

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121615\
 Data File : BM003579.D
 Acq On : 16 Dec 2015 16:06
 Operator : UM/IZ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.456

Quant Time: Dec 17 01:13:46 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 : Thu Dec 17 01:09:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	5099	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	19929	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	10801	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.11	188	23645	0.40	ng/ul	0.00
18) Chrysene-d12	21.31	240	20250	0.40	ng/ul	0.00
22) Perylene-d12	23.57	264	14981	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	4364	2.00	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.10	152	9713	0.41	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	19657	0.39	ng/ul	0.00

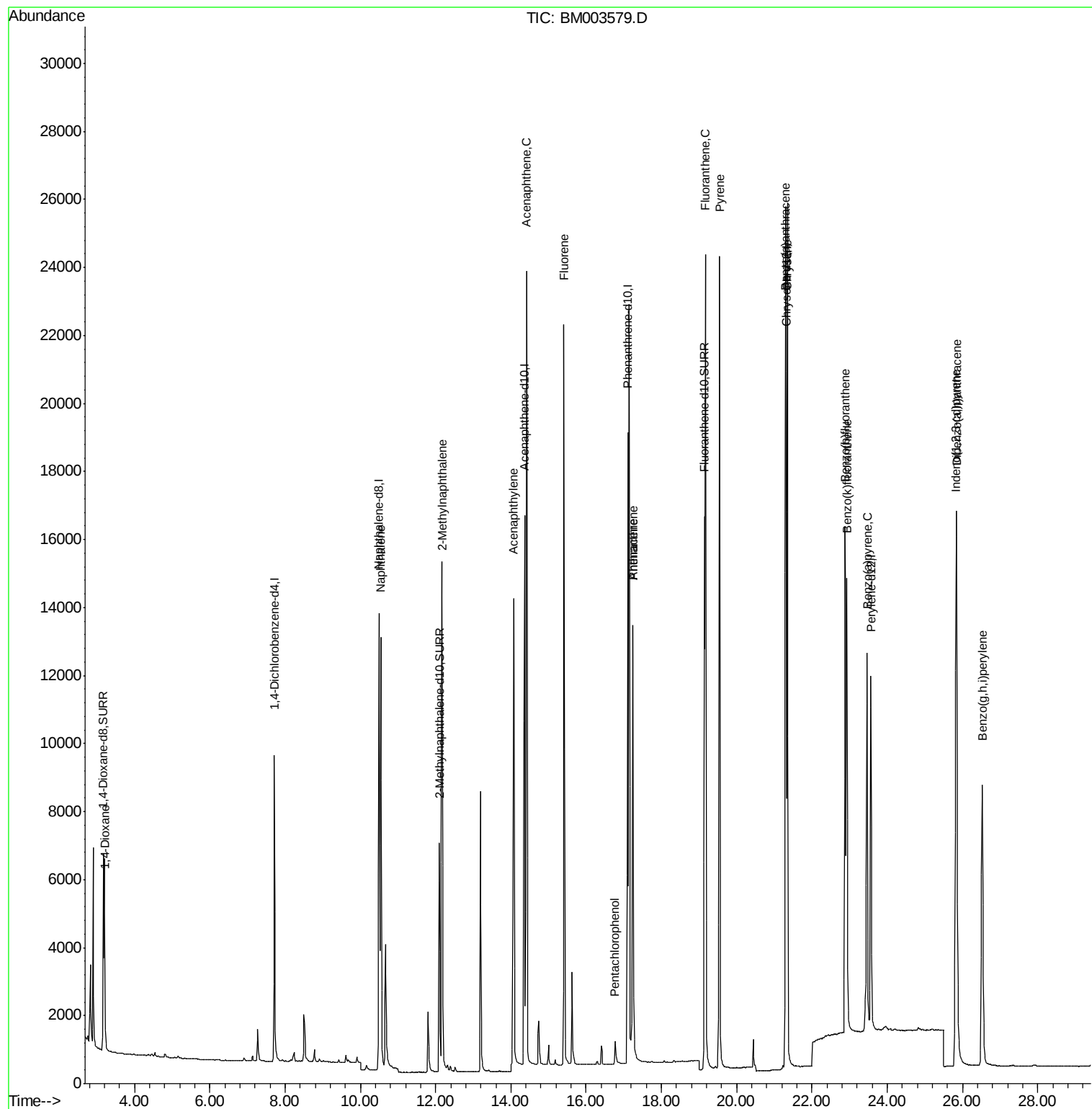
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.21	88	5288	1.90	ng/ul#	100
5) Naphthalene	10.55	128	18269	0.41	ng/ul	98
7) 2-Methylnaphthalene	12.17	142	12766	0.42	ng/ul	99
9) Acenaphthylene	14.07	152	16722	0.41	ng/ul	94
10) Acenaphthene	14.42	153	13811	0.42	ng/ul	86
11) Fluorene	15.41	166	15563	0.42	ng/ul	84
13) Pentachlorophenol	16.76	266	822	0.24	ng/ul	94
14) Phenanthrene	17.24	178	20323	0.33	ng/ul	99
15) Anthracene	17.24	178	21498	0.41	ng/ul	98
17) Fluoranthene	19.17	202	26401	0.40	ng/ul	94
19) Pyrene	19.54	202	26354	0.48	ng/ul	94
20) Benzo(a)anthracene	21.29	228	20404	0.41	ng/ul	97
21) Chrysene	21.35	228	23321	0.41	ng/ul	96
23) Benzo(b)fluoranthene	22.88	252	19675	0.38	ng/ul	99
24) Benzo(k)fluoranthene	22.93	252	20011	0.43	ng/ul	98
25) Benzo(a)pyrene	23.46	252	17720	0.41	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	25.83	276	20462	0.41	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.84	278	16502	0.41	ng/ul	98
28) Benzo(g,h,i)perylene	26.53	276	18066	0.42	ng/ul	98

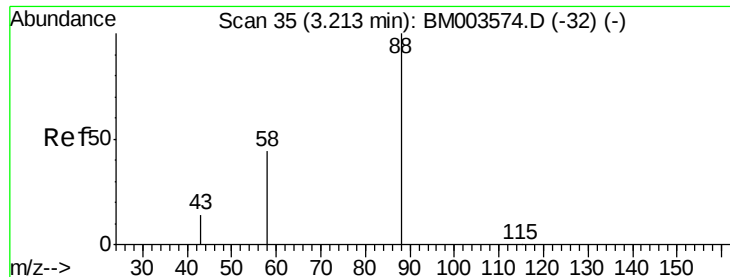
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.90 ng/ul

