

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
 Data File : BM004778.D
 Acq On : 25 Mar 2016 15:26
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.442

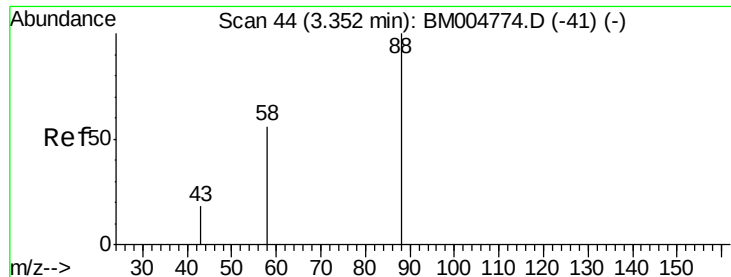
Quant Time: Mar 26 02:41:58 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 15:51:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1228	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5389	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	3277	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	7417	5.00	ng/ul	0.00
18) Chrysene-d12	21.39	240	7408	5.00	ng/ul	-0.02
22) Perylene-d12	23.68	264	6567	5.00	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	1136	2.05	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	3066	0.41	ng/ul	-0.01
16) Fluoranthene-d10	19.23	212	7104	0.41	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.35	88	1361	2.02	ng/ul#	22
5) Naphthalene	10.67	128	5249	0.40	ng/ul	95
7) 2-Methylnaphthalene	12.28	142	3823	0.41	ng/ul	100
9) Acenaphthylene	14.18	152	6132	0.41	ng/ul	95
10) Acenaphthene	14.52	153	4384	0.41	ng/ul	88
11) Fluorene	15.51	166	5159	0.41	ng/ul	90
13) Pentachlorophenol	16.85	266	781	0.42	ng/ul	95
14) Phenanthrene	17.24	178	8614	0.41	ng/ul	95
15) Anthracene	17.33	178	7941	0.40	ng/ul	95
17) Fluoranthene	19.27	202	9638	0.41	ng/ul	93
19) Pyrene	19.63	202	10046	0.40	ng/ul#	93
20) Benzo(a)anthracene	21.37	228	9176	0.40	ng/ul#	90
21) Chrysene	21.37	228	9176	0.42	ng/ul	93
23) Benzo(b)fluoranthene	22.99	252	9516	0.43	ng/ul	96
24) Benzo(k)fluoranthene	23.04	252	8103	0.40	ng/ul#	96
25) Benzo(a)pyrene	23.58	252	8301	0.41	ng/ul#	96
26) Indeno(1,2,3-cd)pyrene	26.01	276	7613	0.41	ng/ul#	84
27) Dibenzo(a,h)anthracene	26.03	278	5950	0.40	ng/ul#	92
28) Benzo(g,h,i)perylene	26.72	276	6377	0.41	ng/ul#	91

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



#3

1,4-Dioxane

Concen: 2.02 ng/ul

RT: 3.35 min Scan# 44

Delta R.T. -0.00 min

Lab File: BM004778.D

Acq: 25 Mar 2016 15:26

Instrument :

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ClientSampleId :

SSTD0.442

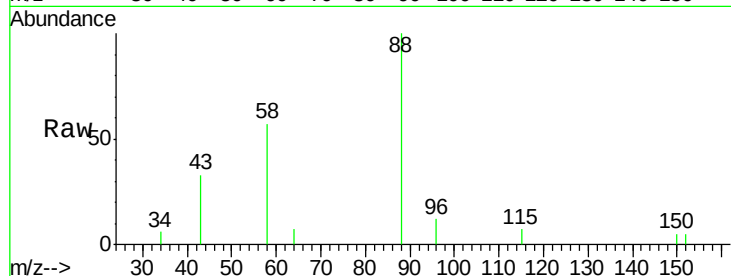
Tgt Ion: 88 Resp: 1361

Ion Ratio Lower Upper

88 100

58 56.3 8.0 12.0#

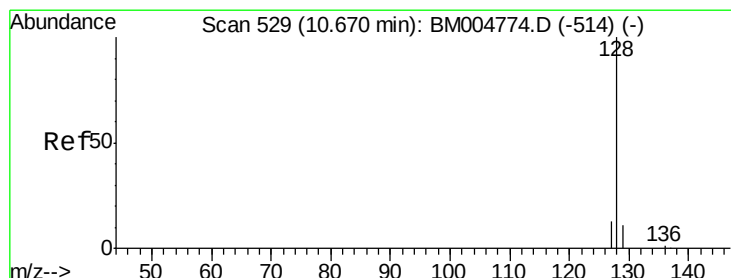
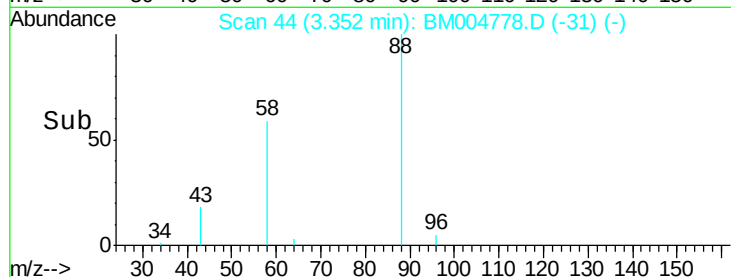
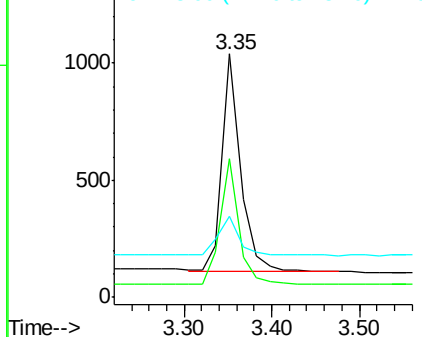
43 21.7 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM004778.D (-41) (-)

Ion 58.00 (57.70 to 58.70): BM004778.D (-41) (-)

Ion 43.00 (42.70 to 43.70): BM004778.D (-41) (-)



