

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112116\
 Data File : BM007971.D
 Acq On : 21 Nov 2016 22:52
 Operator : UM/SJ
 Sample : H5695-10MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST5MSD

Quant Time: Nov 22 05:01:12 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 04:57:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	723	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.50	136	2379	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1456	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.19	188	164328	0.40	ng/ul	0.07
16) Chrysene-d12	21.31	240	3006	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	155550	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	831	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.14	212	2013	0.00	ng/ul	-0.02

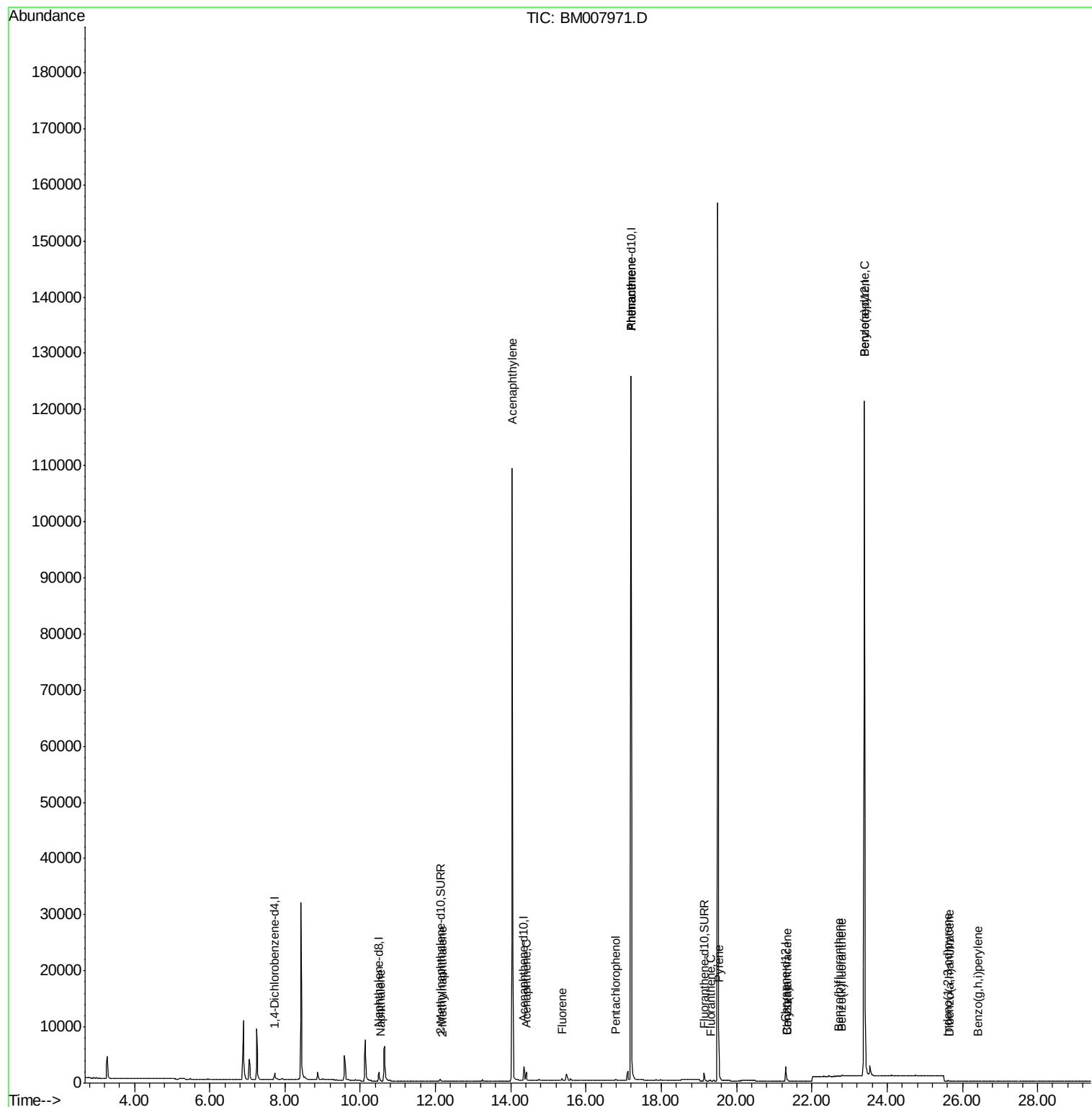
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	47	0.01	ng/ul#	1
5) 2-Methylnaphthalene	12.18	142	23	0.01	ng/ul#	76
7) Acenaphthylene	14.04	152	26	0.00	ng/ul#	1
8) Acenaphthene	14.42	153	1059	0.21	ng/ul	95
9) Fluorene	15.36	166	347	0.06	ng/ul#	31
11) Pentachlorophenol	16.78	266	216	0.00	ng/ul	94
12) Phenanthrene	17.19	178	102	0.00	ng/ul#	1
13) Anthracene	17.19	178	111	0.00	ng/ul#	1
15) Fluoranthene	19.32	202	9	0.00	ng/ul#	1
17) Pyrene	19.52	202	3110	0.30	ng/ul	97
18) Benzo(a)anthracene	21.35	228	313	0.03	ng/ul#	54
19) Chrysene	21.35	228	325	0.03	ng/ul#	56
21) Benzo(b)fluoranthene	22.70	252	7	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.79	252	13	0.00	ng/ul#	1
23) Benzo(a)pyrene	23.39	252	787	0.00	ng/ul#	38
24) Indeno(1,2,3-cd)pyrene	25.61	276	943	0.00	ng/ul#	1
25) Dibenzo(a,h)anthracene	25.66	278	1095	0.00	ng/ul#	1
26) Benzo(g,h,i)perylene	26.40	276	1	0.00	ng/ul#	1

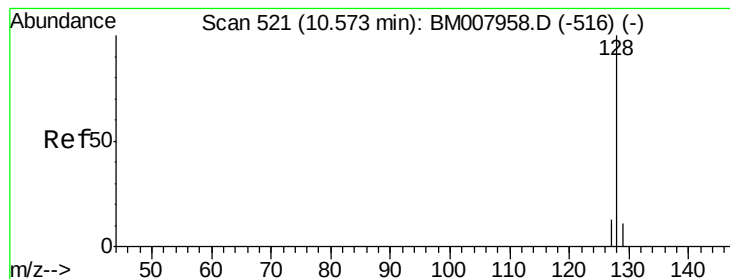
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.01 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.02 min

Lab File: BM007971.D

Acq: 21 Nov 2016 22:52

Instrument :

BNA_M

ClientSampleId :

