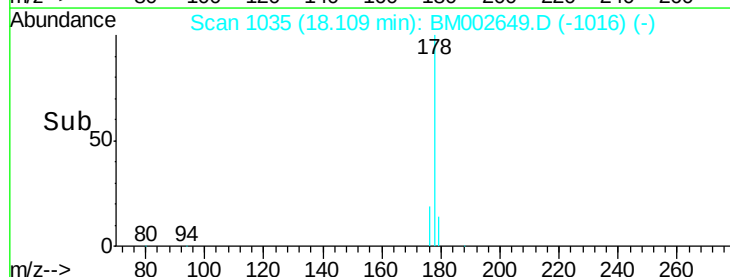
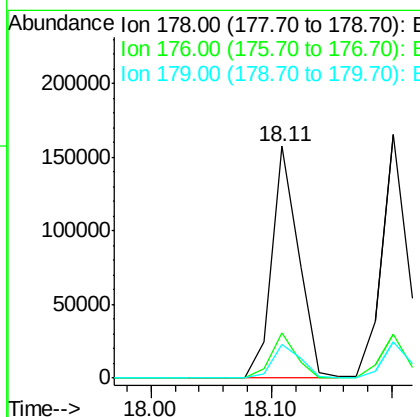
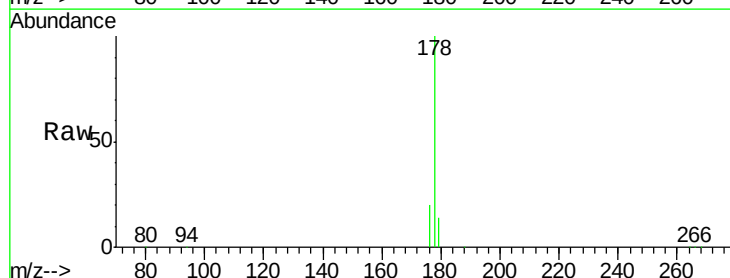
Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.267

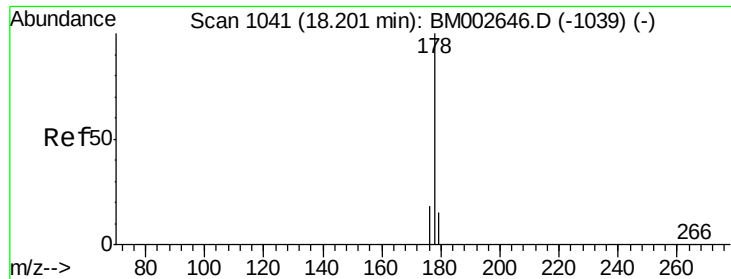
Tgt Ion: 266 Resp: 9442
 Ion Ratio Lower Upper
 266 100
 264 62.8 53.5 80.3
 268 64.2 54.2 81.2



#14
 Phenanthrene
 Concen: 3.19 ng/ul
 RT: 18.11 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BM002649.D
 Acq: 03 Sep 2015 13:32

Tgt Ion: 178 Resp: 243719
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.2 24.4
 179 14.4 12.8 19.2





#15

Anthracene

Concen: 3.22 ng/ul

RT: 18.20 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BM002649.D

Acq: 03 Sep 2015 13:32

Instrument :

BNA_M

ClientSampleId :

