

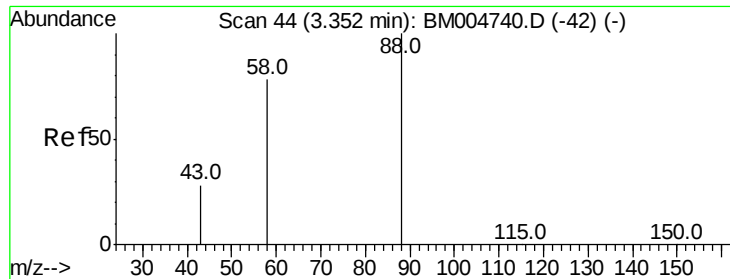
Data Path : Z:\HPCHEM1\BNA M\DATA\BM032216\
 Data File : BM004749.D
 Acq On : 23 Mar 2016 04:56
 Operator : UM/SJ
 Sample : SSTDC00.4EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.465

Quant Time: Mar 23 05:12:53 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 23 06:08:08 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1350	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5368	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2652	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	5765	5.00	ng/ul	0.00
18) Chrysene-d12	21.39	240	5287	5.00	ng/ul	0.00
22) Perylene-d12	23.68	264	4236	5.00	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	1270	1.94	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	2502	0.41	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	4876	0.42	ng/ul	0.00
Target Compounds					Ovalue	
3) 1,4-Dioxane	3.35	88	1542	1.93	ng/ul#	21
5) Naphthalene	10.67	128	5001	0.40	ng/ul#	95
7) 2-Methylnaphthalene	12.28	142	3270	0.41	ng/ul	99
9) Acenaphthylene	14.18	152	4148	0.43	ng/ul#	96
10) Acenaphthene	14.52	153	3478	0.40	ng/ul	87
11) Fluorene	15.51	166	3784	0.41	ng/ul	86
13) Pentachlorophenol	16.87	266	404	0.52	ng/ul	95
14) Phenanthrene	17.24	178	6262	0.39	ng/ul#	93
15) Anthracene	17.24	178	6253	0.48	ng/ul	97
17) Fluoranthene	19.27	202	6814	0.42	ng/ul	95
19) Pyrene	19.63	202	7025	0.38	ng/ul	94
20) Benzo(a)anthracene	21.38	228	5476	0.44	ng/ul	97
21) Chrysene	21.43	228	6520	0.38	ng/ul	98
23) Benzo(b)fluoranthene	22.99	252	6112	0.40	ng/ul	94
24) Benzo(k)fluoranthene	23.04	252	5336	0.35	ng/ul#	96
25) Benzo(a)pyrene	23.58	252	5135	0.40	ng/ul#	93
26) Indeno(1,2,3-cd)pyrene	26.01	276	5397	0.39	ng/ul#	82
27) Dibenzo(a,h)anthracene	26.03	278	4225	0.39	ng/ul#	90
28) Benzo(g,h,i)perylene	26.72	276	4881	0.37	ng/ul#	90

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



#3

1,4-Dioxane

Concen: 1.93 ng/ul

RT: 3.35 min Scan# 44

Delta R.T. 0.00 min

Lab File: BM004749.D

Acq: 23 Mar 2016 04:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.465

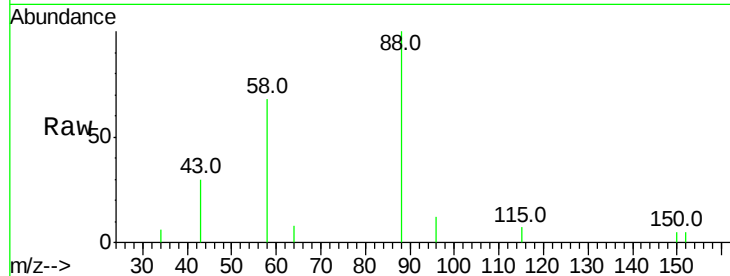
Tot Ion: 88 Resp: 1542

Ion Ratio Lower Upper

88 100

58 57.6 8.0 12.0#

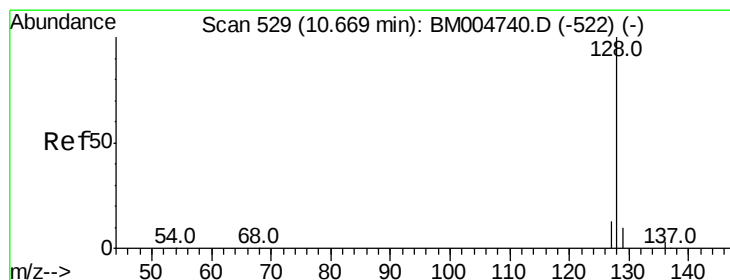
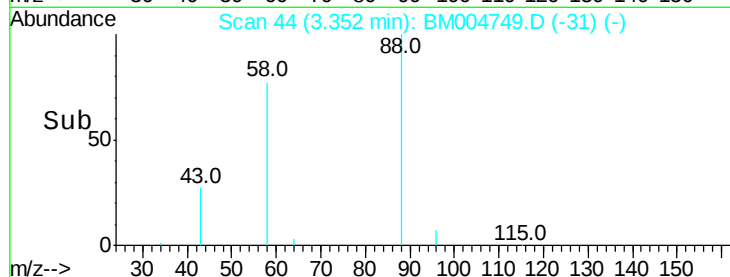
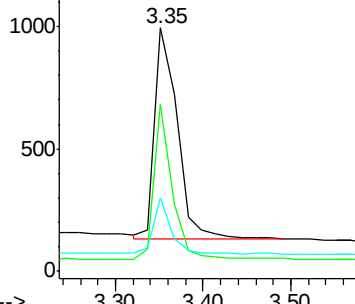
43 20.9 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM004749.D (-512) (-)

Ion 58.00 (57.70 to 58.70): BM004749.D (-512) (-)

Ion 43.00 (42.70 to 43.70): BM004749.D (-512) (-)



