

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112116\
 Data File : BM007970.D
 Acq On : 21 Nov 2016 22:17
 Operator : UM/SJ
 Sample : H5695-09MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST5MS

Quant Time: Nov 22 05:01:01 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	725	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.50	136	2336	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1444	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.19	188	138336	0.40	ng/ul	0.07
16) Chrysene-d12	21.31	240	3045	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	130827	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	682	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.14	212	1715	0.00	ng/ul	-0.02

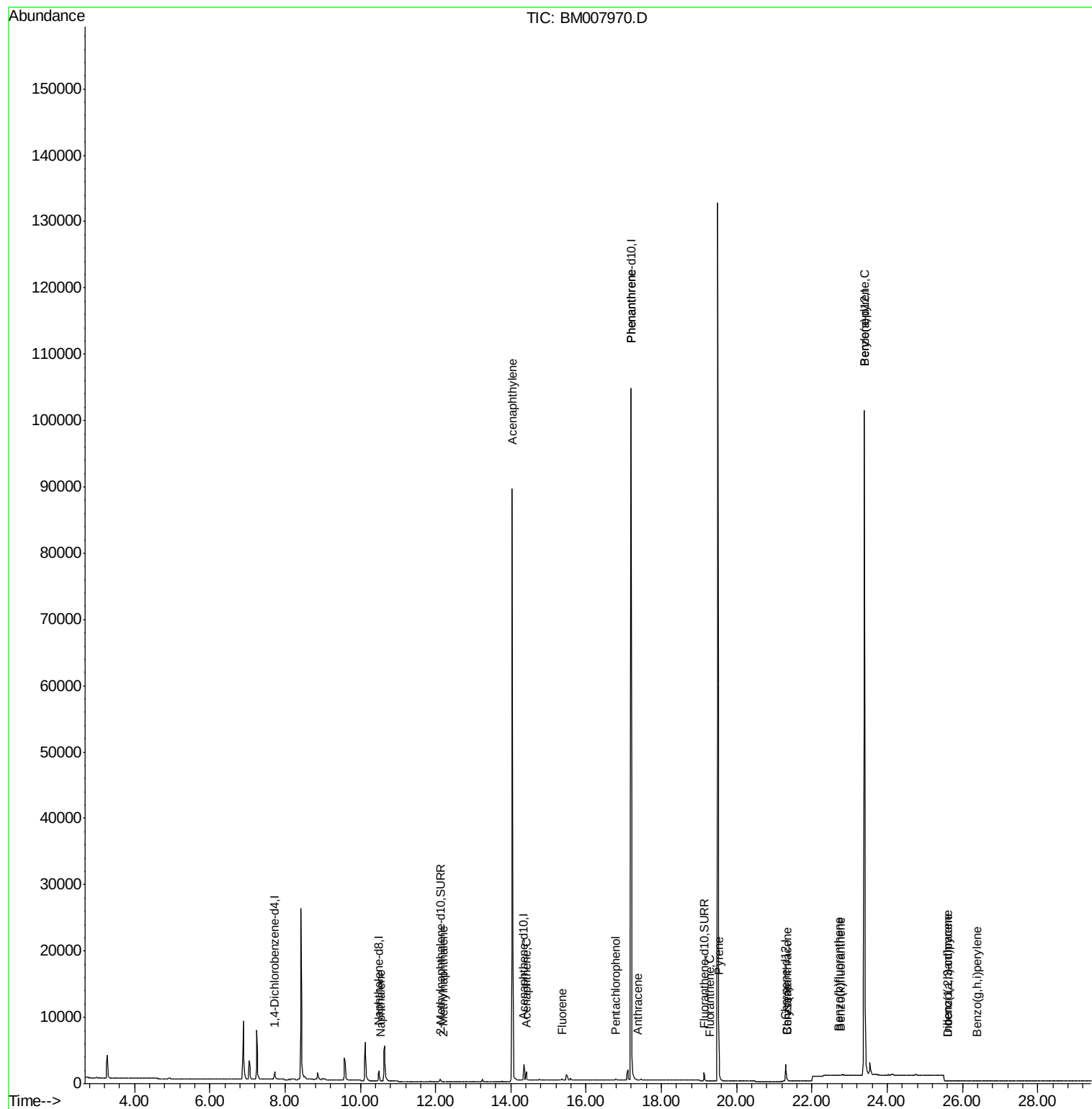
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	44	0.01	ng/ul#	1
5) 2-Methylnaphthalene	12.19	142	17	0.00	ng/ul	90
7) Acenaphthylene	14.04	152	25	0.00	ng/ul#	1
8) Acenaphthene	14.42	153	961	0.19	ng/ul	95
9) Fluorene	15.36	166	292	0.05	ng/ul#	33
11) Pentachlorophenol	16.80	266	190	0.00	ng/ul	97
12) Phenanthrene	17.19	178	94	0.00	ng/ul#	1
13) Anthracene	17.38	178	4	0.00	ng/ul#	1
15) Fluoranthene	19.29	202	7	0.00	ng/ul#	1
17) Pyrene	19.52	202	2820	0.27	ng/ul	96
18) Benzo(a)anthracene	21.35	228	273	0.03	ng/ul#	51
19) Chrysene	21.35	228	282	0.02	ng/ul#	53
21) Benzo(b)fluoranthene	22.71	252	8	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.78	252	6	0.00	ng/ul#	1
23) Benzo(a)pyrene	23.39	252	655	0.00	ng/ul#	35
24) Indeno(1,2,3-cd)pyrene	25.61	276	906	0.00	ng/ul#	51
25) Dibenzo(a,h)anthracene	25.61	278	1096	0.00	ng/ul#	1
26) Benzo(g,h,i)perylene	26.39	276	3	0.00	ng/ul#	1

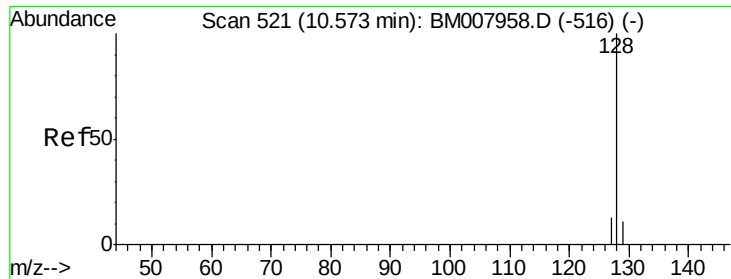
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM007970.D

Acq: 21 Nov 2016 22:17

Instrument :

BNA_M

ClientSampleId :

