

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102516\
 Data File : BM007724.D
 Acq On : 24 Oct 2016 19:26
 Operator : UM/SJ
 Sample : SSTD0.155
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.155

Quant Time: Oct 25 01:46:20 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	1192	0.40	ng/ul	0.00
2) Naphthalene-d8	10.56	136	3937	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.40	164	2014	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.16	188	4404	0.40	ng/ul	0.02
16) Chrysene-d12	21.34	240	4770	0.40	ng/ul	0.01
20) Perylene-d12	23.59	264	4420	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.18	152	445	0.10	ng/ul	0.03
14) Fluoranthene-d10	19.19	212	894	0.09	ng/ul	0.01

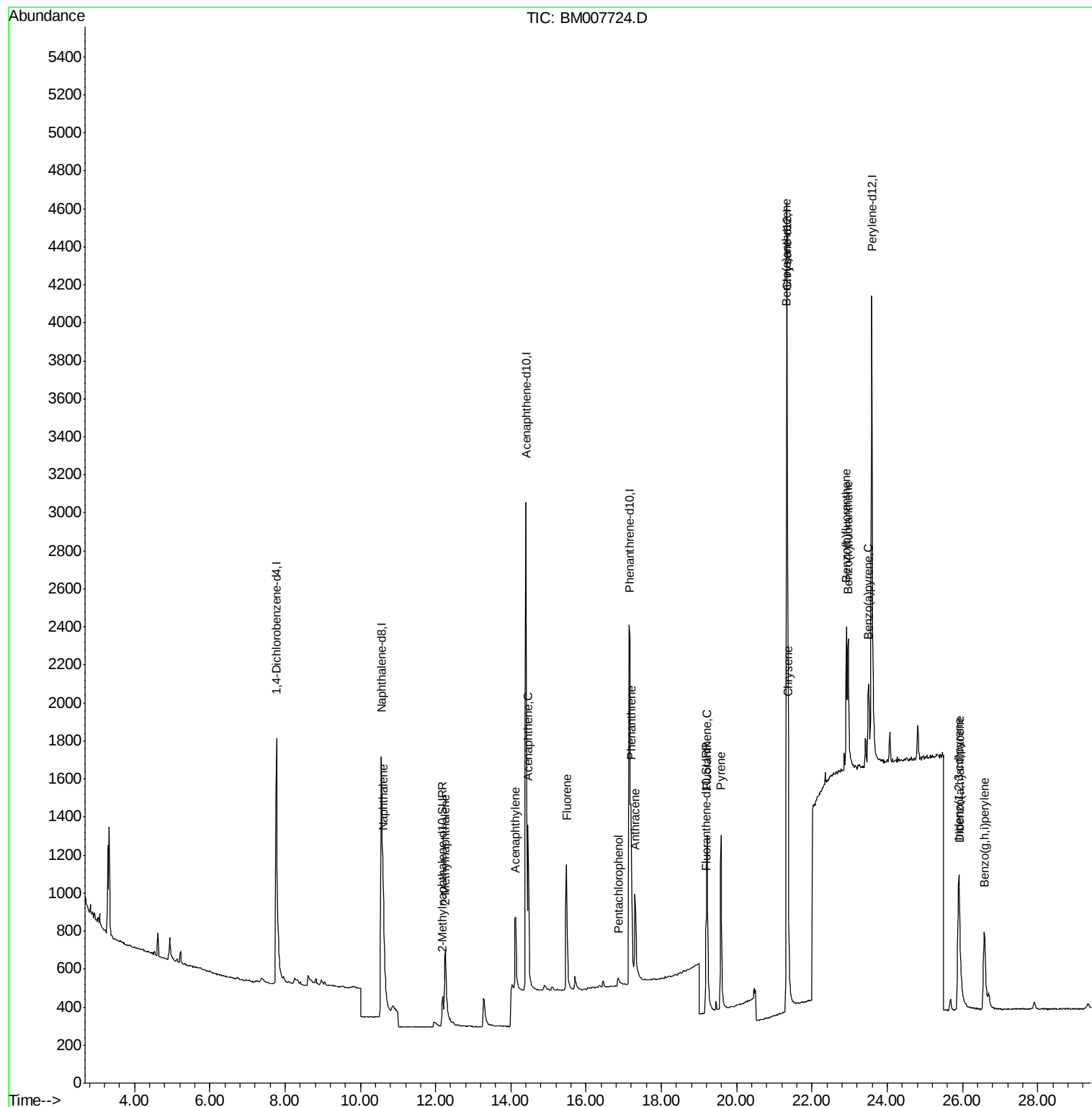
Target Compounds				Qvalue		
3) Naphthalene	10.61	128	1010	0.11	ng/ul#	73
5) 2-Methylnaphthalene	12.26	142	610	0.10	ng/ul	97
7) Acenaphthylene	14.13	152	875	0.10	ng/ul#	80
8) Acenaphthene	14.45	153	682	0.10	ng/ul	93
9) Fluorene	15.48	166	740	0.09	ng/ul#	95
11) Pentachlorophenol	16.85	266	80	0.07	ng/ul#	89
12) Phenanthrene	17.19	178	1129	0.09	ng/ul#	89
13) Anthracene	17.30	178	961	0.09	ng/ul#	82
15) Fluoranthene	19.22	202	1321	0.09	ng/ul	86
17) Pyrene	19.58	202	1357	0.08	ng/ul#	91
18) Benzo(a)anthracene	21.33	228	1059	0.07	ng/ul#	91
19) Chrysene	21.37	228	1284	0.08	ng/ul	92
21) Benzo(b)fluoranthene	22.91	252	1124	0.07	ng/ul	68
22) Benzo(k)fluoranthene	22.96	252	1355	0.09	ng/ul#	61
23) Benzo(a)pyrene	23.50	252	1096	0.08	ng/ul#	50
24) Indeno(1,2,3-cd)pyrene	25.89	276	1310	0.09	ng/ul	98
25) Dibenzo(a,h)anthracene	25.91	278	1045	0.09	ng/ul#	63
26) Benzo(g,h,i)perylene	26.58	276	1205	0.09	ng/ul#	80

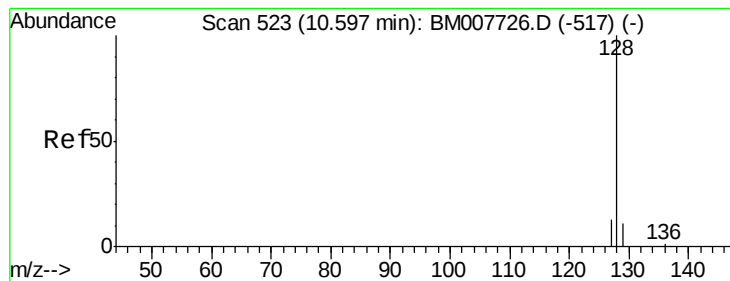
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.11 ng/ul