JHST5MSD

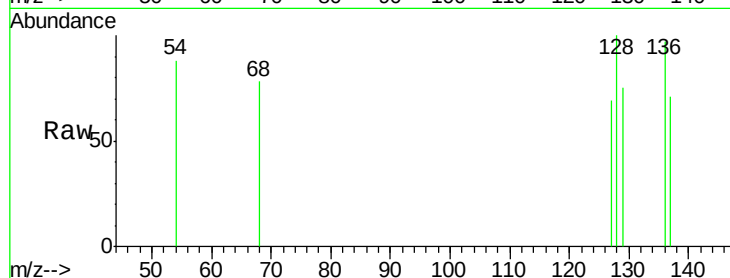
Tgt Ion:128 Resp: 47

Ion Ratio Lower Upper

128 100

129 75.0 11.3 16.9#

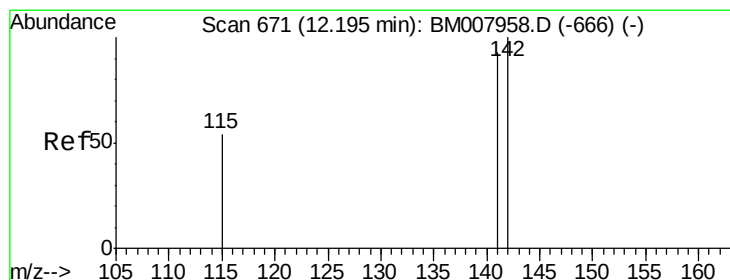
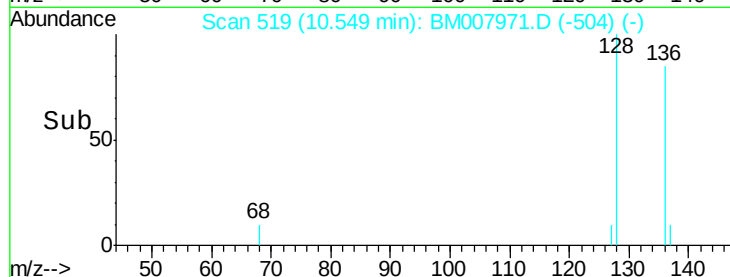
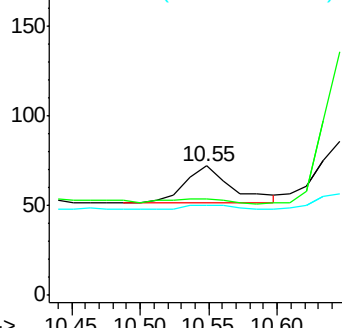
127 69.4 12.8 19.2#



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: 0.01 ng/ul

RT: 12.18 min Scan# 670

Delta R.T. -0.01 min

Lab File: BM007971.D

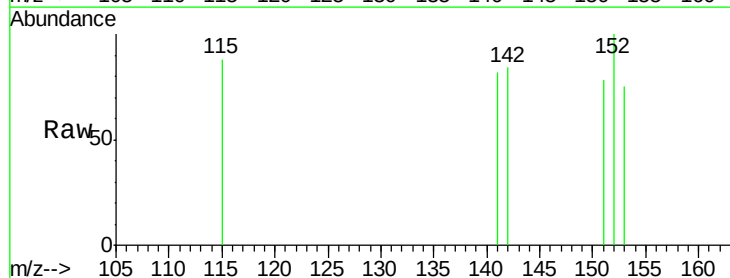
Acq: 21 Nov 2016 22:52

Tgt Ion:142 Resp: 23

Ion Ratio Lower Upper

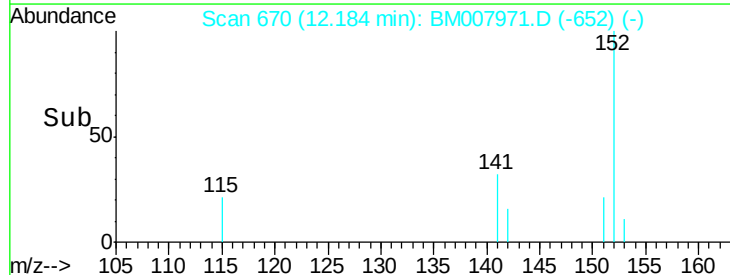
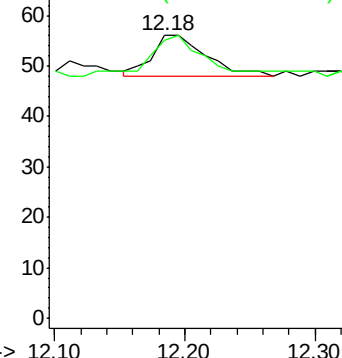
142 100

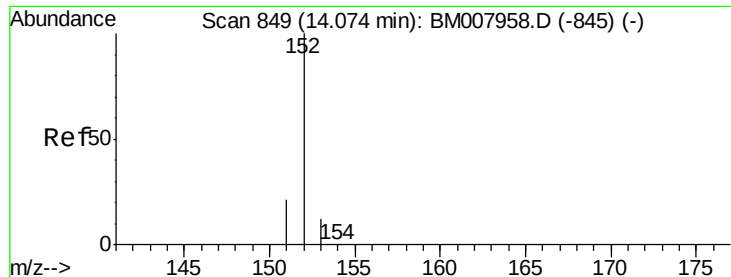
141 113.0 72.6 108.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.03 min

Lab File: BM007971.D

Acq: 21 Nov 2016 22:52

Instrument :

BNA_M

ClientSampleId :

