

Data Path : Z:\HPCHEM1\BNA_M\Data\BM040816\
 Data File : BM004924.D
 Acq On : 08 Apr 2016 10:46
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.437

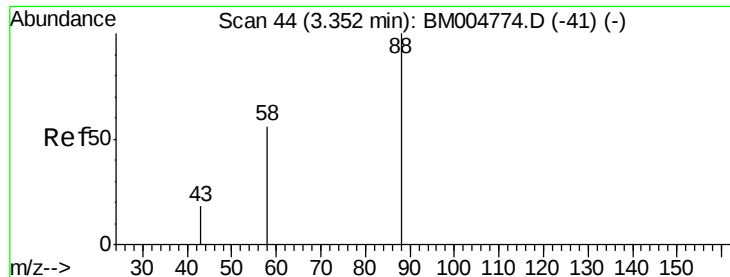
Quant Time: Apr 09 01:10:37 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 18:29:16 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1054	0.40	ng/ul	-0.02
4) Naphthalene-d8	10.61	136	4326	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.45	164	2635	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.19	188	6783	0.40	ng/ul	-0.02
18) Chrysene-d12	21.39	240	7775	0.40	ng/ul	-0.01
22) Perylene-d12	23.68	264	6511	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.31	96	922	1.94	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.20	152	2222	0.37	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	6826	0.43	ng/ul	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.35	88	1076	1.86	ng/ul#	21
5) Naphthalene	10.66	128	4161	0.40	ng/ul#	94
7) 2-Methylnaphthalene	12.28	142	2959	0.40	ng/ul	98
9) Acenaphthylene	14.16	152	4353	0.36	ng/ul	97
10) Acenaphthene	14.50	153	3593	0.42	ng/ul#	76
11) Fluorene	15.51	166	4249	0.42	ng/ul	98
13) Pentachlorophenol	16.85	266	410	0.24	ng/ul	94
14) Phenanthrene	17.33	178	6441	0.34	ng/ul	96
15) Anthracene	17.33	178	6779	0.38	ng/ul	98
17) Fluoranthene	19.25	202	9627	0.44	ng/ul	93
19) Pyrene	19.63	202	10050	0.38	ng/ul#	93
20) Benzo(a)anthracene	21.37	228	8977	0.38	ng/ul#	90
21) Chrysene	21.37	228	8977	0.39	ng/ul	94
23) Benzo(b)fluoranthene	22.98	252	8781	0.40	ng/ul	96
24) Benzo(k)fluoranthene	23.03	252	8959	0.44	ng/ul#	96
25) Benzo(a)pyrene	23.58	252	8181	0.41	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	26.01	276	7895	0.43	ng/ul#	83
27) Dibenzo(a,h)anthracene	26.02	278	6302	0.43	ng/ul#	91
28) Benzo(g,h,i)perylene	26.71	276	6711	0.44	ng/ul#	92

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



#3

1,4-Dioxane

Concen: 1.86 ng/ul

RT: 3.35 min Scan# 44

Delta R.T. -0.00 min

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ClientSampleId :

SSTD0.437

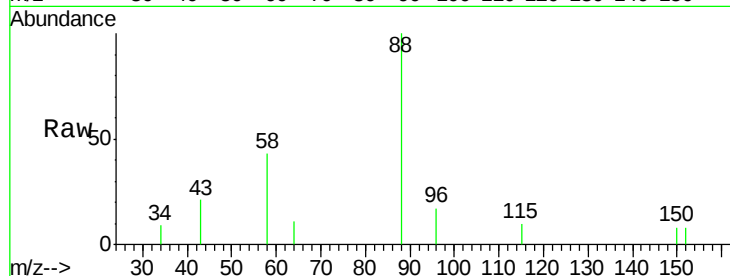
Tgt Ion: 88 Resp: 1076

Ion Ratio Lower Upper

88 100

58 57.1 8.0 12.0#

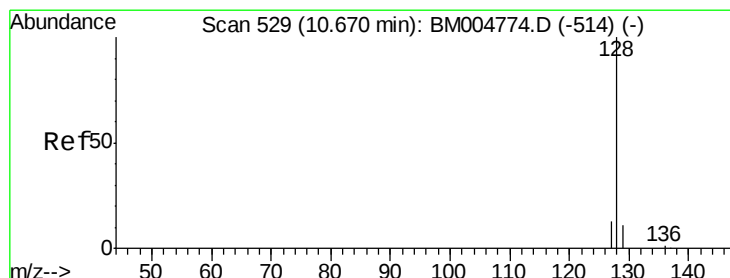
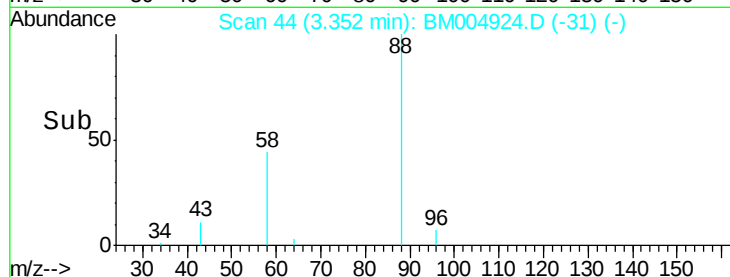
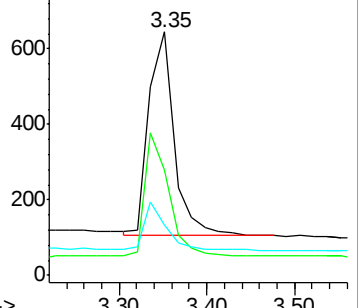
43 21.6 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM004774.D (-41) (-)

Ion 58.00 (57.70 to 58.70): BM004774.D (-41) (-)

Ion 43.00 (42.70 to 43.70): BM004774.D (-41) (-)



