

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102516\
 Data File : BM007725.D
 Acq On : 24 Oct 2016 20:02
 Operator : UM/SJ
 Sample : SSTD0.256
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.256

Quant Time: Oct 25 01:46:30 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 25 01:45:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	910	0.40	ng/ul	0.00
2) Naphthalene-d8	10.56	136	2978	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.40	164	1474	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.14	188	3271	0.40	ng/ul	0.00
16) Chrysene-d12	21.34	240	3609	0.40	ng/ul	0.01
20) Perylene-d12	23.59	264	3552	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.17	152	700	0.20	ng/ul	0.02
14) Fluoranthene-d10	19.18	212	1450	0.19	ng/ul	0.00

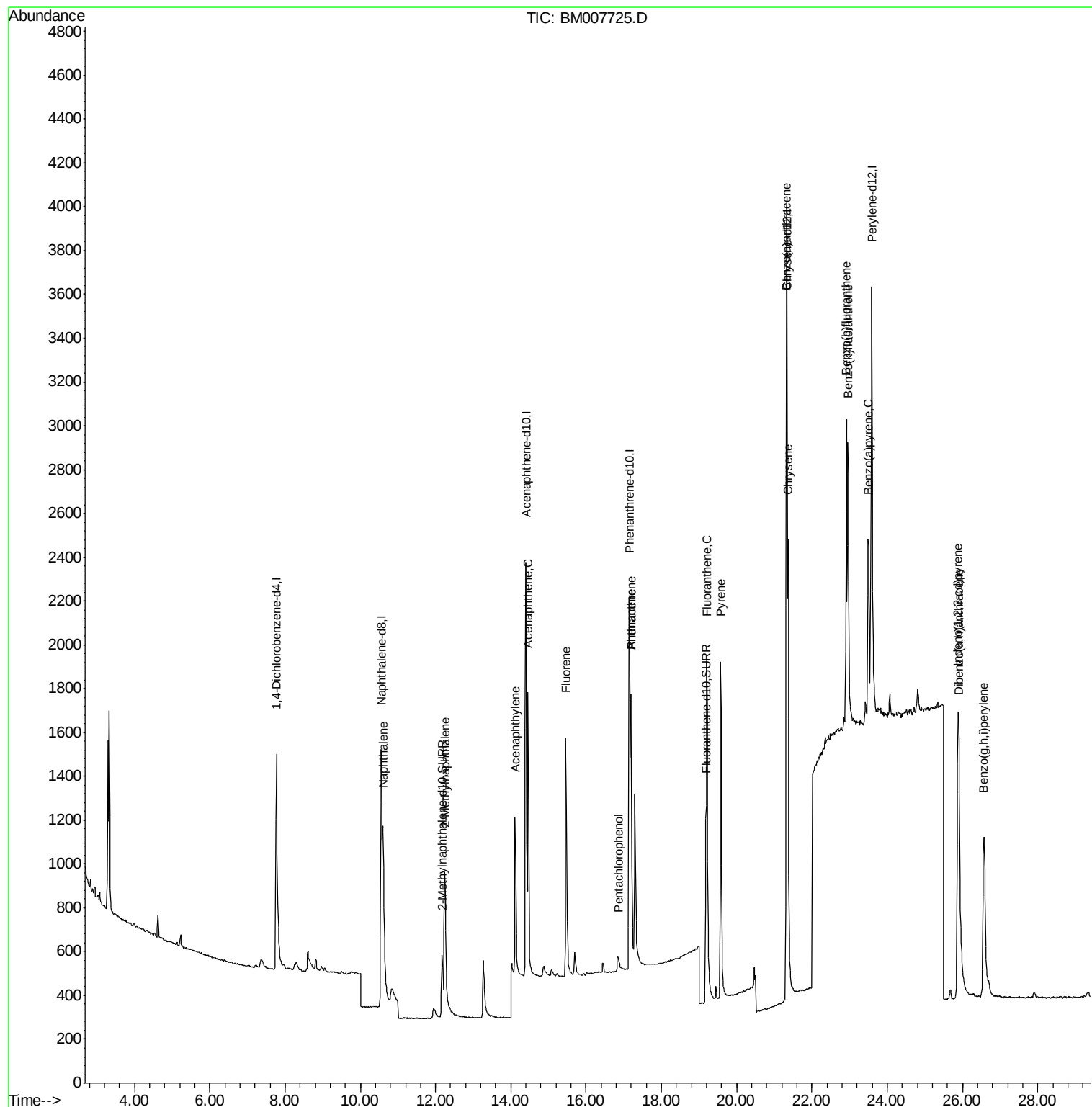
Target Compounds				Qvalue		
3) Naphthalene	10.61	128	1534	0.22	ng/ul#	87
5) 2-Methylnaphthalene	12.25	142	945	0.20	ng/ul	99
7) Acenaphthylene	14.11	152	1334	0.21	ng/ul#	90
8) Acenaphthene	14.45	153	1025	0.20	ng/ul	93
9) Fluorene	15.46	166	1123	0.19	ng/ul	85
11) Pentachlorophenol	16.85	266	127	0.15	ng/ul	94
12) Phenanthrene	17.19	178	1770	0.20	ng/ul#	95
13) Anthracene	17.19	178	1770	0.22	ng/ul	96
15) Fluoranthene	19.21	202	2122	0.19	ng/ul	92
17) Pyrene	19.57	202	2211	0.18	ng/ul	94
18) Benzo(a)anthracene	21.33	228	1868	0.17	ng/ul	97
19) Chrysene	21.37	228	2149	0.18	ng/ul	97
21) Benzo(b)fluoranthene	22.91	252	2132	0.17	ng/ul	87
22) Benzo(k)fluoranthene	22.95	252	2314	0.19	ng/ul#	82
23) Benzo(a)pyrene	23.49	252	2094	0.18	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	25.88	276	2463	0.20	ng/ul	100
25) Dibenzo(a,h)anthracene	25.90	278	1973	0.21	ng/ul#	86
26) Benzo(g,h,i)perylene	26.57	276	2278	0.21	ng/ul	93

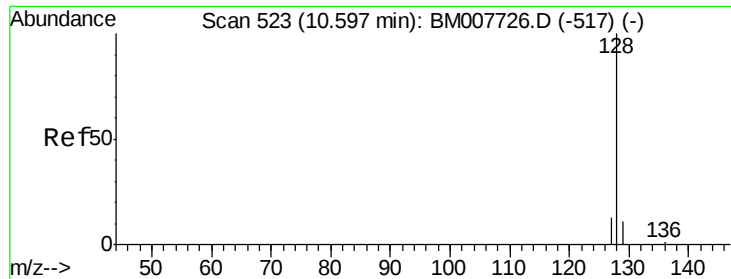
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 25 01:46:30 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
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QLast Update : Tue Oct 25 01:45:49 2016
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#3

