

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112116\
 Data File : BM007967.D
 Acq On : 21 Nov 2016 20:30
 Operator : UM/SJ
 Sample : H5695-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST1

Quant Time: Nov 22 05:00:31 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	559	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.50	136	1809	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1112	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.19	188	90202	0.40	ng/ul	0.07
16) Chrysene-d12	21.30	240	2379	0.40	ng/ul	-0.01
20) Perylene-d12	23.40	264	93620	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	433	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.14	212	1150	0.00	ng/ul	-0.01

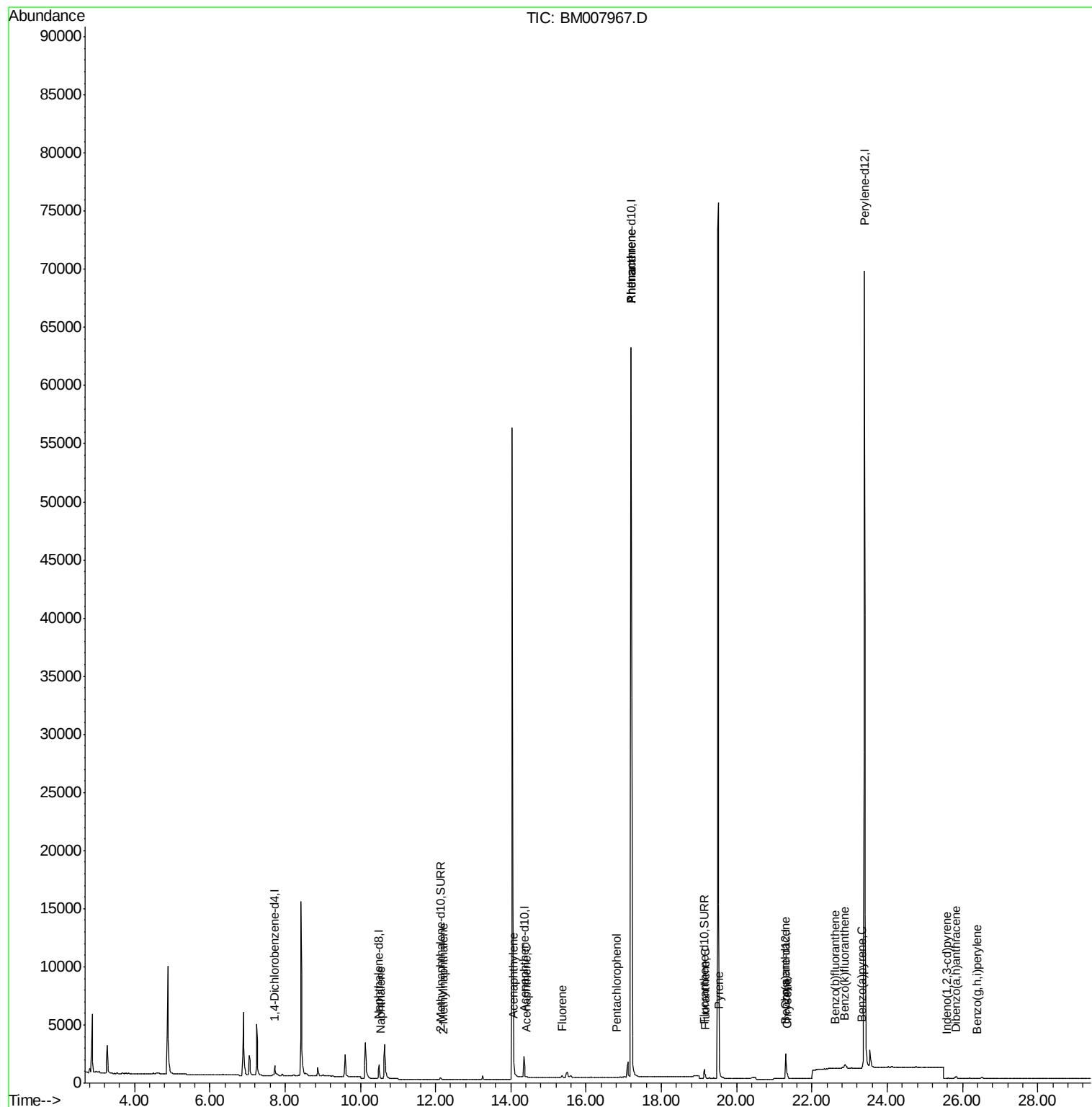
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	78	0.02	ng/ul#	1
5) 2-Methylnaphthalene	12.19	142	43	0.01	ng/ul	90
7) Acenaphthylene	14.07	152	53	0.01	ng/ul#	1
8) Acenaphthene	14.42	153	13	0.00	ng/ul#	69
9) Fluorene	15.36	166	189	0.04	ng/ul#	38
11) Pentachlorophenol	16.82	266	7	0.00	ng/ul#	36
12) Phenanthrene	17.19	178	89	0.00	ng/ul#	1
13) Anthracene	17.19	178	82	0.00	ng/ul#	1
15) Fluoranthene	19.17	202	330	0.00	ng/ul	60
17) Pyrene	19.53	202	659	0.08	ng/ul#	76
18) Benzo(a)anthracene	21.29	228	249	0.03	ng/ul#	60
19) Chrysene	21.35	228	471	0.05	ng/ul#	73
21) Benzo(b)fluoranthene	22.63	252	22	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.87	252	668	0.00	ng/ul#	18
23) Benzo(a)pyrene	23.34	252	242	0.00	ng/ul#	11
24) Indeno(1,2,3-cd)pyrene	25.58	276	895	0.00	ng/ul#	51
25) Dibenzo(a,h)anthracene	25.82	278	1259	0.00	ng/ul#	1
26) Benzo(g,h,i)perylene	26.38	276	3	0.00	ng/ul#	1