RT: 3.21 min Scan# 35

Delta R.T. 0.00 min

Lab File: BM003579.D

Acq: 16 Dec 2015 16:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

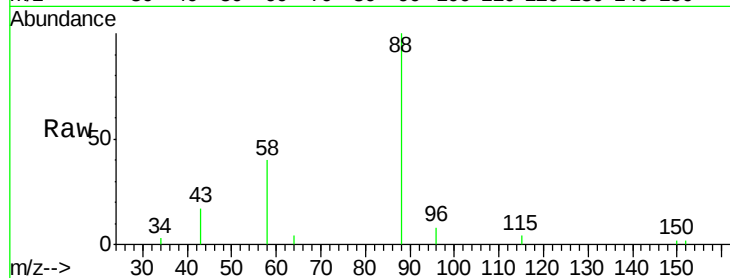
Tgt Ion: 88 Resp: 5288

Ion Ratio Lower Upper

88 100

58 60.0 0.0 0.0#

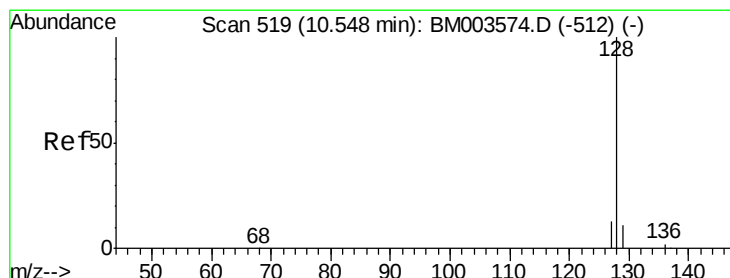
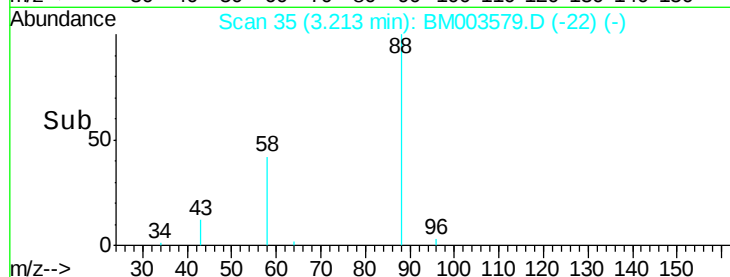
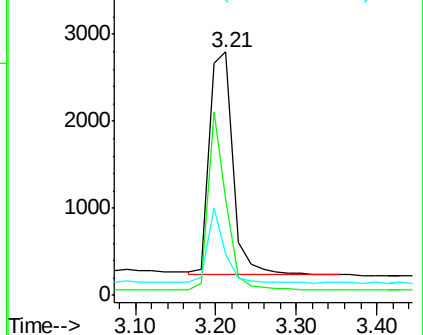
43 23.9 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM003579.D (-22) (-)

Ion 58.00 (57.70 to 58.70): BM003579.D (-22) (-)

Ion 43.00 (42.70 to 43.70): BM003579.D (-22) (-)



#5

Naphthalene

Concen: 0.41 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003579.D

Acq: 16 Dec 2015 16:06

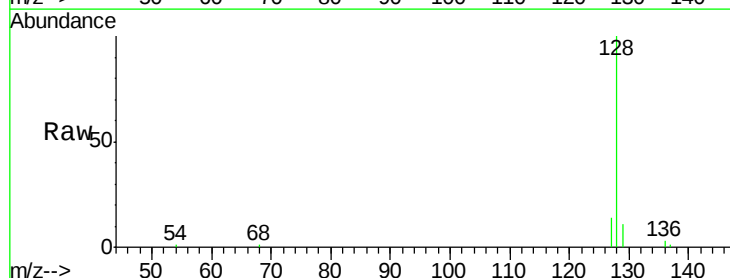
Tgt Ion: 128 Resp: 18269

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

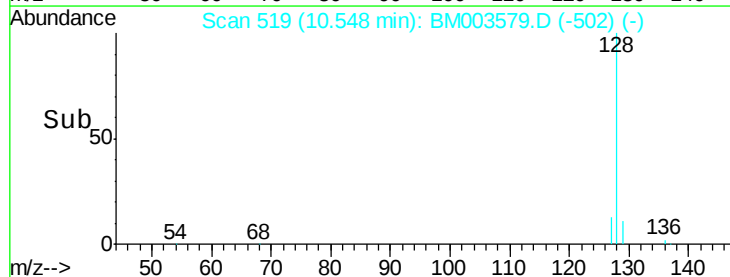
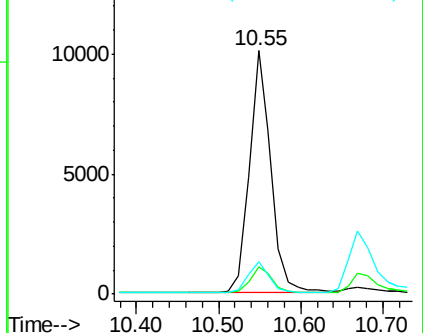
127 13.6 9.6 14.4

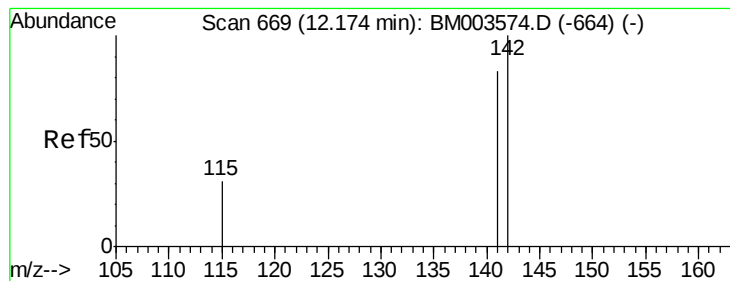


Abundance Ion 128.00 (127.70 to 128.70): BM003579.D (-502) (-)

Ion 129.00 (128.70 to 129.70): BM003579.D (-502) (-)

Ion 127.00 (126.70 to 127.70): BM003579.D (-502) (-)





#7

2-Methylnaphthalene

Concen: 0.42 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM003579.D

Acq: 16 Dec 2015 16:06

Instrument :

BNA_M

ClientSampleId :

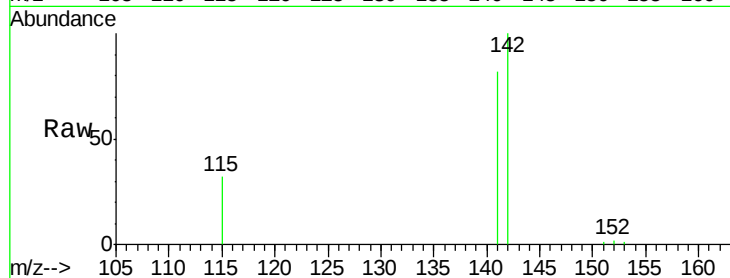
SSTD0.456

Tgt Ion:142 Resp: 12766

Ion Ratio Lower Upper

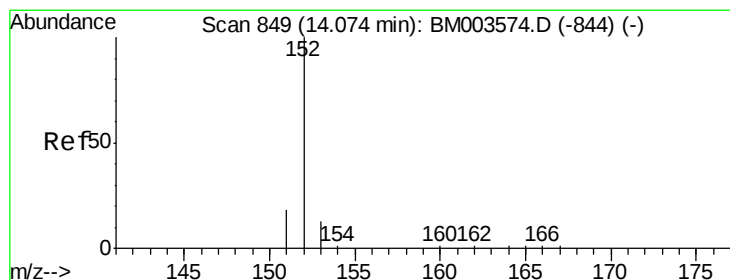
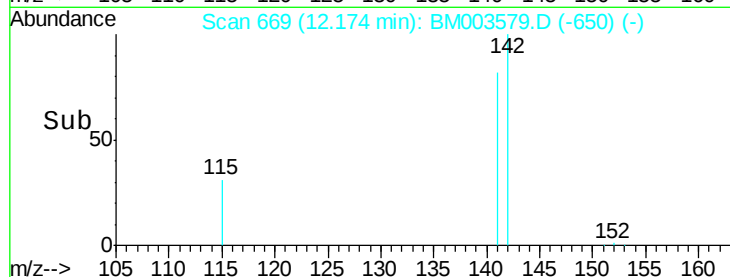
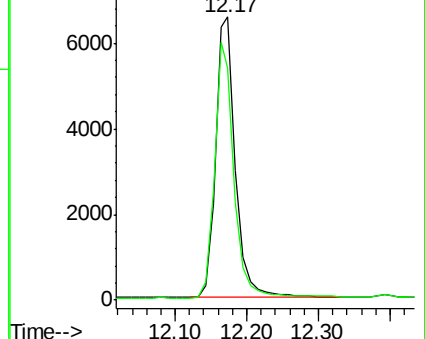
142 100