Naphthalene

Concen: 0.22 ng/ul

RT: 10.61 min Scan# 524

Delta R.T. 0.01 min

Lab File: BM007725.D

Acq: 24 Oct 2016 20:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.256

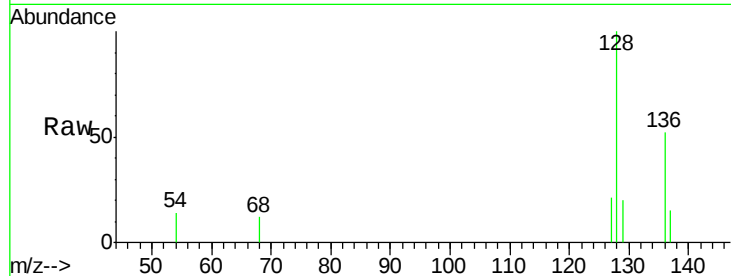
Tgt Ion:128 Resp: 1534

Ion Ratio Lower Upper

128 100

129 19.7 11.3 16.9#

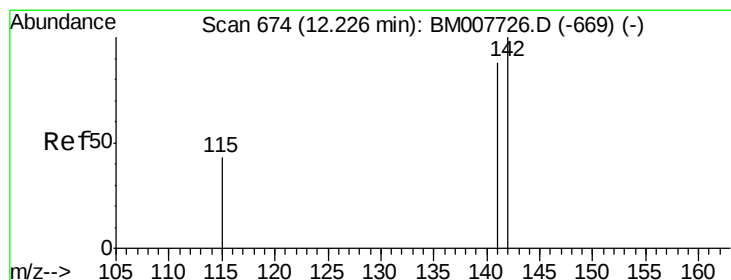
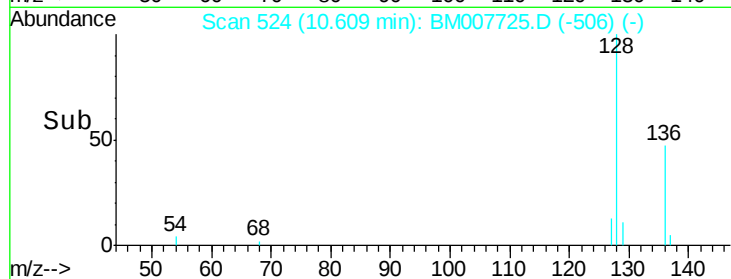
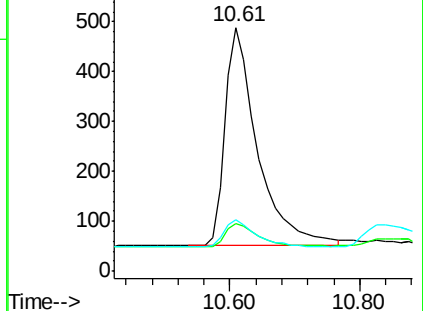
127 21.3 12.8 19.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.20 ng/ul

RT: 12.25 min Scan# 676

Delta R.T. 0.02 min

Lab File: BM007725.D

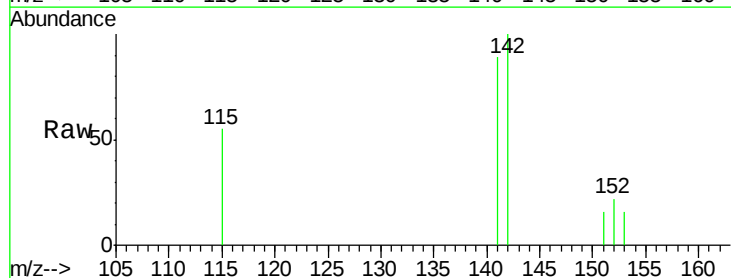
Acq: 24 Oct 2016 20:02

Tgt Ion:142 Resp: 945

Ion Ratio Lower Upper

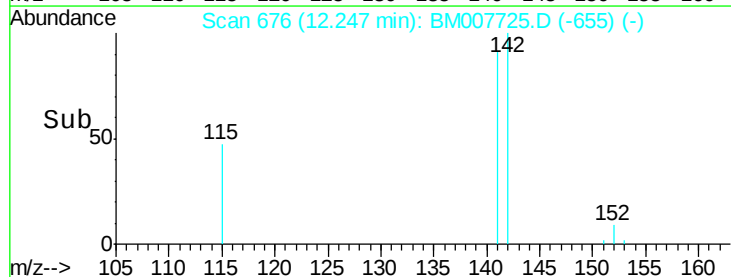
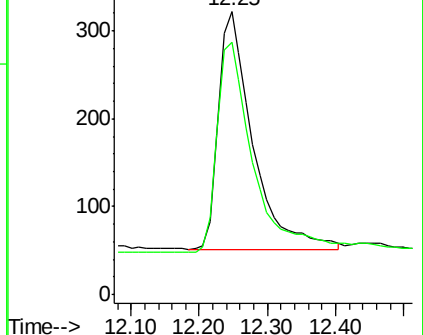
142 100

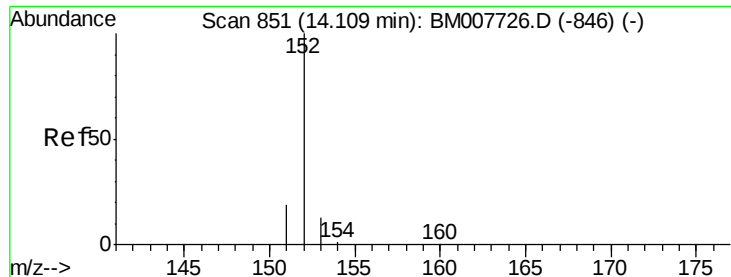
141 91.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.21 ng/ul

