

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110416\
 Data File : BM007756.D
 Acq On : 04 Nov 2016 16:13
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.434

Quant Time: Nov 04 22:14:24 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 11:17:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	971	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.54	136	3313	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.38	164	1753	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.12	188	3587	0.40	ng/ul	-0.02
16) Chrysene-d12	21.32	240	3462	0.40	ng/ul	0.00
20) Perylene-d12	23.58	264	3481	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.13	152	1769	0.45	ng/ul	-0.02
14) Fluoranthene-d10	19.17	212	3857	0.48	ng/ul	-0.01

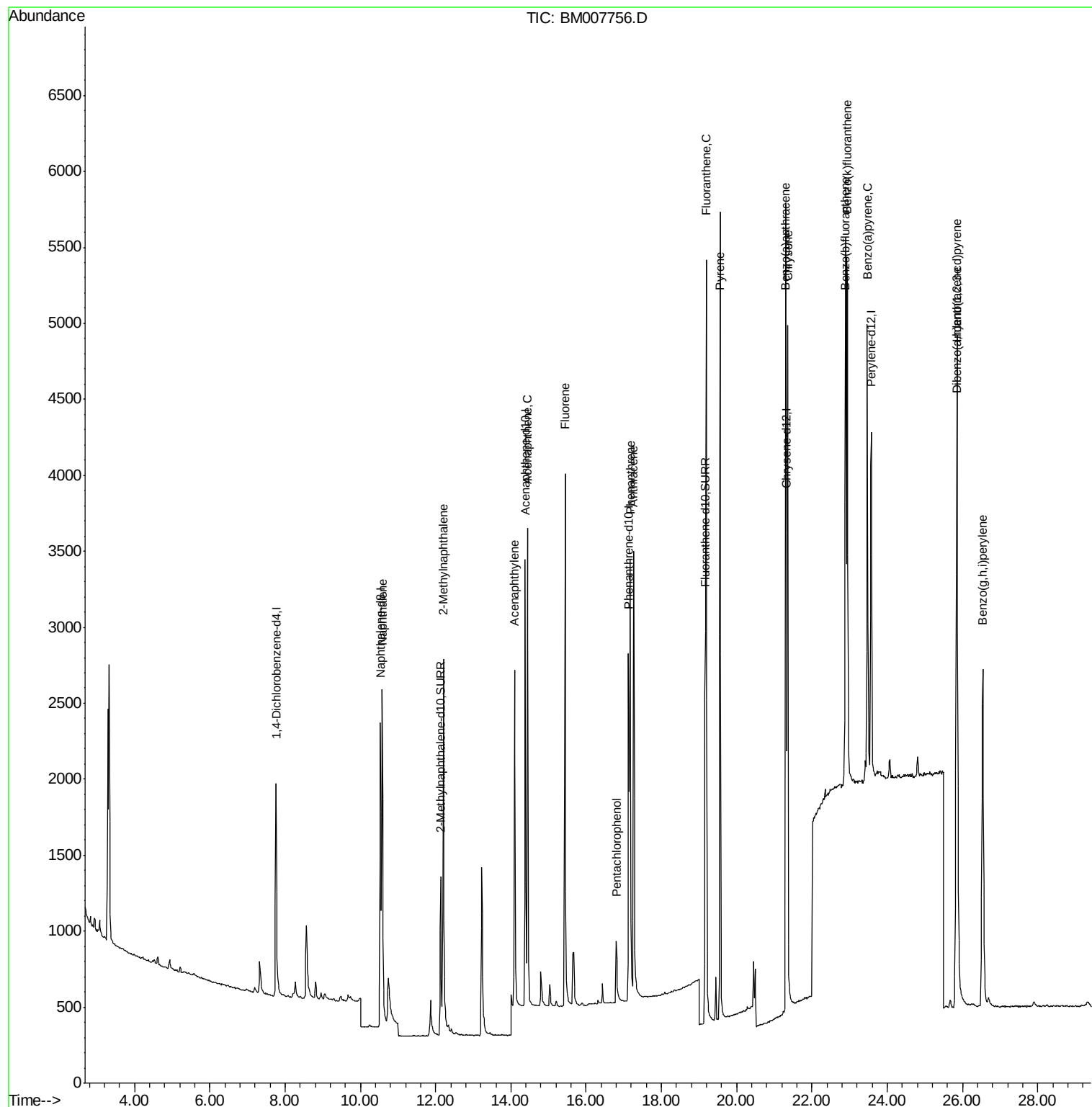
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.58	128	3552	0.42	ng/ul	99
5) 2-Methylnaphthalene	12.21	142	2344	0.44	ng/ul	98
7) Acenaphthylene	14.09	152	3476	0.42	ng/ul	95
8) Acenaphthene	14.43	153	2480	0.40	ng/ul	89
9) Fluorene	15.44	166	2805	0.40	ng/ul	99
11) Pentachlorophenol	16.80	266	450	0.53	ng/ul	99
12) Phenanthrene	17.18	178	4328	0.43	ng/ul	93
13) Anthracene	17.26	178	4144	0.45	ng/ul	98
15) Fluoranthene	19.19	202	5373	0.45	ng/ul	98
17) Pyrene	19.56	202	5462	0.46	ng/ul	98
18) Benzo(a)anthracene	21.30	228	4723	0.48	ng/ul	97
19) Chrysene	21.36	228	4973	0.44	ng/ul	100
21) Benzo(b)fluoranthene	22.89	252	4990	0.42	ng/ul	96
22) Benzo(k)fluoranthene	22.93	252	5326	0.43	ng/ul	98
23) Benzo(a)pyrene	23.47	252	5045	0.45	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.84	276	5932	0.44	ng/ul	99
25) Dibenzo(a,h)anthracene	25.86	278	4660	0.43	ng/ul	96
26) Benzo(g,h,i)perylene	26.54	276	5171	0.43	ng/ul	97

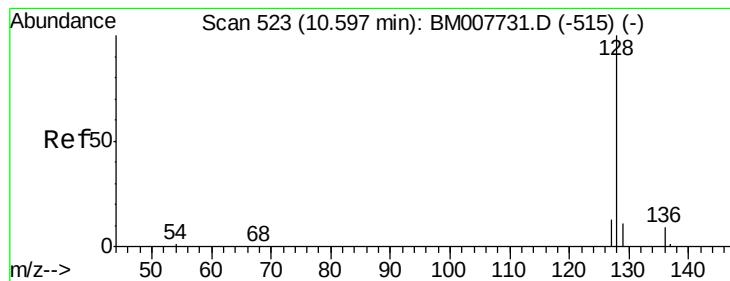
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.42 ng/ul

