

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110416\
 Data File : BM007762.D
 Acq On : 04 Nov 2016 19:45
 Operator : UM/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.435

Quant Time: Nov 04 22:16:27 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 23:14:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	1142	0.40	ng/ul	0.00
2) Naphthalene-d8	10.54	136	3795	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	1923	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.12	188	3643	0.40	ng/ul	0.00
16) Chrysene-d12	21.32	240	3304	0.40	ng/ul	0.00
20) Perylene-d12	23.58	264	3296	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.13	152	1980	0.44	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	3852	0.47	ng/ul	0.00

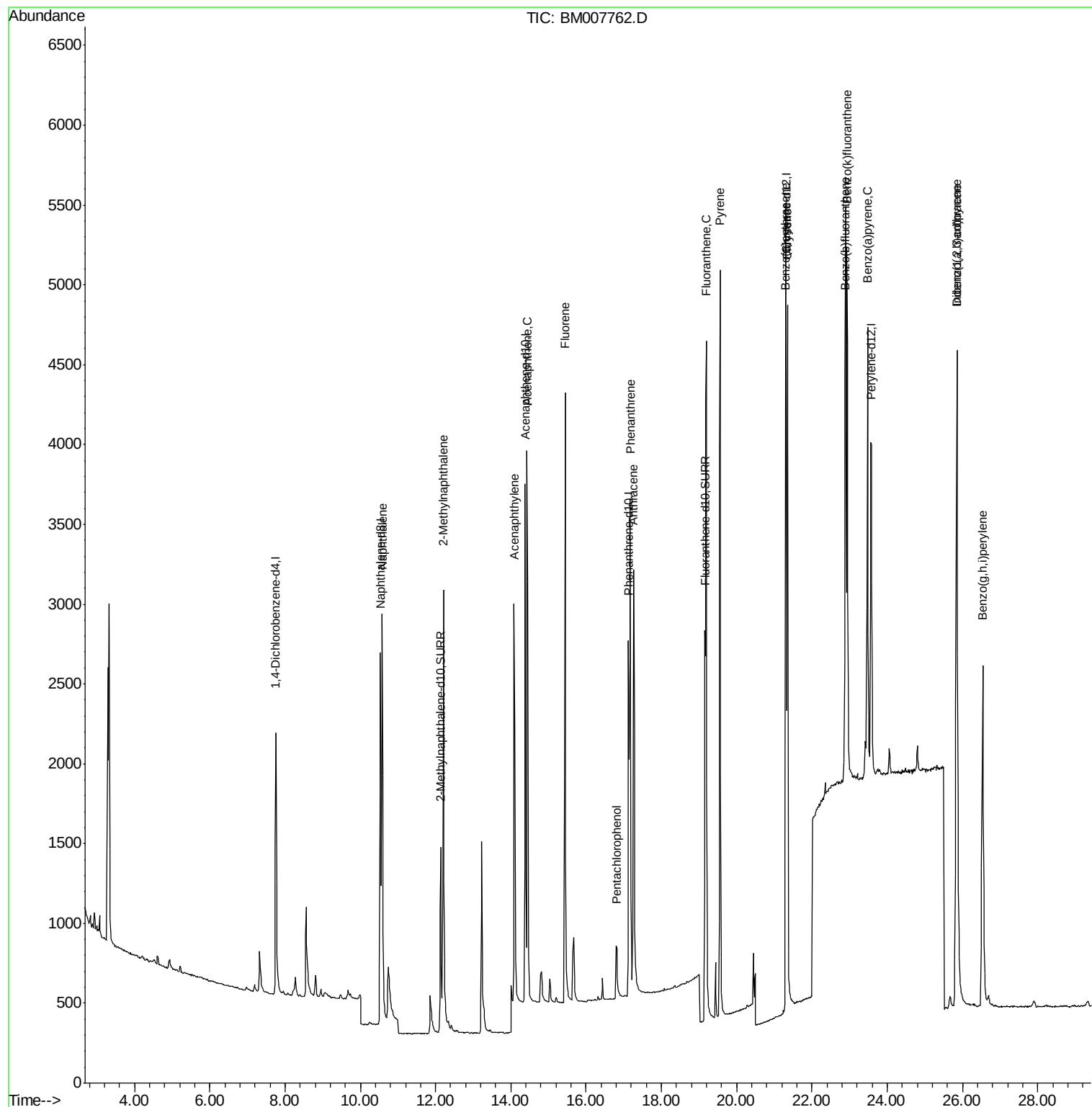
Target Compounds				Qvalue		
3) Naphthalene	10.58	128	4132	0.42	ng/ul	97
5) 2-Methylnaphthalene	12.21	142	2672	0.43	ng/ul	100
7) Acenaphthylene	14.09	152	3846	0.43	ng/ul	96
8) Acenaphthene	14.43	153	2712	0.39	ng/ul	89
9) Fluorene	15.44	166	3002	0.39	ng/ul	98
11) Pentachlorophenol	16.82	266	449	0.53	ng/ul	98
12) Phenanthrene	17.18	178	4386	0.43	ng/ul	95
13) Anthracene	17.26	178	4180	0.45	ng/ul	98
15) Fluoranthene	19.20	202	6412	0.53	ng/ul	98
17) Pyrene	19.56	202	5402	0.48	ng/ul	97
18) Benzo(a)anthracene	21.31	228	4511	0.48	ng/ul	97
19) Chrysene	21.35	228	4702	0.44	ng/ul	92
21) Benzo(b)fluoranthene	22.89	252	4972	0.44	ng/ul	96
22) Benzo(k)fluoranthene	22.93	252	4985	0.42	ng/ul	99
23) Benzo(a)pyrene	23.48	252	4855	0.46	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	25.84	276	5841	0.46	ng/ul	99
25) Dibenzo(a,h)anthracene	25.85	278	4591	0.45	ng/ul	96
26) Benzo(g,h,i)perylene	26.54	276	5086	0.44	ng/ul	98

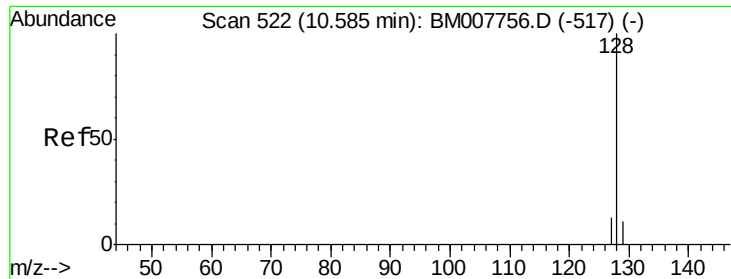
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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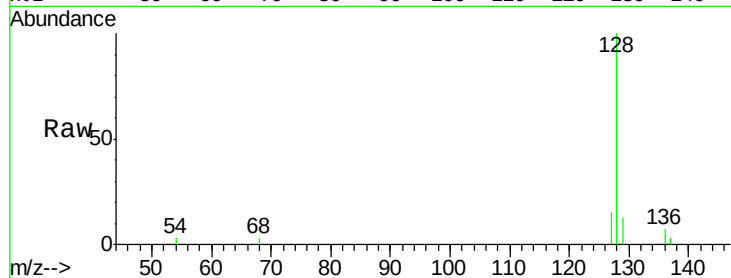




