

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121515\
 Data File : BM003572.D
 Acq On : 16 Dec 2015 05:19
 Operator : UM/IZ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.454

Quant Time: Dec 16 05:59:58 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 : Wed Dec 16 05:49:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	4908	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	18841	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	10274	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.11	188	23781	0.40	ng/ul	0.00
18) Chrysene-d12	21.30	240	20701	0.40	ng/ul	-0.01
22) Perylene-d12	23.56	264	14950	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.18	96	1066	0.51	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.10	152	2148	0.10	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	4843	0.10	ng/ul	0.00

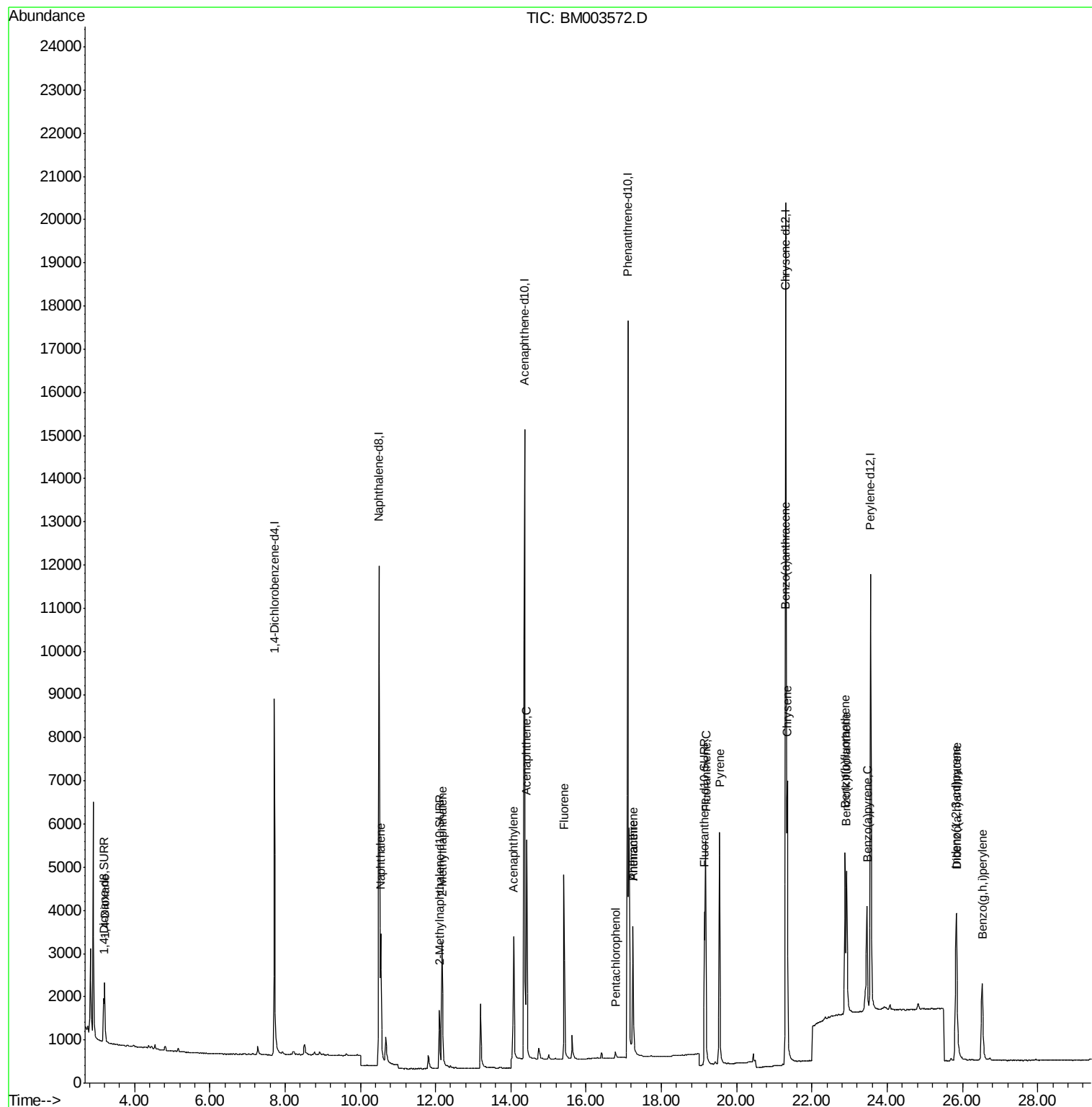
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.21	88	1475	0.55	ng/ul#	100
5) Naphthalene	10.55	128	4137	0.10	ng/ul#	94
7) 2-Methylnaphthalene	12.17	142	2744	0.10	ng/ul	97
9) Acenaphthylene	14.07	152	3596	0.09	ng/ul#	96
10) Acenaphthene	14.42	153	3053	0.10	ng/ul	86
11) Fluorene	15.41	166	3478	0.10	ng/ul#	82
13) Pentachlorophenol	16.78	266	216	0.06	ng/ul	91
14) Phenanthrene	17.24	178	4273	0.07	ng/ul	96
15) Anthracene	17.24	178	4817	0.09	ng/ul	95
17) Fluoranthene	19.18	202	6142	0.09	ng/ul	92
19) Pyrene	19.54	202	6345	0.11	ng/ul#	94
20) Benzo(a)anthracene	21.29	228	4820	0.10	ng/ul	97
21) Chrysene	21.35	228	6600	0.11	ng/ul	97
23) Benzo(b)fluoranthene	22.88	252	5037	0.10	ng/ul	84
24) Benzo(k)fluoranthene	22.92	252	5079	0.11	ng/ul#	85
25) Benzo(a)pyrene	23.46	252	4287	0.10	ng/ul#	77
26) Indeno(1,2,3-cd)pyrene	25.83	276	4624	0.09	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.84	278	3757	0.09	ng/ul#	83
28) Benzo(g,h,i)perylene	26.53	276	4160	0.10	ng/ul#	92

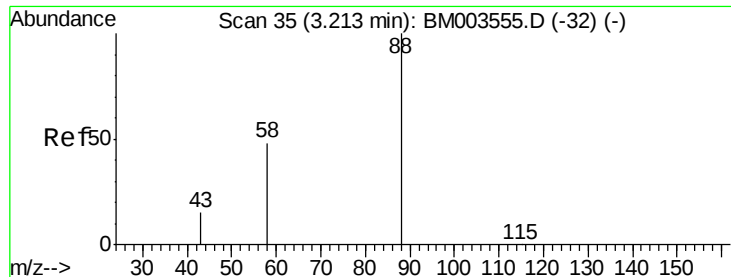
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121515\
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 16 05:49:57 2015
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#3