141 89.3 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: 0.41 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003579.D

Acq: 16 Dec 2015 16:06

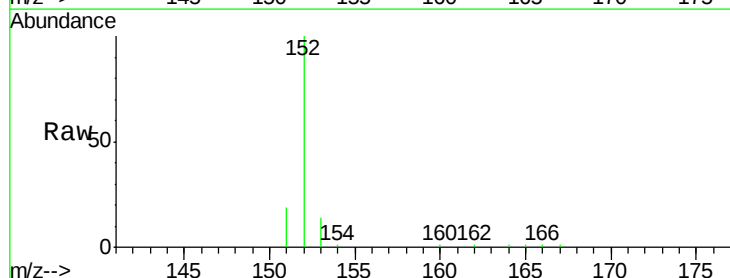
Tgt Ion:152 Resp: 16722

Ion Ratio Lower Upper

152 100

151 18.9 17.6 26.4

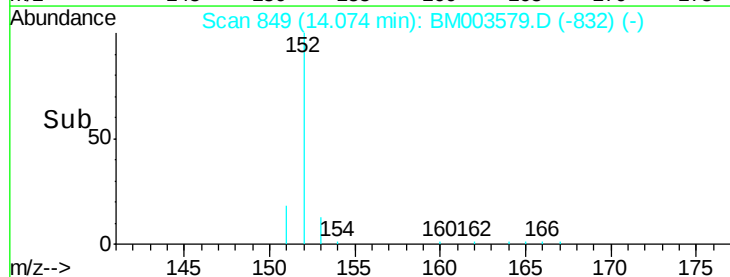
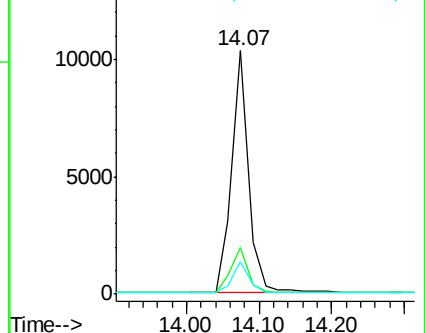
153 13.5 9.7 14.5

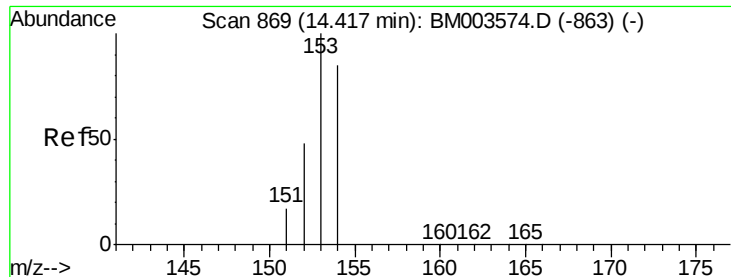


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.42 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003579.D

Acq: 16 Dec 2015 16:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

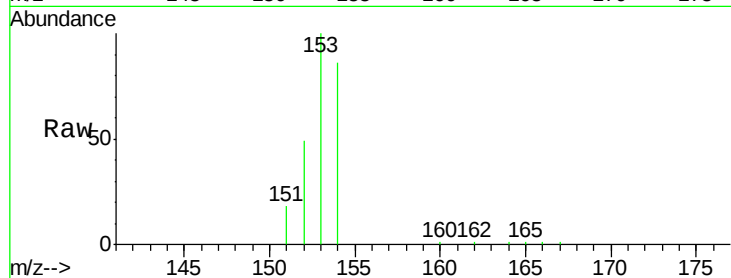
Tgt Ion:153 Resp: 13811

Ion Ratio Lower Upper

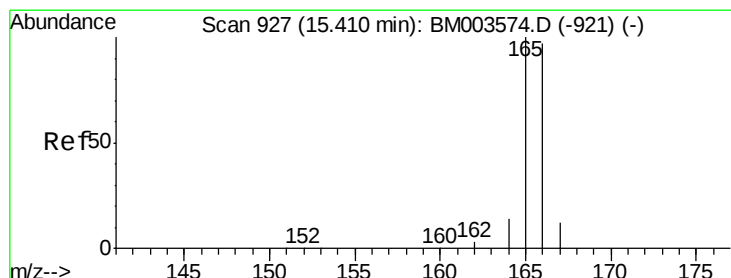
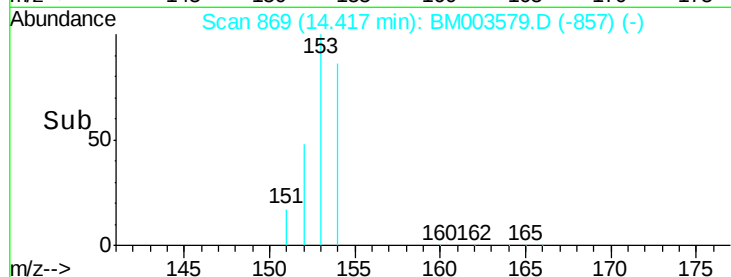
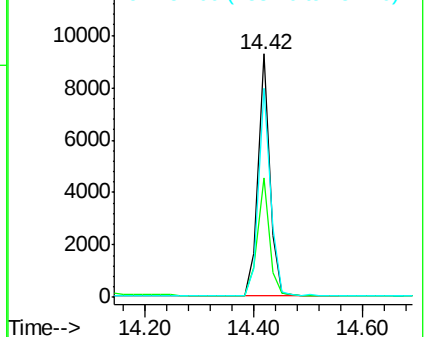
153 100

152 49.2 33.9 50.9

154 85.9 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: 0.42 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM003579.D

Acq: 16 Dec 2015 16:06

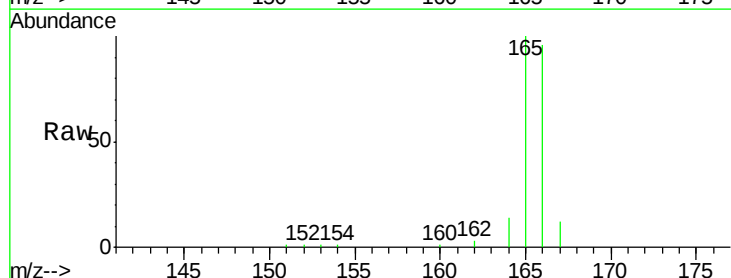
Tgt Ion:166 Resp: 15563

Ion Ratio Lower Upper

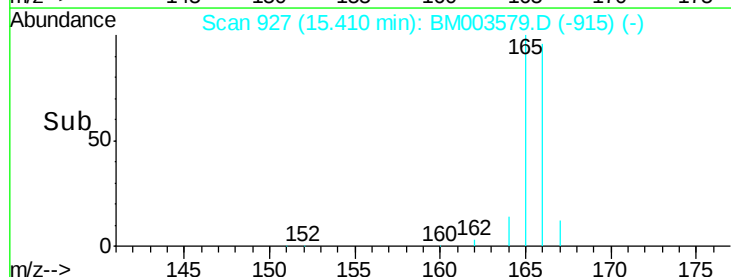
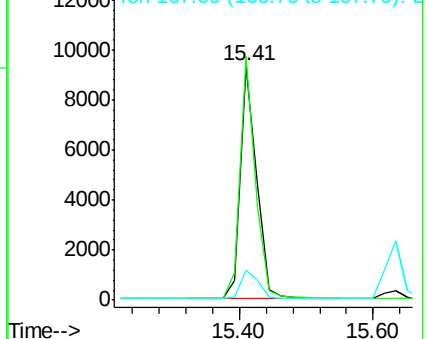
166 100