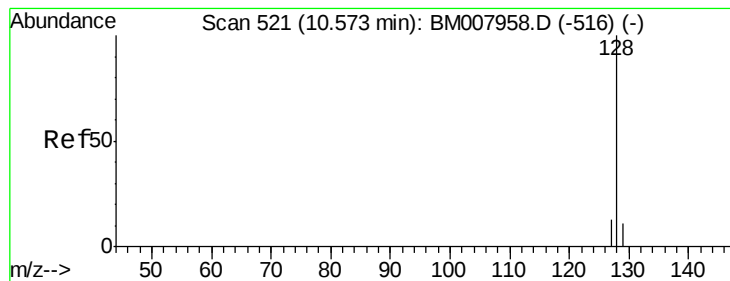
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.02 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.02 min

Lab File: BM007967.D

Acq: 21 Nov 2016 20:30

Instrument :

BNA_M

ClientSampleId :

JHST1

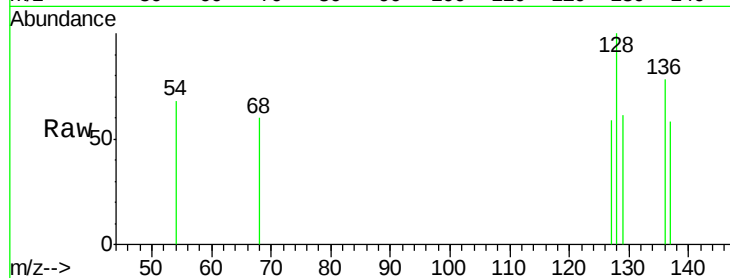
Tgt Ion:128 Resp: 78

Ion Ratio Lower Upper

128 100

129 61.1 11.3 16.9#

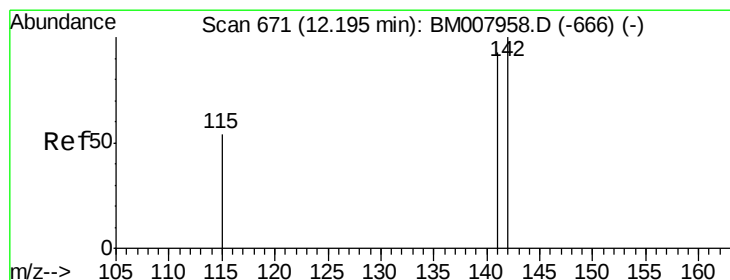
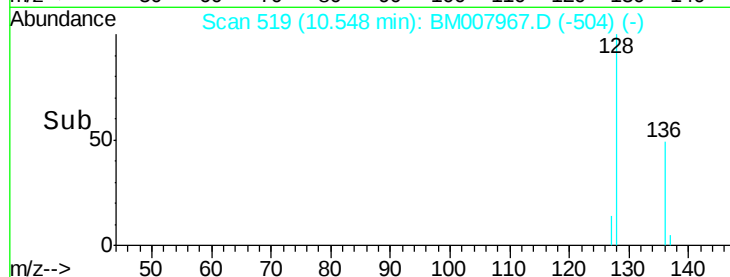
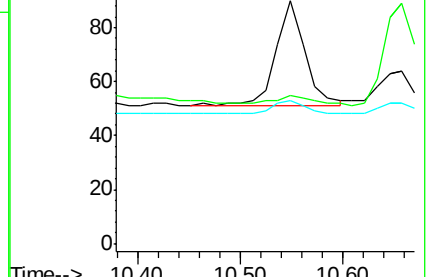
127 58.9 12.8 19.2#



