

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041816\
 Data File : BM004975.D
 Acq On : 18 Apr 2016 15:39
 Operator : UM/SJ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.459

Quant Time: Apr 19 08:20:17 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM041816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 18 15:55:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1329	0.40	ng/ul	0.00
4) Naphthalene-d8	10.61	136	5361	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.45	164	2632	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.19	188	5078	0.40	ng/ul	0.00
18) Chrysene-d12	21.39	240	4720	0.40	ng/ul	0.00
22) Perylene-d12	23.67	264	3658	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	1358	2.12	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.19	152	2525	0.40	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	4701	0.45	ng/ul	0.00

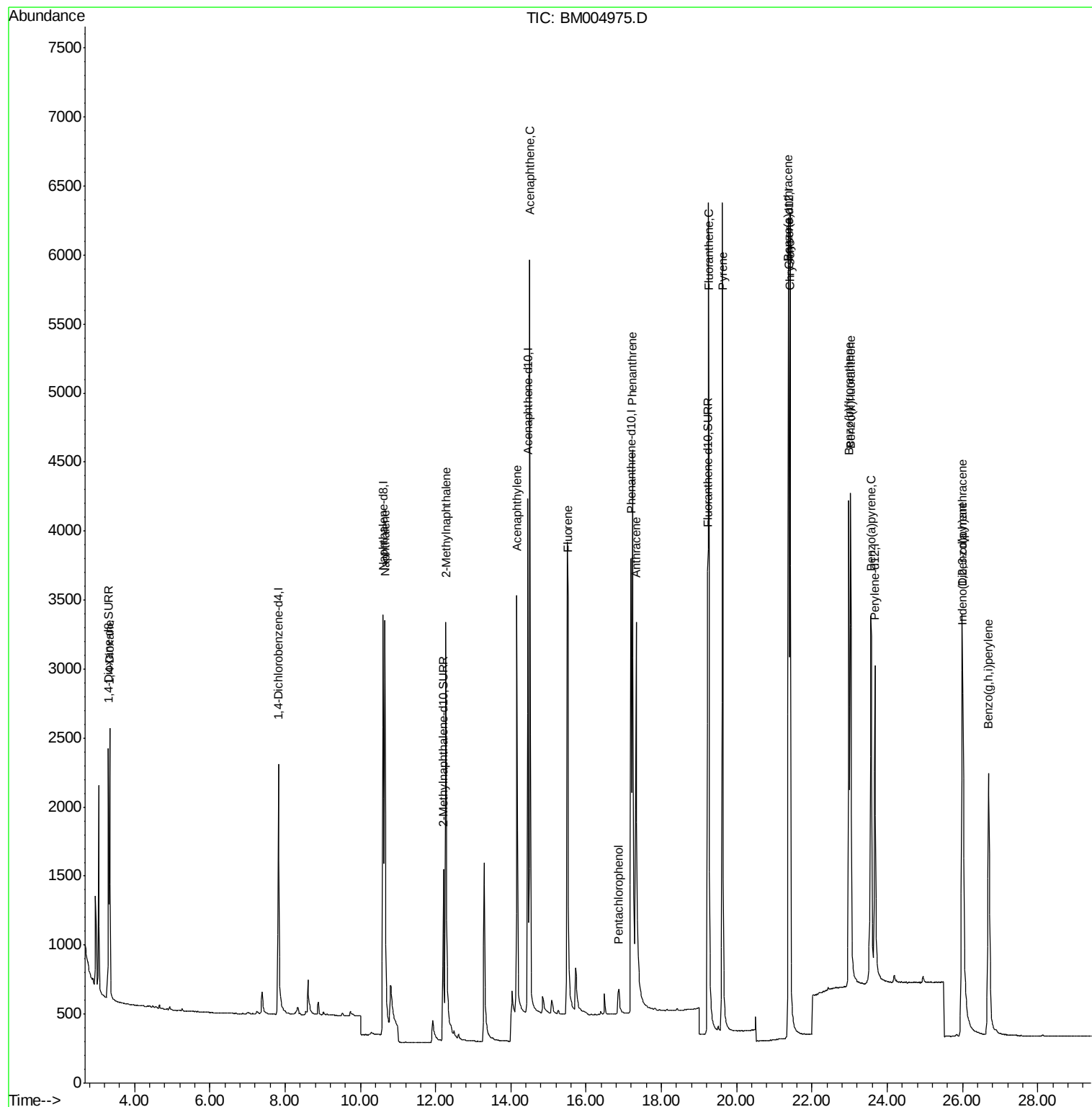
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) 1,4-Dioxane	3.34	88	1612	2.04	ng/ul#	22
5) Naphthalene	10.66	128	5202	0.41	ng/ul	95
7) 2-Methylnaphthalene	12.27	142	3307	0.39	ng/ul	98
9) Acenaphthylene	14.16	152	4242	0.40	ng/ul	98
10) Acenaphthene	14.50	153	3563	0.40	ng/ul#	85
11) Fluorene	15.51	166	3779	0.40	ng/ul	99
13) Pentachlorophenol	16.87	266	247	0.41	ng/ul	94
14) Phenanthrene	17.23	178	5858	0.42	ng/ul#	92
15) Anthracene	17.33	178	4923	0.41	ng/ul	95
17) Fluoranthene	19.25	202	6503	0.45	ng/ul	94
19) Pyrene	19.62	202	6712	0.35	ng/ul	98
20) Benzo(a)anthracene	21.37	228	5171	0.41	ng/ul#	94
21) Chrysene	21.42	228	6037	0.40	ng/ul	94
23) Benzo(b)fluoranthene	22.98	252	5531	0.42	ng/ul	91
24) Benzo(k)fluoranthene	23.02	252	5200	0.41	ng/ul#	94
25) Benzo(a)pyrene	23.57	252	4764	0.42	ng/ul#	90
26) Indeno(1,2,3-cd)pyrene	25.98	276	4812	0.41	ng/ul#	81
27) Dibenzo(a,h)anthracene	26.01	278	3683	0.41	ng/ul#	84
28) Benzo(g,h,i)perylene	26.69	276	4326	0.41	ng/ul#	87

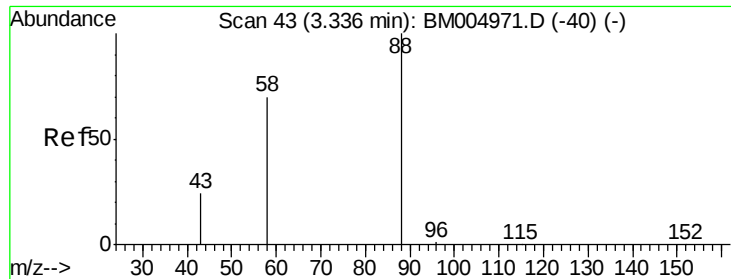
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.04 ng/ul