RT: 10.61 min Scan# 524

Delta R.T. 0.01 min

Lab File: BM007724.D

Acq: 24 Oct 2016 19:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.155

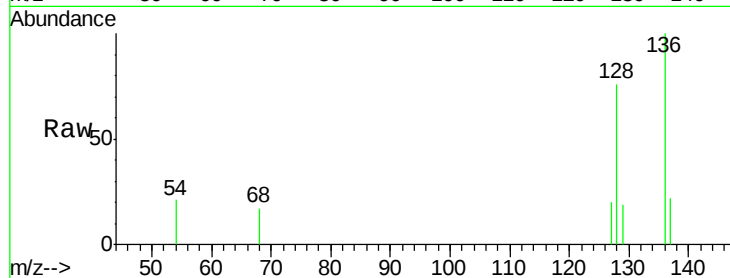
Tgt Ion:128 Resp: 1010

Ion Ratio Lower Upper

128 100

129 25.7 11.3 16.9#

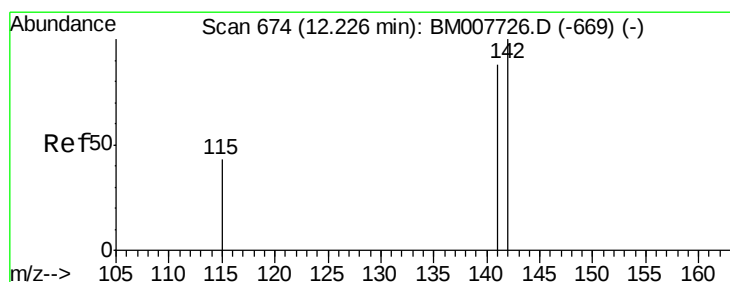
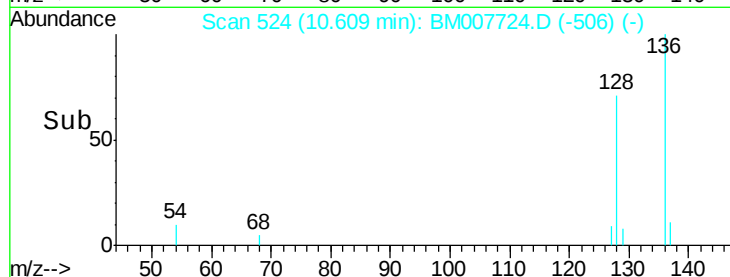
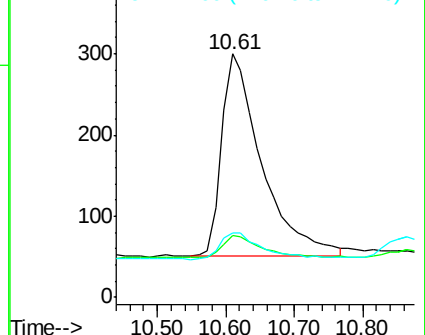
127 26.7 12.8 19.2#



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: 0.10 ng/ul

RT: 12.26 min Scan# 677

Delta R.T. 0.03 min

Lab File: BM007724.D

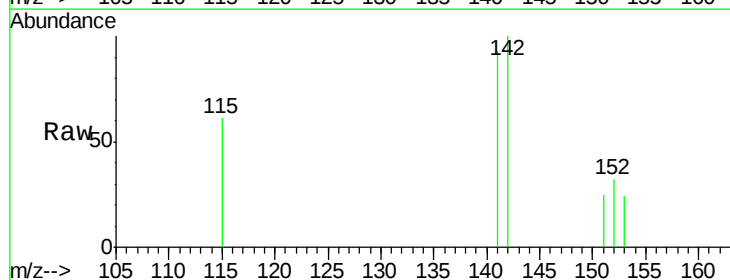
Acq: 24 Oct 2016 19:26

Tgt Ion:142 Resp: 610

Ion Ratio Lower Upper

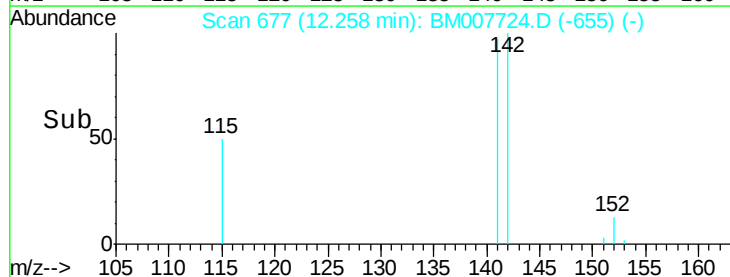
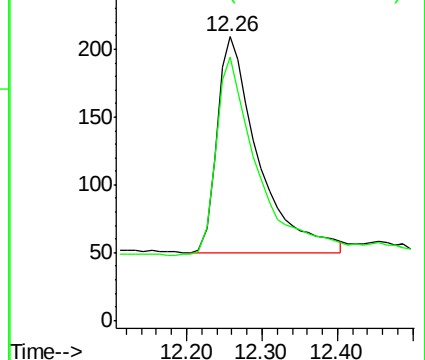
142 100

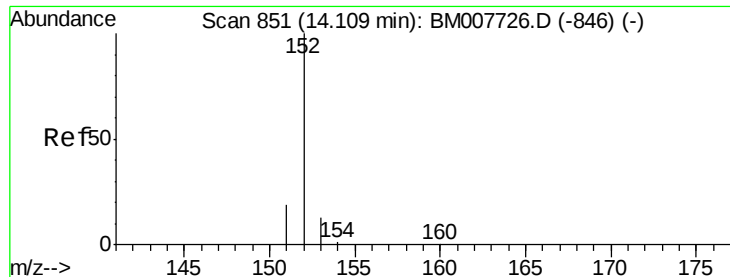
141 93.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.10 ng/ul