#5

Naphthalene

Concen: 0.40 ng/ul

RT: 10.66 min Scan# 528

Delta R.T. -0.01 min

Lab File: BM004924.D

Acq: 08 Apr 2016 10:46

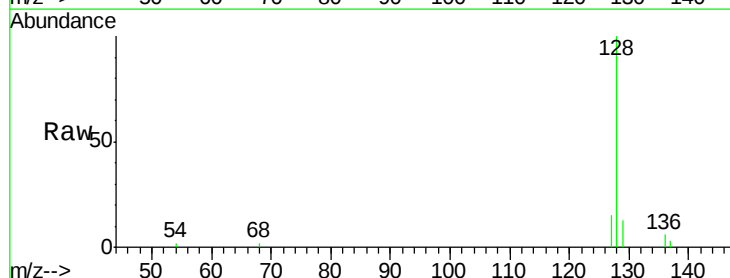
Tgt Ion: 128 Resp: 4161

Ion Ratio Lower Upper

128 100

129 12.5 9.0 13.6

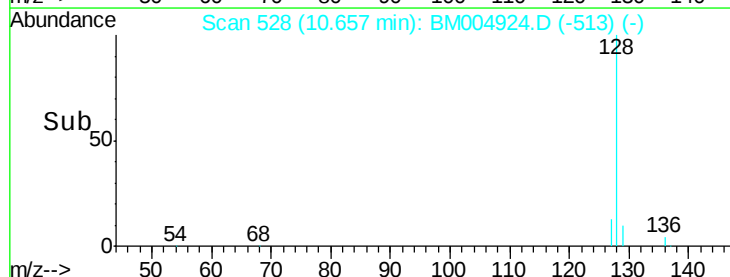
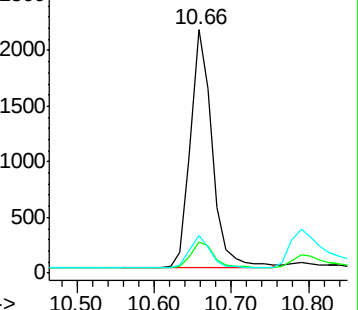
127 15.2 9.6 14.4#

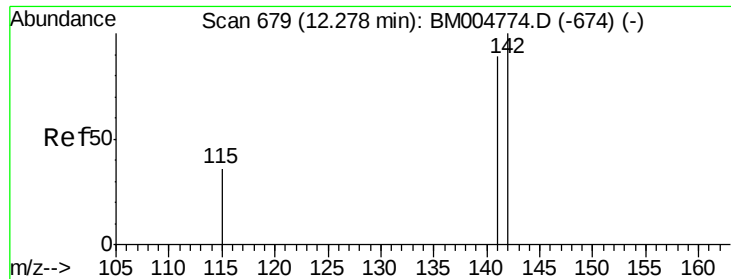


Abundance Ion 128.00 (127.70 to 128.70): BM004774.D (-514) (-)

Ion 129.00 (128.70 to 129.70): BM004774.D (-514) (-)

Ion 127.00 (126.70 to 127.70): BM004774.D (-514) (-)





#7

2-Methylnaphthalene

Concen: 0.40 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. -0.00 min

Lab File: BM004924.D

Acq: 08 Apr 2016 10:46

Instrument :

BNA_M

ClientSampleId :

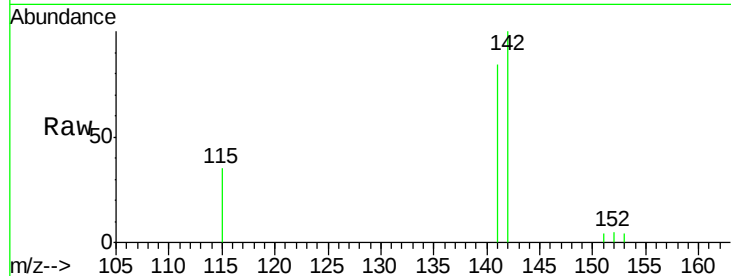
SSTD0.437

Tgt Ion:142 Resp: 2959

Ion Ratio Lower Upper

142 100

141 89.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

1500

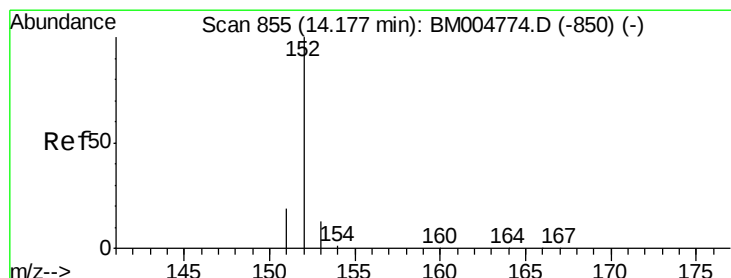
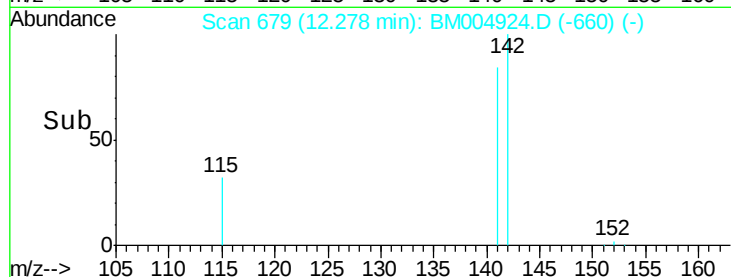
1000

