

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072816\
 Data File : BM006727.D
 Acq On : 28 Jul 2016 18:28
 Operator : UM/SJ
 Sample : H4068-03DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X2548DL

Quant Time: Jul 28 18:58:58 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM072816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 15:44:03 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	2111	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	7334	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	3960	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	9751	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	9998	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	9912	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1676	0.18	ng/ul	0.01
14) Fluoranthene-d10	19.05	212	5179	0.20	ng/ul	0.00

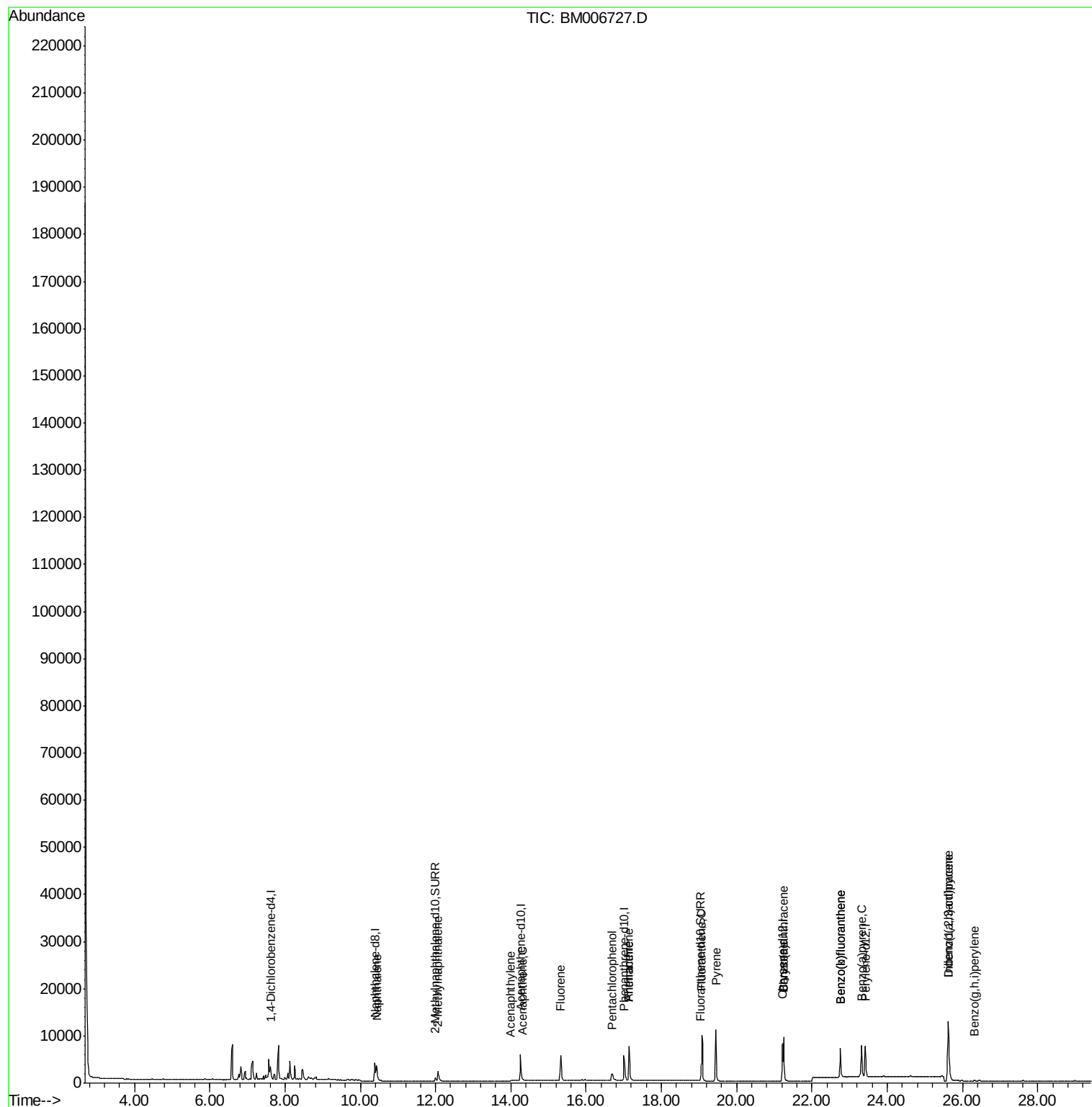
Target Compounds				Qvalue		
3) Naphthalene	10.44	128	5957	0.32	ng/ul	95
5) 2-Methylnaphthalene	12.07	142	2627	0.21	ng/ul	99
7) Acenaphthylene	13.98	152	16	0.00	ng/ul#	1
8) Acenaphthene	14.31	153	39	0.00	ng/ul#	74
9) Fluorene	15.32	166	4854	0.30	ng/ul	90
11) Pentachlorophenol	16.70	266	2057	1.68	ng/ul	95
12) Phenanthrene	17.14	178	10117	0.37	ng/ul#	93
13) Anthracene	17.14	178	10564	0.41	ng/ul	96
15) Fluoranthene	19.08	202	12602	0.33	ng/ul	95
17) Pyrene	19.45	202	13344	0.44	ng/ul	94
18) Benzo(a)anthracene	21.26	228	9700	0.35	ng/ul	95
19) Chrysene	21.26	228	9761	0.36	ng/ul	98
21) Benzo(b)fluoranthene	22.76	252	8938	0.26	ng/ul	96
22) Benzo(k)fluoranthene	22.76	252	8984	0.28	ng/ul	100
23) Benzo(a)pyrene	23.32	252	11083	0.35	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.62	276	5293	0.13	ng/ul#	55
25) Dibenzo(a,h)anthracene	25.62	278	22807	0.77	ng/ul	96
26) Benzo(g,h,i)perylene	26.31	276	130	0.00	ng/ul#	1