RT: 14.13 min Scan# 852

Delta R.T. 0.02 min

Lab File: BM007724.D

Acq: 24 Oct 2016 19:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.155

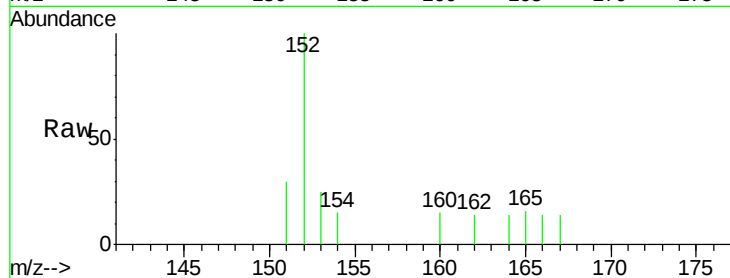
Tgt Ion:152 Resp: 875

Ion Ratio Lower Upper

152 100

151 30.1 17.1 25.7#

153 25.3 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

14.13

400

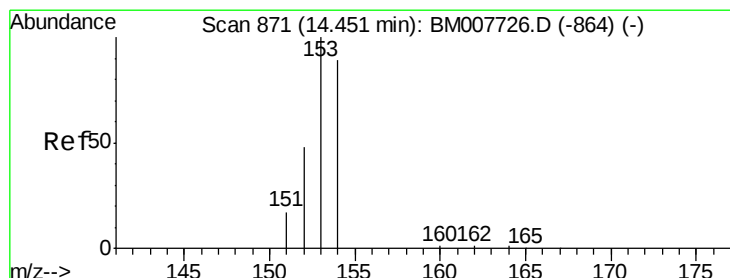
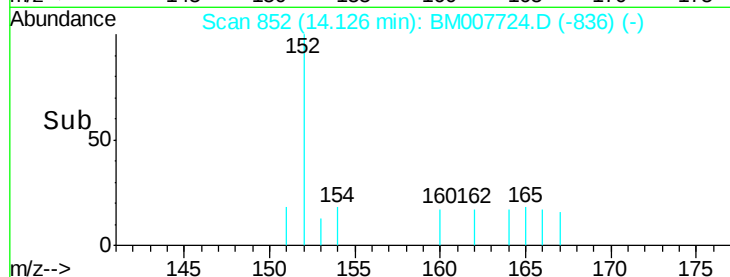
300

200

100

0

Time-->



#8

Acenaphthene

Concen: 0.10 ng/ul

RT: 14.45 min Scan# 871

Delta R.T. 0.00 min

Lab File: BM007724.D

Acq: 24 Oct 2016 19:26

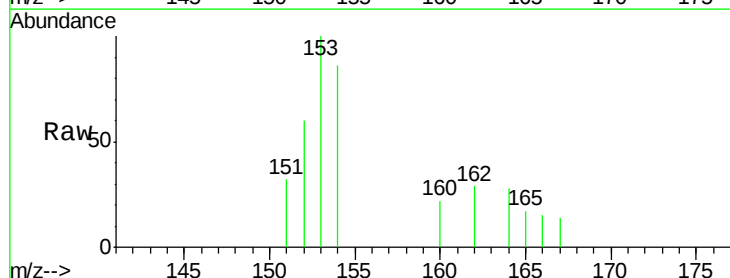
Tgt Ion:153 Resp: 682

Ion Ratio Lower Upper

153 100

152 60.1 40.3 60.5

154 86.0 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

14.45

400

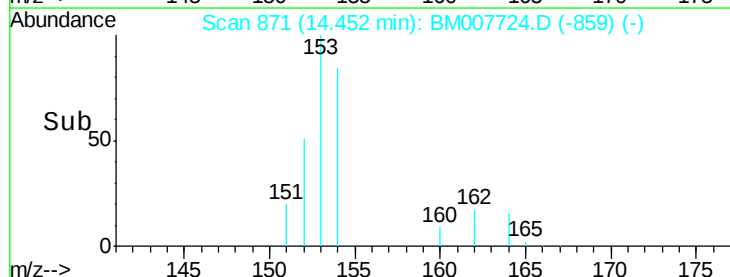
300

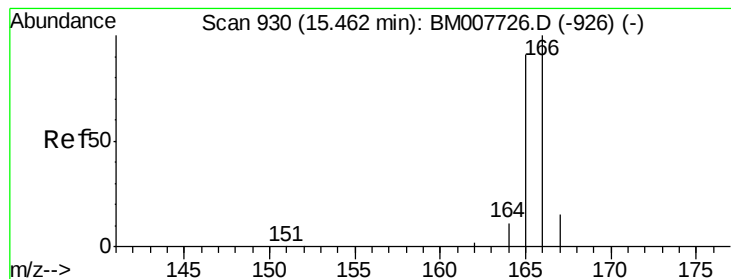
200

100

0

Time-->





#9

Fluorene

Concen: 0.09 ng/ul

RT: 15.48 min Scan# 931

Delta R.T. 0.02 min

Lab File: BM007724.D

Acq: 24 Oct 2016 19:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.155

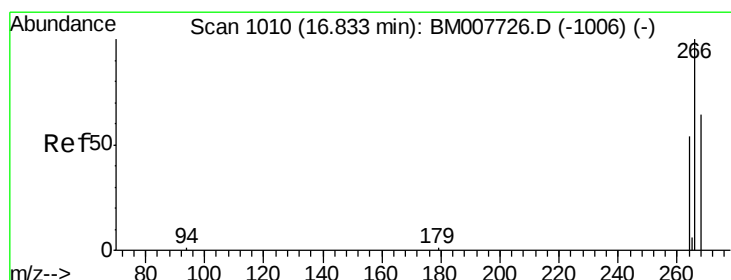
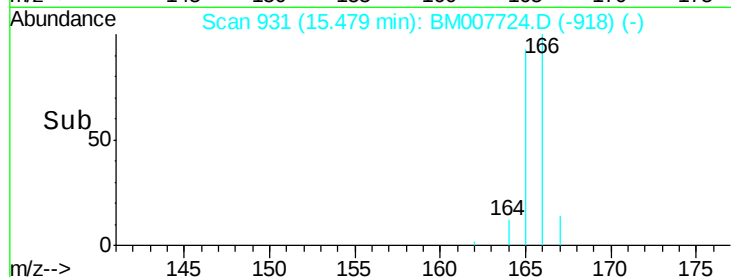
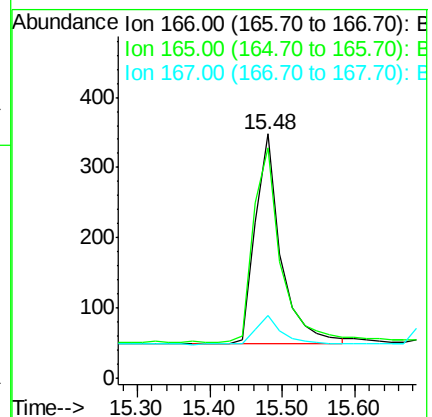
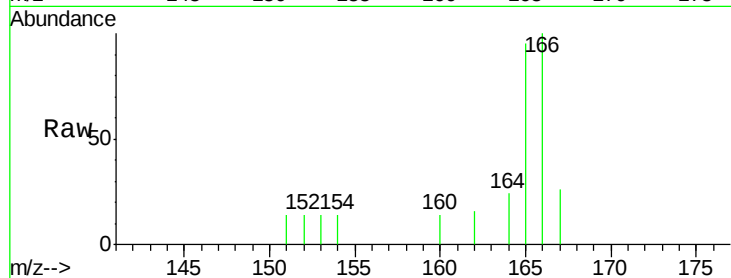
Tgt Ion:166 Resp: 740