#5

Naphthalene

Concen: 0.40 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004778.D

Acq: 25 Mar 2016 15:26

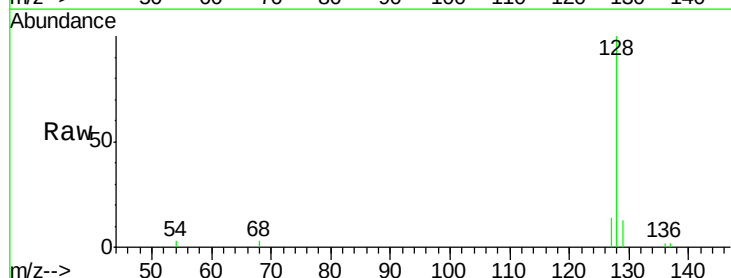
Tgt Ion: 128 Resp: 5249

Ion Ratio Lower Upper

128 100

129 12.6 9.0 13.6

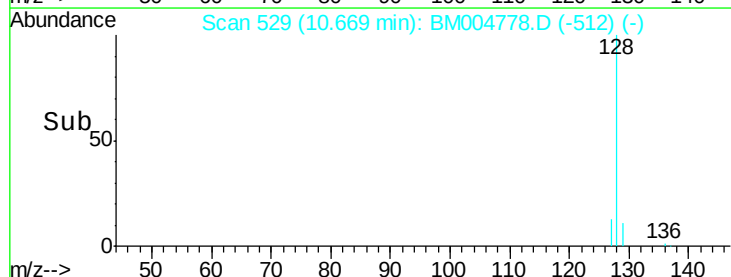
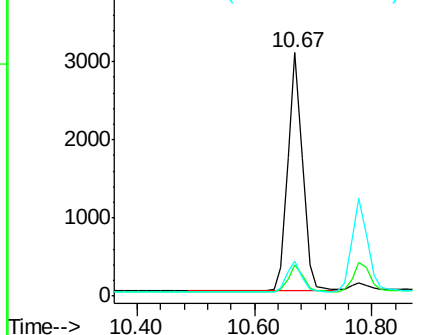
127 14.3 9.6 14.4

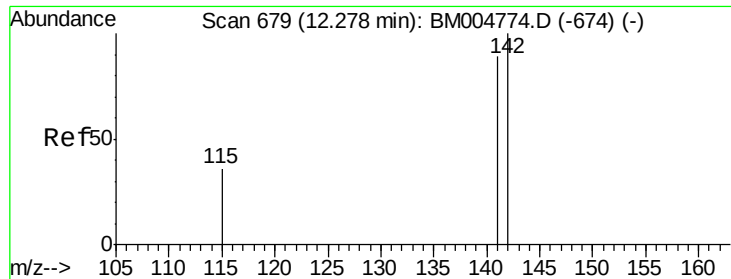


Abundance Ion 128.00 (127.70 to 128.70): BM004778.D (-514) (-)

Ion 129.00 (128.70 to 129.70): BM004778.D (-514) (-)

Ion 127.00 (126.70 to 127.70): BM004778.D (-514) (-)





#7

2-Methylnaphthalene

Concen: 0.41 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. -0.00 min

Lab File: BM004778.D

Acq: 25 Mar 2016 15:26

Instrument :

BNA_M

ClientSampleId :

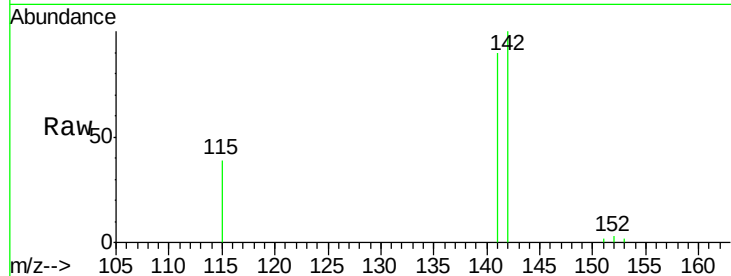
SSTD0.442

Tgt Ion:142 Resp: 3823

Ion Ratio Lower Upper

142 100

141 88.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

2500

2000

1500

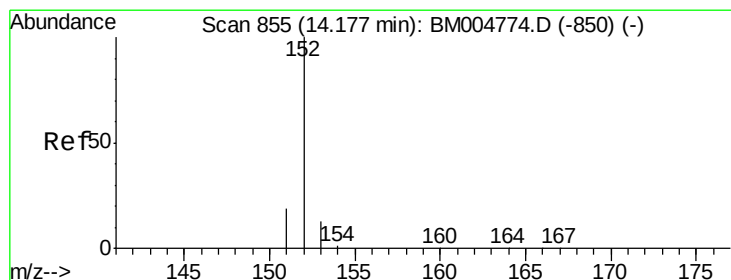
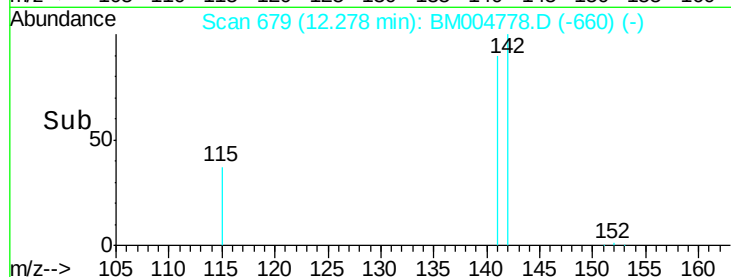
1000