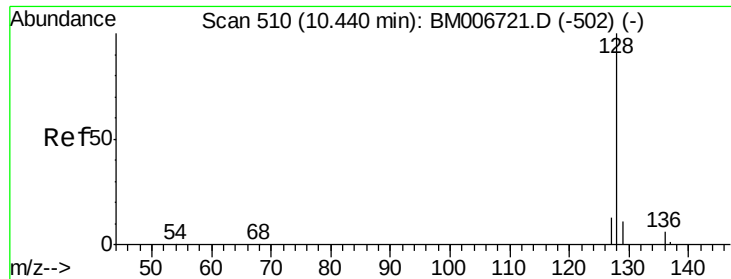
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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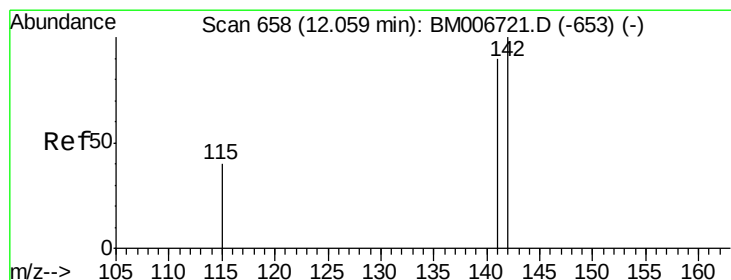
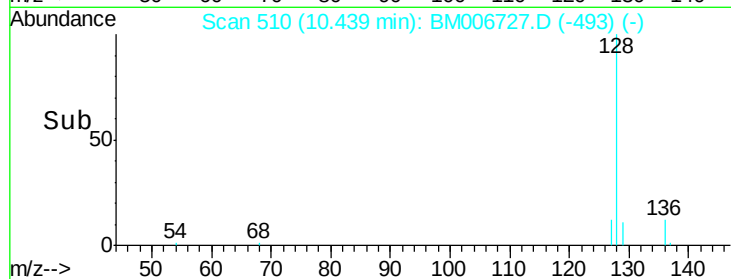
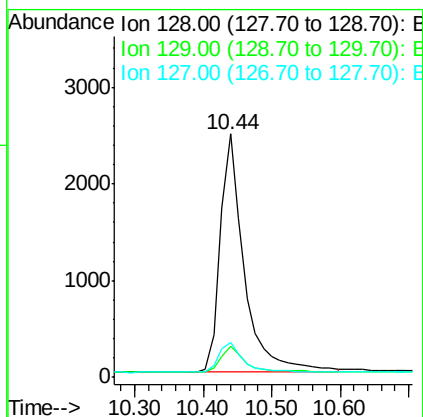
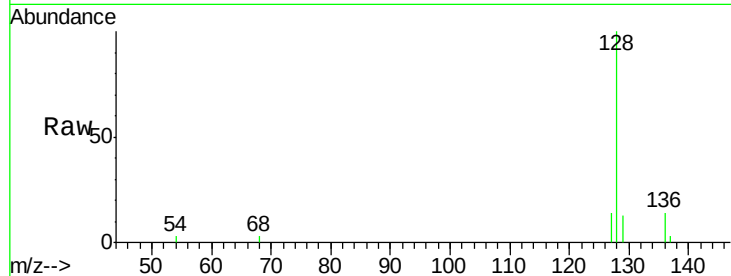




#3
Naphthalene
Concen: 0.32 ng/ul
RT: 10.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: BM006727.D
Acq: 28 Jul 2016 18:28

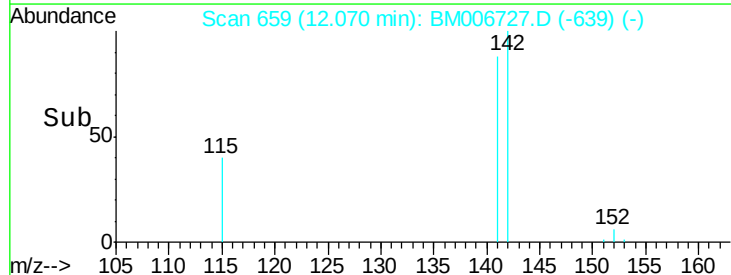
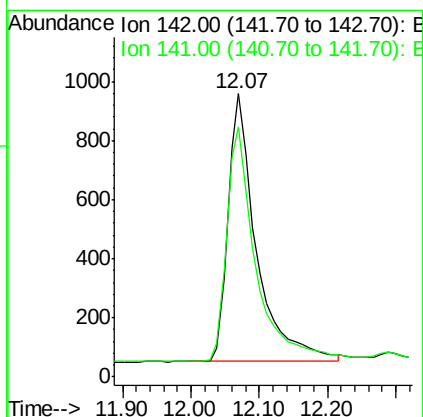
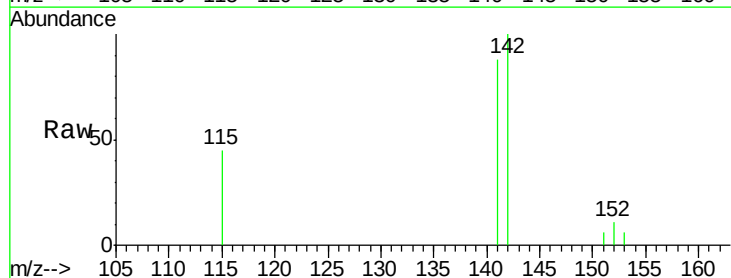
Instrument :
BNA_M
ClientSampleId :
X2548DL

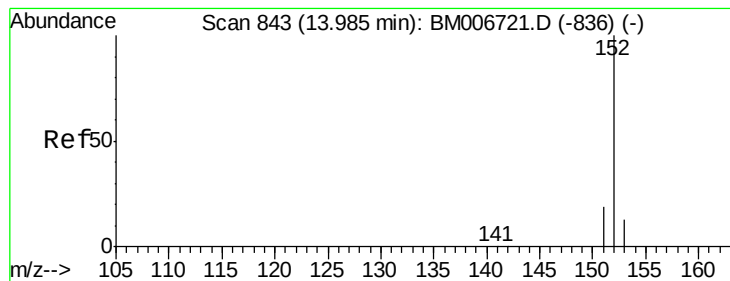
Tgt Ion:128 Resp: 5957
Ion Ratio Lower Upper
128 100
129 12.8 9.0 13.6
127 14.1 9.6 14.4



#5
2-Methylnaphthalene
Concen: 0.21 ng/ul
RT: 12.07 min Scan# 659
Delta R.T. 0.01 min
Lab File: BM006727.D
Acq: 28 Jul 2016 18:28

Tgt Ion:142 Resp: 2627
Ion Ratio Lower Upper
142 100
141 88.7 70.3 105.5





#7

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.98 min Scan# 843

Delta R.T. -0.00 min

Lab File: BM006727.D

Acq: 28 Jul 2016 18:28

Instrument :

BNA_M

ClientSampleId :

