

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112116\
 Data File : BM007984.D
 Acq On : 22 Nov 2016 06:35
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.446

Quant Time: Nov 22 07:13:00 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 05:49:20 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	501	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	1743	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.37	164	1028	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.11	188	1989	0.40	ng/ul	-0.02
16) Chrysene-d12	21.30	240	2093	0.40	ng/ul	0.00
20) Perylene-d12	23.56	264	1944	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	990	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.14	212	2130	0.38	ng/ul	0.00

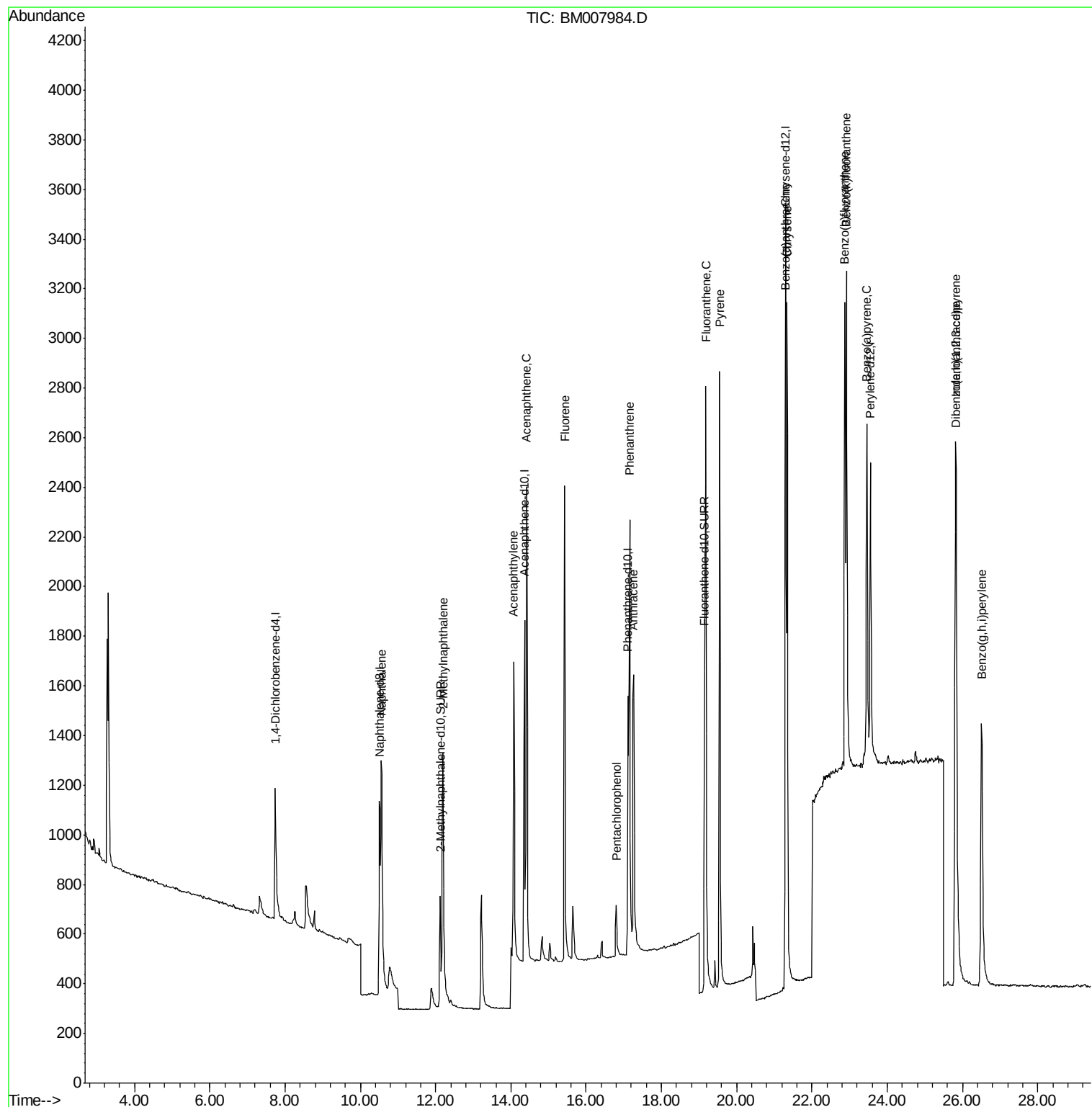
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	2026	0.42	ng/ul#	93
5) 2-Methylnaphthalene	12.19	142	1270	0.40	ng/ul	98
7) Acenaphthylene	14.07	152	1875	0.40	ng/ul	95
8) Acenaphthene	14.42	153	1410	0.40	ng/ul	93
9) Fluorene	15.43	166	1621	0.40	ng/ul	94
11) Pentachlorophenol	16.80	266	251	0.36	ng/ul	97
12) Phenanthrene	17.16	178	2484	0.40	ng/ul	95
13) Anthracene	17.26	178	2272	0.39	ng/ul	97
15) Fluoranthene	19.18	202	3156	0.39	ng/ul	97
17) Pyrene	19.54	202	3145	0.43	ng/ul	98
18) Benzo(a)anthracene	21.29	228	2716	0.42	ng/ul	98
19) Chrysene	21.34	228	3118	0.39	ng/ul	93
21) Benzo(b)fluoranthene	22.87	252	3153	0.41	ng/ul	99
22) Benzo(k)fluoranthene	22.92	252	3012	0.38	ng/ul	97
23) Benzo(a)pyrene	23.45	252	2881	0.40	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.82	276	3438	0.38	ng/ul	96
25) Dibenzo(a,h)anthracene	25.83	278	2727	0.38	ng/ul	96
26) Benzo(g,h,i)perylene	26.51	276	3010	0.38	ng/ul	95

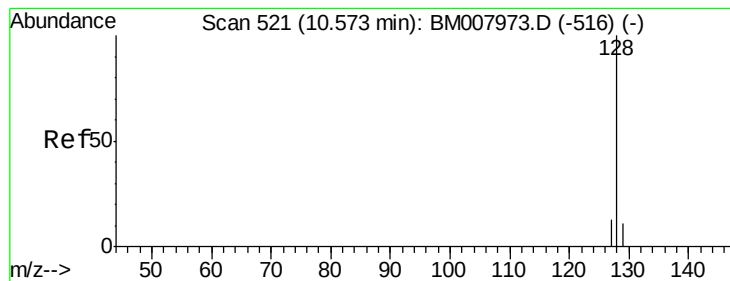
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.42 ng/ul