500

0

12.20 12.30 12.40 12.50

Time-->



#9

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004778.D

Acq: 25 Mar 2016 15:26

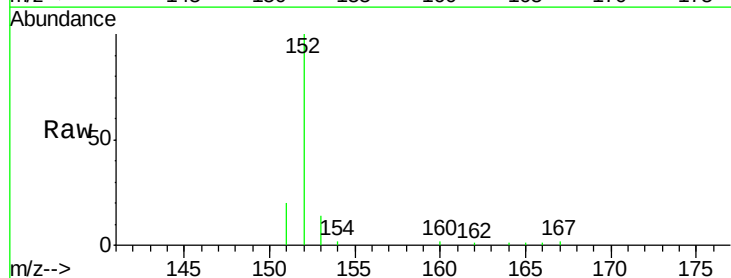
Tgt Ion:152 Resp: 6132

Ion Ratio Lower Upper

152 100

151 20.0 17.6 26.4

153 14.4 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

5000

4000

3000

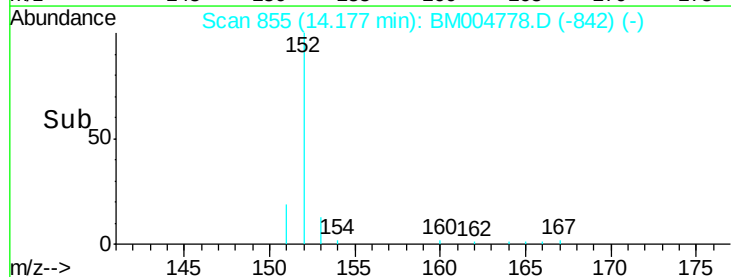
2000

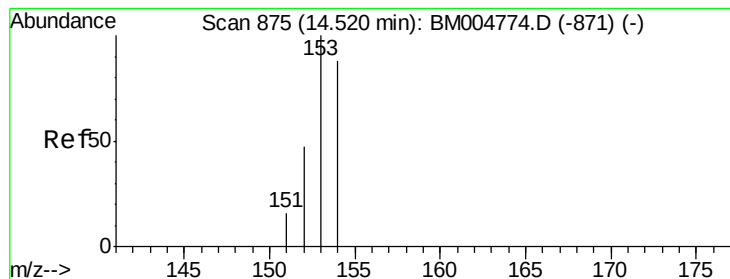
1000

0

14.00 14.20

Time-->





#10

Acenaphthene

Concen: 0.41 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004778.D

Acq: 25 Mar 2016 15:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

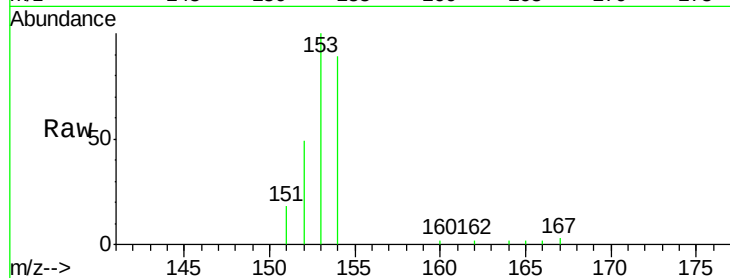
Tgt Ion:153 Resp: 4384

Ion Ratio Lower Upper

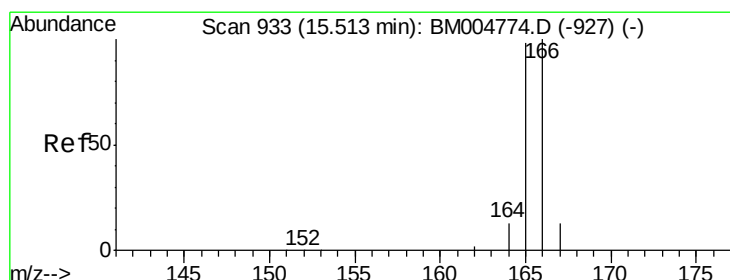
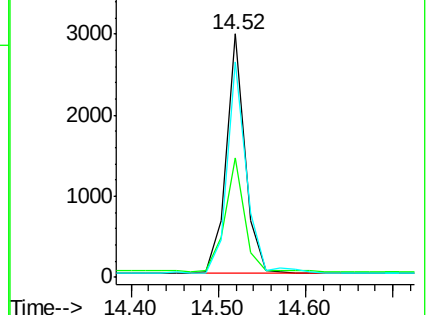
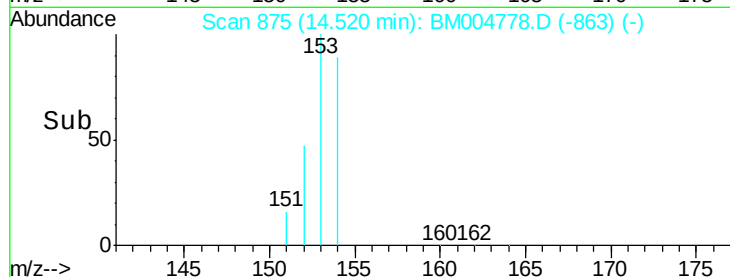
153 100

152 49.2 33.9 50.9

154 88.6 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: 0.41 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. -0.00 min

Lab File: BM004778.D

Acq: 25 Mar 2016 15:26

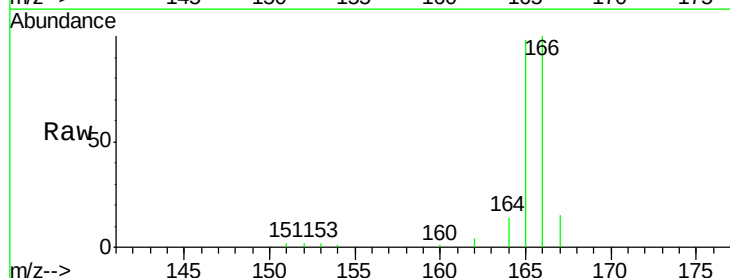
Tgt Ion:166 Resp: 5159

Ion Ratio Lower Upper

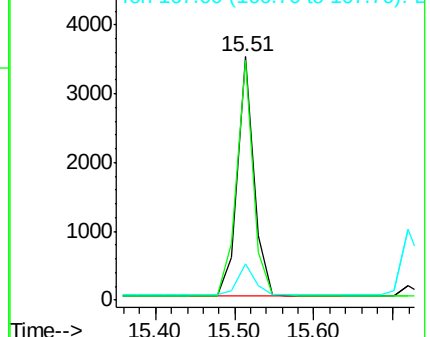
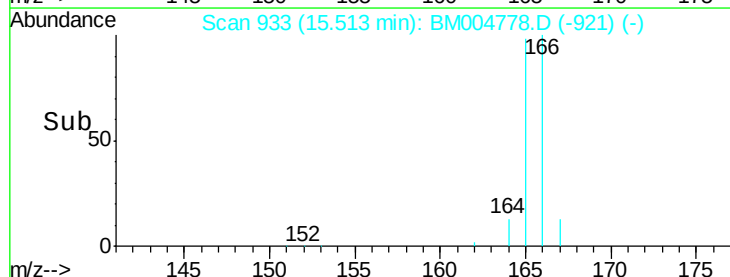
166 100