X2548DL

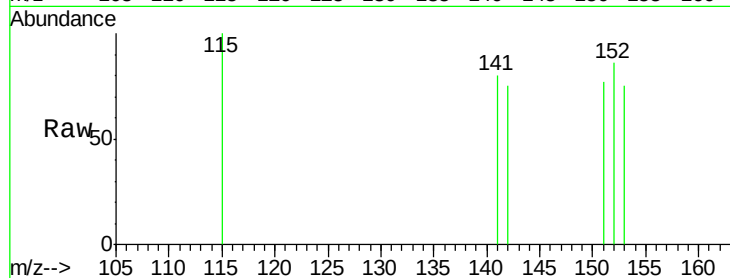
Tgt Ion:152 Resp: 16

Ion Ratio Lower Upper

152 100

151 89.8 17.6 26.4#

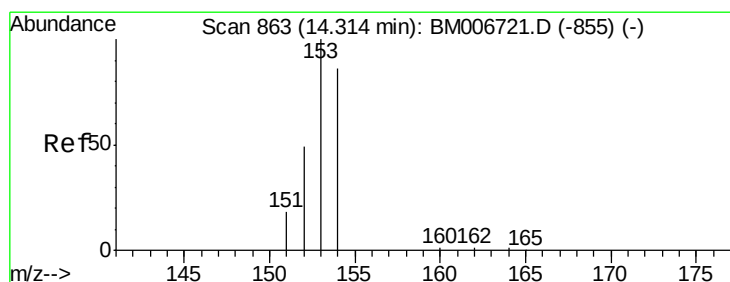
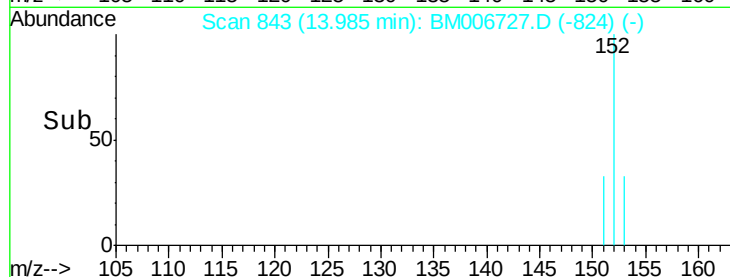
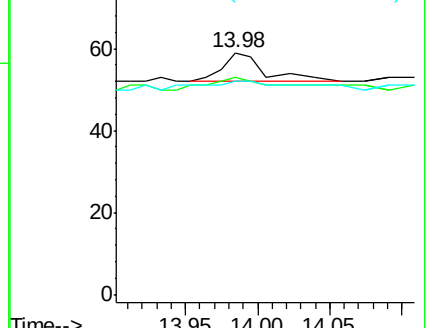
153 88.1 9.7 14.5#



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



#8

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.31 min Scan# 863

Delta R.T. -0.00 min

Lab File: BM006727.D

Acq: 28 Jul 2016 18:28

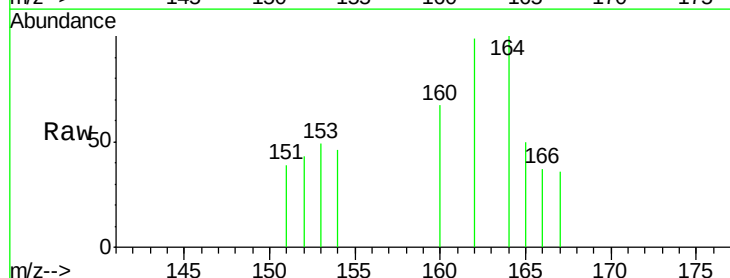
Tgt Ion:153 Resp: 39

Ion Ratio Lower Upper

153 100

152 88.4 33.9 50.9#

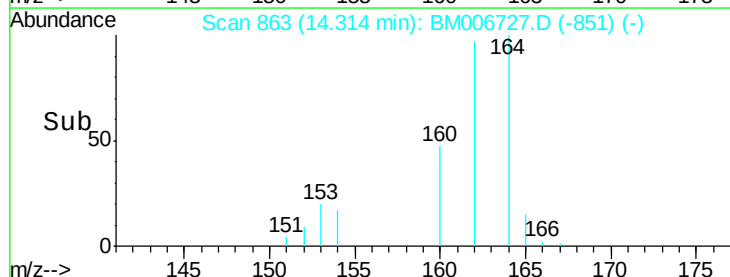
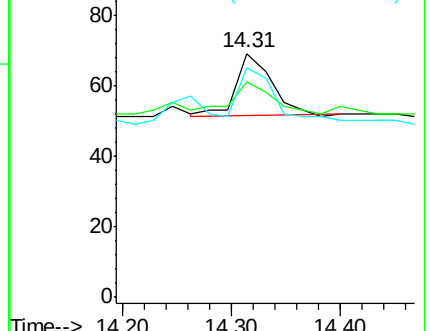
154 94.2 80.6 121.0

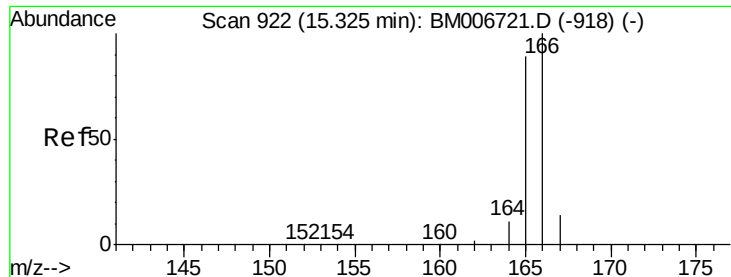


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.30 ng/ul

RT: 15.32 min Scan# 922

Delta R.T. -0.00 min

Lab File: BM006727.D

Acq: 28 Jul 2016 18:28

Instrument :

BNA_M

ClientSampleId :

X2548DL

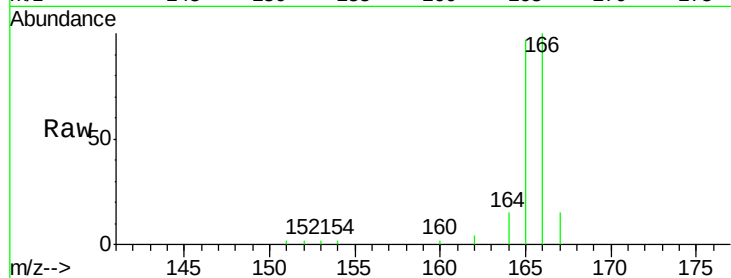
Tgt Ion:166 Resp: 4854

Ion Ratio Lower Upper

166 100

165 97.4 69.6 104.4

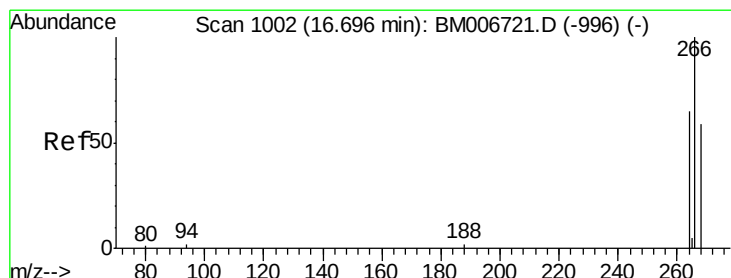
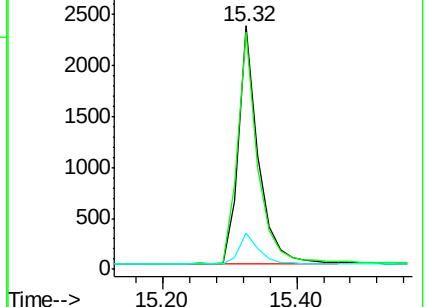
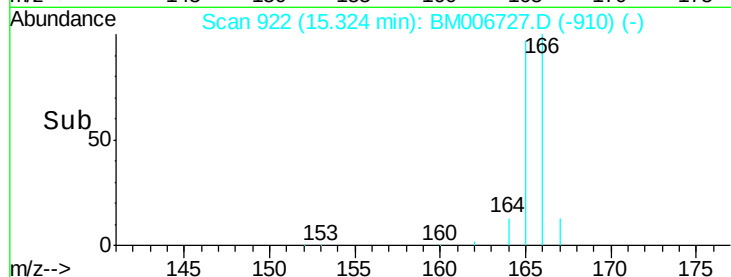
167 14.9 11.9 17.9