Ion Ratio Lower Upper

166 100

165 94.5 73.4 110.2

167 25.6 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.07 ng/ul

RT: 16.85 min Scan# 1011

Delta R.T. 0.02 min

Lab File: BM007724.D

Acq: 24 Oct 2016 19:26

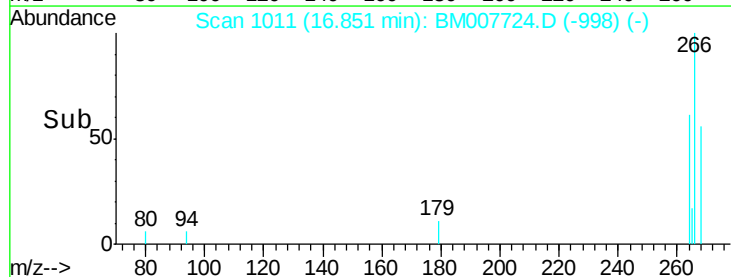
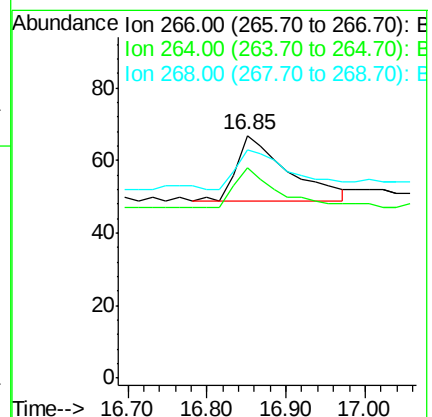
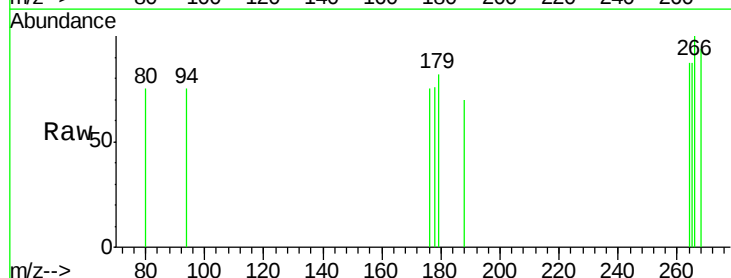
Tgt Ion:266 Resp: 80

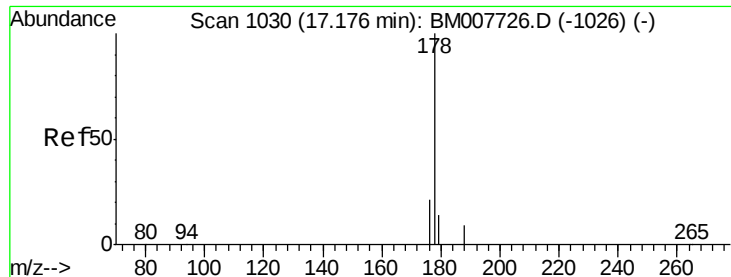
Ion Ratio Lower Upper

266 100

264 73.8 47.9 71.9#

268 65.0 49.8 74.8





#12

Phenanthrene

Concen: 0.09 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. 0.02 min

Lab File: BM007724.D

Acq: 24 Oct 2016 19:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.155

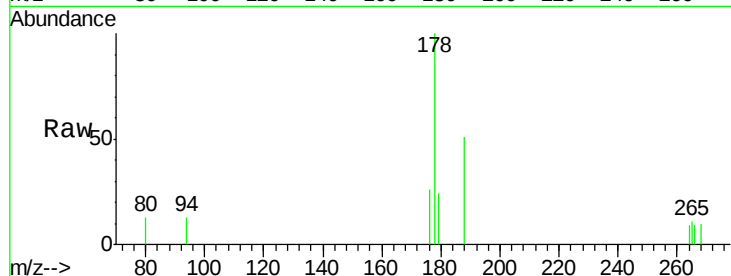
Tgt Ion:178 Resp: 1129

Ion Ratio Lower Upper

178 100

176 26.3 18.4 27.6

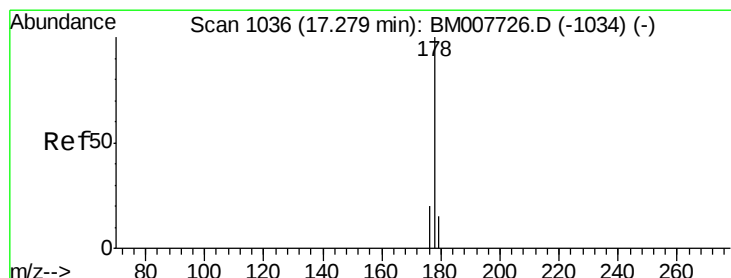
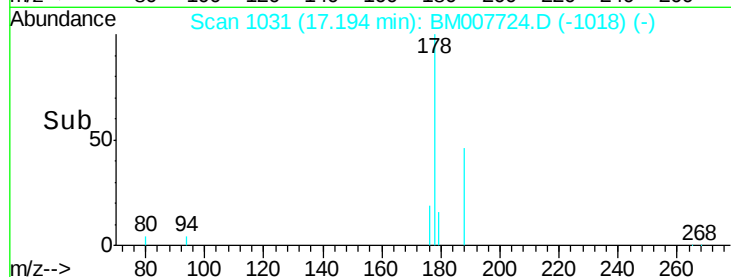
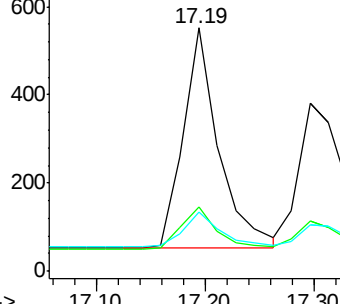
179 24.3 13.6 20.4#



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: 0.09 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. 0.02 min

Lab File: BM007724.D

Acq: 24 Oct 2016 19:26

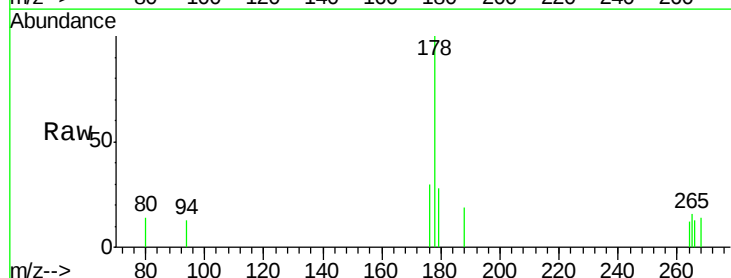
Tgt Ion:178 Resp: 961

Ion Ratio Lower Upper

178 100

176 30.3 18.1 27.1#

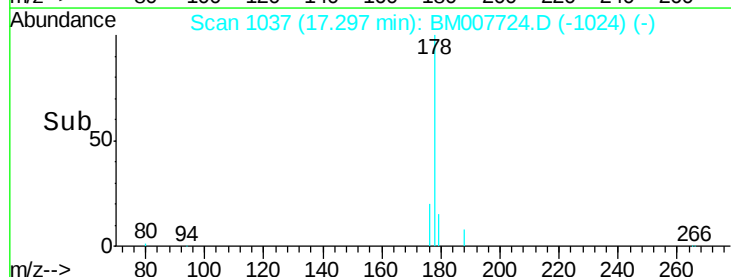
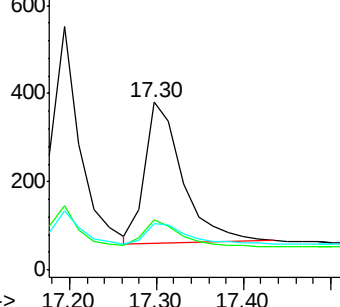
179 27.9 14.7 22.1#