#5

Naphthalene

Concen: 0.40 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004749.D

Acq: 23 Mar 2016 04:56

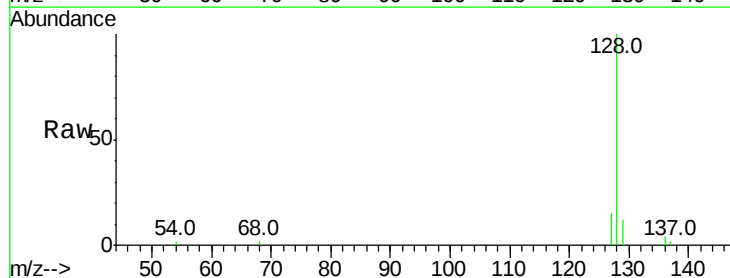
Tgt Ion: 128 Resp: 5001

Ion Ratio Lower Upper

128 100

129 12.3 9.0 13.6

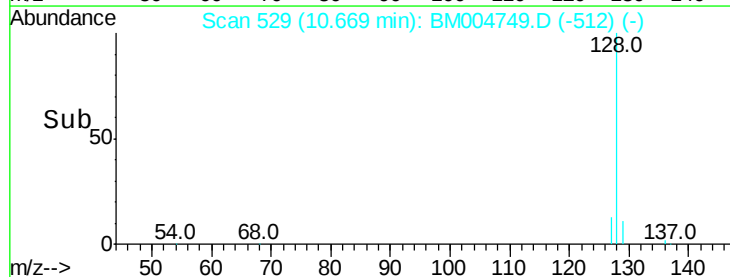
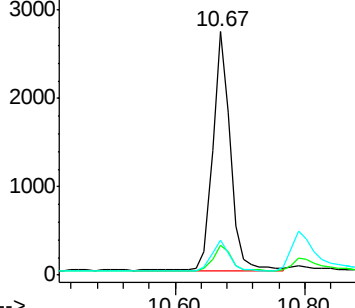
127 14.6 9.6 14.4#

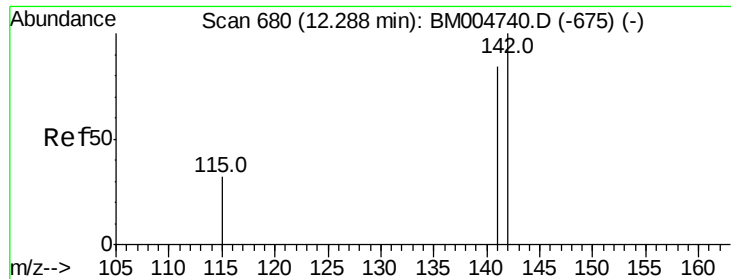


Abundance Ion 128.00 (127.70 to 128.70): BM004749.D (-512) (-)

Ion 129.00 (128.70 to 129.70): BM004749.D (-512) (-)

Ion 127.00 (126.70 to 127.70): BM004749.D (-512) (-)





#7

2-Methylnaphthalene

Concen: 0.41 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. -0.01 min

Lab File: BM004749.D

Acq: 23 Mar 2016 04:56

Instrument :

BNA_M

ClientSampleId :

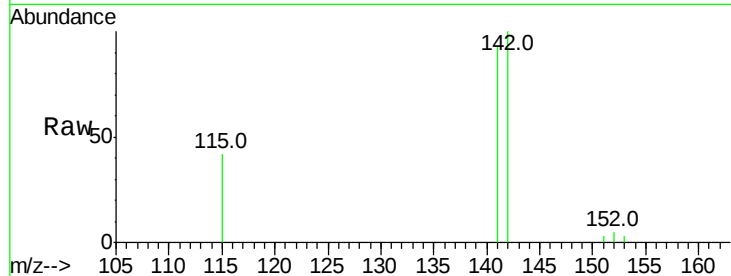
SSTD0.465

Tot Ion:142 Resp: 3270

Ion Ratio Lower Upper

142 100

141 88.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.28

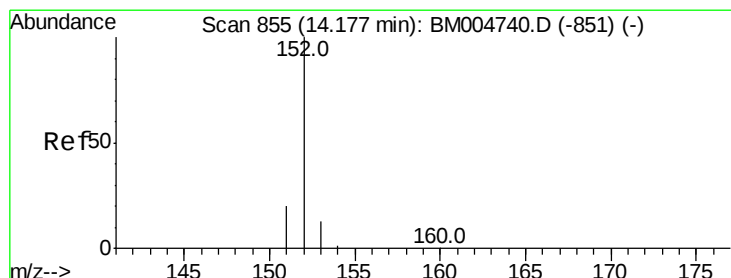
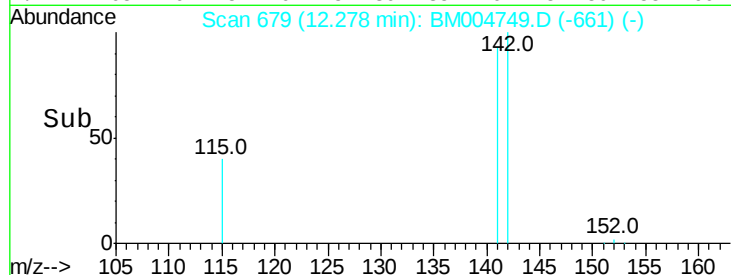
1500