RT: 14.11 min Scan# 851

Delta R.T. 0.00 min

Lab File: BM007725.D

Acq: 24 Oct 2016 20:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.256

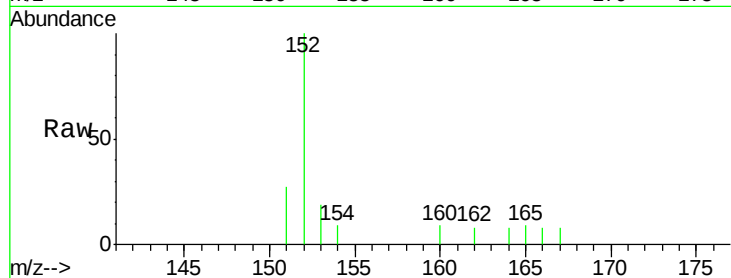
Tgt Ion:152 Resp: 1334

Ion Ratio Lower Upper

152 100

151 27.2 17.1 25.7#

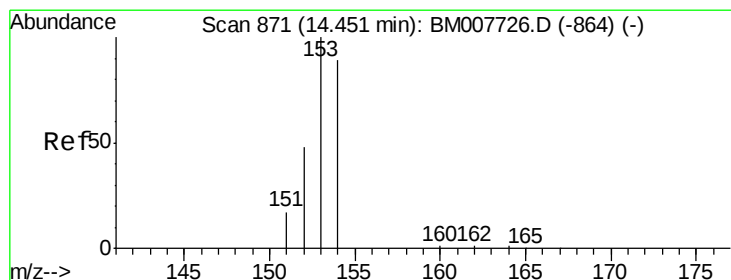
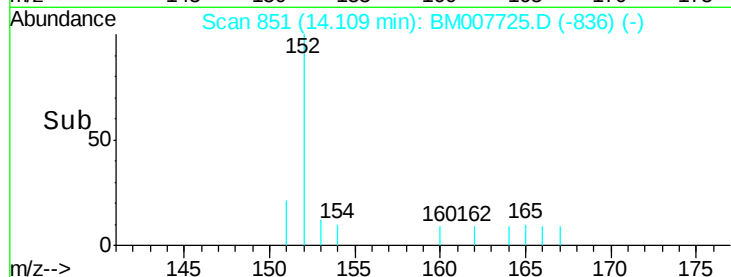
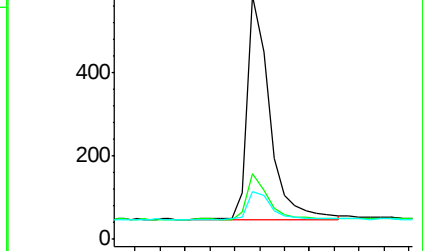
153 19.3 12.8 19.2#



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



#8

Acenaphthene

Concen: 0.20 ng/ul

RT: 14.45 min Scan# 871

Delta R.T. 0.00 min

Lab File: BM007725.D

Acq: 24 Oct 2016 20:02

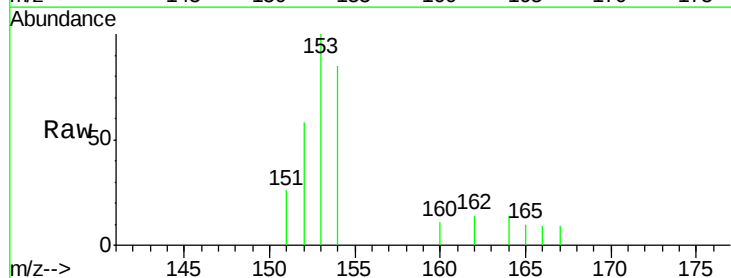
Tgt Ion:153 Resp: 1025

Ion Ratio Lower Upper

153 100

152 58.4 40.3 60.5

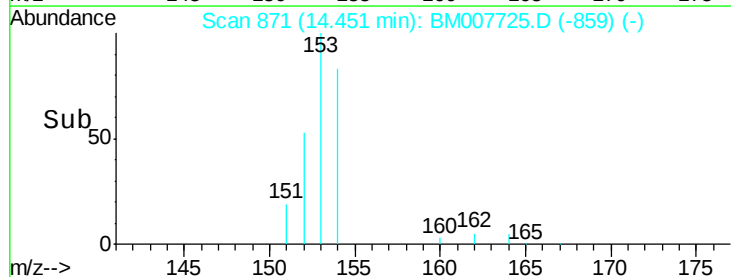
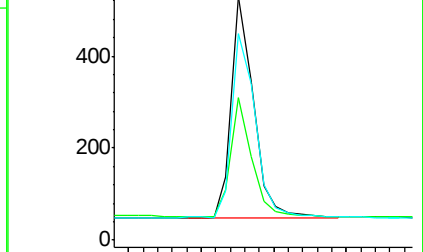
154 84.7 71.4 107.2

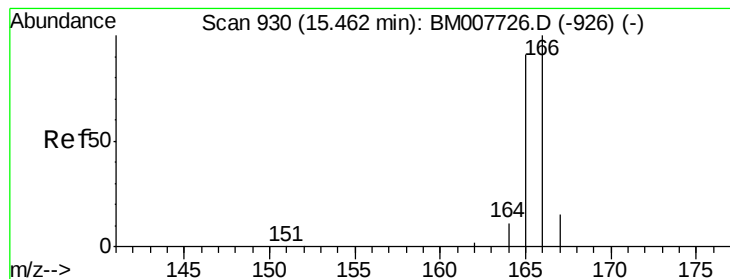


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.19 ng/ul

RT: 15.46 min Scan# 930

Delta R.T. 0.00 min

Lab File: BM007725.D

Acq: 24 Oct 2016 20:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.256

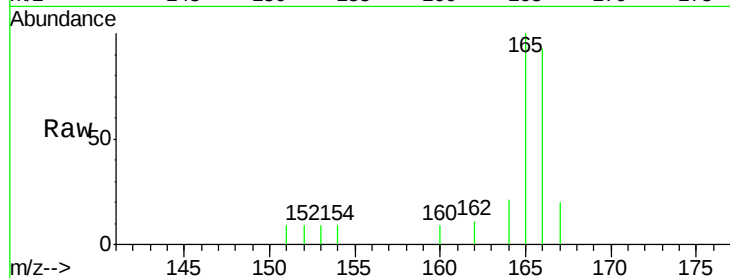
Tgt Ion:166 Resp: 1123

Ion Ratio Lower Upper

166 100

165 107.3 73.4 110.2

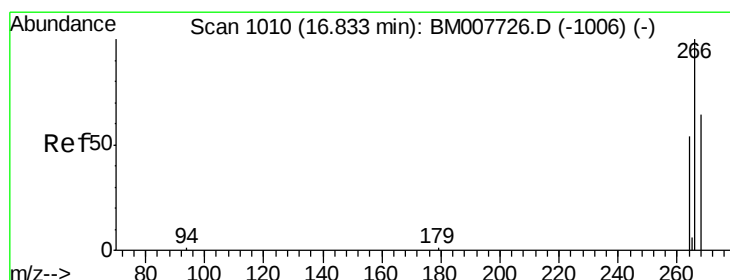
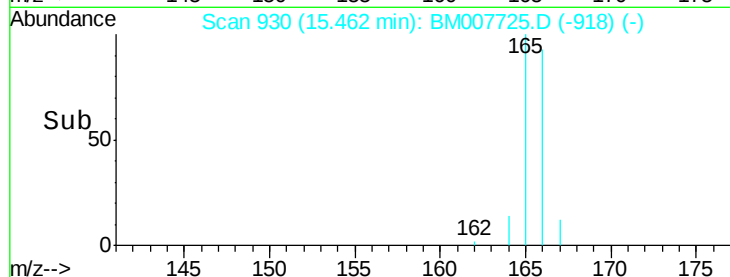
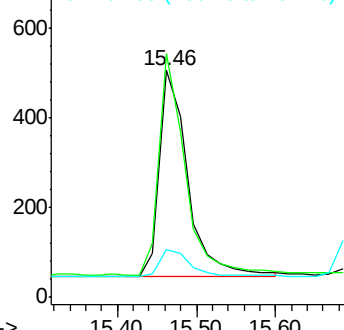
167 21.0 14.6 22.0