500

0

12.20 12.30 12.40

Time-->



#9

Acenaphthylene

Concen: 0.36 ng/ul

RT: 14.16 min Scan# 854

Delta R.T. -0.02 min

Lab File: BM004924.D

Acq: 08 Apr 2016 10:46

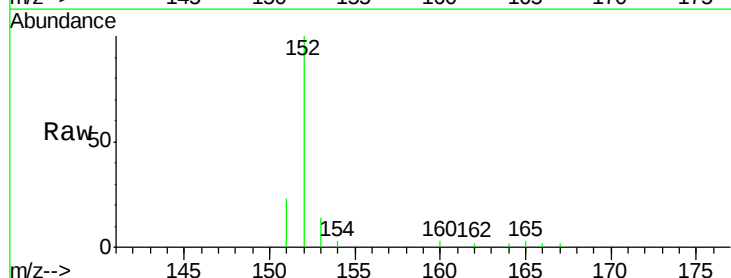
Tgt Ion:152 Resp: 4353

Ion Ratio Lower Upper

152 100

151 23.3 17.6 26.4

153 13.9 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

2500

2000

1500

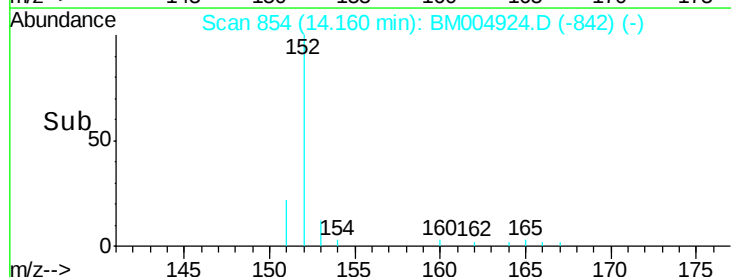
1000

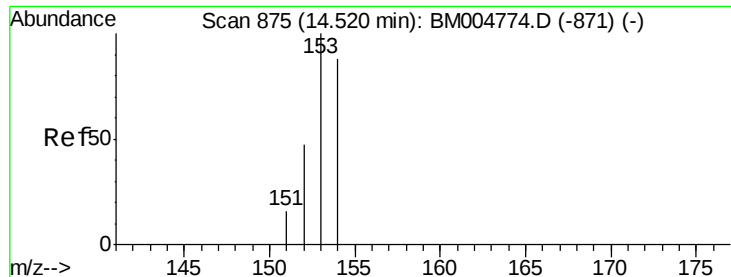
500

0

14.10 14.20 14.30

Time-->





#10

Acenaphthene

Concen: 0.42 ng/ul

RT: 14.50 min Scan# 874

Delta R.T. -0.02 min

Lab File: BM004924.D

Acq: 08 Apr 2016 10:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

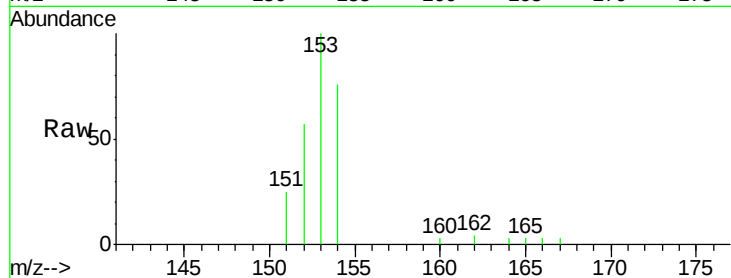
Tgt Ion:153 Resp: 3593

Ion Ratio Lower Upper

153 100

152 56.6 33.9 50.9#

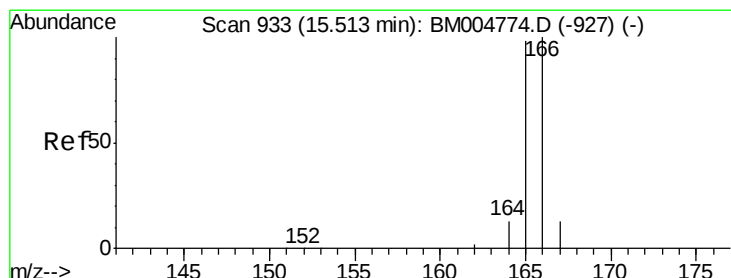
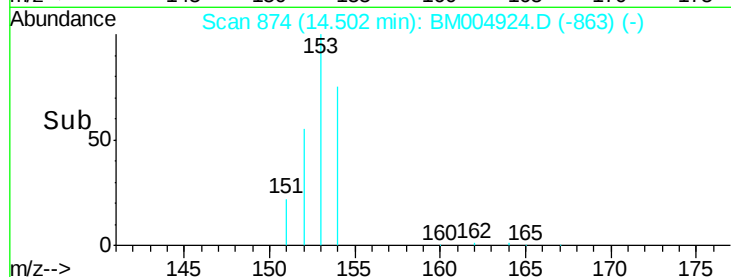
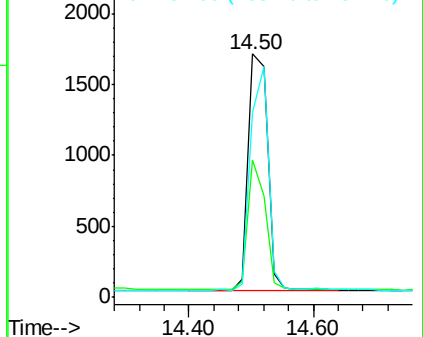
154 76.0 80.6 121.0#



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: 15.51 min Scan# 933

Delta R.T. -0.00 min

Lab File: BM004924.D

Acq: 08 Apr 2016 10:46

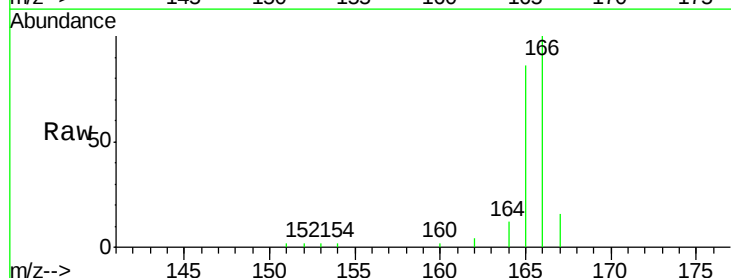
Tgt Ion:166 Resp: 4249

Ion Ratio Lower Upper

166 100

165 85.8 69.6 104.4

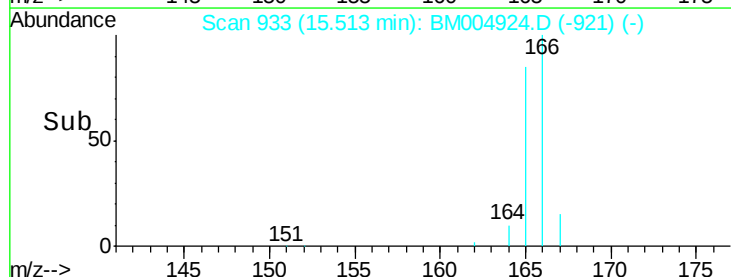
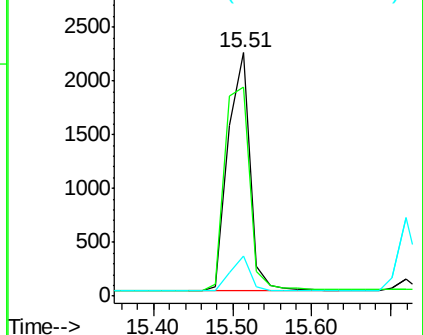
167 16.5 11.9 17.9

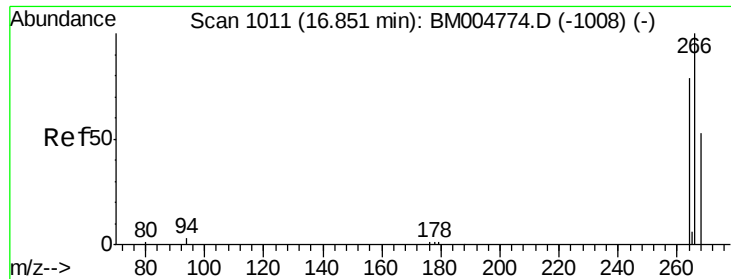


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

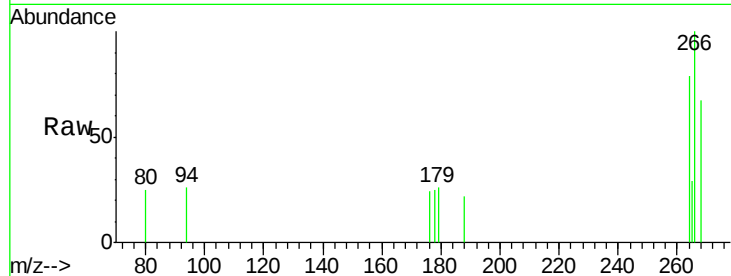




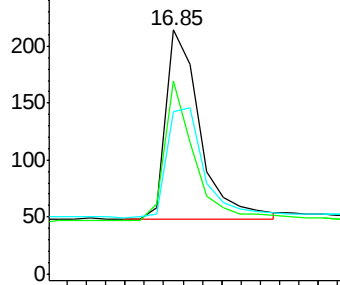
#13
 Pentachlorophenol
 Concen: 0.24 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: BM004924.D
 Acq: 08 Apr 2016 10:46