JHST5MS

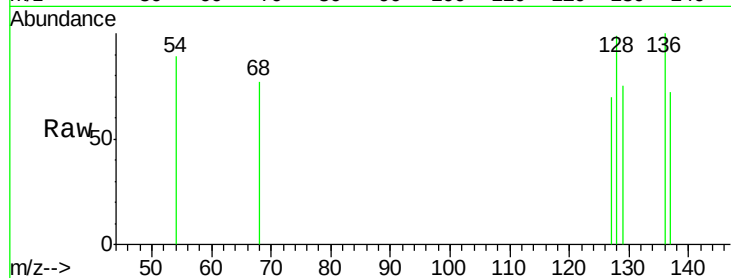
Tgt Ion:128 Resp: 44

Ion Ratio Lower Upper

128 100

129 75.7 11.3 16.9#

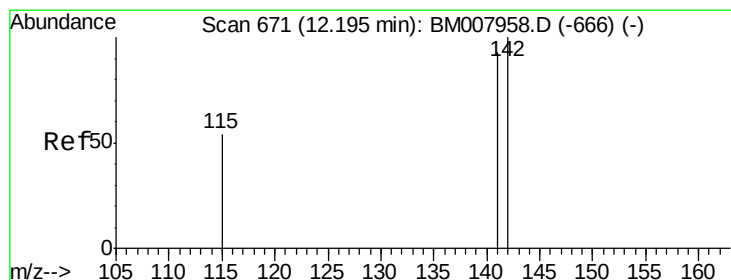
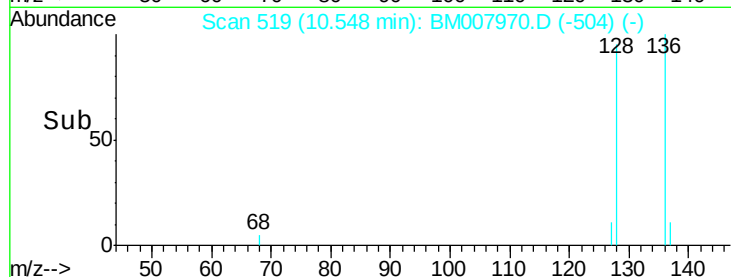
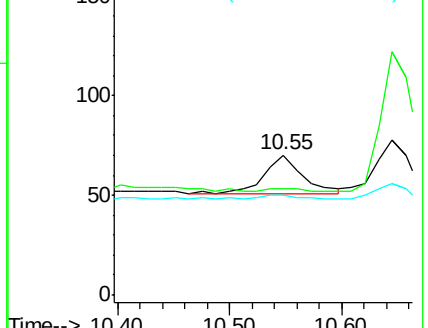
127 71.4 12.8 19.2#



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: 0.00 ng/ul

RT: 12.19 min Scan# 671

Delta R.T. -0.00 min

Lab File: BM007970.D

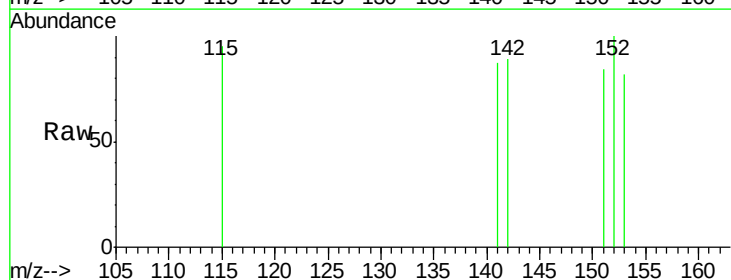
Acq: 21 Nov 2016 22:17

Tgt Ion:142 Resp: 17

Ion Ratio Lower Upper

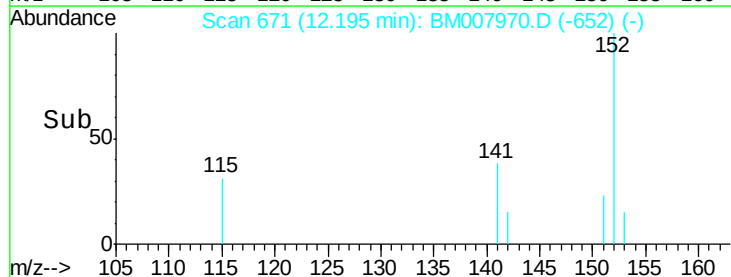
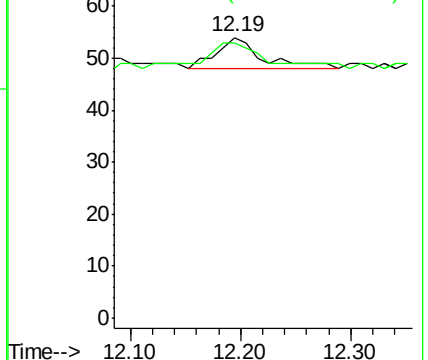
142 100

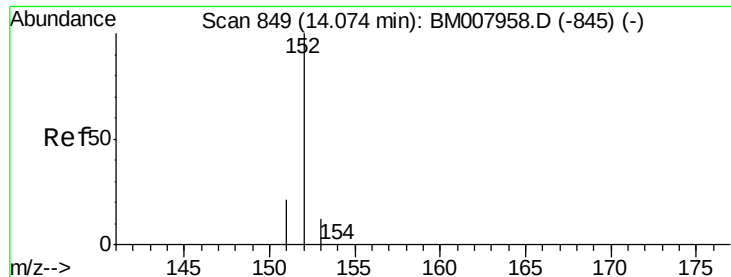
141 100.0 72.6 108.8



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: BM007970.D

Acq: 21 Nov 2016 22:17

Instrument :

BNA_M

ClientSampleId :

JHST5MS

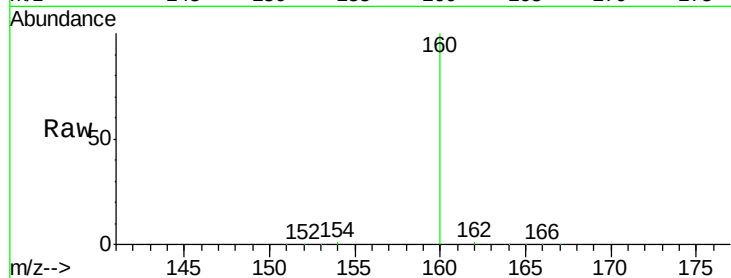
Tgt Ion:152 Resp: 25

Ion Ratio Lower Upper

152 100

151 92.6 17.1 25.7#

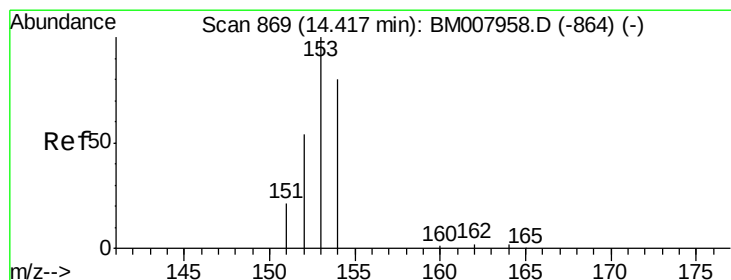
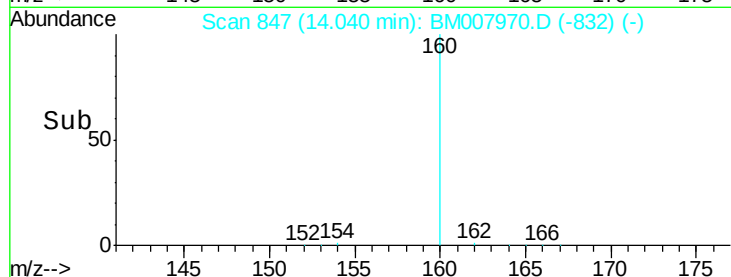
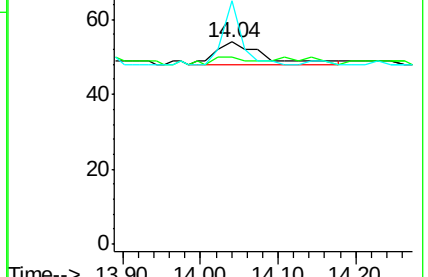
153 120.4 12.8 19.2#