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



#11

Pentachlorophenol

Concen: 0.15 ng/ul

RT: 16.85 min Scan# 1011

Delta R.T. 0.02 min

Lab File: BM007725.D

Acq: 24 Oct 2016 20:02

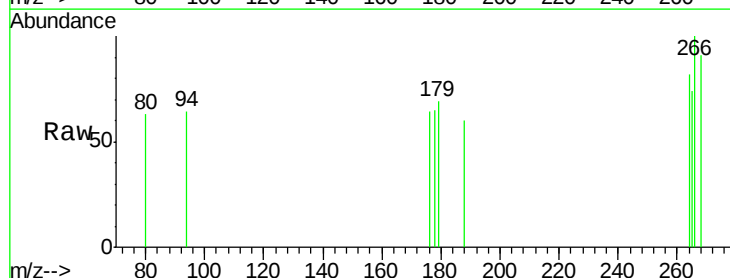
Tgt Ion:266 Resp: 127

Ion Ratio Lower Upper

266 100

264 67.7 47.9 71.9

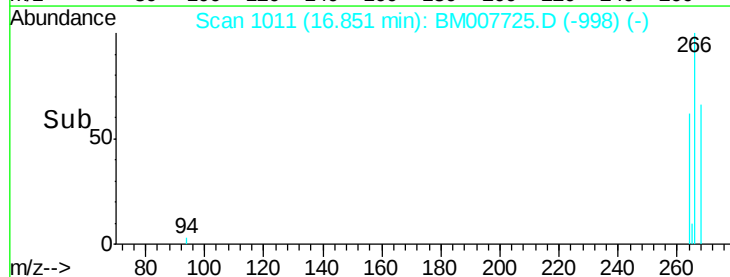
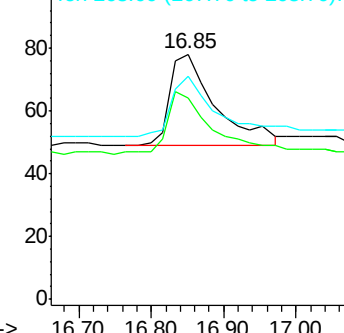
268 60.6 49.8 74.8

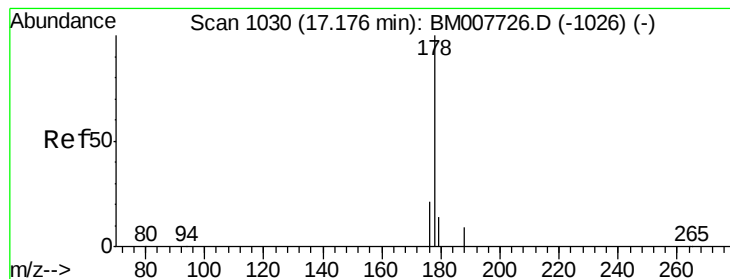


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.20 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. 0.02 min

Lab File: BM007725.D

Acq: 24 Oct 2016 20:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.256

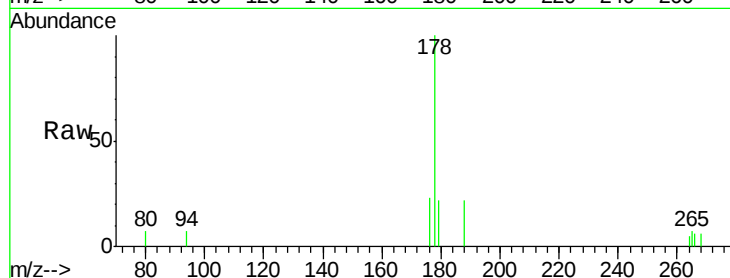
Tgt Ion:178 Resp: 1770

Ion Ratio Lower Upper

178 100

176 23.2 18.4 27.6

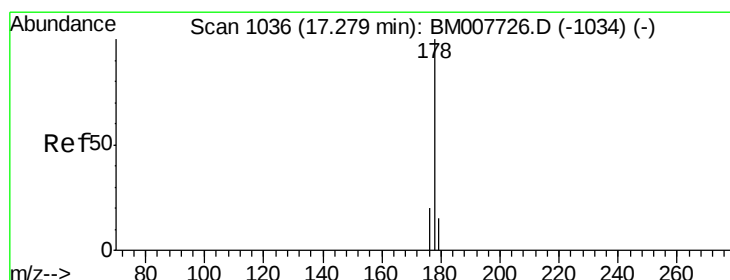
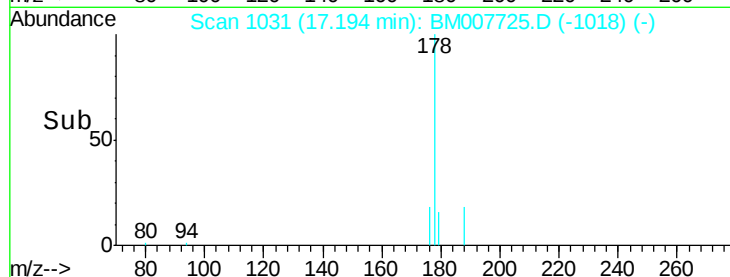
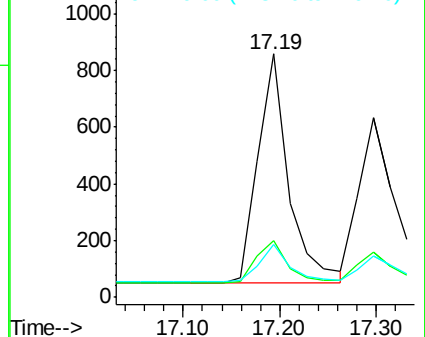
179 21.5 13.6 20.4#