RT: 3.34 min Scan# 43

Delta R.T. -0.00 min

Lab File: BM004975.D

Acq: 18 Apr 2016 15:39

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

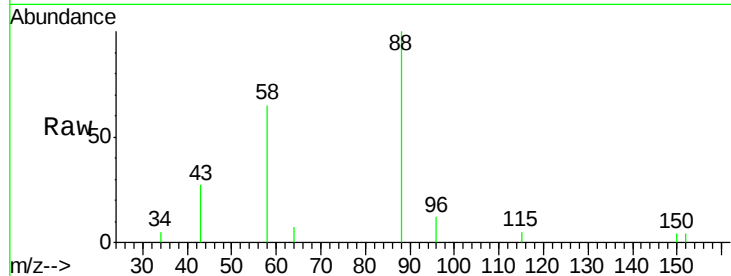
Tot Ion: 88 Resp: 1612

Ion Ratio Lower Upper

88 100

58 57.6 8.0 12.0#

43 20.3 8.0 12.0#

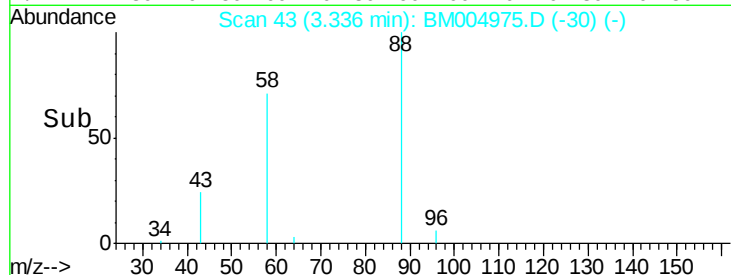


Abundance Ion 88.00 (87.70 to 88.70): BM004975.D (-40) (-)

Ion 58.00 (57.70 to 58.70): BM004975.D (-40) (-)

Ion 43.00 (42.70 to 43.70): BM004975.D (-40) (-)

Time-->



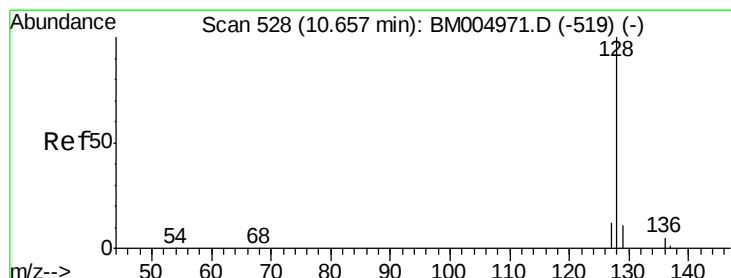
Abundance

Ion 88.00 (87.70 to 88.70): BM004975.D (-30) (-)

Ion 58.00 (57.70 to 58.70): BM004975.D (-30) (-)

Ion 43.00 (42.70 to 43.70): BM004975.D (-30) (-)

Time-->



#5

Naphthalene

Concen: 0.41 ng/ul

RT: 10.66 min Scan# 528

Delta R.T. -0.00 min

Lab File: BM004975.D

Acq: 18 Apr 2016 15:39

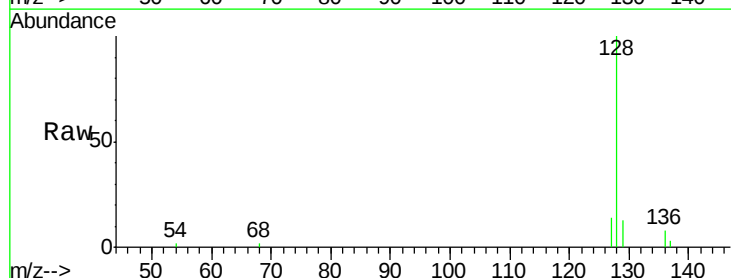
Tgt Ion: 128 Resp: 5202

Ion Ratio Lower Upper

128 100

129 13.0 9.0 13.6

127 14.0 9.6 14.4

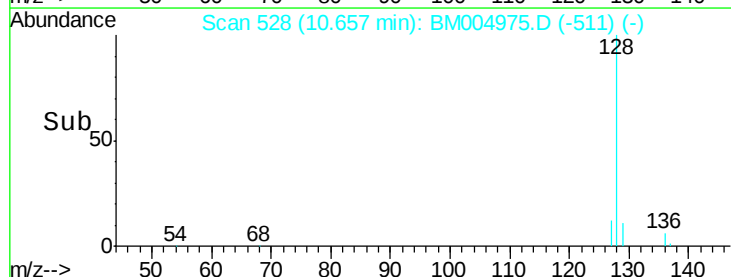


Abundance Ion 128.00 (127.70 to 128.70): BM004975.D (-519) (-)

Ion 129.00 (128.70 to 129.70): BM004975.D (-519) (-)

Ion 127.00 (126.70 to 127.70): BM004975.D (-519) (-)

Time-->



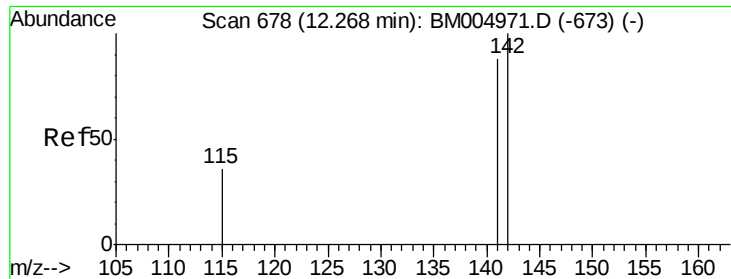
Abundance

Ion 128.00 (127.70 to 128.70): BM004975.D (-511) (-)

Ion 129.00 (128.70 to 129.70): BM004975.D (-511) (-)

Ion 127.00 (126.70 to 127.70): BM004975.D (-511) (-)

Time-->



#7

2-Methylnaphthalene

Concen: 0.39 ng/ul

RT: 12.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BM004975.D

Acq: 18 Apr 2016 15:39

Instrument :

BNA_M

ClientSampleId :

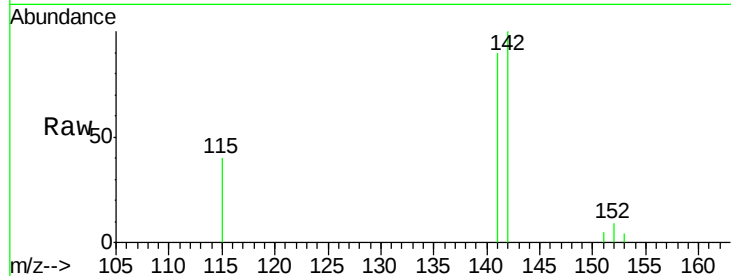
SSTD0.459

Tot Ion:142 Resp: 3307

Ion Ratio Lower Upper

142 100

141 89.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

1500

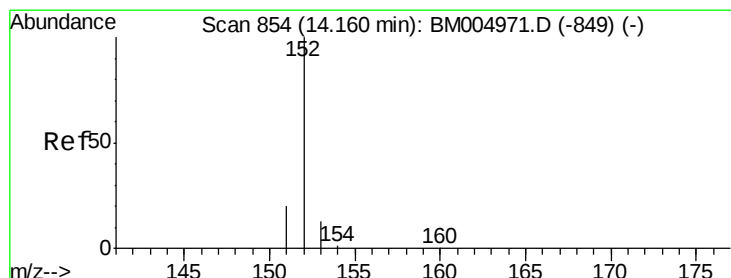
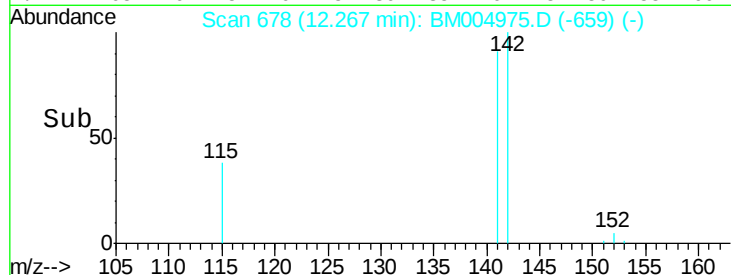
1000