1000

500

0

Time--> 12.20 12.30 12.40 12.50



#9

Acenaphthylene

Concen: 0.43 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004749.D

Acq: 23 Mar 2016 04:56

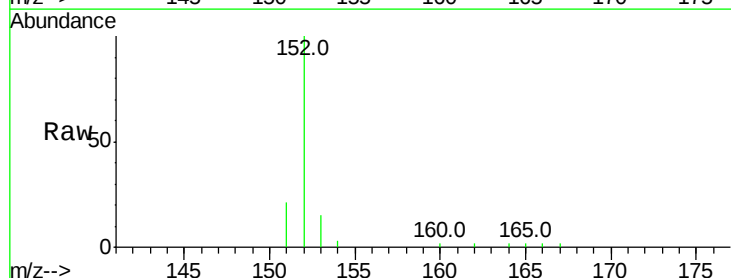
Tgt Ion:152 Resp: 4148

Ion Ratio Lower Upper

152 100

151 20.8 17.6 26.4

153 14.8 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

14.18

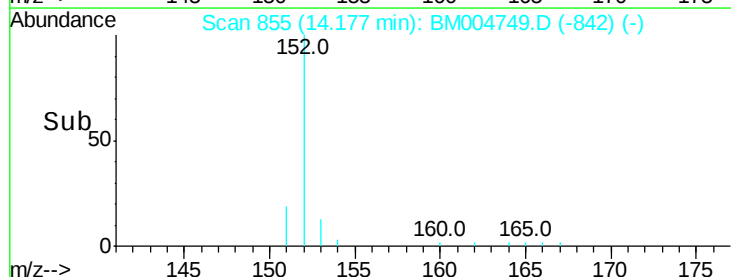
3000

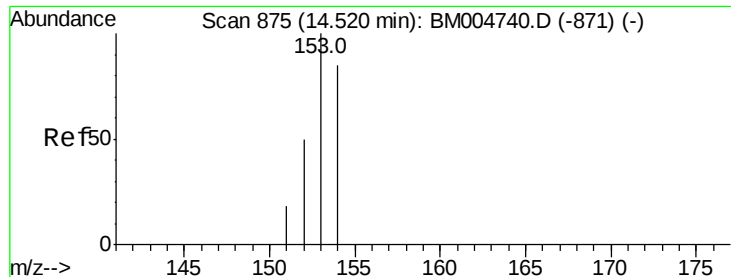
2000

1000

0

Time--> 14.10 14.20 14.30





#10

Acenaphthene

Concen: 0.40 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004749.D

Acq: 23 Mar 2016 04:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.465

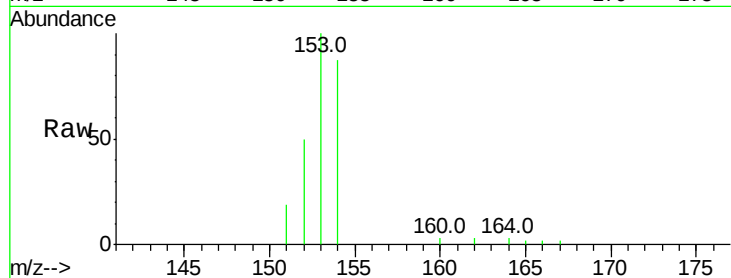
Tot Ion:153 Resp: 3478

Ion Ratio Lower Upper

153 100

152 49.5 33.9 50.9

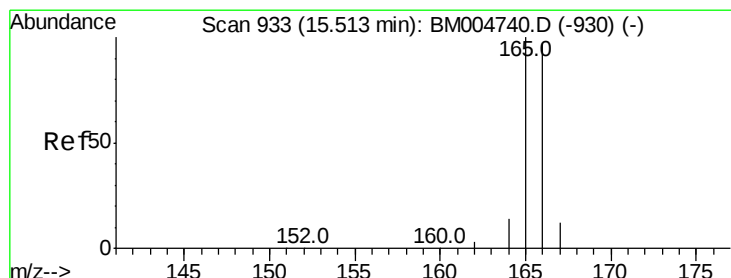
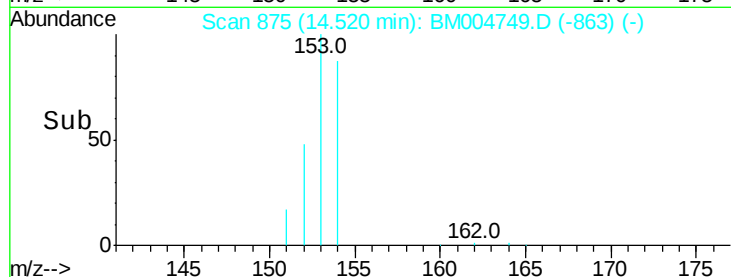
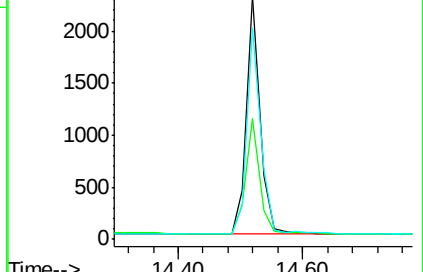
154 87.1 80.6 121.0



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: 0.41 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.00 min

Lab File: BM004749.D

Acq: 23 Mar 2016 04:56

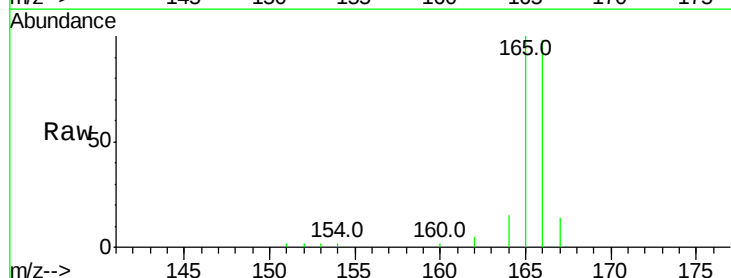
Tgt Ion:166 Resp: 3784

Ion Ratio Lower Upper

166 100

165 102.1 69.6 104.4

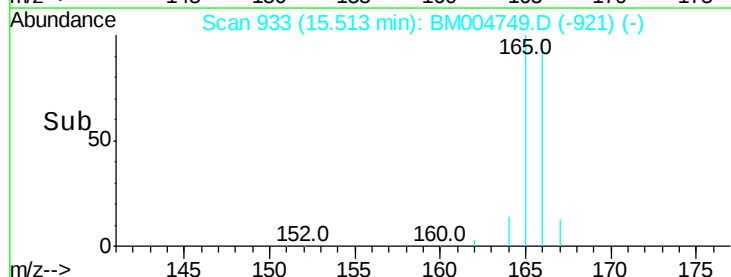
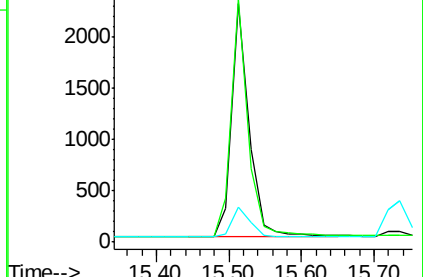
167 14.7 11.9 17.9