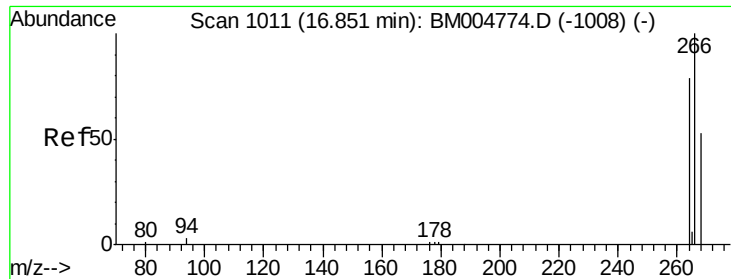
165 98.3 69.6 104.4

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

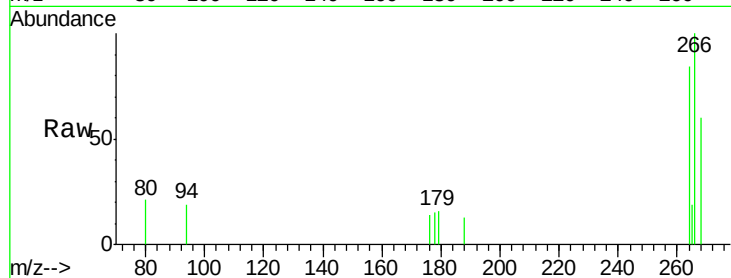




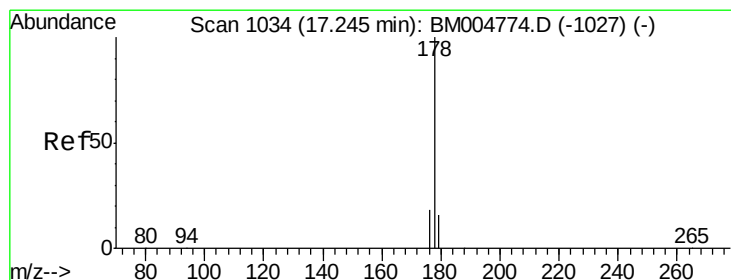
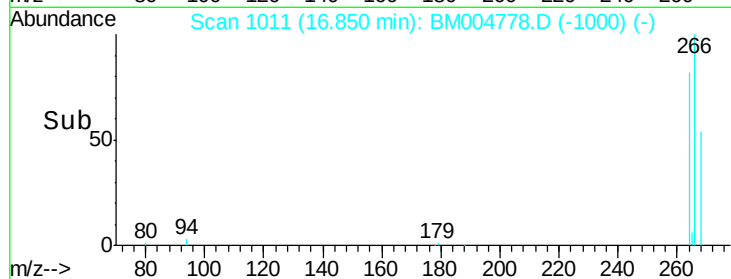
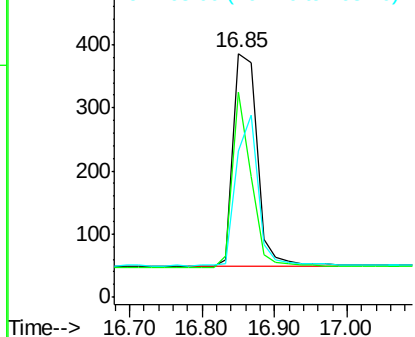
#13
 Pentachlorophenol
 Concen: 0.42 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. -0.02 min
 Lab File: BM004778.D
 Acq: 25 Mar 2016 15:26

Instrument :
 BNA_M
 ClientSampleId :
 SST0.442

Tgt Ion: 266 Resp: 781
 Ion Ratio Lower Upper
 266 100
 264 63.8 51.8 77.8
 268 65.4 46.8 70.2

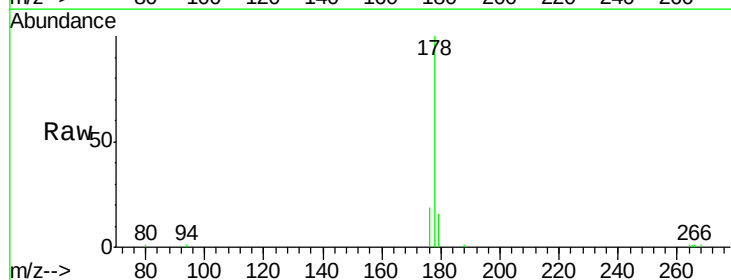


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

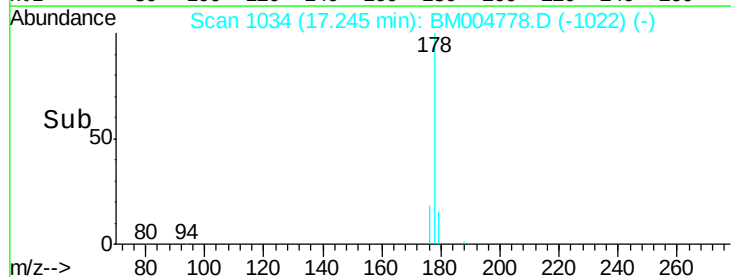
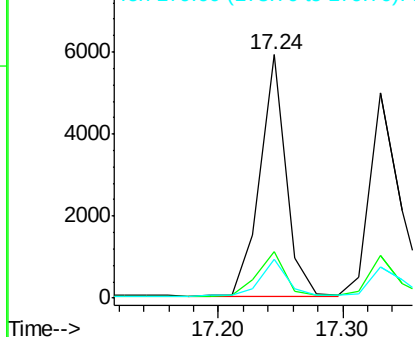


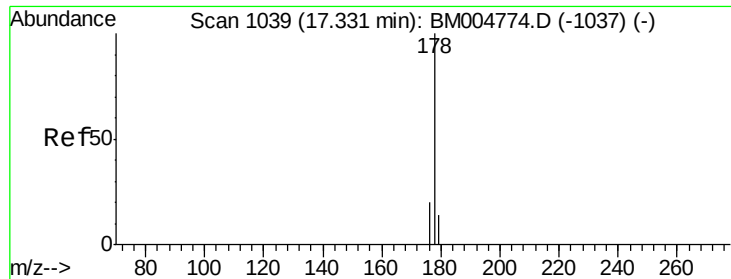
#14
 Phenanthrene
 Concen: 0.41 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BM004778.D
 Acq: 25 Mar 2016 15:26

Tgt Ion: 178 Resp: 8614
 Ion Ratio Lower Upper
 178 100
 176 19.1 13.0 19.4
 179 16.2 14.2 21.2



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





#15

Anthracene

Concen: 0.40 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM004778.D

Acq: 25 Mar 2016 15:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

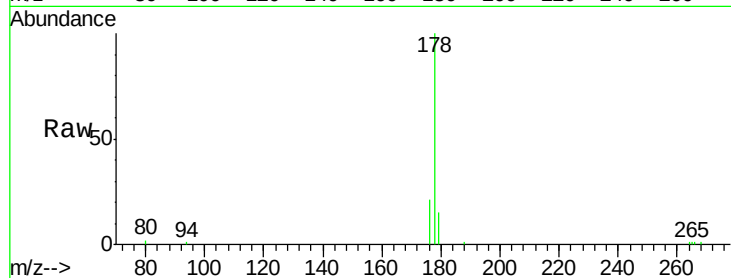
Tgt Ion:178 Resp: 7941

Ion Ratio Lower Upper

178 100

176 20.6 14.0 21.0

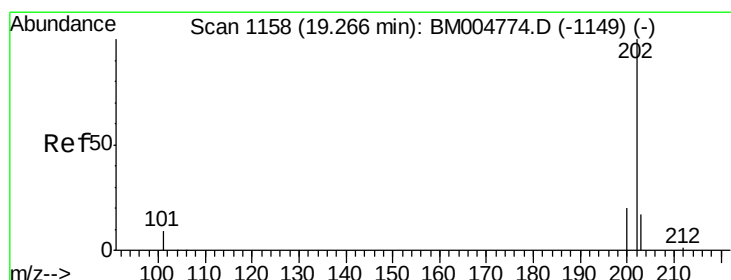
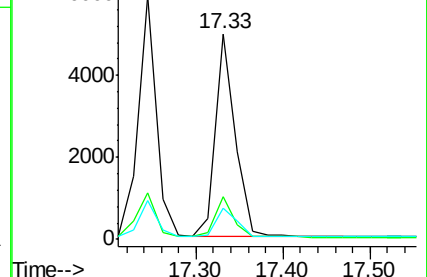
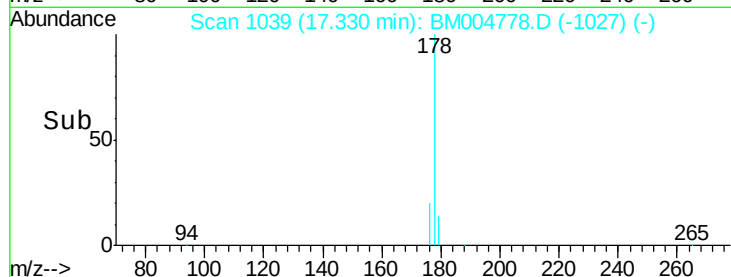
179 15.2 12.9 19.3