JHST5MSD

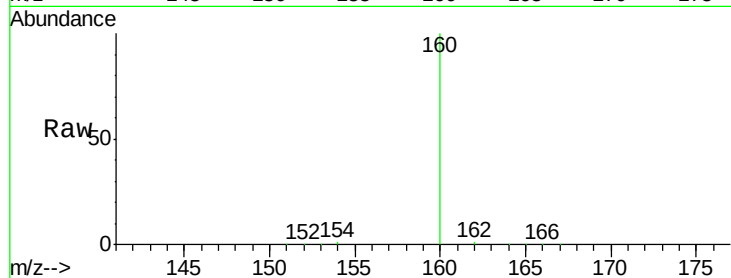
Tgt Ion:152 Resp: 26

Ion Ratio Lower Upper

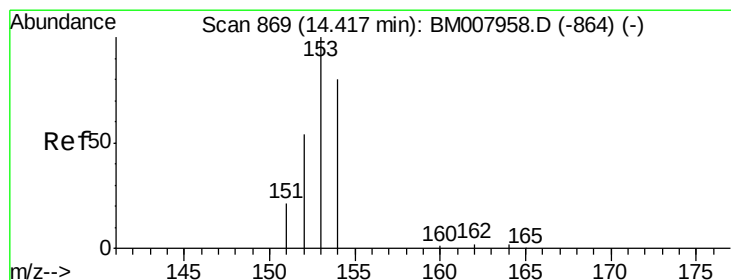
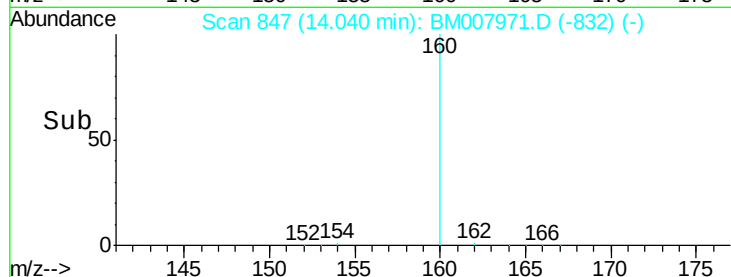
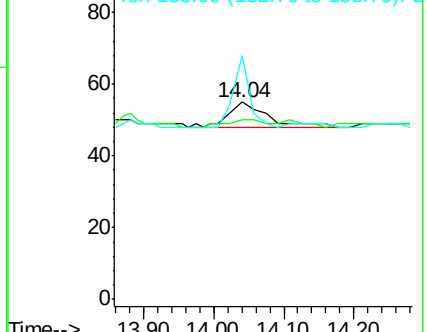
152 100

151 90.9 17.1 25.7#

153 123.6 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: 0.21 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM007971.D

Acq: 21 Nov 2016 22:52

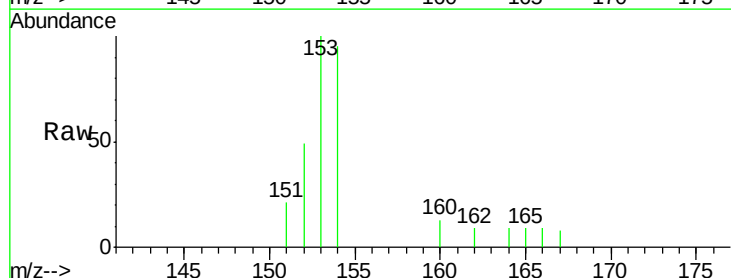
Tgt Ion:153 Resp: 1059

Ion Ratio Lower Upper

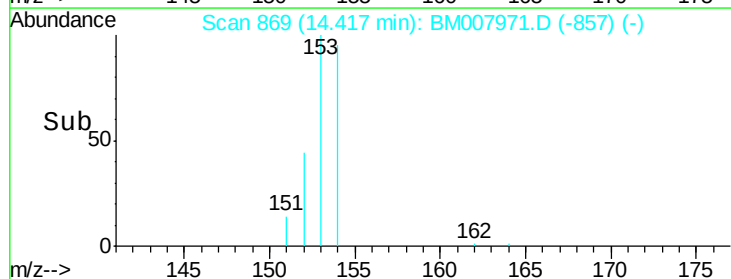
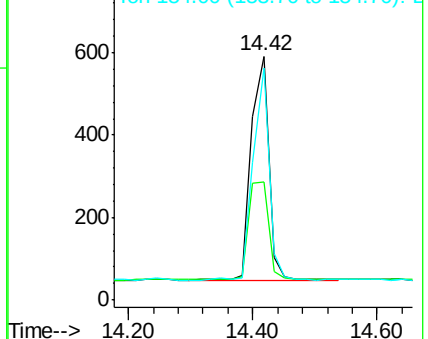
153 100

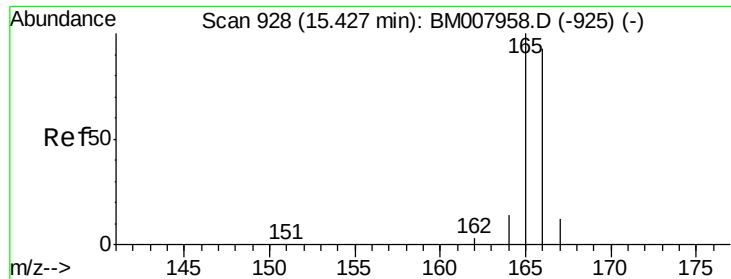
152 48.6 40.3 60.5

154 95.3 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: 0.06 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.07 min

Lab File: BM007971.D

Acq: 21 Nov 2016 22:52

Instrument :

BNA_M

ClientSampleId :

JHST5MSD

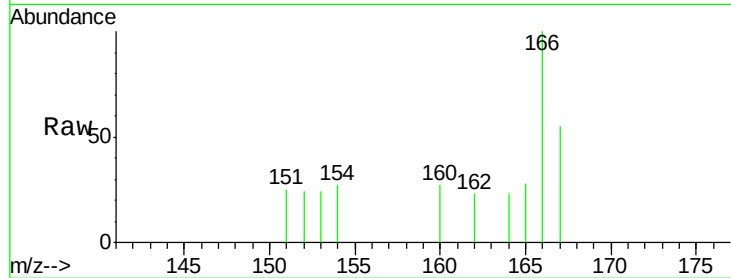
Tgt Ion:166 Resp: 347

Ion Ratio Lower Upper

166 100

165 28.4 73.4 110.2#

167 55.0 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

15.36

200

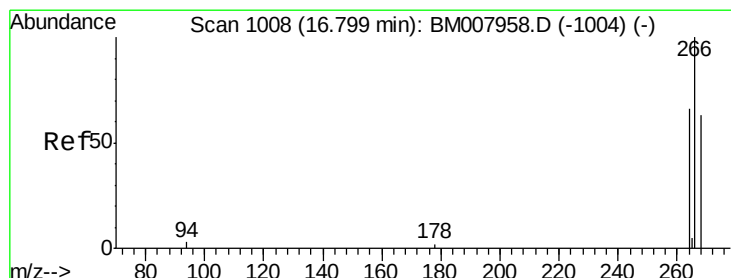
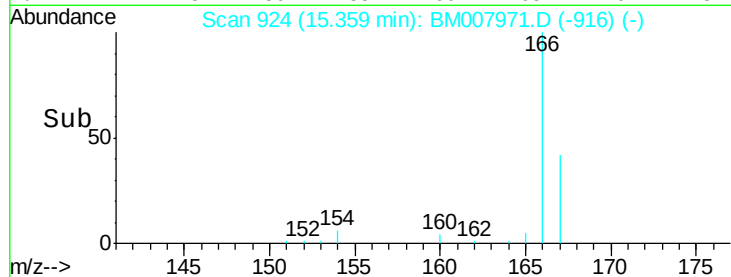
150