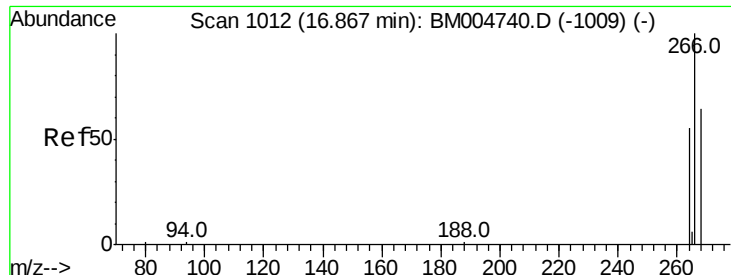


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

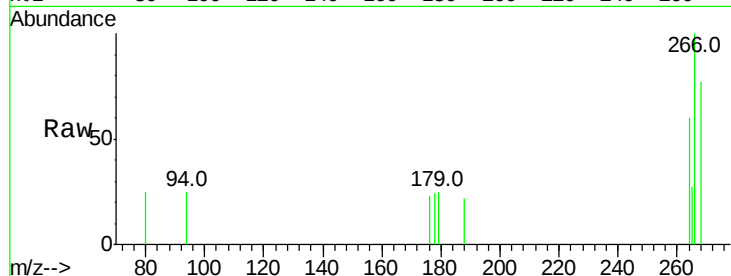




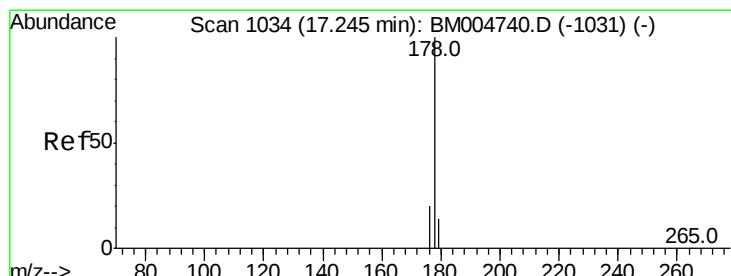
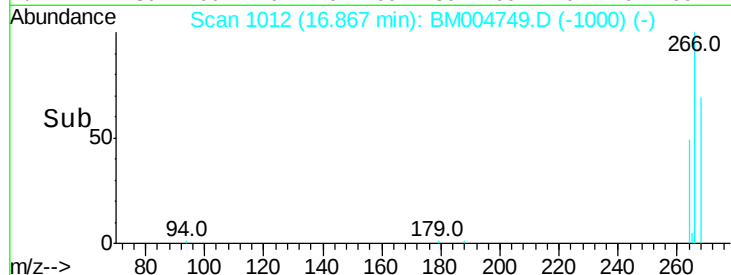
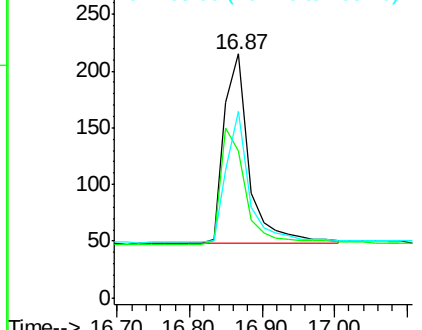
#13
 Pentachlorophenol
 Concen: 0.52 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: BM004749.D
 Acq: 23 Mar 2016 04:56

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.465

Tot Ion:266 Resp: 404
 Ion Ratio Lower Upper
 266 100
 264 61.9 51.8 77.8
 268 63.4 46.8 70.2

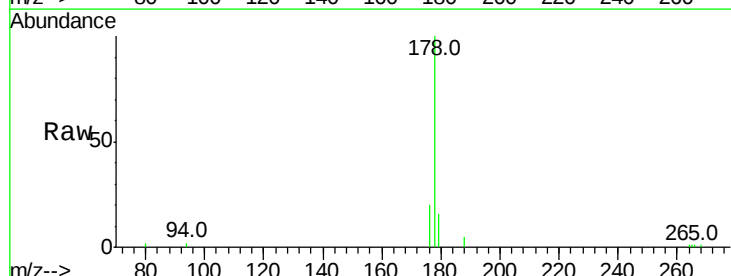


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

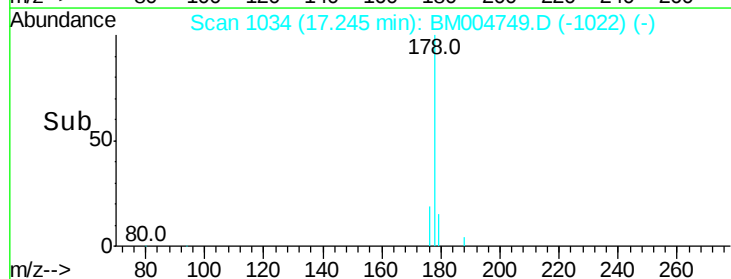
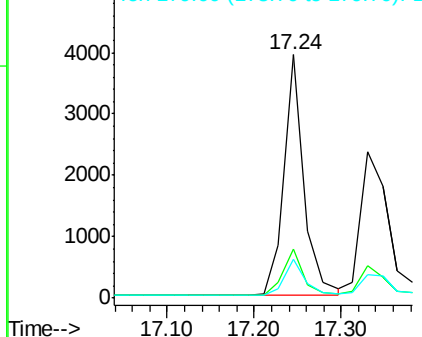


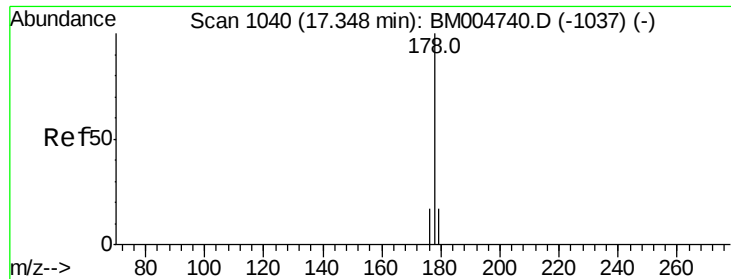
#14
 Phenanthrene
 Concen: 0.39 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: BM004749.D
 Acq: 23 Mar 2016 04:56

Tgt Ion:178 Resp: 6262
 Ion Ratio Lower Upper
 178 100
 176 20.2 13.0 19.4#
 179 16.0 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: 0.48 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.10 min

Lab File: BM004749.D

Acq: 23 Mar 2016 04:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.465

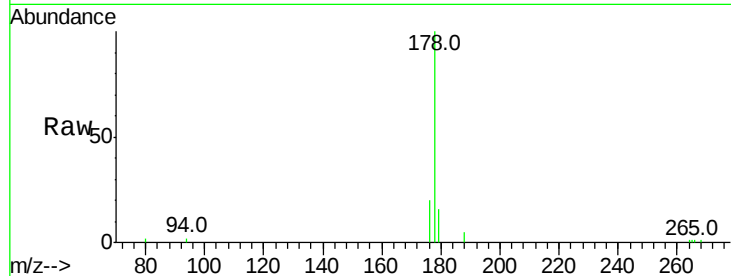
Tot Ion:178 Resp: 6253

Ion Ratio Lower Upper

178 100

176 20.2 14.0 21.0

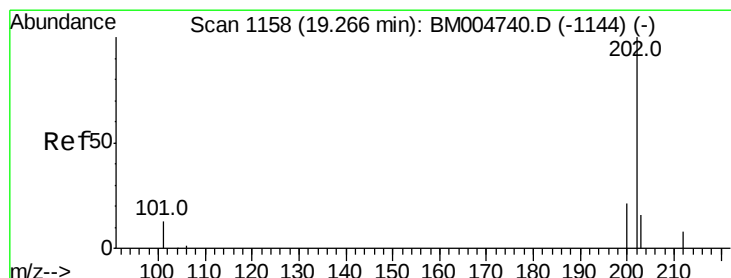
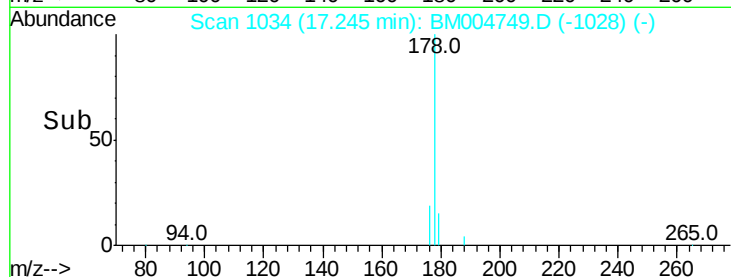
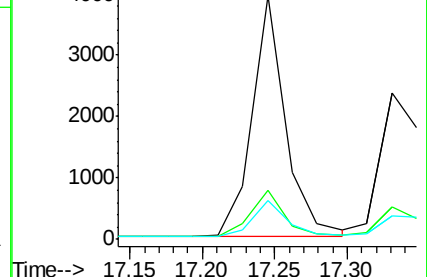
179 16.0 12.9 19.3