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



#13

Anthracene

Concen: 0.22 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. -0.09 min

Lab File: BM007725.D

Acq: 24 Oct 2016 20:02

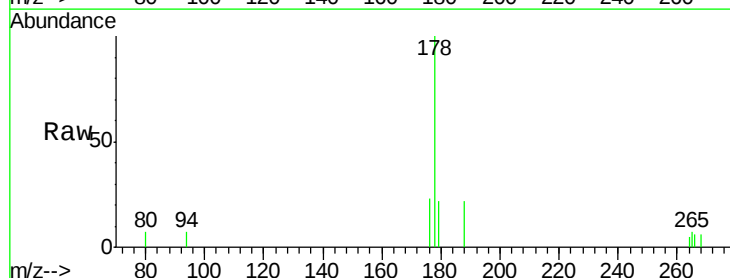
Tgt Ion:178 Resp: 1770

Ion Ratio Lower Upper

178 100

176 23.2 18.1 27.1

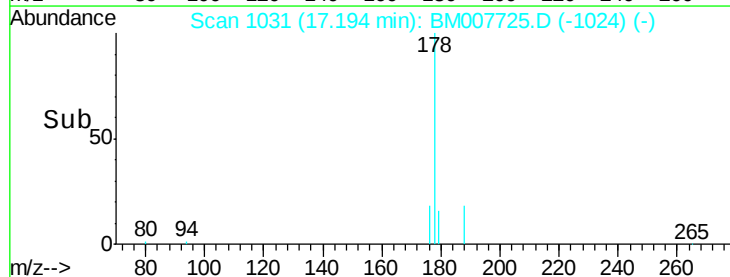
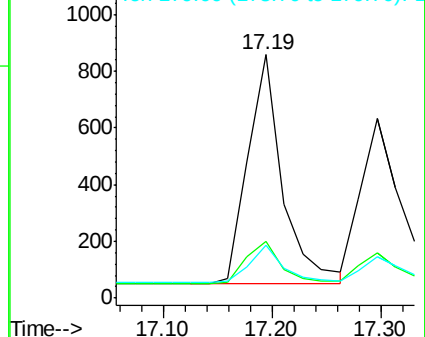
179 21.5 14.7 22.1

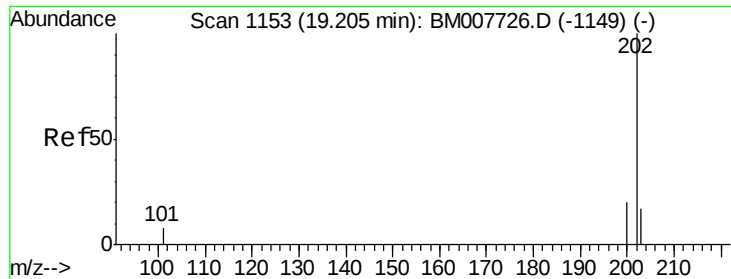


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.19 ng/ul

RT: 19.21 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BM007725.D

Acq: 24 Oct 2016 20:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.256

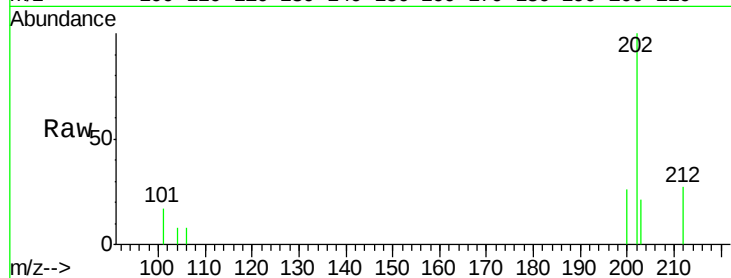
Tgt Ion:202 Resp: 2122

Ion Ratio Lower Upper

202 100

101 16.7 0.0 30.3

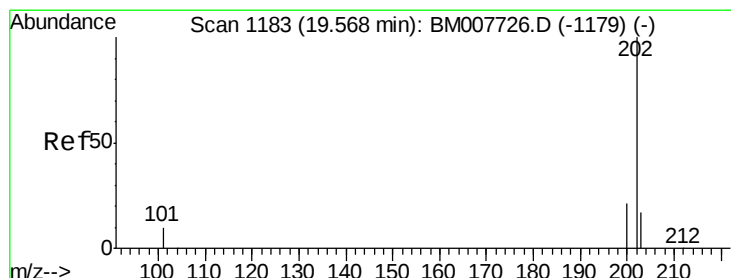
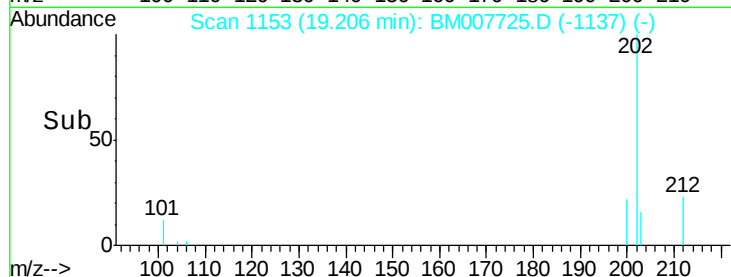
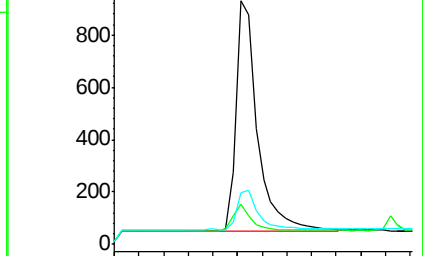
203 21.3 0.0 39.5



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



#17

Pyrene

Concen: 0.18 ng/ul

RT: 19.57 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BM007725.D

Acq: 24 Oct 2016 20:02

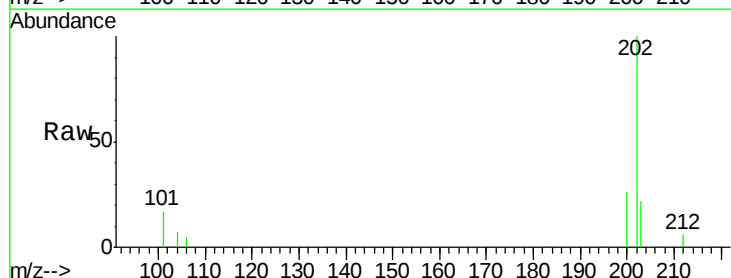
Tgt Ion:202 Resp: 2211

Ion Ratio Lower Upper

202 100

200 25.7 18.2 27.4

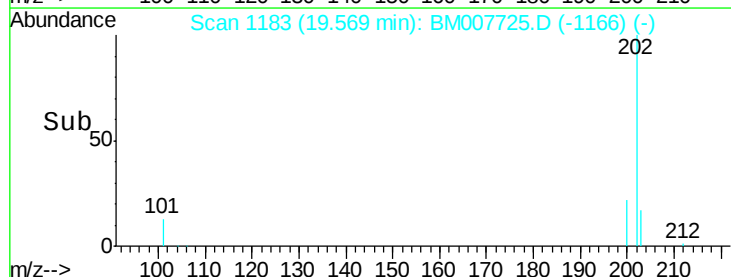
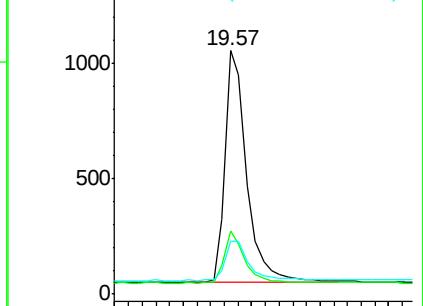
203 21.9 15.6 23.4