1,4-Dioxane

Concen: 0.55 ng/ul

RT: 3.21 min Scan# 35

Delta R.T. 0.00 min

Lab File: BM003572.D

Acq: 16 Dec 2015 05:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

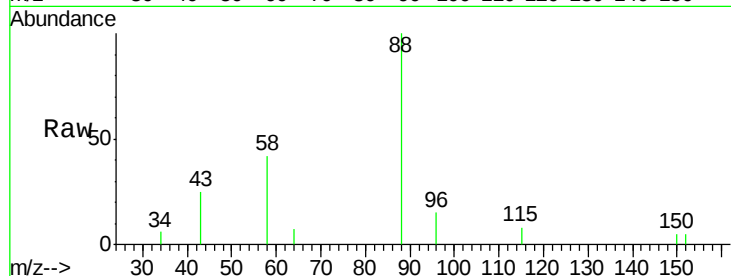
Tgt Ion: 88 Resp: 1475

Ion Ratio Lower Upper

88 100

58 51.2 0.0 0.0#

43 21.2 0.0 0.0#

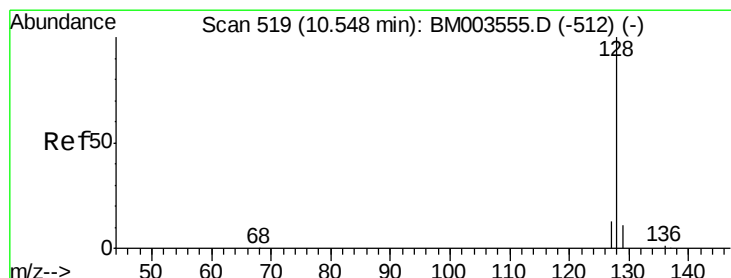
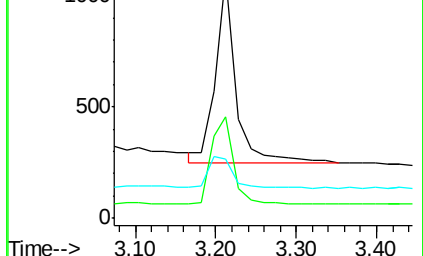
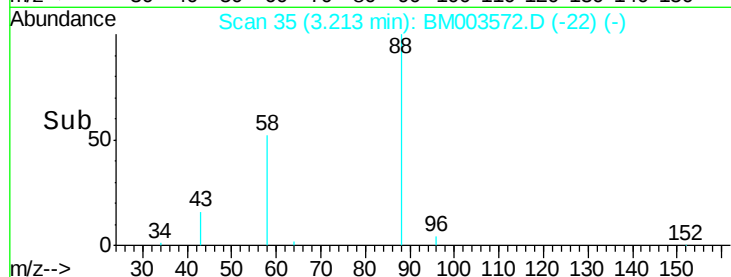


Abundance Ion 88.00 (87.70 to 88.70): BM003572.D (-22) (-)

Ion 58.00 (57.70 to 58.70): BM003572.D (-22) (-)

Ion 43.00 (42.70 to 43.70): BM003572.D (-22) (-)

Time-->



#5

Naphthalene

Concen: 0.10 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003572.D

Acq: 16 Dec 2015 05:19

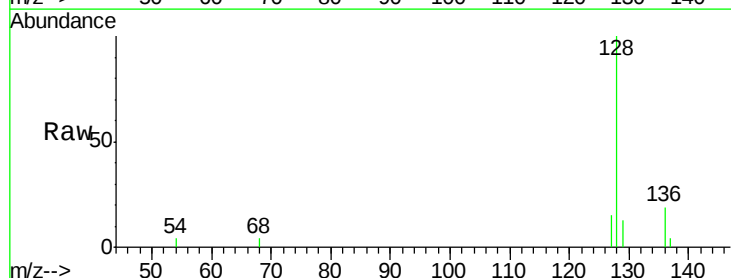
Tgt Ion: 128 Resp: 4137

Ion Ratio Lower Upper

128 100

129 12.8 9.0 13.6

127 15.3 9.6 14.4#

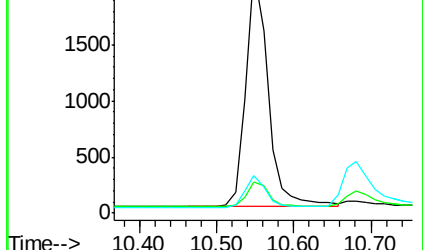
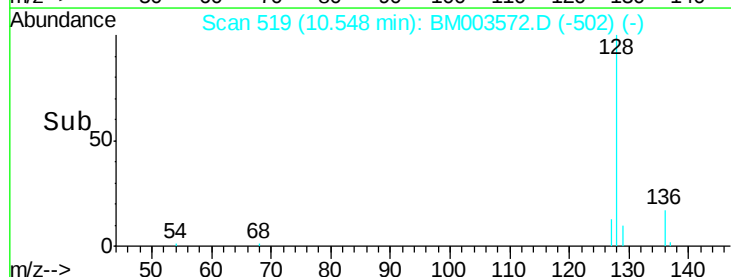


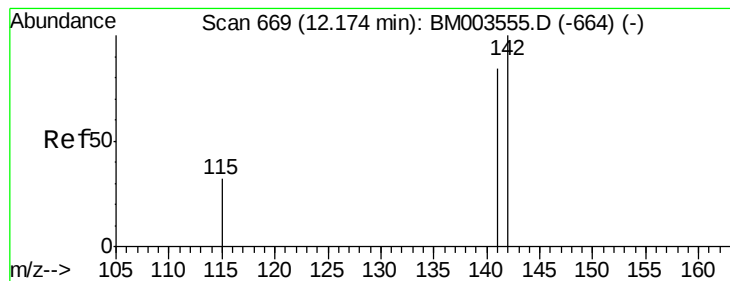
Abundance Ion 128.00 (127.70 to 128.70): BM003572.D (-502) (-)

Ion 129.00 (128.70 to 129.70): BM003572.D (-502) (-)

Ion 127.00 (126.70 to 127.70): BM003572.D (-502) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.10 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM003572.D

Acq: 16 Dec 2015 05:19

Instrument :

BNA_M

ClientSampleId :

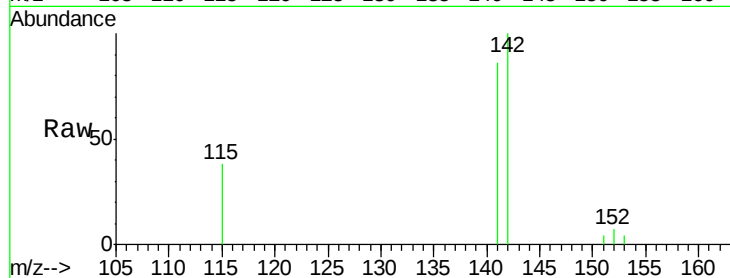
SSTD0.454

Tgt Ion:142 Resp: 2744

Ion Ratio Lower Upper

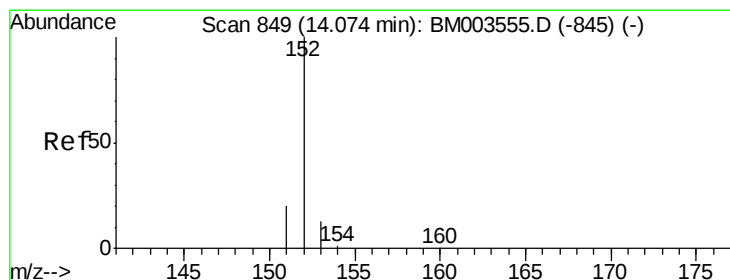
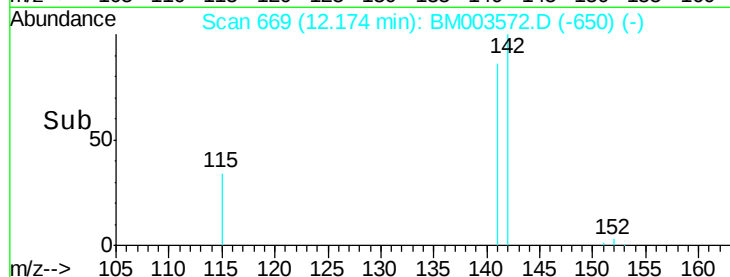
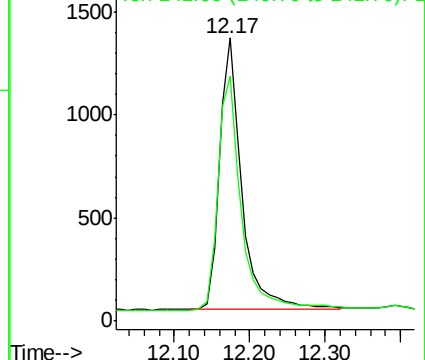
142 100