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: 12.19 min Scan# 671

Delta R.T. 0.00 min

Lab File: BM007967.D

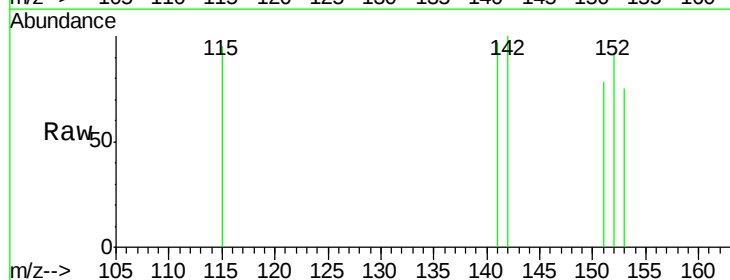
Acq: 21 Nov 2016 20:30

Tgt Ion:142 Resp: 43

Ion Ratio Lower Upper

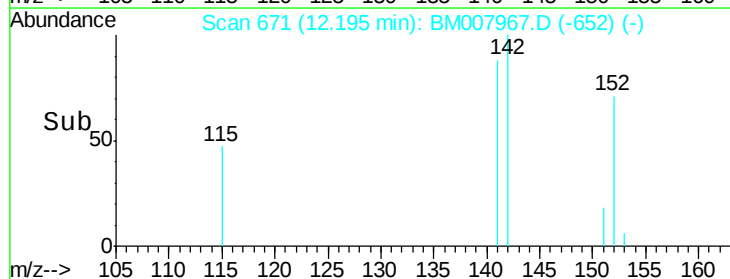
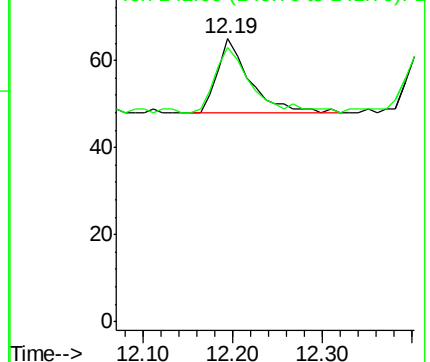
142 100

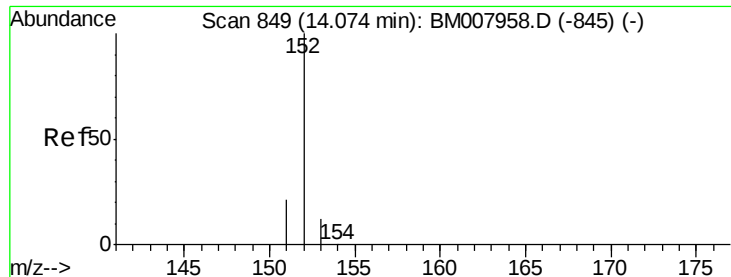
141 100.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM007967.D

Acq: 21 Nov 2016 20:30

Instrument :

BNA_M

ClientSampleId :