SSTD3.267

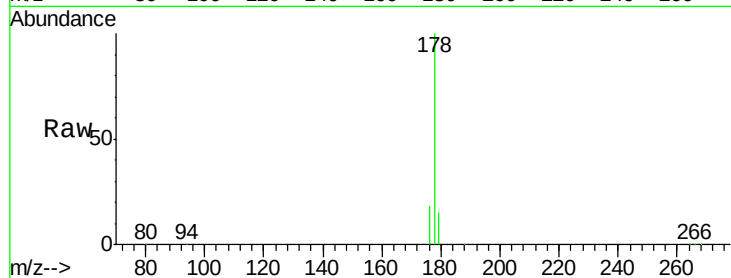
Tgt Ion:178 Resp: 245255

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.8

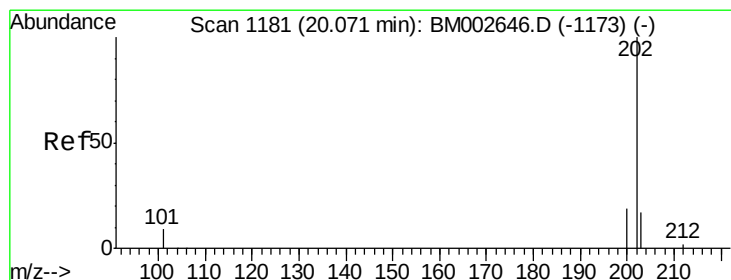
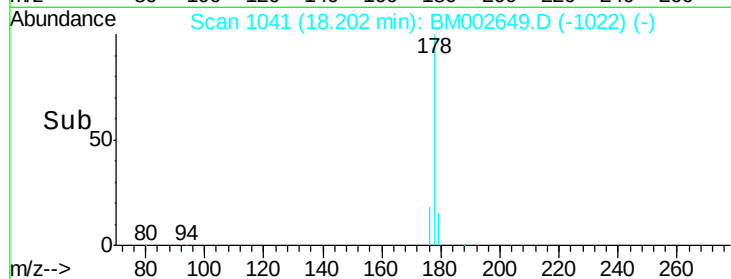
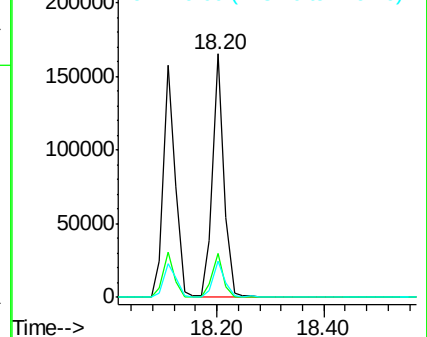
179 15.0 13.3 19.9



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: 2.94 ng/ul

RT: 20.07 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BM002649.D

Acq: 03 Sep 2015 13:32

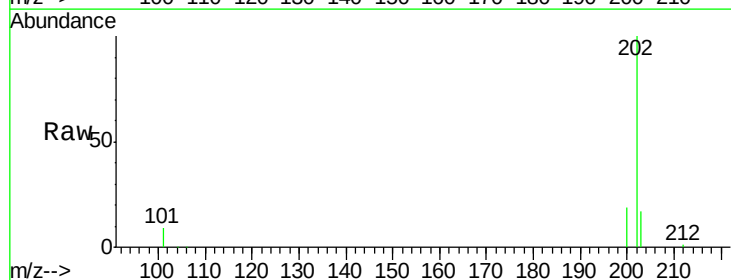
Tgt Ion:202 Resp: 235267

Ion Ratio Lower Upper

202 100

101 9.1 0.0 33.1

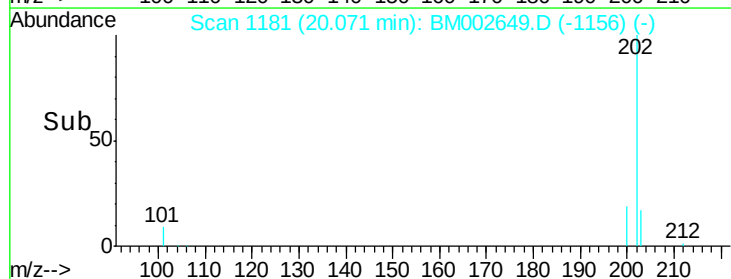
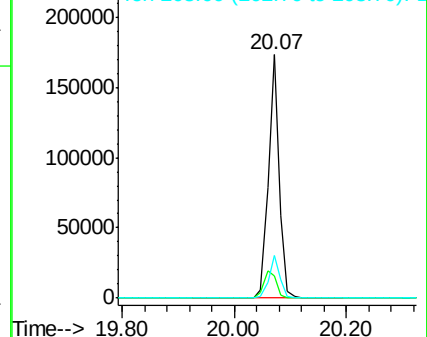
203 17.3 0.0 37.2