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: 0.42 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. 0.01 min

Lab File: BM004749.D

Acq: 23 Mar 2016 04:56

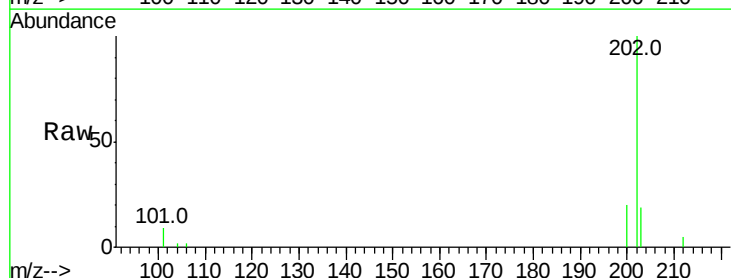
Tgt Ion:202 Resp: 6814

Ion Ratio Lower Upper

202 100

101 8.7 0.0 29.6

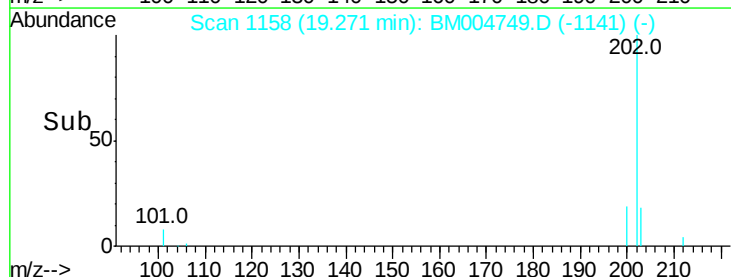
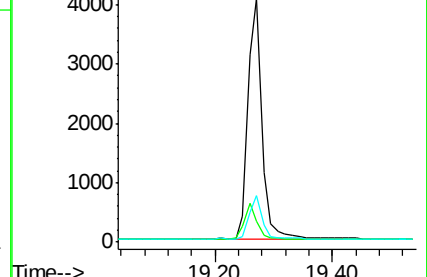
203 19.3 0.0 36.3

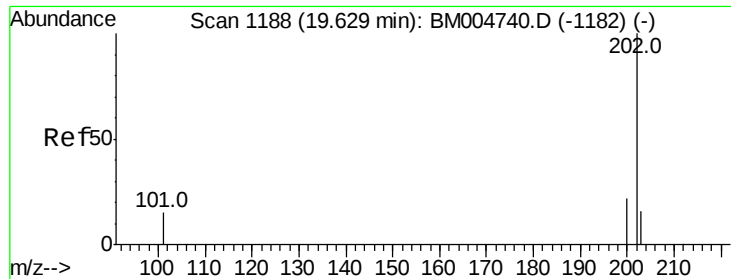


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.38 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. 0.01 min

Lab File: BM004749.D

Acq: 23 Mar 2016 04:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.465

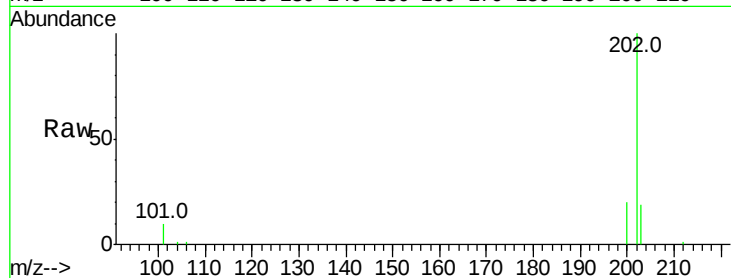
Tot Ion:202 Resp: 7025

Ion Ratio Lower Upper

202 100

200 20.1 17.8 26.8

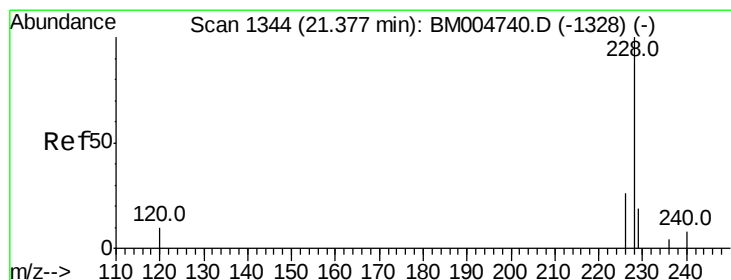
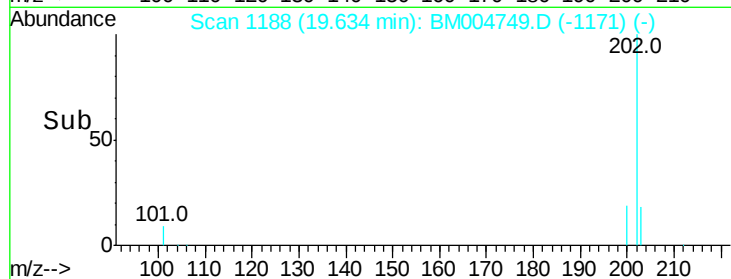
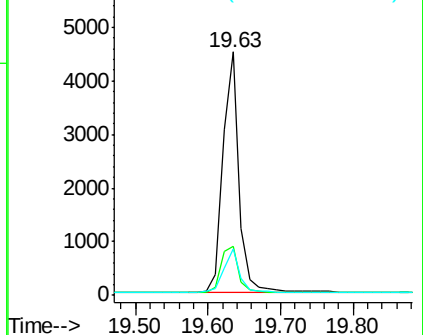
203 19.2 12.8 19.2



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: 0.44 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BM004749.D

