

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112116\
 Data File : BM007980.D
 Acq On : 22 Nov 2016 04:13
 Operator : UM/SJ
 Sample : H5694-09MS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSR7MS

Quant Time: Nov 22 05:52:20 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	7.73	152	599	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.50	136	1965	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1310	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.19	188	149230	0.40	ng/ul	0.07
16) Chrysene-d12	21.30	240	2778	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	110810	0.40	ng/ul	-0.17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	742	0.27	ng/ul	-0.01
14) Fluoranthene-d10	19.14	212	1802	0.00	ng/ul	0.00

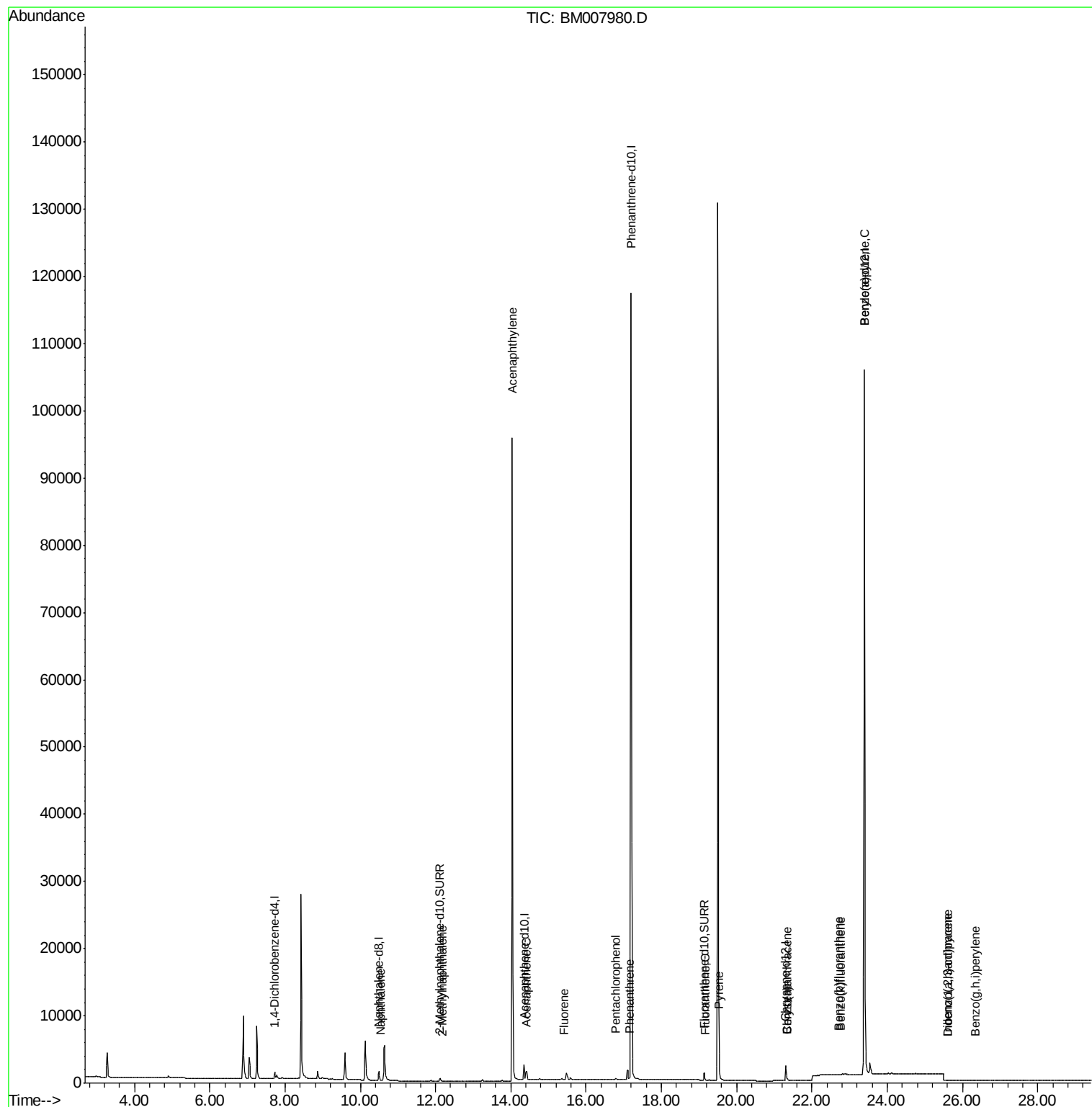
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	224	0.04	ng/ul#	12
5) 2-Methylnaphthalene	12.18	142	26	0.01	ng/ul	98
7) Acenaphthylene	14.04	152	25	0.00	ng/ul#	1
8) Acenaphthene	14.42	153	1044	0.23	ng/ul	93
9) Fluorene	15.41	166	32	0.01	ng/ul#	65
11) Pentachlorophenol	16.78	266	205	0.00	ng/ul	94
12) Phenanthrene	17.14	178	465	0.00	ng/ul#	51
15) Fluoranthene	19.17	202	134	0.00	ng/ul#	13
17) Pyrene	19.53	202	2962	0.31	ng/ul	96
18) Benzo(a)anthracene	21.35	228	310	0.04	ng/ul#	53
19) Chrysene	21.35	228	316	0.03	ng/ul#	55
21) Benzo(b)fluoranthene	22.72	252	13	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.76	252	5	0.00	ng/ul#	1
23) Benzo(a)pyrene	23.39	252	665	0.00	ng/ul#	26
24) Indeno(1,2,3-cd)pyrene	25.60	276	860	0.00	ng/ul#	51
25) Dibenzo(a,h)anthracene	25.61	278	995	0.00	ng/ul#	1
26) Benzo(g,h,i)perylene	26.33	276	1	0.00	ng/ul#	1

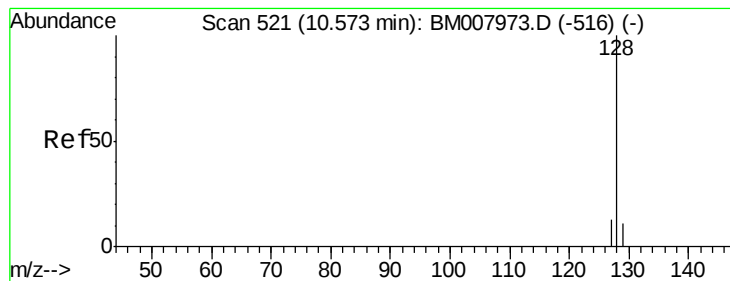
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.04 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.02 min