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: 0.19 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM007970.D

Acq: 21 Nov 2016 22:17

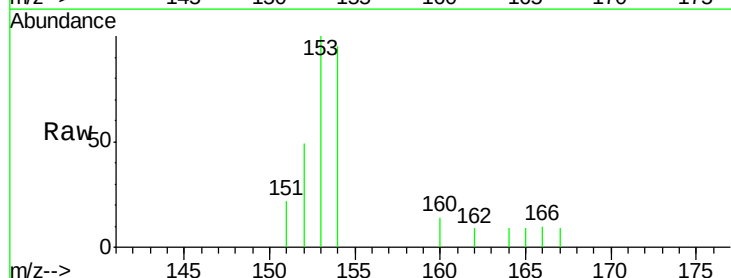
Tgt Ion:153 Resp: 961

Ion Ratio Lower Upper

153 100

152 49.3 40.3 60.5

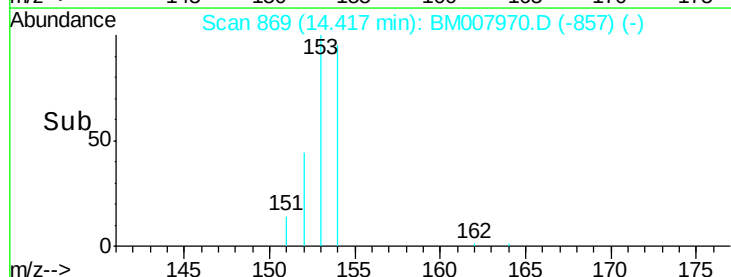
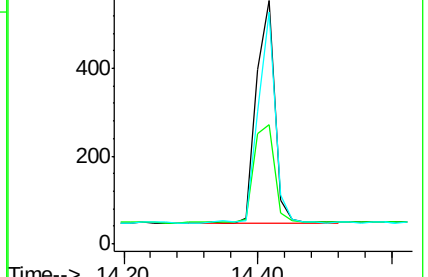
154 95.3 71.4 107.2

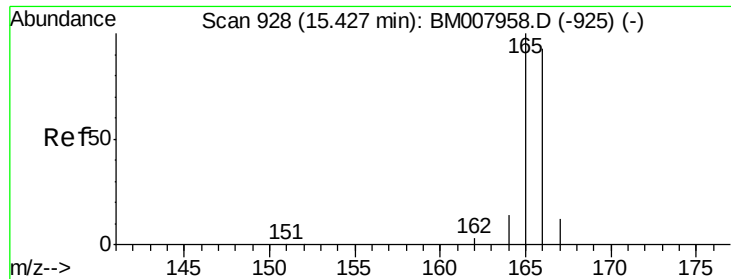


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.05 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.07 min

Lab File: BM007970.D

Acq: 21 Nov 2016 22:17

Instrument :

BNA_M

ClientSampleId :

JHST5MS

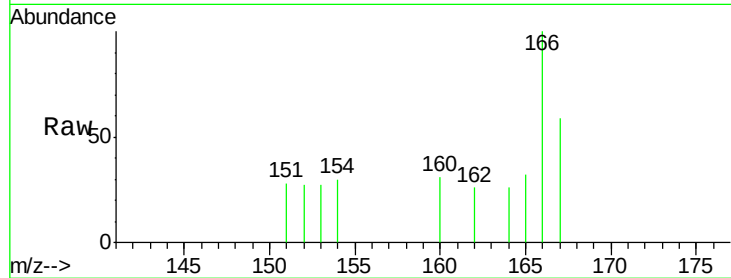
Tgt Ion:166 Resp: 292

Ion Ratio Lower Upper

166 100

165 32.2 73.4 110.2#

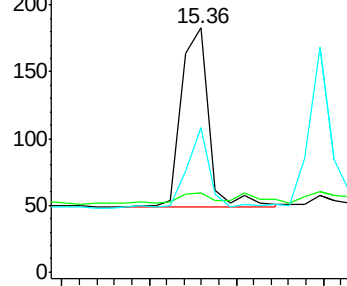
167 59.0 14.6 22.0#



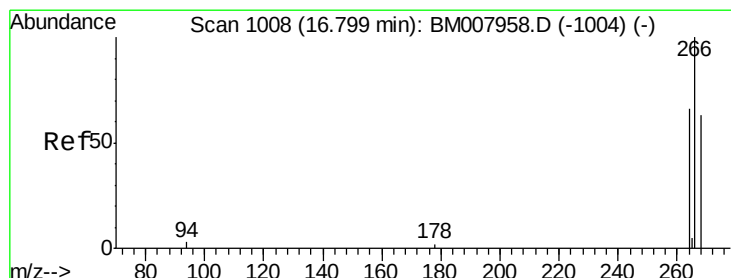
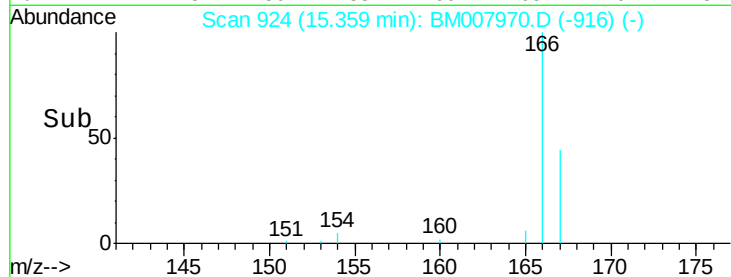
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 15.20 15.30 15.40 15.50



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.80 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BM007970.D