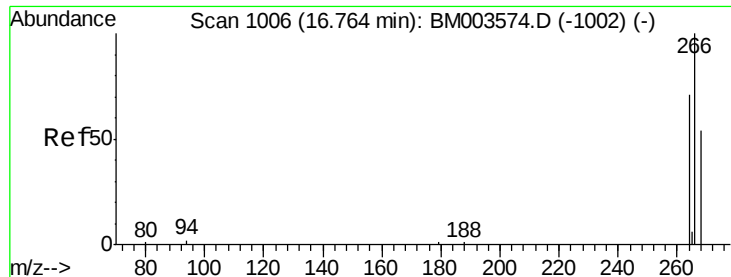
165 104.1 69.6 104.4

167 12.9 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

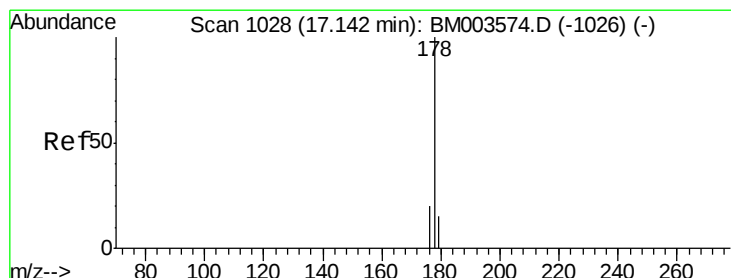
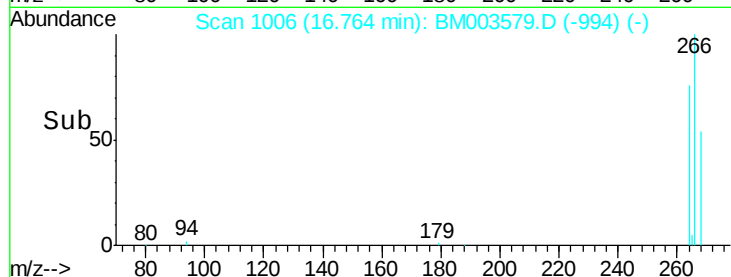
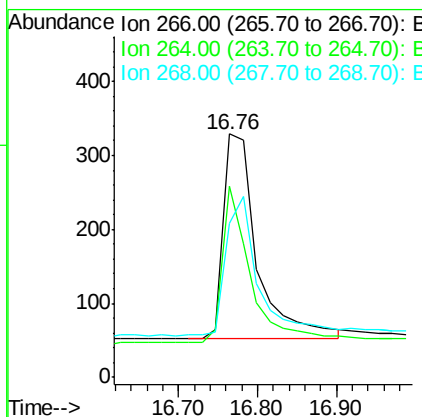
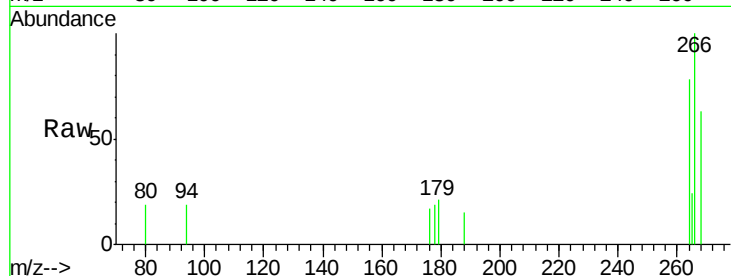




#13
 Pentachlorophenol
 Concen: 0.24 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BM003579.D
 Acq: 16 Dec 2015 16:06

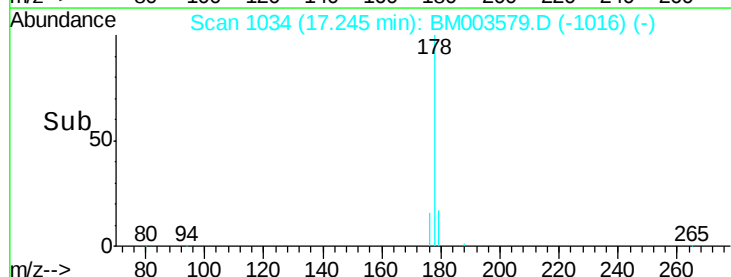
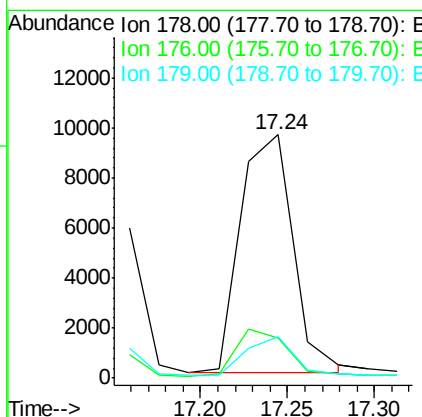
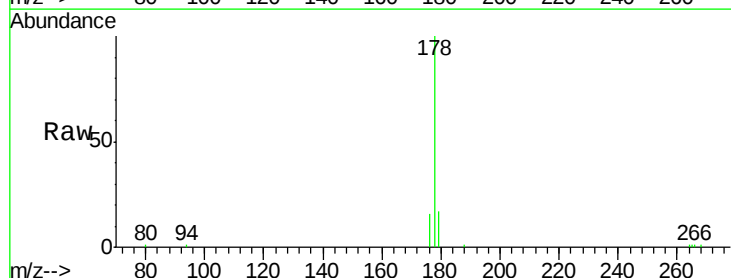
Instrument :
 BNA_M
 ClientSampleId :
 SST0.456

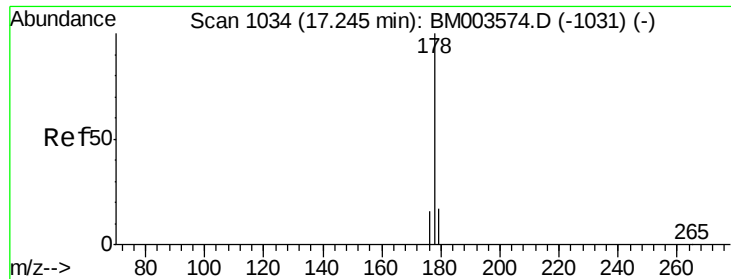
Tgt Ion: 266 Resp: 822
 Ion Ratio Lower Upper
 266 100
 264 62.7 51.8 77.8
 268 66.3 46.8 70.2



#14
 Phenanthrene
 Concen: 0.33 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. 0.10 min
 Lab File: BM003579.D
 Acq: 16 Dec 2015 16:06

Tgt Ion: 178 Resp: 20323
 Ion Ratio Lower Upper
 178 100
 176 16.5 13.0 19.4
 179 17.2 14.2 21.2