Instrument :
 BNA_M
 ClientSampleId :
 SST0.437

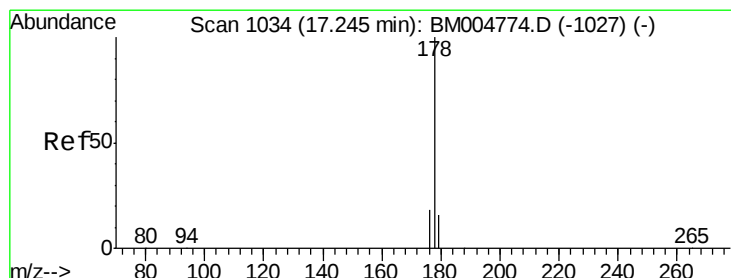
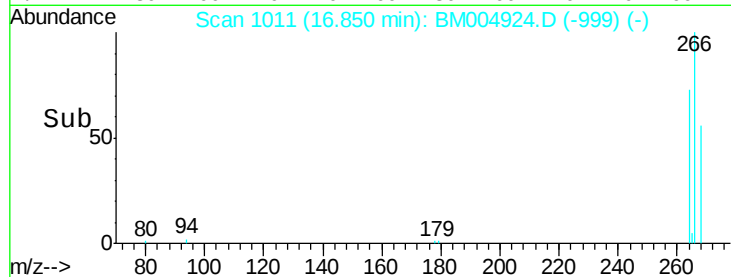
Tgt Ion: 266 Resp: 410
 Ion Ratio Lower Upper
 266 100
 264 63.7 51.8 77.8
 268 66.1 46.8 70.2



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

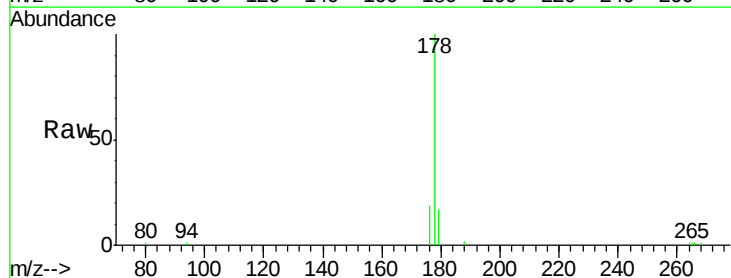


Time-->

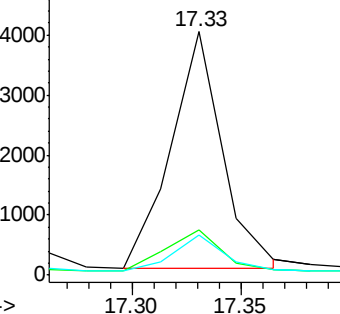


#14
 Phenanthrene
 Concen: 0.34 ng/ul
 RT: 17.33 min Scan# 1039
 Delta R.T. 0.09 min
 Lab File: BM004924.D
 Acq: 08 Apr 2016 10:46

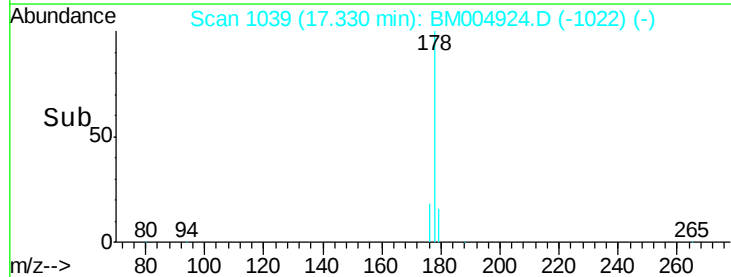
Tgt Ion: 178 Resp: 6441
 Ion Ratio Lower Upper
 178 100
 176 18.6 13.0 19.4
 179 16.6 14.2 21.2

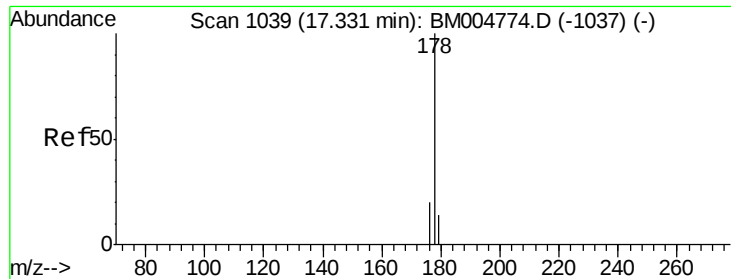


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



Time-->





#15

Anthracene

Concen: 0.38 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM004924.D

Acq: 08 Apr 2016 10:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

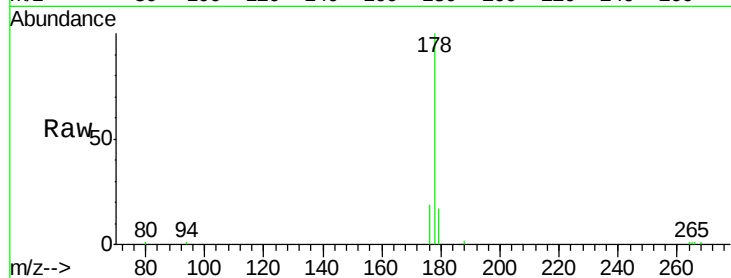
Tgt Ion:178 Resp: 6779

Ion Ratio Lower Upper

178 100

176 18.6 14.0 21.0

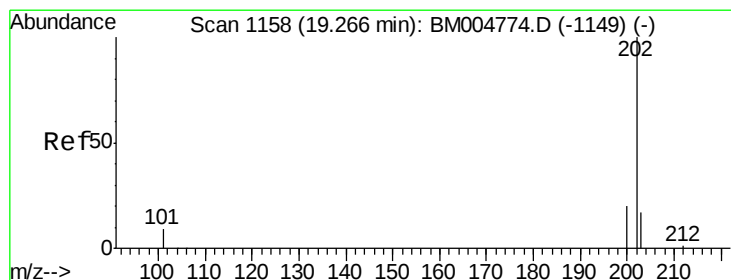
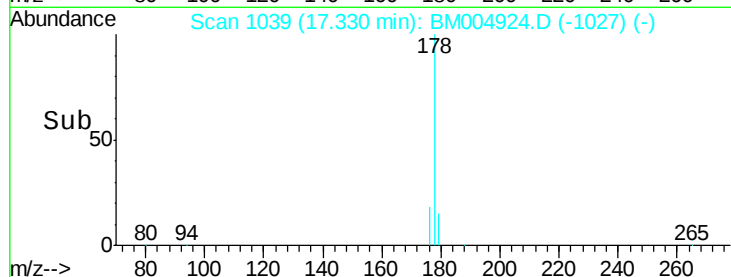
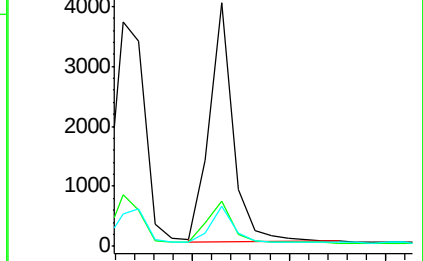
179 16.6 12.9 19.3