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



#11

Pentachlorophenol

Concen: 1.68 ng/ul

RT: 16.70 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BM006727.D

Acq: 28 Jul 2016 18:28

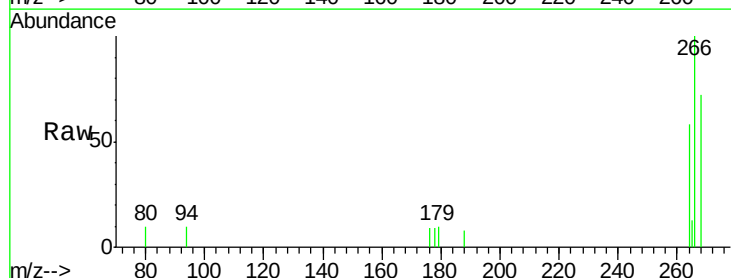
Tgt Ion:266 Resp: 2057

Ion Ratio Lower Upper

266 100

264 63.4 51.8 77.8

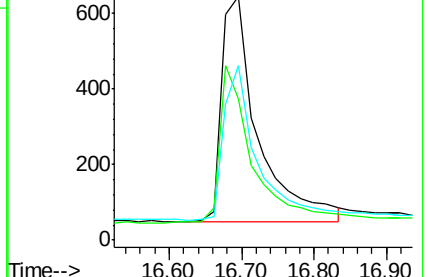
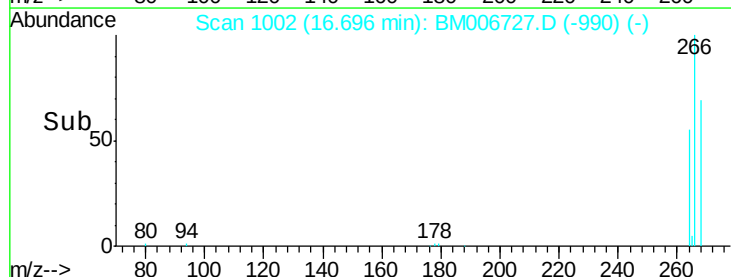
268 64.6 46.8 70.2

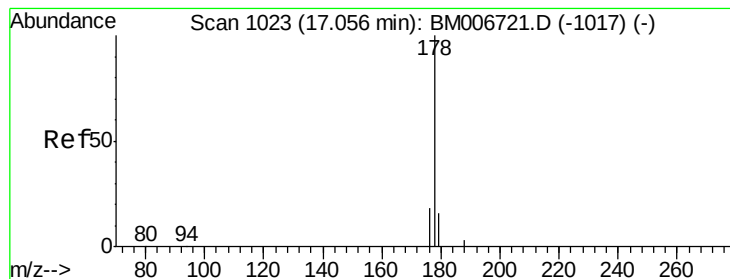


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.37 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. 0.09 min

Lab File: BM006727.D

Acq: 28 Jul 2016 18:28

Instrument :

BNA_M

ClientSampleId :

X2548DL

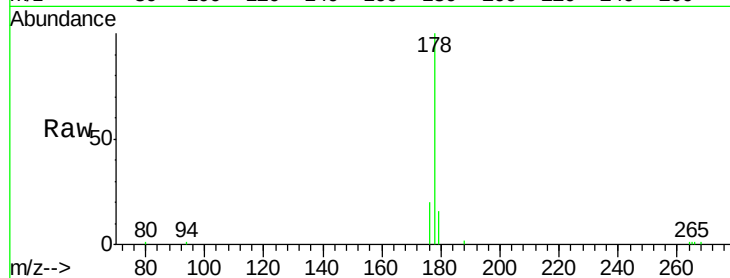
Tgt Ion:178 Resp: 10117

Ion Ratio Lower Upper

178 100

176 20.0 13.0 19.4#

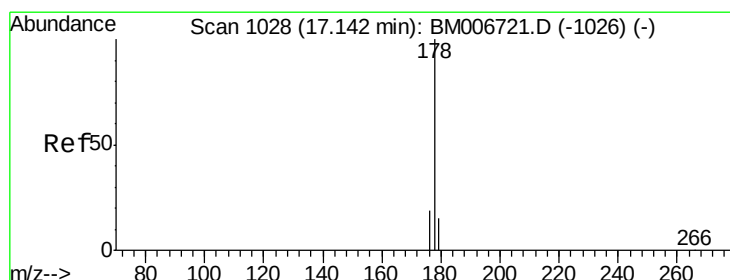
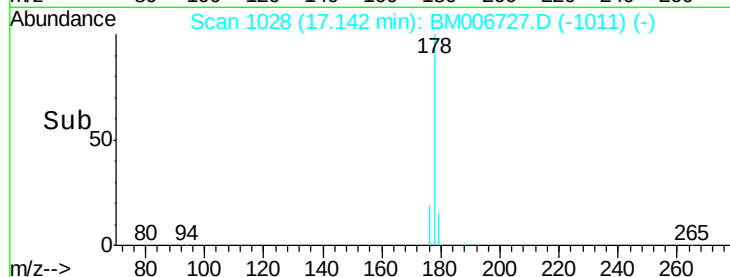
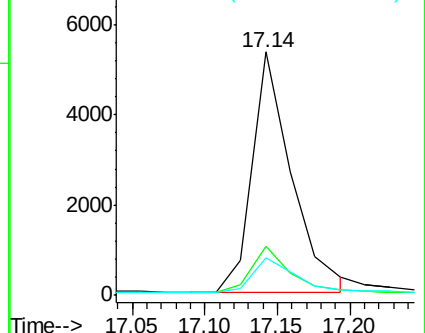
179 15.5 14.2 21.2



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



#13

Anthracene

Concen: 0.41 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BM006727.D

Acq: 28 Jul 2016 18:28

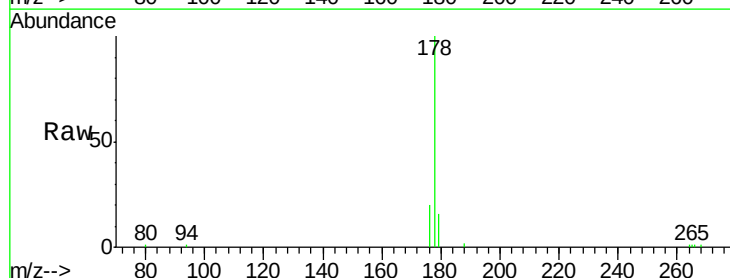
Tgt Ion:178 Resp: 10564

Ion Ratio Lower Upper

178 100

176 20.0 14.0 21.0

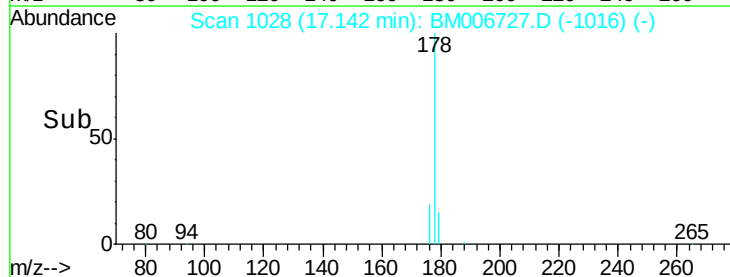
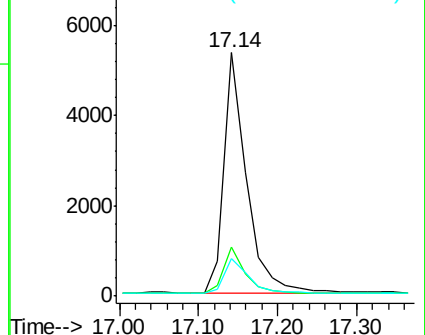
179 15.5 12.9 19.3