Acq: 21 Nov 2016 22:17

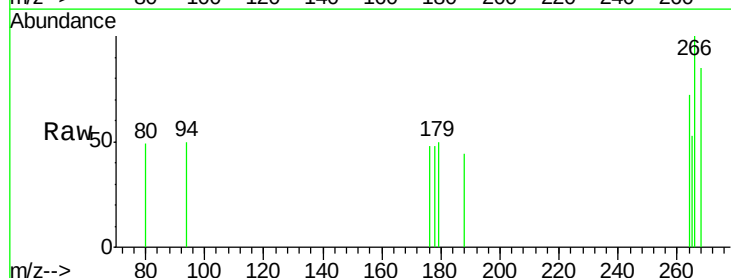
Tgt Ion:266 Resp: 190

Ion Ratio Lower Upper

266 100

264 55.8 47.9 71.9

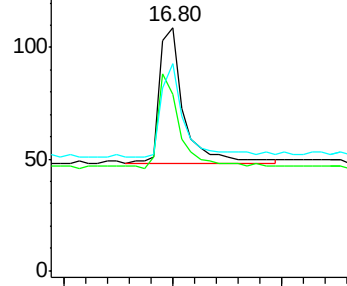
268 62.6 49.8 74.8



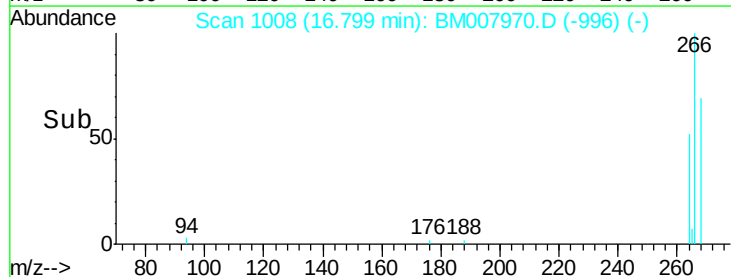
Abundance Ion 266.00 (265.70 to 266.70): E

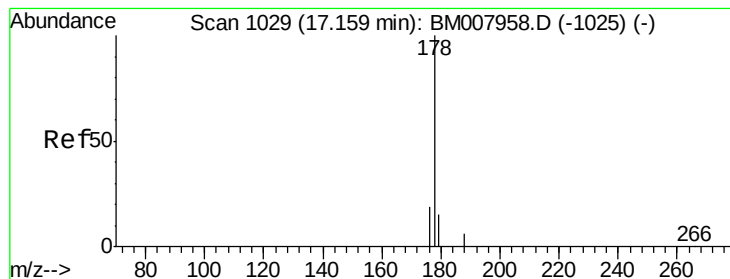
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time--> 16.60 16.80 17.00





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. 0.03 min

Lab File: BM007970.D

Acq: 21 Nov 2016 22:17

Instrument :

BNA_M

ClientSampleId :

JHST5MS

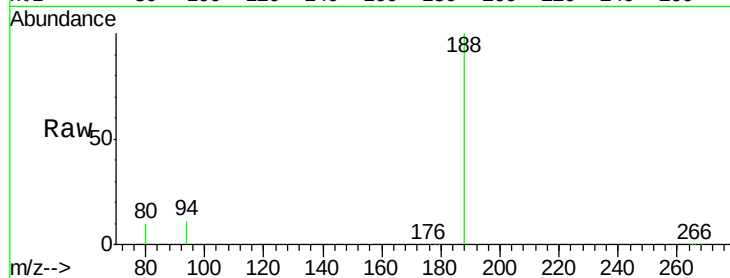
Tgt Ion:178 Resp: 94

Ion Ratio Lower Upper

178 100

176 54.6 18.4 27.6#

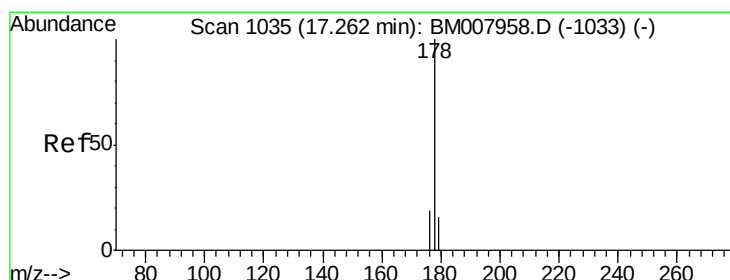
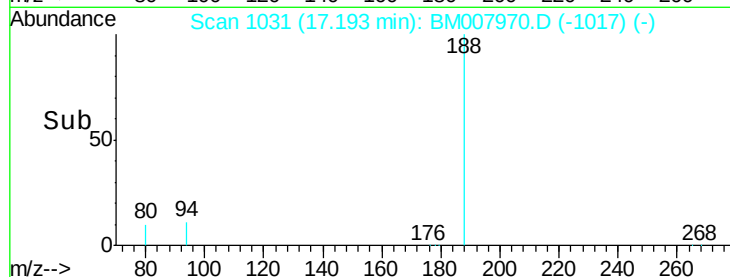
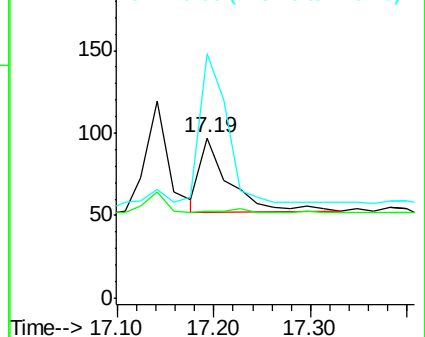
179 152.6 13.6 20.4#



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: 17.38 min Scan# 1042

Delta R.T. 0.12 min

Lab File: BM007970.D

Acq: 21 Nov 2016 22:17

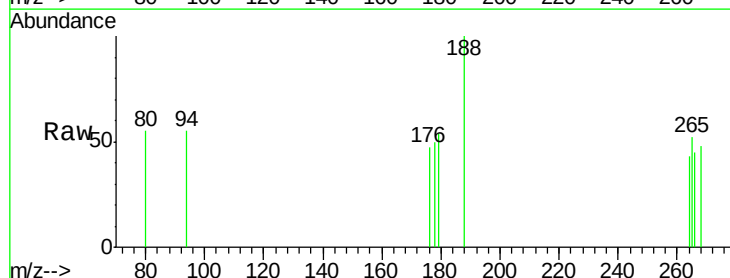
Tgt Ion:178 Resp: 4

Ion Ratio Lower Upper

178 100

176 94.5 18.1 27.1#

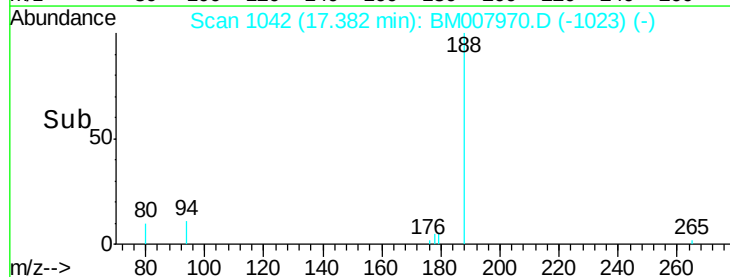
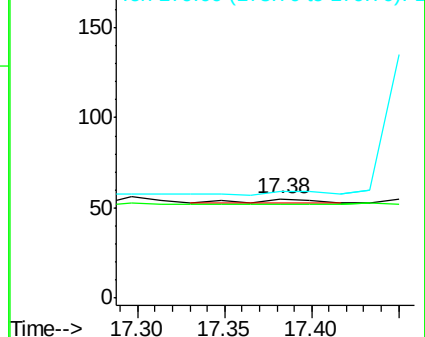
179 107.3 14.7 22.1#