Lab File: BM007980.D

Acq: 22 Nov 2016 04:13

Instrument :

BNA_M

ClientSampleId :

JHSR7MS

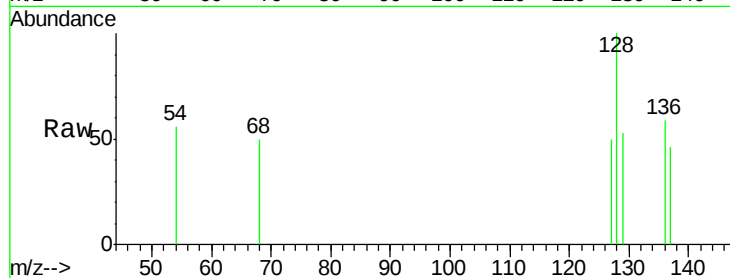
Tgt Ion:128 Resp: 224

Ion Ratio Lower Upper

128 100

129 53.2 11.3 16.9#

127 50.5 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

150

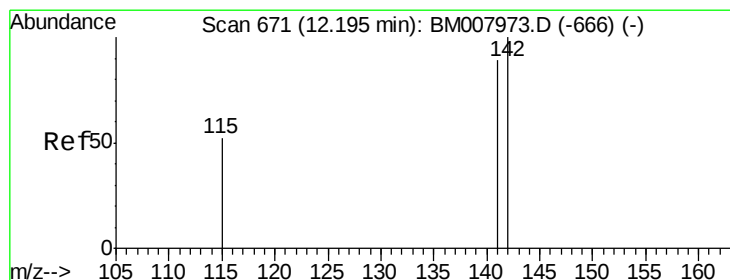
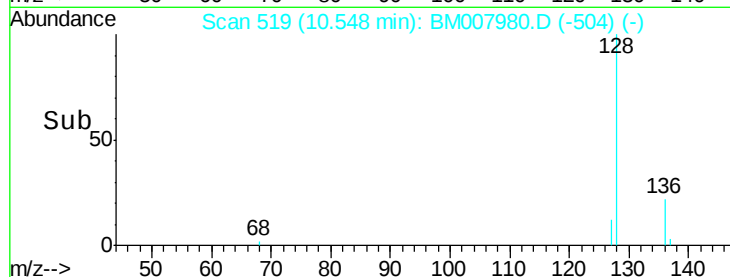
100

50

0

10.40 10.50 10.60

Time-->



#5

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.18 min Scan# 670

Delta R.T. -0.01 min

Lab File: BM007980.D

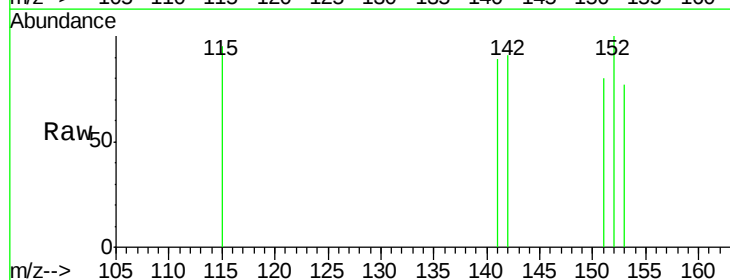
Acq: 22 Nov 2016 04:13

Tgt Ion:142 Resp: 26

Ion Ratio Lower Upper

142 100

141 92.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

60

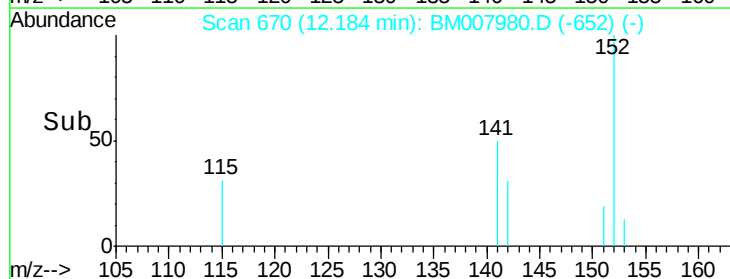
40

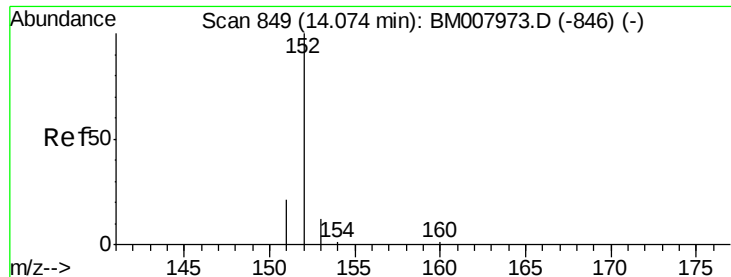
20

0

12.10 12.20 12.30

Time-->





#7

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.03 min

Lab File: BM007980.D

Acq: 22 Nov 2016 04:13

Instrument :

BNA_M

ClientSampleId :

JHSR7MS

Tgt Ion:152 Resp: 25

Ion Ratio Lower Upper

152 100

151 89.3 17.1 25.7#

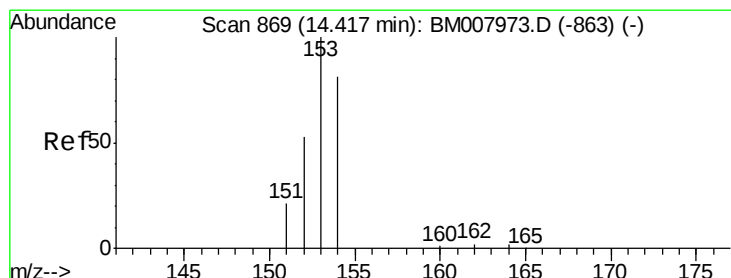
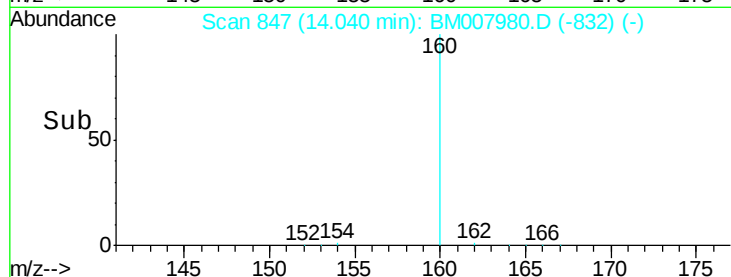
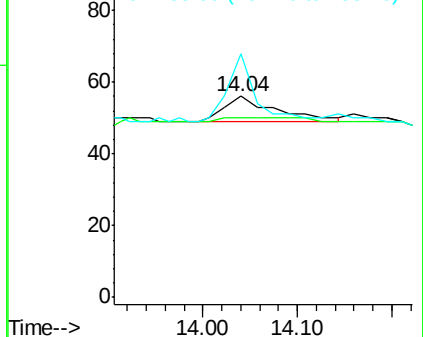
153 121.4 12.8 19.2#