RT: 10.56 min Scan# 520

Delta R.T. -0.01 min

Lab File: BM007984.D

Acq: 22 Nov 2016 06:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

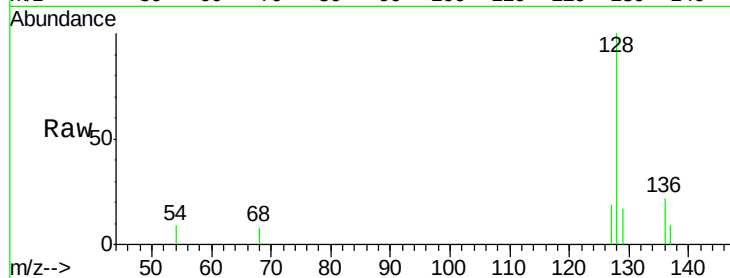
Tgt Ion:128 Resp: 2026

Ion Ratio Lower Upper

128 100

129 17.0 11.3 16.9#

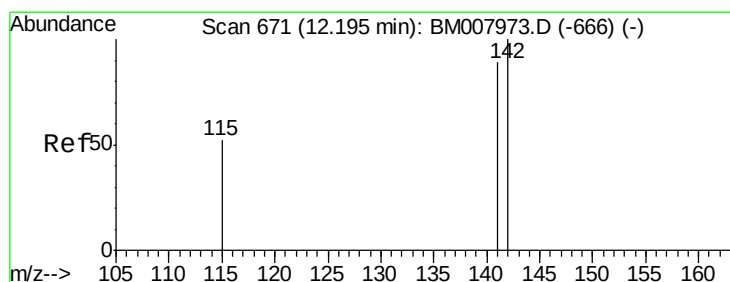
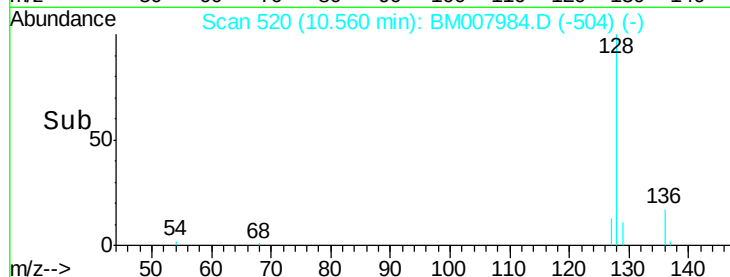
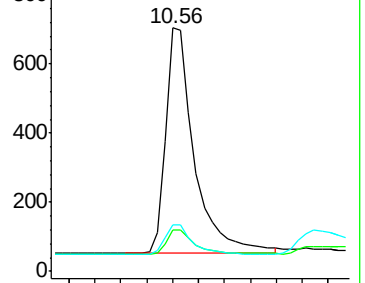
127 19.2 12.8 19.2



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: 0.40 ng/ul

RT: 12.19 min Scan# 671

Delta R.T. 0.00 min

Lab File: BM007984.D

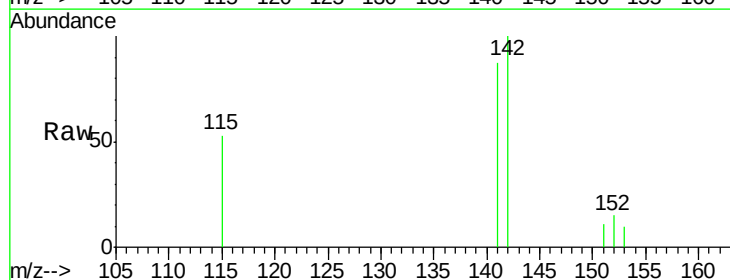
Acq: 22 Nov 2016 06:35

Tgt Ion:142 Resp: 1270

Ion Ratio Lower Upper

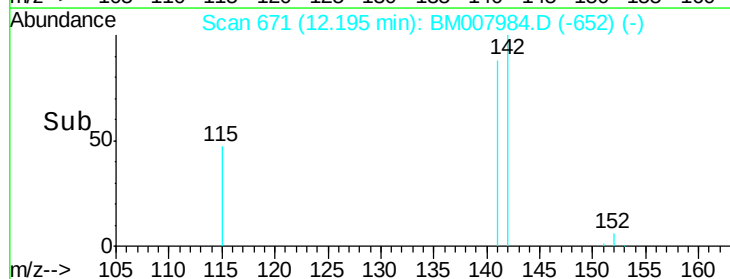
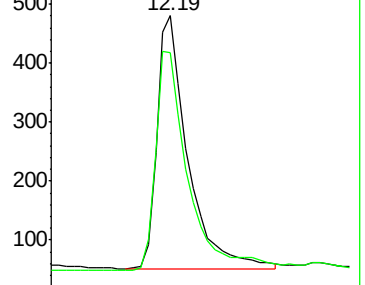
142 100

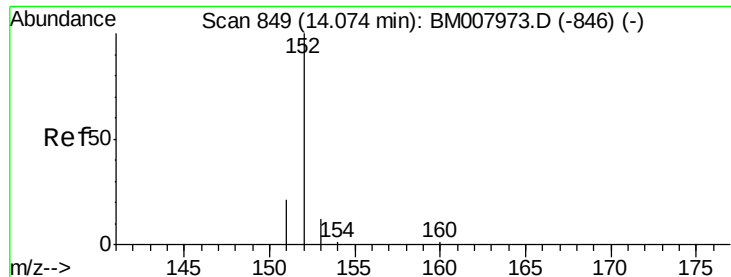
141 92.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM007984.D

Acq: 22 Nov 2016 06:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

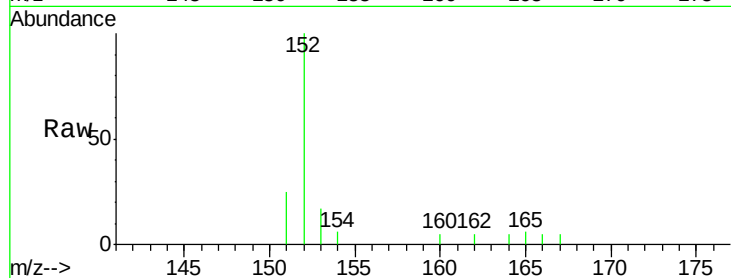
Tgt Ion:152 Resp: 1875

Ion Ratio Lower Upper

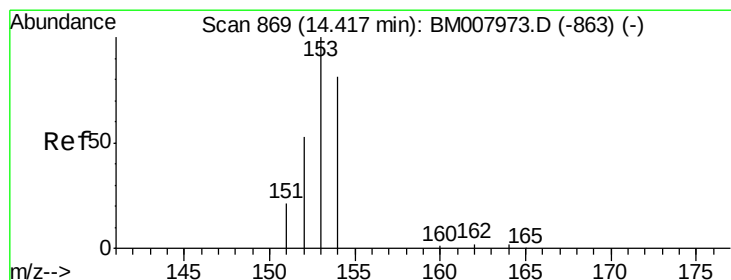
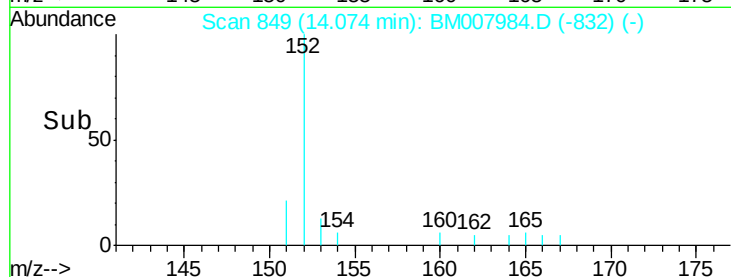
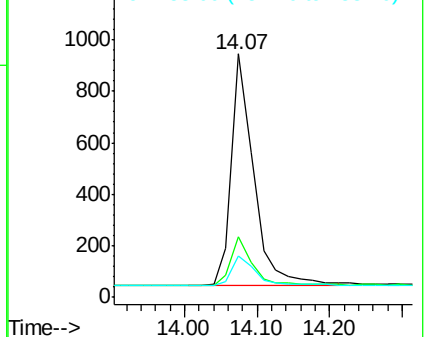
152 100