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: 0.41 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BM004778.D

Acq: 25 Mar 2016 15:26

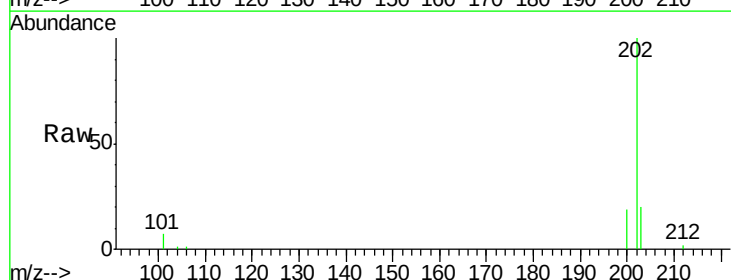
Tgt Ion:202 Resp: 9638

Ion Ratio Lower Upper

202 100

101 7.3 0.0 29.6

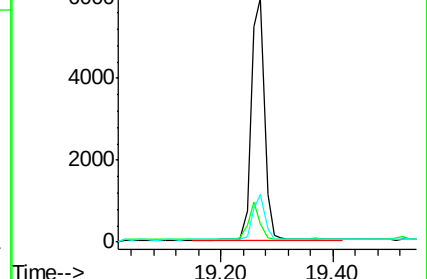
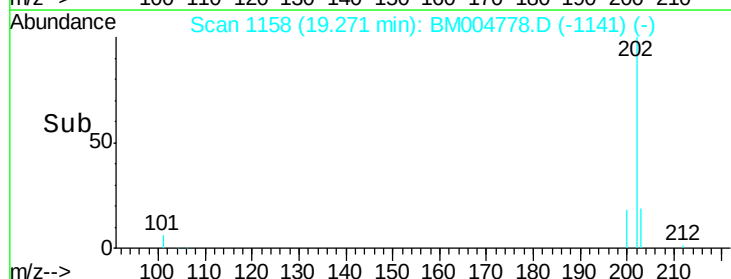
203 19.6 0.0 36.3

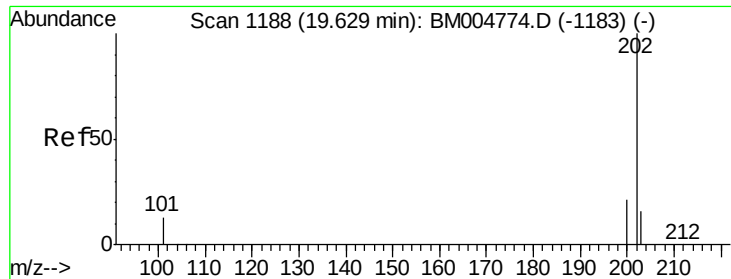


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.40 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BM004778.D

Acq: 25 Mar 2016 15:26

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BNA_M

ClientSampleId :

SSTD0.442

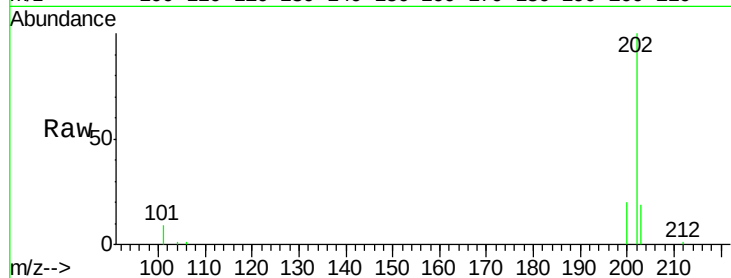
Tgt Ion:202 Resp: 10046

Ion Ratio Lower Upper

202 100

200 19.5 17.8 26.8

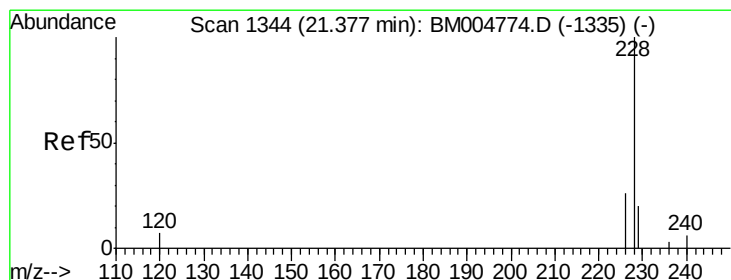
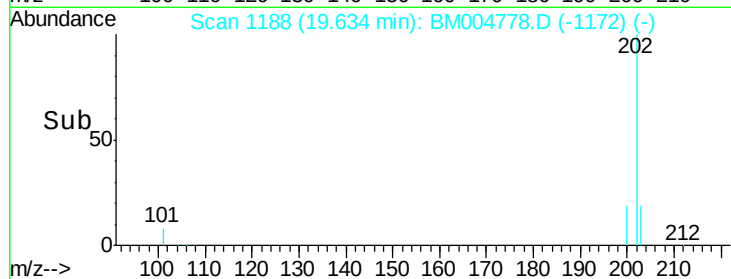
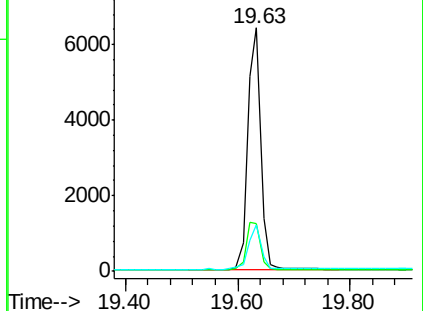
203 19.3 12.8 19.2#



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: 0.40 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. -0.02 min