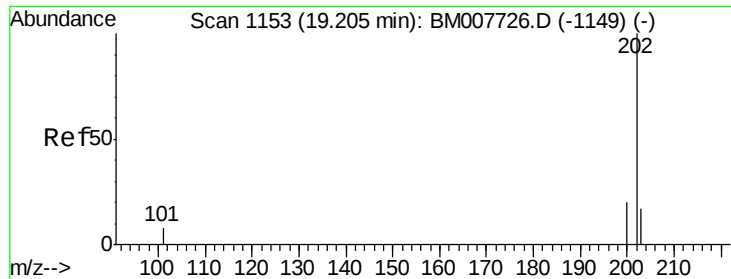


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.09 ng/ul

RT: 19.22 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BM007724.D

Acq: 24 Oct 2016 19:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.155

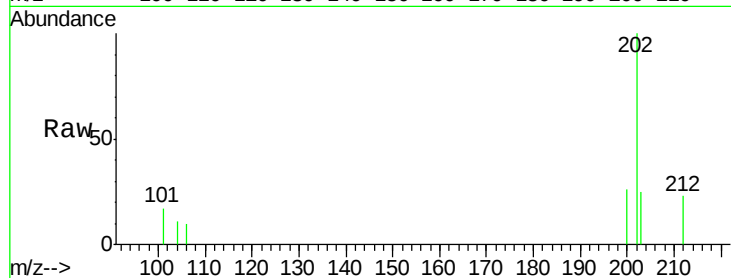
Tgt Ion:202 Resp: 1321

Ion Ratio Lower Upper

202 100

101 16.9 0.0 30.3

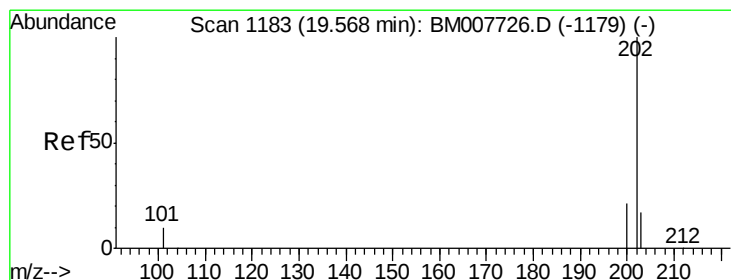
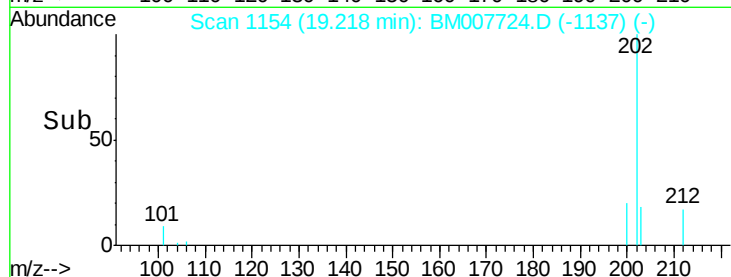
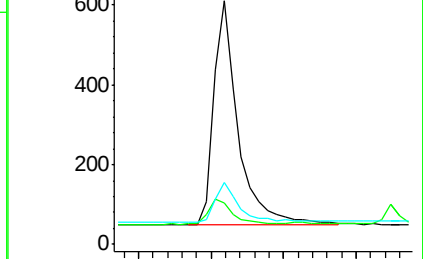
203 25.2 0.0 39.5



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: 0.08 ng/ul

RT: 19.58 min Scan# 1184

Delta R.T. 0.01 min

Lab File: BM007724.D

Acq: 24 Oct 2016 19:26

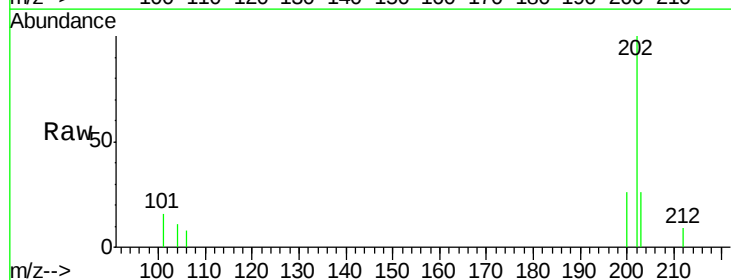
Tgt Ion:202 Resp: 1357

Ion Ratio Lower Upper

202 100

200 25.7 18.2 27.4

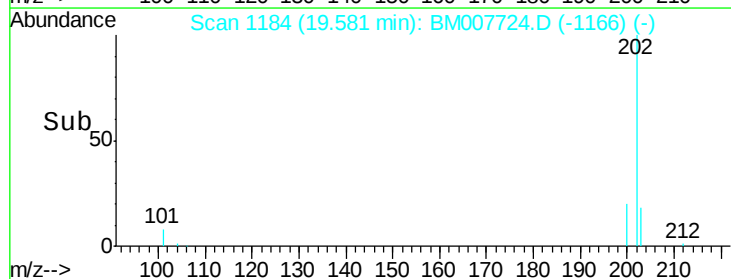
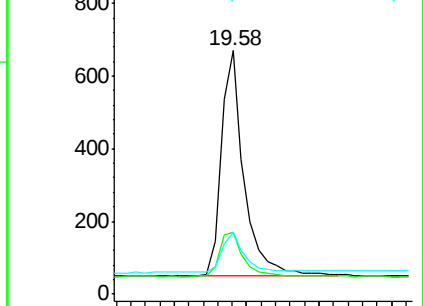
203 25.5 15.6 23.4#

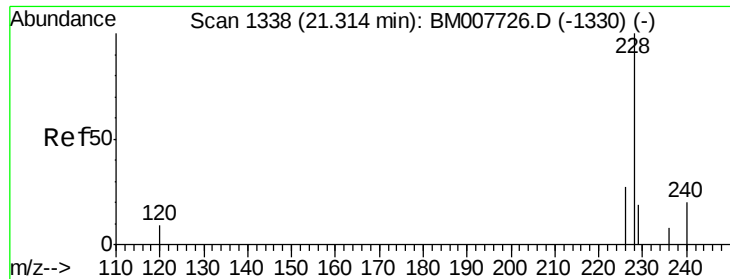


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.07 ng/ul

RT: 21.33 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BM007724.D

Acq: 24 Oct 2016 19:26

Instrument :