RT: 10.58 min Scan# 522

Delta R.T. -0.01 min

Lab File: BM007756.D

Acq: 04 Nov 2016 16:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

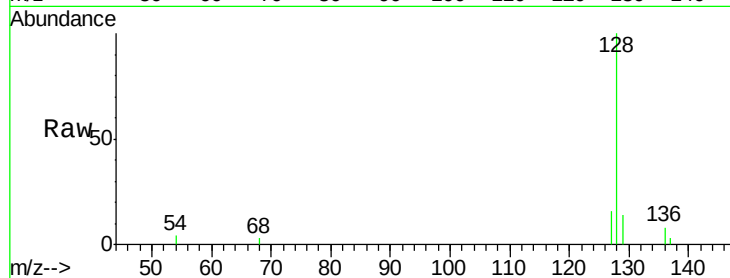
Tgt Ion:128 Resp: 3552

Ion Ratio Lower Upper

128 100

129 13.6 11.3 16.9

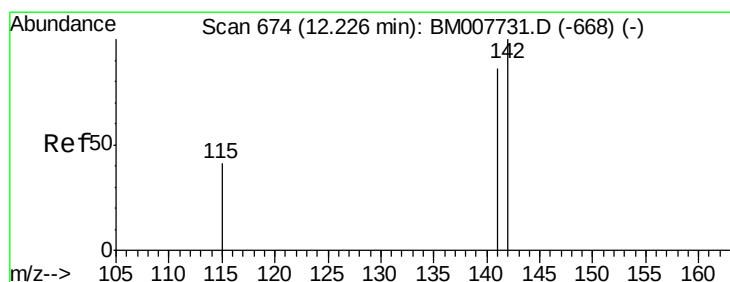
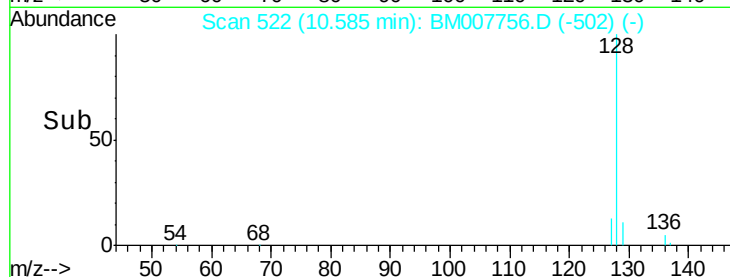
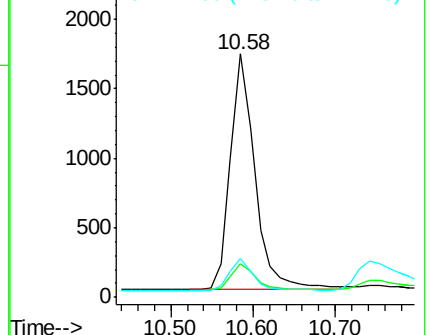
127 15.8 12.8 19.2



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: 0.44 ng/ul

RT: 12.21 min Scan# 672

Delta R.T. -0.02 min

Lab File: BM007756.D

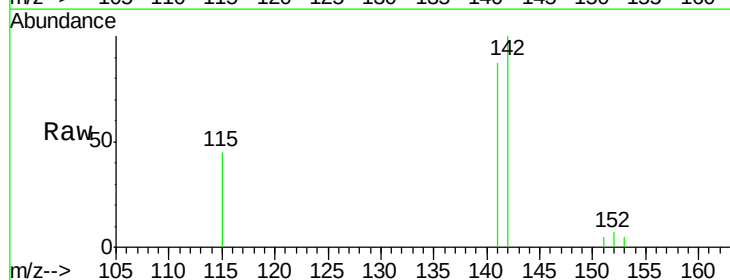
Acq: 04 Nov 2016 16:13

Tgt Ion:142 Resp: 2344

Ion Ratio Lower Upper

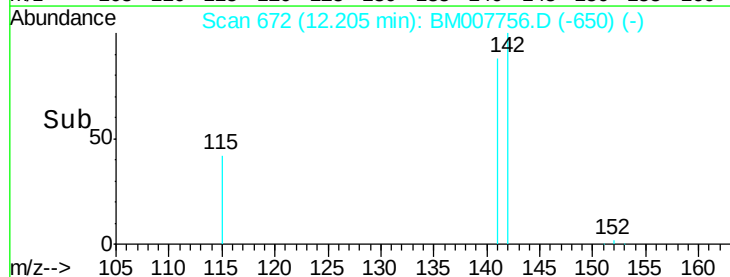
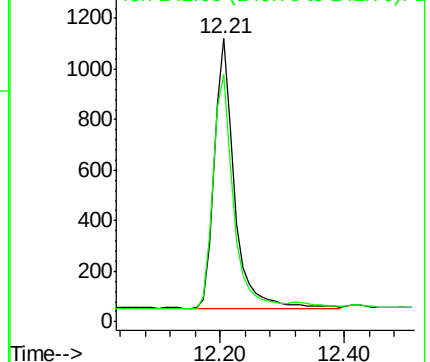
142 100

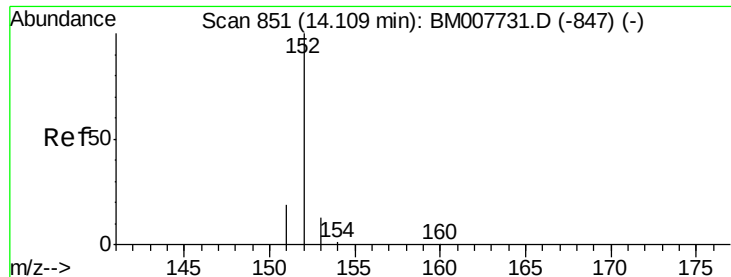
141 92.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.42 ng/ul