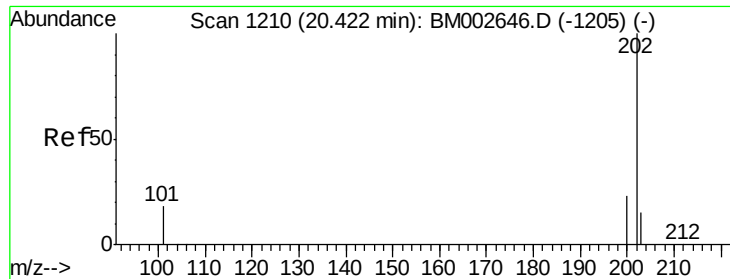


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

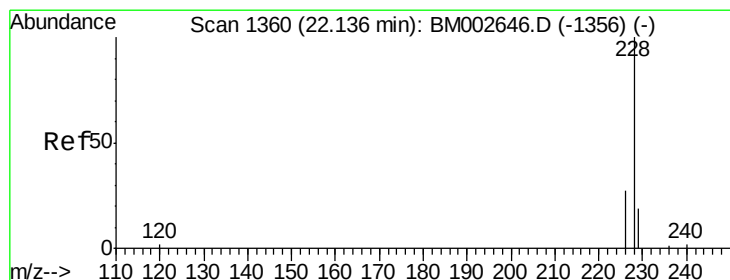
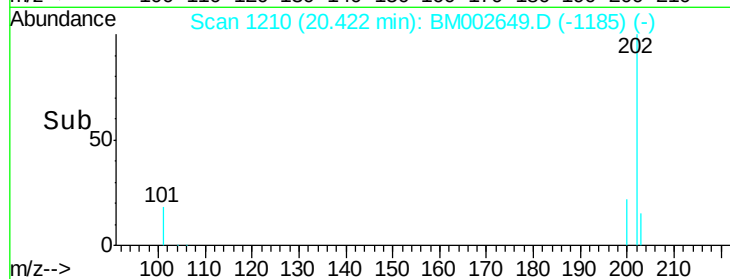
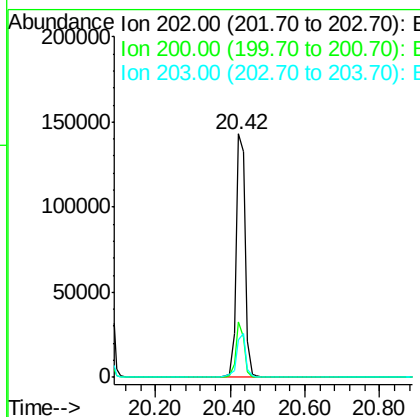
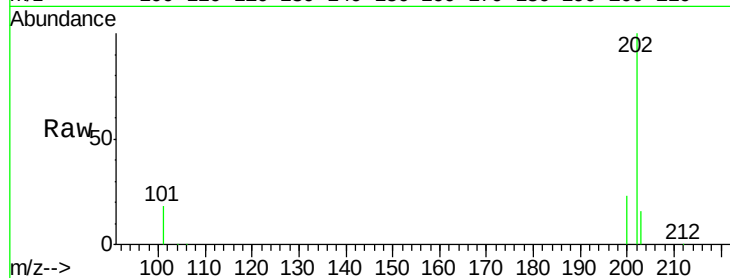




#19
Pyrene
Concen: 3.15 ng/ul
RT: 20.42 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BM002649.D
Acq: 03 Sep 2015 13:32