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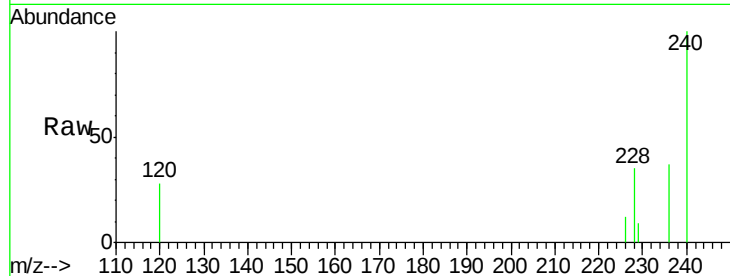
Tgt Ion:228 Resp: 1059

Ion Ratio Lower Upper

228 100

226 33.3 22.8 34.2

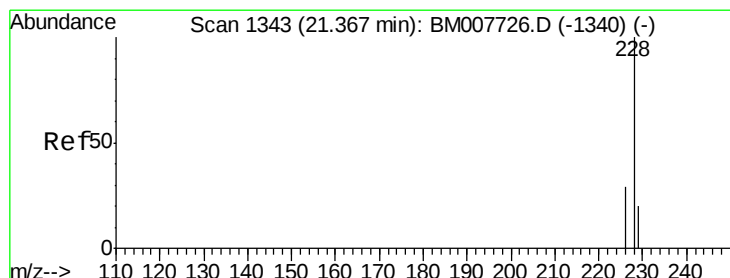
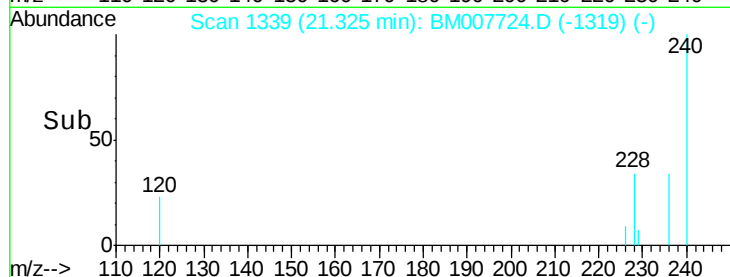
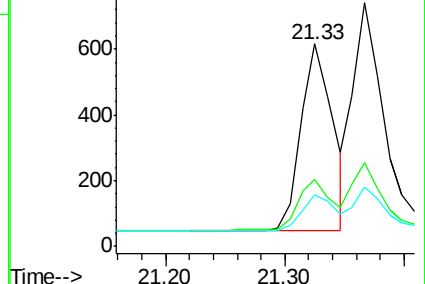
229 25.6 17.0 25.6#



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: 0.08 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BM007724.D

Acq: 24 Oct 2016 19:26

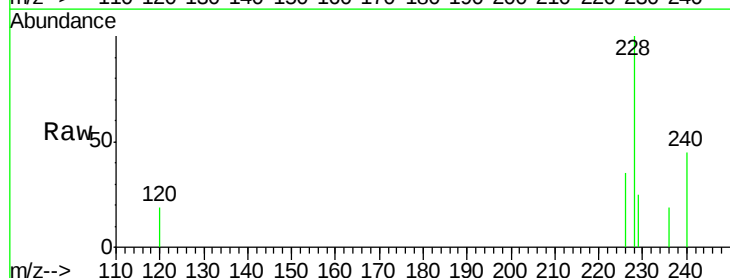
Tgt Ion:228 Resp: 1284

Ion Ratio Lower Upper

228 100

226 34.5 23.4 35.0

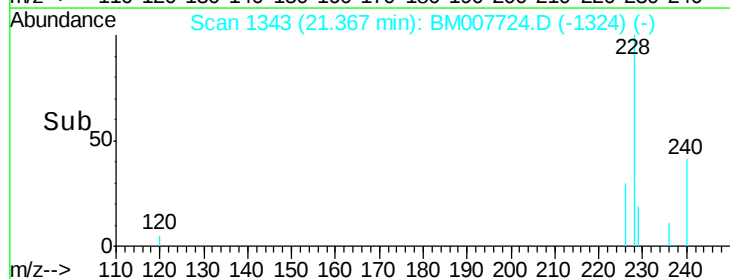
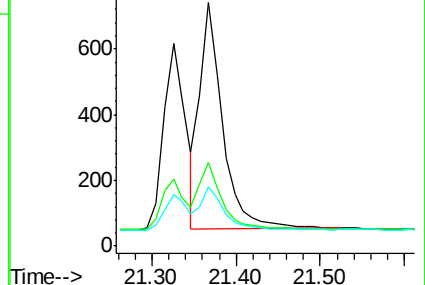
229 24.6 17.7 26.5

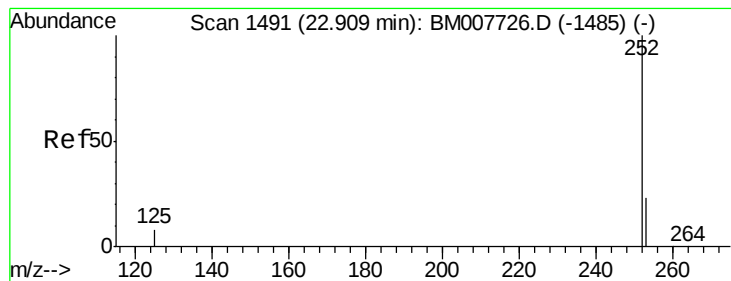


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.07 ng/u1

RT: 22.91 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BM007724.D

Acq: 24 Oct 2016 19:26

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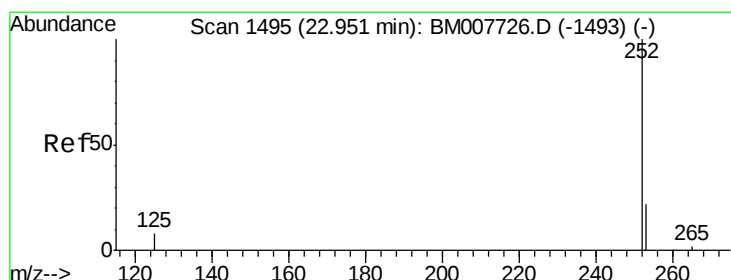
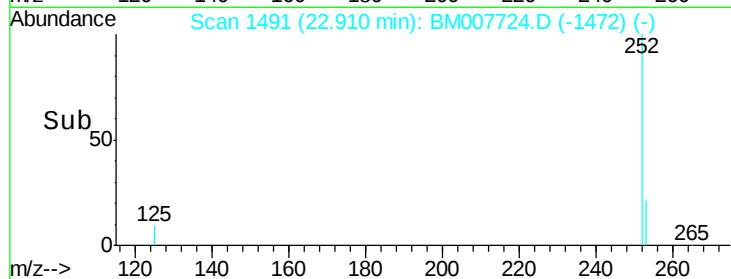
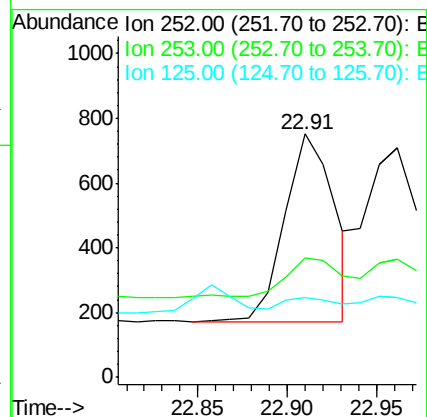
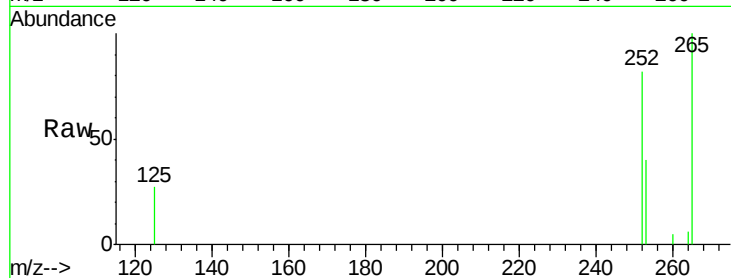
Tgt Ion:252 Resp: 1124