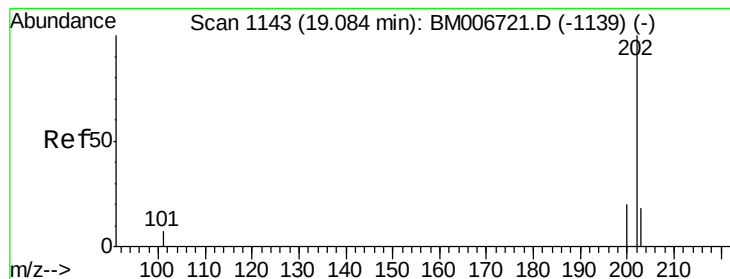


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.33 ng/ul

RT: 19.08 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BM006727.D

Acq: 28 Jul 2016 18:28

Instrument :

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ClientSampleId :

X2548DL

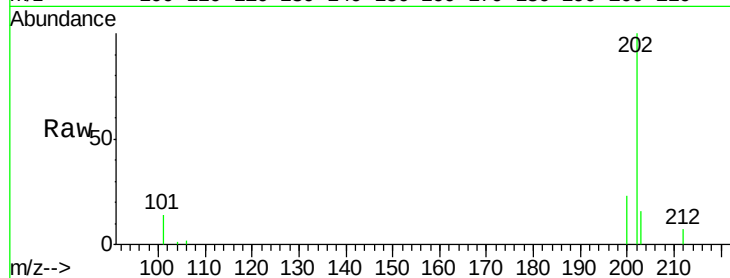
Tgt Ion:202 Resp: 12602

Ion Ratio Lower Upper

202 100

101 14.2 0.0 29.6

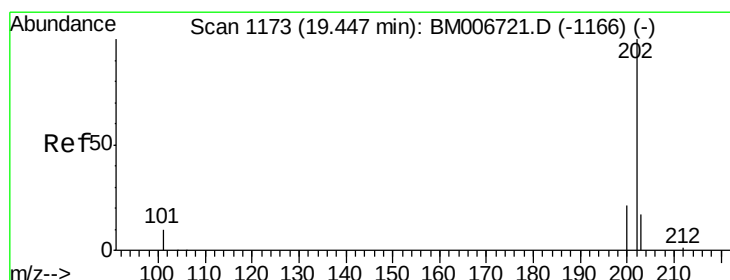
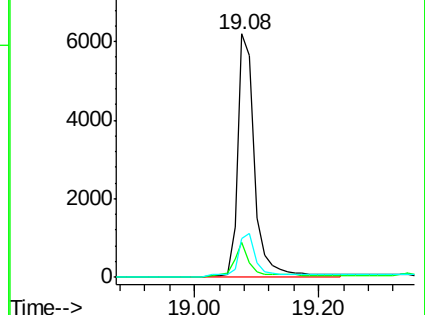
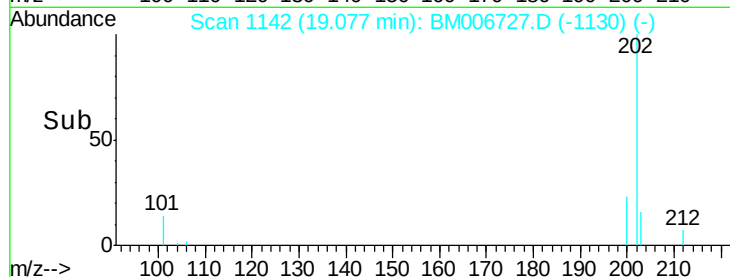
203 16.2 0.0 36.3



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



#17

Pyrene

Concen: 0.44 ng/ul

RT: 19.45 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BM006727.D

Acq: 28 Jul 2016 18:28

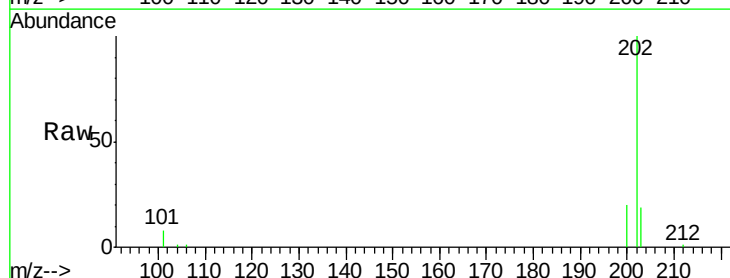
Tgt Ion:202 Resp: 13344

Ion Ratio Lower Upper

202 100

200 19.9 17.8 26.8

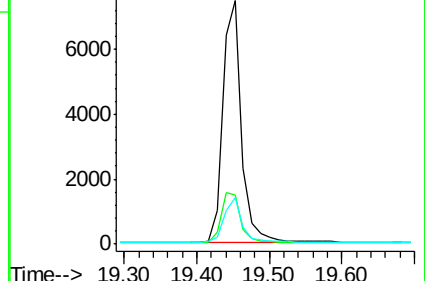
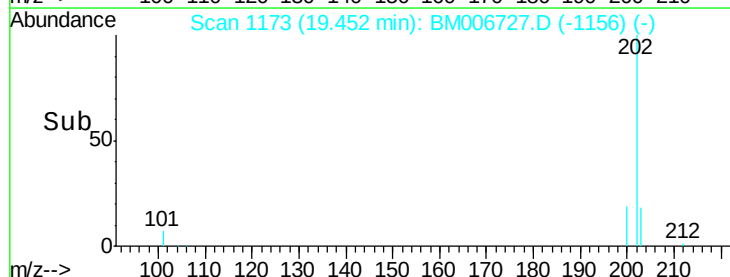
203 19.0 12.8 19.2

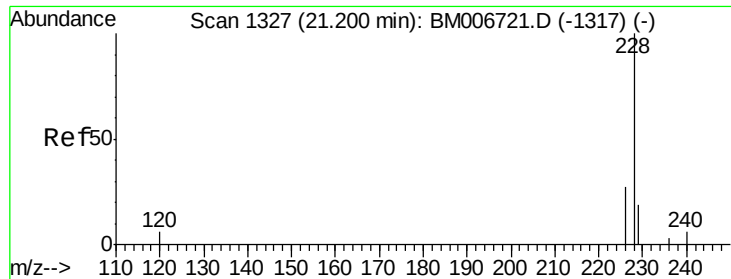


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.35 ng/ul

RT: 21.26 min Scan# 1332

Delta R.T. 0.06 min

Lab File: BM006727.D

Acq: 28 Jul 2016 18:28

Instrument :