141 90.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.09 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003572.D

Acq: 16 Dec 2015 05:19

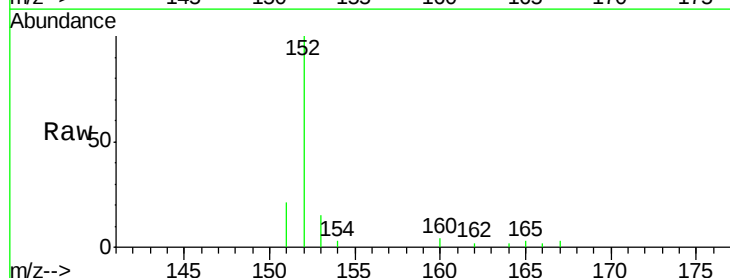
Tgt Ion:152 Resp: 3596

Ion Ratio Lower Upper

152 100

151 21.1 17.6 26.4

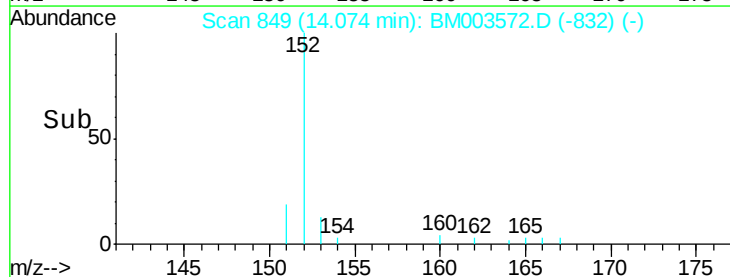
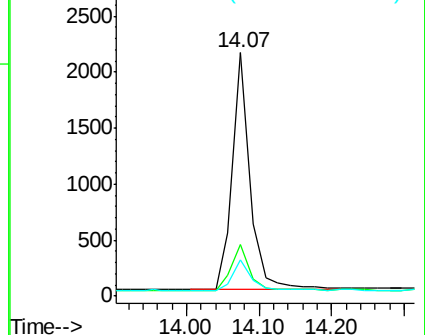
153 15.1 9.7 14.5#

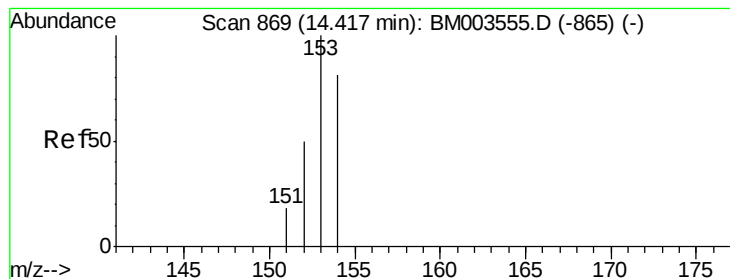


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.10 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003572.D

Acq: 16 Dec 2015 05:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

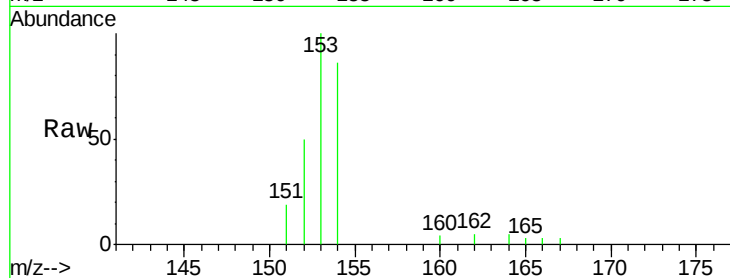
Tgt Ion:153 Resp: 3053

Ion Ratio Lower Upper

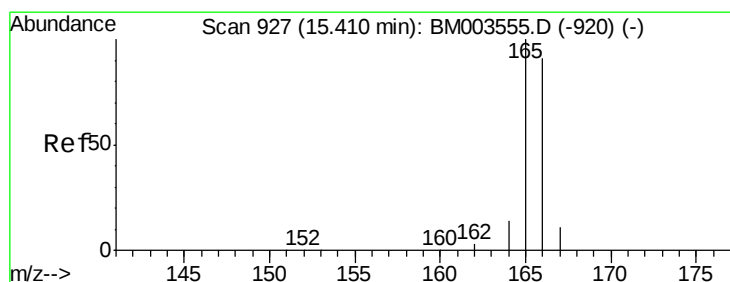
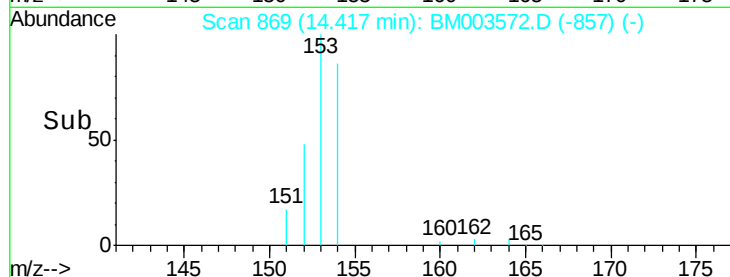
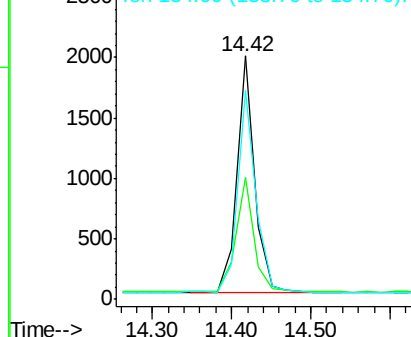
153 100

152 50.2 33.9 50.9

154 86.1 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: 0.10 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM003572.D

Acq: 16 Dec 2015 05:19

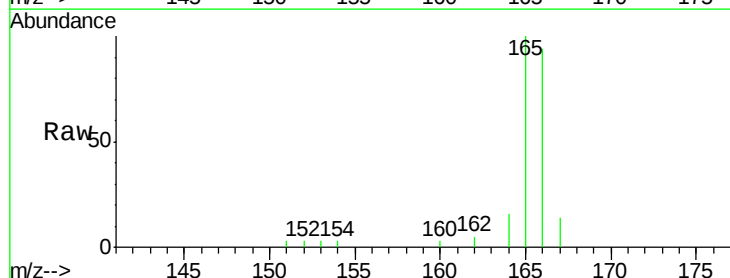
Tgt Ion:166 Resp: 3478

Ion Ratio Lower Upper

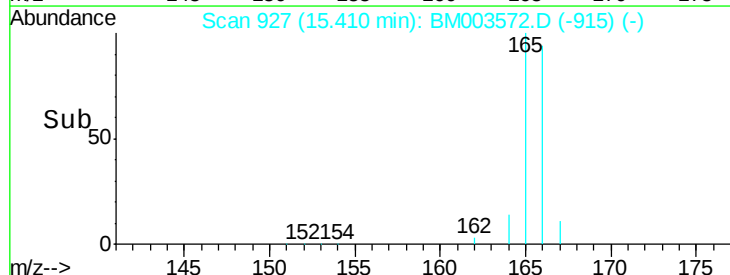
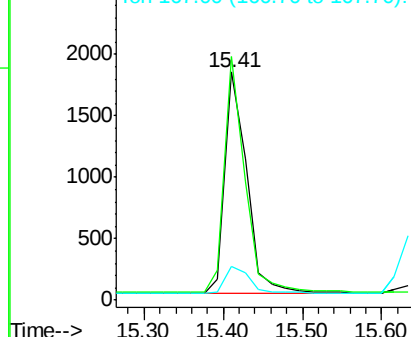
166 100