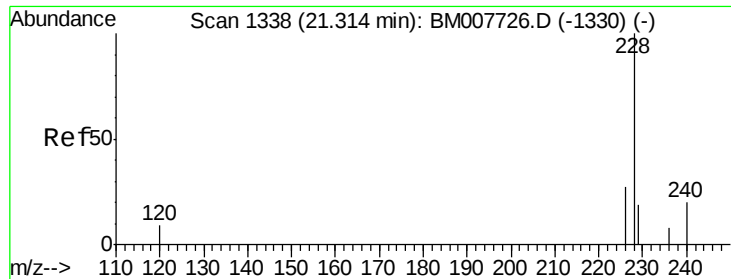


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.17 ng/ul

RT: 21.33 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BM007725.D

Acq: 24 Oct 2016 20:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.256

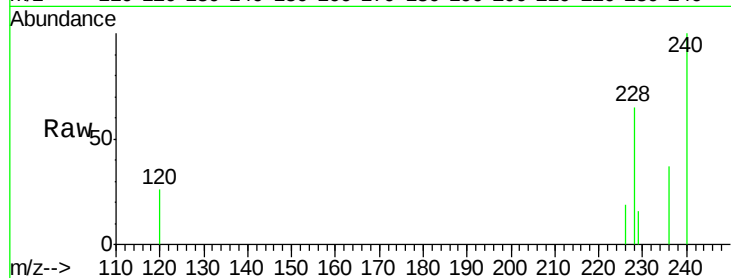
Tgt Ion:228 Resp: 1868

Ion Ratio Lower Upper

228 100

226 29.1 22.8 34.2

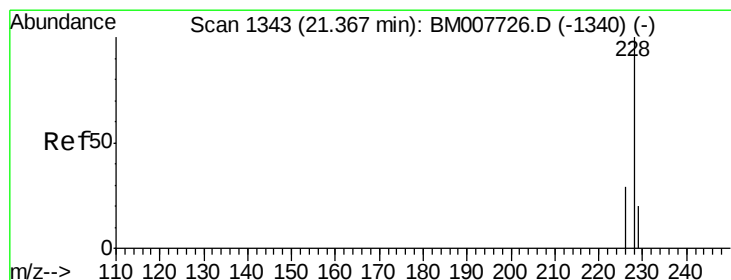
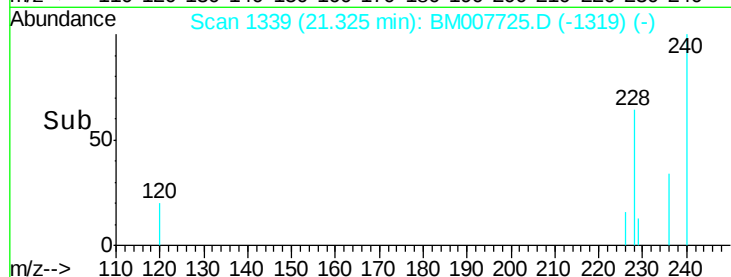
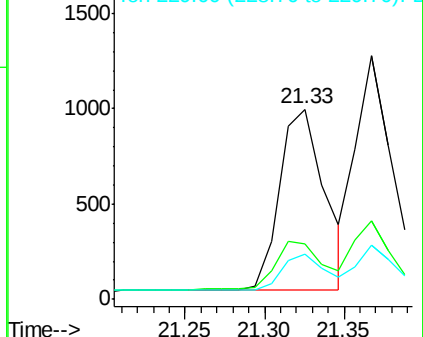
229 23.7 17.0 25.6



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



#19

Chrysene

Concen: 0.18 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BM007725.D

Acq: 24 Oct 2016 20:02

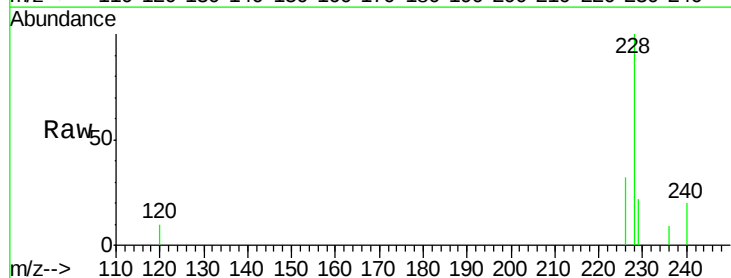
Tgt Ion:228 Resp: 2149

Ion Ratio Lower Upper

228 100

226 32.1 23.4 35.0

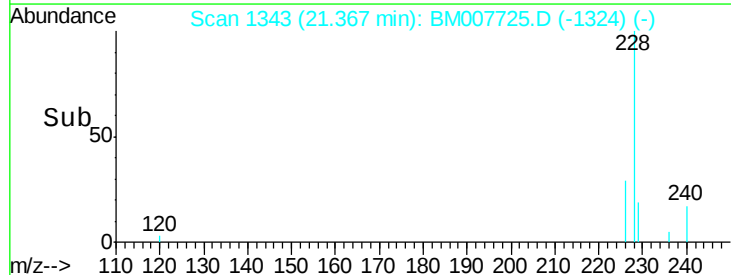
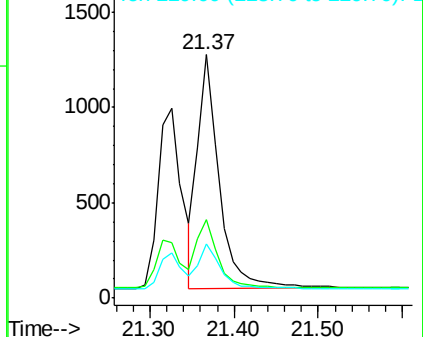
229 22.2 17.7 26.5