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ClientSampleId :

X2548DL

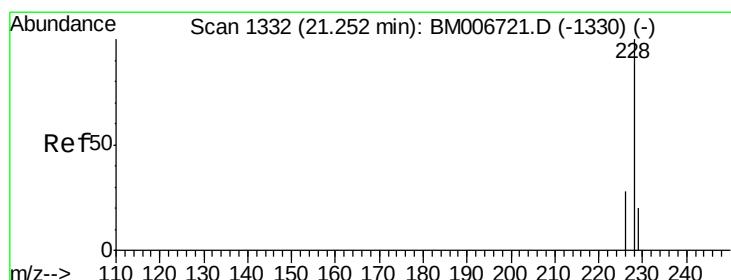
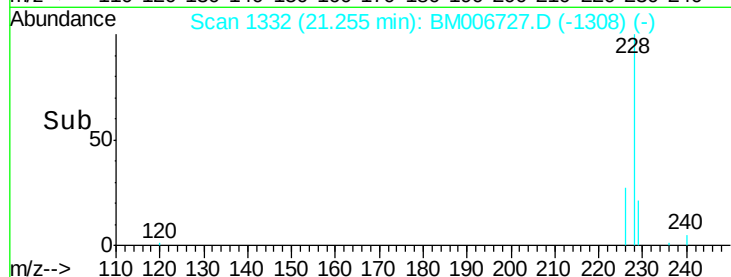
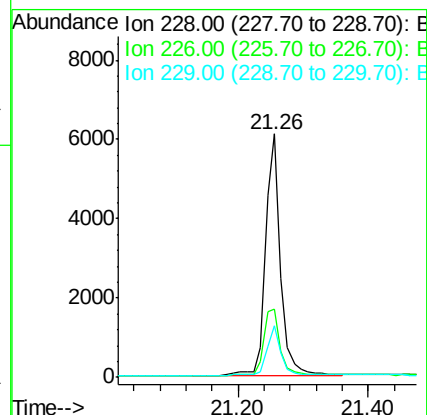
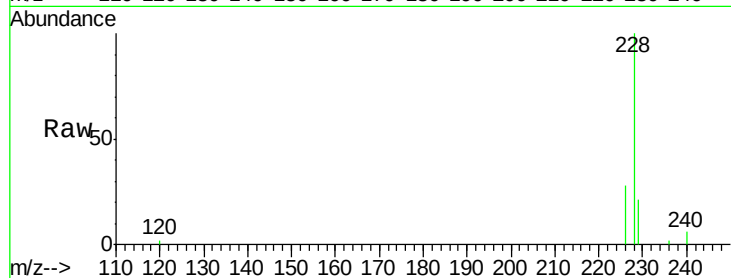
Tgt Ion:228 Resp: 9700

Ion Ratio Lower Upper

228 100

226 28.1 18.8 28.2

229 21.3 17.1 25.7



#19

Chrysene

Concen: 0.36 ng/ul

RT: 21.26 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BM006727.D

Acq: 28 Jul 2016 18:28

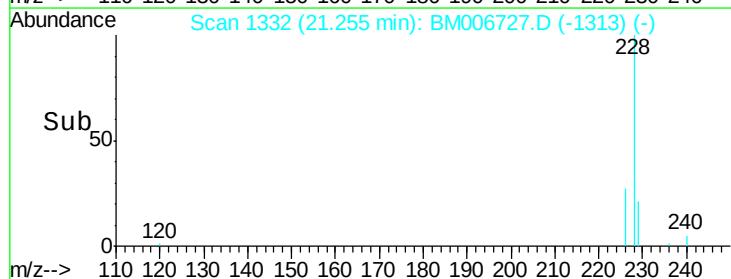
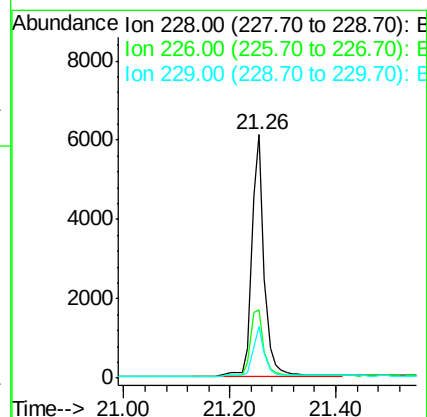
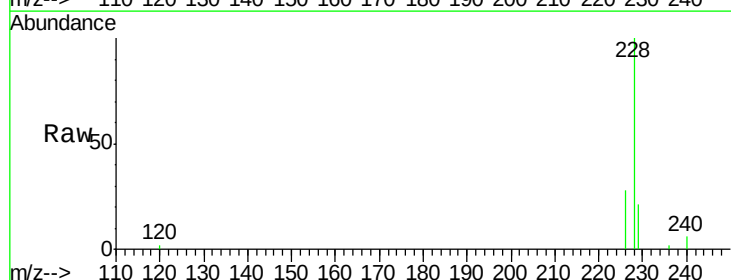
Tgt Ion:228 Resp: 9761

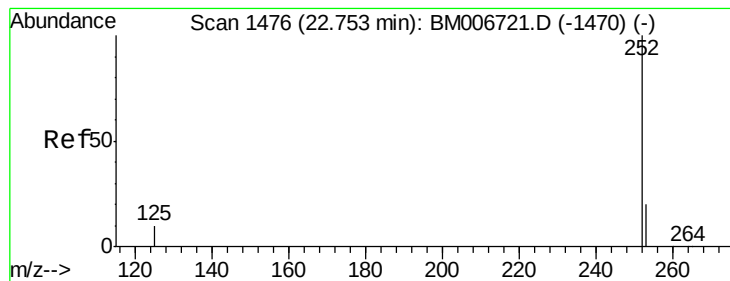
Ion Ratio Lower Upper

228 100

226 28.1 21.2 31.8

229 21.3 17.0 25.6





#21

Benzo(b)fluoranthene

Concen: 0.26 ng/ul

RT: 22.76 min Scan# 1476

Delta R.T. 0.00 min

Lab File: BM006727.D

Acq: 28 Jul 2016 18:28

Instrument :

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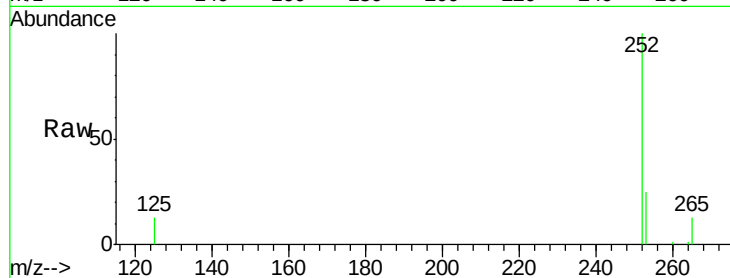
Tgt Ion:252 Resp: 8938