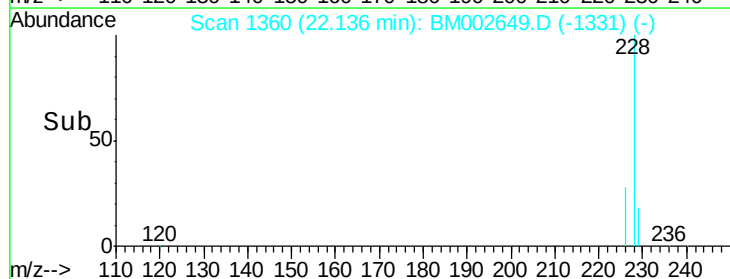
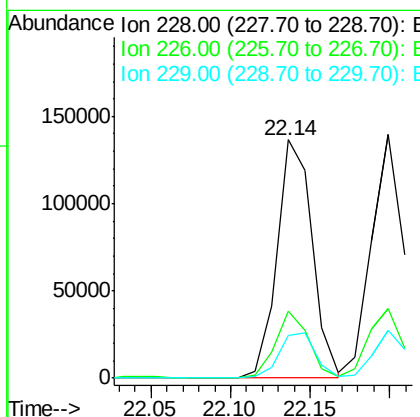
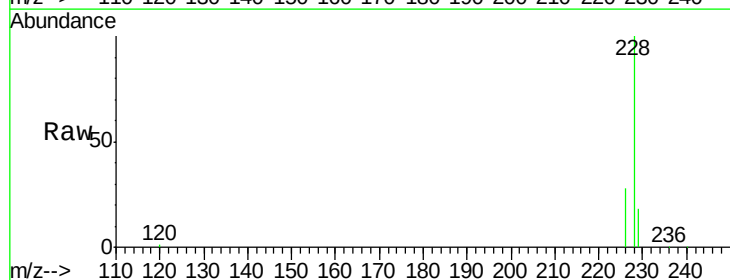
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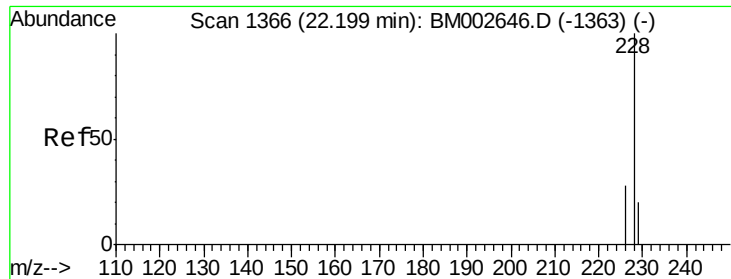
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.6	18.0	27.0
203	15.6	13.8	20.6



#20
Benzo(a)anthracene
Concen: 3.12 ng/ul
RT: 22.14 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BM002649.D
Acq: 03 Sep 2015 13:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.0	34.4
229	18.0	15.2	22.8





#21

Chrysene

Concen: 3.08 ng/ul

RT: 22.20 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BM002649.D

Acq: 03 Sep 2015 13:32

Instrument :

BNA_M

ClientSampleId :

SSTD3.267

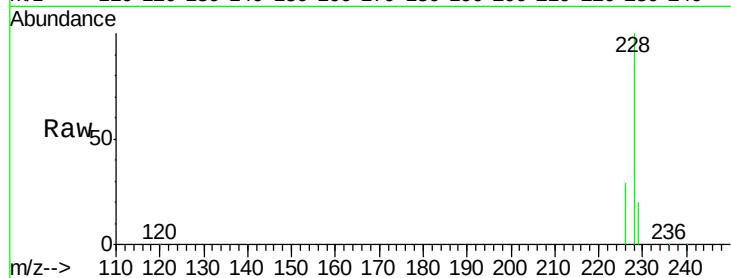
Tgt Ion:228 Resp: 197709

Ion Ratio Lower Upper

228 100

226 28.6 25.7 38.5

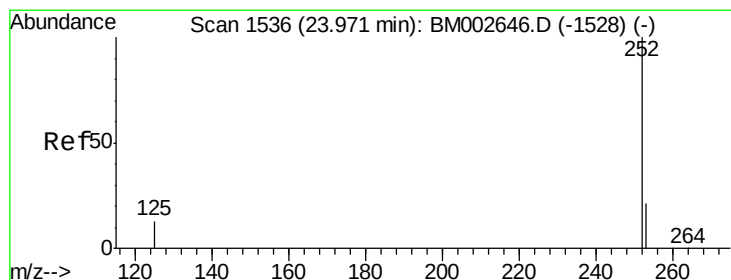
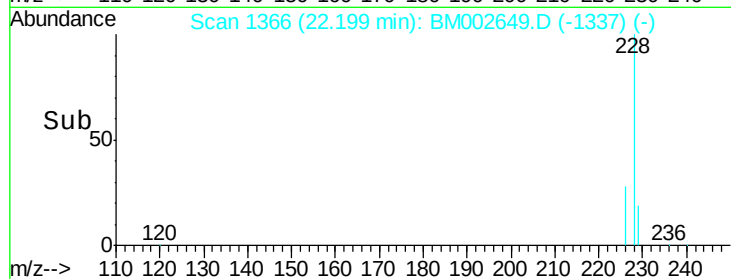
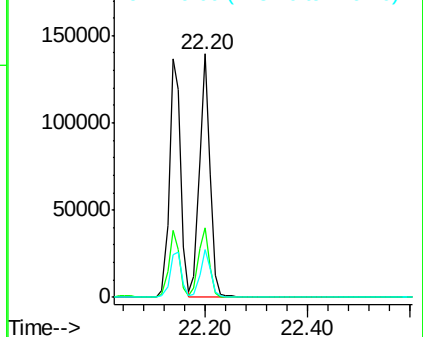
229 19.7 15.2 22.8