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: 0.44 ng/ul

RT: 19.25 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BM004924.D

Acq: 08 Apr 2016 10:46

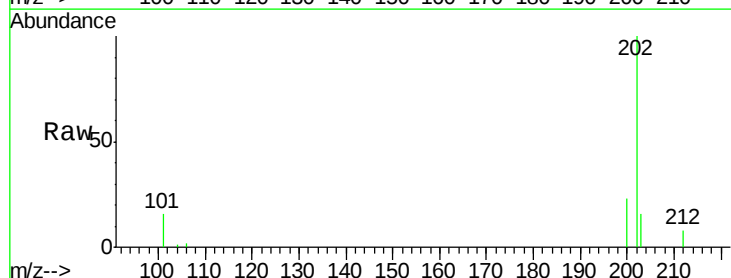
Tgt Ion:202 Resp: 9627

Ion Ratio Lower Upper

202 100

101 16.1 0.0 29.6

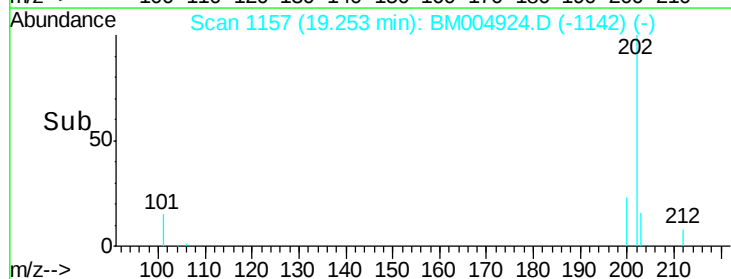
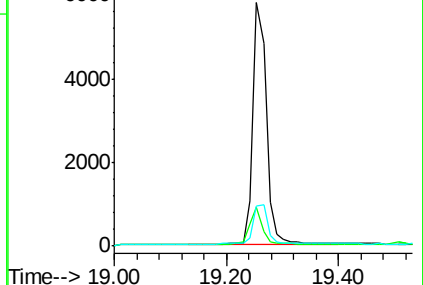
203 16.5 0.0 36.3

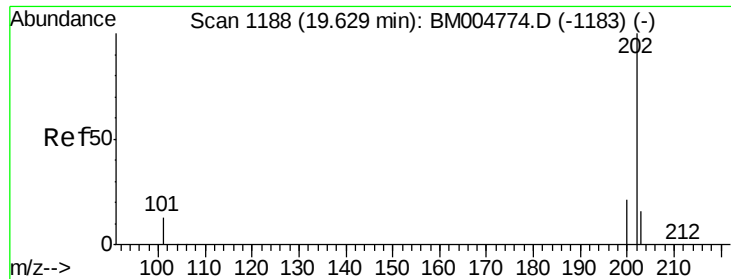


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.38 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BM004924.D

Acq: 08 Apr 2016 10:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

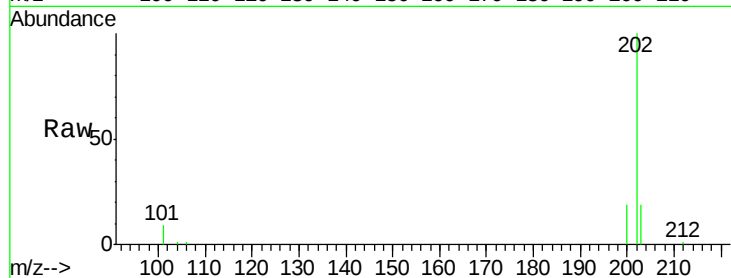
Tgt Ion:202 Resp: 10050

Ion Ratio Lower Upper

202 100

200 19.3 17.8 26.8

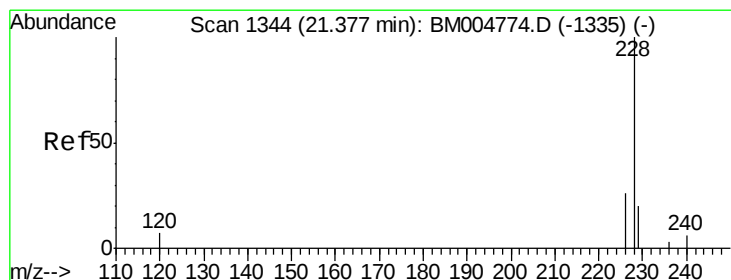
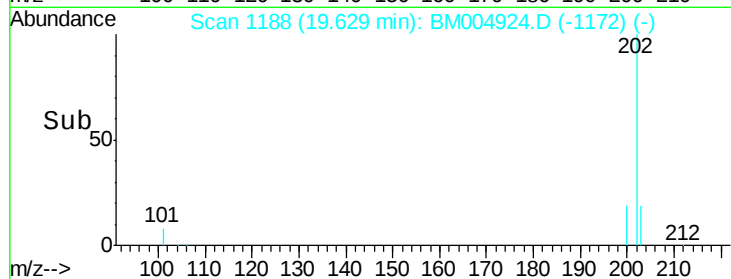
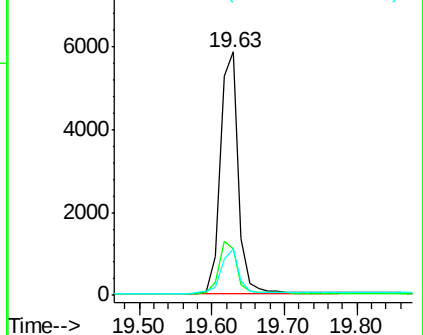
203 19.3 12.8 19.2#



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: 0.38 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BM004924.D