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: 0.23 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM007980.D

Acq: 22 Nov 2016 04:13

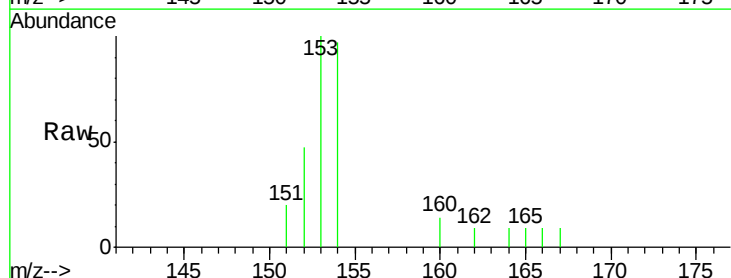
Tgt Ion:153 Resp: 1044

Ion Ratio Lower Upper

153 100

152 47.3 40.3 60.5

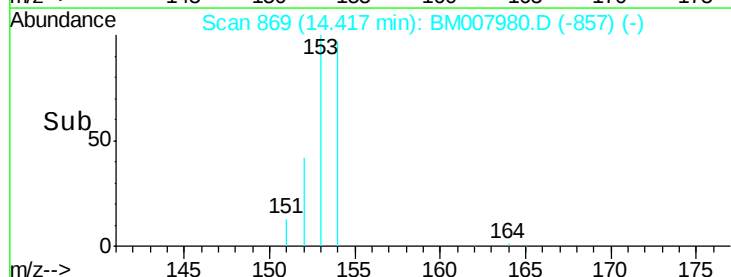
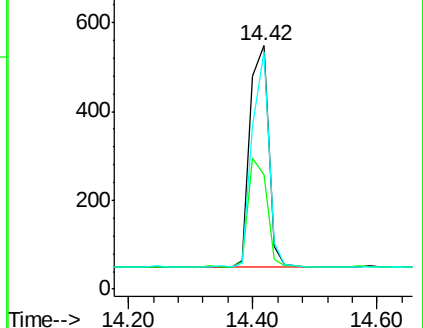
154 97.3 71.4 107.2

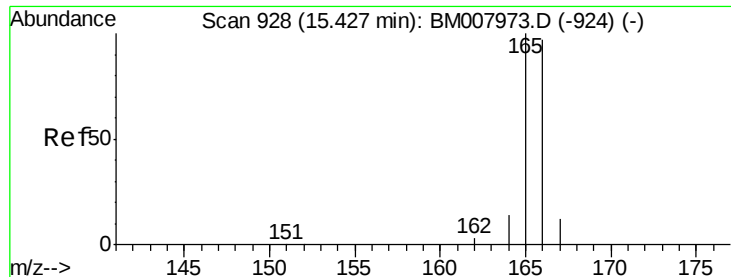


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.01 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.02 min

Lab File: BM007980.D

Acq: 22 Nov 2016 04:13

Instrument :

BNA_M

ClientSampleId :

JHSR7MS

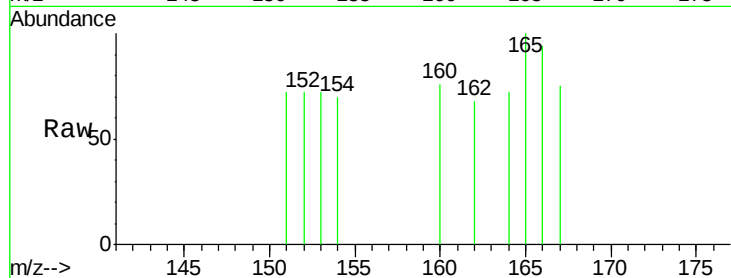
Tgt Ion:166 Resp: 32

Ion Ratio Lower Upper

166 100

165 106.0 73.4 110.2

167 79.1 14.6 22.0#



Abundance Ion 166.00 (165.70 to 166.70): E

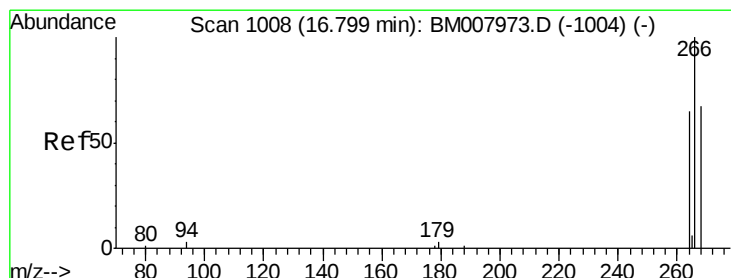
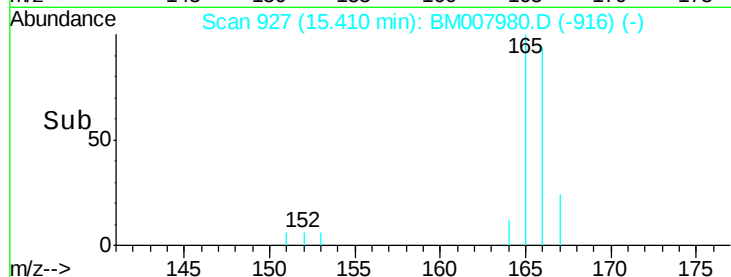
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.41