500

0

12.20 12.30 12.40

Time-->



#9

Acenaphthylene

Concen: 0.40 ng/ul

RT: 14.16 min Scan# 854

Delta R.T. -0.00 min

Lab File: BM004975.D

Acq: 18 Apr 2016 15:39

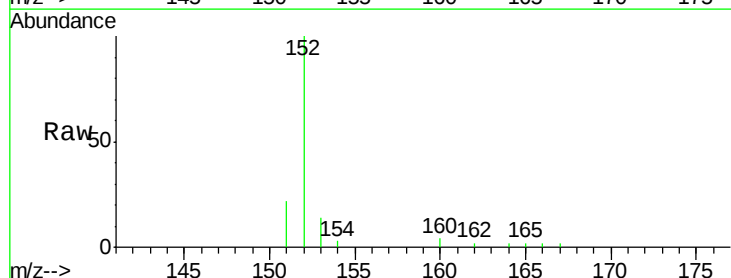
Tgt Ion:152 Resp: 4242

Ion Ratio Lower Upper

152 100

151 21.8 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

3000

2500

2000

1500

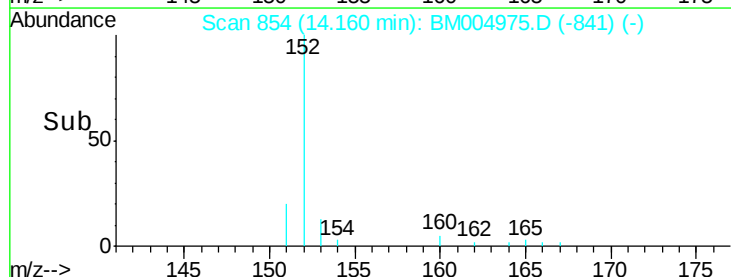
1000

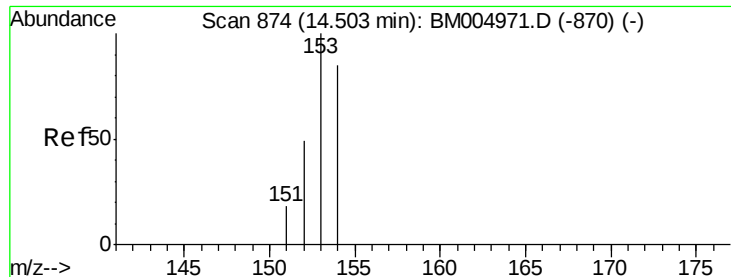
500

0

14.00 14.10 14.20 14.30

Time-->





#10

Acenaphthene

Concen: 0.40 ng/ul

RT: 14.50 min Scan# 874

Delta R.T. -0.00 min

Lab File: BM004975.D

Acq: 18 Apr 2016 15:39

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

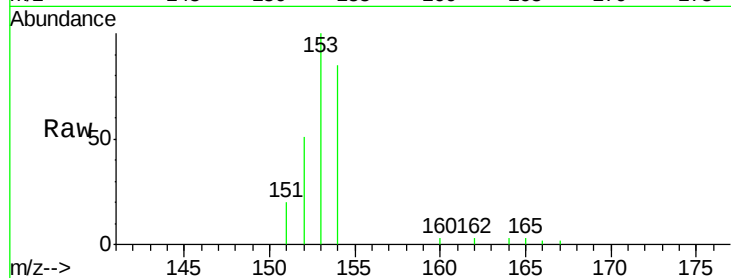
Tot Ion:153 Resp: 3563

Ion Ratio Lower Upper

153 100

152 51.4 33.9 50.9#

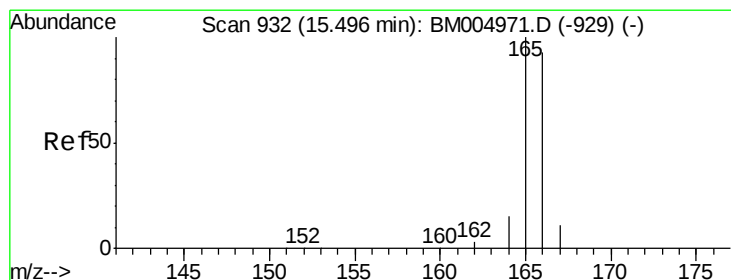
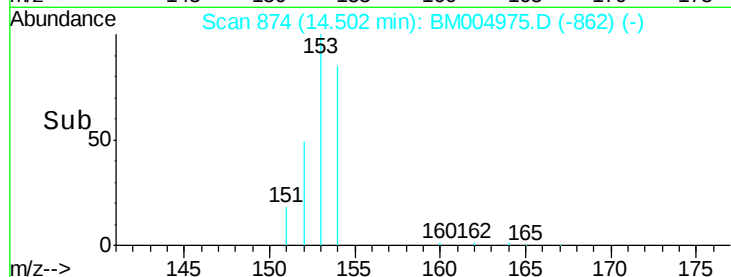
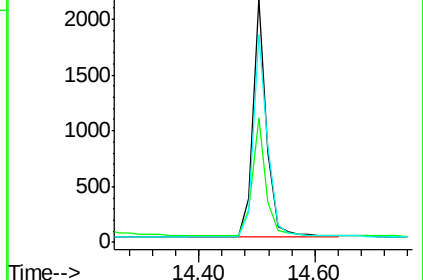
154 85.1 80.6 121.0



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: 0.40 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.02 min

Lab File: BM004975.D

Acq: 18 Apr 2016 15:39

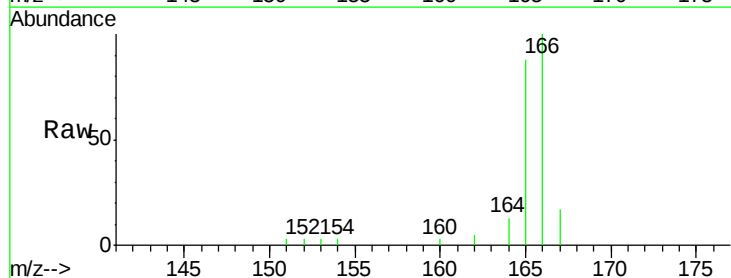
Tgt Ion:166 Resp: 3779

Ion Ratio Lower Upper

166 100

165 87.7 69.6 104.4

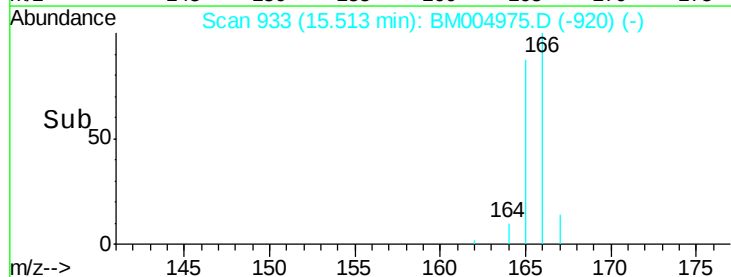
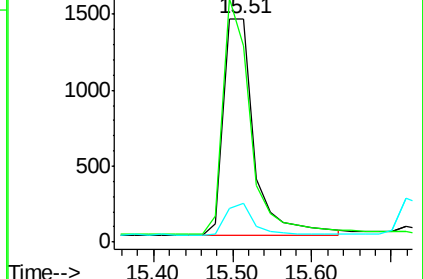
167 17.2 11.9 17.9