Acq: 08 Apr 2016 10:46

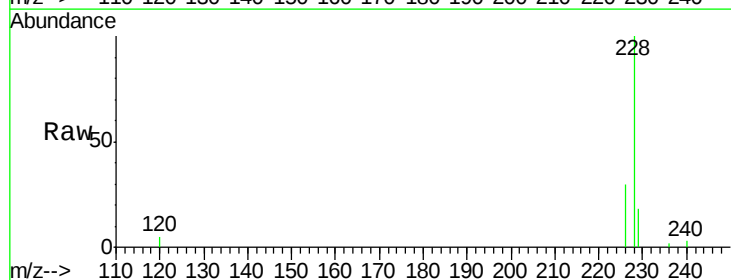
Tgt Ion:228 Resp: 8977

Ion Ratio Lower Upper

228 100

226 29.7 18.8 28.2#

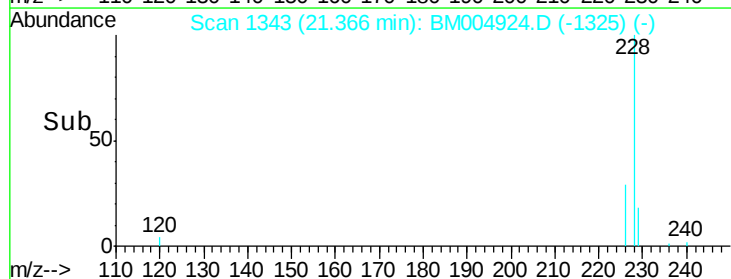
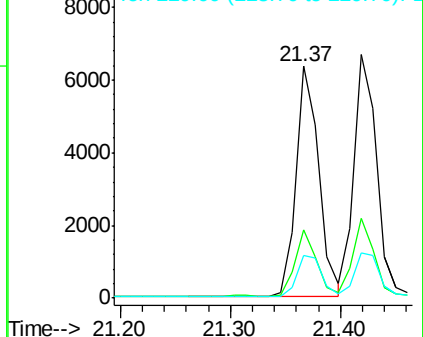
229 18.5 17.1 25.7

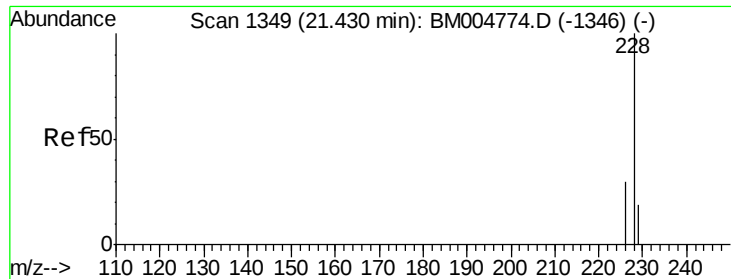


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.39 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. -0.06 min

Lab File: BM004924.D

Acq: 08 Apr 2016 10:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

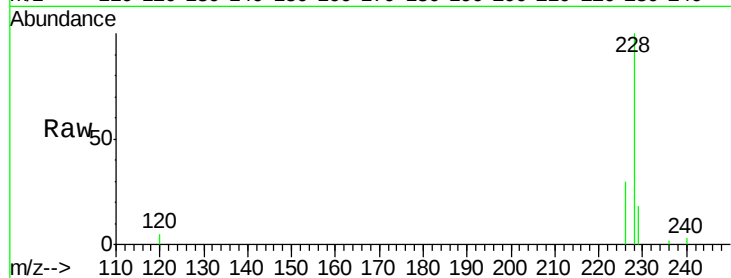
Tgt Ion:228 Resp: 8977

Ion Ratio Lower Upper

228 100

226 29.7 21.2 31.8

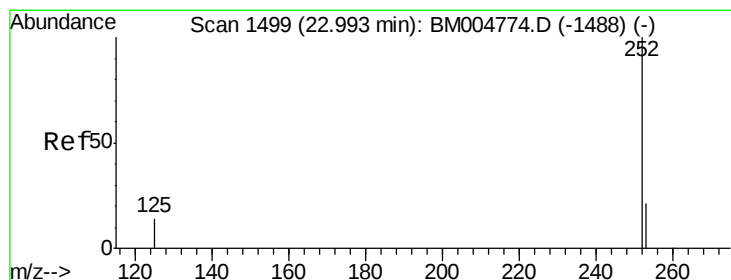
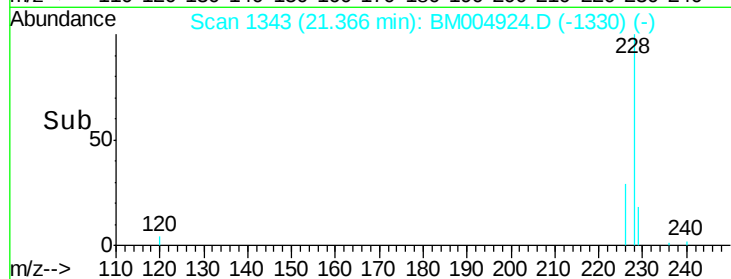
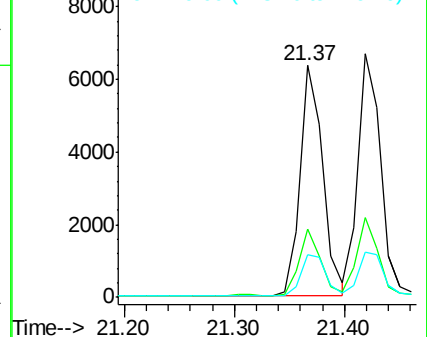
229 18.5 17.0 25.6



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: 0.40 ng/ul

RT: 22.98 min Scan# 1498

Delta R.T. -0.01 min

Lab File: BM004924.D

Acq: 08 Apr 2016 10:46

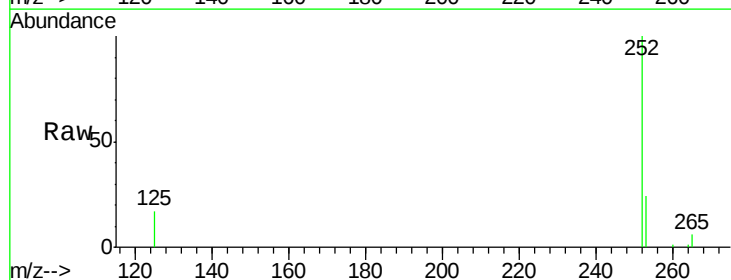
Tgt Ion:252 Resp: 8781

Ion Ratio Lower Upper

252 100

253 24.0 0.0 45.4

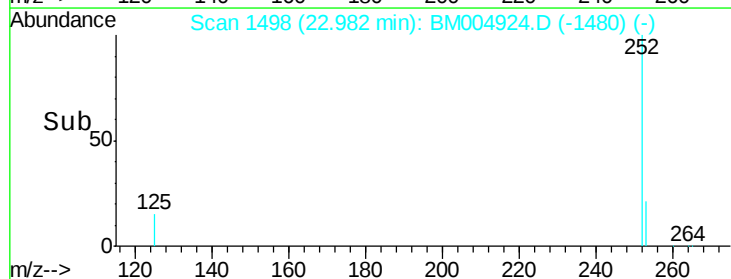
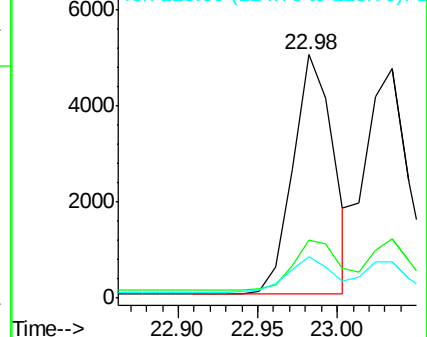
125 17.0 0.0 28.8