15.40 15.45

Time-->



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.78 min Scan# 1007

Delta R.T. -0.02 min

Lab File: BM007980.D

Acq: 22 Nov 2016 04:13

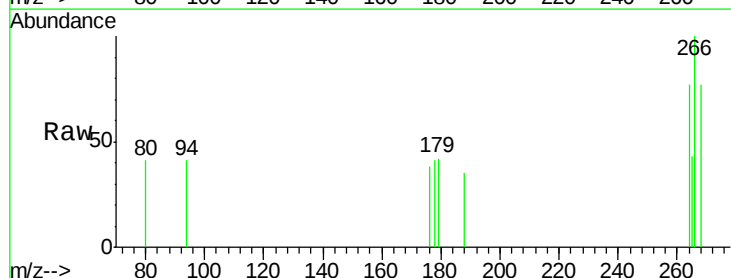
Tgt Ion:266 Resp: 205

Ion Ratio Lower Upper

266 100

264 62.4 47.9 71.9

268 69.3 49.8 74.8



Abundance Ion 266.00 (265.70 to 266.70): E

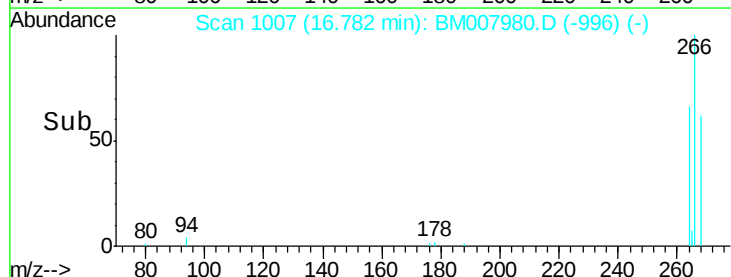
Ion 264.00 (263.70 to 264.70): E

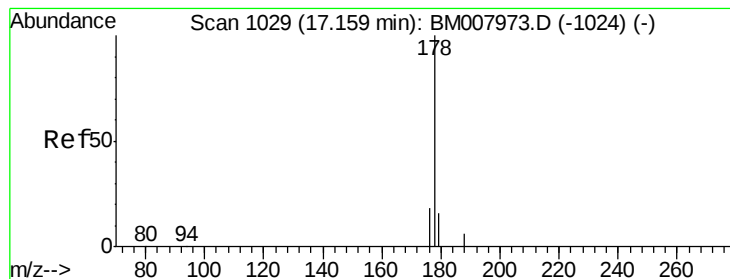
Ion 268.00 (267.70 to 268.70): E

16.78

16.60 16.80 17.00

Time-->





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.02 min

Lab File: BM007980.D

Acq: 22 Nov 2016 04:13

Instrument :

BNA_M

ClientSampleId :

JHSR7MS

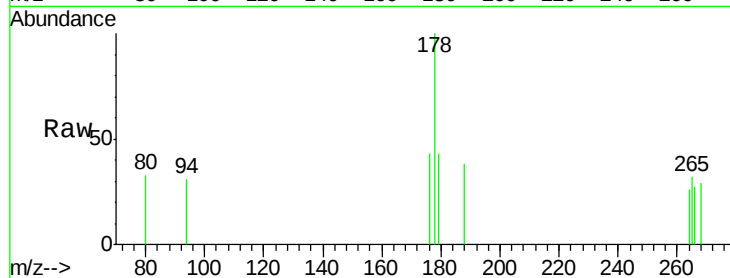
Tgt Ion:178 Resp: 465

Ion Ratio Lower Upper

178 100

176 42.8 18.4 27.6#

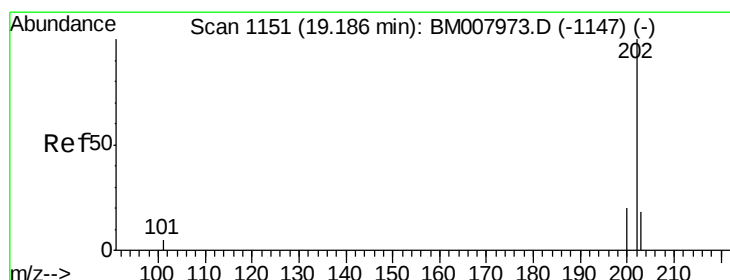
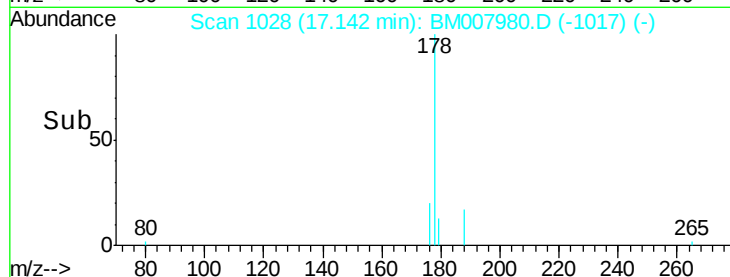
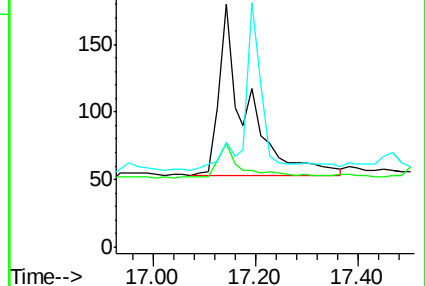
179 43.3 13.6 20.4#



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



#15

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BM007980.D

Acq: 22 Nov 2016 04:13

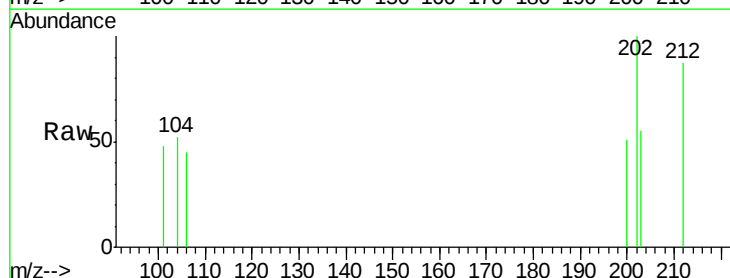
Tgt Ion:202 Resp: 134

Ion Ratio Lower Upper

202 100

101 48.5 0.0 30.3#

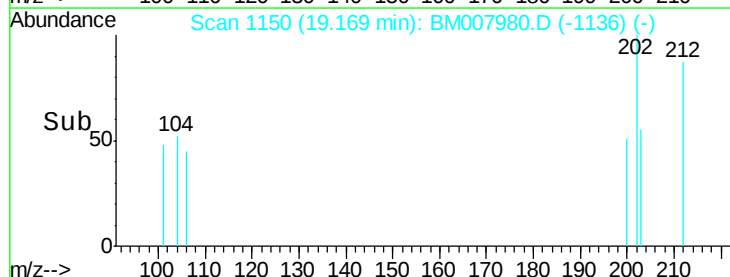
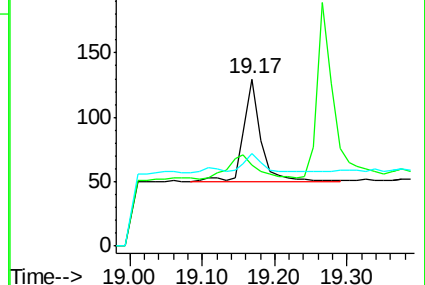
203 55.4 0.0 39.5#