100

50

0

Time-->



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.78 min Scan# 1007

Delta R.T. -0.02 min

Lab File: BM007971.D

Acq: 21 Nov 2016 22:52

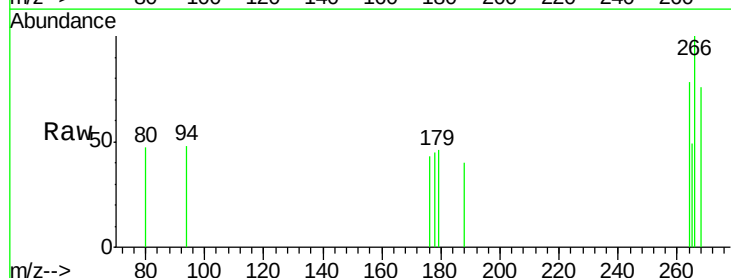
Tgt Ion:266 Resp: 216

Ion Ratio Lower Upper

266 100

264 54.2 47.9 71.9

268 65.7 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

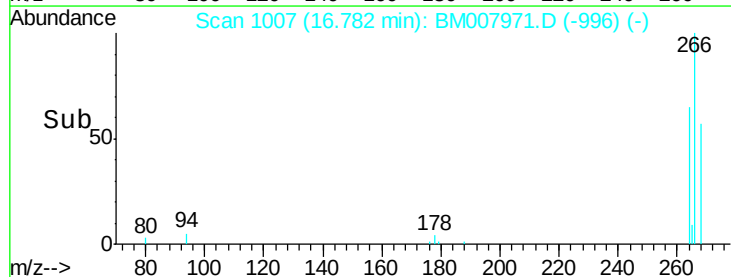
150

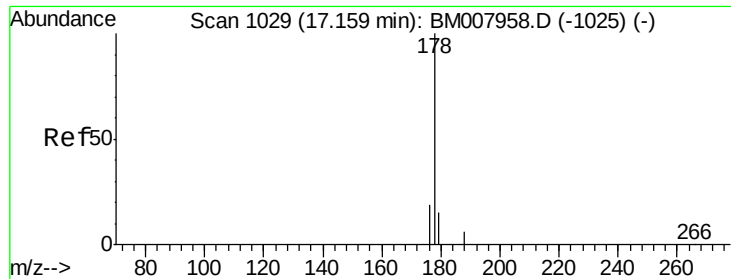
100

50

0

Time-->





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. 0.03 min

Lab File: BM007971.D

Acq: 21 Nov 2016 22:52

Instrument :

BNA_M

ClientSampleId :

JHST5MSD

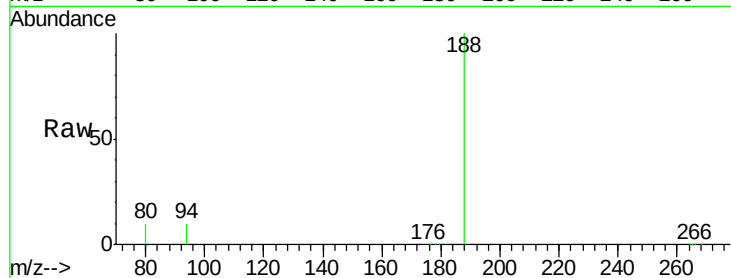
Tgt Ion:178 Resp: 102

Ion Ratio Lower Upper

178 100

176 50.0 18.4 27.6#

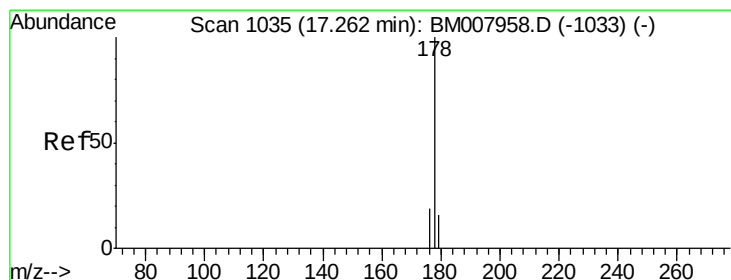
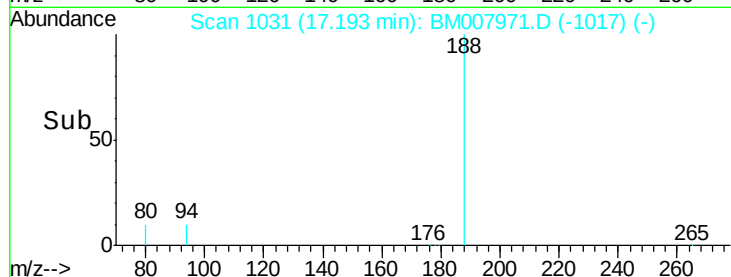
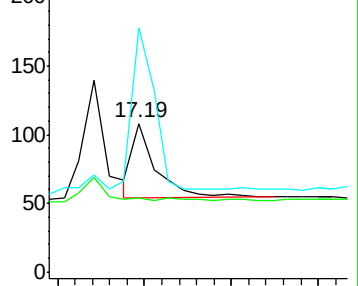
179 164.8 13.6 20.4#



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: 0.00 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. -0.07 min

Lab File: BM007971.D

Acq: 21 Nov 2016 22:52

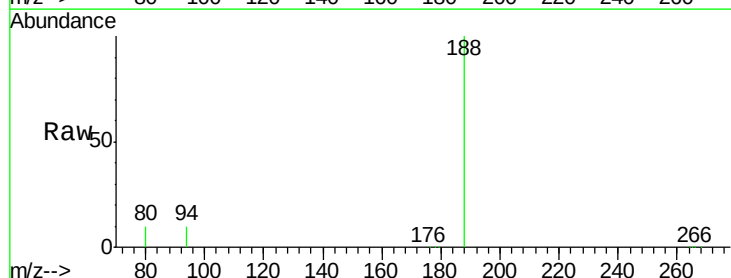
Tgt Ion:178 Resp: 111

Ion Ratio Lower Upper

178 100

176 50.0 18.1 27.1#

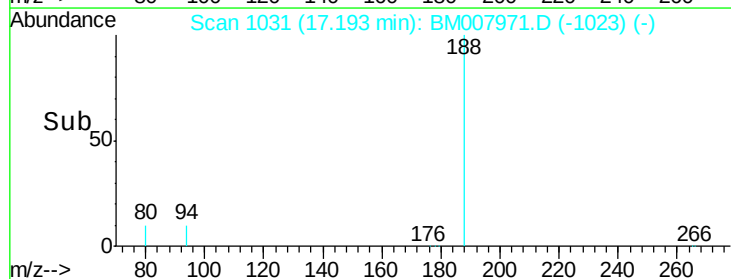
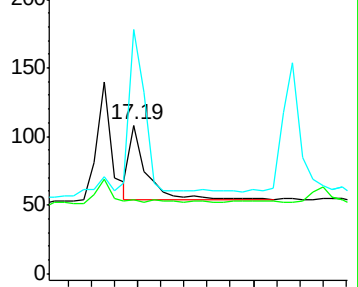
179 164.8 14.7 22.1#