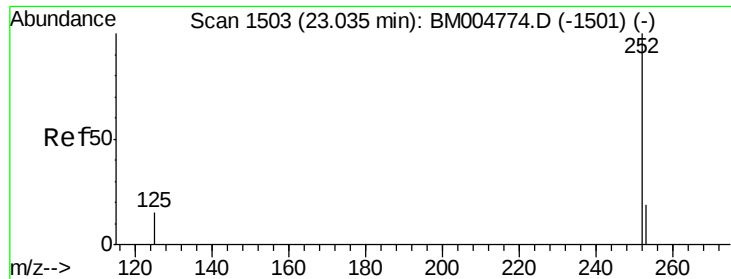


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.44 ng/ul

RT: 23.03 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BM004924.D

Acq: 08 Apr 2016 10:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

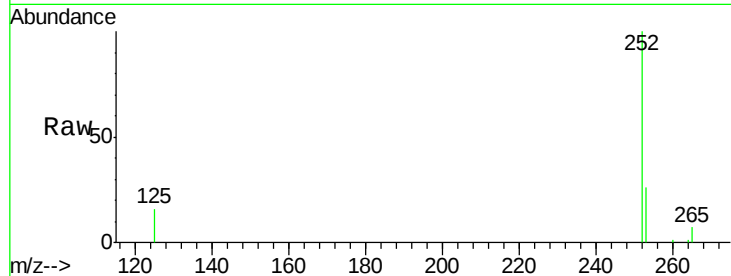
Tgt Ion:252 Resp: 8959

Ion Ratio Lower Upper

252 100

253 25.8 19.8 29.8

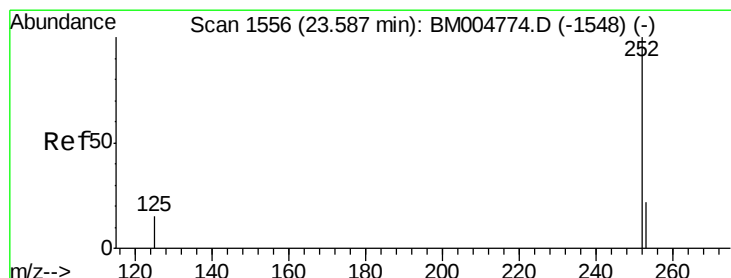
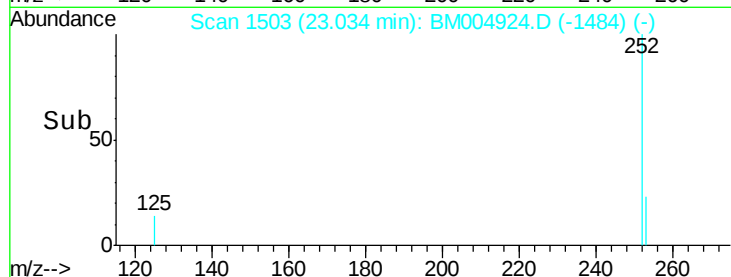
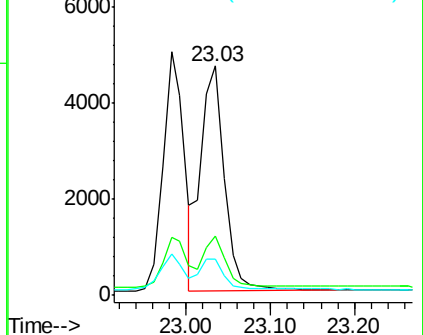
125 16.0 10.4 15.6#



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. -0.01 min

Lab File: BM004924.D

Acq: 08 Apr 2016 10:46

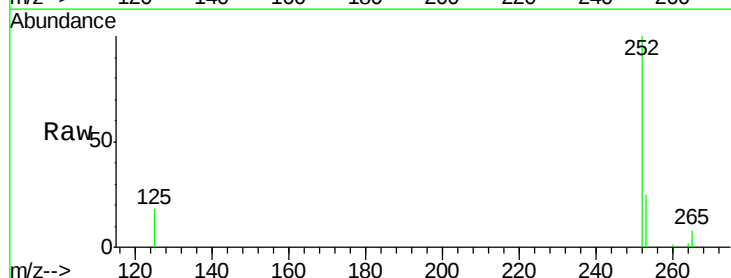
Tgt Ion:252 Resp: 8181

Ion Ratio Lower Upper

252 100

253 25.2 19.4 29.2

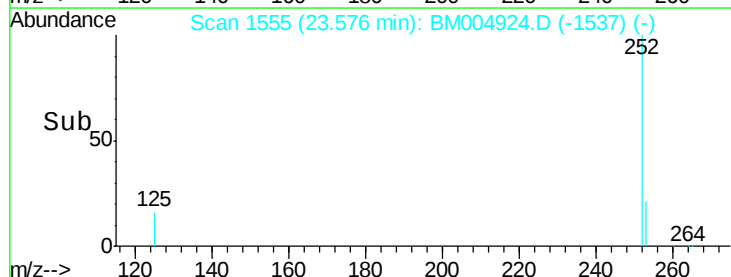
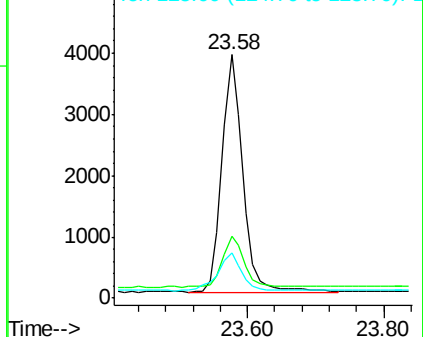
125 18.5 12.7 19.1