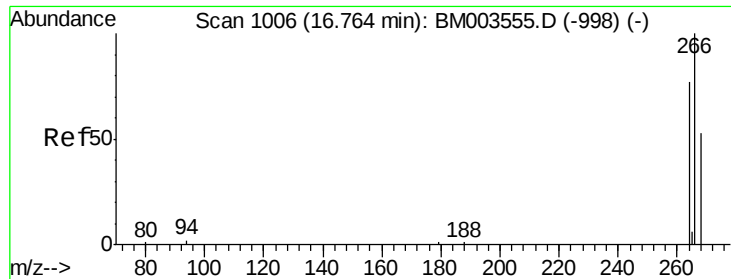
165 106.7 69.6 104.4#

167 15.0 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

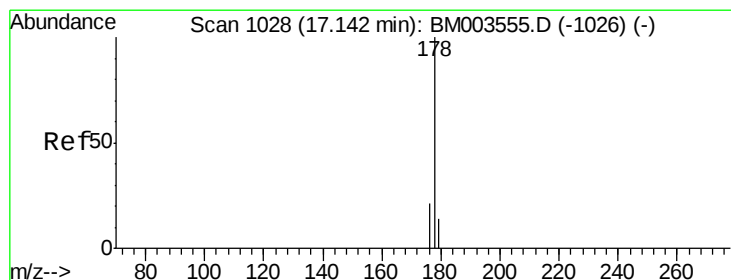
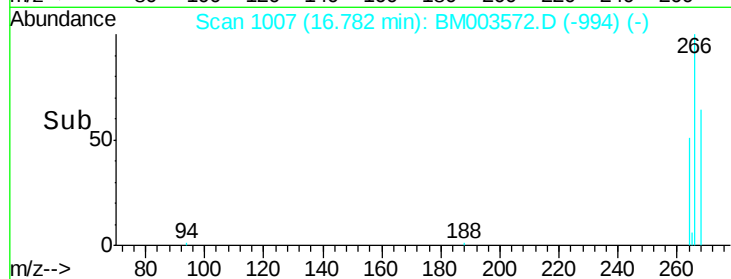
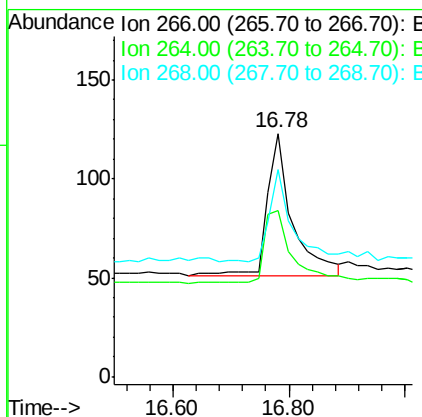
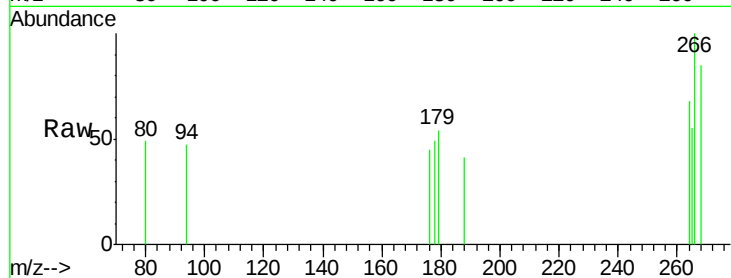




#13
 Pentachlorophenol
 Concen: 0.06 ng/ul
 RT: 16.78 min Scan# 1007
 Delta R.T. 0.02 min
 Lab File: BM003572.D
 Acq: 16 Dec 2015 05:19

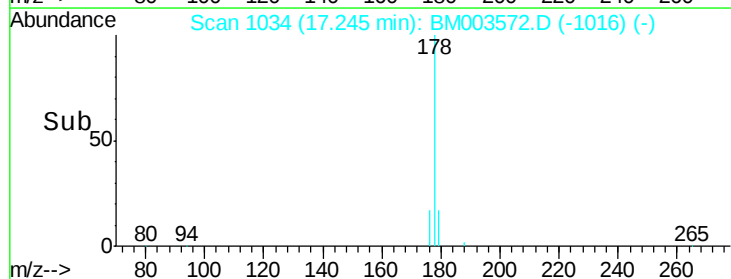
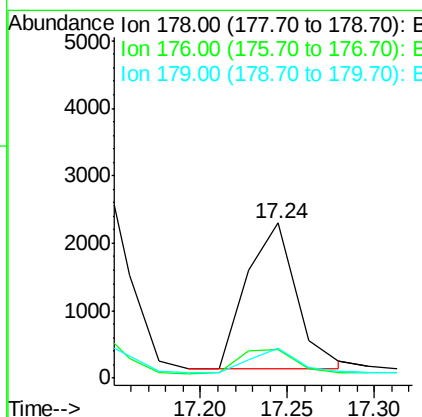
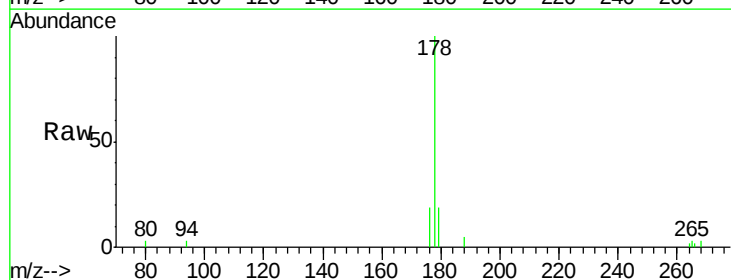
Instrument :
 BNA_M
 ClientSampleId :
 SST0.454

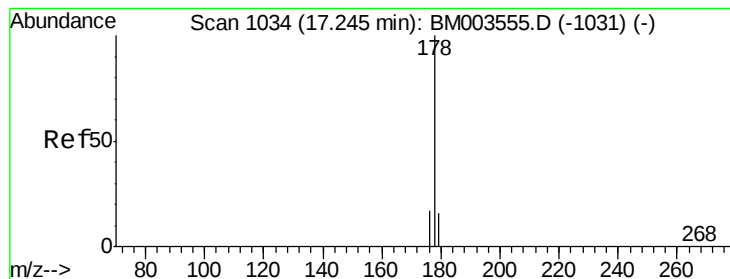
Tgt Ion: 266 Resp: 216
 Ion Ratio Lower Upper
 266 100
 264 54.6 51.8 77.8
 268 54.6 46.8 70.2



#14
 Phenanthrene
 Concen: 0.07 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. 0.10 min
 Lab File: BM003572.D
 Acq: 16 Dec 2015 05:19