151 24.7 17.1 25.7

153 17.1 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: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM007984.D

Acq: 22 Nov 2016 06:35

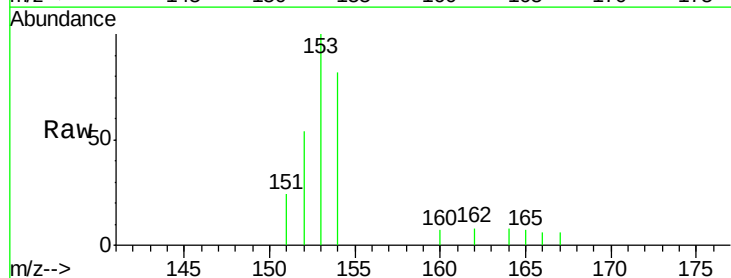
Tgt Ion:153 Resp: 1410

Ion Ratio Lower Upper

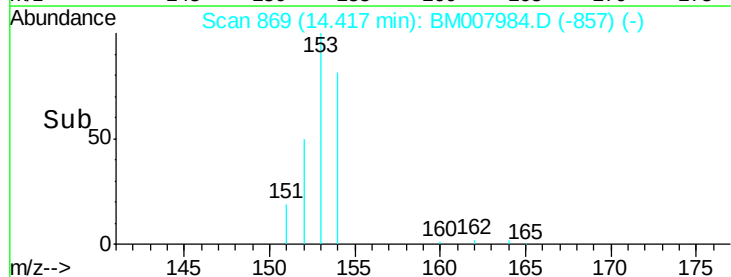
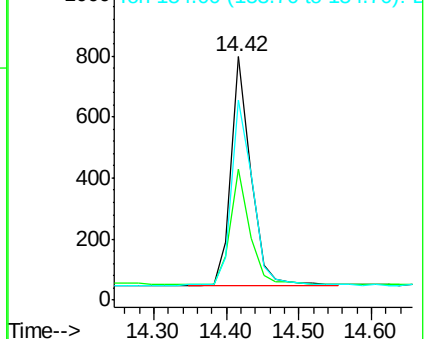
153 100

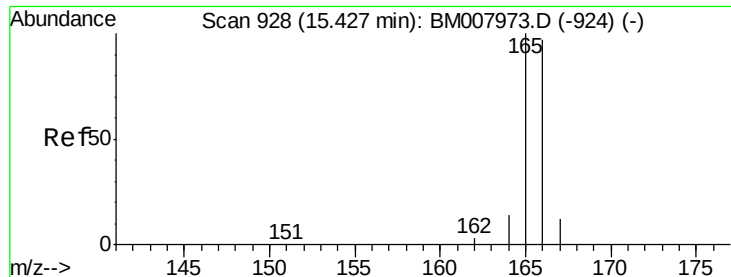
152 53.9 40.3 60.5

154 82.2 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

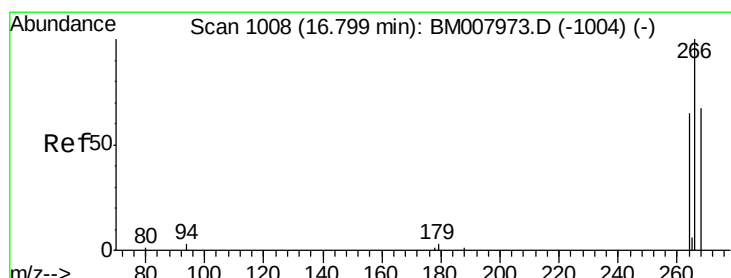
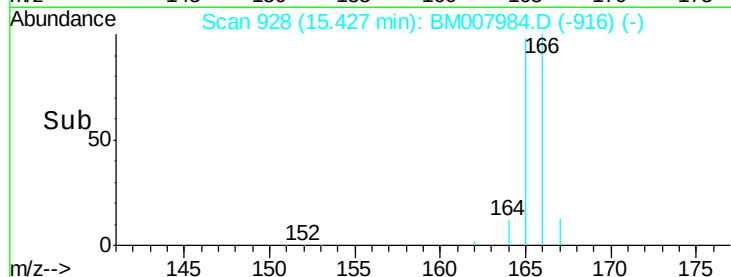
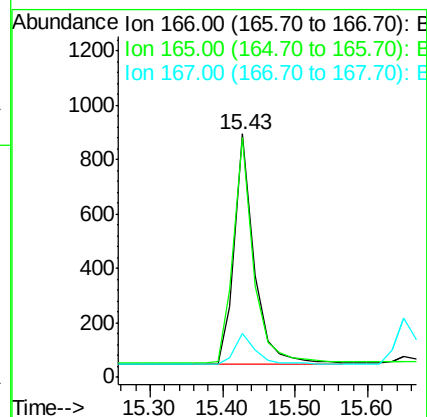
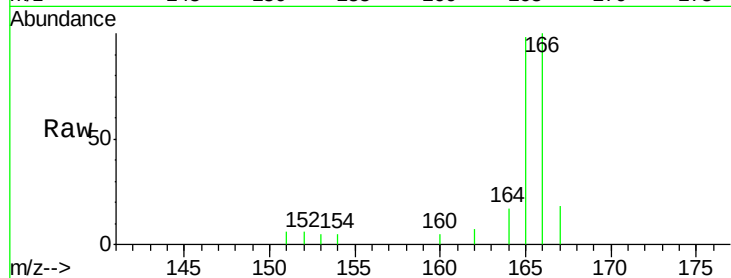




#9
Fluorene
 Concen: 0.40 ng/ul
 RT: 15.43 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: BM007984.D
 Acq: 22 Nov 2016 06:35