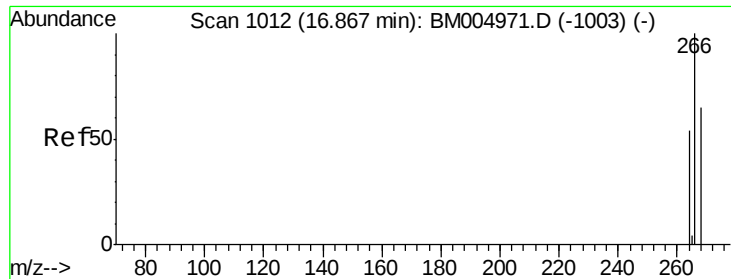


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

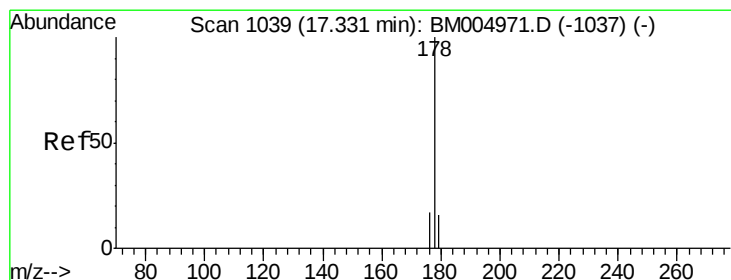
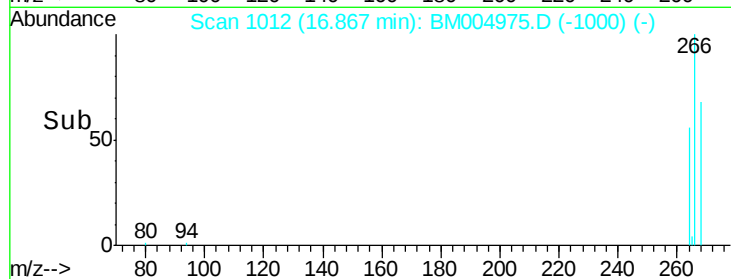
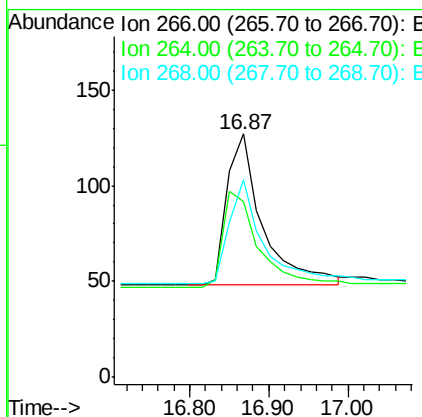
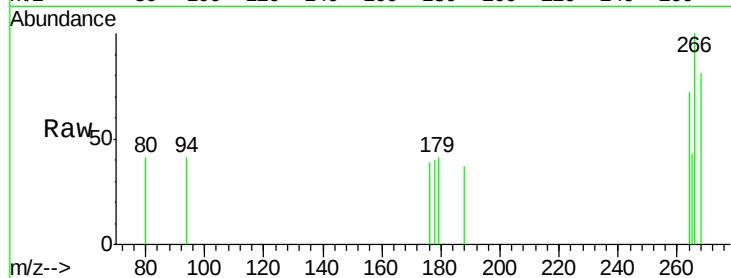




#13
 Pentachlorophenol
 Concen: 0.41 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: BM004975.D
 Acq: 18 Apr 2016 15:39

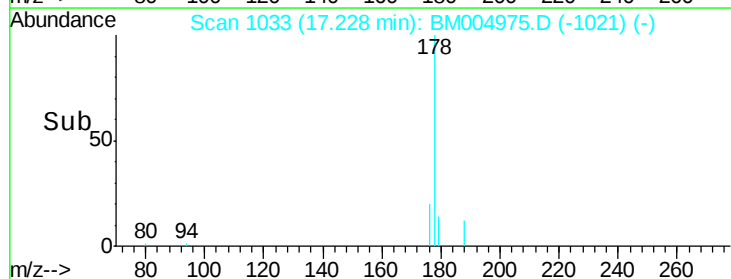
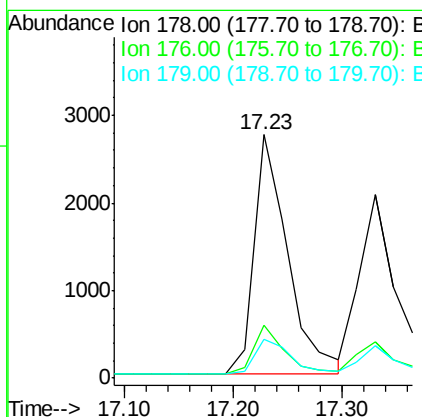
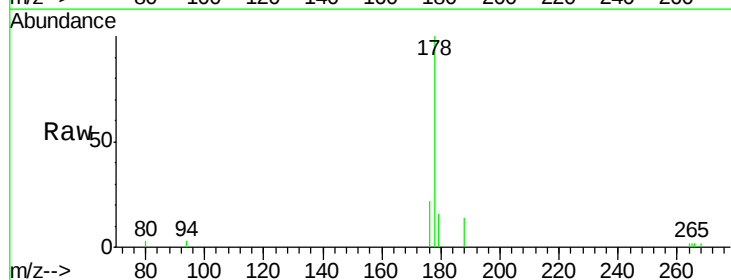
Instrument :
 BNA_M
 ClientSampleId :
 SST0.459

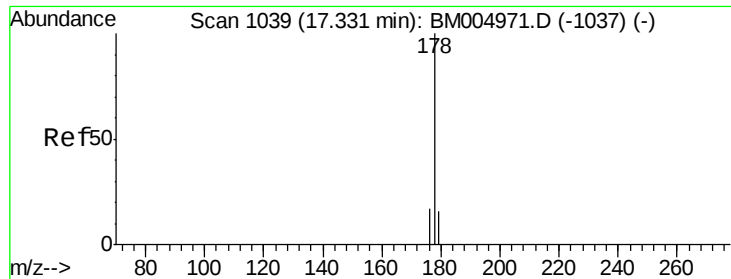
Tot Ion:266 Resp: 247
 Ion Ratio Lower Upper
 266 100
 264 66.0 51.8 77.8
 268 66.8 46.8 70.2



#14
 Phenanthrene
 Concen: 0.42 ng/ul
 RT: 17.23 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BM004975.D
 Acq: 18 Apr 2016 15:39

Tgt Ion:178 Resp: 5858
 Ion Ratio Lower Upper
 178 100
 176 21.9 13.0 19.4#
 179 15.9 14.2 21.2