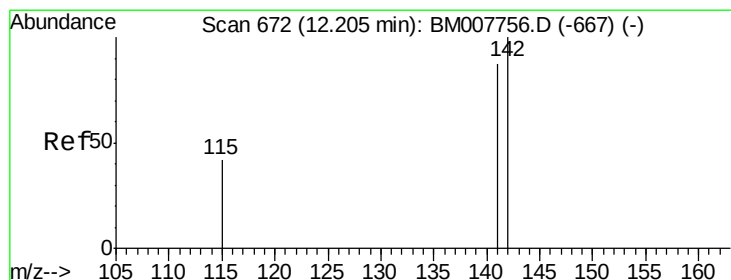
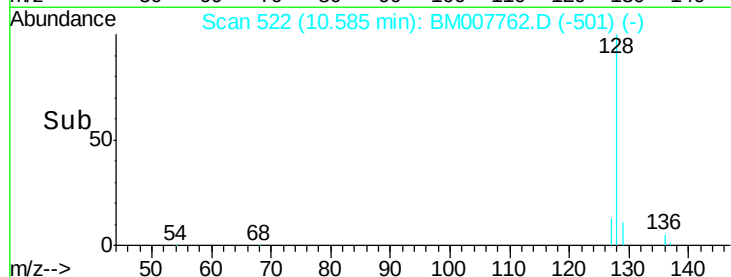
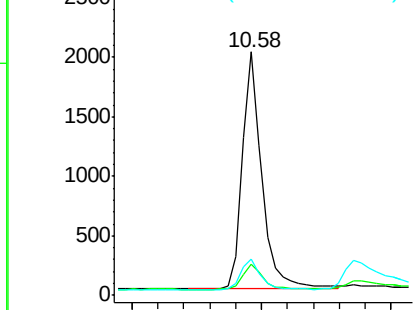
#3
Naphthalene
Concen: 0.42 ng/ul
RT: 10.58 min Scan# 522
Delta R.T. 0.00 min
Lab File: BM007762.D
Acq: 04 Nov 2016 19:45

Instrument :
BNA_M
ClientSampleId :
SSTD0.435

Tgt Ion:128 Resp: 4132
Ion Ratio Lower Upper
128 100
129 13.0 11.3 16.9
127 14.8 12.8 19.2

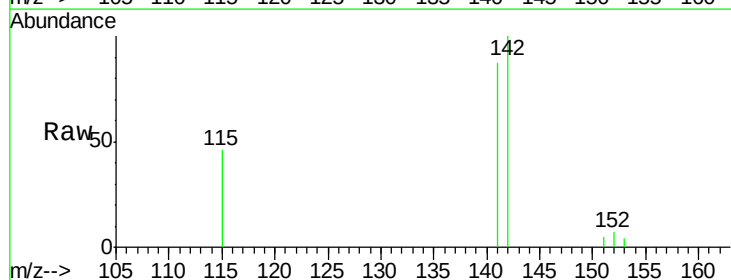


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

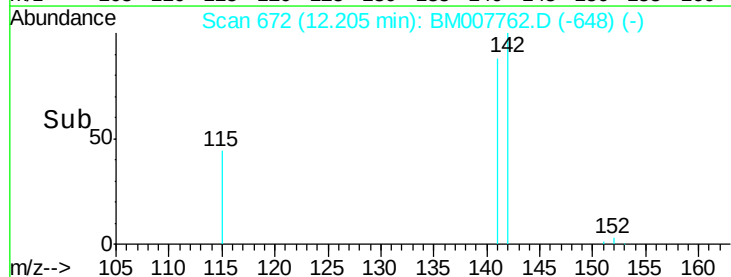
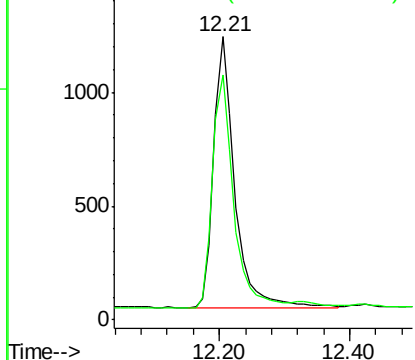


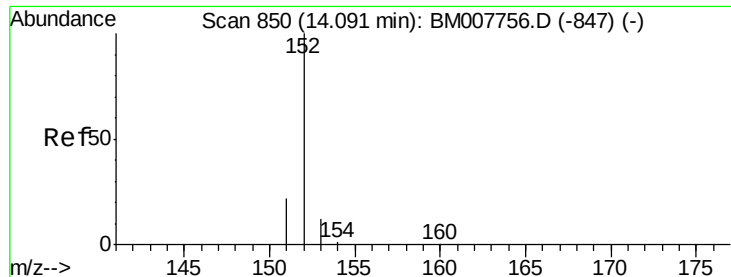
#5
2-Methylnaphthalene
Concen: 0.43 ng/ul
RT: 12.21 min Scan# 672
Delta R.T. -0.00 min
Lab File: BM007762.D
Acq: 04 Nov 2016 19:45

Tgt Ion:142 Resp: 2672
Ion Ratio Lower Upper
142 100
141 90.8 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: 0.43 ng/ul