Tgt Ion: 178 Resp: 4273
 Ion Ratio Lower Upper
 178 100
 176 18.6 13.0 19.4
 179 19.1 14.2 21.2





#15

Anthracene

Concen: 0.09 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM003572.D

Acq: 16 Dec 2015 05:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

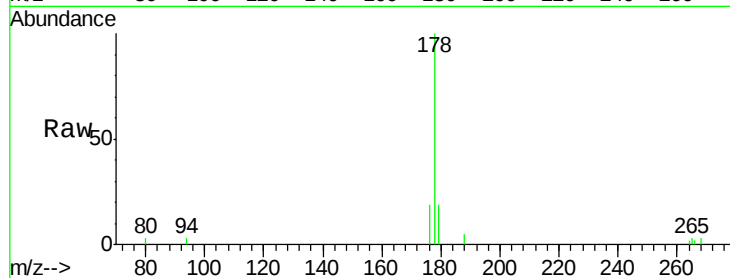
Tgt Ion:178 Resp: 4817

Ion Ratio Lower Upper

178 100

176 18.6 14.0 21.0

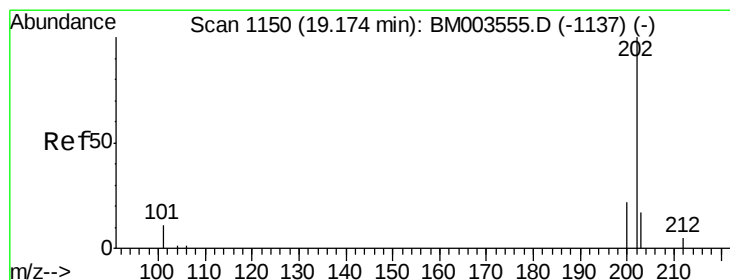
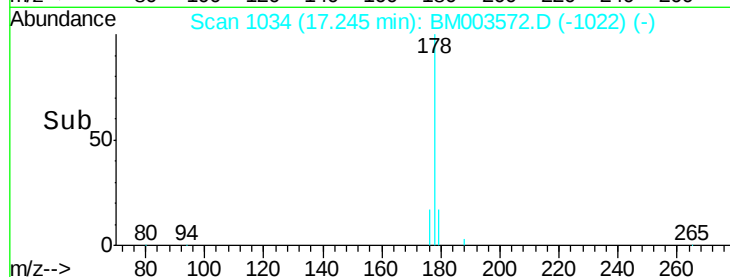
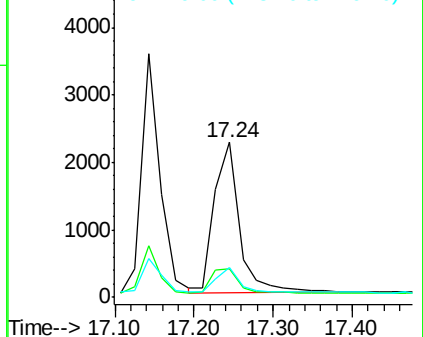
179 19.1 12.9 19.3



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: 0.09 ng/ul

RT: 19.18 min Scan# 1151

Delta R.T. 0.01 min

Lab File: BM003572.D

Acq: 16 Dec 2015 05:19

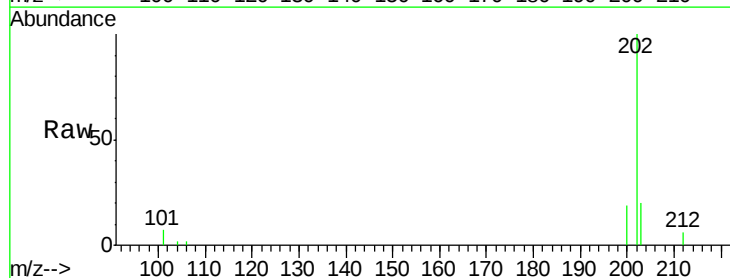
Tgt Ion:202 Resp: 6142

Ion Ratio Lower Upper

202 100

101 7.4 0.0 29.6

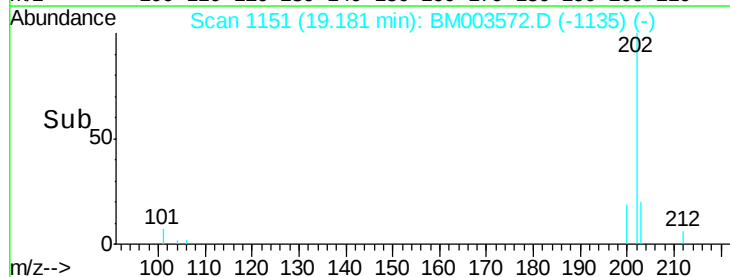
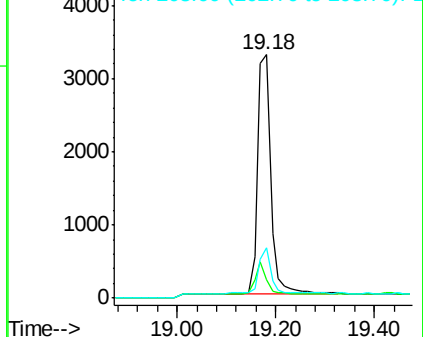
203 20.4 0.0 36.3