Lab File: BM004778.D

Acq: 25 Mar 2016 15:26

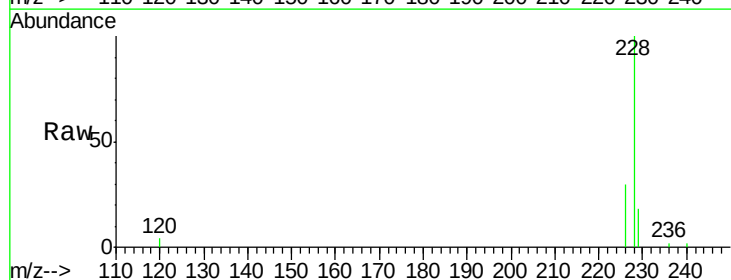
Tgt Ion:228 Resp: 9176

Ion Ratio Lower Upper

228 100

226 30.2 18.8 28.2#

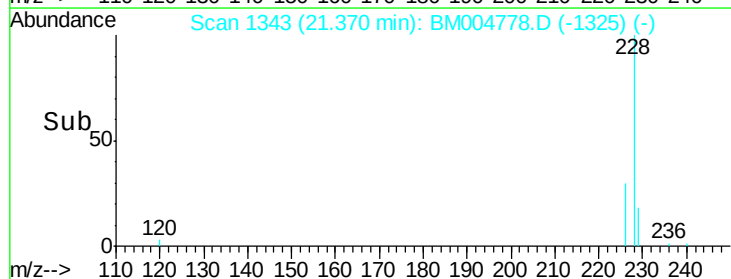
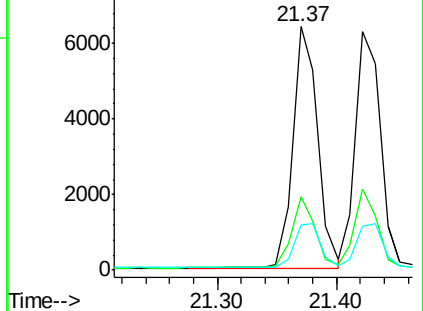
229 18.4 17.1 25.7

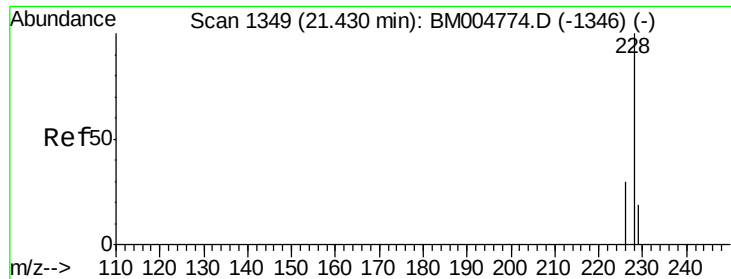


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.42 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. -0.07 min

Lab File: BM004778.D

Acq: 25 Mar 2016 15:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

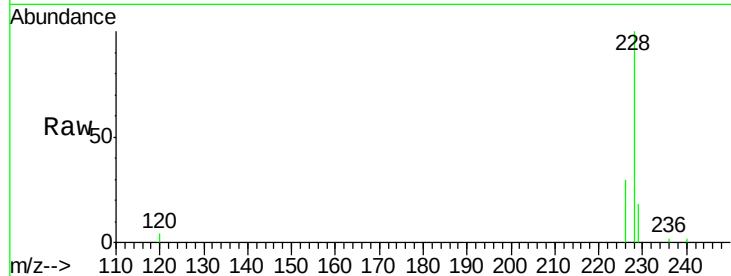
Tgt Ion:228 Resp: 9176

Ion Ratio Lower Upper

228 100

226 30.2 21.2 31.8

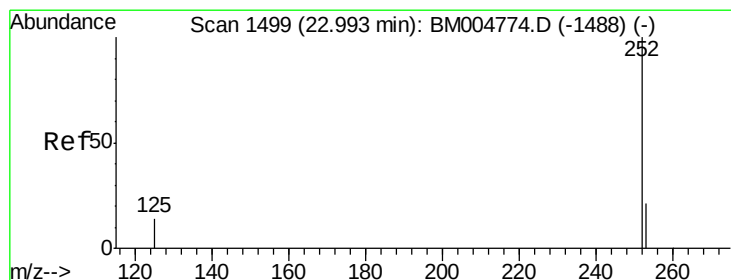
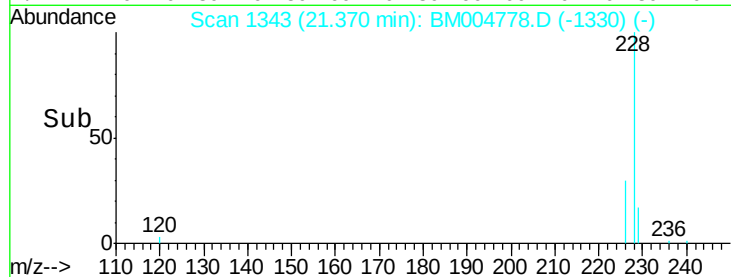
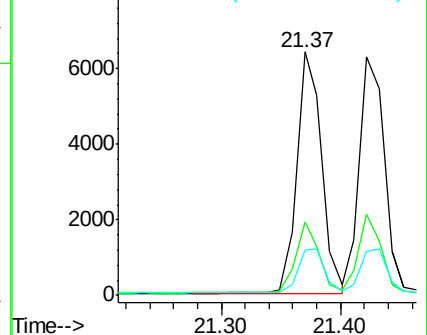
229 18.4 17.0 25.6



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: 0.43 ng/ul

RT: 22.99 min Scan# 1498

Delta R.T. -0.02 min

Lab File: BM004778.D

Acq: 25 Mar 2016 15:26

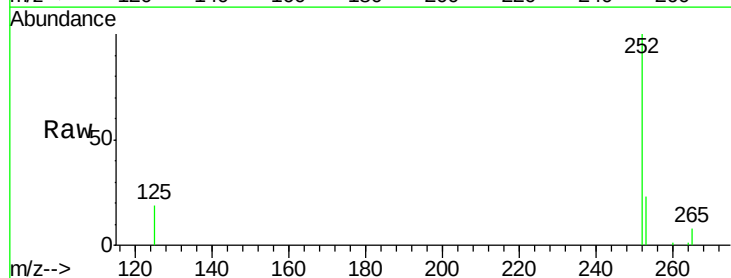
Tgt Ion:252 Resp: 9516

Ion Ratio Lower Upper

252 100

253 22.9 0.0 45.4

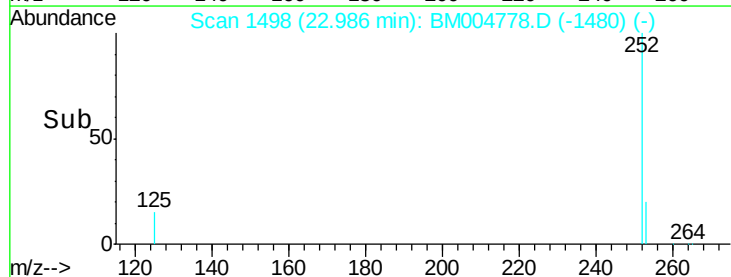
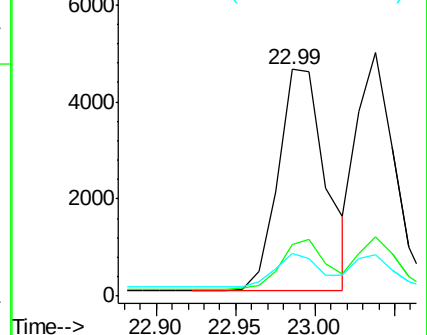
125 18.8 0.0 28.8