RT: 14.09 min Scan# 850

Delta R.T. -0.02 min

Lab File: BM007756.D

Acq: 04 Nov 2016 16:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

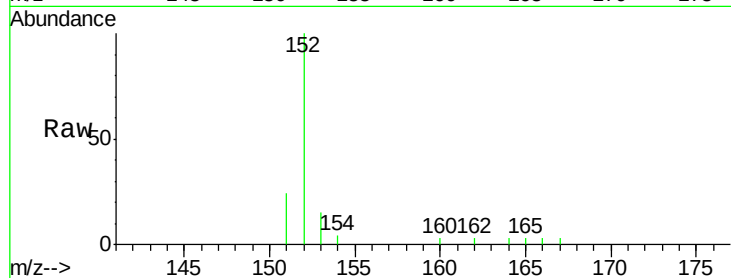
Tgt Ion:152 Resp: 3476

Ion Ratio Lower Upper

152 100

151 24.2 17.1 25.7

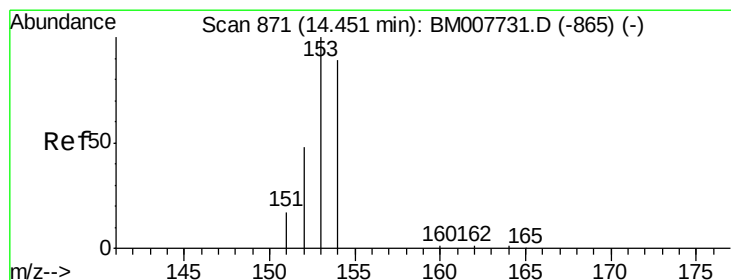
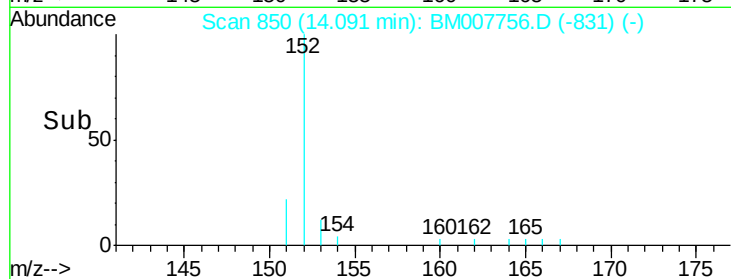
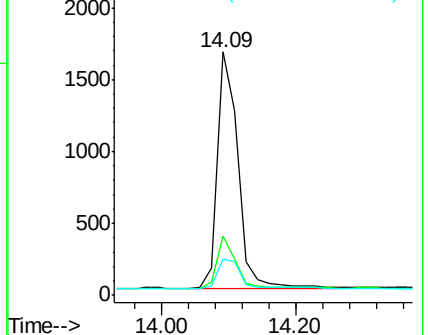
153 14.7 12.8 19.2



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: 0.40 ng/ul

RT: 14.43 min Scan# 870

Delta R.T. -0.02 min

Lab File: BM007756.D

Acq: 04 Nov 2016 16:13

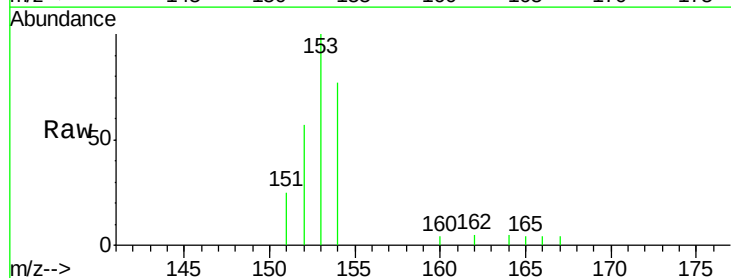
Tgt Ion:153 Resp: 2480

Ion Ratio Lower Upper

153 100

152 56.6 40.3 60.5

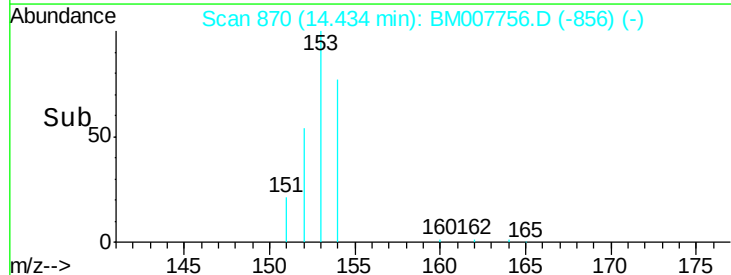
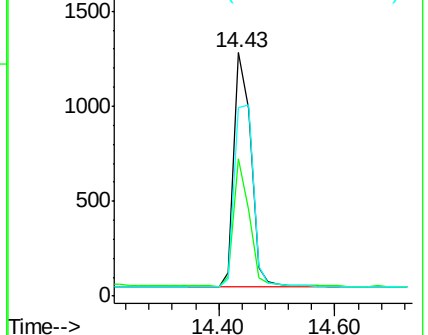
154 77.2 71.4 107.2

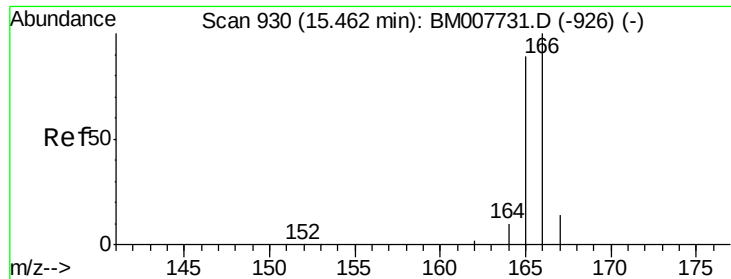


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.40 ng/ul

RT: 15.44 min Scan# 929

Delta R.T. -0.02 min

Lab File: BM007756.D

Acq: 04 Nov 2016 16:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

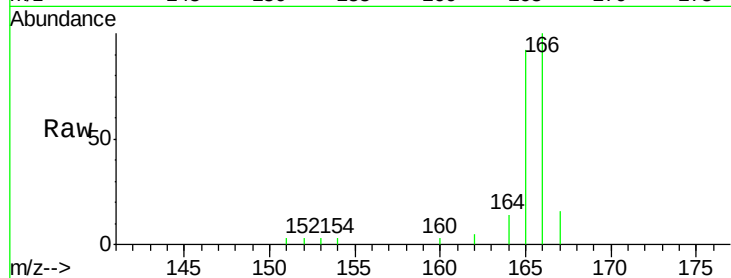
Tgt Ion:166 Resp: 2805

Ion Ratio Lower Upper

166 100

165 92.2 73.4 110.2

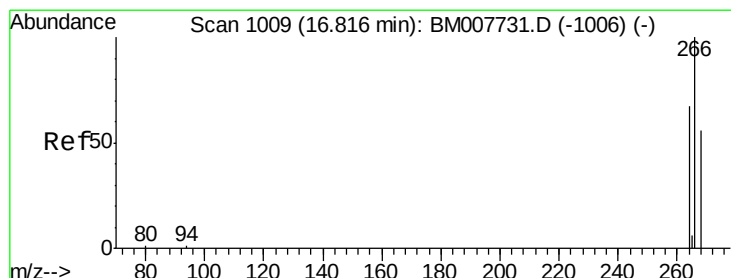
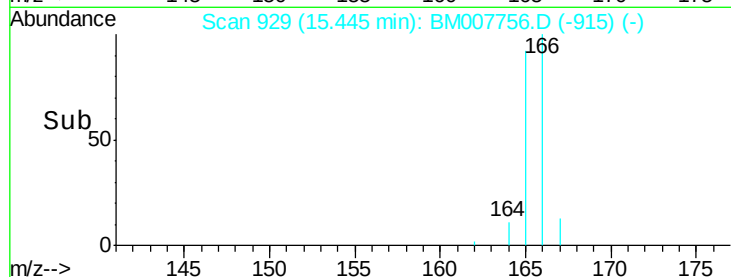
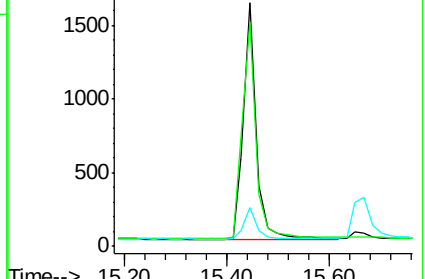
167 16.1 14.6 22.0