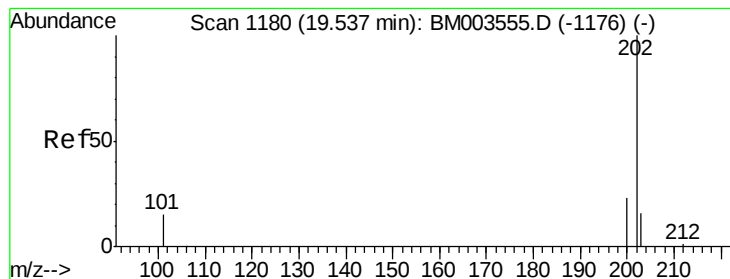


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.11 ng/ul

RT: 19.54 min Scan# 1181

Delta R.T. 0.01 min

Lab File: BM003572.D

Acq: 16 Dec 2015 05:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

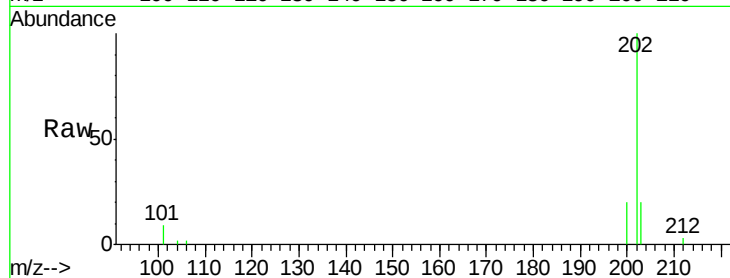
Tgt Ion:202 Resp: 6345

Ion Ratio Lower Upper

202 100

200 20.1 17.8 26.8

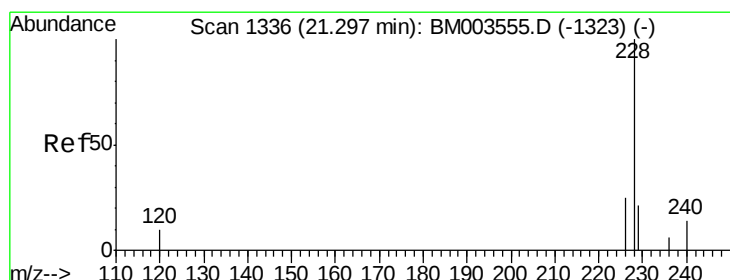
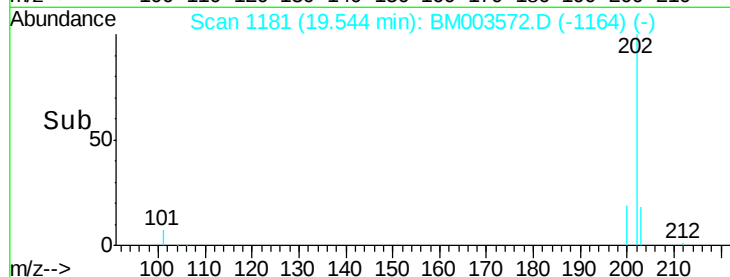
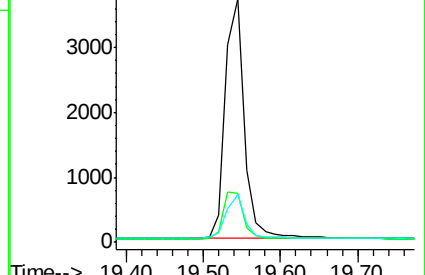
203 19.6 12.8 19.2#



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: 0.10 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BM003572.D

Acq: 16 Dec 2015 05:19

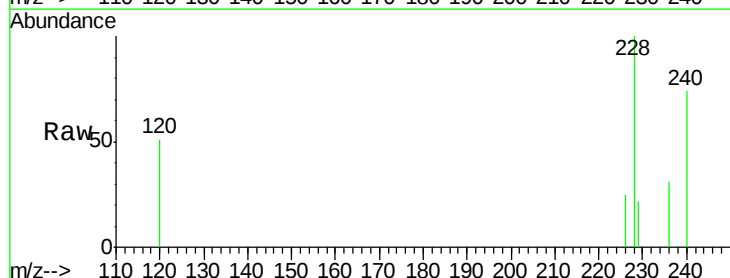
Tgt Ion:228 Resp: 4820

Ion Ratio Lower Upper

228 100

226 25.3 18.8 28.2

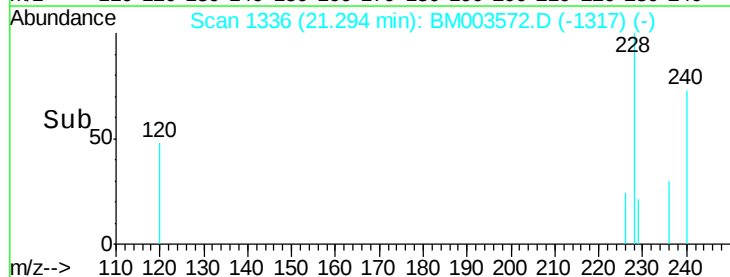
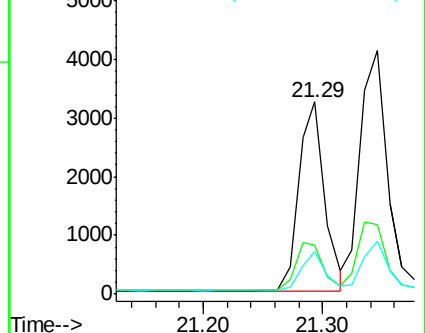
229 22.3 17.1 25.7

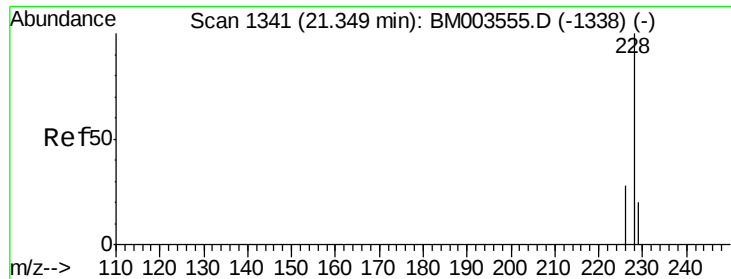


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.11 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM003572.D

Acq: 16 Dec 2015 05:19

Instrument :

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ClientSampleId :

SSTD0.454

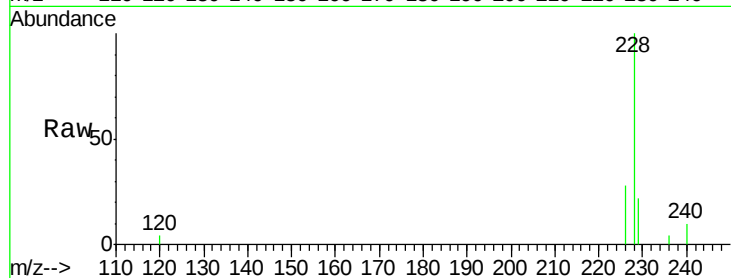
Tgt Ion:228 Resp: 6600

Ion Ratio Lower Upper

228 100

226 28.3 21.2 31.8

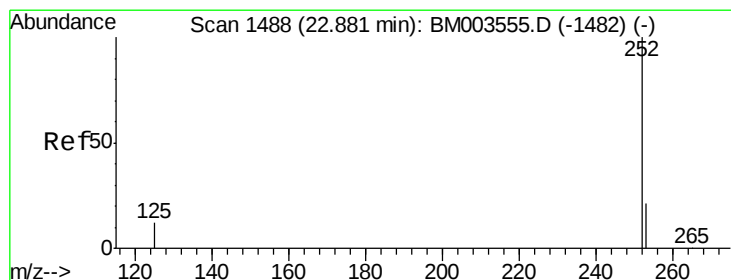
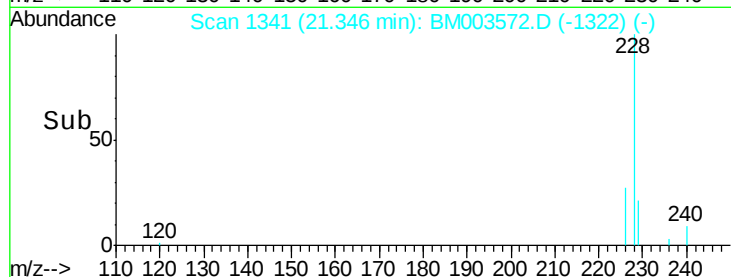
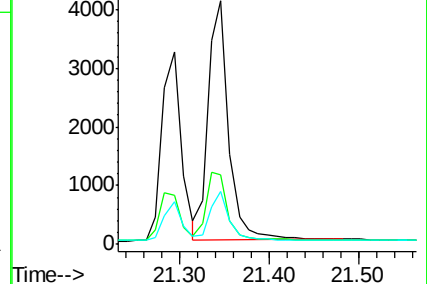
229 21.9 17.0 25.6



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: 0.10 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BM003572.D