Ion Ratio Lower Upper

252 100

253 49.1 0.0 64.2

125 33.0 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 0.09 ng/u1

RT: 22.96 min Scan# 1496

Delta R.T. 0.01 min

Lab File: BM007724.D

Acq: 24 Oct 2016 19:26

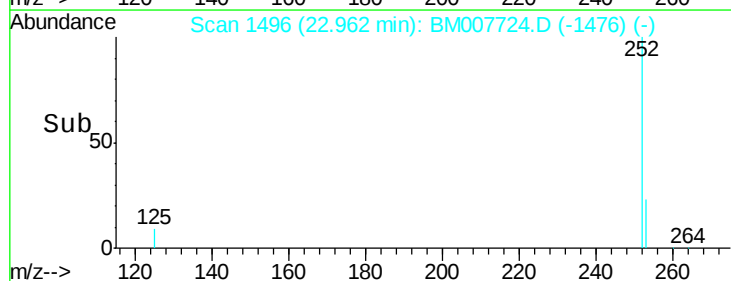
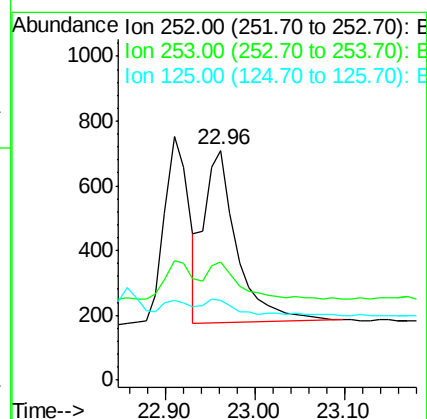
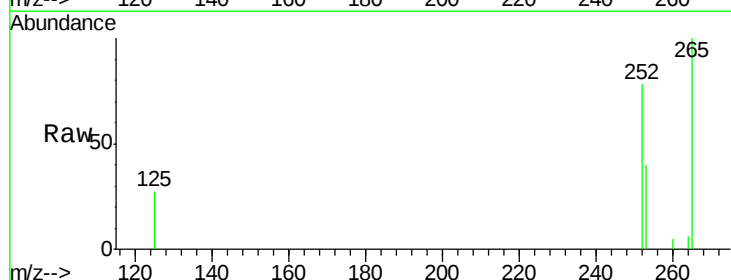
Tgt Ion:252 Resp: 1355

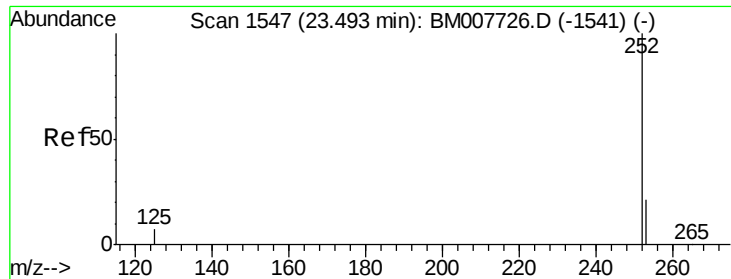
Ion Ratio Lower Upper

252 100

253 51.5 24.5 36.7#

125 34.6 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.08 ng/ul

RT: 23.50 min Scan# 1548

Delta R.T. 0.01 min

Lab File: BM007724.D

Acq: 24 Oct 2016 19:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.155

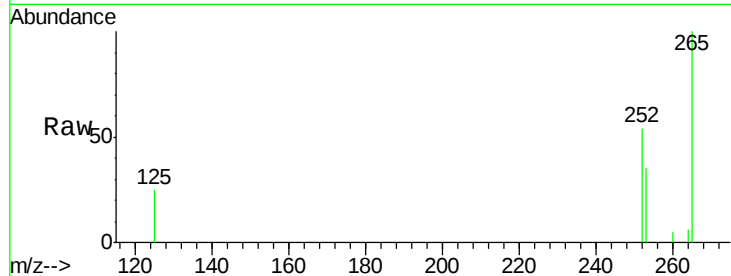
Tgt Ion:252 Resp: 1096

Ion Ratio Lower Upper

252 100

253 64.7 28.5 42.7#

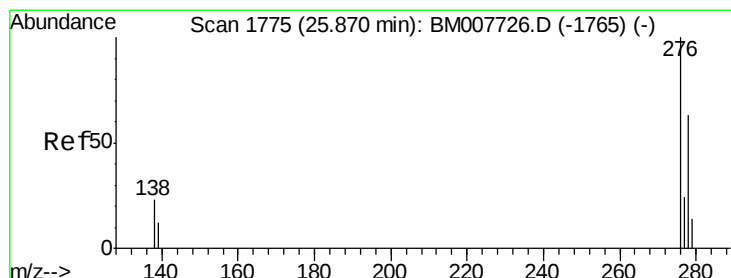
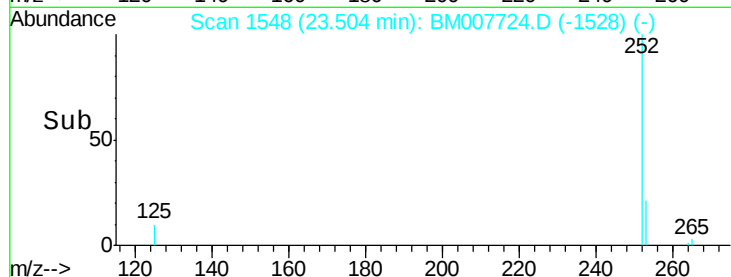
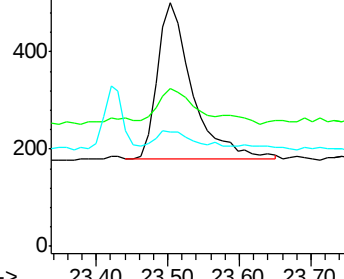
125 46.7 18.1 27.1#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.09 ng/ul