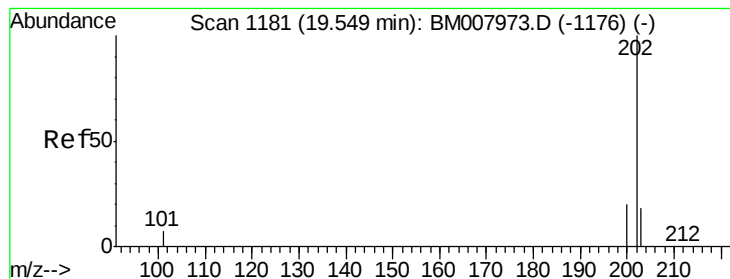


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pyrene

Concen: 0.31 ng/ul

RT: 19.53 min Scan# 1180

Delta R.T. -0.02 min

Lab File: BM007980.D

Acq: 22 Nov 2016 04:13

Instrument :

BNA_M

ClientSampleId :

JHSR7MS

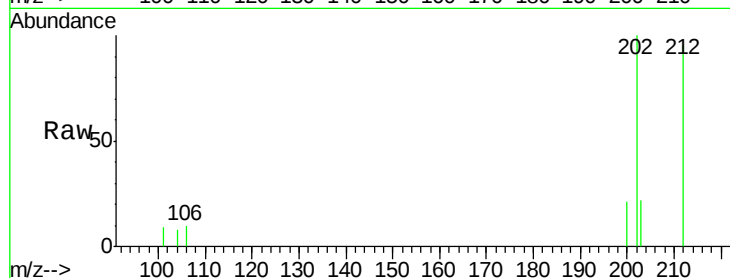
Tgt Ion:202 Resp: 2962

Ion Ratio Lower Upper

202 100

200 21.4 18.2 27.4

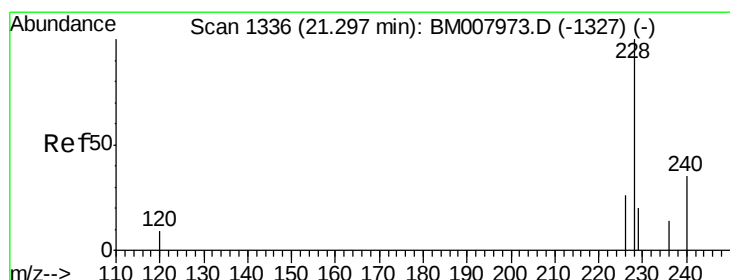
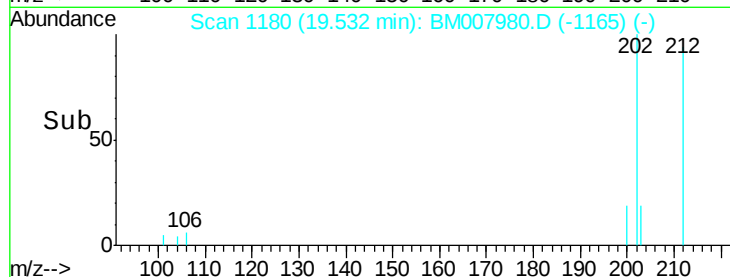
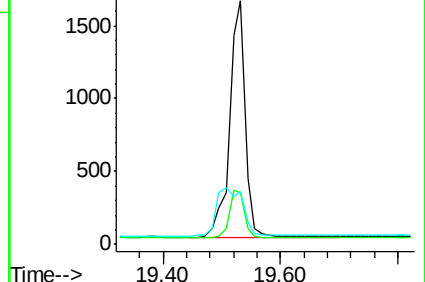
203 21.9 15.6 23.4



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: 0.04 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.05 min

Lab File: BM007980.D

Acq: 22 Nov 2016 04:13

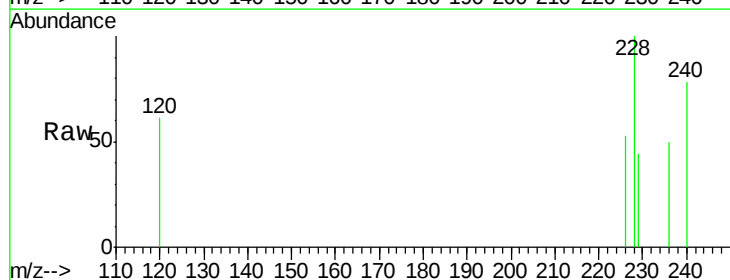
Tgt Ion:228 Resp: 310

Ion Ratio Lower Upper

228 100

226 52.6 22.8 34.2#

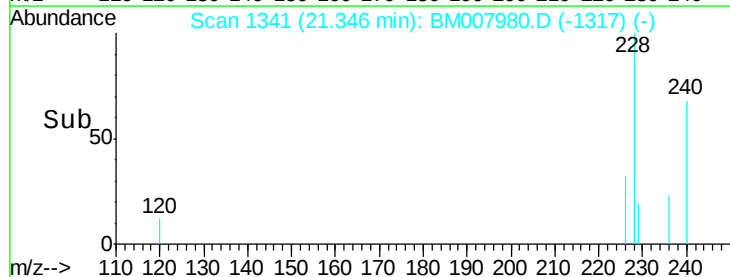
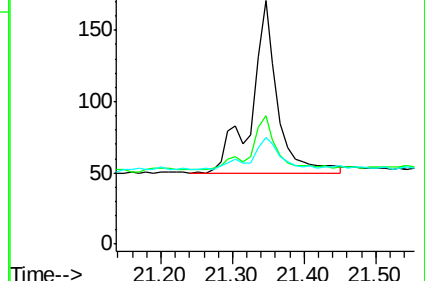
229 43.9 17.0 25.6#