Acq: 16 Dec 2015 05:19

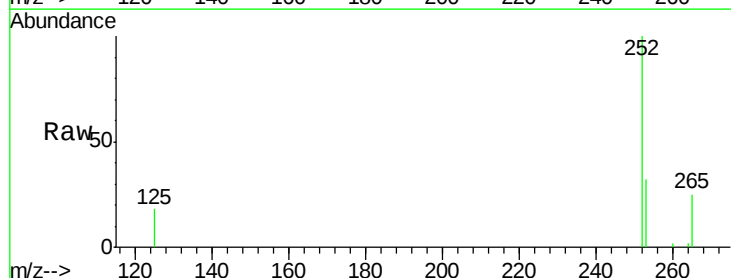
Tgt Ion:252 Resp: 5037

Ion Ratio Lower Upper

252 100

253 32.4 0.0 45.4

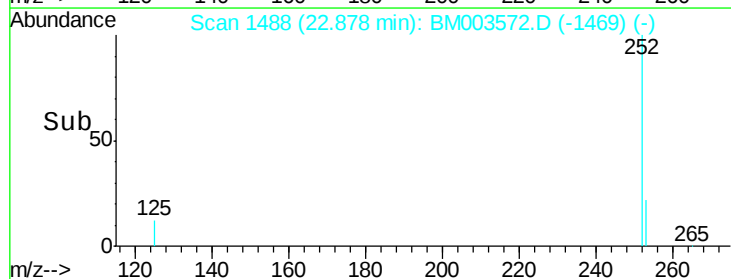
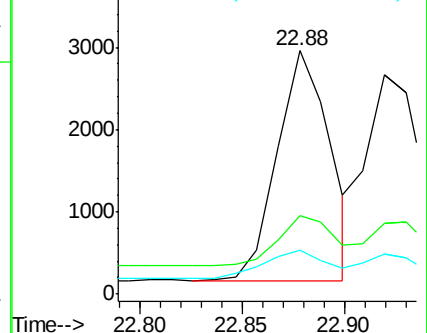
125 17.9 0.0 28.8

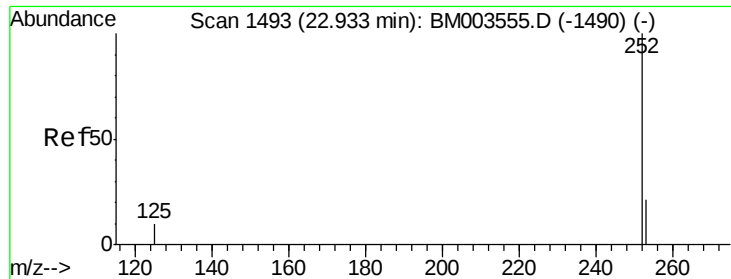


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.11 ng/u1

RT: 22.92 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BM003572.D

Acq: 16 Dec 2015 05:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

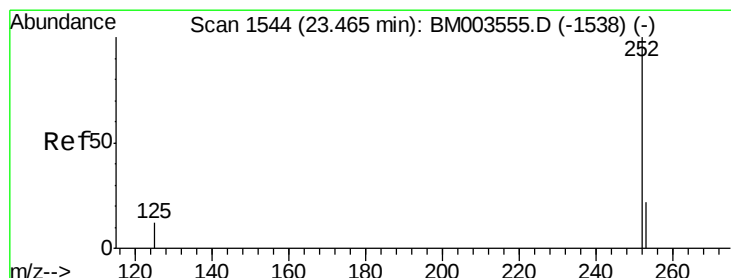
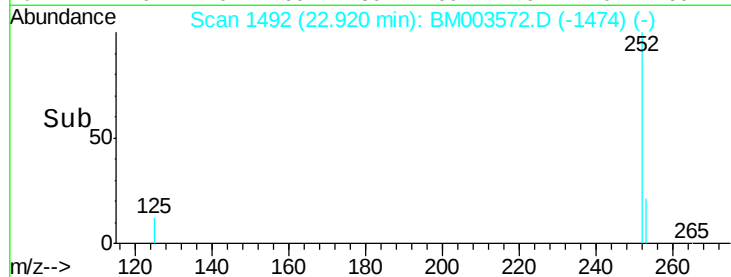
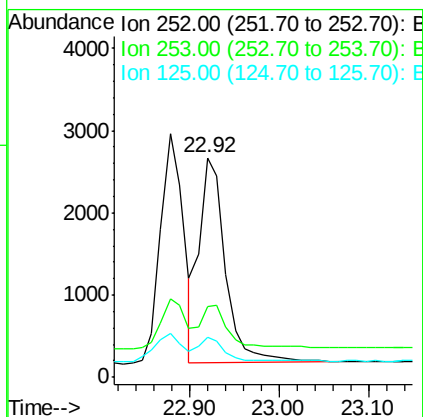
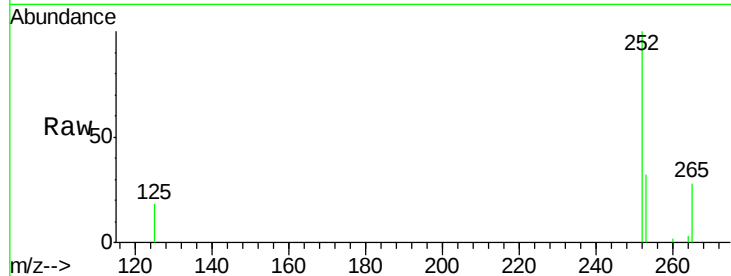
Tgt Ion:252 Resp: 5079

Ion Ratio Lower Upper

252 100

253 32.4 19.8 29.8#

125 18.5 10.4 15.6#



#25

Benzo(a)pyrene

Concen: 0.10 ng/u1

RT: 23.46 min Scan# 1544

Delta R.T. -0.00 min

Lab File: BM003572.D

Acq: 16 Dec 2015 05:19

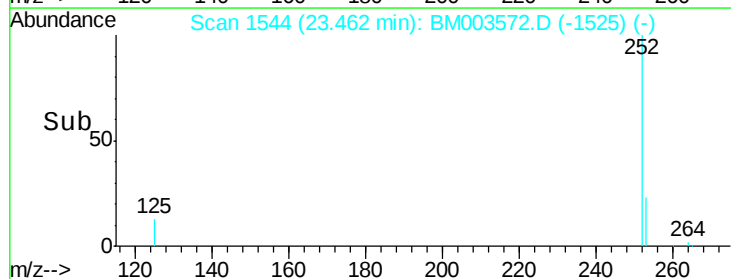
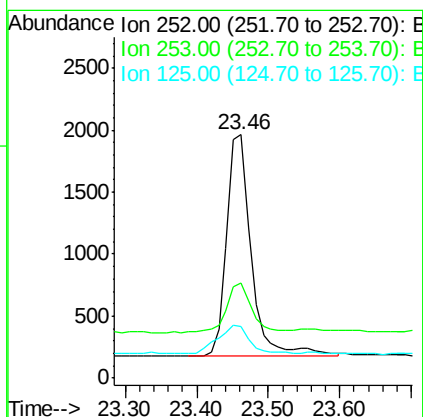
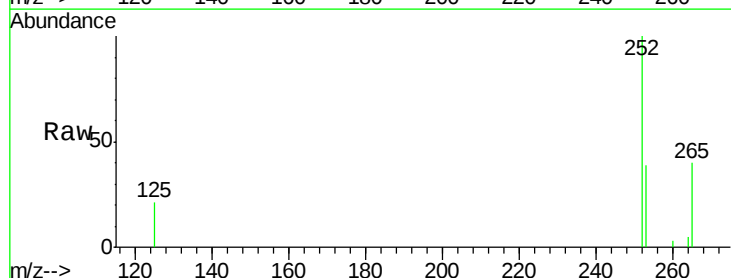
Tgt Ion:252 Resp: 4287