RT: 14.09 min Scan# 850

Delta R.T. 0.00 min

Lab File: BM007762.D

Acq: 04 Nov 2016 19:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

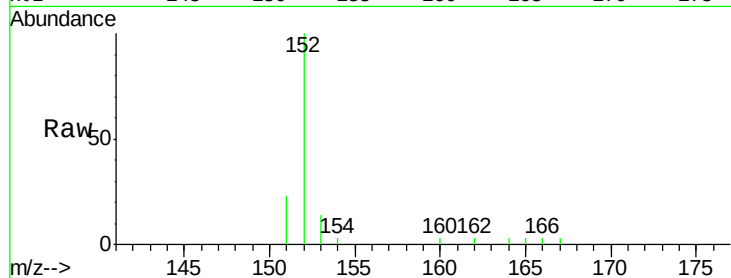
Tgt Ion:152 Resp: 3846

Ion Ratio Lower Upper

152 100

151 23.2 17.1 25.7

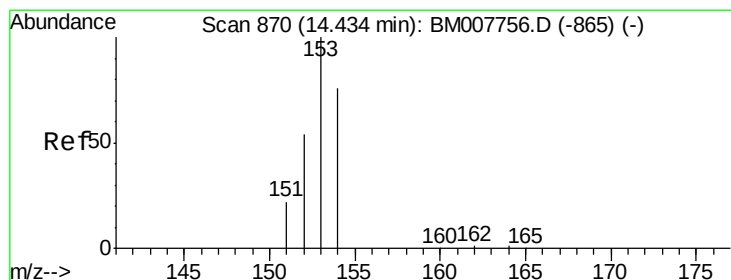
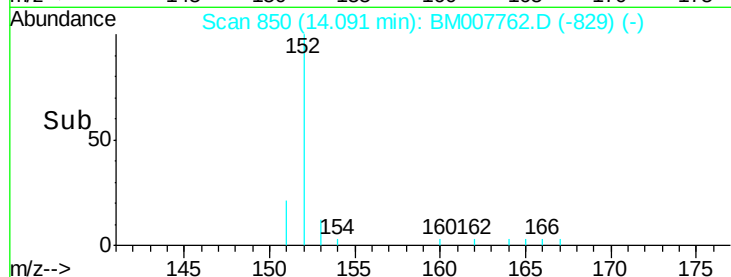
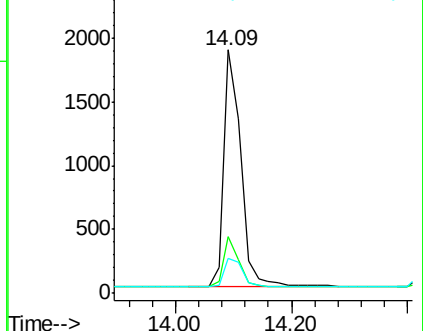
153 14.4 12.8 19.2



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: 0.39 ng/ul

RT: 14.43 min Scan# 870

Delta R.T. -0.00 min

Lab File: BM007762.D

Acq: 04 Nov 2016 19:45

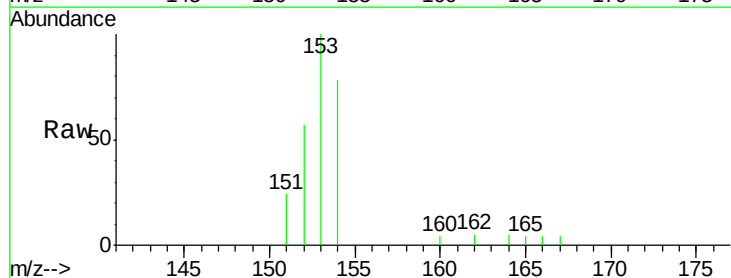
Tgt Ion:153 Resp: 2712

Ion Ratio Lower Upper

153 100

152 57.1 40.3 60.5

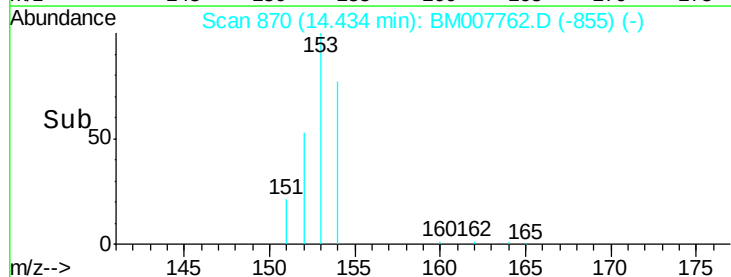
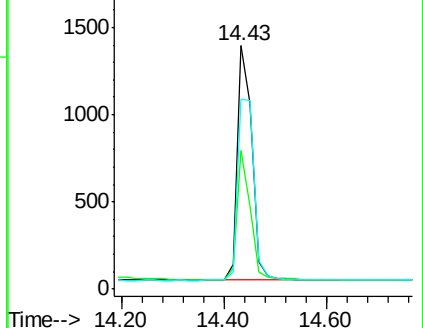
154 78.1 71.4 107.2

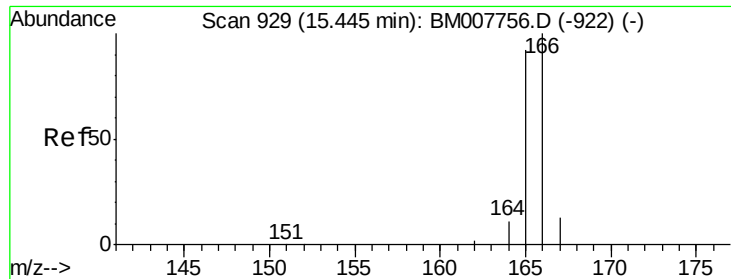


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

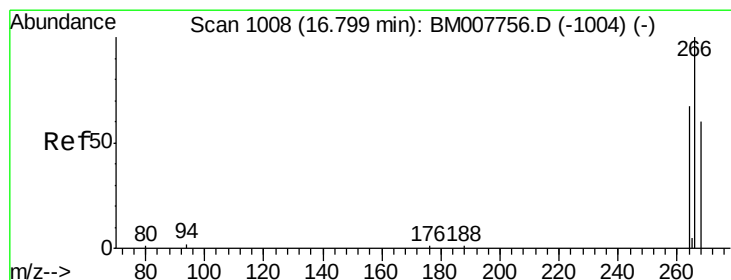
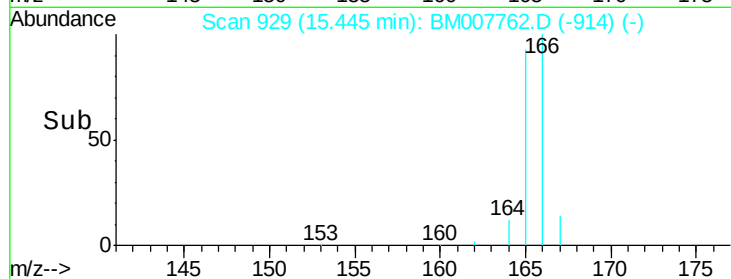
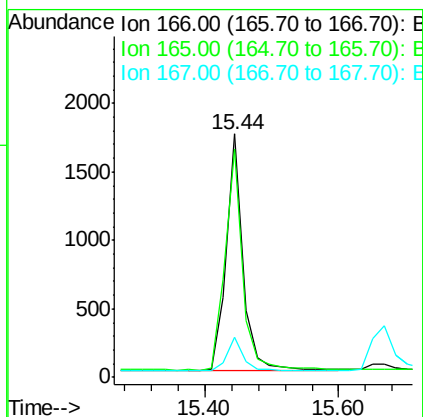
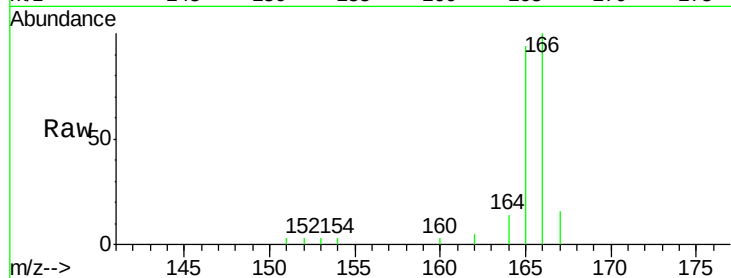




#9
Fluorene
 Concen: 0.39 ng/ul
 RT: 15.44 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: BM007762.D
 Acq: 04 Nov 2016 19:45