RT: 25.89 min Scan# 1777

Delta R.T. 0.02 min

Lab File: BM007724.D

Acq: 24 Oct 2016 19:26

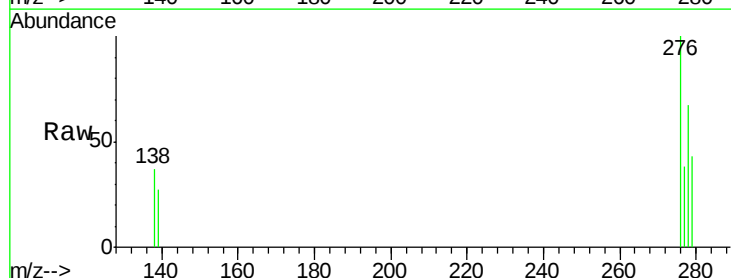
Tgt Ion:276 Resp: 1310

Ion Ratio Lower Upper

276 100

138 24.1 19.1 28.7

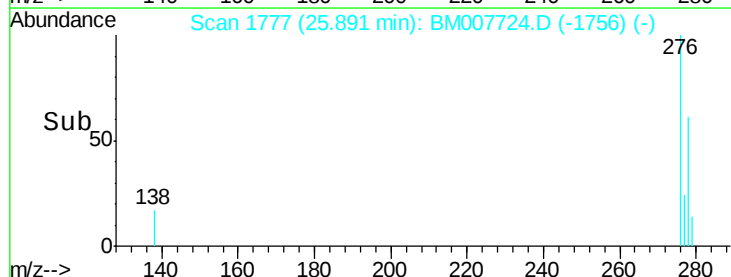
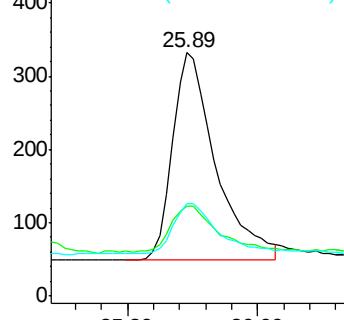
277 25.9 19.6 29.4

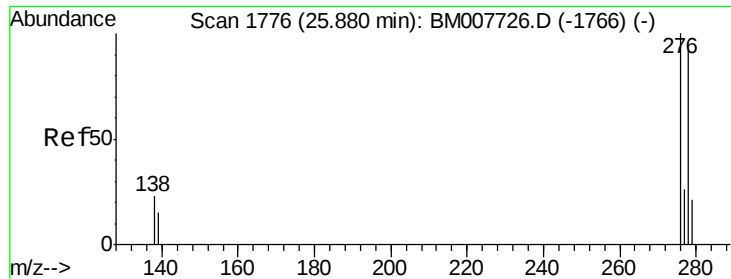


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



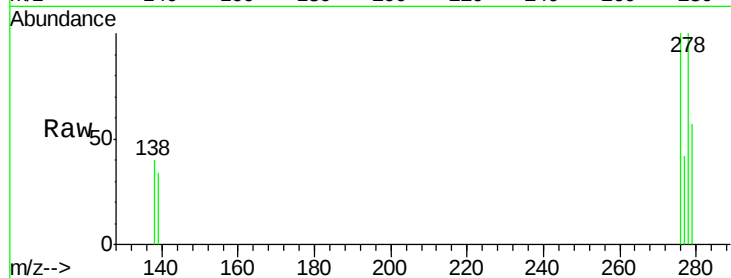


#25
Dibenzo(a,h)anthracene
Concen: 0.09 ng/ul
RT: 25.91 min Scan# 1779
Delta R.T. 0.03 min
Lab File: BM007724.D
Acq: 24 Oct 2016 19:26

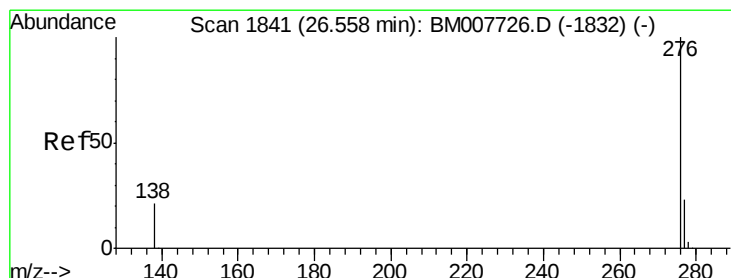
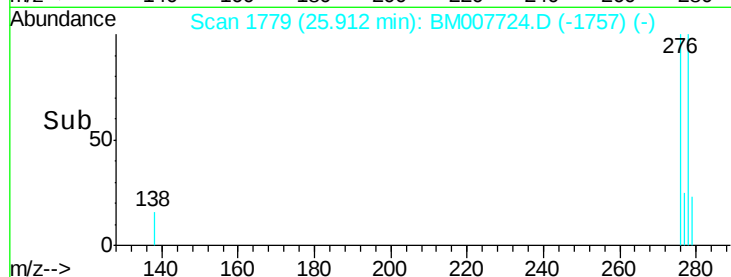
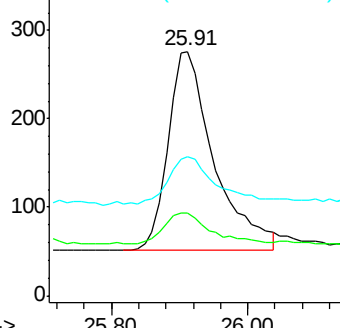
Instrument :
BNA_M
ClientSampleId :
SSTD0.155

Tgt Ion: 278 Resp: 1045

Ion	Ratio	Lower	Upper
278	100		
139	34.1	17.4	26.0#
279	56.9	25.9	38.9#



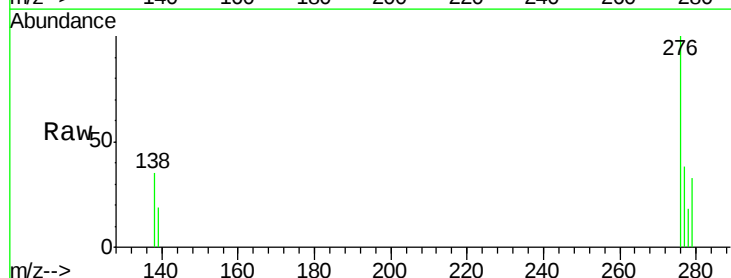
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.09 ng/ul
RT: 26.58 min Scan# 1843
Delta R.T. 0.02 min
Lab File: BM007724.D
Acq: 24 Oct 2016 19:26

Tgt Ion: 276 Resp: 1205

Ion	Ratio	Lower	Upper
276	100		
277	37.7	21.8	32.8#
138	35.3	20.5	30.7#



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