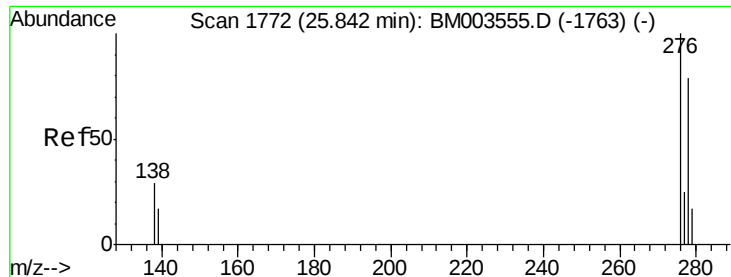
Ion Ratio Lower Upper

252 100

253 39.3 19.4 29.2#

125 21.4 12.7 19.1#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.09 ng/ul

RT: 25.83 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BM003572.D

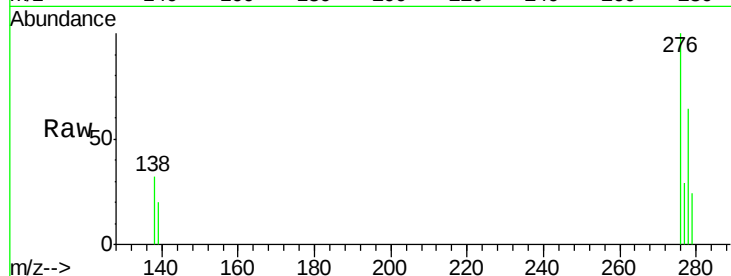
Acq: 16 Dec 2015 05:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.454



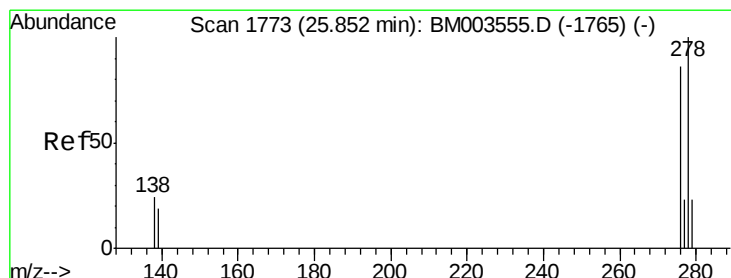
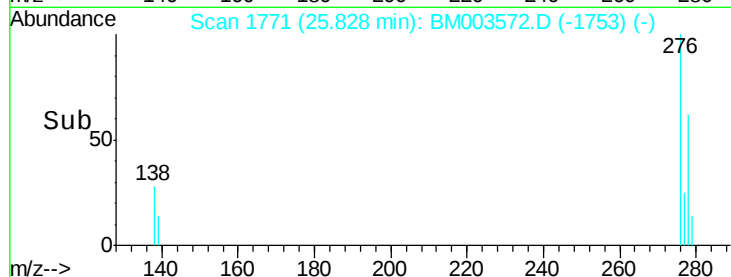
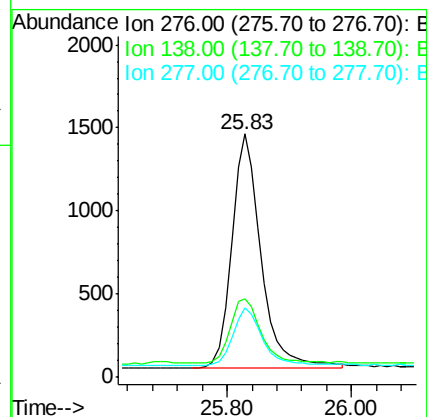
Tgt Ion:276 Resp: 4624

Ion Ratio Lower Upper

276 100

138 29.5 16.3 24.5#

277 25.2 19.8 29.8



#27

Dibenzo(a,h)anthracene

Concen: 0.09 ng/ul

RT: 25.84 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BM003572.D

Acq: 16 Dec 2015 05:19

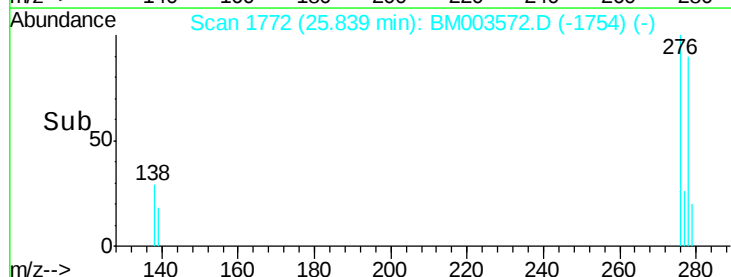
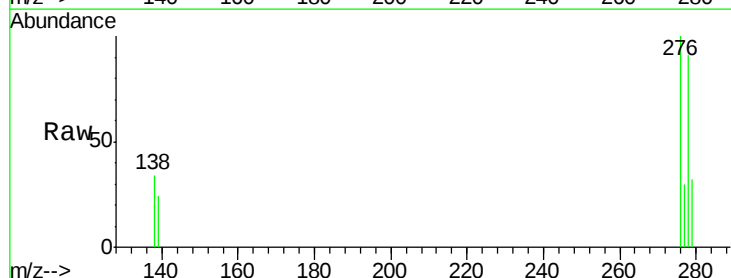
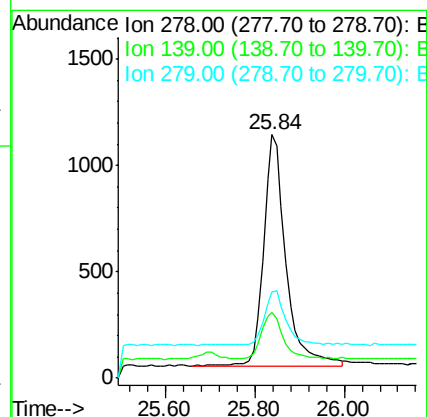
Tgt Ion:278 Resp: 3757

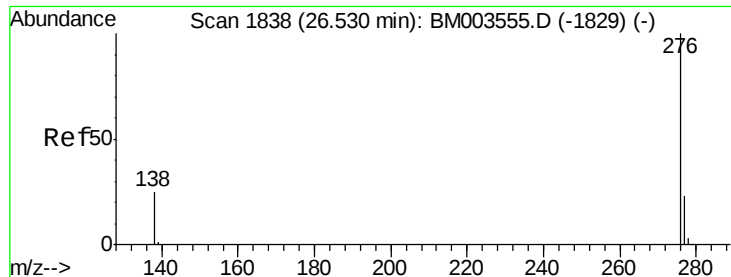
Ion Ratio Lower Upper

278 100

139 26.8 16.4 24.6#

279 35.4 20.2 30.2#





#28

Benzo(g,h,i)perylene

Concen: 0.10 ng/ul

RT: 26.53 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BM003572.D

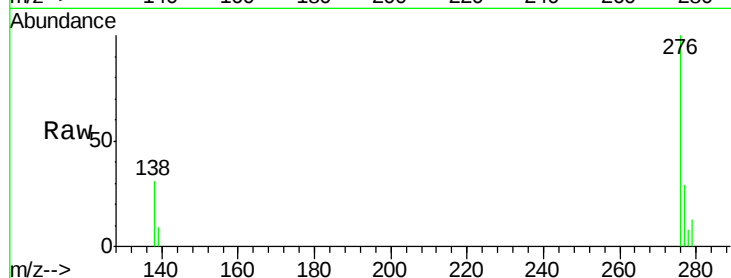
Acq: 16 Dec 2015 05:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.454



Tgt Ion: 276 Resp: 4160

Ion Ratio Lower Upper

276 100

277 28.5 18.9 28.3#

138 31.3 22.5 33.7