Ion Ratio Lower Upper

252 100

253 25.0 0.0 45.4

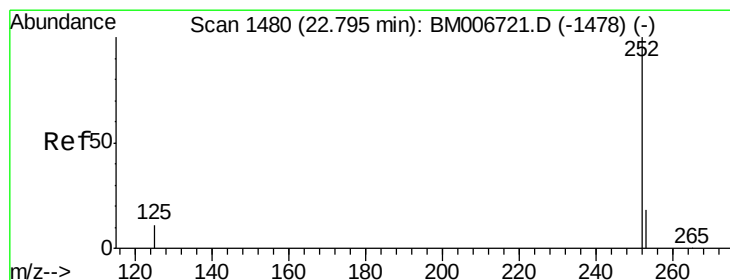
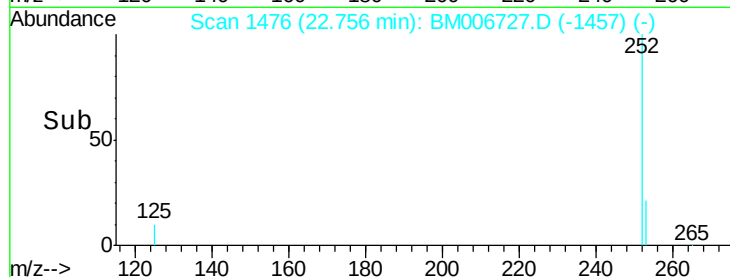
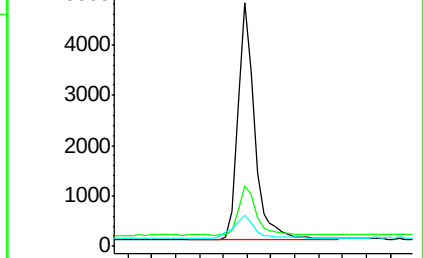
125 12.9 0.0 28.8



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



#22

Benzo(k)fluoranthene

Concen: 0.28 ng/ul

RT: 22.76 min Scan# 1476

Delta R.T. -0.04 min

Lab File: BM006727.D

Acq: 28 Jul 2016 18:28

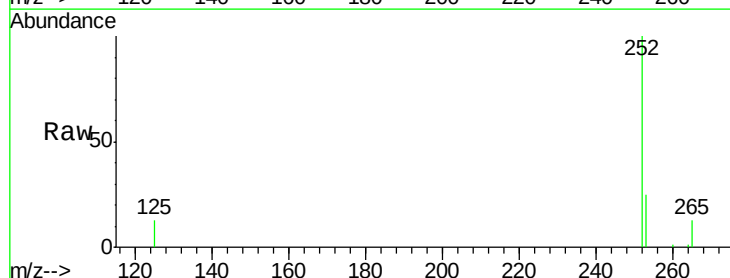
Tgt Ion:252 Resp: 8984

Ion Ratio Lower Upper

252 100

253 25.0 19.8 29.8

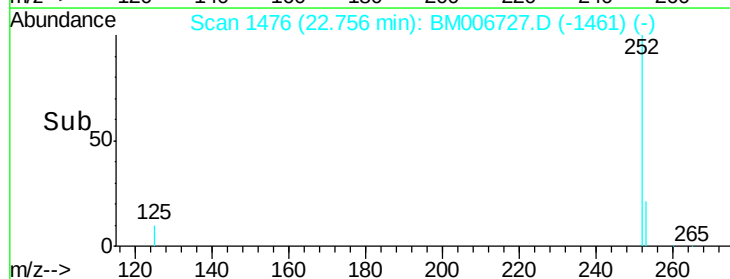
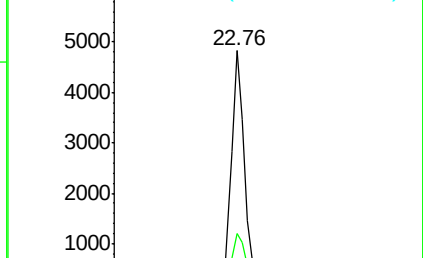
125 12.9 10.4 15.6

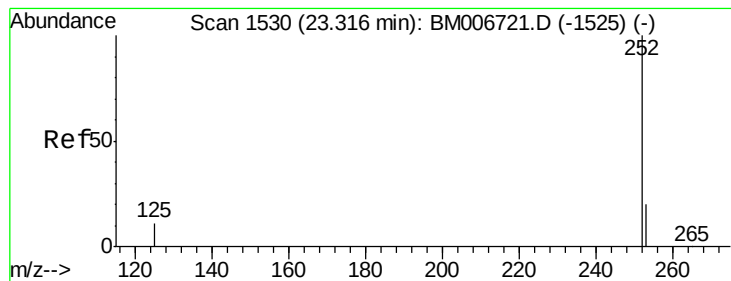


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.35 ng/ul

RT: 23.32 min Scan# 1530

Delta R.T. 0.00 min

Lab File: BM006727.D

Acq: 28 Jul 2016 18:28

Instrument :

BNA_M

ClientSampleId :

X2548DL

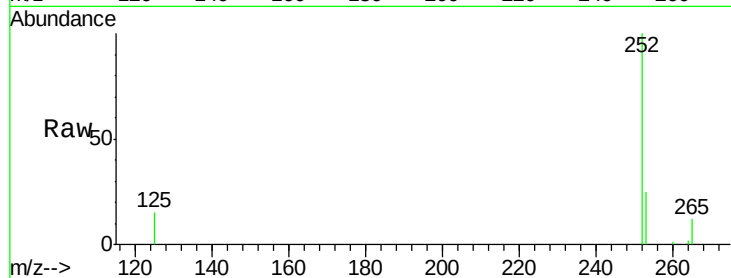
Tgt Ion:252 Resp: 11083

Ion Ratio Lower Upper

252 100

253 25.0 19.4 29.2

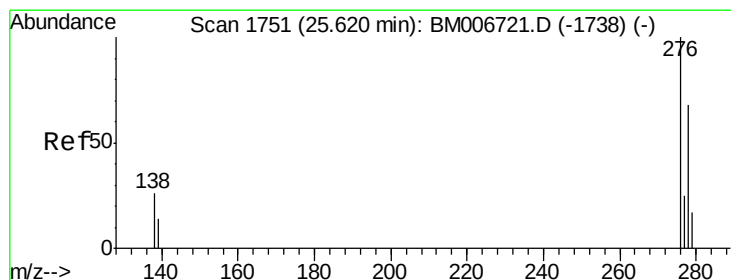
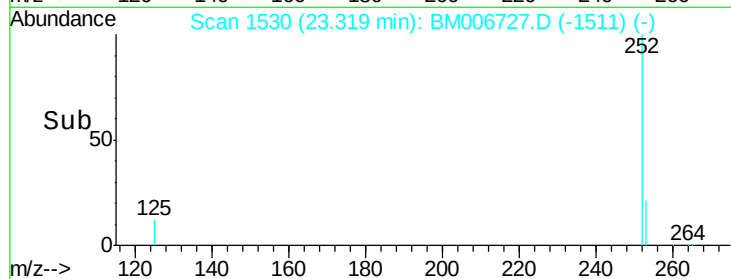
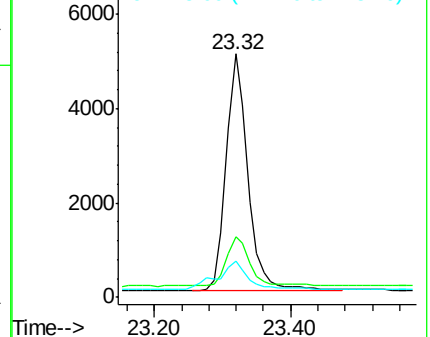
125 14.7 12.7 19.1