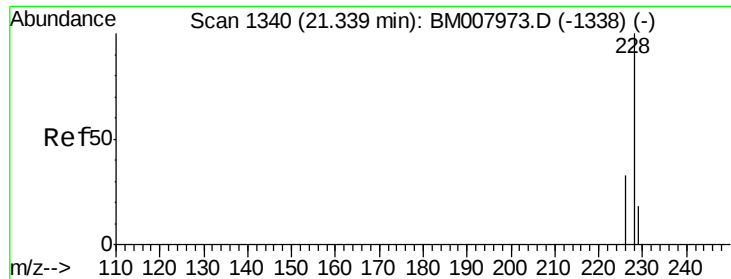


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#19

Chrysene

Concen: 0.03 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.01 min

Lab File: BM007980.D

Acq: 22 Nov 2016 04:13

Instrument :

BNA_M

ClientSampleId :

JHSR7MS

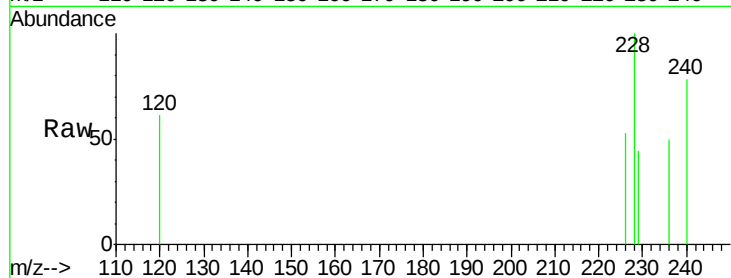
Tgt Ion:228 Resp: 316

Ion Ratio Lower Upper

228 100

226 52.6 23.4 35.0#

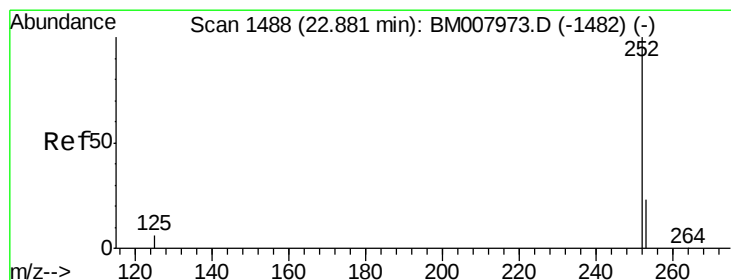
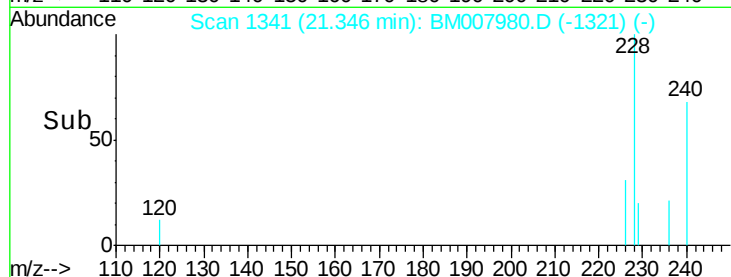
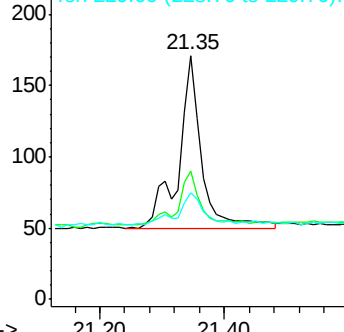
229 43.9 17.7 26.5#



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: 0.00 ng/ul

RT: 22.72 min Scan# 1473

Delta R.T. -0.16 min

Lab File: BM007980.D

Acq: 22 Nov 2016 04:13

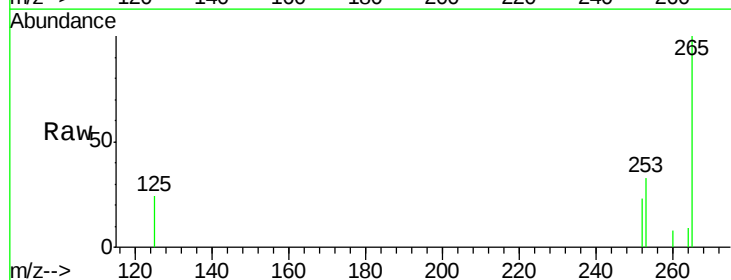
Tgt Ion:252 Resp: 13

Ion Ratio Lower Upper

252 100

253 142.2 0.0 64.2#

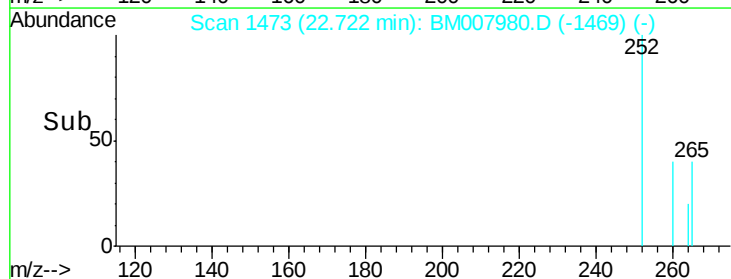
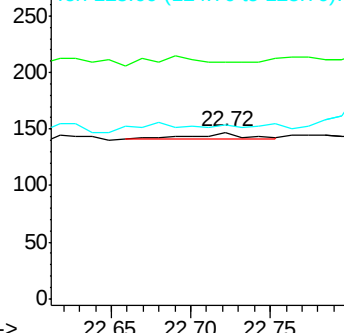
125 104.8 0.0 35.0#

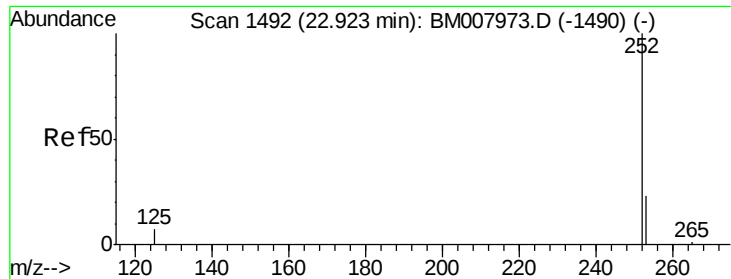


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.76 min Scan# 1477

Delta R.T. -0.16 min

Lab File: BM007980.D

Acq: 22 Nov 2016 04:13

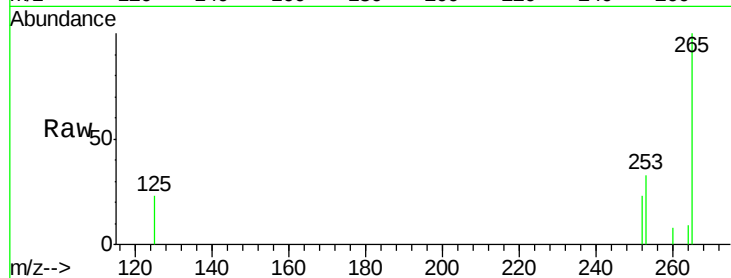
Instrument :