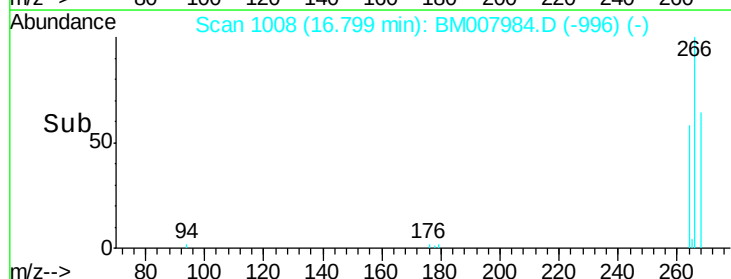
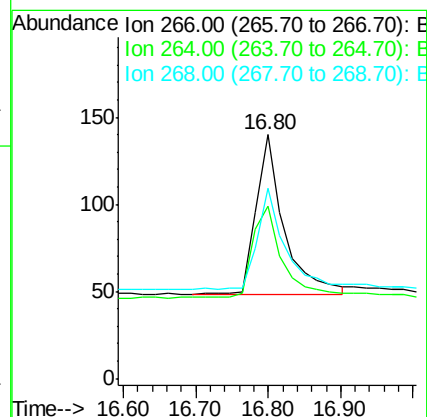
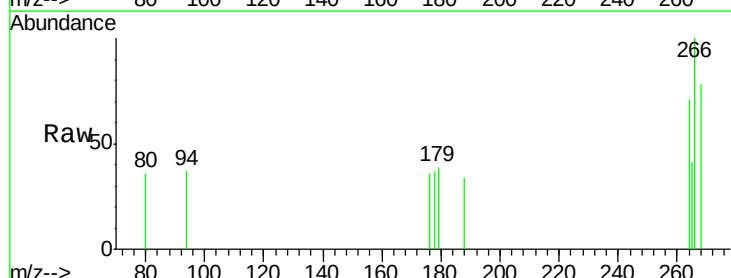
Instrument :
 BNA_M
 ClientSampleId :
 SST0.446

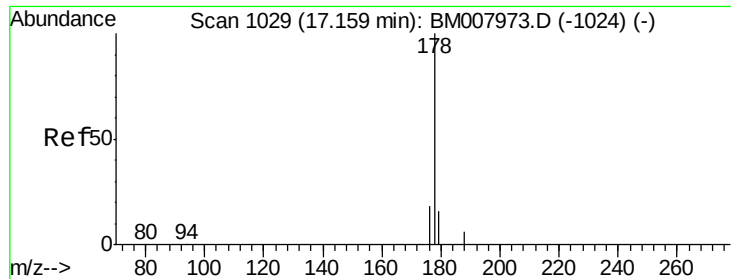
Tgt Ion:166 Resp: 1621
 Ion Ratio Lower Upper
 166 100
 165 98.3 73.4 110.2
 167 17.9 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.36 ng/ul
 RT: 16.80 min Scan# 1008
 Delta R.T. 0.00 min
 Lab File: BM007984.D
 Acq: 22 Nov 2016 06:35

Tgt Ion:266 Resp: 251
 Ion Ratio Lower Upper
 266 100
 264 64.1 47.9 71.9
 268 62.5 49.8 74.8





#12

Phenanthrene

Concen: 0.40 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BM007984.D

Acq: 22 Nov 2016 06:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

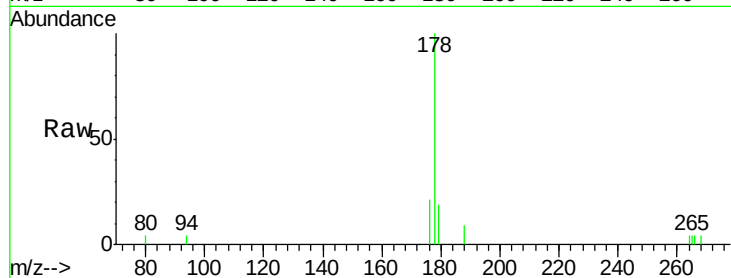
Tgt Ion:178 Resp: 2484

Ion Ratio Lower Upper

178 100

176 21.2 18.4 27.6

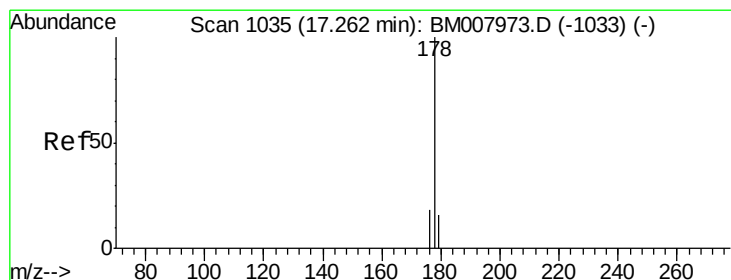
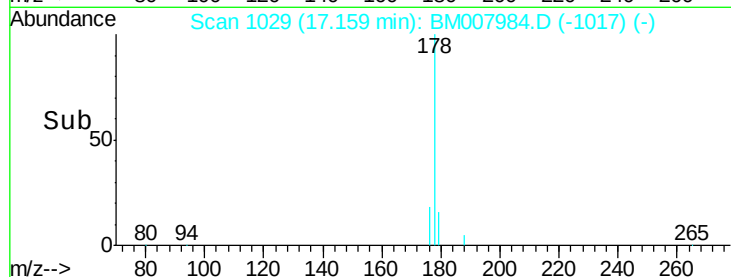
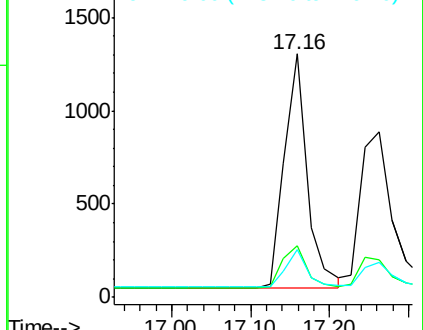
179 19.5 13.6 20.4



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: 0.39 ng/ul

RT: 17.26 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BM007984.D

Acq: 22 Nov 2016 06:35

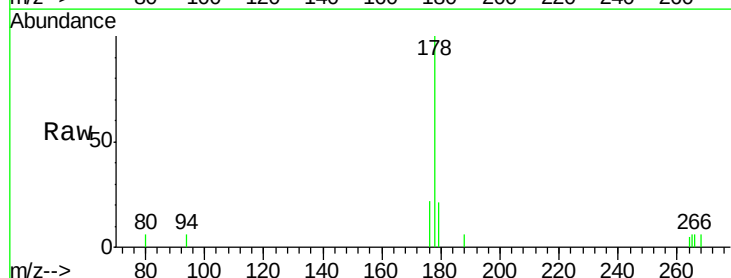
Tgt Ion:178 Resp: 2272

Ion Ratio Lower Upper

178 100

176 22.3 18.1 27.1

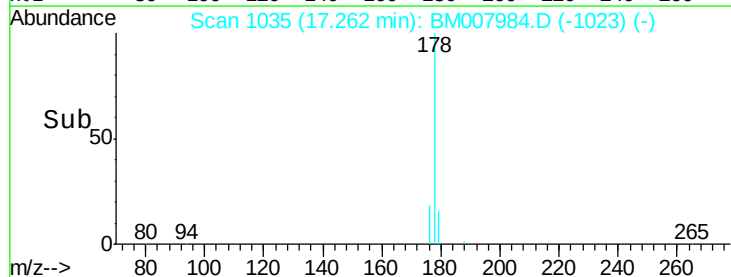
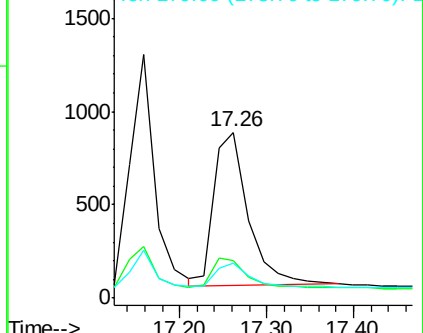
179 20.9 14.7 22.1