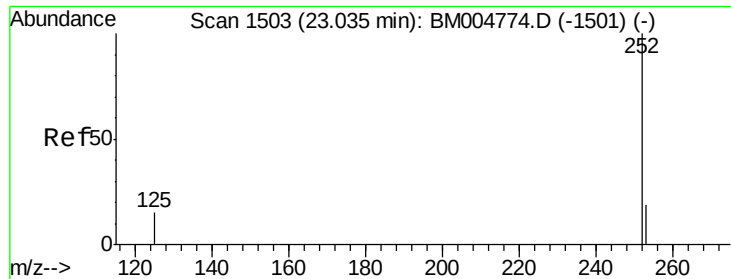


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.40 ng/ul

RT: 23.04 min Scan# 1503

Delta R.T. -0.01 min

Lab File: BM004778.D

Acq: 25 Mar 2016 15:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

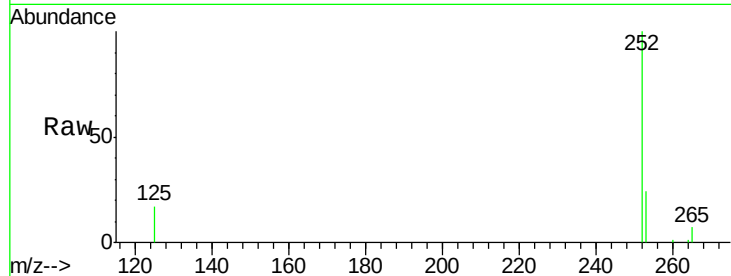
Tgt Ion:252 Resp: 8103

Ion Ratio Lower Upper

252 100

253 24.2 19.8 29.8

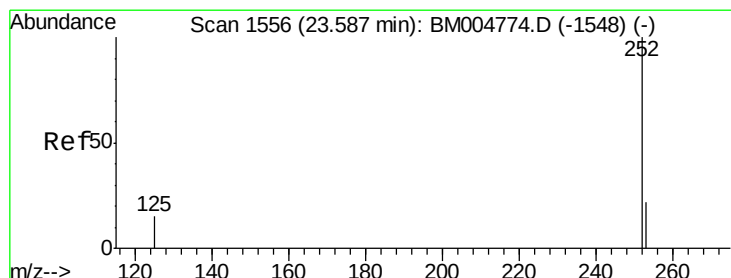
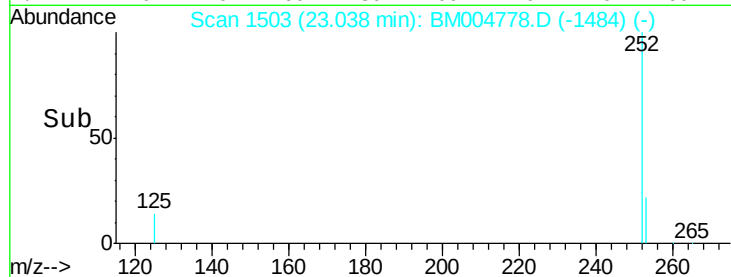
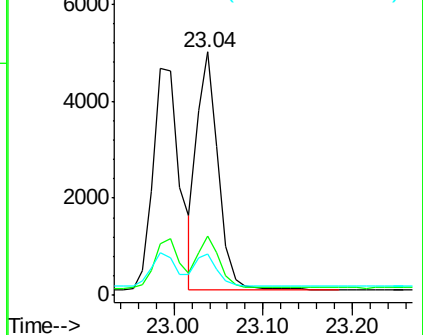
125 16.9 10.4 15.6#



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: 0.41 ng/ul

RT: 23.58 min Scan# 1555

Delta R.T. -0.02 min

Lab File: BM004778.D

Acq: 25 Mar 2016 15:26

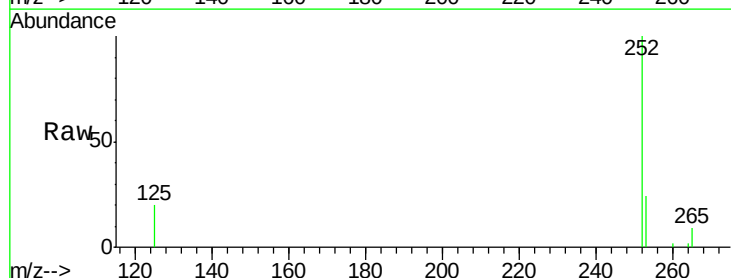
Tgt Ion:252 Resp: 8301

Ion Ratio Lower Upper

252 100

253 24.1 19.4 29.2

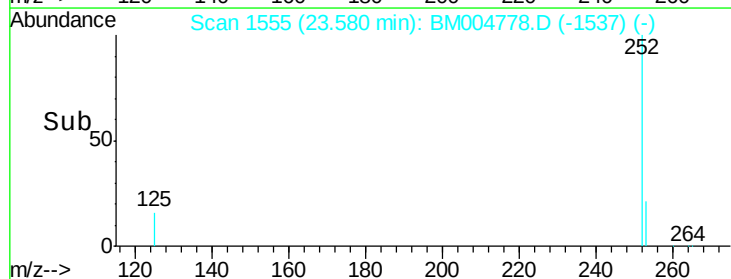
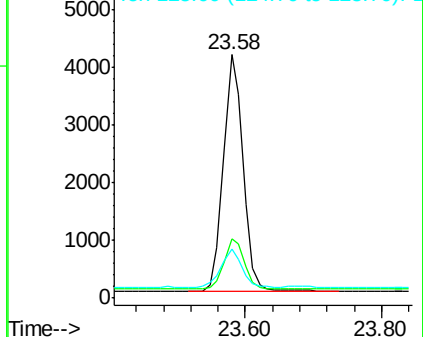
125 20.0 12.7 19.1#