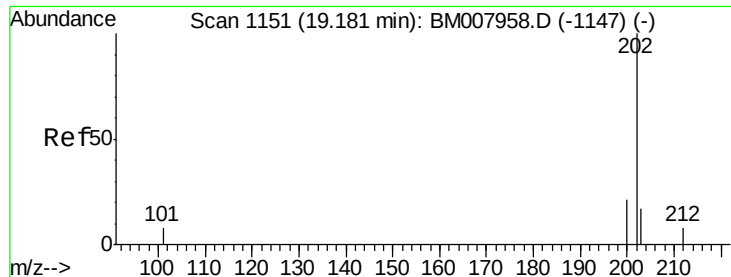


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

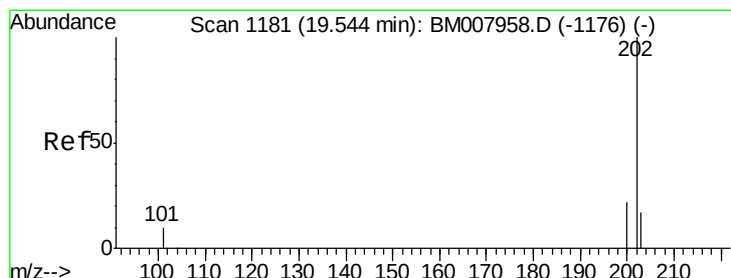
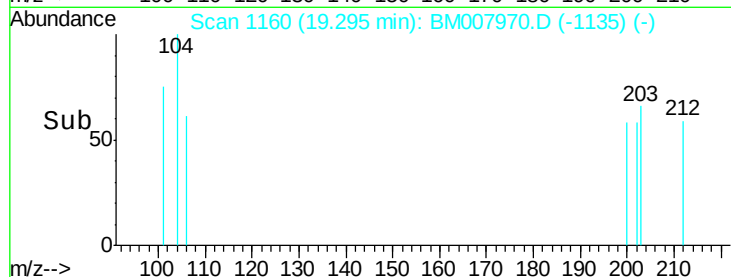
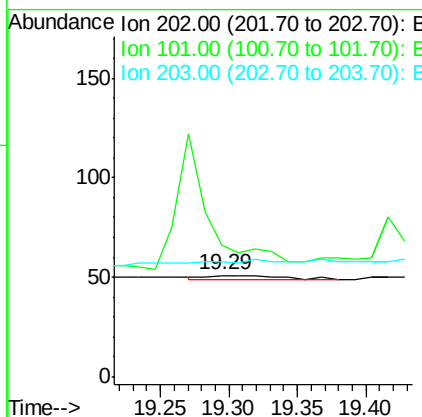
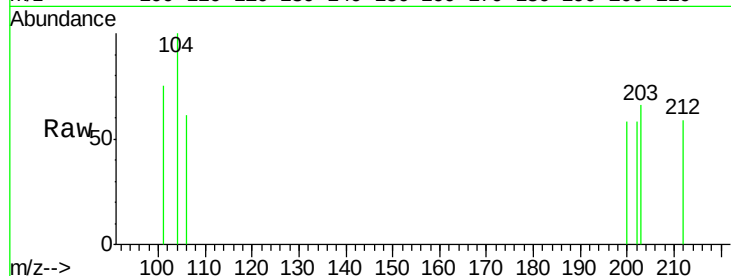




#15
Fluoranthene
Concen: 0.00 ng/ul
RT: 19.29 min Scan# 1160
Delta R.T. 0.11 min
Lab File: BM007970.D
Acq: 21 Nov 2016 22:17

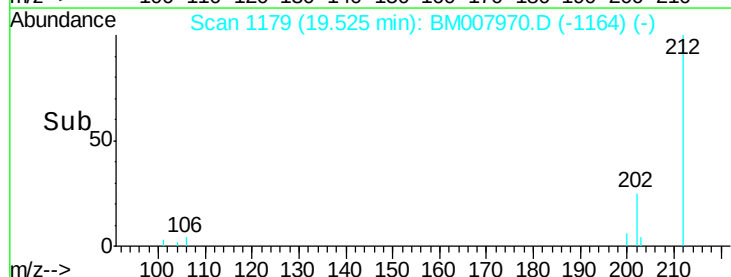
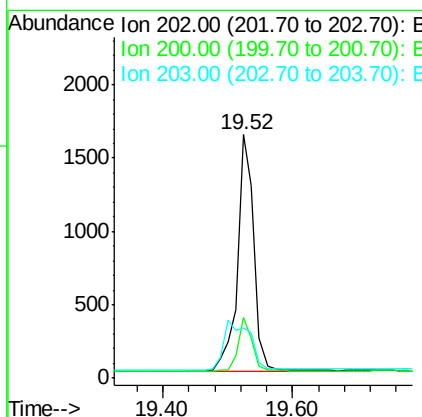
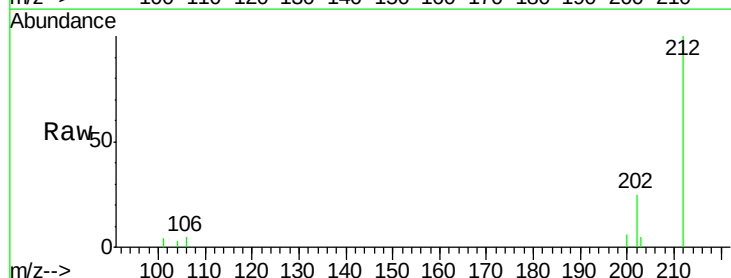
Instrument :
BNA_M
ClientSampleId :
JHST5MS

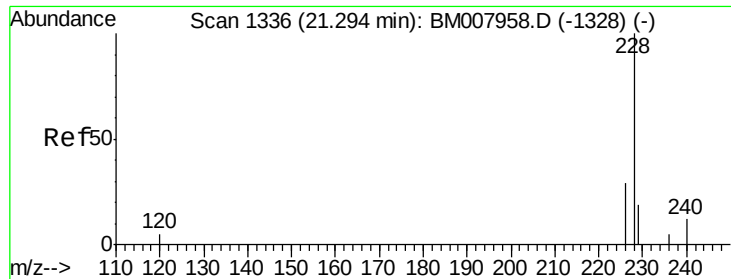
Tgt Ion:202 Resp: 7
Ion Ratio Lower Upper
202 100
101 129.4 0.0 30.3#
203 113.7 0.0 39.5#



#17
Pyrene
Concen: 0.27 ng/ul
RT: 19.52 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BM007970.D
Acq: 21 Nov 2016 22:17

Tgt Ion:202 Resp: 2820
Ion Ratio Lower Upper
202 100
200 25.1 18.2 27.4
203 20.9 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: BM007970.D

Acq: 21 Nov 2016 22:17

Instrument :