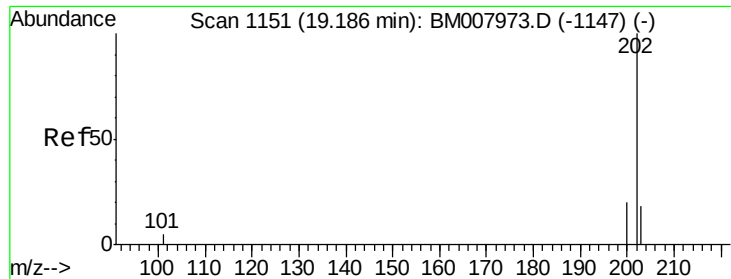


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

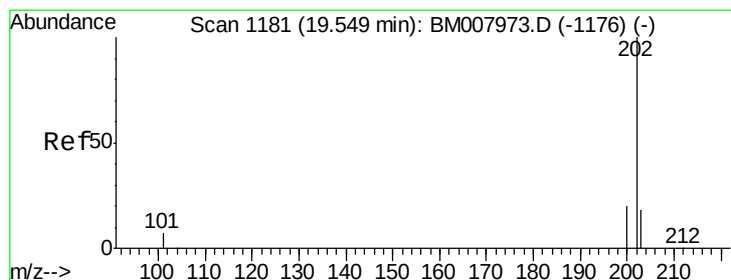
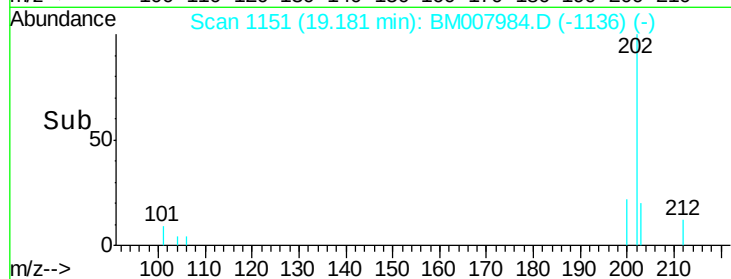
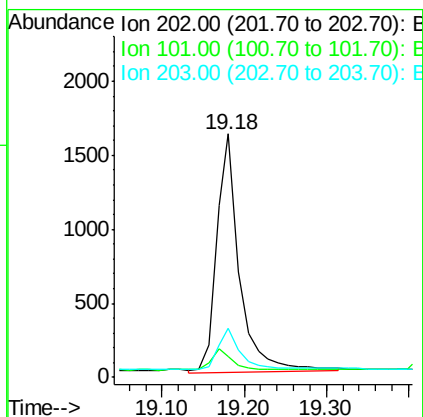
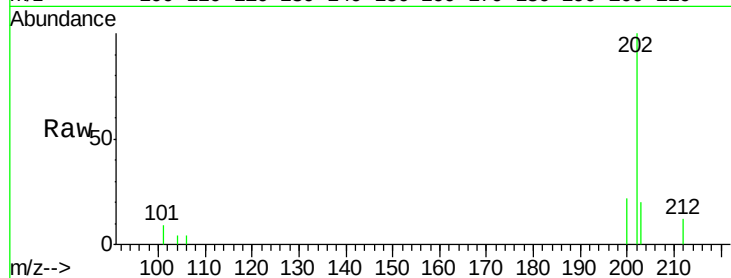




#15
Fluoranthene
 Concen: 0.39 ng/ul
 RT: 19.18 min Scan# 1151
 Delta R.T. -0.01 min
 Lab File: BM007984.D
 Acq: 22 Nov 2016 06:35

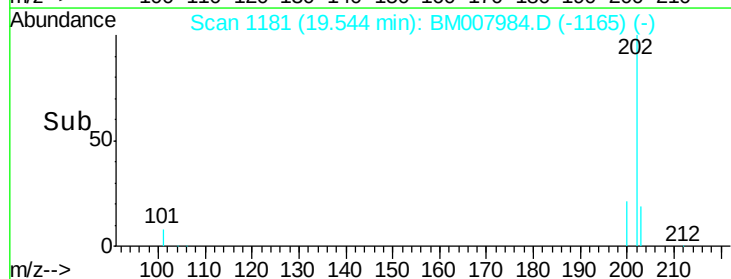
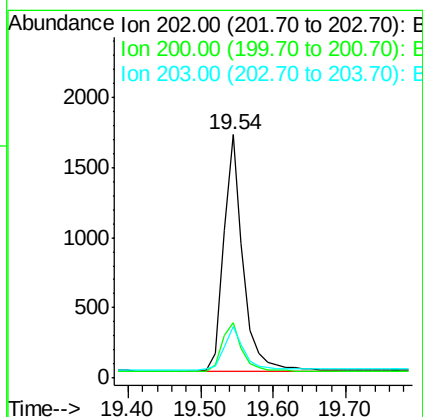
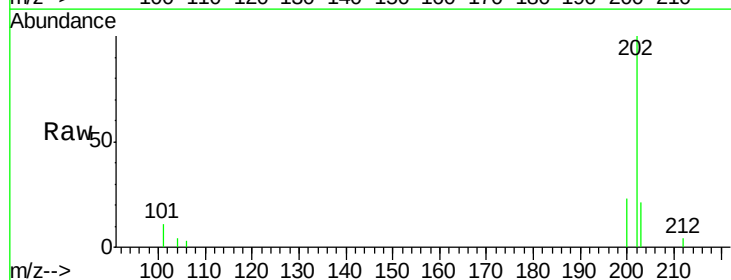
Instrument :
 BNA_M
 ClientSampleId :
 SST0.446

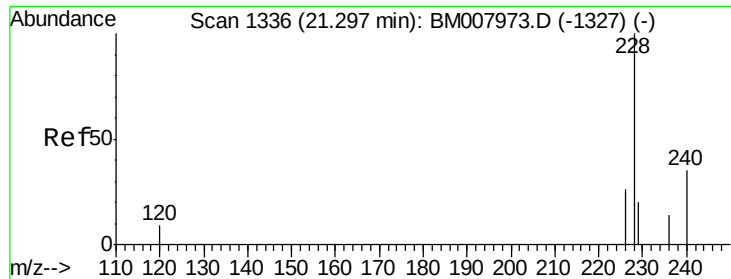
Tgt Ion:202 Resp: 3156
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 30.3
 203 20.4 0.0 39.5