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



#23

Benzo(b)fluoranthene

Concen: 3.29 ng/ul

RT: 23.97 min Scan# 1536

Delta R.T. 0.00 min

Lab File: BM002649.D

Acq: 03 Sep 2015 13:32

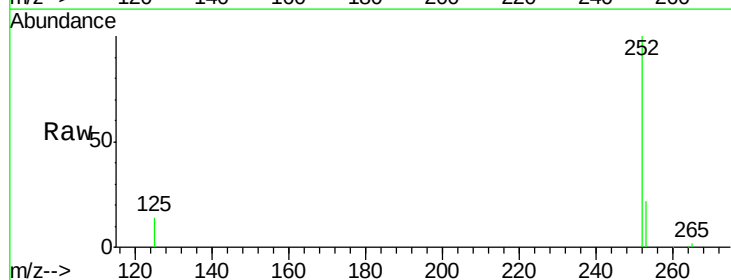
Tgt Ion:252 Resp: 223418

Ion Ratio Lower Upper

252 100

253 21.9 0.0 48.0

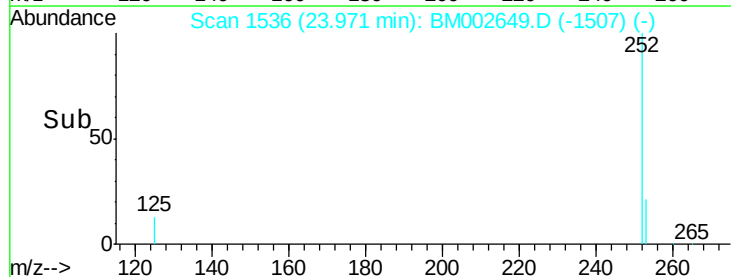
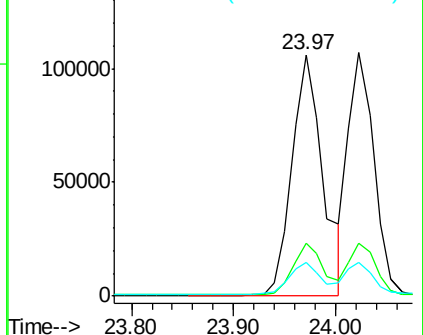
125 14.2 0.0 36.6

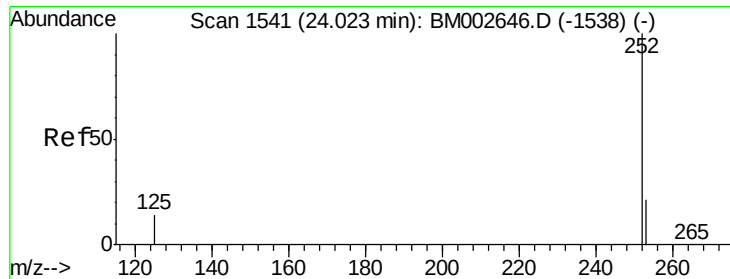


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 2.96 ng/ul

RT: 24.02 min Scan# 1541

Delta R.T. 0.00 min

Lab File: BM002649.D

Acq: 03 Sep 2015 13:32

Instrument :

BNA_M

ClientSampleId :