#15

Anthracene

Concen: 0.41 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM004975.D

Acq: 18 Apr 2016 15:39

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

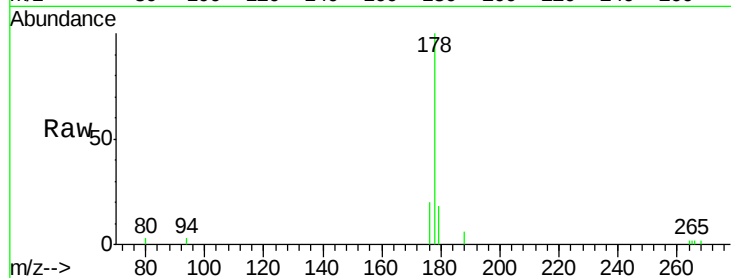
Tot Ion:178 Resp: 4923

Ion Ratio Lower Upper

178 100

176 20.0 14.0 21.0

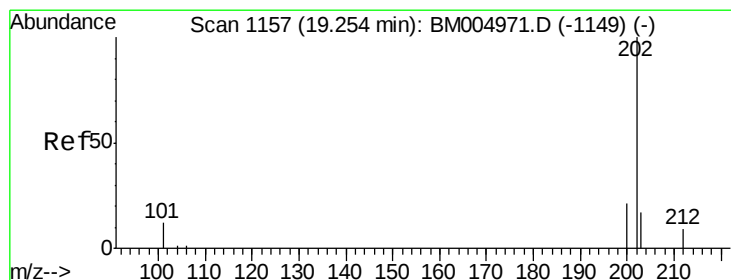
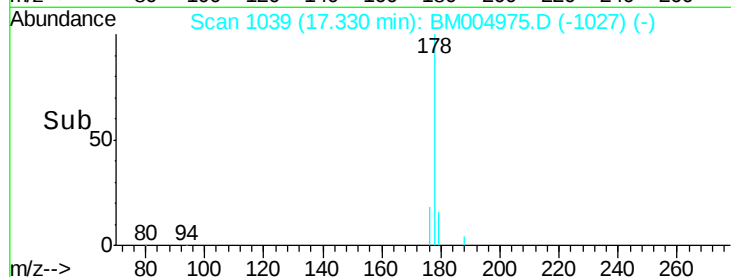
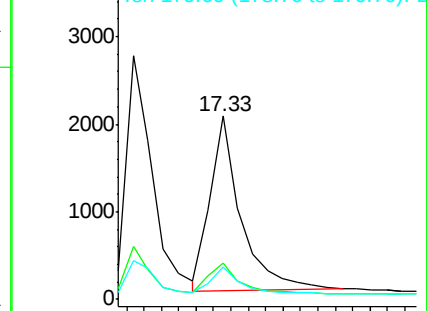
179 17.9 12.9 19.3



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: 0.45 ng/ul

RT: 19.25 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BM004975.D

Acq: 18 Apr 2016 15:39

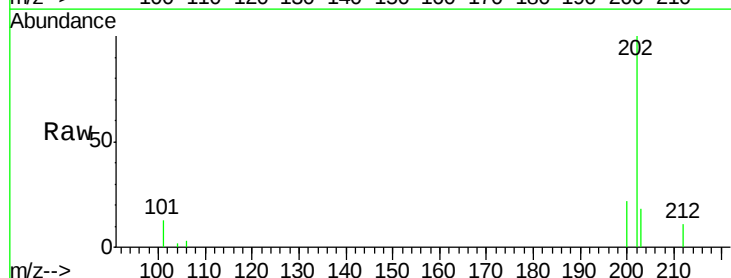
Tgt Ion:202 Resp: 6503

Ion Ratio Lower Upper

202 100

101 13.0 0.0 29.6

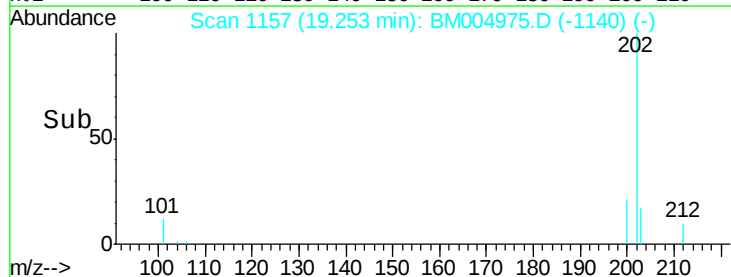
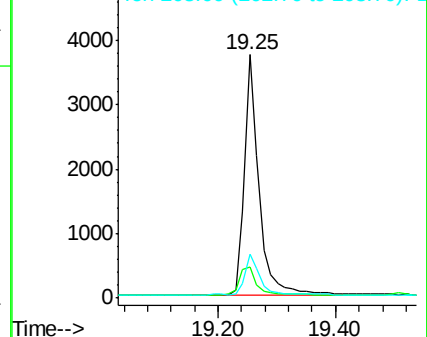
203 17.8 0.0 36.3

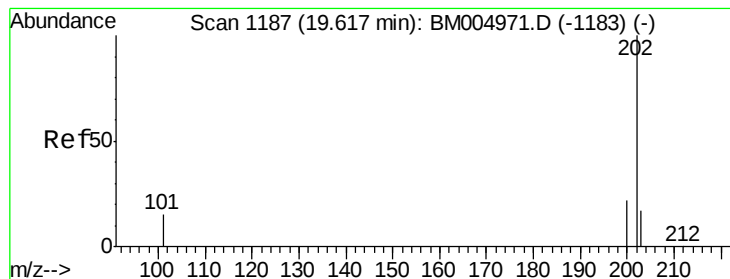


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.35 ng/ul

RT: 19.62 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BM004975.D

Acq: 18 Apr 2016 15:39

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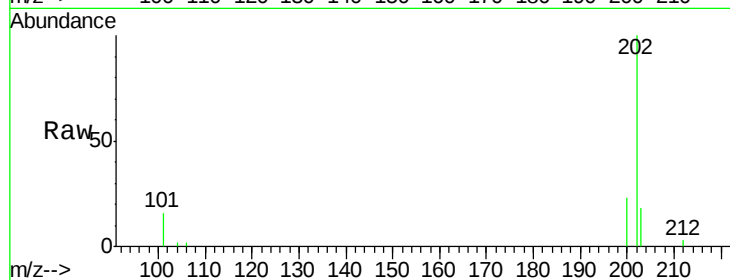
Tot Ion:202 Resp: 6712