BNA_M

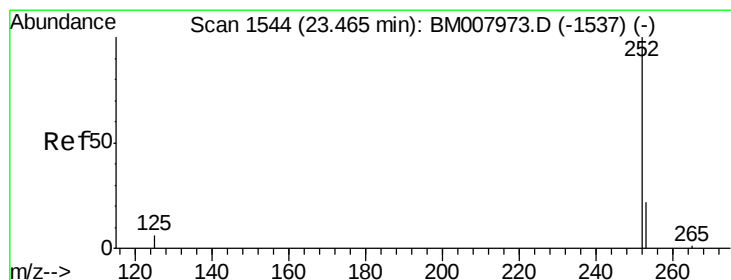
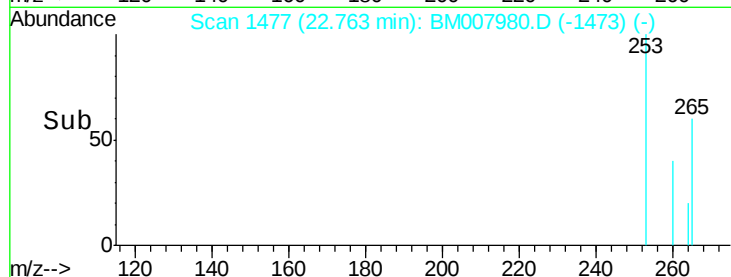
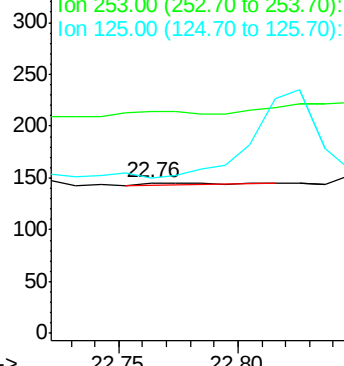
ClientSampleId :

JHSR7MS

Tgt Ion:	252	Resp:	5
Ion	Ratio	Lower	Upper
252	100		
253	147.6	24.5	36.7#
125	103.4	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: 0.00 ng/u1

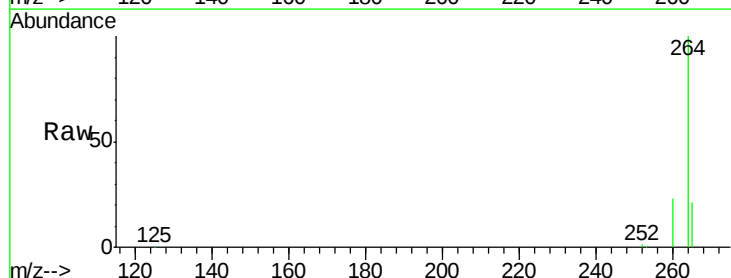
RT: 23.39 min Scan# 1537

Delta R.T. -0.08 min

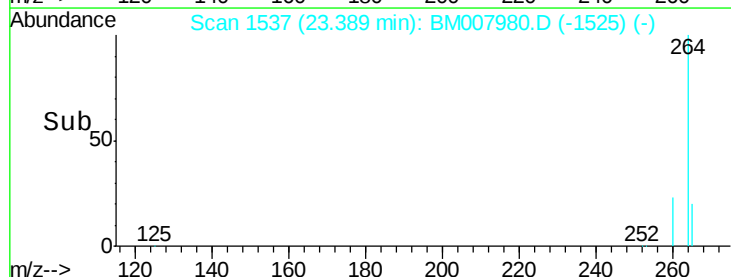
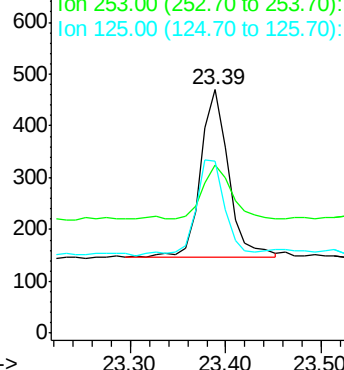
Lab File: BM007980.D

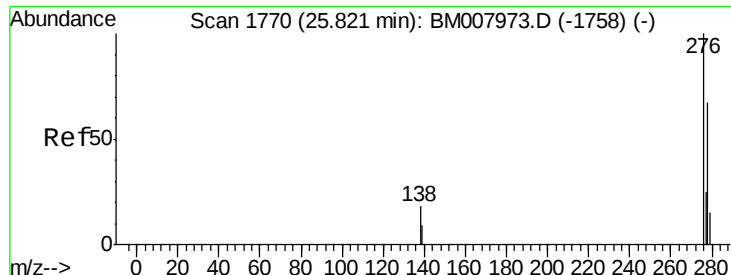
Acq: 22 Nov 2016 04:13

Tgt Ion:	252	Resp:	665
Ion	Ratio	Lower	Upper
252	100		
253	68.9	28.5	42.7#
125	70.9	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