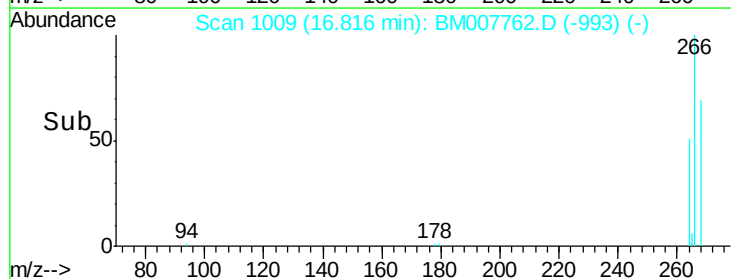
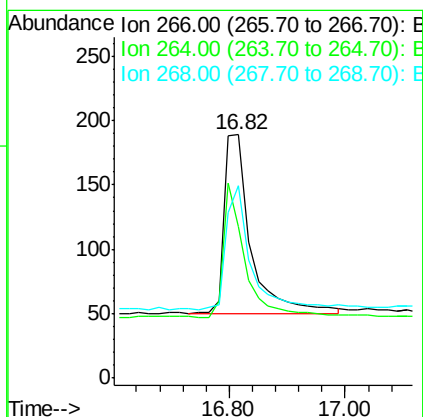
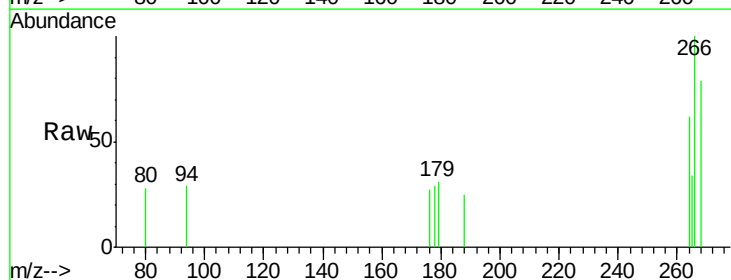
Instrument :
 BNA_M
 ClientSampleId :
 SST0.435

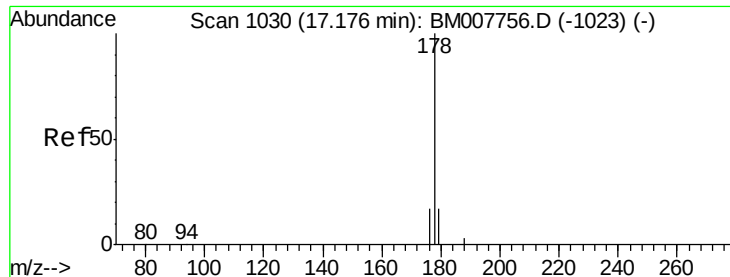
Tgt Ion:166 Resp: 3002
 Ion Ratio Lower Upper
 166 100
 165 93.6 73.4 110.2
 167 16.3 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.53 ng/ul
 RT: 16.82 min Scan# 1009
 Delta R.T. 0.02 min
 Lab File: BM007762.D
 Acq: 04 Nov 2016 19:45

Tgt Ion:266 Resp: 449
 Ion Ratio Lower Upper
 266 100
 264 61.0 47.9 71.9
 268 60.6 49.8 74.8





#12

Phenanthrene

Concen: 0.43 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BM007762.D

Acq: 04 Nov 2016 19:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

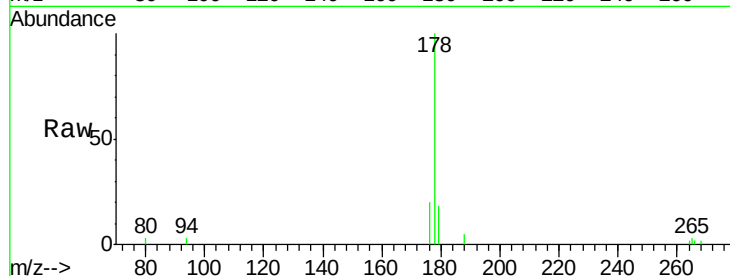
Tgt Ion:178 Resp: 4386

Ion Ratio Lower Upper

178 100

176 19.8 18.4 27.6

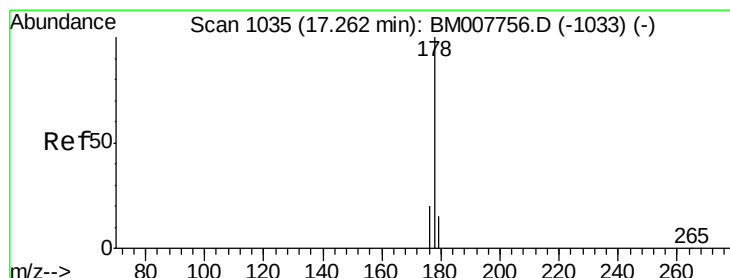
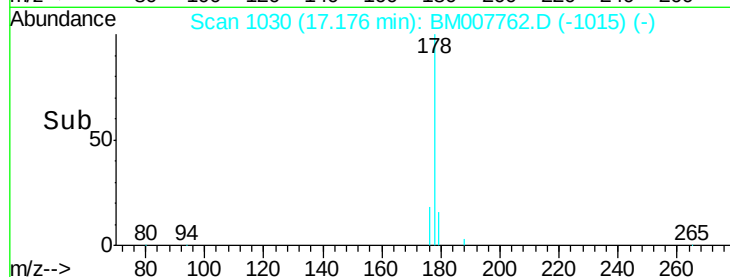
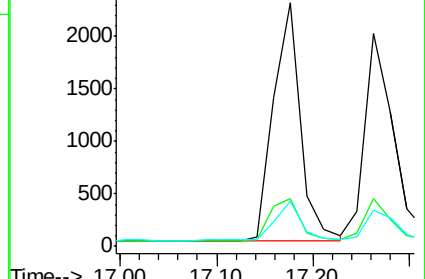
179 18.3 13.6 20.4



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: 0.45 ng/ul

RT: 17.26 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BM007762.D

Acq: 04 Nov 2016 19:45

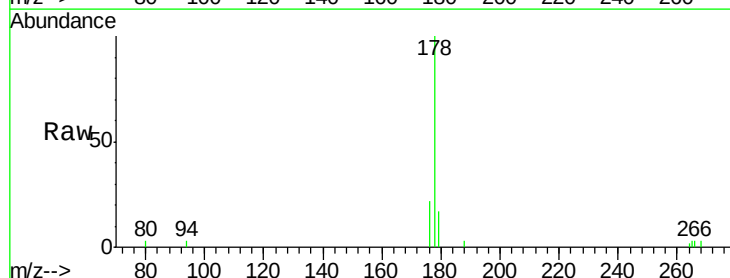
Tgt Ion:178 Resp: 4180

Ion Ratio Lower Upper

178 100

176 22.4 18.1 27.1

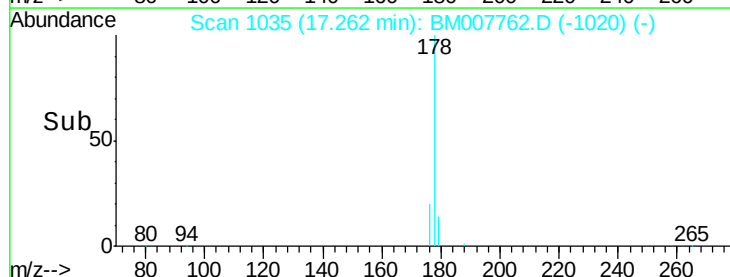
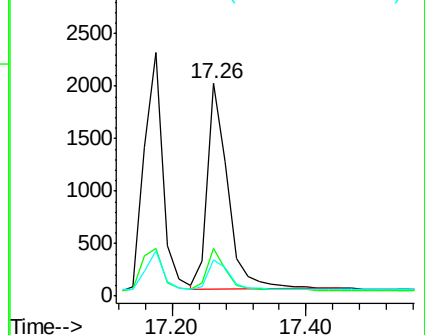
179 16.9 14.7 22.1