#15

Anthracene

Concen: 0.41 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM003579.D

Acq: 16 Dec 2015 16:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

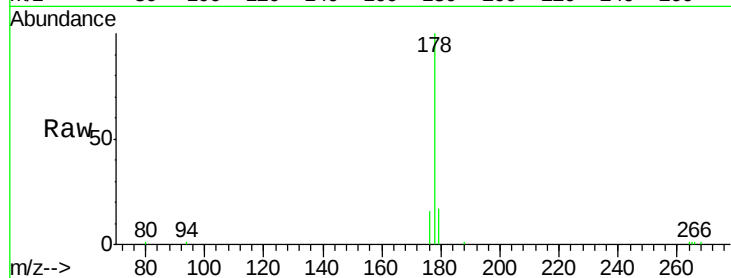
Tgt Ion:178 Resp: 21498

Ion Ratio Lower Upper

178 100

176 16.5 14.0 21.0

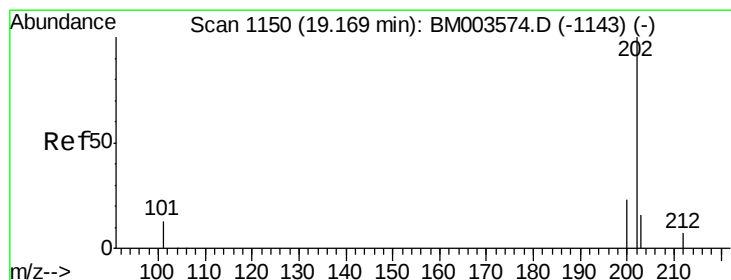
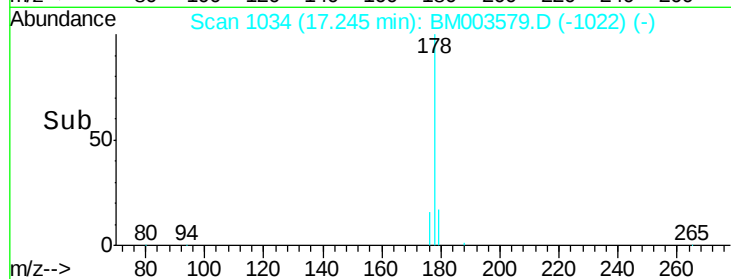
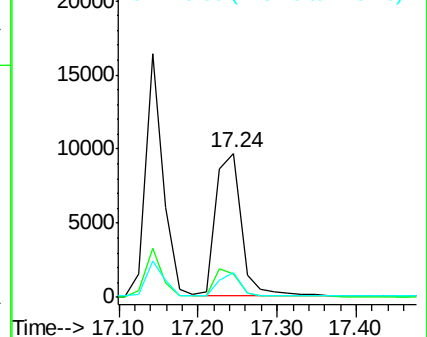
179 17.2 12.9 19.3



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: 0.40 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BM003579.D

Acq: 16 Dec 2015 16:06

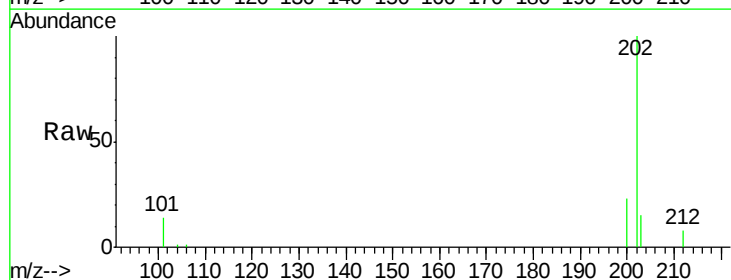
Tgt Ion:202 Resp: 26401

Ion Ratio Lower Upper

202 100

101 14.1 0.0 29.6

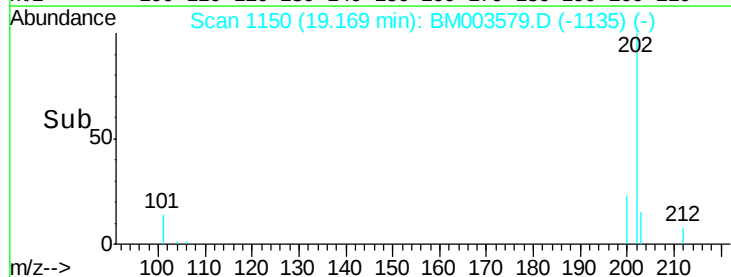
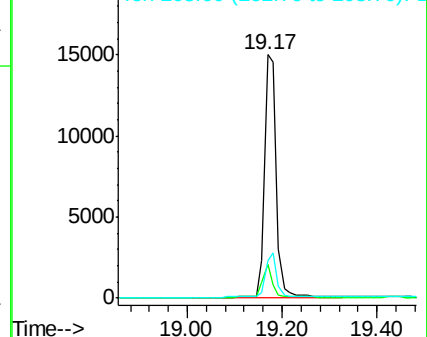
203 15.5 0.0 36.3

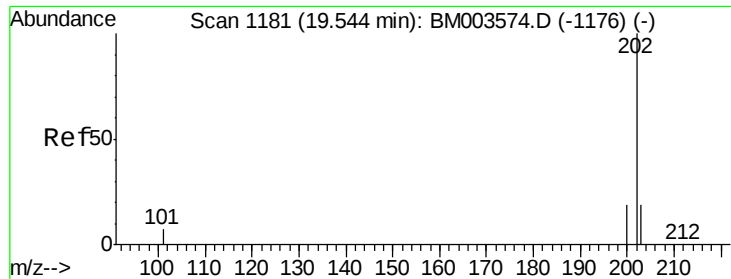


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

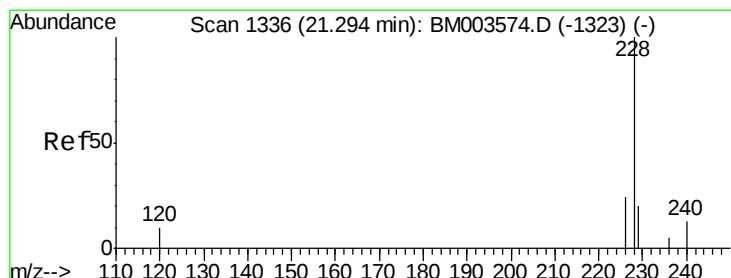
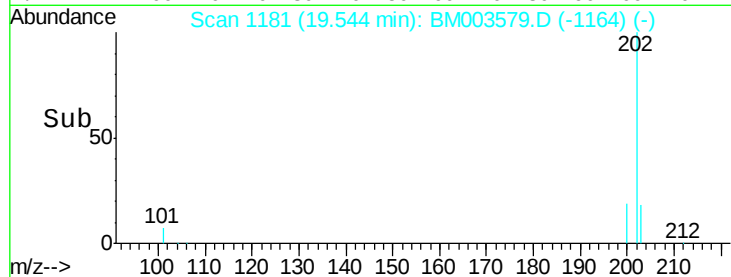
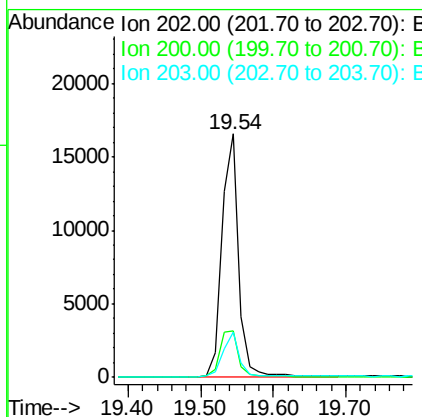
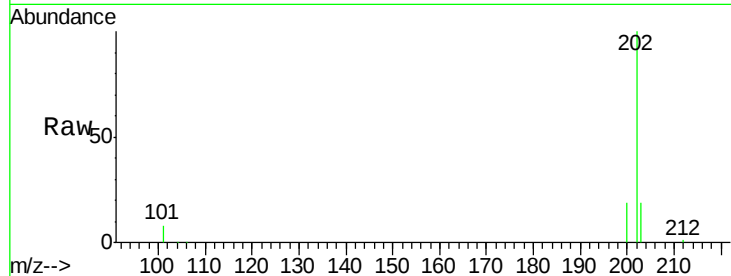