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: 0.53 ng/ul

RT: 16.80 min Scan# 1008

Delta R.T. -0.03 min

Lab File: BM007756.D

Acq: 04 Nov 2016 16:13

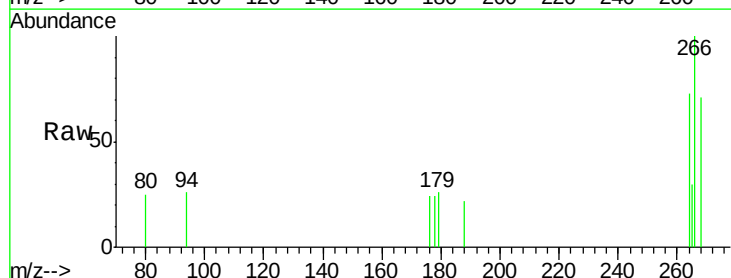
Tgt Ion:266 Resp: 450

Ion Ratio Lower Upper

266 100

264 61.3 47.9 71.9

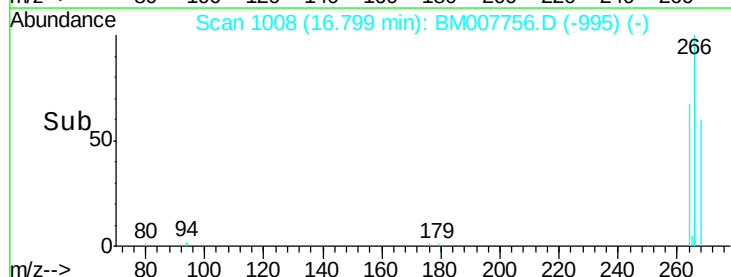
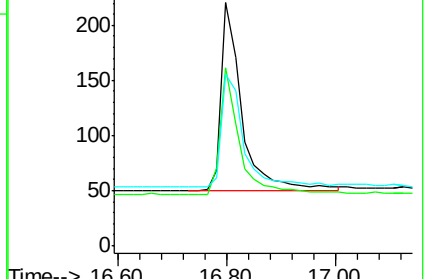
268 61.8 49.8 74.8

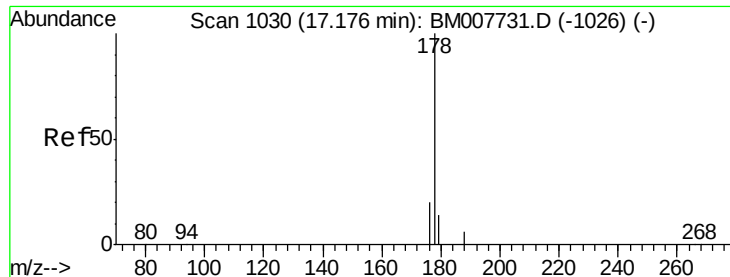


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.43 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BM007756.D

Acq: 04 Nov 2016 16:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

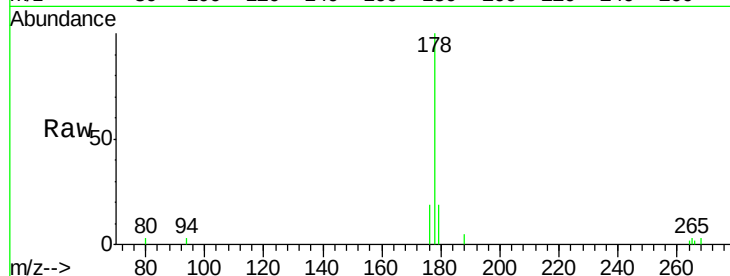
Tgt Ion:178 Resp: 4328

Ion Ratio Lower Upper

178 100

176 18.8 18.4 27.6

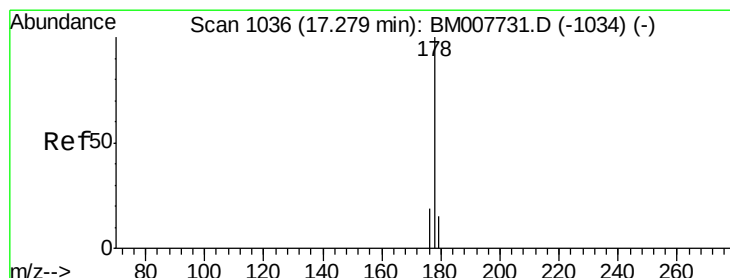
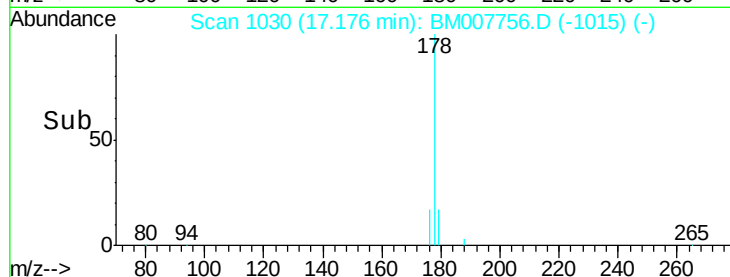
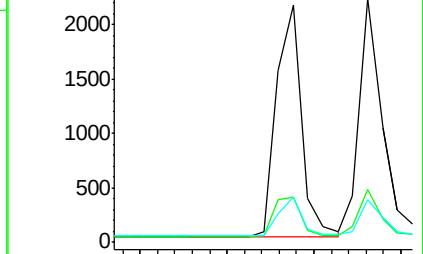
179 18.9 13.6 20.4



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. -0.02 min

Lab File: BM007756.D

Acq: 04 Nov 2016 16:13

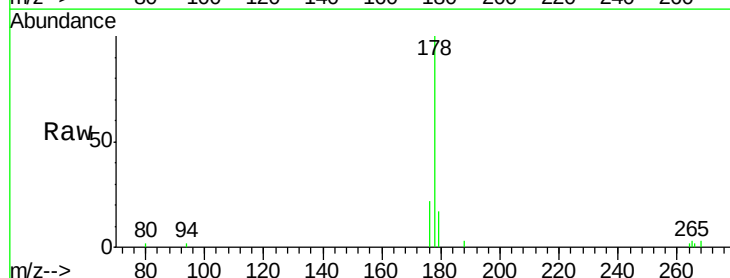
Tgt Ion:178 Resp: 4144

Ion Ratio Lower Upper

178 100

176 21.6 18.1 27.1

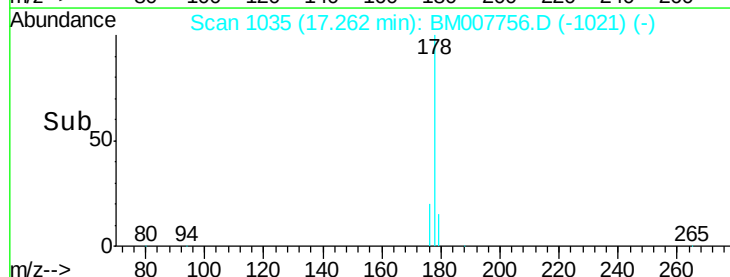
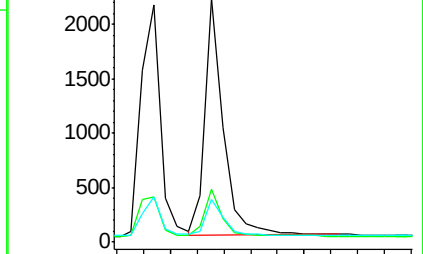
179 17.4 14.7 22.1