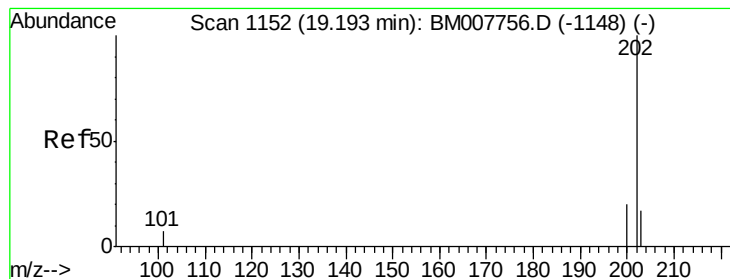


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.53 ng/ul

RT: 19.20 min Scan# 1152

Delta R.T. 0.01 min

Lab File: BM007762.D

Acq: 04 Nov 2016 19:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

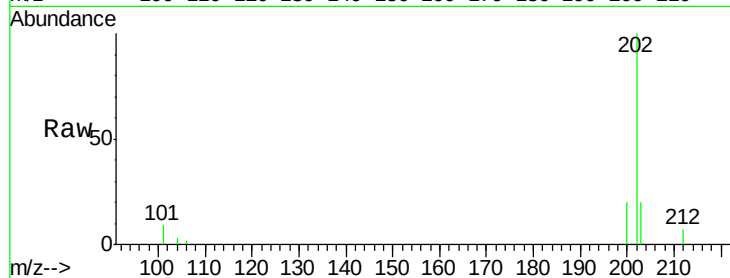
Tgt Ion:202 Resp: 6412

Ion Ratio Lower Upper

202 100

101 8.6 0.0 30.3

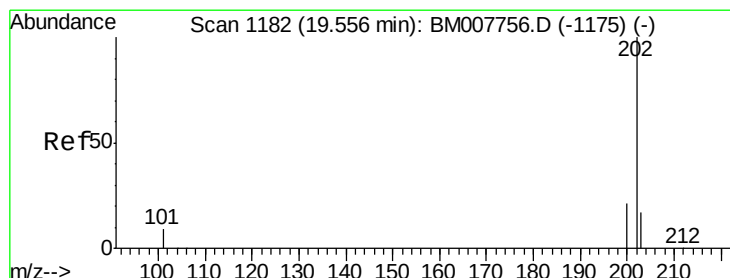
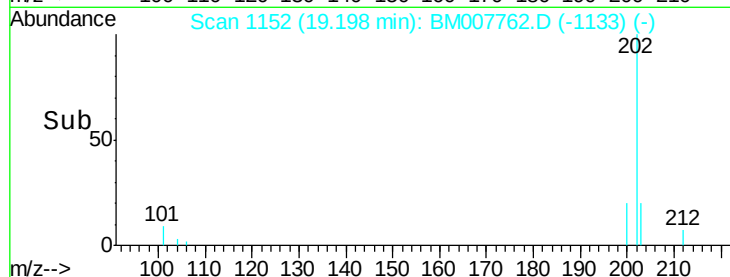
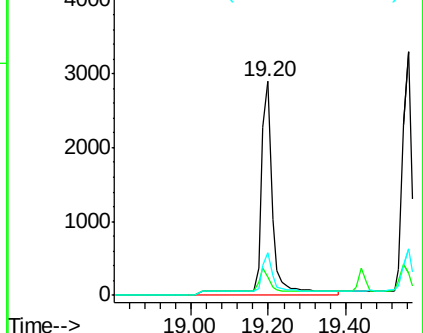
203 20.0 0.0 39.5



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: 0.48 ng/ul

RT: 19.56 min Scan# 1182

Delta R.T. 0.01 min

Lab File: BM007762.D

Acq: 04 Nov 2016 19:45

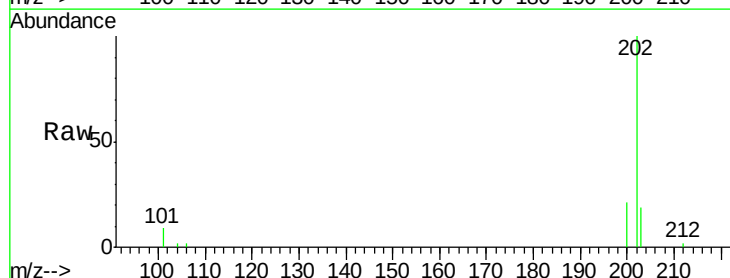
Tgt Ion:202 Resp: 5402

Ion Ratio Lower Upper

202 100

200 20.7 18.2 27.4

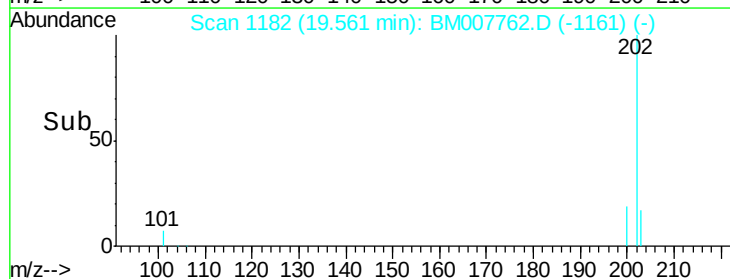
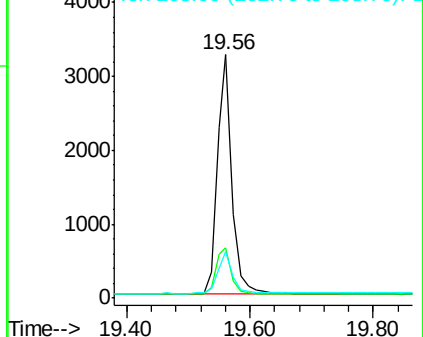
203 19.1 15.6 23.4