#19
Pyrene
Concen: 0.48 ng/ul
RT: 19.54 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BM003579.D
Acq: 16 Dec 2015 16:06

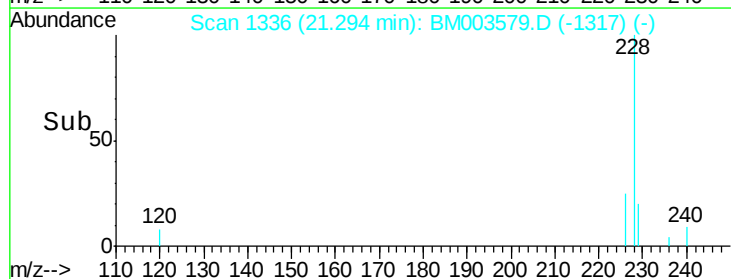
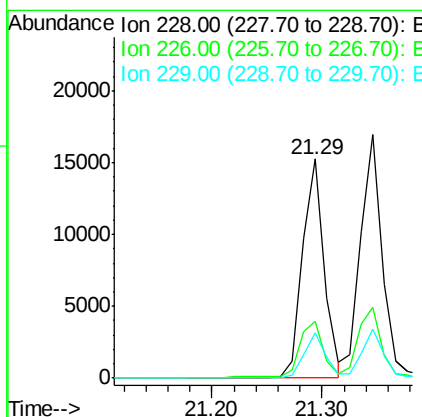
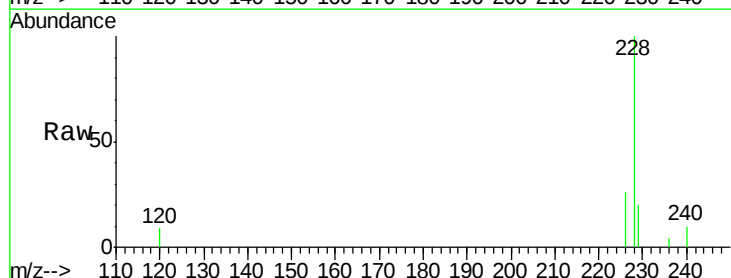
Instrument :
BNA_M
ClientSampleId :
SSTD0.456

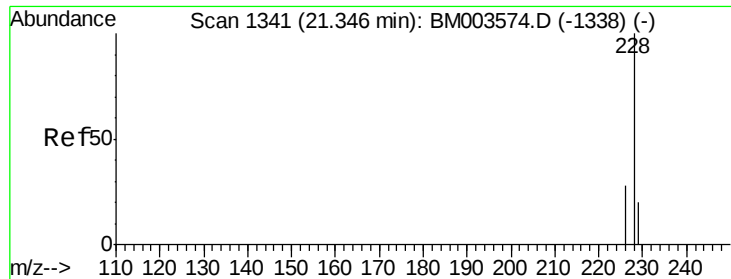
Tgt Ion: 202 Resp: 26354
Ion Ratio Lower Upper
202 100
200 19.2 17.8 26.8
203 18.6 12.8 19.2



#20
Benzo(a)anthracene
Concen: 0.41 ng/ul
RT: 21.29 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BM003579.D
Acq: 16 Dec 2015 16:06

Tgt Ion: 228 Resp: 20404
Ion Ratio Lower Upper
228 100
226 25.7 18.8 28.2
229 20.4 17.1 25.7





#21

Chrysene

Concen: 0.41 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BM003579.D

Acq: 16 Dec 2015 16:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

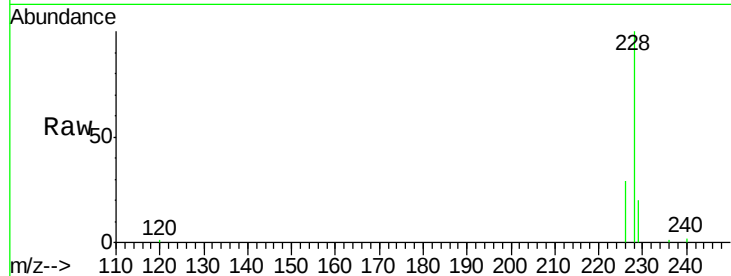
Tgt Ion:228 Resp: 23321

Ion Ratio Lower Upper

228 100

226 29.0 21.2 31.8

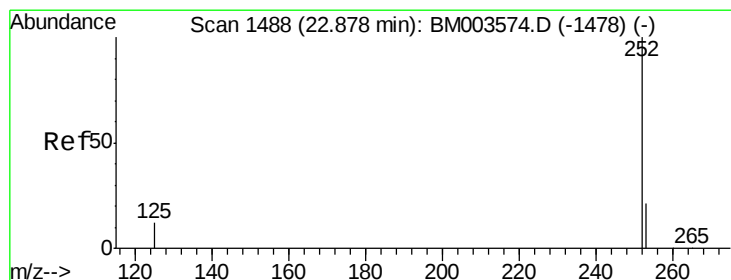
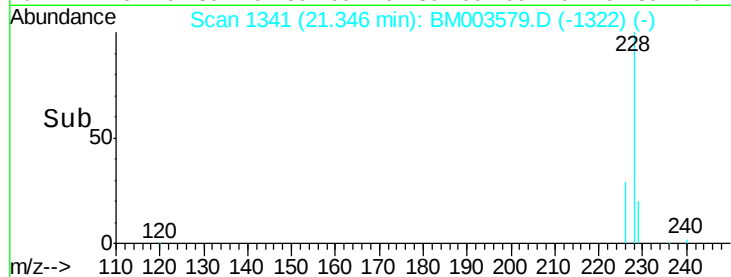
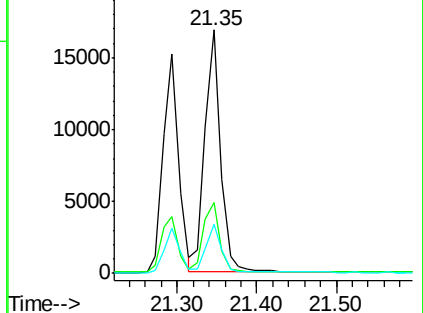
229 20.2 17.0 25.6



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: 0.38 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BM003579.D