Acq: 23 Mar 2016 04:56

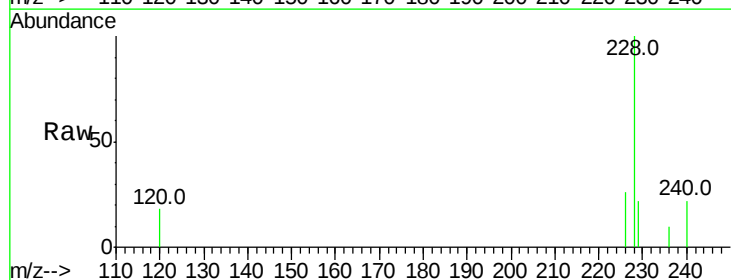
Tgt Ion:228 Resp: 5476

Ion Ratio Lower Upper

228 100

226 25.7 18.8 28.2

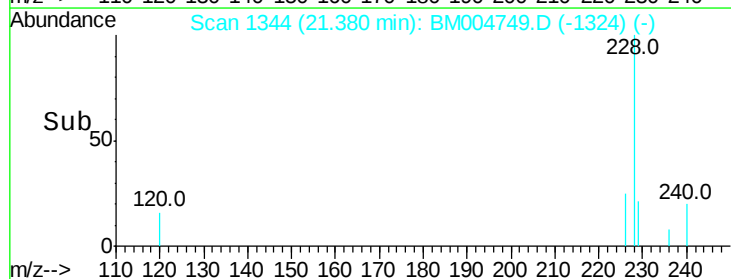
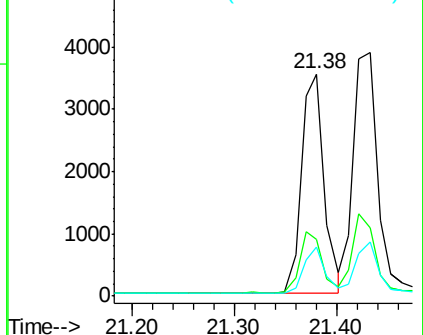
229 21.8 17.1 25.7

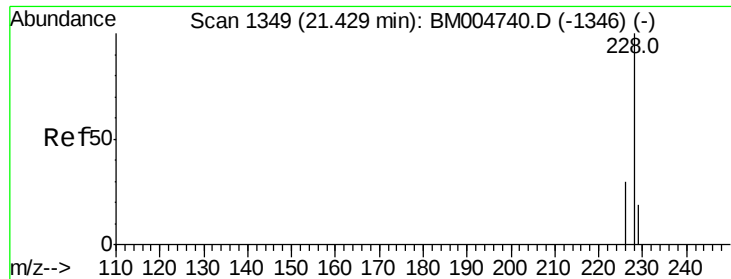


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.38 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BM004749.D

Acq: 23 Mar 2016 04:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.465

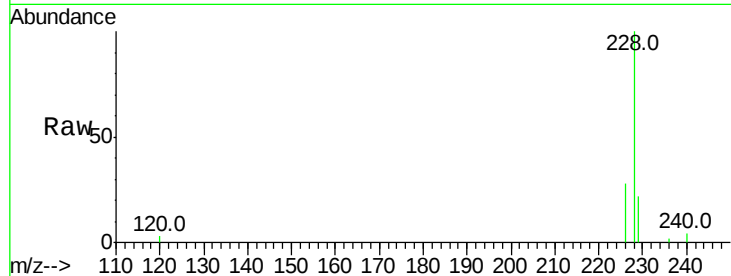
Tot Ion:228 Resp: 6520

Ion Ratio Lower Upper

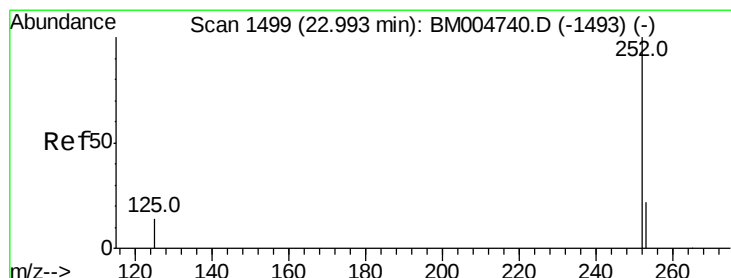
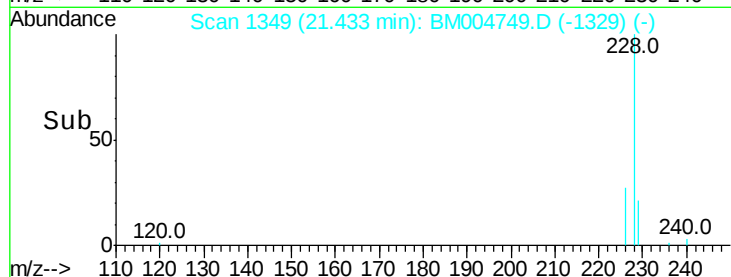
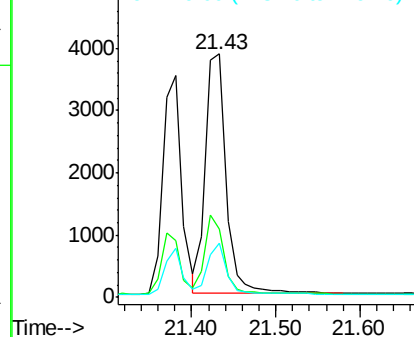
228 100

226 27.8 21.2 31.8

229 22.2 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: 0.40 ng/ul

RT: 22.99 min Scan# 1498

Delta R.T. -0.01 min

Lab File: BM004749.D

Acq: 23 Mar 2016 04:56

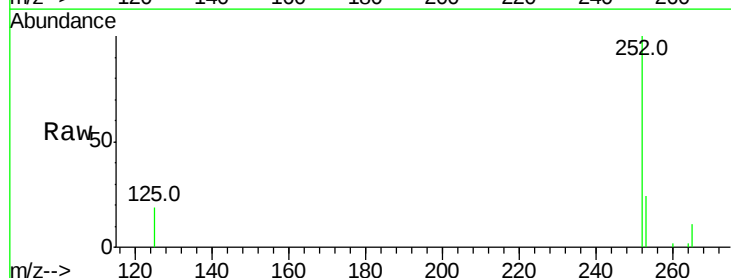
Tgt Ion:252 Resp: 6112

Ion Ratio Lower Upper

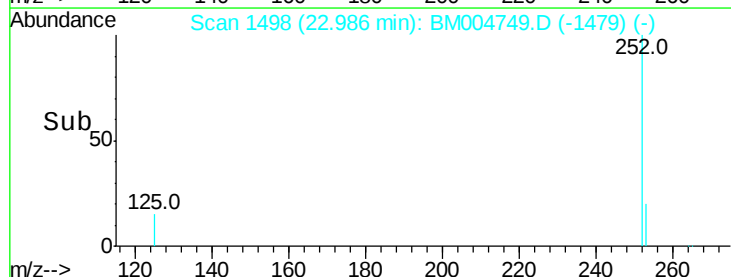
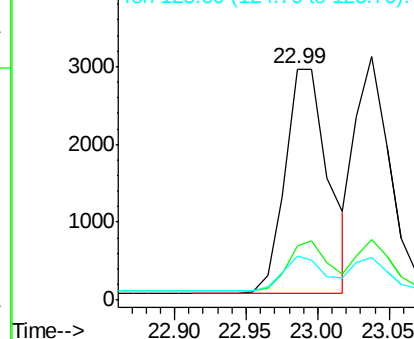
252 100