JHST1

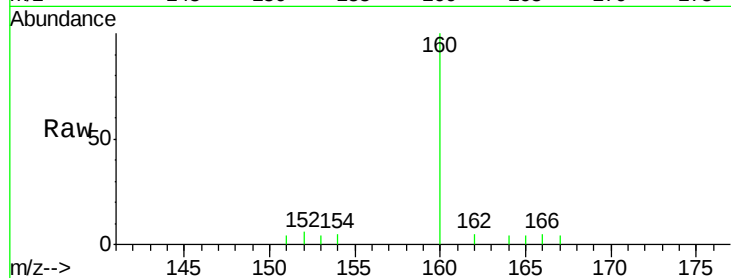
Tgt Ion:152 Resp: 53

Ion Ratio Lower Upper

152 100

151 75.7 17.1 25.7#

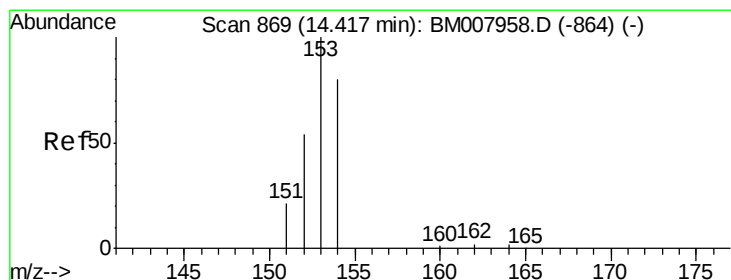
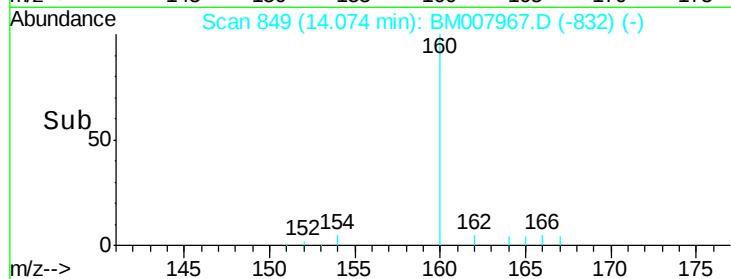
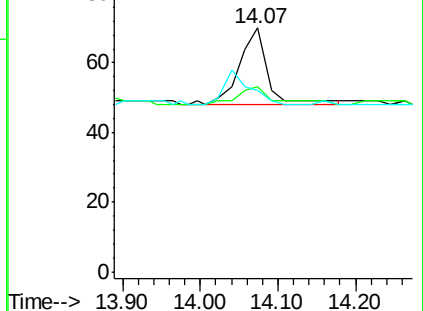
153 74.3 12.8 19.2#



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: 0.00 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM007967.D

Acq: 21 Nov 2016 20:30

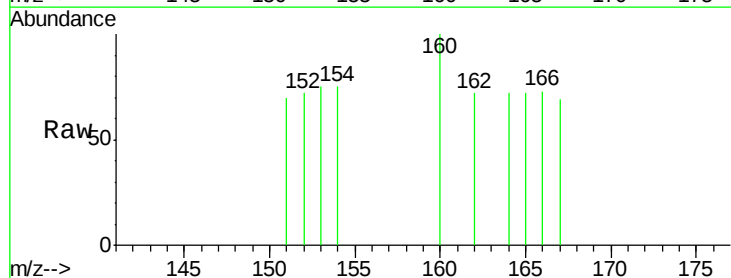
Tgt Ion:153 Resp: 13

Ion Ratio Lower Upper

153 100

152 96.2 40.3 60.5#

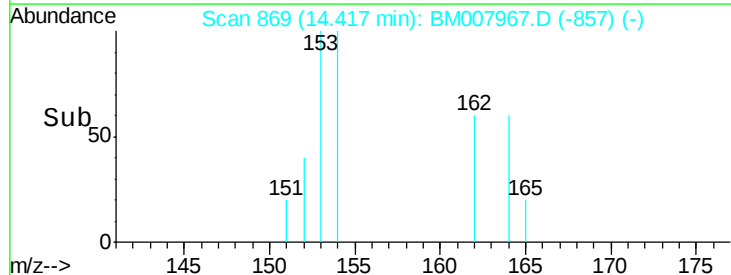
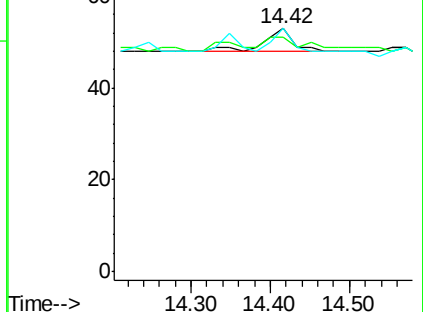
154 100.0 71.4 107.2