Acq: 16 Dec 2015 16:06

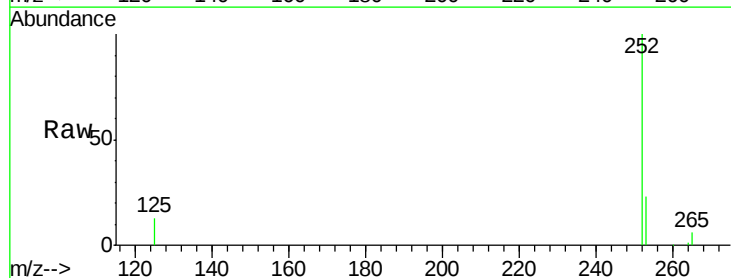
Tgt Ion:252 Resp: 19675

Ion Ratio Lower Upper

252 100

253 23.1 0.0 45.4

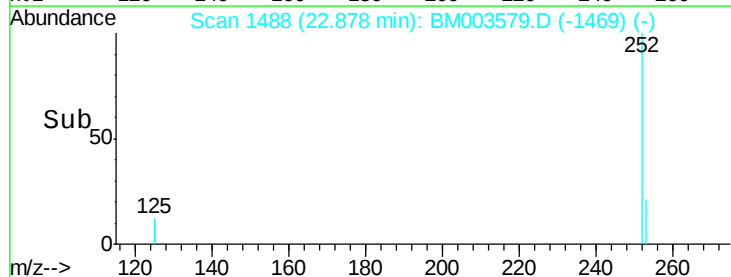
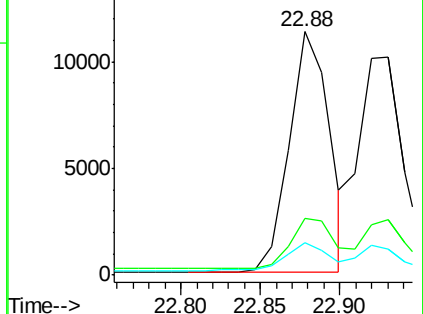
125 13.5 0.0 28.8

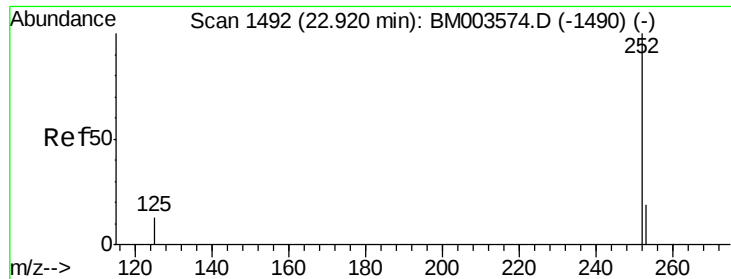


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.43 ng/ul

RT: 22.93 min Scan# 1493

Delta R.T. 0.01 min

Lab File: BM003579.D

Acq: 16 Dec 2015 16:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

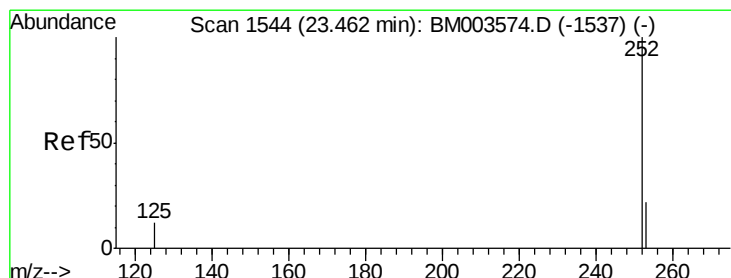
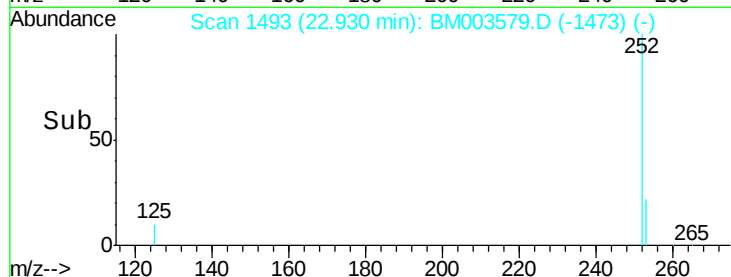
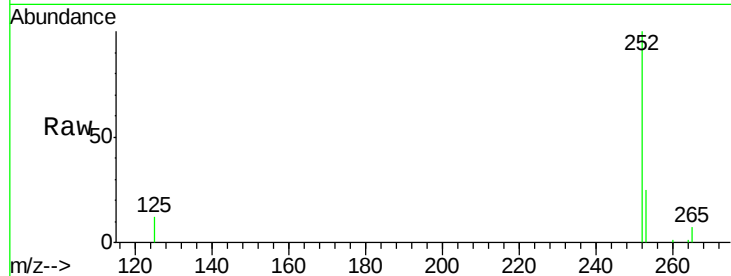
Tgt Ion:252 Resp: 20011

Ion Ratio Lower Upper

252 100

253 25.3 19.8 29.8

125 12.1 10.4 15.6



#25

Benzo(a)pyrene

Concen: 0.41 ng/ul

RT: 23.46 min Scan# 1544

Delta R.T. 0.00 min

Lab File: BM003579.D

Acq: 16 Dec 2015 16:06

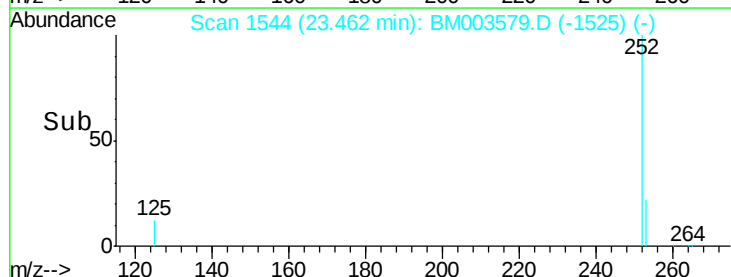
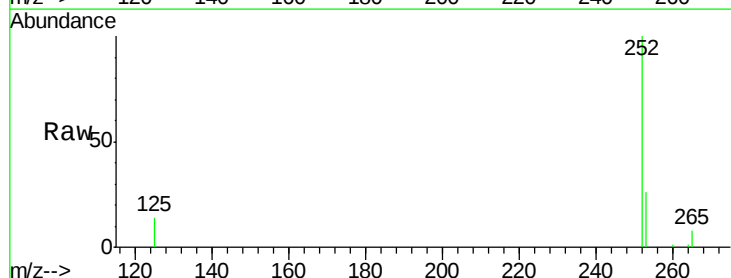
Tgt Ion:252 Resp: 17720