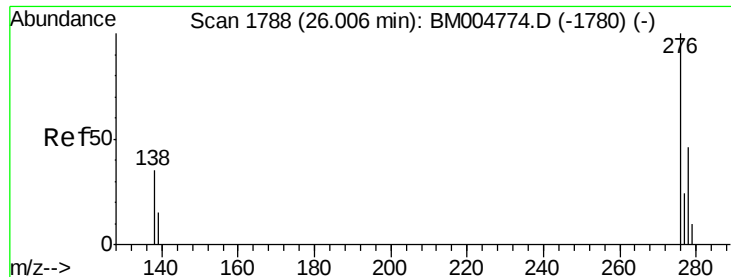


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.43 ng/ul

RT: 26.01 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BM004924.D

Acq: 08 Apr 2016 10:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

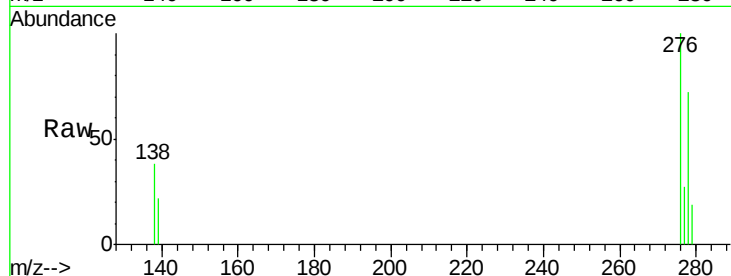
Tgt Ion:276 Resp: 7895

Ion Ratio Lower Upper

276 100

138 37.7 16.3 24.5#

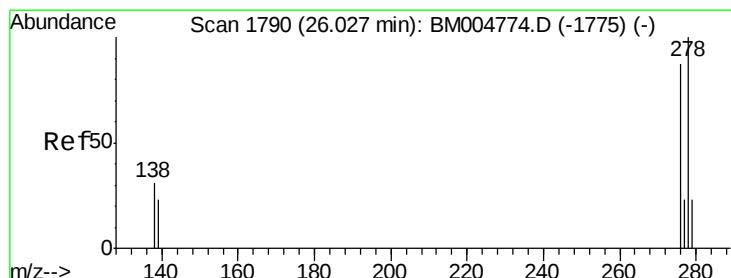
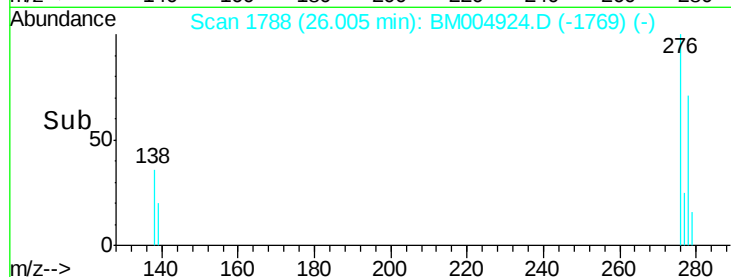
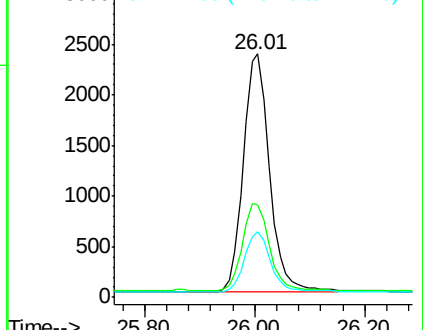
277 25.0 19.8 29.8



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: 0.43 ng/ul

RT: 26.02 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BM004924.D

Acq: 08 Apr 2016 10:46

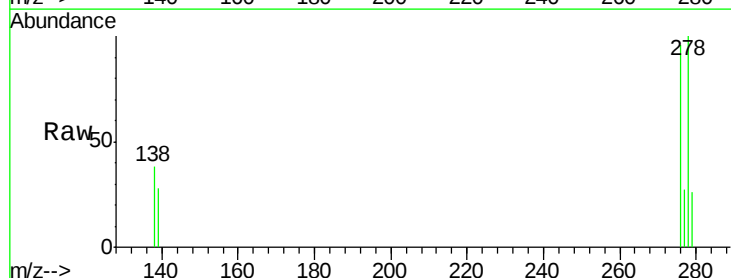
Tgt Ion:278 Resp: 6302

Ion Ratio Lower Upper

278 100

139 28.2 16.4 24.6#

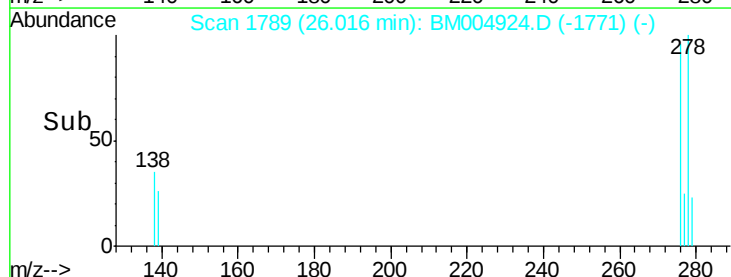
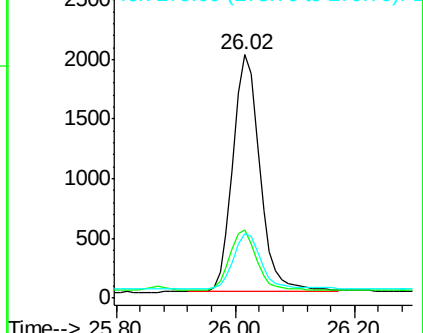
279 26.4 20.2 30.2

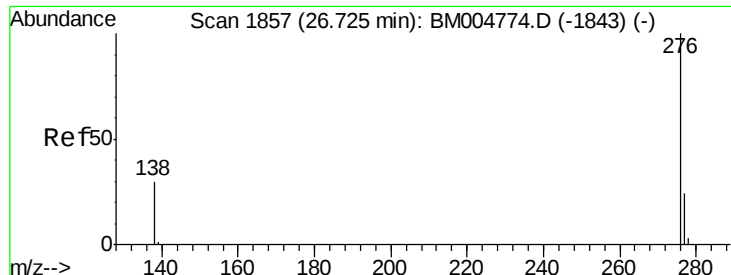


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.44 ng/ul

RT: 26.71 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM004924.D

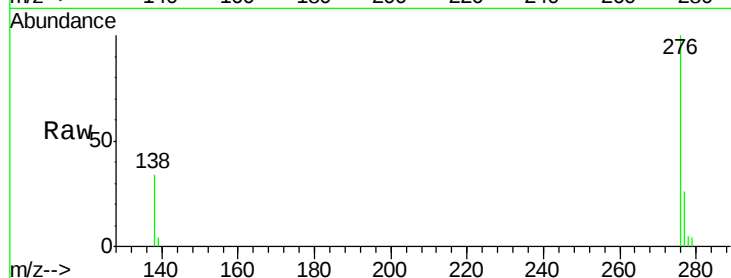
Acq: 08 Apr 2016 10:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.437



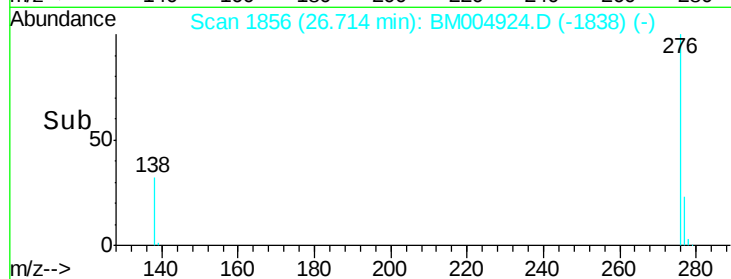
Tgt Ion: 276 Resp: 6711

Ion Ratio Lower Upper

276 100

277 25.5 18.9 28.3

138 33.9 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