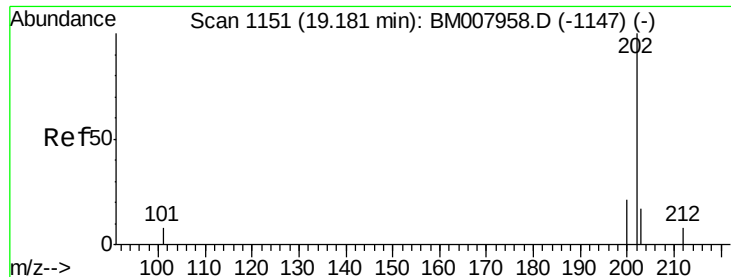


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

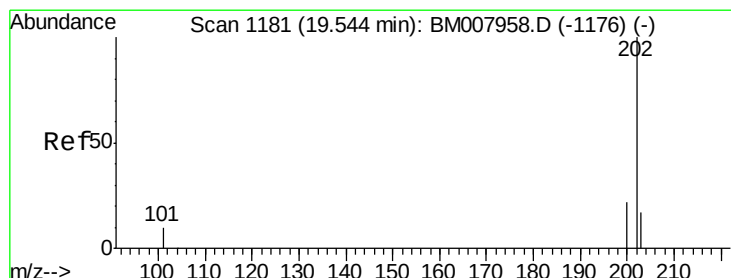
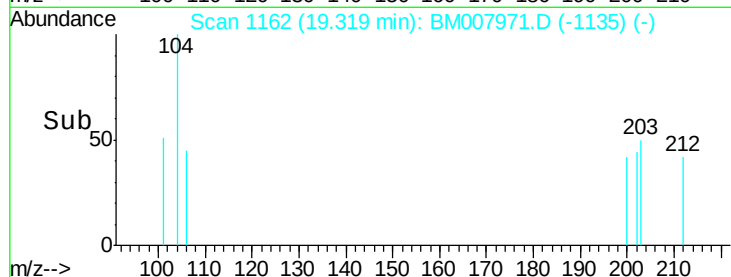
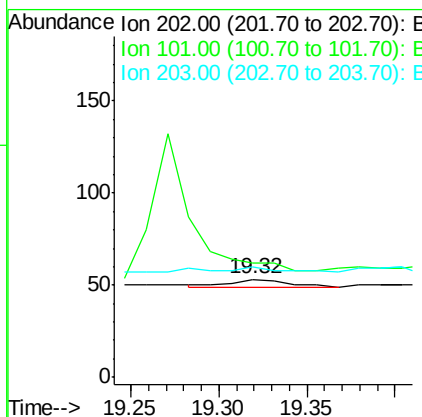
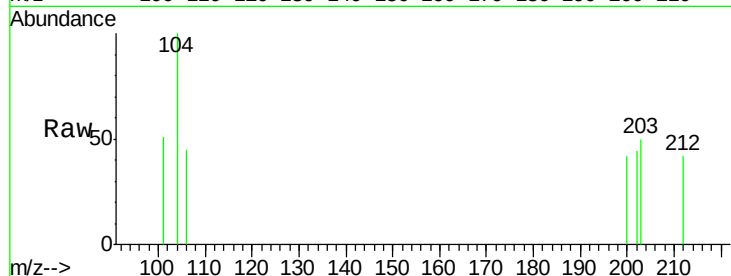




#15
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.32 min Scan# 1162
 Delta R.T. 0.14 min
 Lab File: BM007971.D
 Acq: 21 Nov 2016 22:52

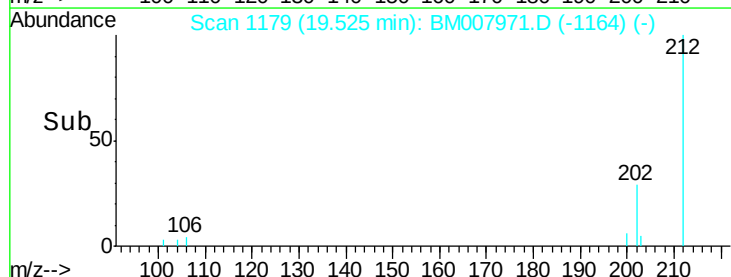
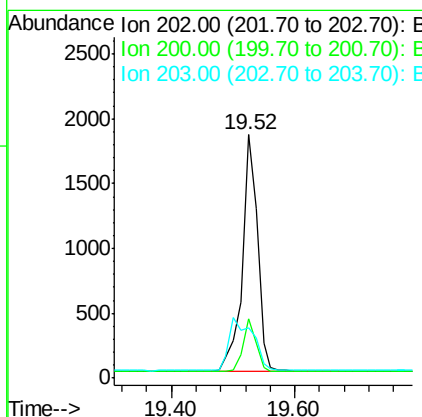
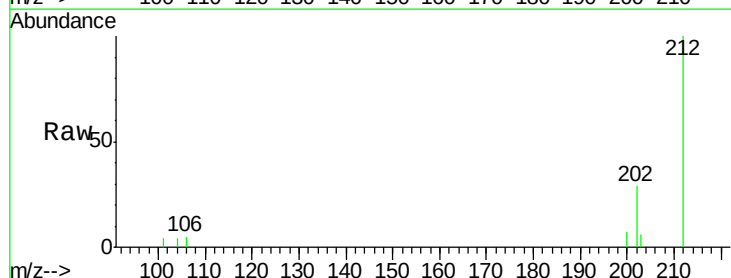
Instrument :
 BNA_M
 ClientSampleId :
 JHST5MSD

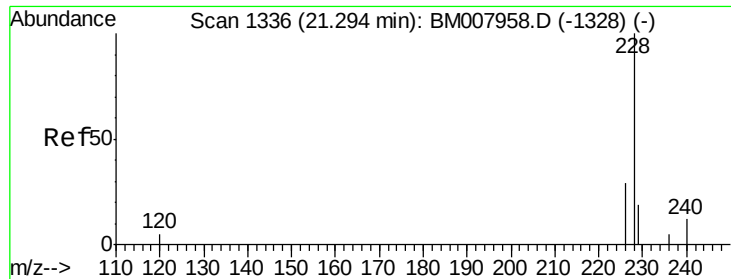
Tgt Ion:202 Resp: 9
 Ion Ratio Lower Upper
 202 100
 101 117.0 0.0 30.3#
 203 113.2 0.0 39.5#



#17
Pyrene
 Concen: 0.30 ng/ul
 RT: 19.52 min Scan# 1179
 Delta R.T. -0.02 min
 Lab File: BM007971.D
 Acq: 21 Nov 2016 22:52

Tgt Ion:202 Resp: 3110
 Ion Ratio Lower Upper
 202 100
 200 24.3 18.2 27.4
 203 20.6 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.03 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.06 min

Lab File: BM007971.D

Acq: 21 Nov 2016 22:52

Instrument :

BNA_M

ClientSampleId :