#17
Pyrene
 Concen: 0.43 ng/ul
 RT: 19.54 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BM007984.D
 Acq: 22 Nov 2016 06:35

Tgt Ion:202 Resp: 3145
 Ion Ratio Lower Upper
 202 100
 200 22.9 18.2 27.4
 203 21.3 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.42 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BM007984.D

Acq: 22 Nov 2016 06:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

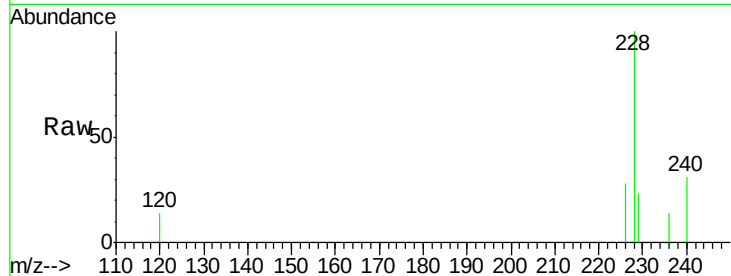
Tgt Ion:228 Resp: 2716

Ion Ratio Lower Upper

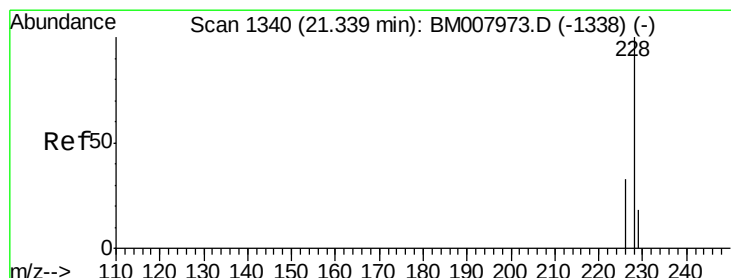
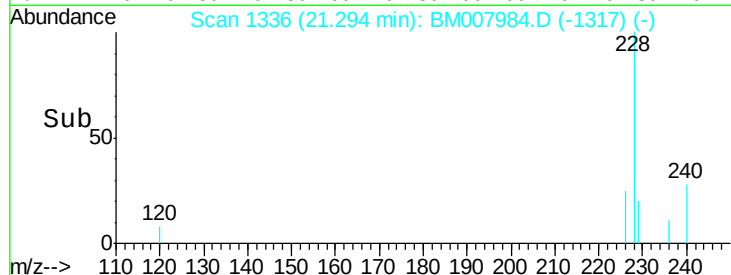
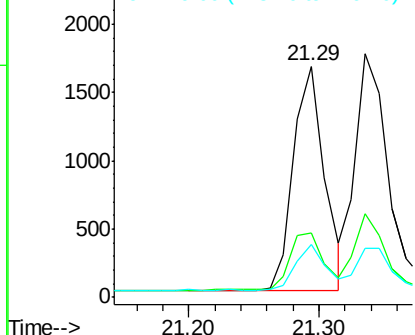
228 100

226 27.7 22.8 34.2

229 22.9 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: 0.39 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BM007984.D

Acq: 22 Nov 2016 06:35

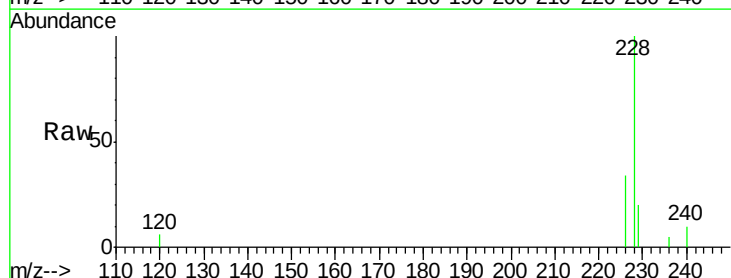
Tgt Ion:228 Resp: 3118

Ion Ratio Lower Upper

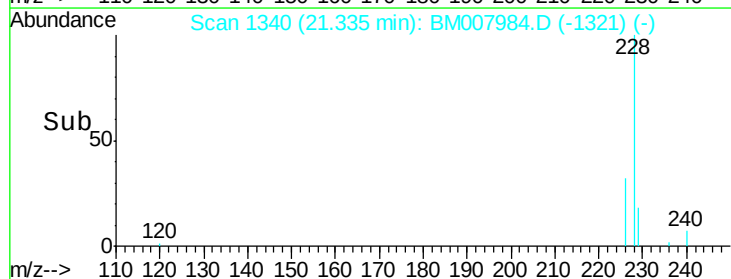
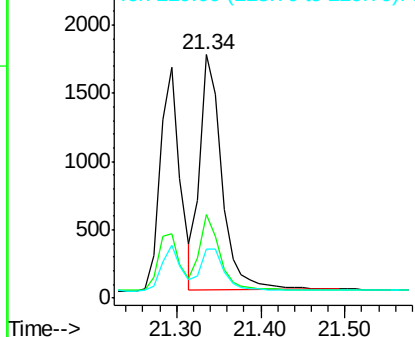
228 100