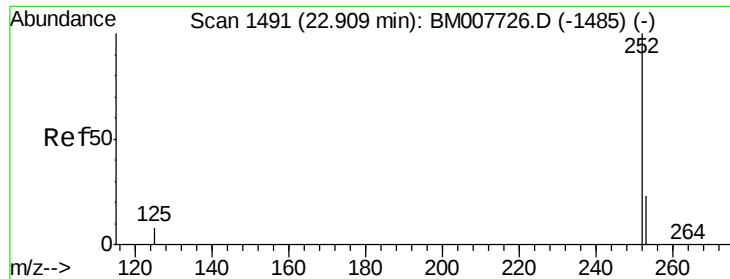


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.17 ng/u1

RT: 22.91 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BM007725.D

Acq: 24 Oct 2016 20:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.256

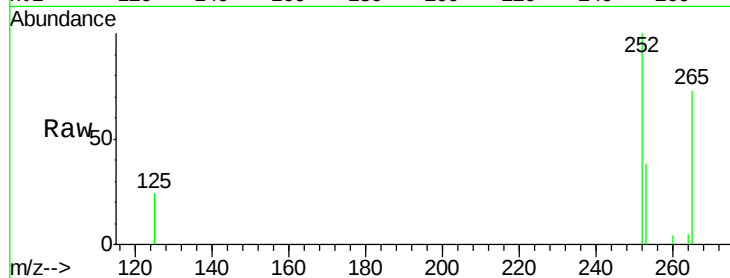
Tgt Ion:252 Resp: 2132

Ion Ratio Lower Upper

252 100

253 38.5 0.0 64.2

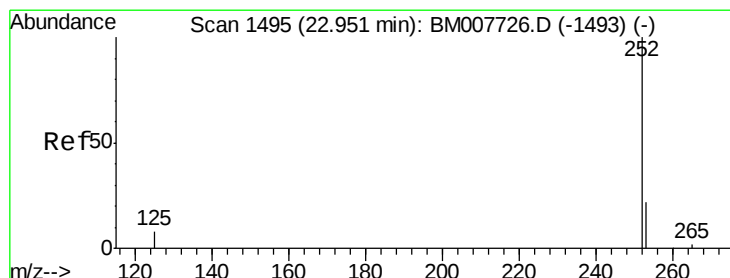
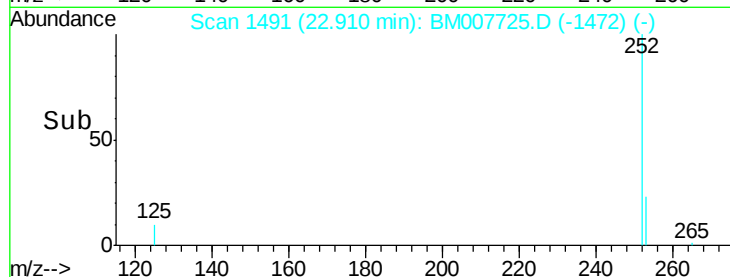
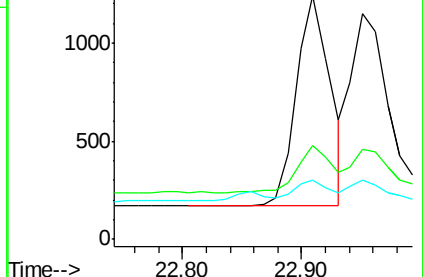
125 24.1 0.0 35.0



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



#22

Benzo(k)fluoranthene

Concen: 0.19 ng/u1

RT: 22.95 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BM007725.D

Acq: 24 Oct 2016 20:02

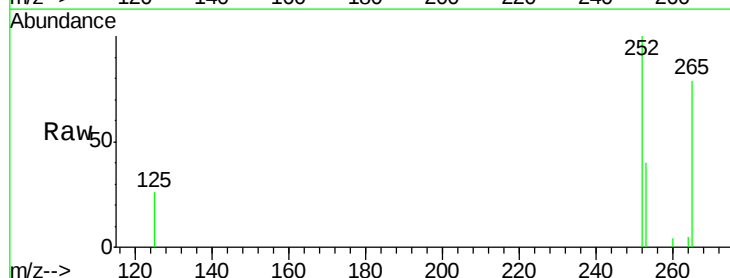
Tgt Ion:252 Resp: 2314

Ion Ratio Lower Upper

252 100

253 39.8 24.5 36.7#

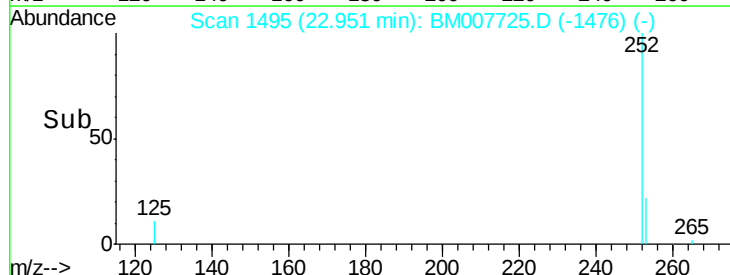
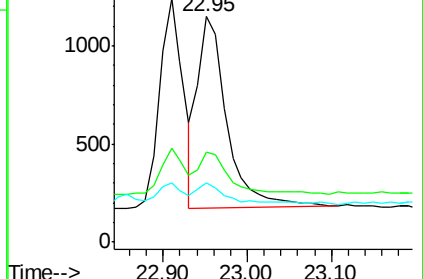
125 26.2 13.7 20.5#

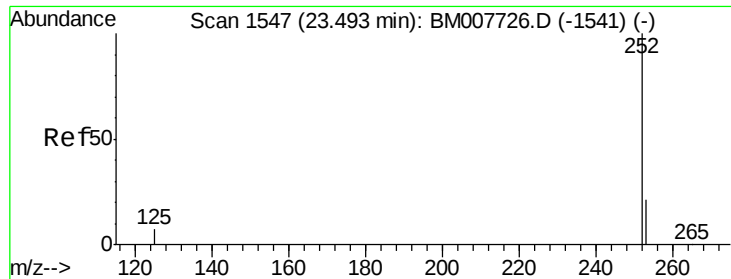


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.18 ng/ul

RT: 23.49 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BM007725.D

Acq: 24 Oct 2016 20:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.256

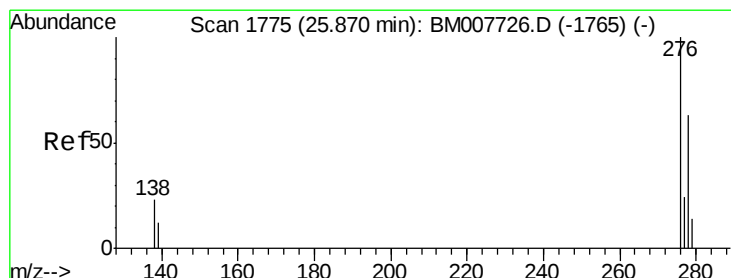
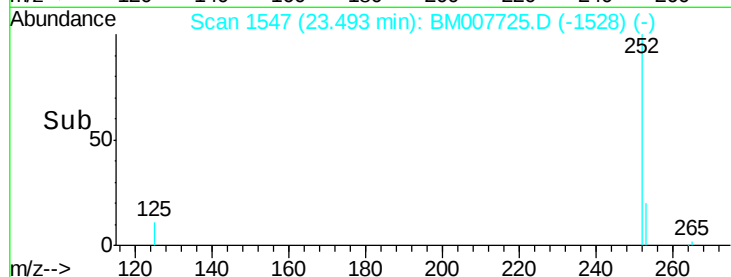
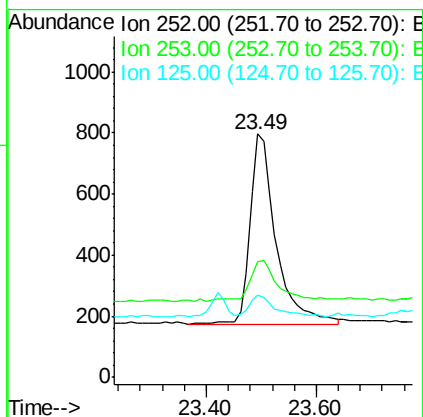
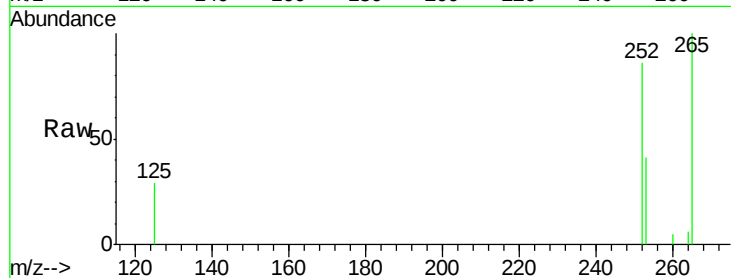
Tgt Ion:252 Resp: 2094