JHST5MSD

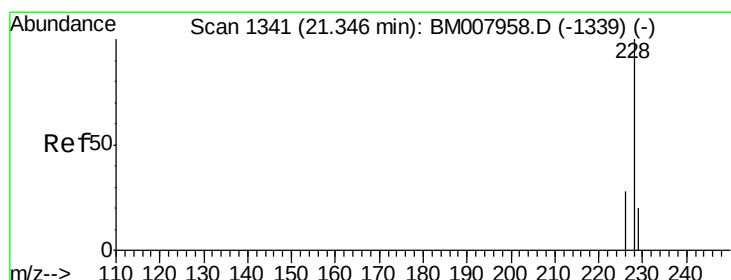
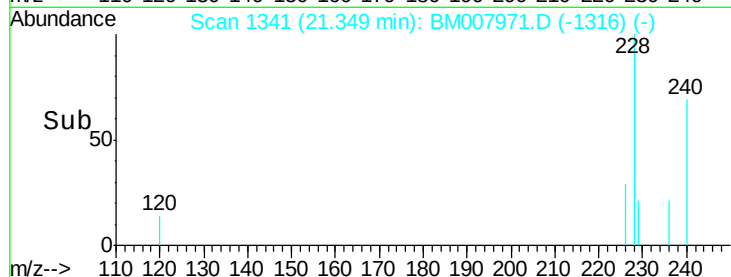
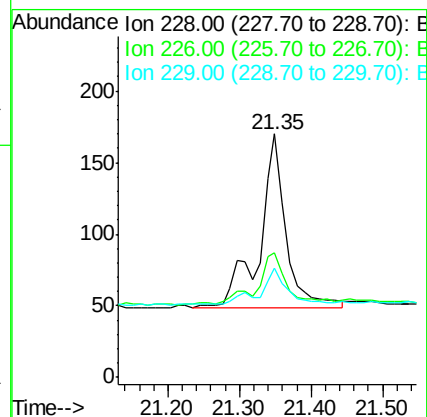
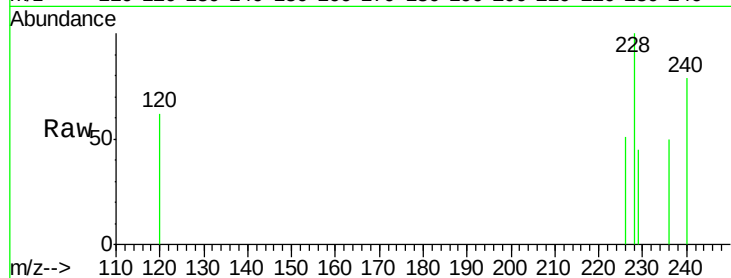
Tgt Ion:228 Resp: 313

Ion Ratio Lower Upper

228 100

226 51.2 22.8 34.2#

229 44.7 17.0 25.6#



#19

Chrysene

Concen: 0.03 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BM007971.D

Acq: 21 Nov 2016 22:52

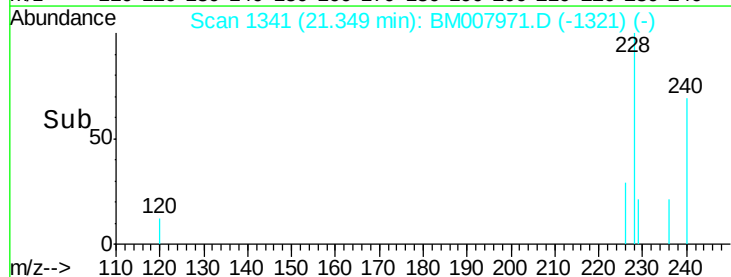
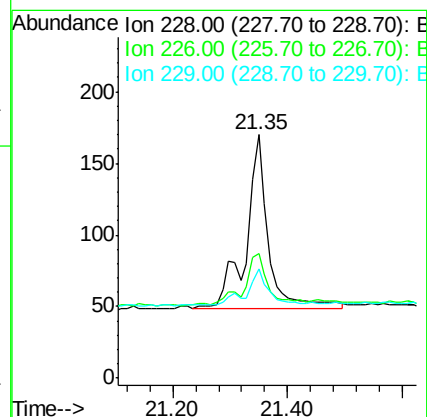
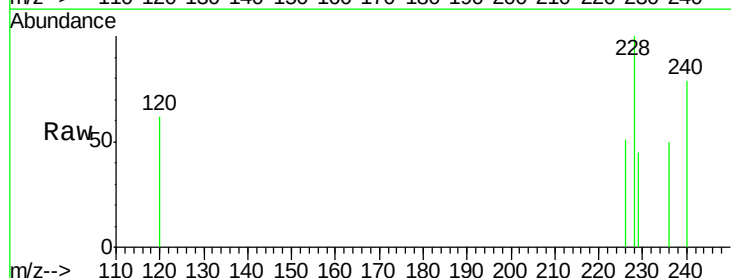
Tgt Ion:228 Resp: 325