SSTD3.267

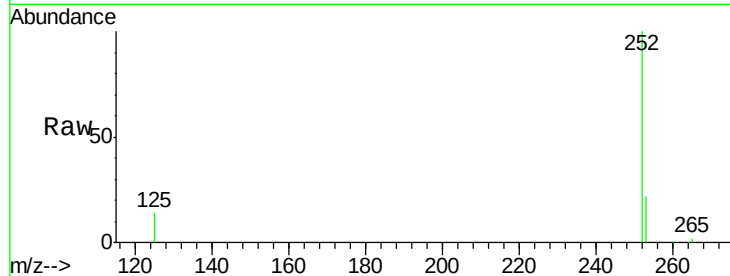
Tgt Ion:252 Resp: 188499

Ion Ratio Lower Upper

252 100

253 22.0 20.8 31.2

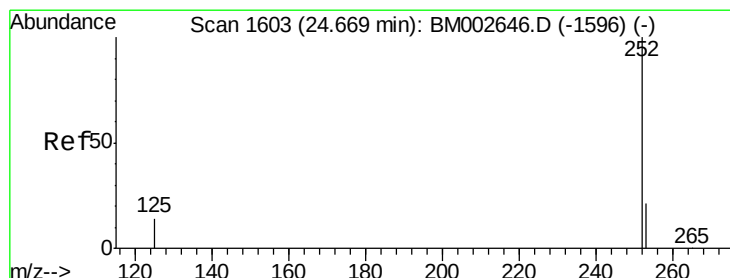
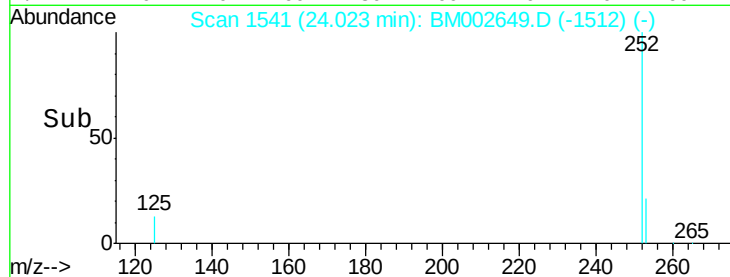
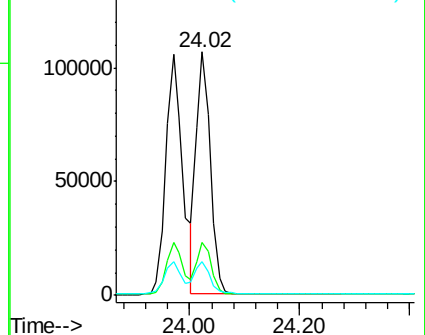
125 14.1 12.2 18.4



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



#25

Benzo(a)pyrene

Concen: 3.17 ng/ul

RT: 24.67 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BM002649.D

Acq: 03 Sep 2015 13:32

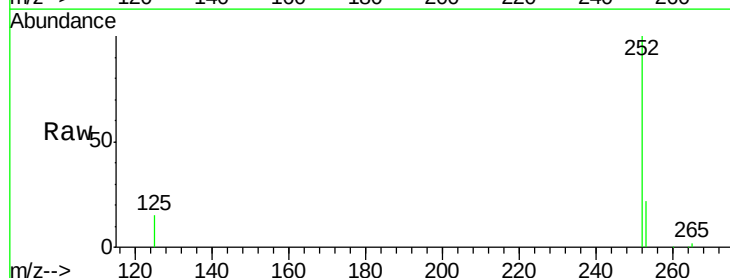
Tgt Ion:252 Resp: 201264

Ion Ratio Lower Upper

252 100

253 22.3 21.8 32.8

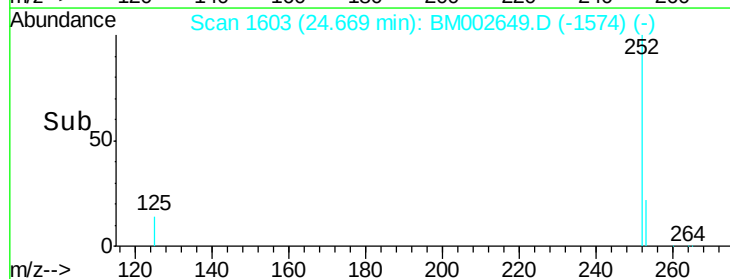
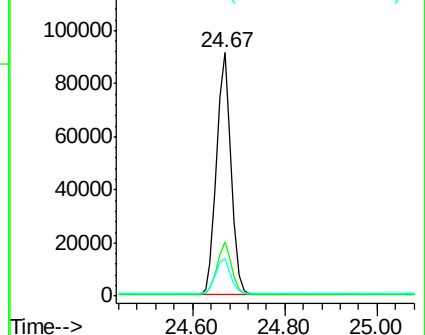
125 15.4 14.5 21.7