Ion Ratio Lower Upper

202 100

200 22.5 17.8 26.8

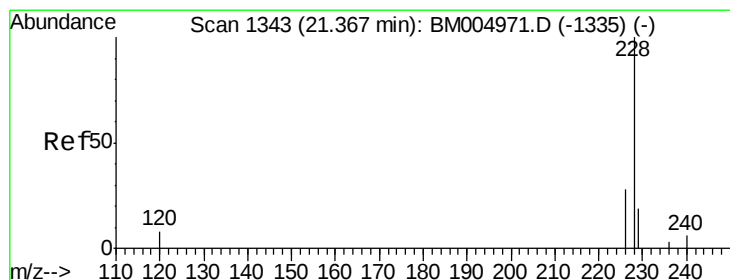
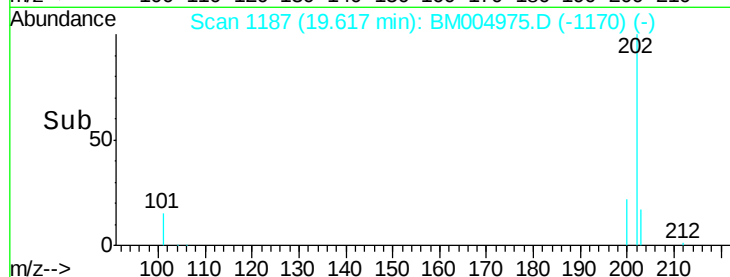
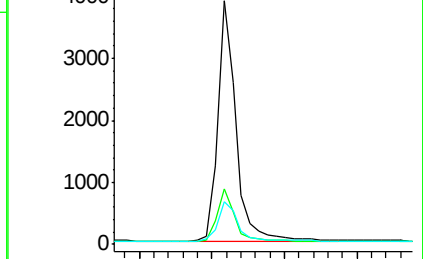
203 17.6 12.8 19.2



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: 0.41 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. -0.00 min

Lab File: BM004975.D

Acq: 18 Apr 2016 15:39

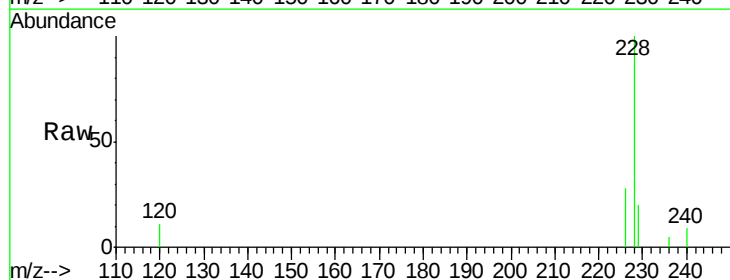
Tgt Ion:228 Resp: 5171

Ion Ratio Lower Upper

228 100

226 28.4 18.8 28.2#

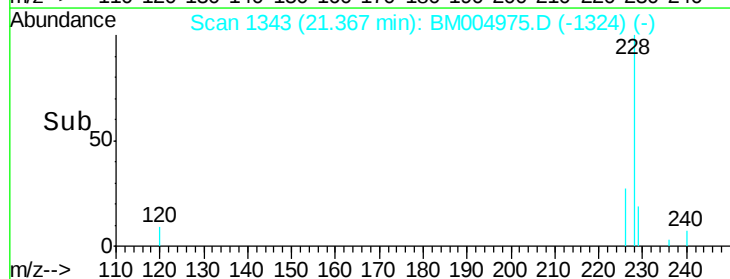
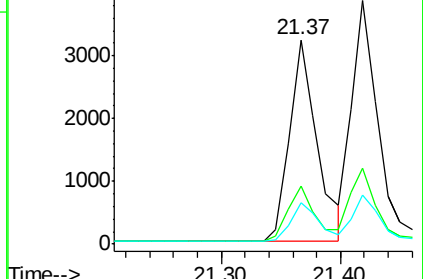
229 20.2 17.1 25.7

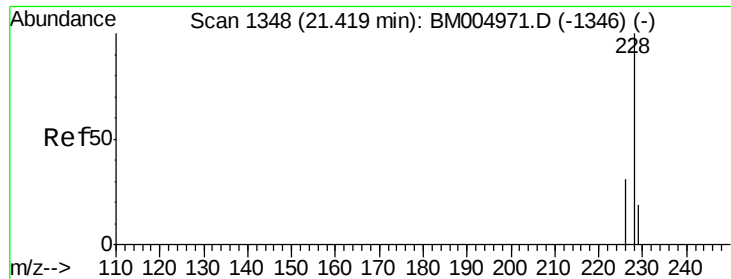


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.40 ng/uL

RT: 21.42 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BM004975.D

Acq: 18 Apr 2016 15:39

Instrument :

BNA_M

ClientSampleID :

SSTD0.459

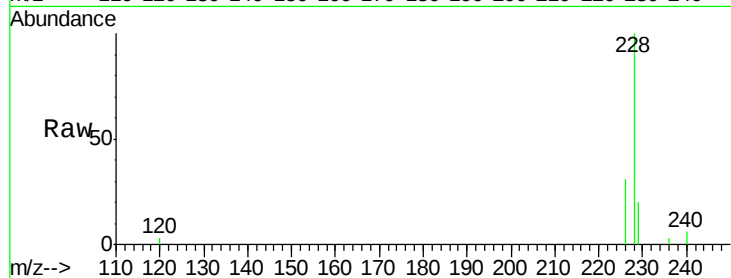
Tot Ion:228 Resp: 6037

Ion Ratio Lower Upper

228 100

226 31.0 21.2 31.8

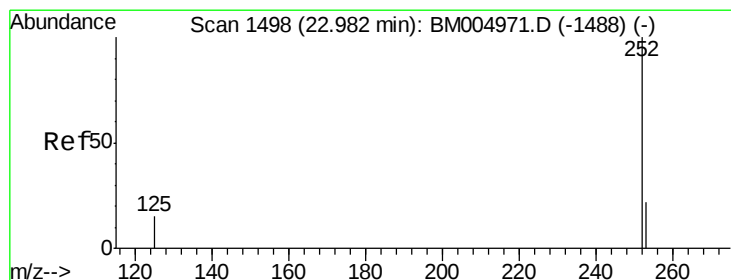
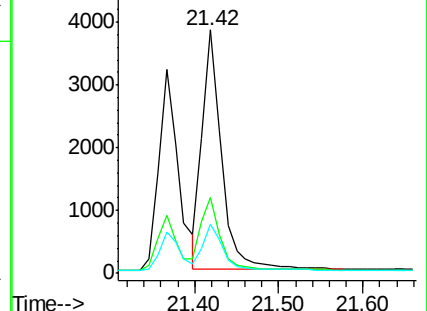
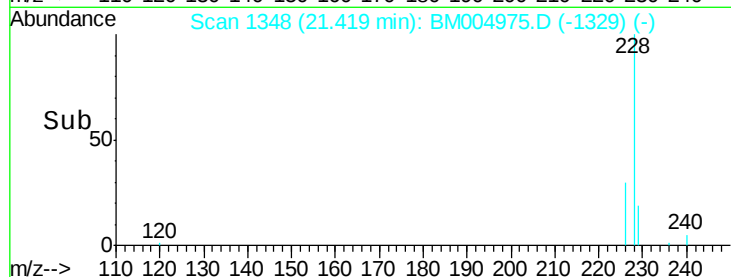
229 20.1 17.0 25.6