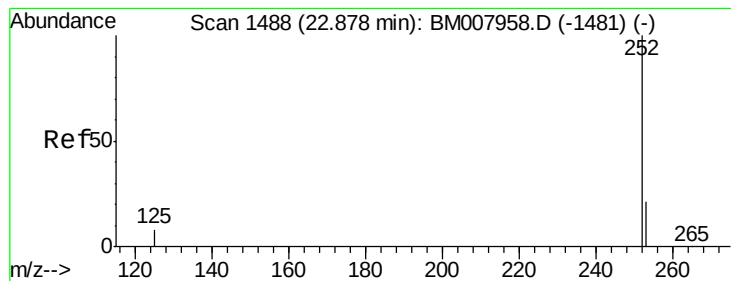
Ion Ratio Lower Upper

228 100

226 51.2 23.4 35.0#

229 44.7 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.70 min Scan# 1471

Delta R.T. -0.17 min

Lab File: BM007971.D

Acq: 21 Nov 2016 22:52

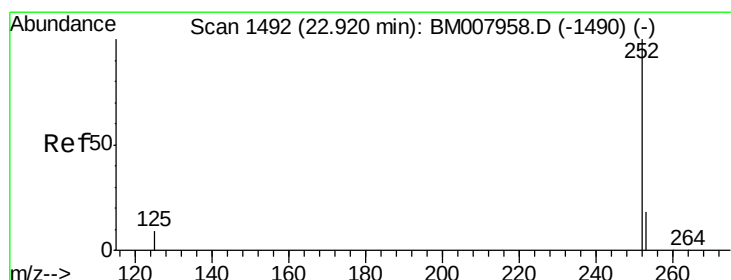
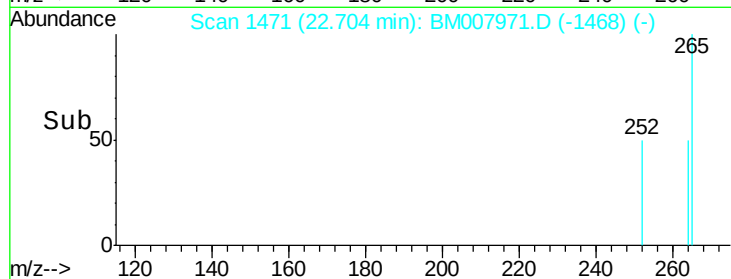
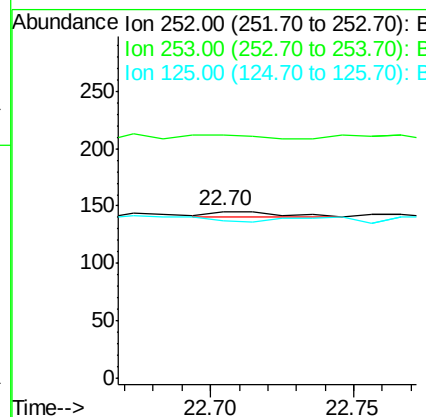
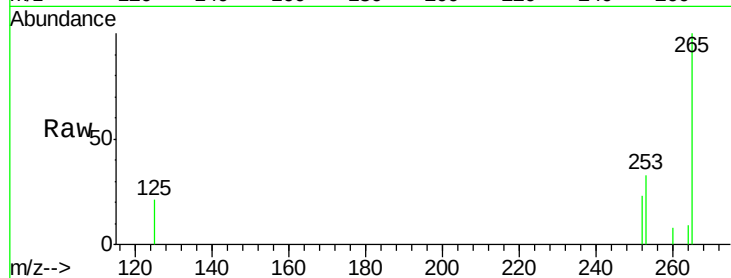
Instrument :

BNA_M

ClientSampleId :

JHST5MSD

Tgt Ion:	252	Resp:	7
Ion	Ratio	Lower	Upper
252	100		
253	146.2	0.0	64.2#
125	94.5	0.0	35.0#



#22

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

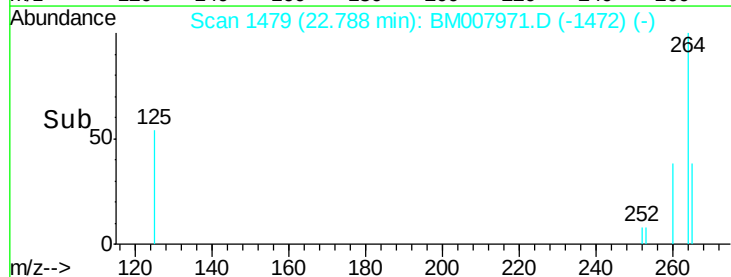
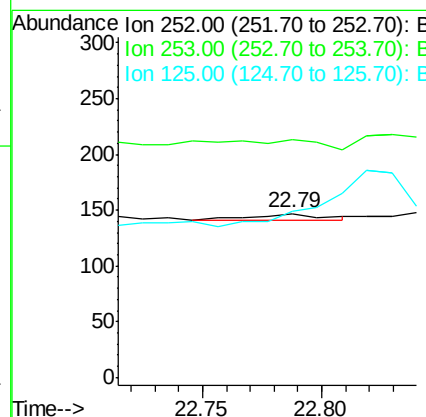
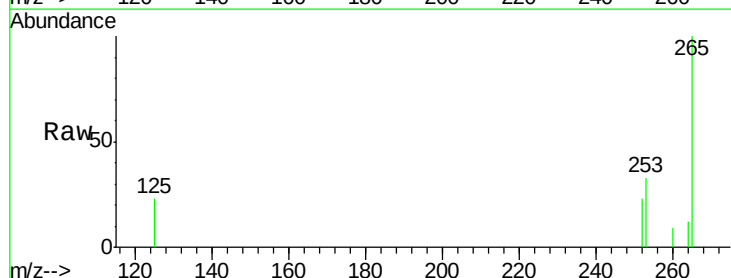
RT: 22.79 min Scan# 1479

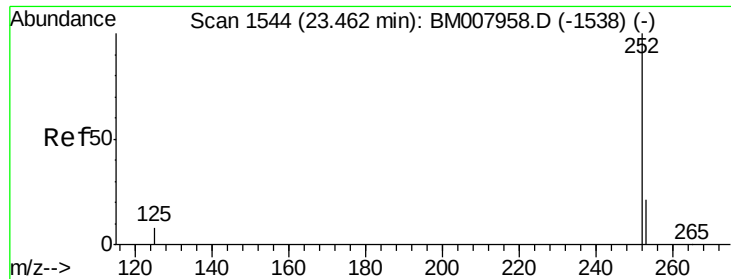
Delta R.T. -0.13 min

Lab File: BM007971.D

Acq: 21 Nov 2016 22:52

Tgt Ion:	252	Resp:	13
Ion	Ratio	Lower	Upper
252	100		
253	144.9	24.5	36.7#
125	101.4	13.7	20.5#





#23

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.39 min Scan# 1537

Delta R.T. -0.07 min

Lab File: BM007971.D

Acq: 21 Nov 2016 22:52

Instrument :

BNA_M

ClientSampleId :

JHST5MSD

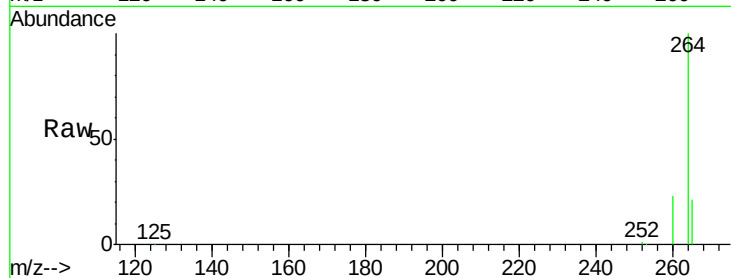
Tgt Ion:252 Resp: 787

Ion Ratio Lower Upper

252 100

253 65.4 28.5 42.7#

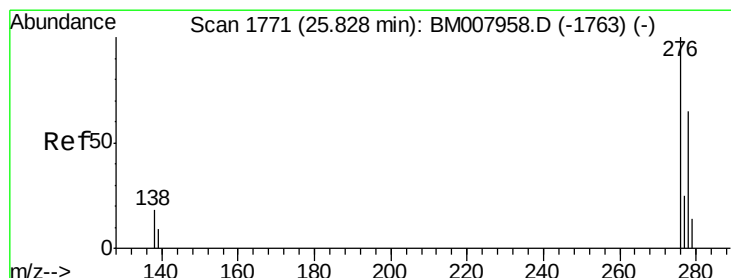
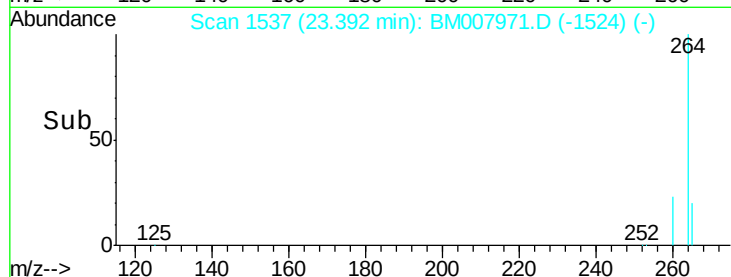
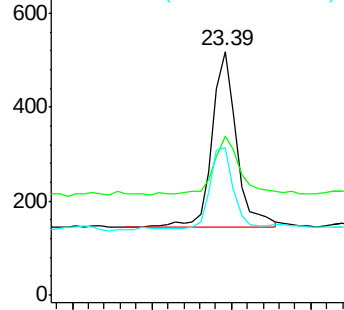
125 60.4 18.1 27.1#