BNA_M

ClientSampleId :

JHST5MS

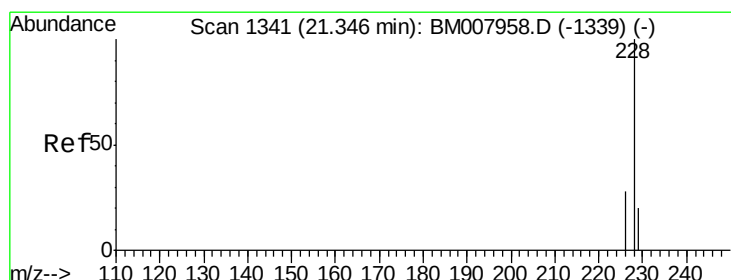
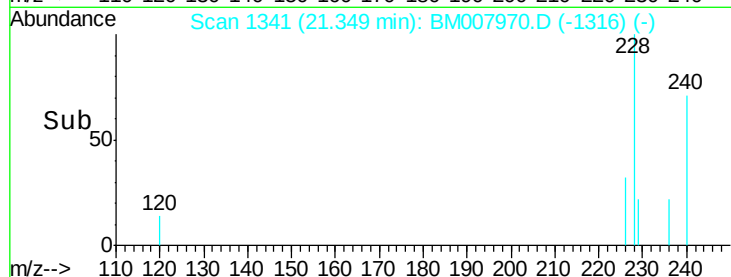
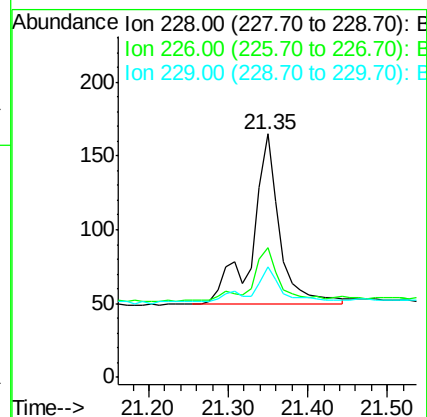
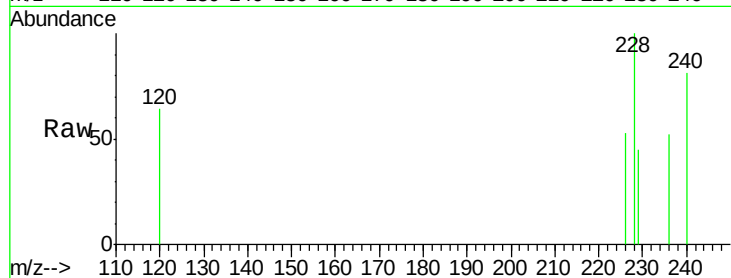
Tgt Ion:228 Resp: 273

Ion Ratio Lower Upper

228 100

226 53.3 22.8 34.2#

229 45.5 17.0 25.6#



#19

Chrysene

Concen: 0.02 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BM007970.D

Acq: 21 Nov 2016 22:17

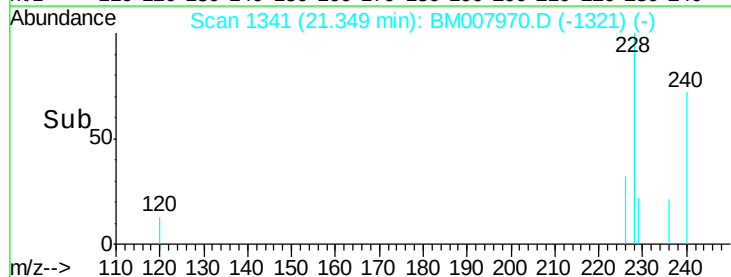
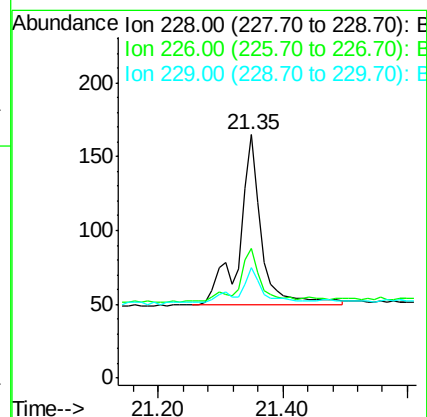
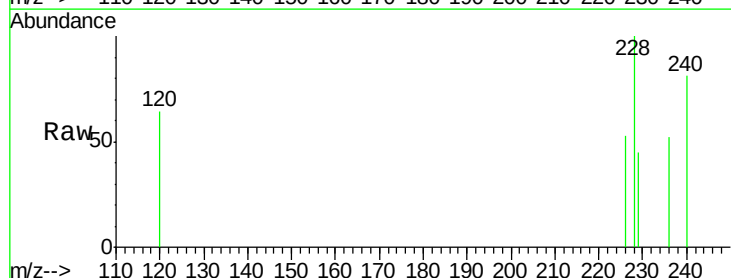
Tgt Ion:228 Resp: 282

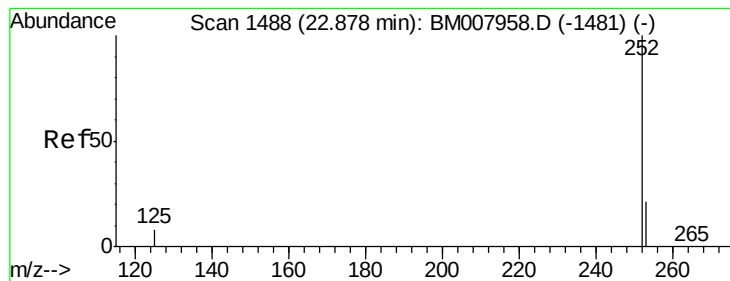
Ion Ratio Lower Upper

228 100

226 53.3 23.4 35.0#

229 45.5 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.71 min Scan# 1472

Delta R.T. -0.16 min

Lab File: BM007970.D

Acq: 21 Nov 2016 22:17

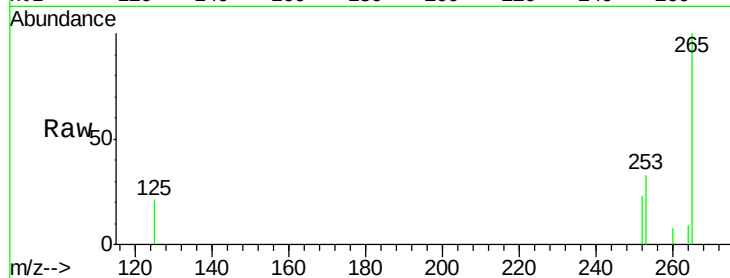
Instrument :