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: 0.42 ng/uL

RT: 22.98 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BM004975.D

Acq: 18 Apr 2016 15:39

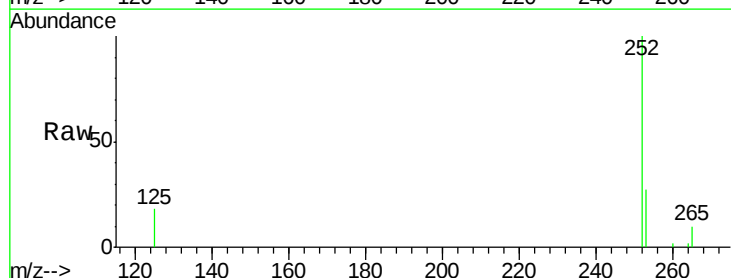
Tgt Ion:252 Resp: 5531

Ion Ratio Lower Upper

252 100

253 26.6 0.0 45.4

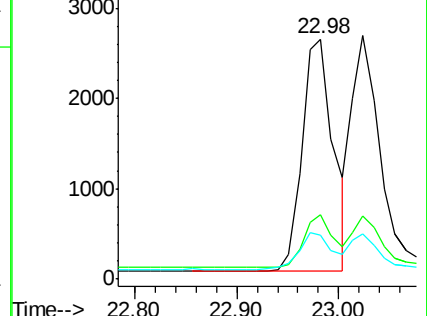
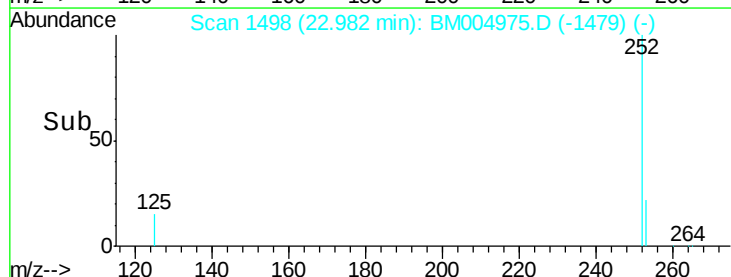
125 18.2 0.0 28.8

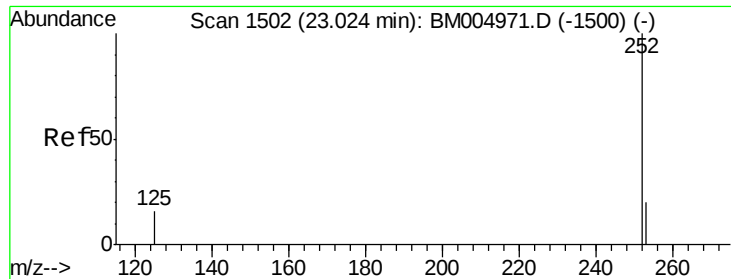


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.41 ng/ul

RT: 23.02 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BM004975.D

Acq: 18 Apr 2016 15:39

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

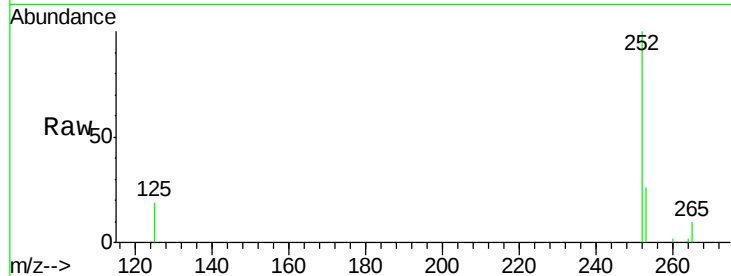
Tot Ion:252 Resp: 5200

Ion Ratio Lower Upper

252 100

253 25.9 19.8 29.8

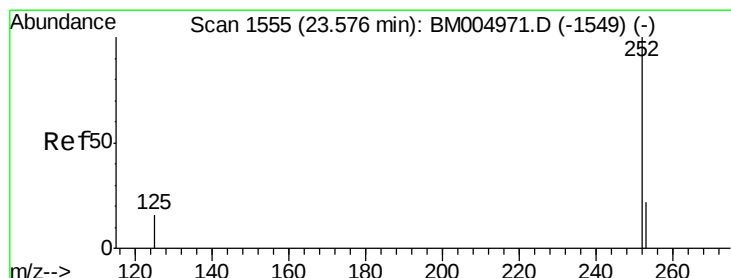
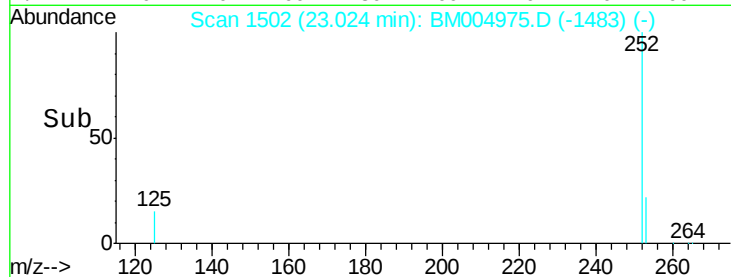
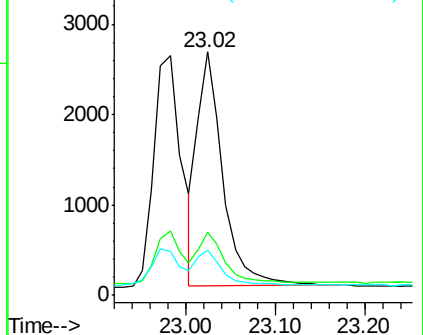
125 18.7 10.4 15.6#



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: 0.42 ng/ul

RT: 23.57 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BM004975.D

Acq: 18 Apr 2016 15:39

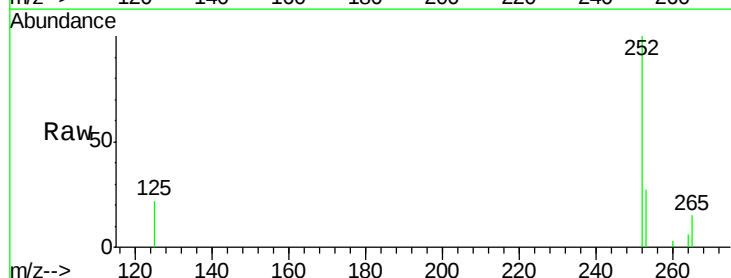
Tgt Ion:252 Resp: 4764

Ion Ratio Lower Upper

252 100

253 27.1 19.4 29.2

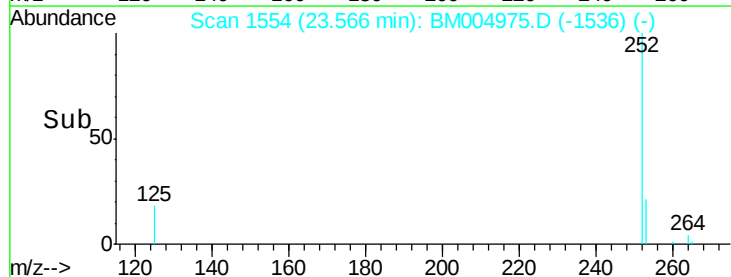
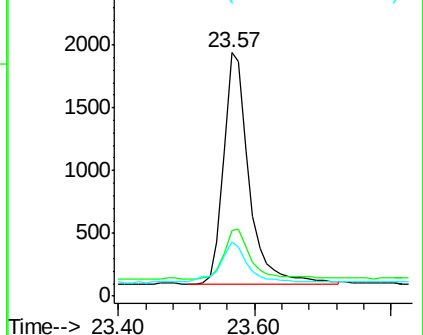
125 22.4 12.7 19.1#