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.13 ng/ul

RT: 25.62 min Scan# 1751

Delta R.T. 0.00 min

Lab File: BM006727.D

Acq: 28 Jul 2016 18:28

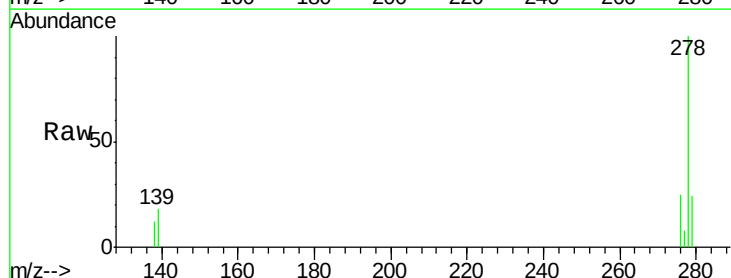
Tgt Ion:276 Resp: 5293

Ion Ratio Lower Upper

276 100

138 54.5 16.3 24.5#

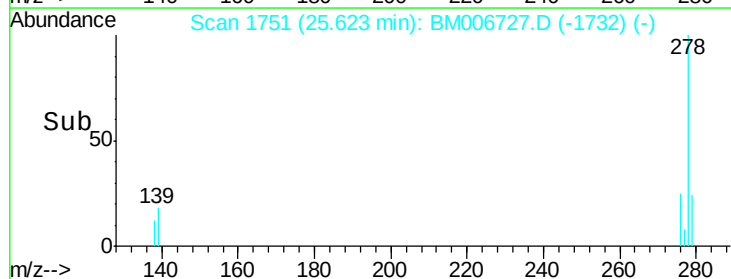
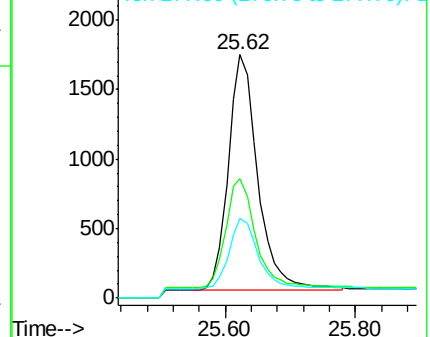
277 35.7 19.8 29.8#

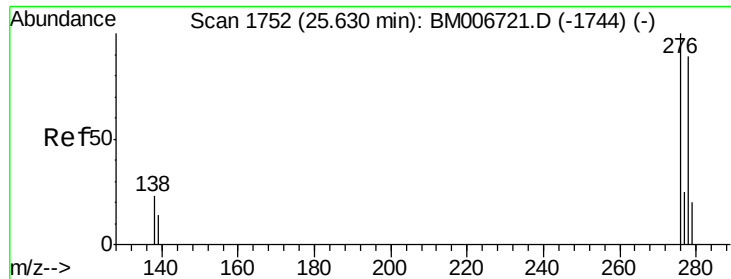


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.77 ng/ul

RT: 25.62 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BM006727.D

Acq: 28 Jul 2016 18:28

Instrument :

BNA_M

ClientSampleId :

X2548DL

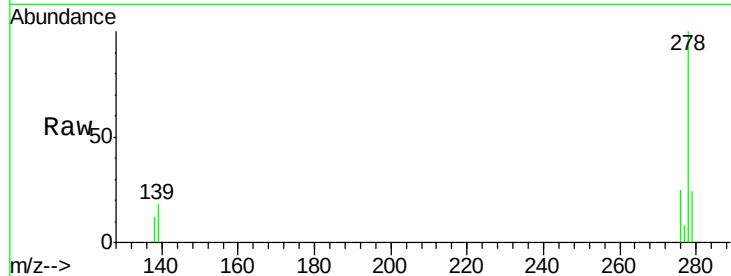
Tgt Ion: 278 Resp: 22807

Ion Ratio Lower Upper

278 100

139 17.9 16.4 24.6

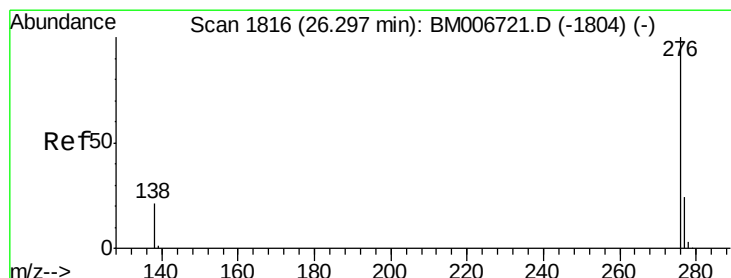
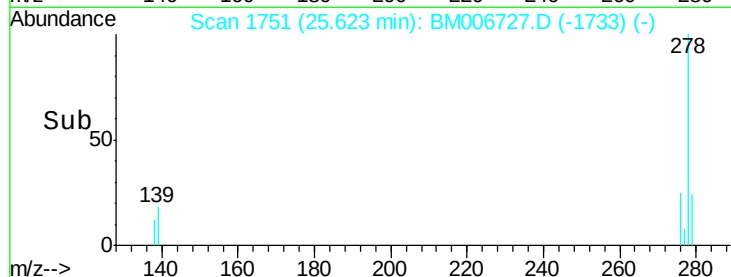
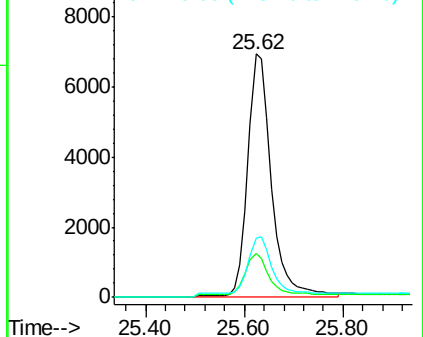
279 24.2 20.2 30.2



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



#26

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.31 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BM006727.D

Acq: 28 Jul 2016 18:28

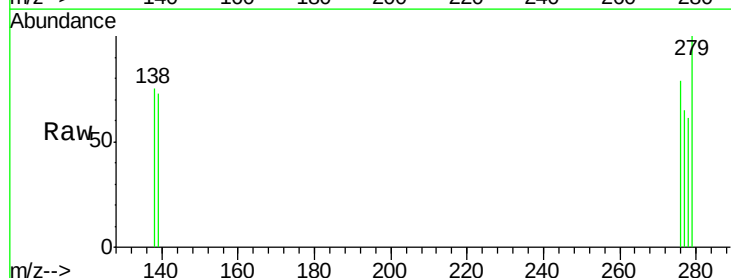
Tgt Ion: 276 Resp: 130

Ion Ratio Lower Upper

276 100

277 81.6 18.9 28.3#

138 94.3 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