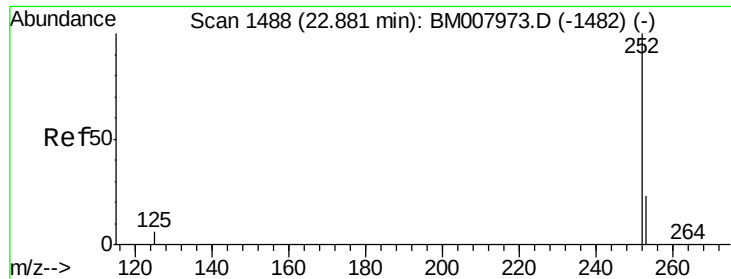
226 34.2 23.4 35.0

229 20.3 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: 0.41 ng/ul

RT: 22.87 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BM007984.D

Acq: 22 Nov 2016 06:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

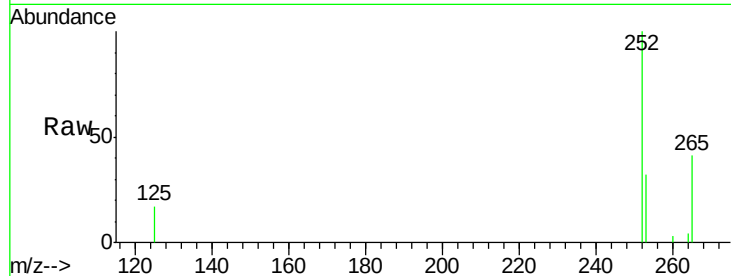
Tgt Ion:252 Resp: 3153

Ion Ratio Lower Upper

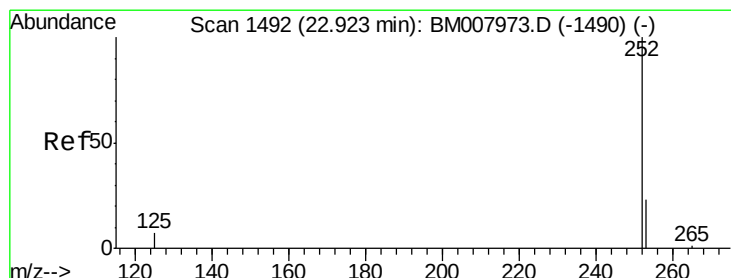
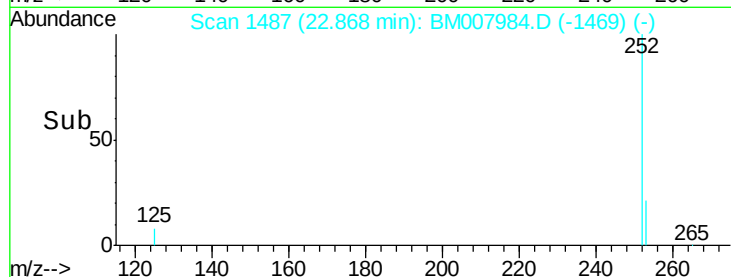
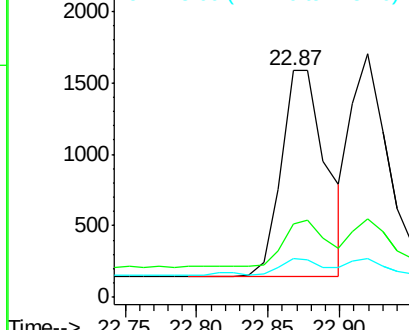
252 100

253 32.1 0.0 64.2

125 16.8 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: 0.38 ng/ul

RT: 22.92 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BM007984.D

Acq: 22 Nov 2016 06:35

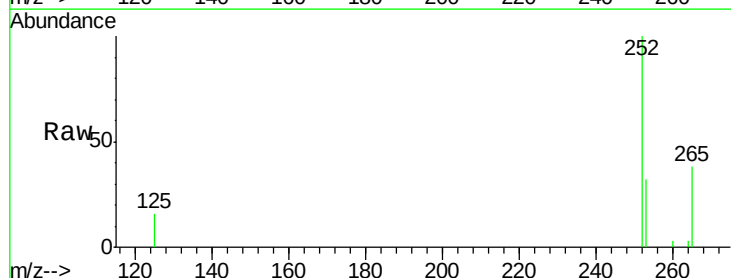
Tgt Ion:252 Resp: 3012

Ion Ratio Lower Upper

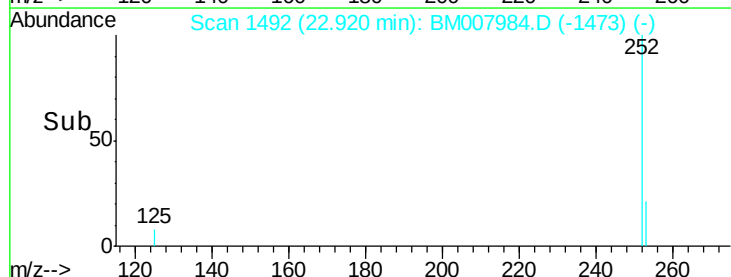
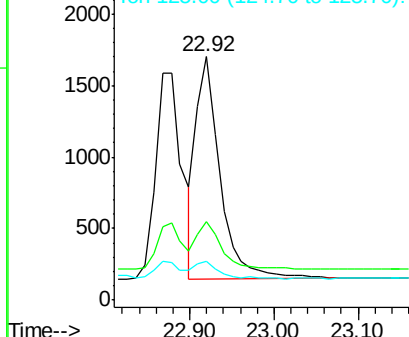
252 100

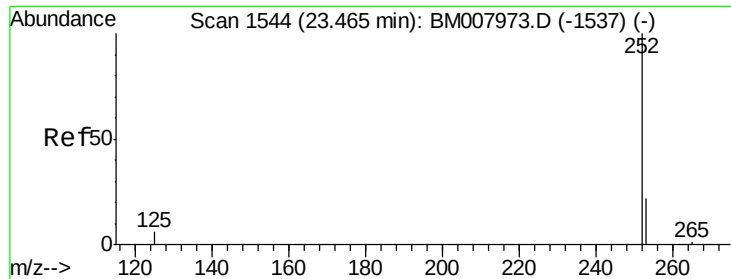
253 32.1 24.5 36.7

125 15.7 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: 0.40 ng/ul

RT: 23.45 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BM007984.D

Acq: 22 Nov 2016 06:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

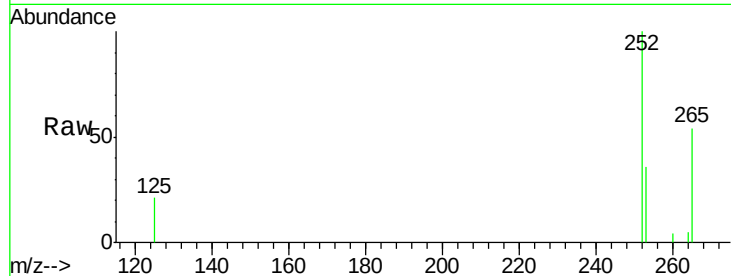
Tgt Ion:252 Resp: 2881

Ion Ratio Lower Upper

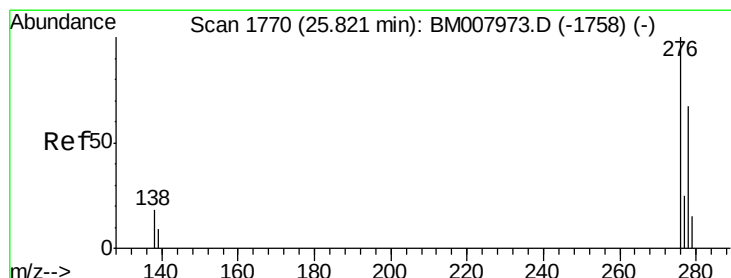
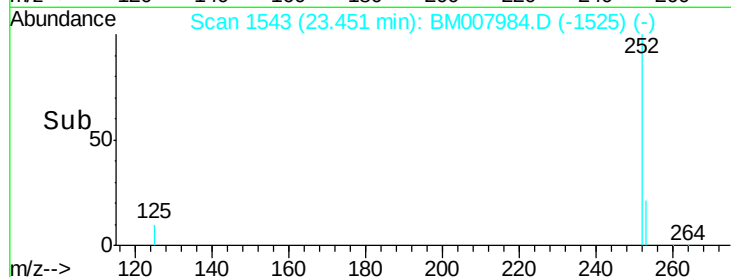
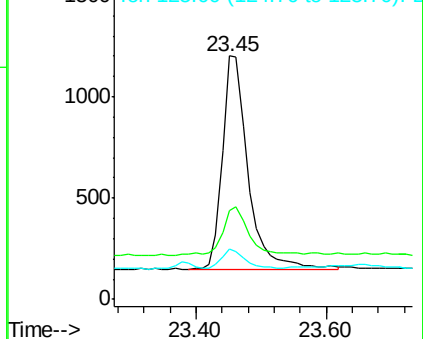
252 100