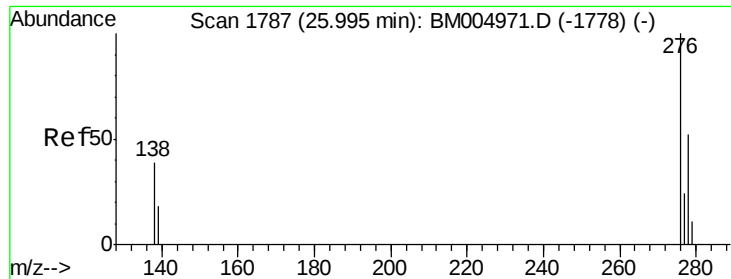


Abundance Ion 252.00 (251.70 to 252.70): E

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: 25.98 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BM004975.D

Acq: 18 Apr 2016 15:39

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

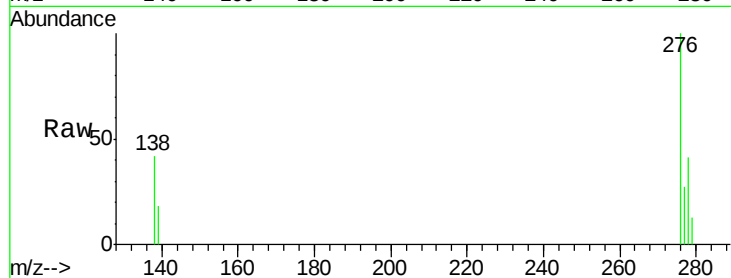
Tot Ion:276 Resp: 4812

Ion Ratio Lower Upper

276 100

138 40.3 16.3 24.5#

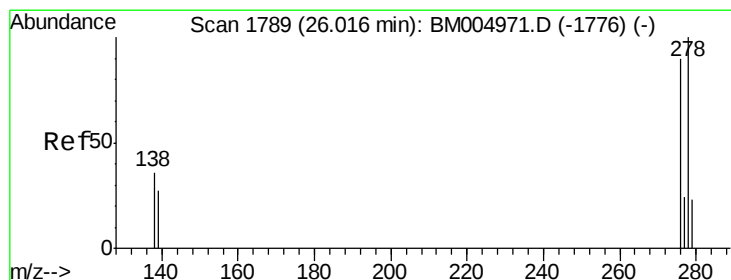
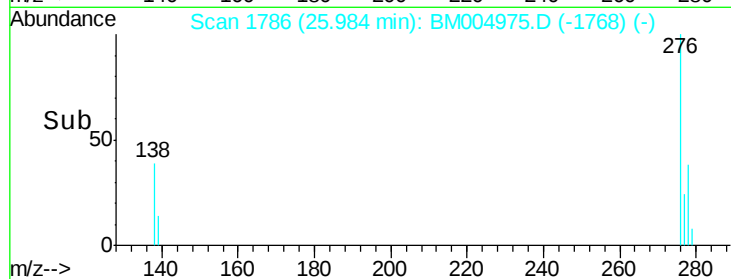
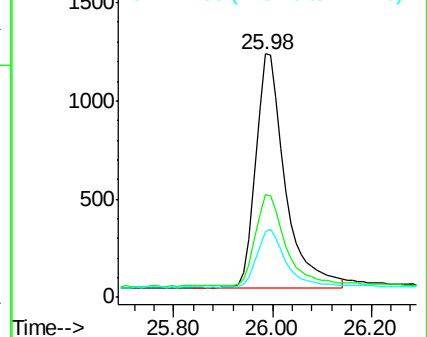
277 24.9 19.8 29.8



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: 0.41 ng/ul

RT: 26.01 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BM004975.D

Acq: 18 Apr 2016 15:39

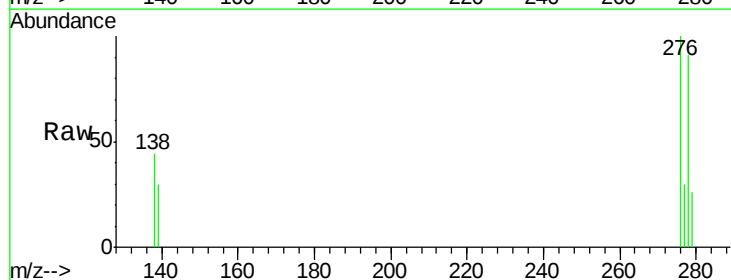
Tgt Ion:278 Resp: 3683

Ion Ratio Lower Upper

278 100

139 33.4 16.4 24.6#

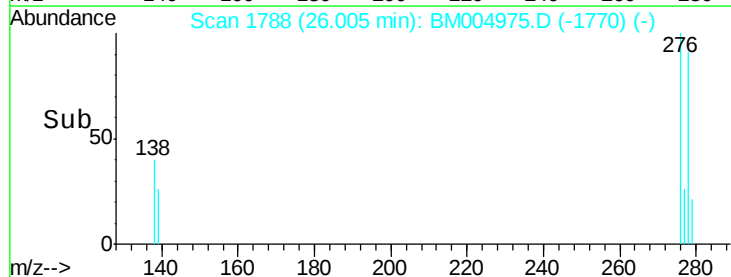
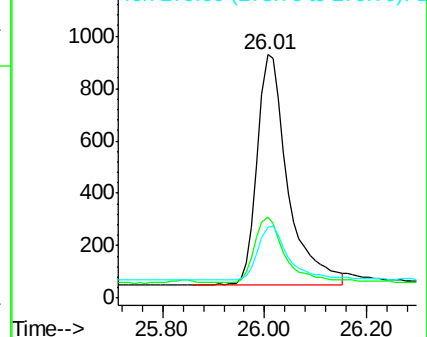
279 28.8 20.2 30.2

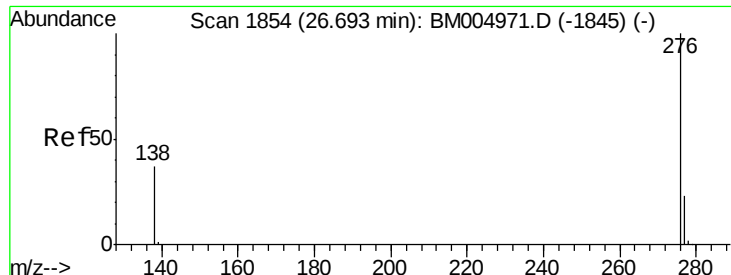


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(a,h,i)perylene

Concen: 0.41 ng/ul

RT: 26.69 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BM004975.D

Acq: 18 Apr 2016 15:39

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

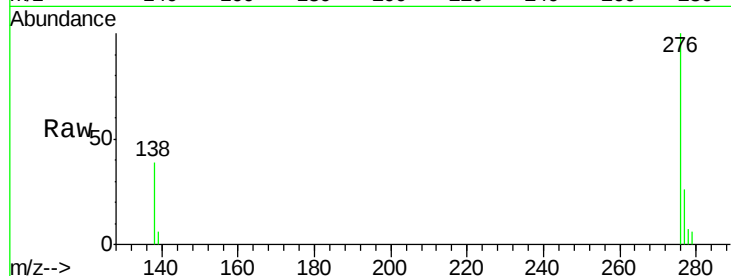
Tot Ion:276 Resp: 4326

Ion Ratio Lower Upper

276 100

277 26.2 18.9 28.3

138 38.7 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