BNA_M

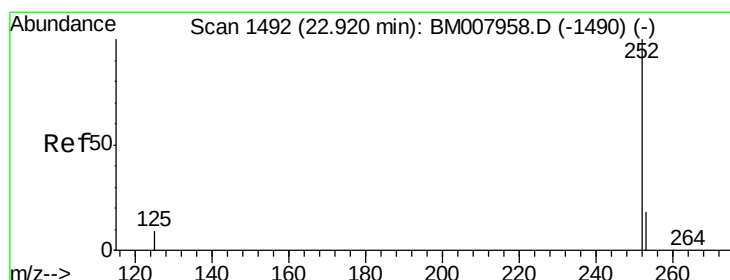
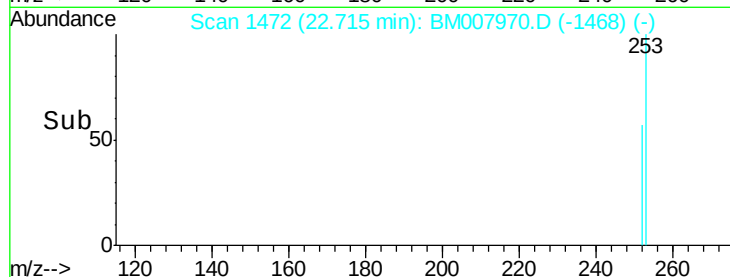
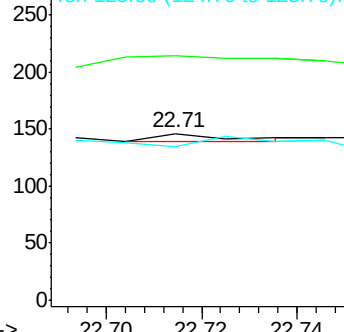
ClientSampleId :

JHST5MS

Tgt Ion:	252	Resp:	8
Ion	Ratio	Lower	Upper
252	100		
253	146.6	0.0	64.2#
125	92.5	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/ul

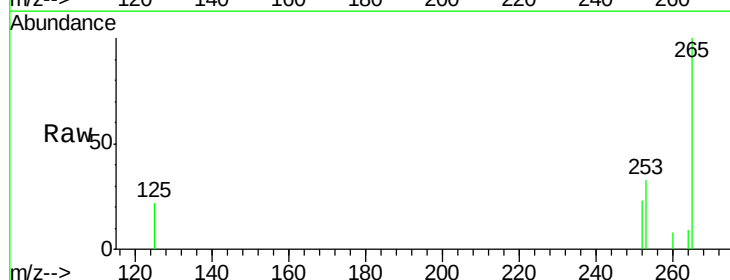
RT: 22.78 min Scan# 1478

Delta R.T. -0.14 min

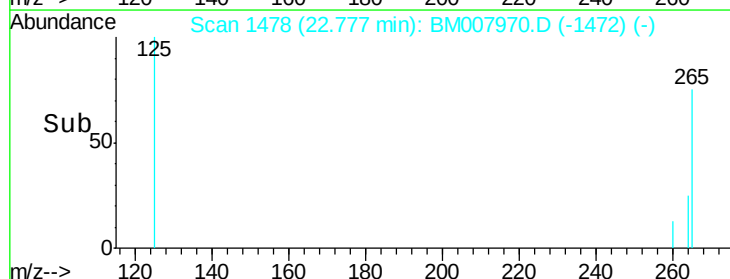
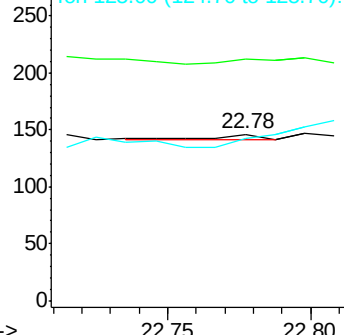
Lab File: BM007970.D

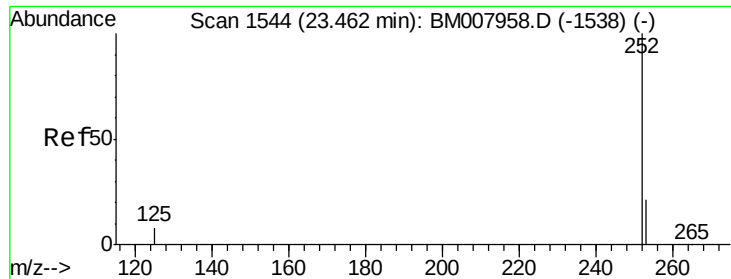
Acq: 21 Nov 2016 22:17

Tgt Ion:	252	Resp:	6
Ion	Ratio	Lower	Upper
252	100		
253	145.2	24.5	36.7#
125	97.9	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/ul

RT: 23.39 min Scan# 1537

Delta R.T. -0.07 min

Lab File: BM007970.D

Acq: 21 Nov 2016 22:17

Instrument :

BNA_M

ClientSampleId :

JHST5MS

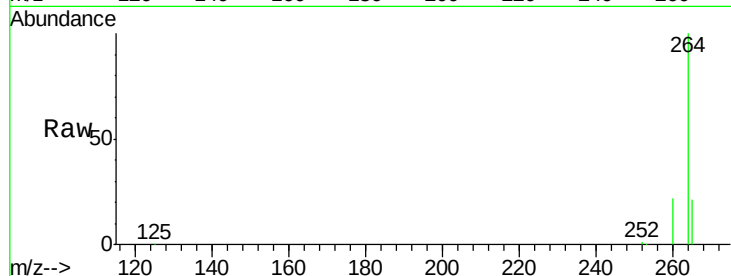
Tgt Ion:252 Resp: 655

Ion Ratio Lower Upper

252 100

253 69.4 28.5 42.7#

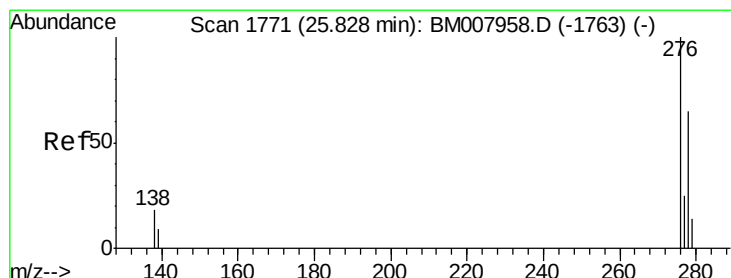
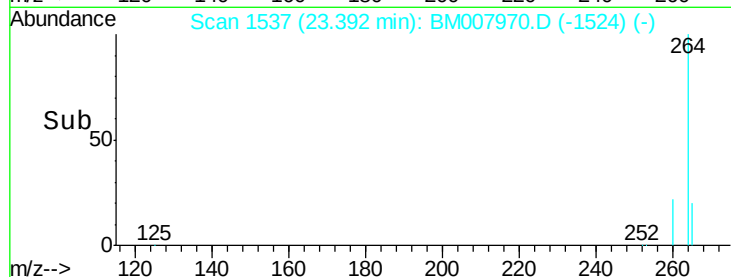
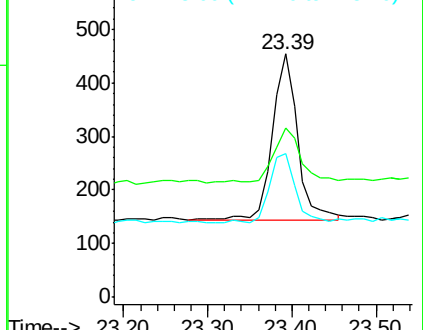
125 59.0 18.1 27.1#