253 36.4 28.5 42.7

125 20.6 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: 0.38 ng/ul

RT: 25.82 min Scan# 1770

Delta R.T. -0.00 min

Lab File: BM007984.D

Acq: 22 Nov 2016 06:35

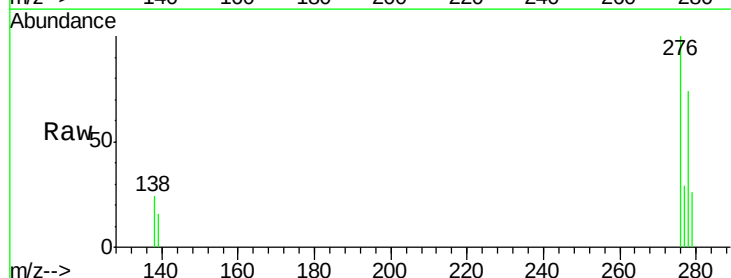
Tgt Ion:276 Resp: 3438

Ion Ratio Lower Upper

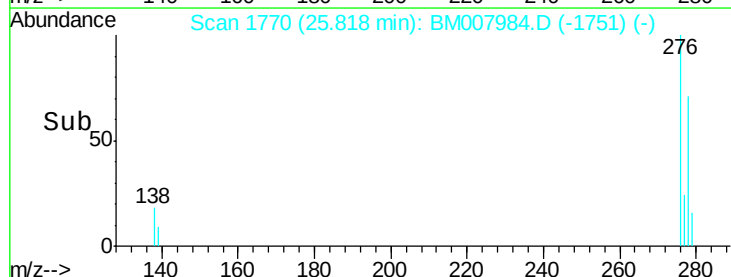
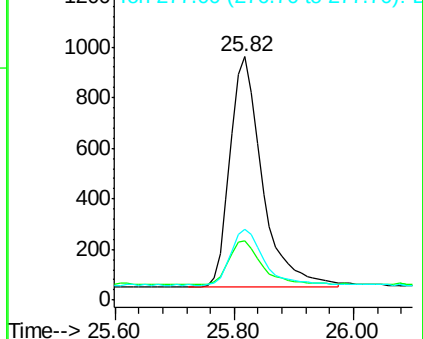
276 100

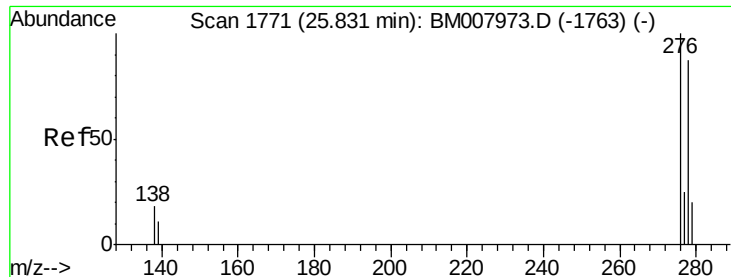
138 19.7 19.1 28.7

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: 0.38 ng/ul

RT: 25.83 min Scan# 1771

Delta R.T. -0.00 min

Lab File: BM007984.D

Acq: 22 Nov 2016 06:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

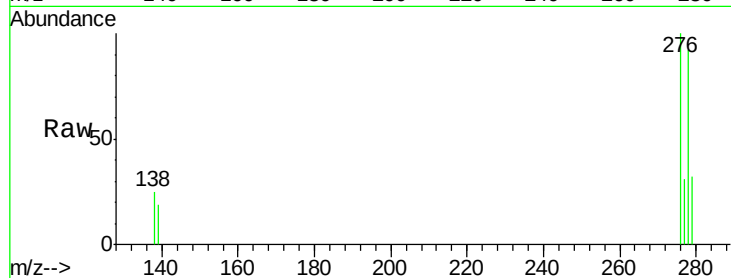
Tgt Ion:278 Resp: 2727

Ion Ratio Lower Upper

278 100

139 20.2 17.4 26.0

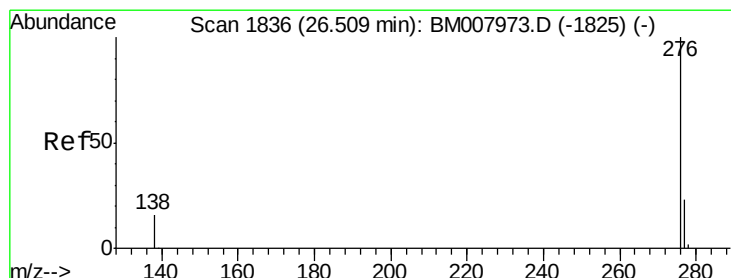
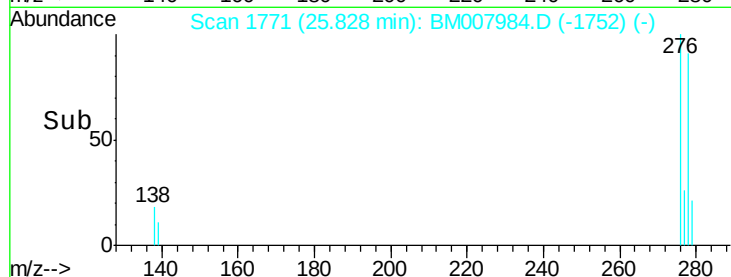
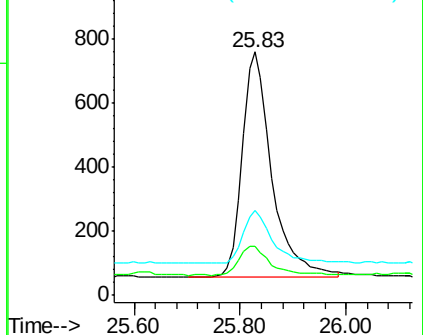
279 35.0 25.9 38.9



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: 0.38 ng/ul

RT: 26.51 min Scan# 1836

Delta R.T. -0.00 min

Lab File: BM007984.D

Acq: 22 Nov 2016 06:35

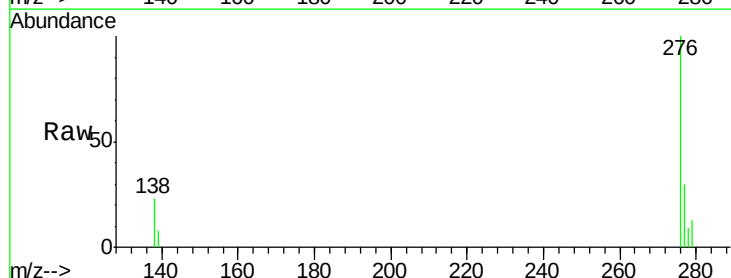
Tgt Ion:276 Resp: 3010

Ion Ratio Lower Upper

276 100

277 29.5 21.8 32.8

138 23.2 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