Ion Ratio Lower Upper

252 100

253 47.7 28.5 42.7#

125 33.9 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.20 ng/ul

RT: 25.88 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BM007725.D

Acq: 24 Oct 2016 20:02

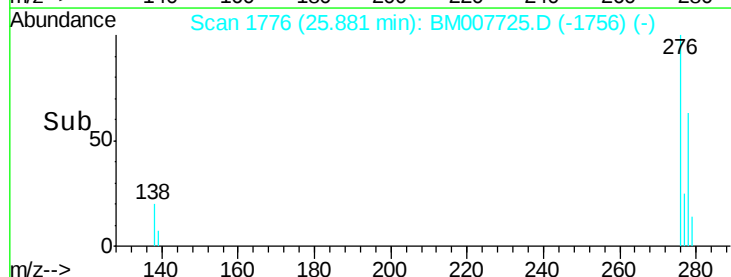
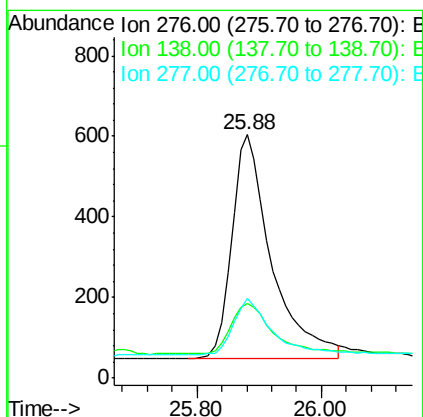
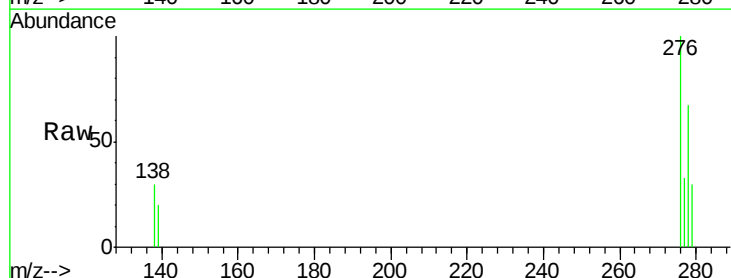
Tgt Ion:276 Resp: 2463

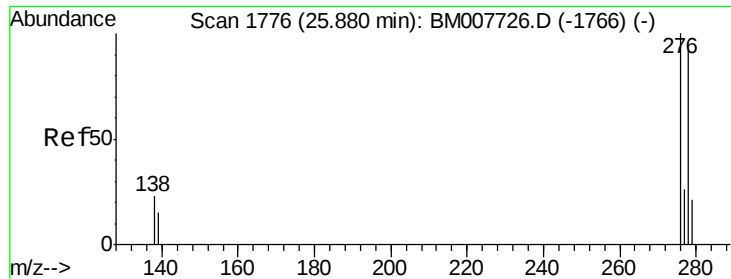
Ion Ratio Lower Upper

276 100

138 23.8 19.1 28.7

277 24.8 19.6 29.4

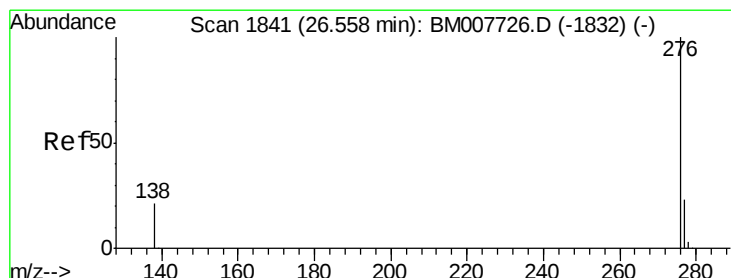
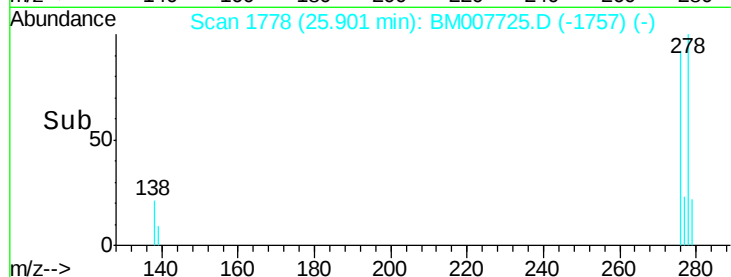
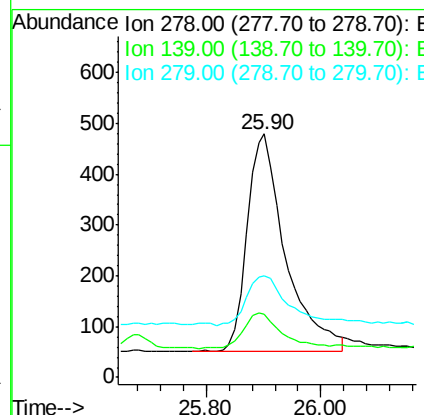
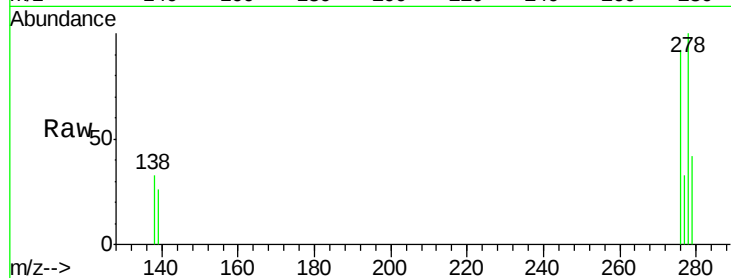




#25
Dibenzo(a,h)anthracene
Concen: 0.21 ng/ul
RT: 25.90 min Scan# 1778
Delta R.T. 0.02 min
Lab File: BM007725.D
Acq: 24 Oct 2016 20:02

Instrument :
BNA_M
ClientSampleId :
SSTD0.256

Tgt Ion: 278 Resp: 1973
Ion Ratio Lower Upper
278 100
139 26.1 17.4 26.0#
279 42.0 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.21 ng/ul
RT: 26.57 min Scan# 1842
Delta R.T. 0.01 min
Lab File: BM007725.D
Acq: 24 Oct 2016 20:02

Tgt Ion: 276 Resp: 2278
Ion Ratio Lower Upper
276 100
277 31.1 21.8 32.8
138 28.9 20.5 30.7