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: 0.00 ng/ul

RT: 25.61 min Scan# 1750

Delta R.T. -0.22 min

Lab File: BM007970.D

Acq: 21 Nov 2016 22:17

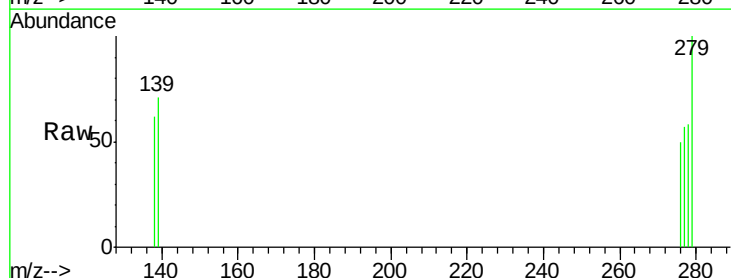
Tgt Ion:276 Resp: 906

Ion Ratio Lower Upper

276 100

138 0.0 19.1 28.7#

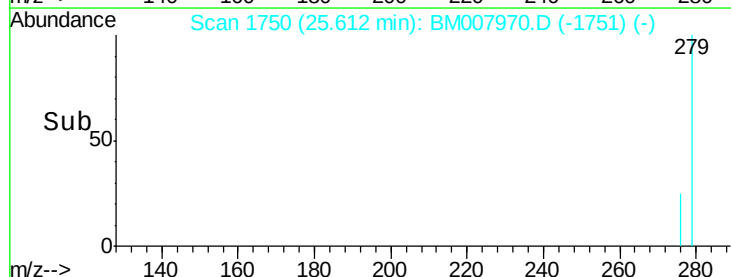
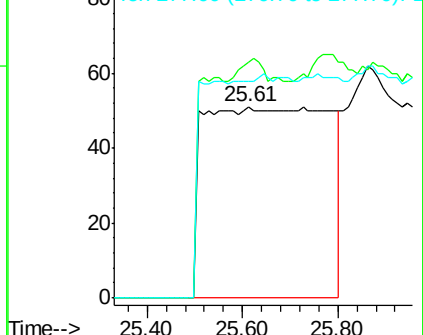
277 0.0 19.6 29.4#

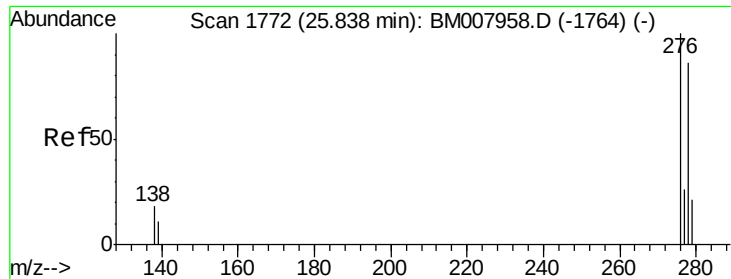


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.61 min Scan# 1750

Delta R.T. -0.23 min

Lab File: BM007970.D

Acq: 21 Nov 2016 22:17

Instrument :

BNA_M

ClientSampleId :

JHST5MS

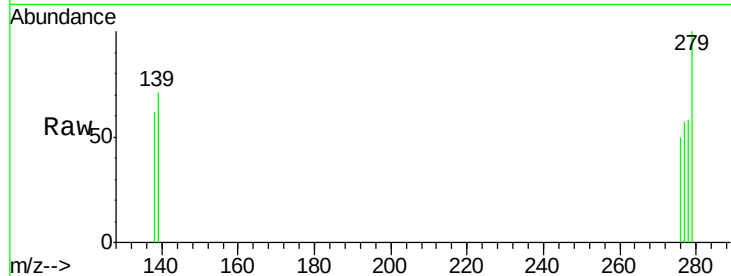
Tgt Ion:278 Resp: 1096

Ion Ratio Lower Upper

278 100

139 122.0 17.4 26.0#

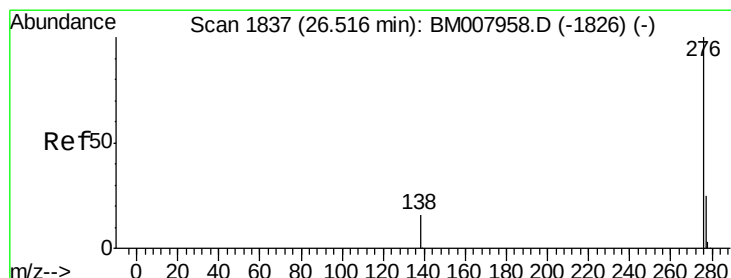
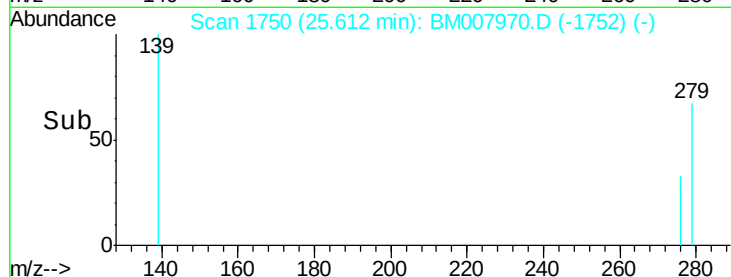
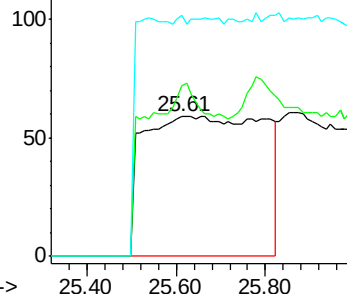
279 172.9 25.9 38.9#



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: 0.00 ng/ul

RT: 26.39 min Scan# 1825

Delta R.T. -0.12 min

Lab File: BM007970.D

Acq: 21 Nov 2016 22:17

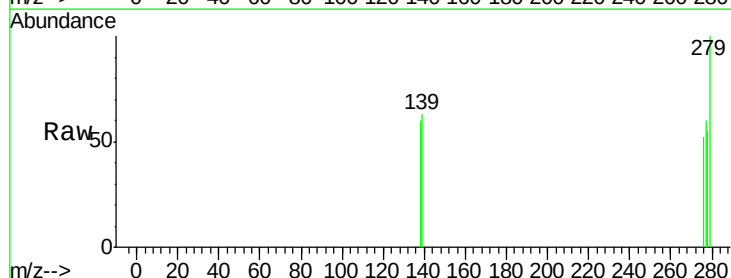
Tgt Ion:276 Resp: 3

Ion Ratio Lower Upper

276 100

277 116.0 21.8 32.8#

138 116.0 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