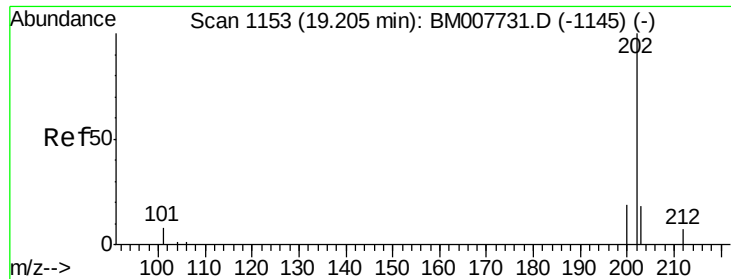


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

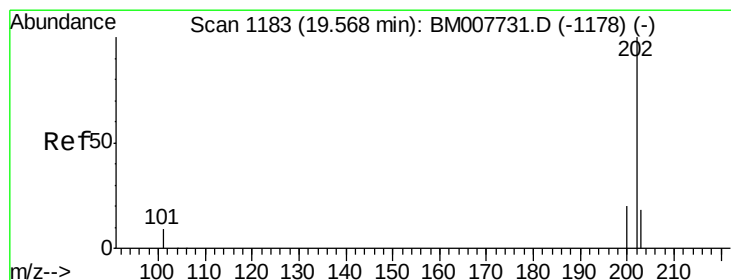
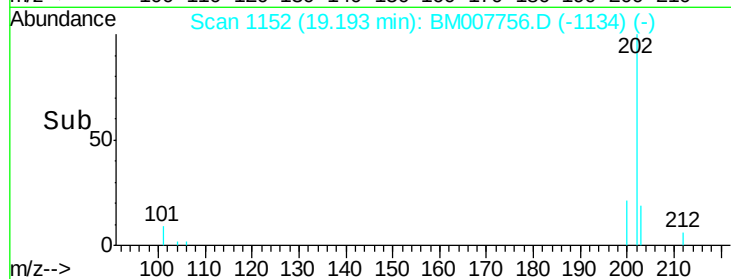
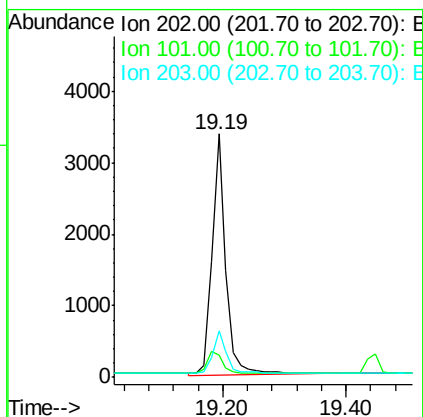
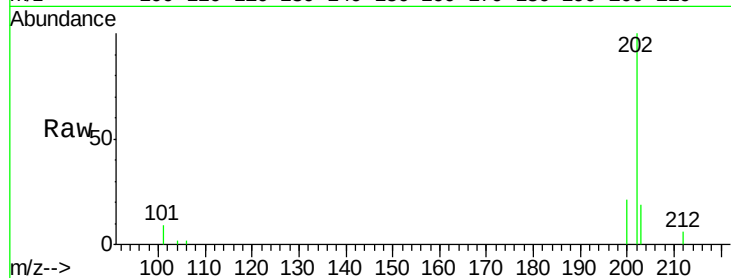




#15
Fluoranthene
Concen: 0.45 ng/ul
RT: 19.19 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BM007756.D
Acq: 04 Nov 2016 16:13

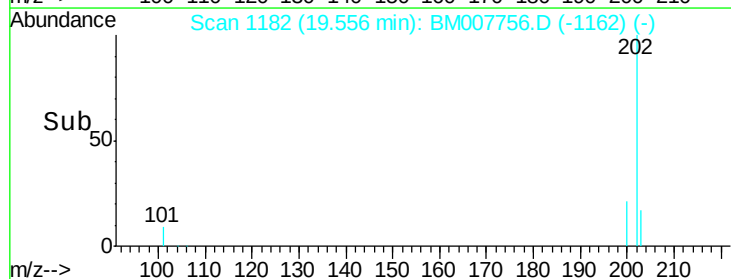
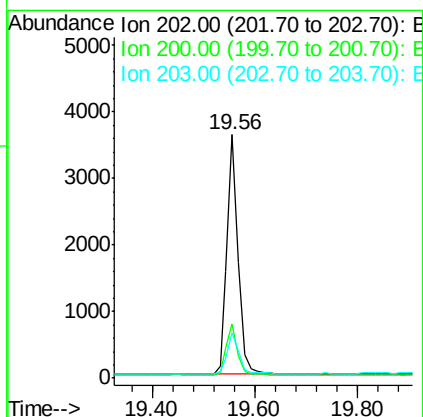
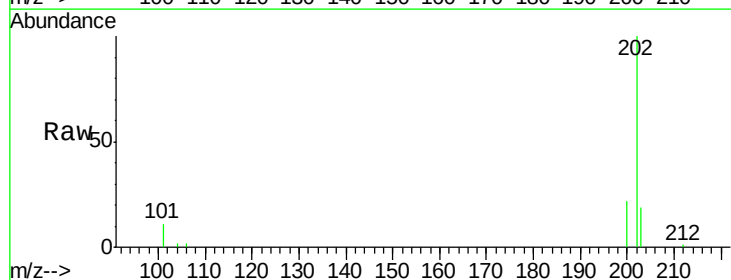
Instrument :
BNA_M
ClientSampleId :
SSTD0.434

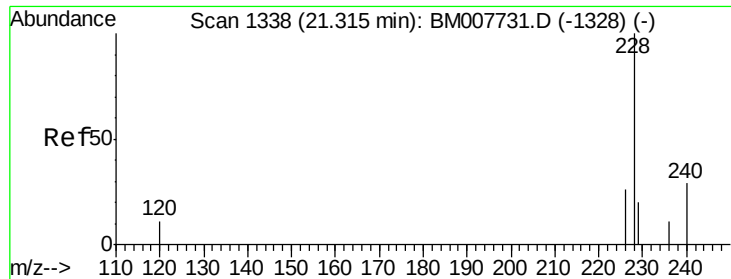
Tgt Ion:202 Resp: 5373
Ion Ratio Lower Upper
202 100
101 9.0 0.0 30.3
203 18.9 0.0 39.5