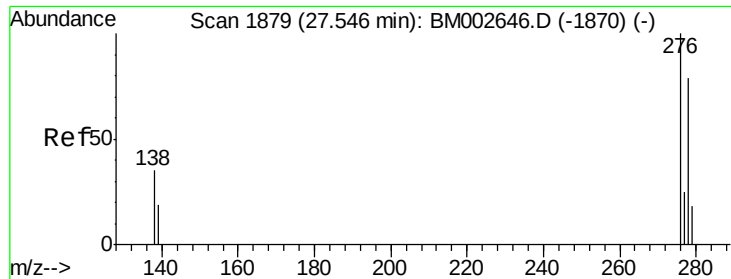


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.19 ng/ul

RT: 27.55 min Scan# 1879

Delta R.T. 0.00 min

Lab File: BM002649.D

Acq: 03 Sep 2015 13:32

Instrument :

BNA_M

ClientSampleId :

SSTD3.267

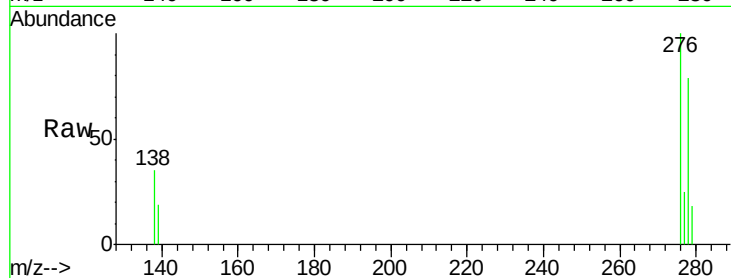
Tgt Ion:276 Resp: 239519

Ion Ratio Lower Upper

276 100

138 34.0 27.5 41.3

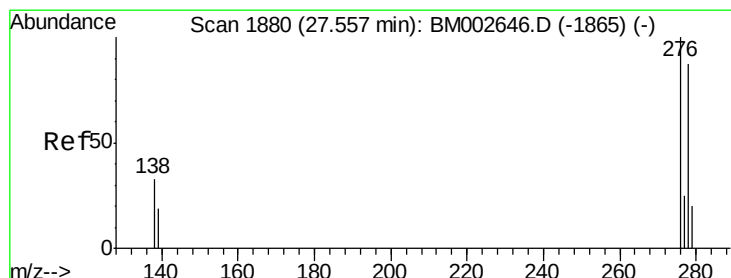
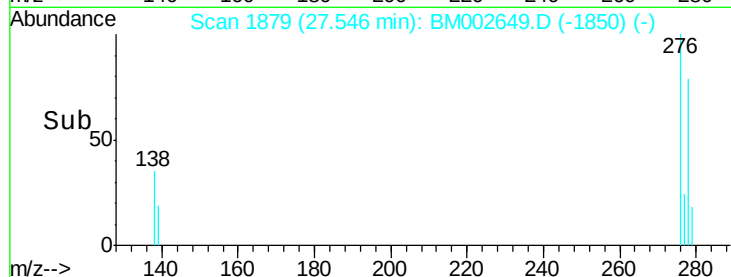
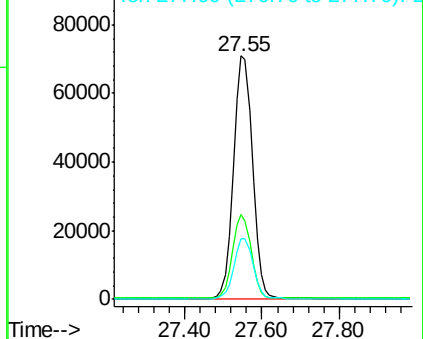
277 24.8 19.3 28.9