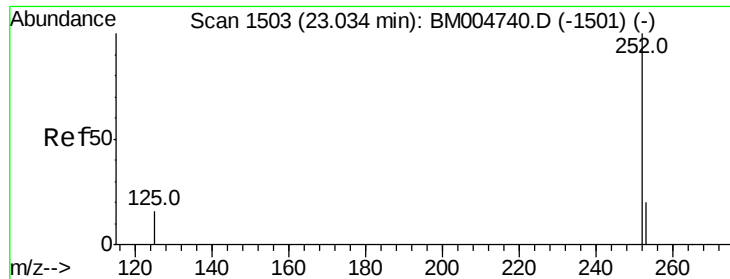
253 23.6 0.0 45.4

125 19.3 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: 0.35 ng/ul

RT: 23.04 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BM004749.D

Acq: 23 Mar 2016 04:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.465

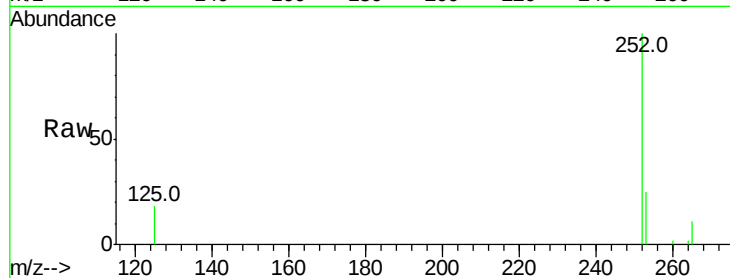
Tot Ion:252 Resp: 5336

Ion Ratio Lower Upper

252 100

253 25.0 19.8 29.8

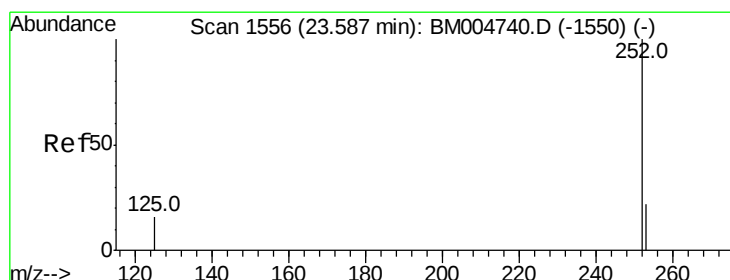
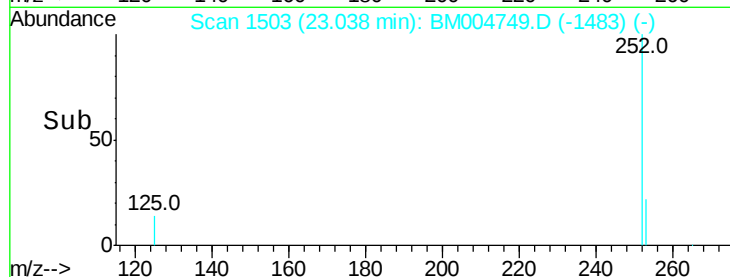
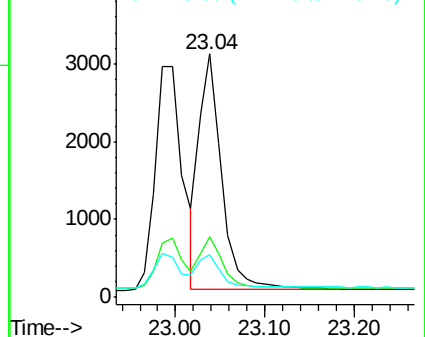
125 17.5 10.4 15.6#



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: 0.40 ng/ul

RT: 23.58 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BM004749.D

Acq: 23 Mar 2016 04:56

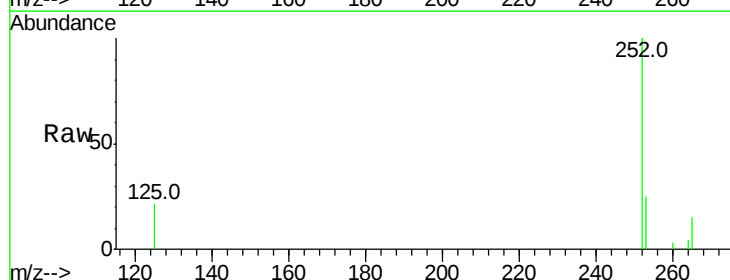
Tgt Ion:252 Resp: 5135

Ion Ratio Lower Upper

252 100

253 25.5 19.4 29.2

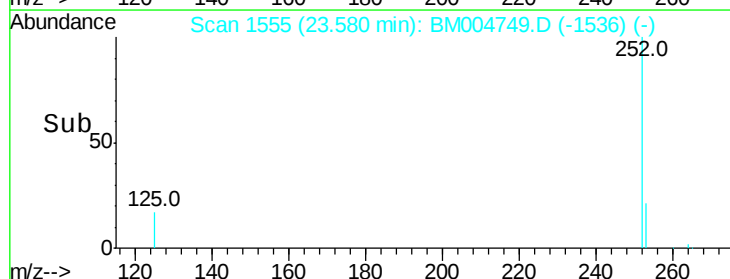
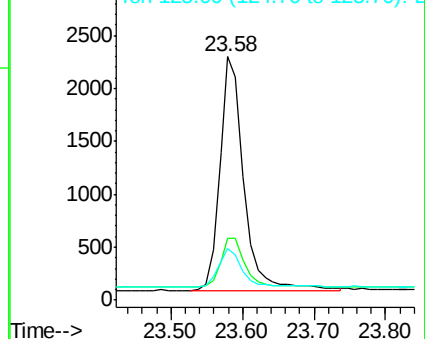
125 21.4 12.7 19.1#