#17
Pyrene
Concen: 0.46 ng/ul
RT: 19.56 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BM007756.D
Acq: 04 Nov 2016 16:13

Tgt Ion:202 Resp: 5462
Ion Ratio Lower Upper
202 100
200 22.1 18.2 27.4
203 18.7 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.48 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM007756.D

Acq: 04 Nov 2016 16:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

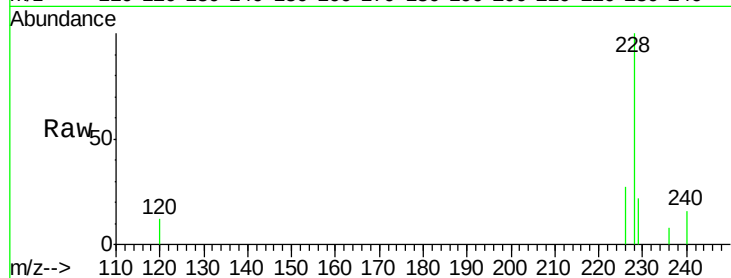
Tgt Ion:228 Resp: 4723

Ion Ratio Lower Upper

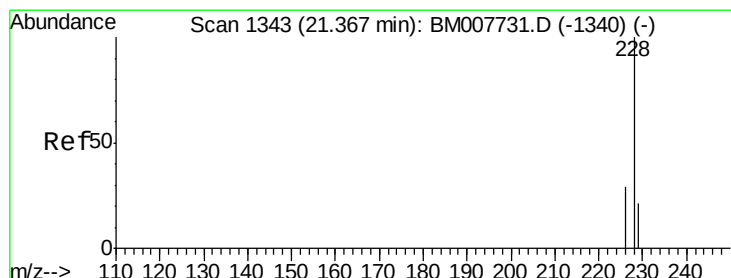
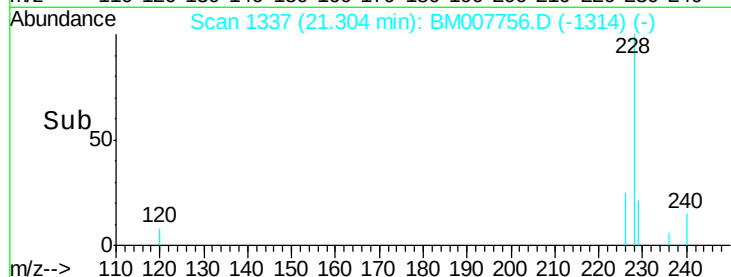
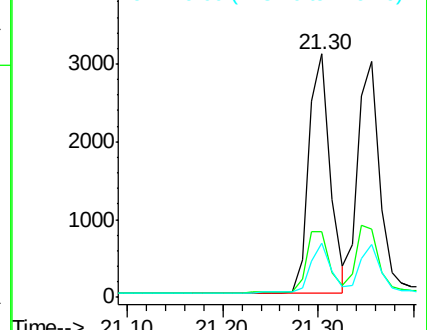
228 100

226 26.8 22.8 34.2

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



#19

Chrysene

Concen: 0.44 ng/ul

RT: 21.36 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BM007756.D

Acq: 04 Nov 2016 16:13

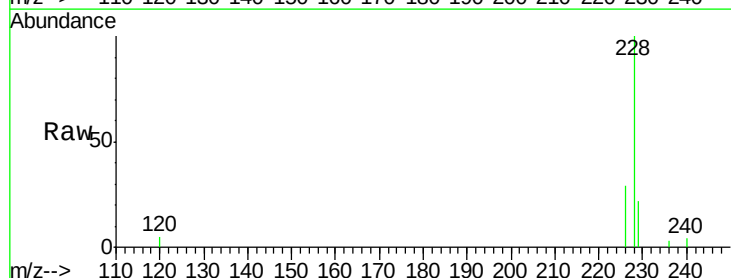
Tgt Ion:228 Resp: 4973

Ion Ratio Lower Upper

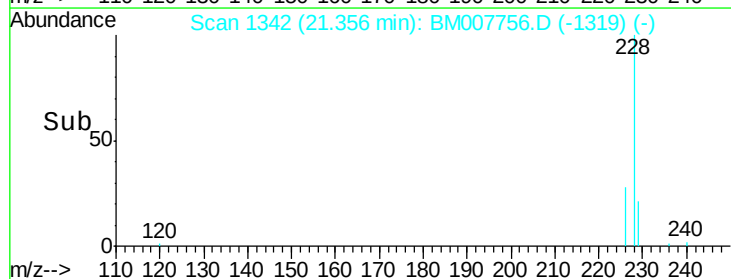
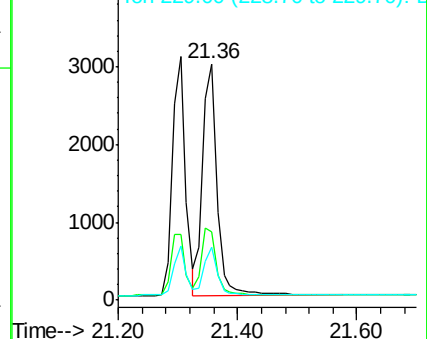
228 100