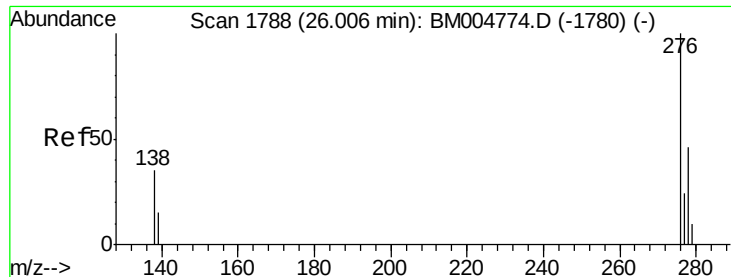


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.41 ng/ul

RT: 26.01 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BM004778.D

Acq: 25 Mar 2016 15:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

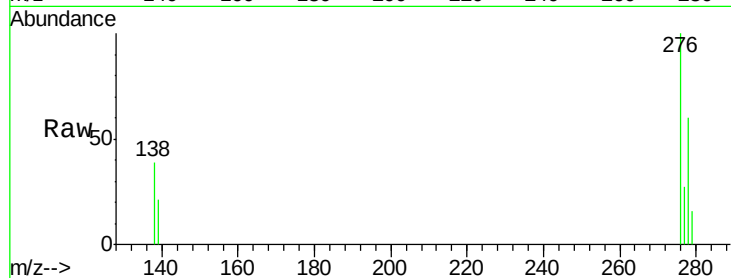
Tgt Ion:276 Resp: 7613

Ion Ratio Lower Upper

276 100

138 36.5 16.3 24.5#

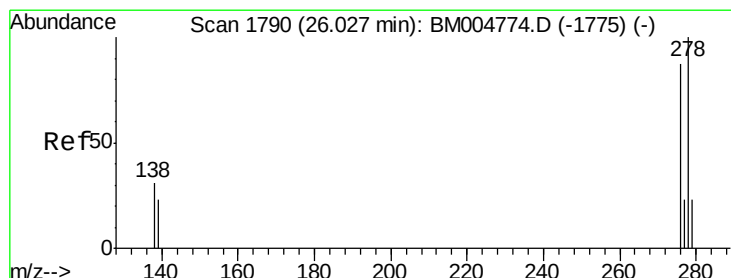
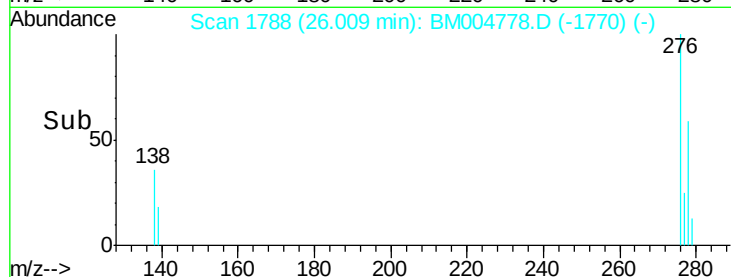
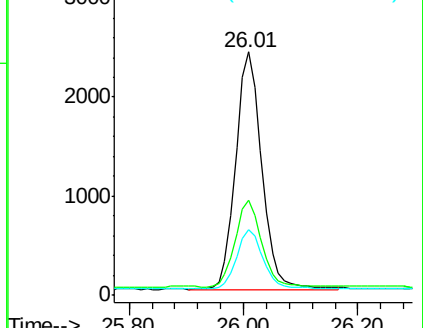
277 24.9 19.8 29.8



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: 0.40 ng/ul

RT: 26.03 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BM004778.D

Acq: 25 Mar 2016 15:26

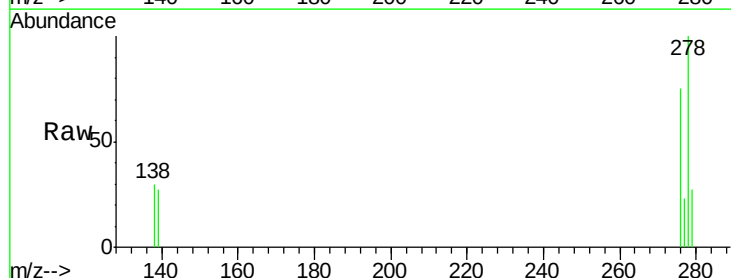
Tgt Ion:278 Resp: 5950

Ion Ratio Lower Upper

278 100

139 26.6 16.4 24.6#

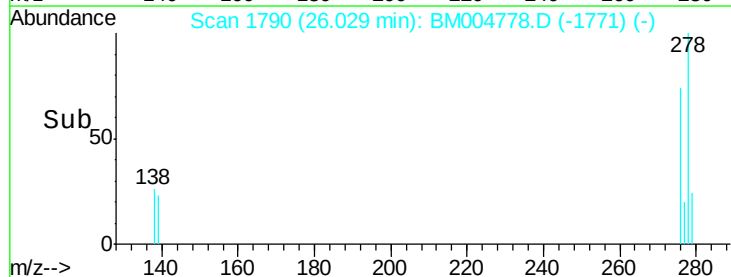
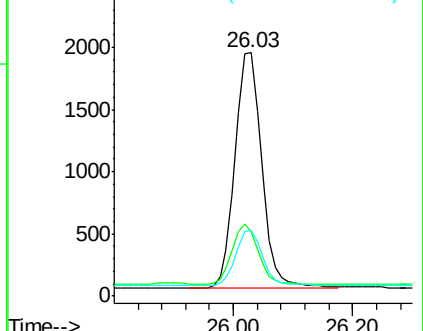
279 27.2 20.2 30.2

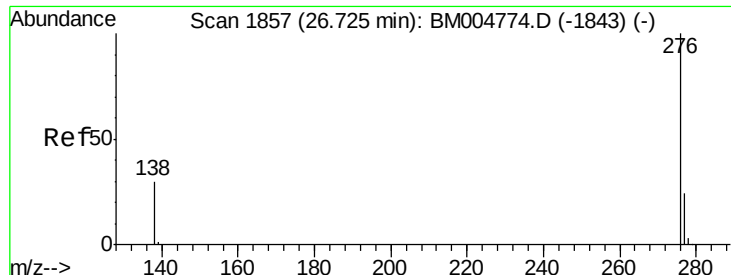


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.41 ng/ul

RT: 26.72 min Scan# 1856

Delta R.T. -0.02 min

Lab File: BM004778.D

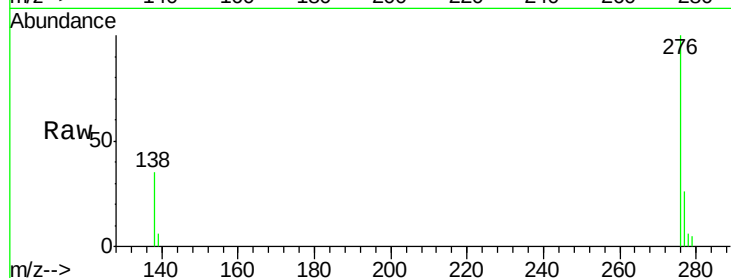
Acq: 25 Mar 2016 15:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.442



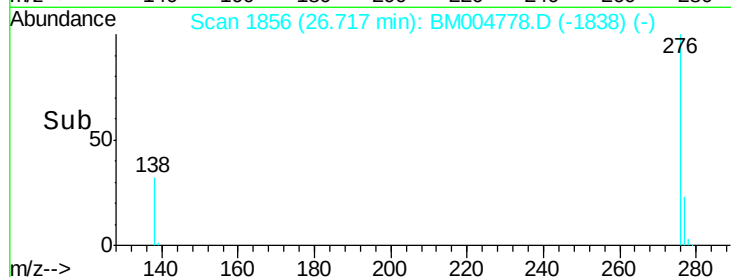
Tgt Ion: 276 Resp: 6377

Ion Ratio Lower Upper

276 100

277 25.8 18.9 28.3

138 35.3 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