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



#27

Dibenzo(a,h)anthracene

Concen: 3.19 ng/ul

RT: 27.56 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BM002649.D

Acq: 03 Sep 2015 13:32

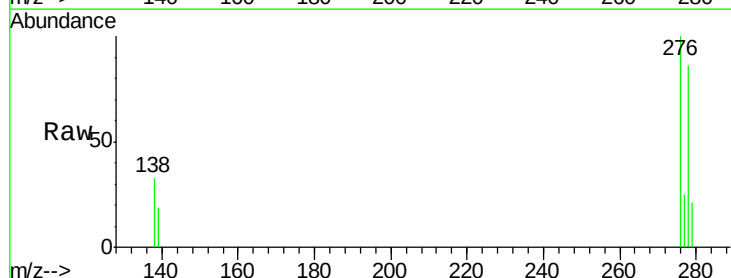
Tgt Ion:278 Resp: 196445

Ion Ratio Lower Upper

278 100

139 21.7 21.7 32.5

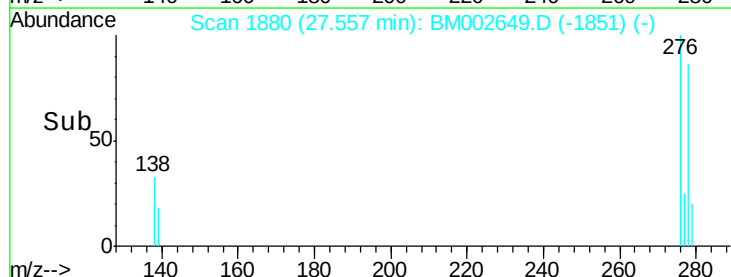
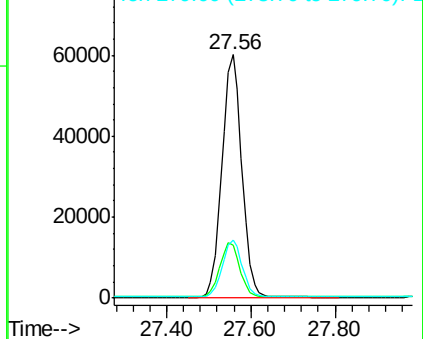
279 23.8 21.9 32.9

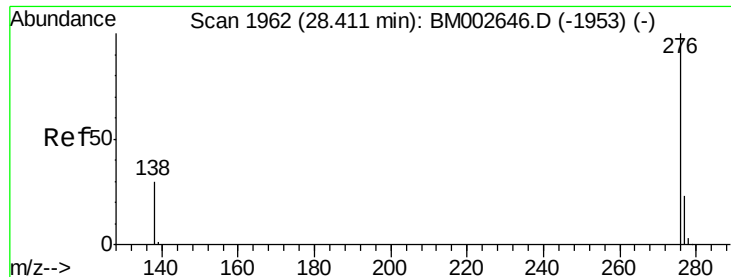


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 3.16 ng/ul

RT: 28.42 min Scan# 1963

Delta R.T. 0.01 min

Lab File: BM002649.D

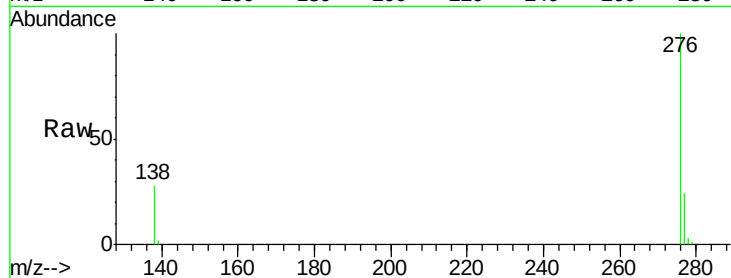
Acq: 03 Sep 2015 13:32

Instrument :

BNA_M

ClientSampleId :

SSTD3.267



Tgt Ion: 276 Resp: 203130

Ion Ratio Lower Upper

276 100

277 23.9 21.3 31.9

138 28.4 25.5 38.3

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