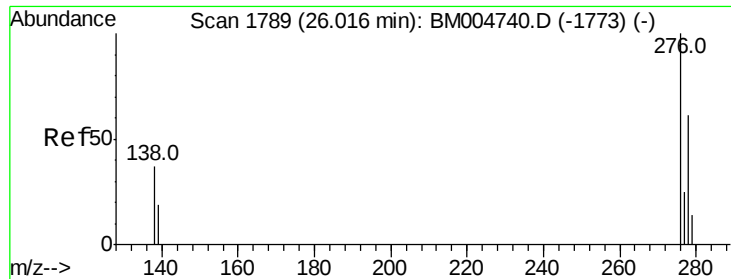


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

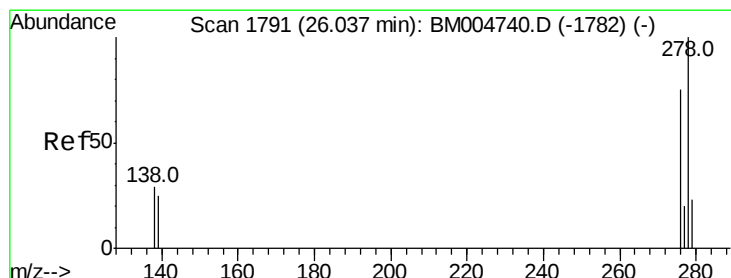
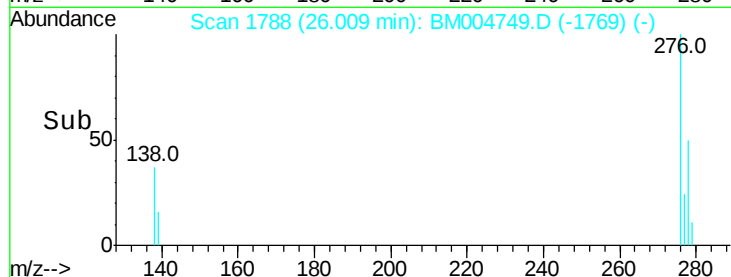
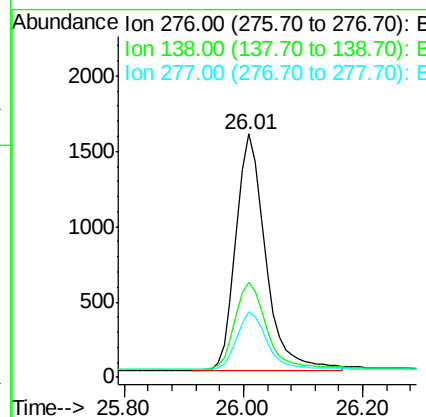
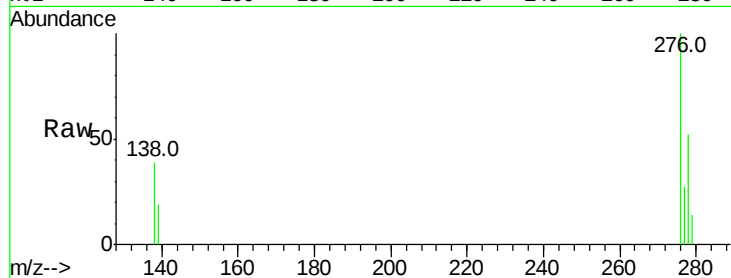




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.39 ng/ul
 RT: 26.01 min Scan# 1788
 Delta R.T. -0.01 min
 Lab File: BM004749.D
 Acq: 23 Mar 2016 04:56

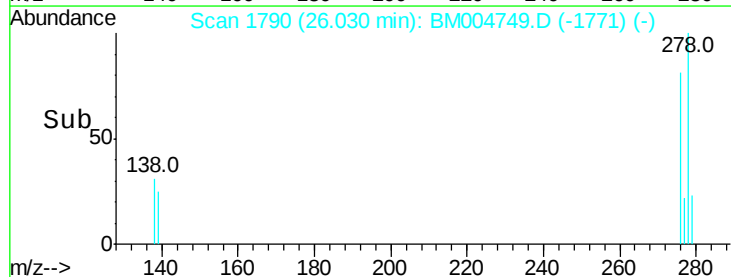
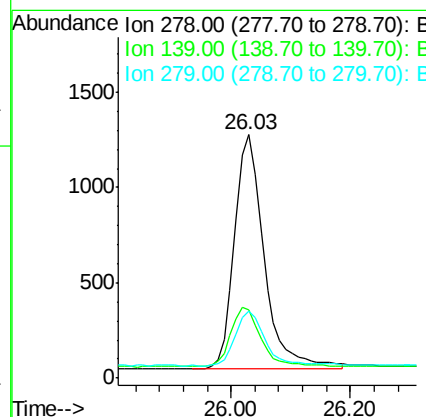
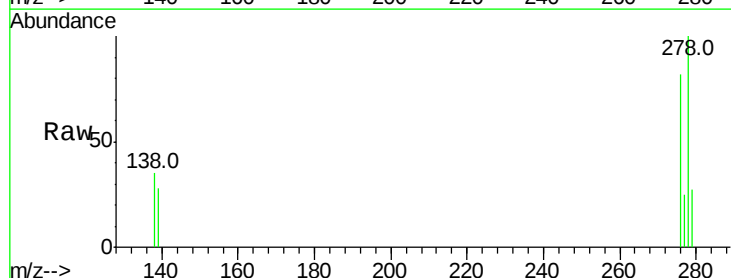
Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.465

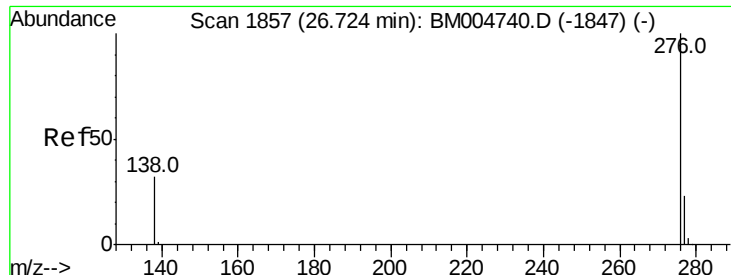
Tot Ion:276 Resp: 5397
 Ion Ratio Lower Upper
 276 100
 138 38.6 16.3 24.5#
 277 25.0 19.8 29.8



#27
 Dibenzo(a,h)anthracene
 Concen: 0.39 ng/ul
 RT: 26.03 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: BM004749.D
 Acq: 23 Mar 2016 04:56

Tgt Ion:278 Resp: 4225
 Ion Ratio Lower Upper
 278 100
 139 28.3 16.4 24.6#
 279 27.5 20.2 30.2





#28

Benzo(a,h,i)perylene

Concen: 0.37 ng/ul

RT: 26.72 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM004749.D

Acq: 23 Mar 2016 04:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.465

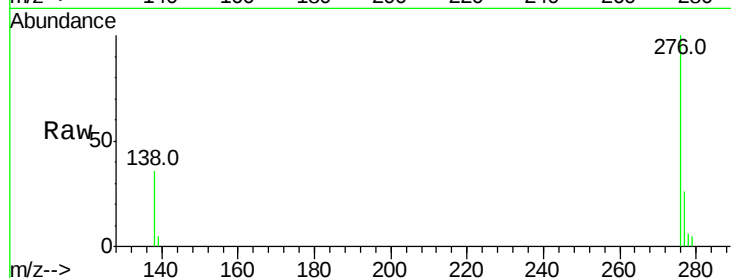
Tot Ion:276 Resp: 4881

Ion Ratio Lower Upper

276 100

277 25.9 18.9 28.3

138 36.2 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