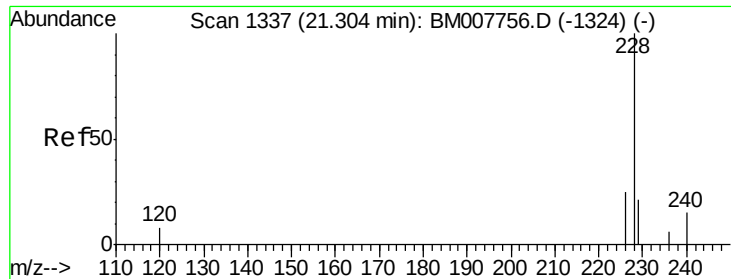


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.48 ng/ul

RT: 21.31 min Scan# 1337

Delta R.T. 0.00 min

Lab File: BM007762.D

Acq: 04 Nov 2016 19:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

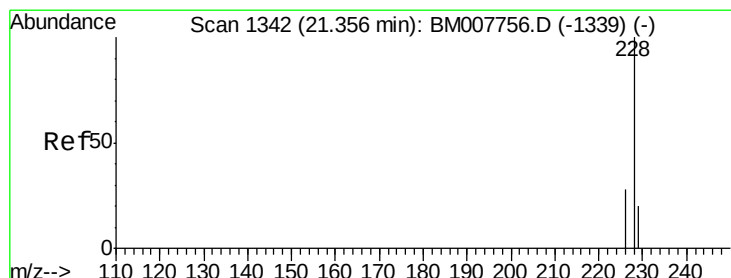
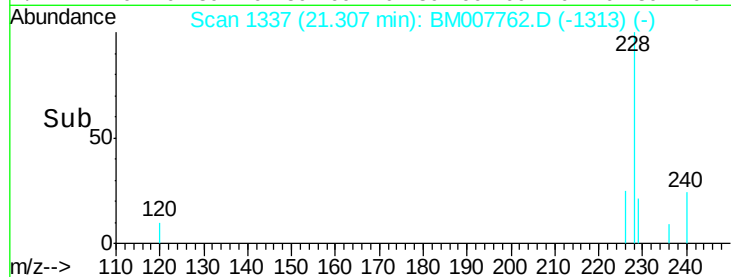
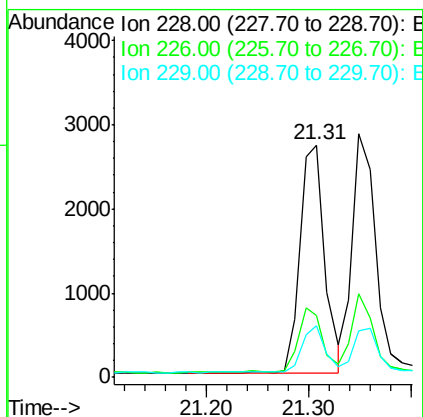
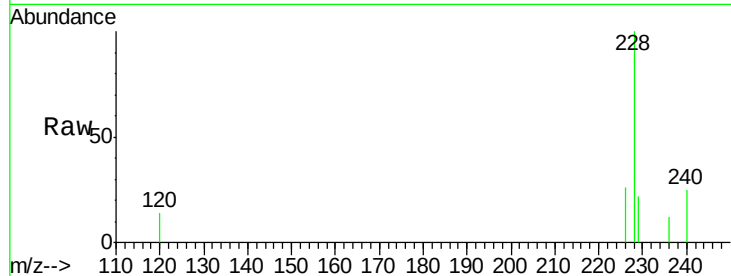
Tgt Ion:228 Resp: 4511

Ion Ratio Lower Upper

228 100

226 26.4 22.8 34.2

229 22.3 17.0 25.6



#19

Chrysene

Concen: 0.44 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BM007762.D

Acq: 04 Nov 2016 19:45

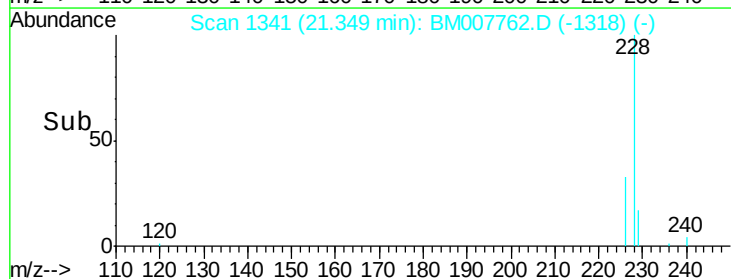
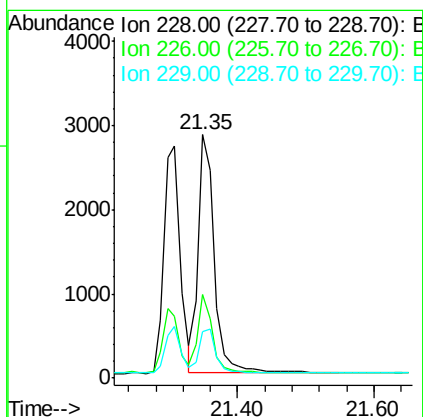
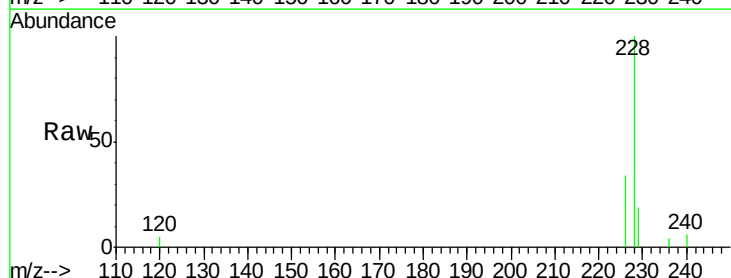
Tgt Ion:228 Resp: 4702