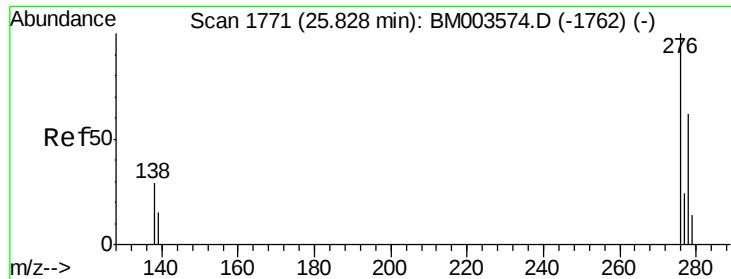
Ion Ratio Lower Upper

252 100

253 25.8 19.4 29.2

125 14.2 12.7 19.1

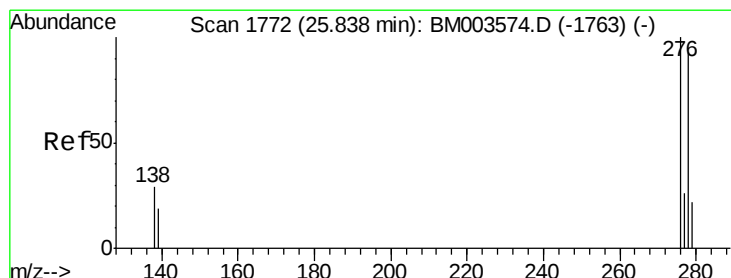
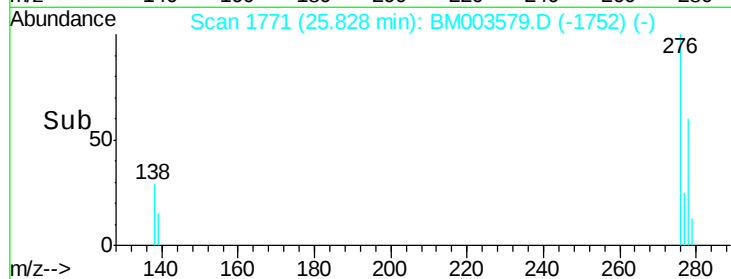
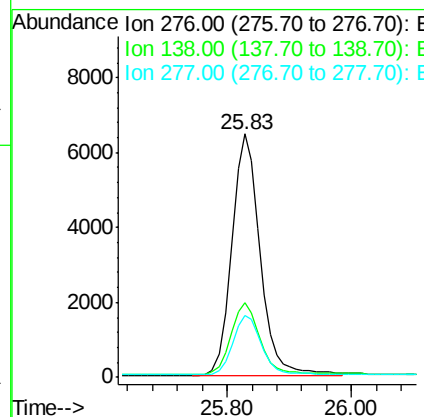
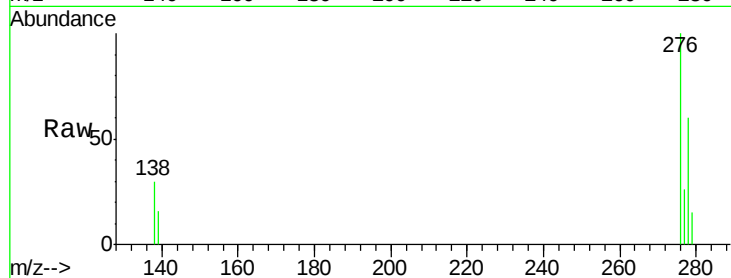




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.41 ng/ul
 RT: 25.83 min Scan# 1771
 Delta R.T. 0.00 min
 Lab File: BM003579.D
 Acq: 16 Dec 2015 16:06

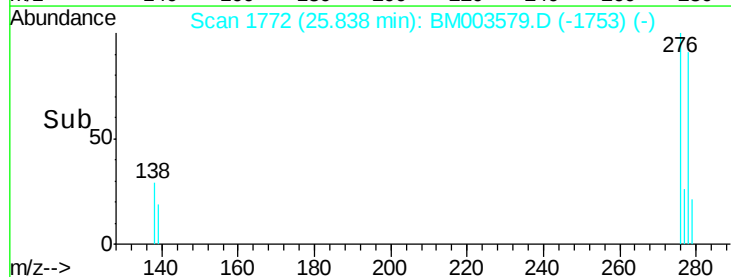
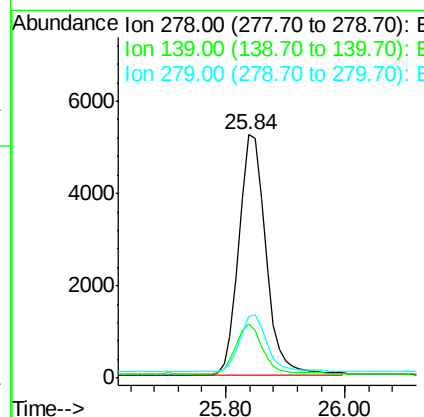
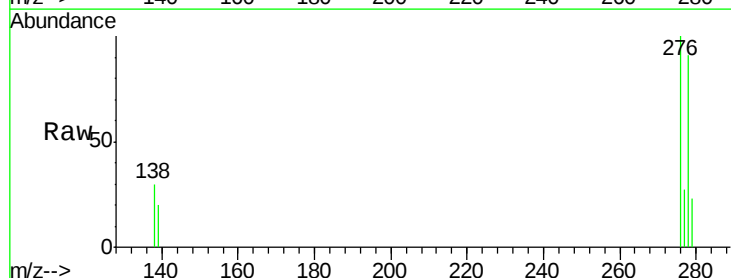
Instrument :
 BNA_M
 ClientSampleId :
 SST0.456

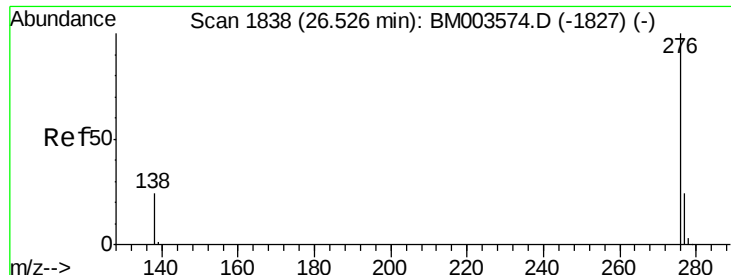
Tgt Ion: 276 Resp: 20462
 Ion Ratio Lower Upper
 276 100
 138 29.9 16.3 24.5#
 277 24.9 19.8 29.8



#27
 Dibenzo(a,h)anthracene
 Concen: 0.41 ng/ul
 RT: 25.84 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BM003579.D
 Acq: 16 Dec 2015 16:06

Tgt Ion: 278 Resp: 16502
 Ion Ratio Lower Upper
 278 100
 139 22.3 16.4 24.6
 279 25.3 20.2 30.2





#28

Benzo(g,h,i)perylene

Concen: 0.42 ng/ul

RT: 26.53 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BM003579.D

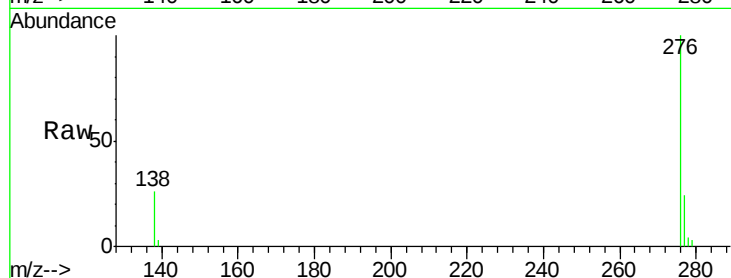
Acq: 16 Dec 2015 16:06

Instrument :

BNA_M

ClientSampleId :

SSTD0.456



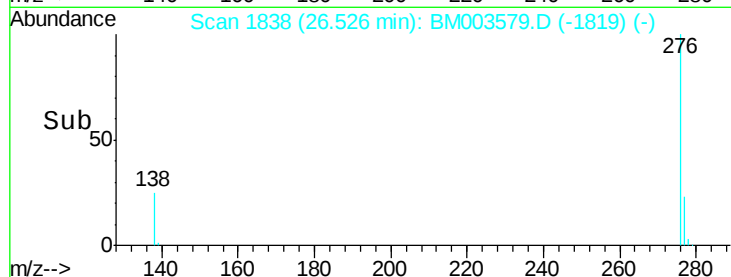
Tgt Ion: 276 Resp: 18066

Ion Ratio Lower Upper

276 100

277 24.4 18.9 28.3

138 26.4 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