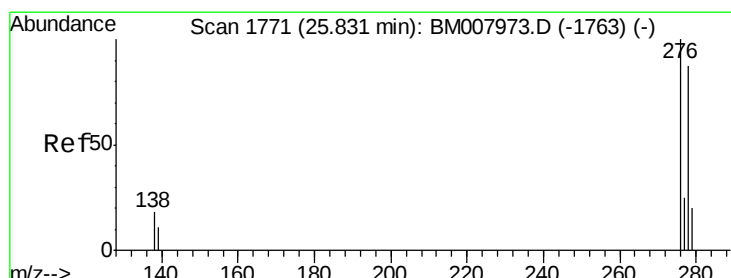
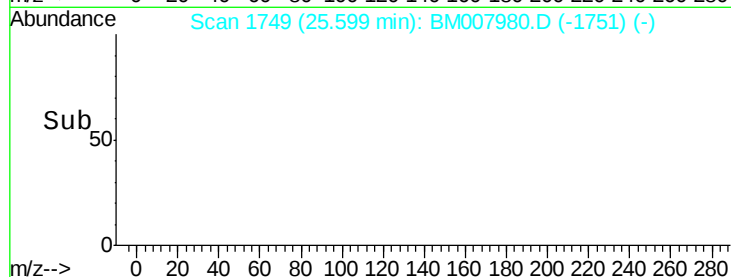
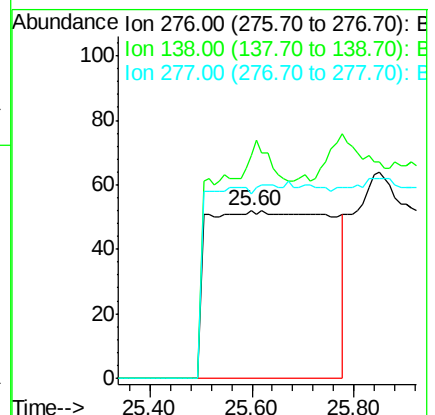
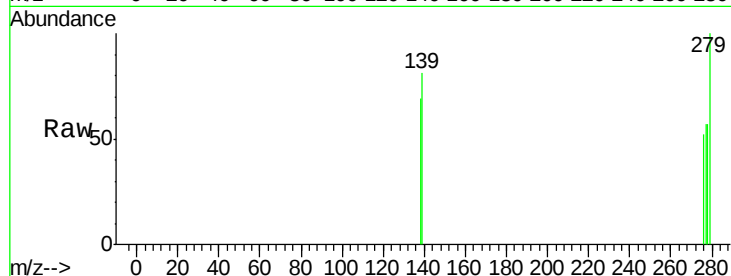




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.00 ng/ul
RT: 25.60 min Scan# 1749
Delta R.T. -0.22 min
Lab File: BM007980.D
Acq: 22 Nov 2016 04:13

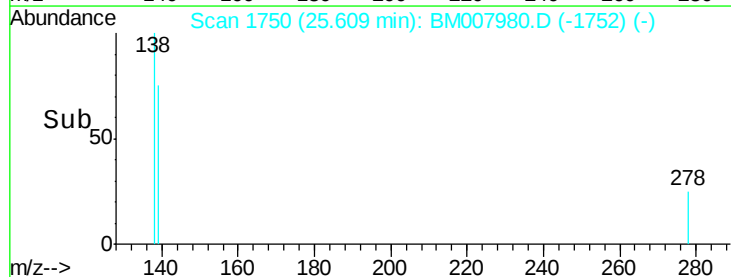
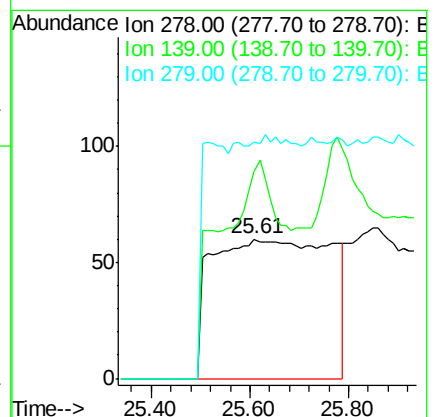
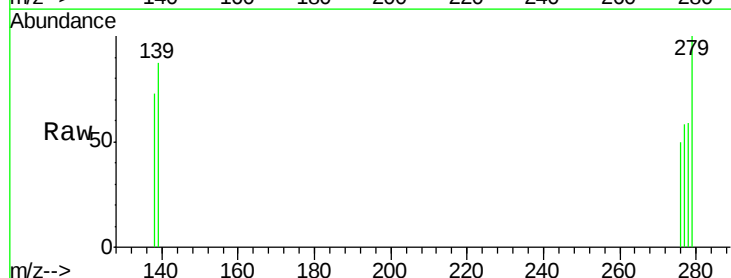
Instrument :
BNA_M
ClientSampleId :
JHSR7MS

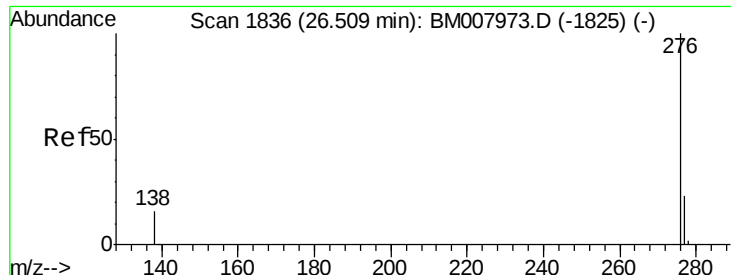
Tgt Ion: 276 Resp: 860
Ion Ratio Lower Upper
276 100
138 0.0 19.1 28.7#
277 0.0 19.6 29.4#



#25
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.61 min Scan# 1750
Delta R.T. -0.22 min
Lab File: BM007980.D
Acq: 22 Nov 2016 04:13

Tgt Ion: 278 Resp: 995
Ion Ratio Lower Upper
278 100
139 148.3 17.4 26.0#
279 170.0 25.9 38.9#





#26

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.33 min Scan# 1819

Delta R.T. -0.18 min

Lab File: BM007980.D

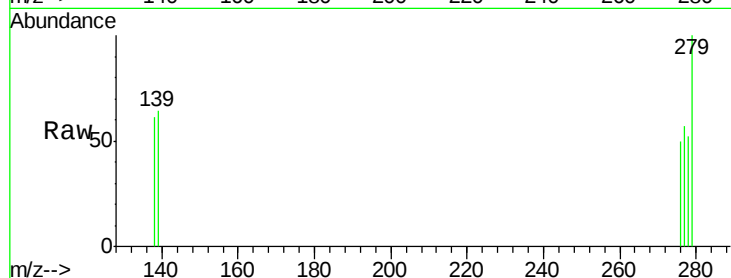
Acq: 22 Nov 2016 04:13

Instrument :

BNA_M

ClientSampleId :

JHSR7MS



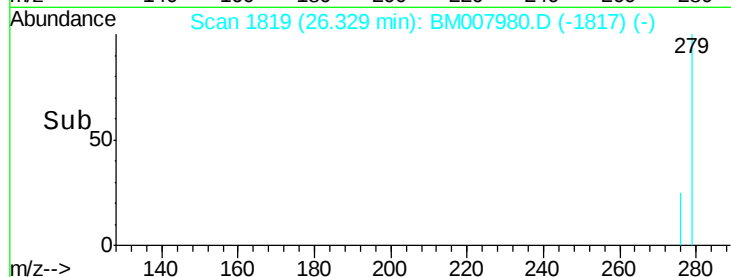
Tgt Ion: 276 Resp: 1

Ion Ratio Lower Upper

276 100

277 113.7 21.8 32.8#

138 121.6 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