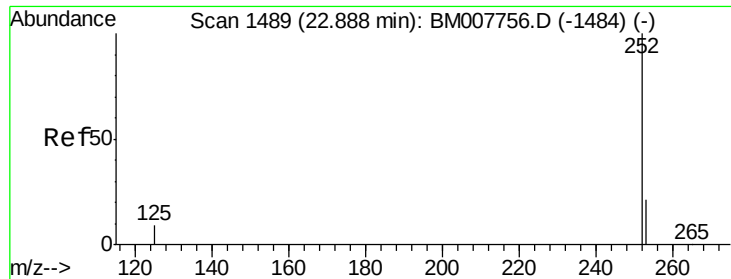
Ion Ratio Lower Upper

228 100

226 34.3 23.4 35.0

229 19.1 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.44 ng/ul

RT: 22.89 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM007762.D

Acq: 04 Nov 2016 19:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

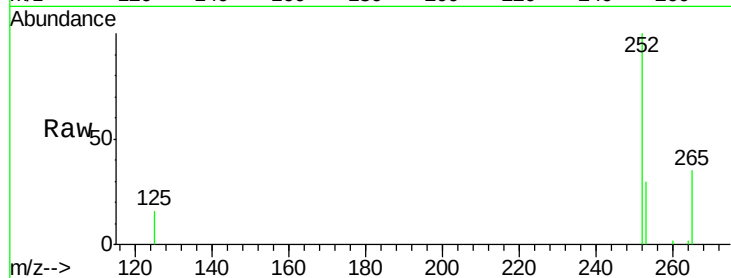
Tgt Ion:252 Resp: 4972

Ion Ratio Lower Upper

252 100

253 29.9 0.0 64.2

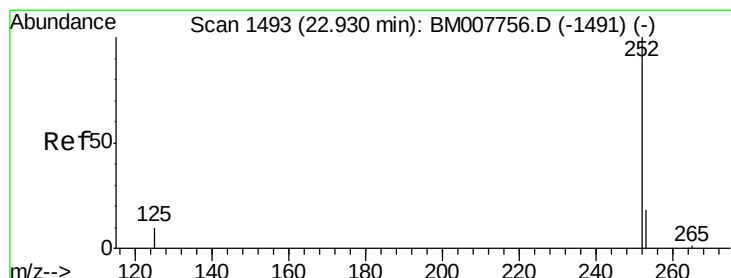
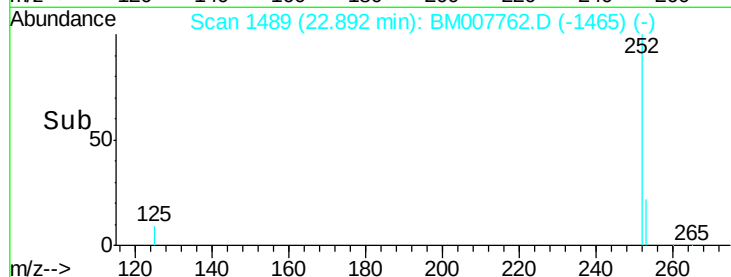
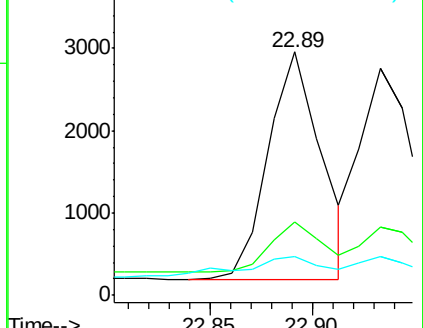
125 16.2 0.0 35.0



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: 0.42 ng/ul

RT: 22.93 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BM007762.D

Acq: 04 Nov 2016 19:45

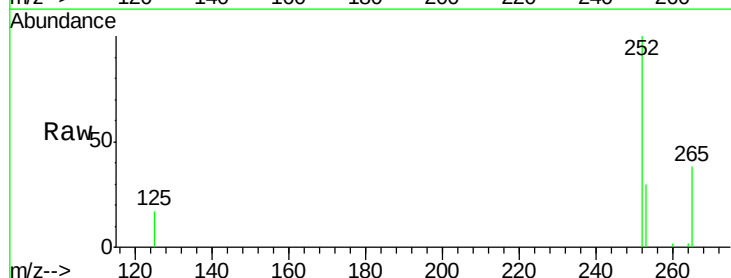
Tgt Ion:252 Resp: 4985

Ion Ratio Lower Upper

252 100

253 29.8 24.5 36.7

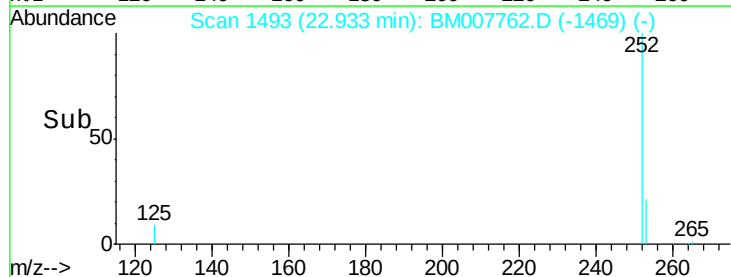
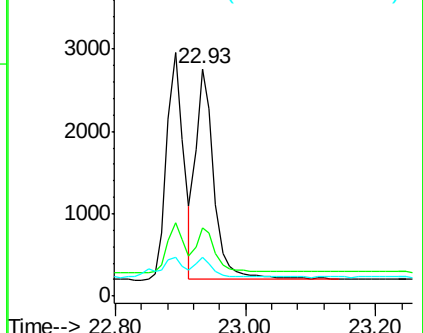
125 16.8 13.7 20.5

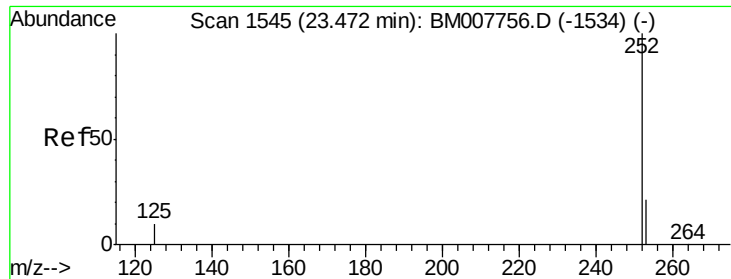


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.46 ng/ul

RT: 23.48 min Scan# 1545

Delta R.T. 0.00 min

Lab File: BM007762.D

Acq: 04 Nov 2016 19:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

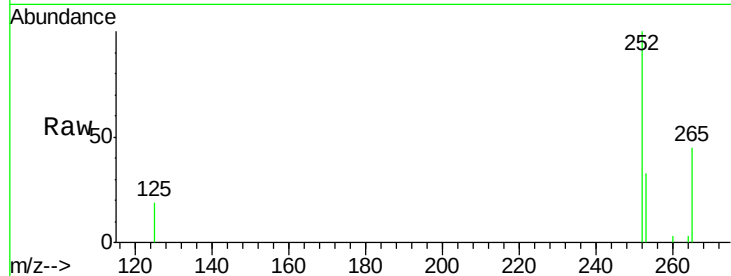
Tgt Ion:252 Resp: 4855

Ion Ratio Lower Upper

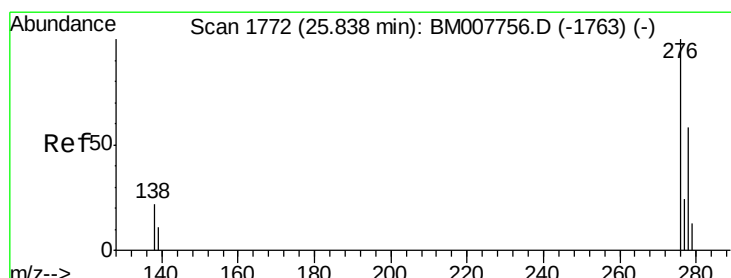
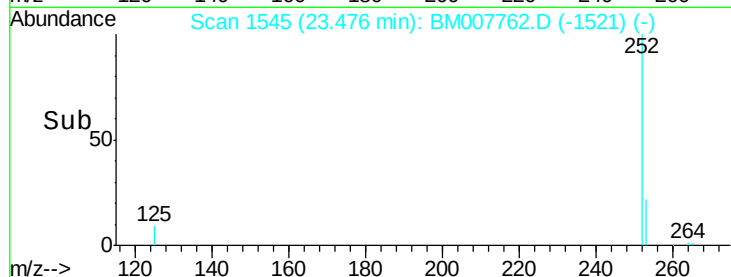
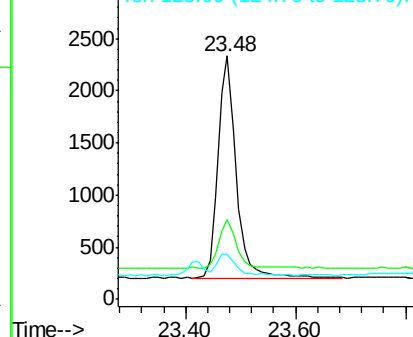
252 100