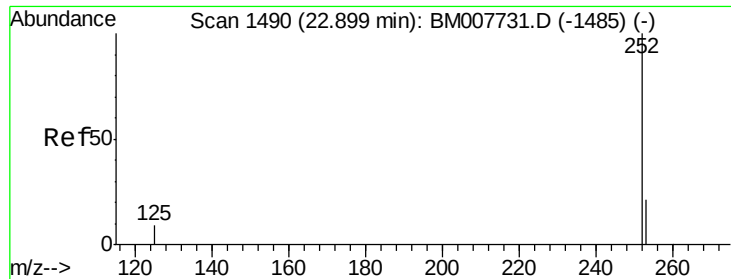
226 29.1 23.4 35.0

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: 0.42 ng/ul

RT: 22.89 min Scan# 1489

Delta R.T. -0.02 min

Lab File: BM007756.D

Acq: 04 Nov 2016 16:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

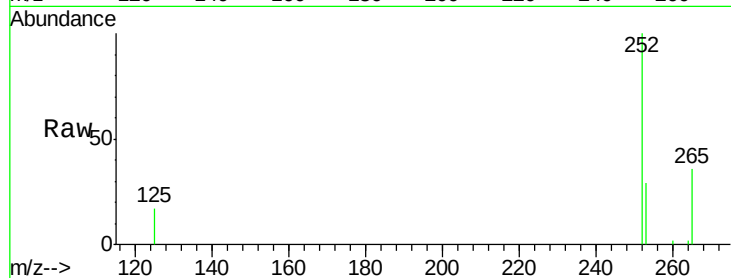
Tgt Ion:252 Resp: 4990

Ion Ratio Lower Upper

252 100

253 29.5 0.0 64.2

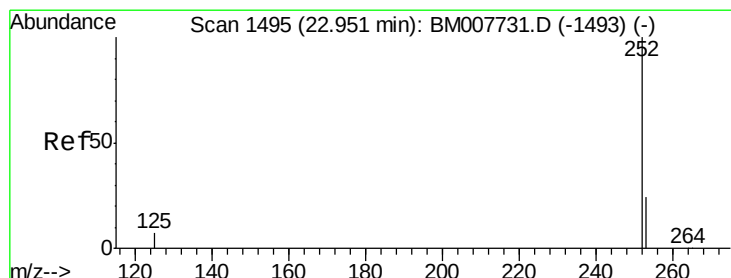
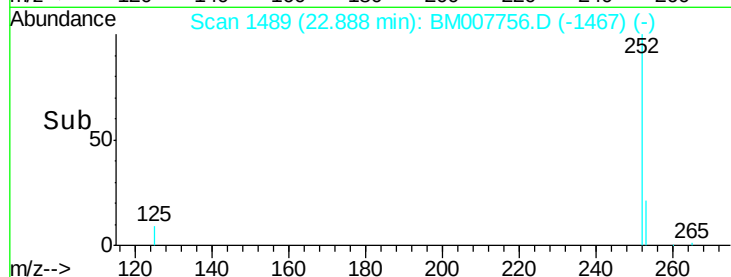
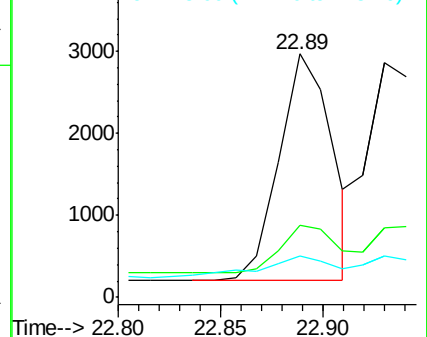
125 17.0 0.0 35.0



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: 0.43 ng/ul

RT: 22.93 min Scan# 1493

Delta R.T. -0.02 min

Lab File: BM007756.D

Acq: 04 Nov 2016 16:13

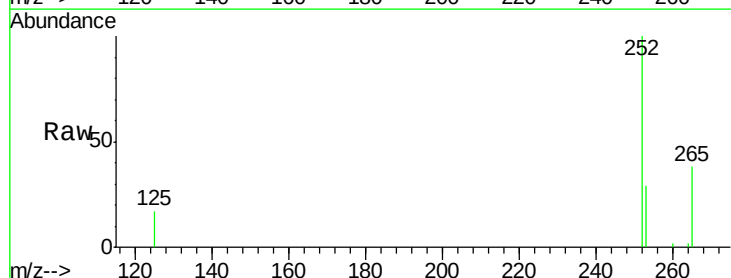
Tgt Ion:252 Resp: 5326

Ion Ratio Lower Upper

252 100

253 29.4 24.5 36.7

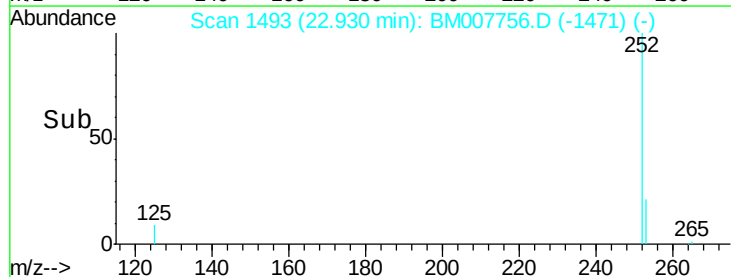
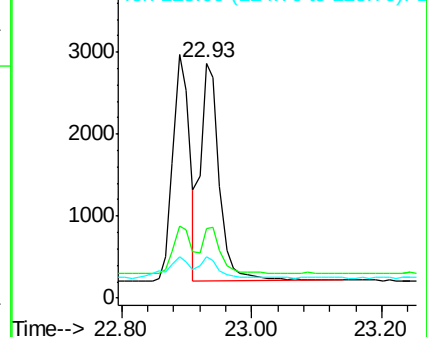
125 17.5 13.7 20.5

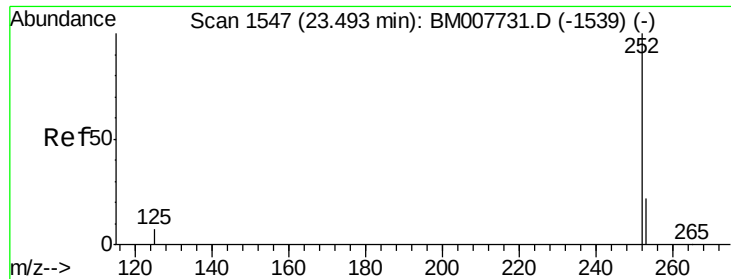


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.45 ng/ul

RT: 23.47 min Scan# 1545

Delta R.T. -0.02 min

Lab File: BM007756.D

Acq: 04 Nov 2016 16:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

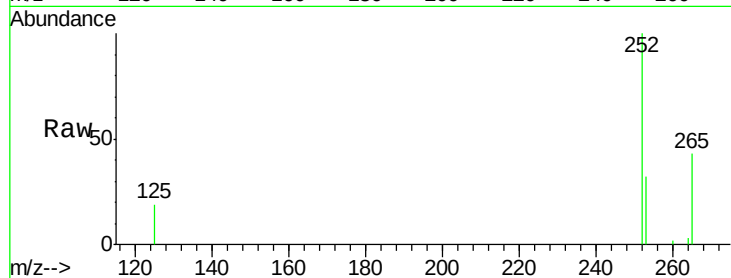
Tgt Ion:252 Resp: 5045

Ion Ratio Lower Upper

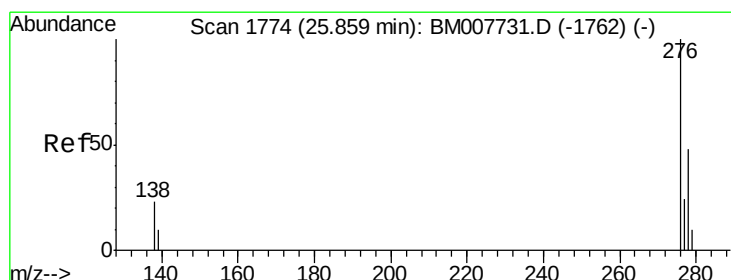
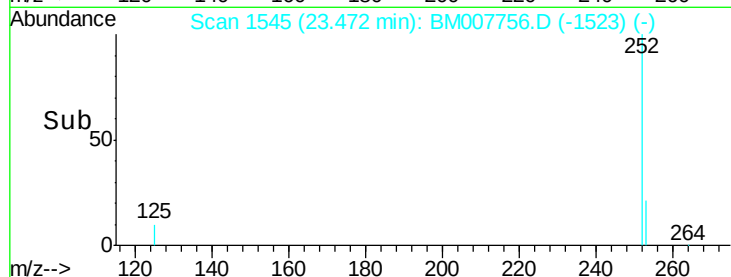
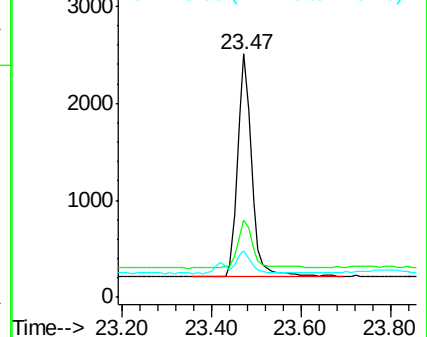
252 100