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: 25.61 min Scan# 1750

Delta R.T. -0.22 min

Lab File: BM007971.D

Acq: 21 Nov 2016 22:52

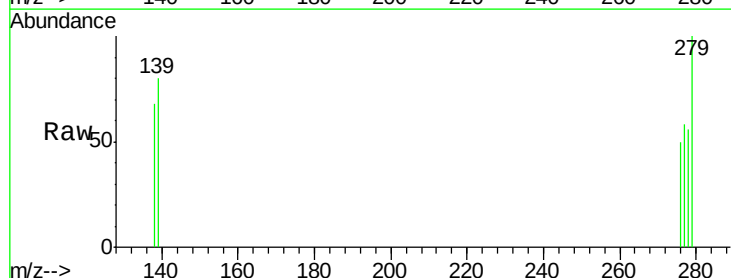
Tgt Ion:276 Resp: 943

Ion Ratio Lower Upper

276 100

138 123.0 19.1 28.7#

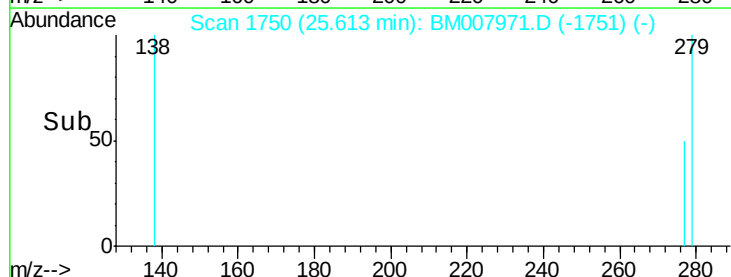
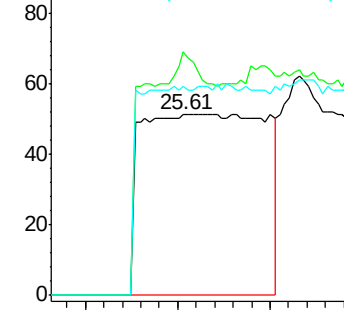
277 0.0 19.6 29.4#

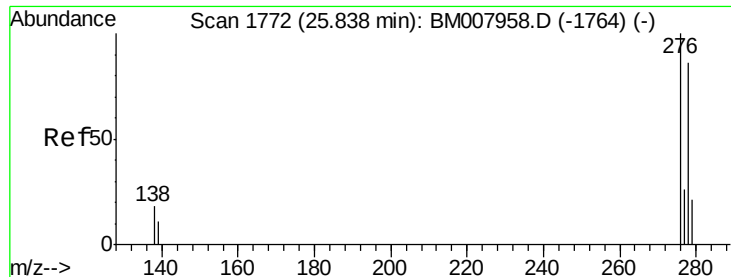


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

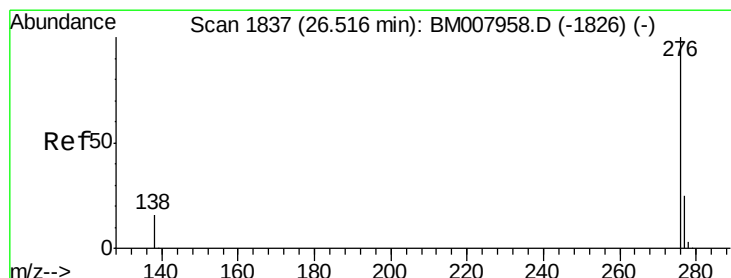
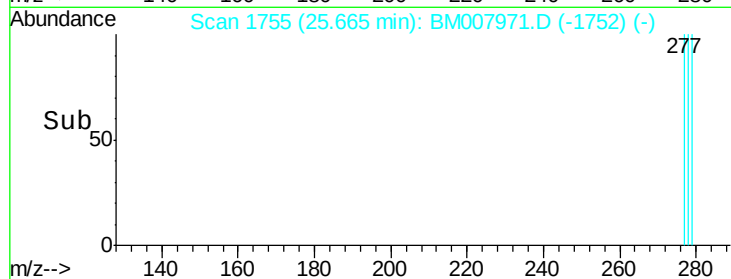
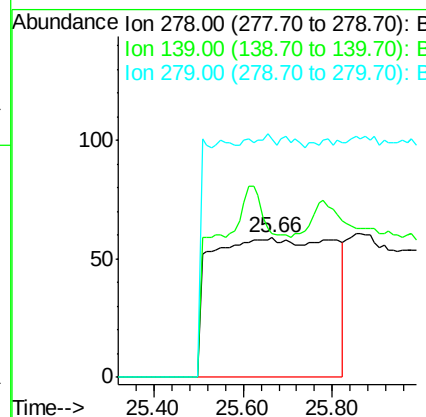
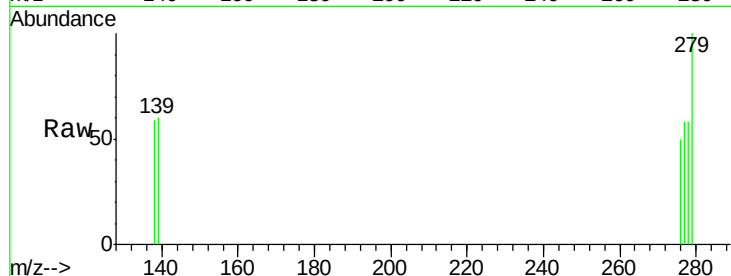




#25
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.66 min Scan# 1755
Delta R.T. -0.17 min
Lab File: BM007971.D
Acq: 21 Nov 2016 22:52

Instrument :
BNA_M
ClientSampleId :
JHST5MSD

Tgt Ion: 278 Resp: 1095
Ion Ratio Lower Upper
278 100
139 103.4 17.4 26.0#
279 171.2 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.40 min Scan# 1826
Delta R.T. -0.11 min
Lab File: BM007971.D
Acq: 21 Nov 2016 22:52

Tgt Ion: 276 Resp: 1
Ion Ratio Lower Upper
276 100
277 113.7 21.8 32.8#
138 115.7 20.5 30.7#