253 32.7 28.5 42.7

125 18.7 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: 0.46 ng/ul

RT: 25.84 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BM007762.D

Acq: 04 Nov 2016 19:45

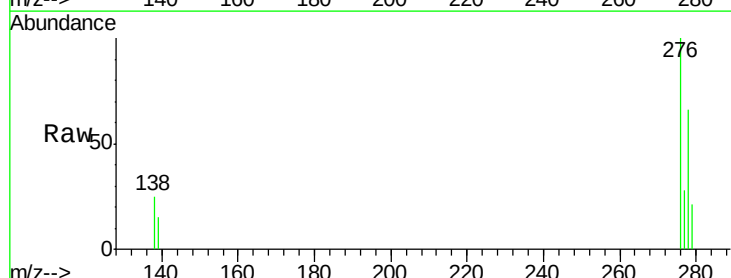
Tgt Ion:276 Resp: 5841

Ion Ratio Lower Upper

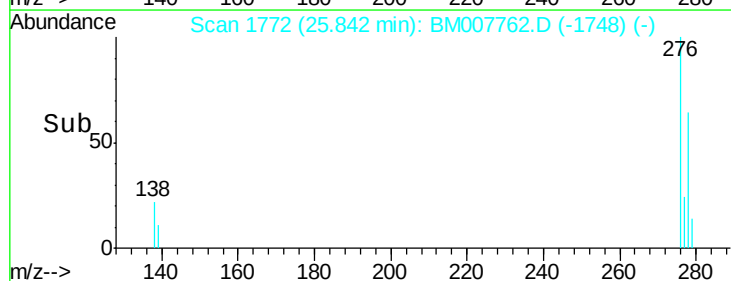
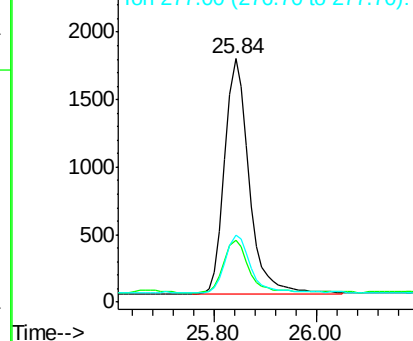
276 100

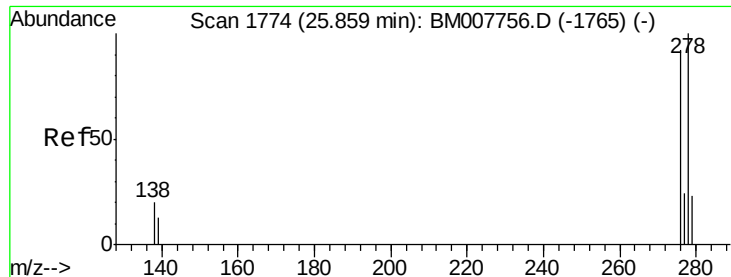
138 22.9 19.1 28.7

277 24.4 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: 0.45 ng/ul

RT: 25.85 min Scan# 1773

Delta R.T. -0.01 min

Lab File: BM007762.D

Acq: 04 Nov 2016 19:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

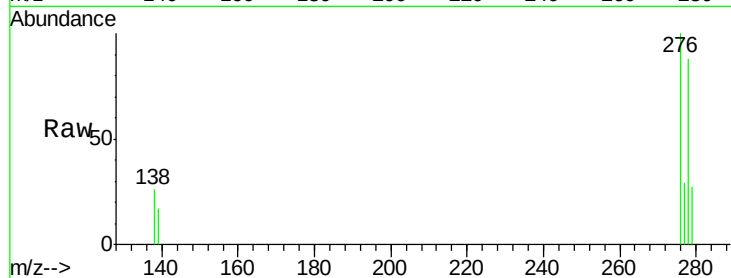
Tgt Ion: 278 Resp: 4591

Ion Ratio Lower Upper

278 100

139 19.8 17.4 26.0

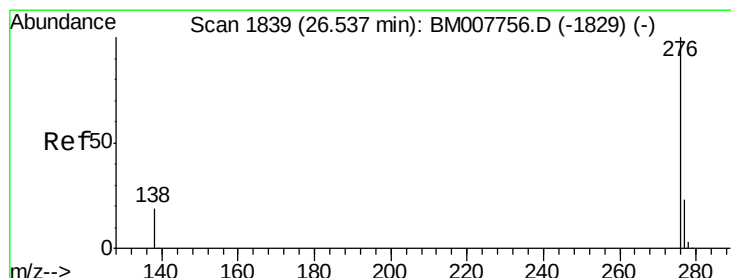
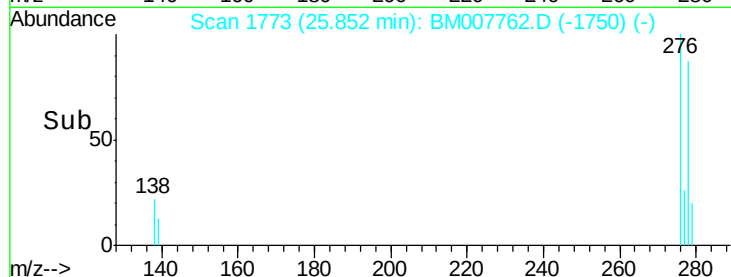
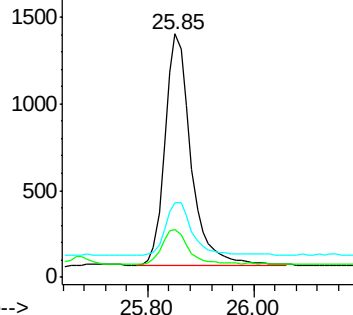
279 30.6 25.9 38.9



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: 0.44 ng/ul

RT: 26.54 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BM007762.D

Acq: 04 Nov 2016 19:45

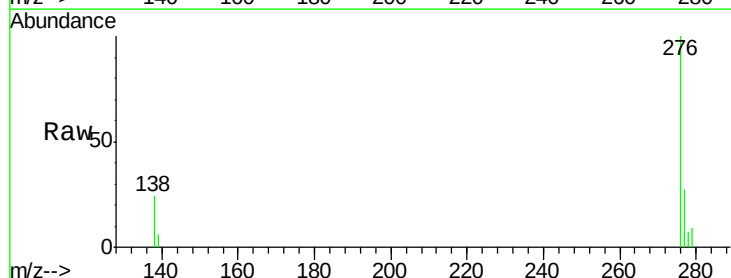
Tgt Ion: 276 Resp: 5086

Ion Ratio Lower Upper

276 100

277 27.3 21.8 32.8

138 23.6 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