253 31.8 28.5 42.7

125 19.0 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: 0.44 ng/ul

RT: 25.84 min Scan# 1772

Delta R.T. -0.03 min

Lab File: BM007756.D

Acq: 04 Nov 2016 16:13

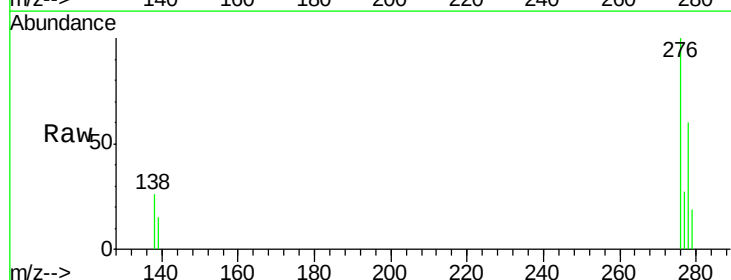
Tgt Ion:276 Resp: 5932

Ion Ratio Lower Upper

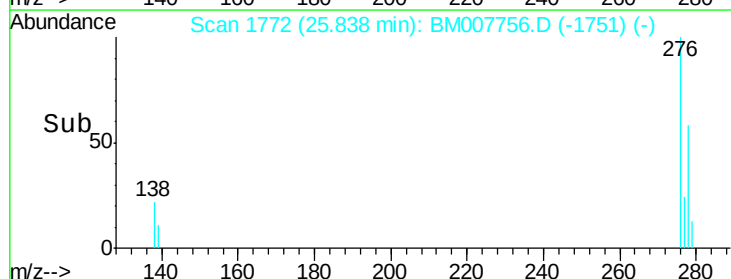
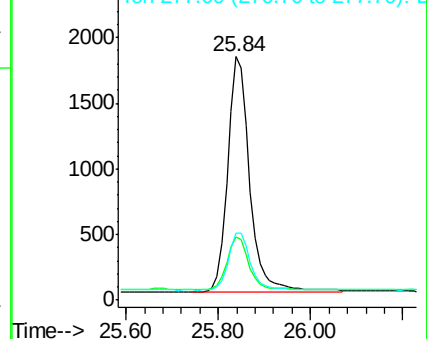
276 100

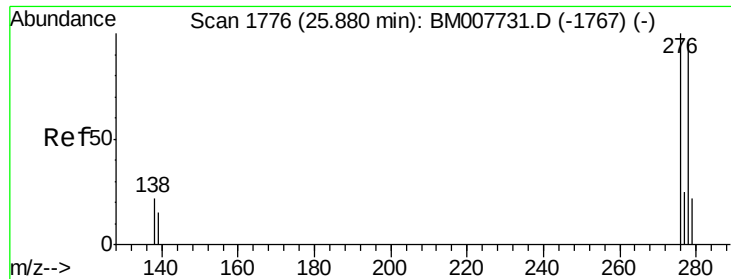
138 23.0 19.1 28.7

277 24.9 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



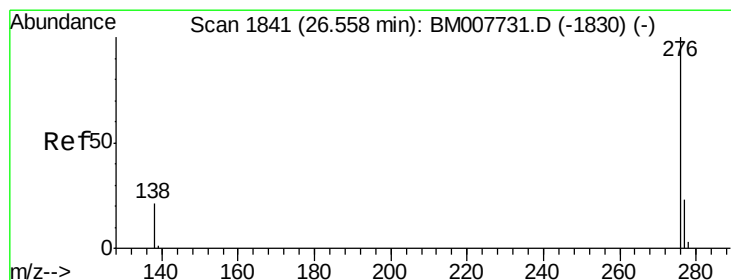
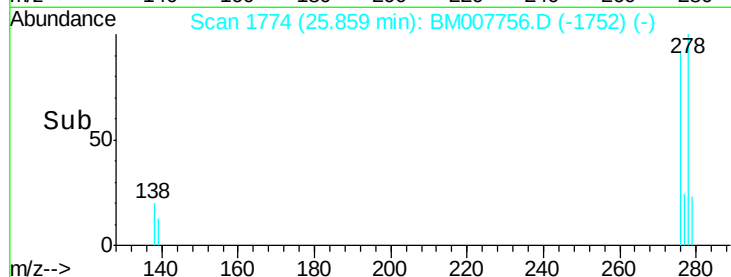
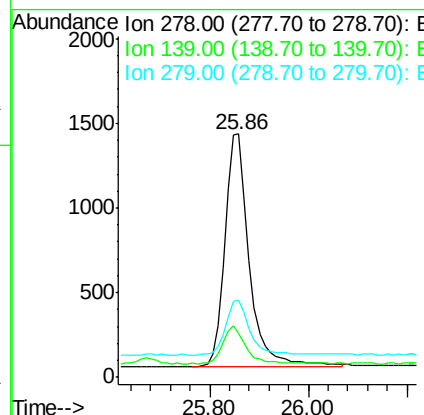
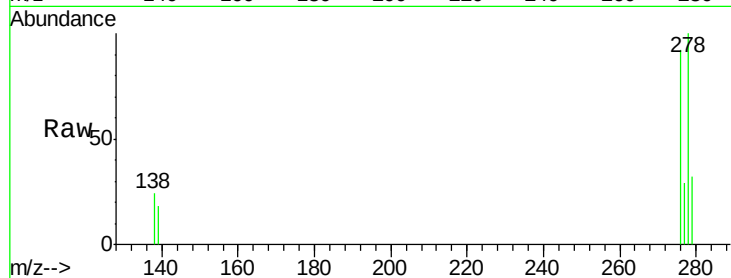


#25
Dibenzo(a,h)anthracene
Concen: 0.43 ng/ul
RT: 25.86 min Scan# 1774
Delta R.T. -0.02 min
Lab File: BM007756.D
Acq: 04 Nov 2016 16:13

Instrument :
BNA_M
ClientSampleId :
SSTD0.434

Tgt Ion: 278 Resp: 4660

Ion	Ratio	Lower	Upper
278	100		
139	18.3	17.4	26.0
279	31.7	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 0.43 ng/ul
RT: 26.54 min Scan# 1839
Delta R.T. -0.02 min
Lab File: BM007756.D
Acq: 04 Nov 2016 16:13

Tgt Ion: 276 Resp: 5171

Ion	Ratio	Lower	Upper
276	100		
277	26.9	21.8	32.8
138	23.0	20.5	30.7