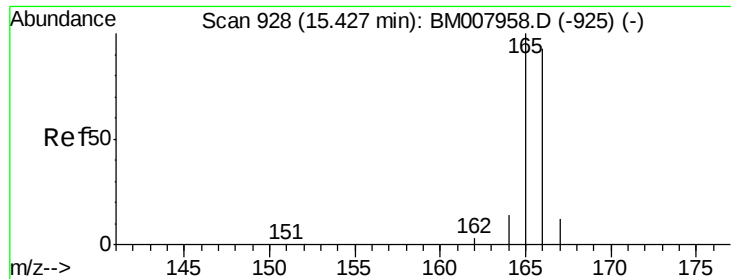


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.04 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.07 min

Lab File: BM007967.D

Acq: 21 Nov 2016 20:30

Instrument :

BNA_M

ClientSampleId :

JHST1

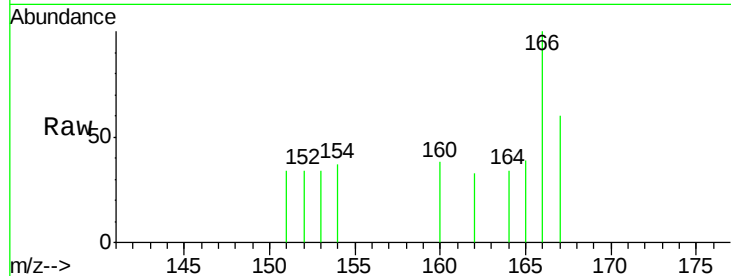
Tgt Ion:166 Resp: 189

Ion Ratio Lower Upper

166 100

165 39.0 73.4 110.2#

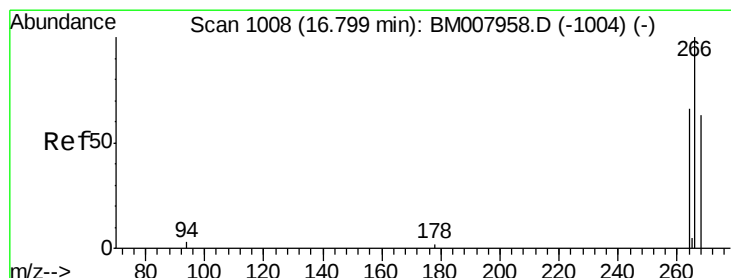
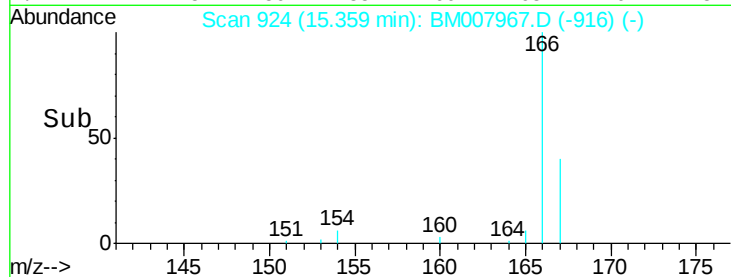
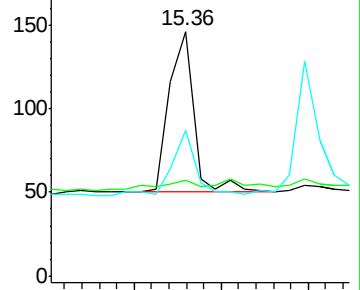
167 59.6 14.6 22.0#



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: 0.00 ng/ul

RT: 16.82 min Scan# 1009

Delta R.T. 0.02 min

Lab File: BM007967.D

Acq: 21 Nov 2016 20:30

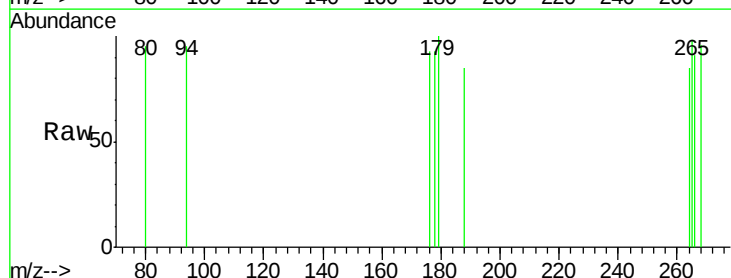
Tgt Ion:266 Resp: 7

Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

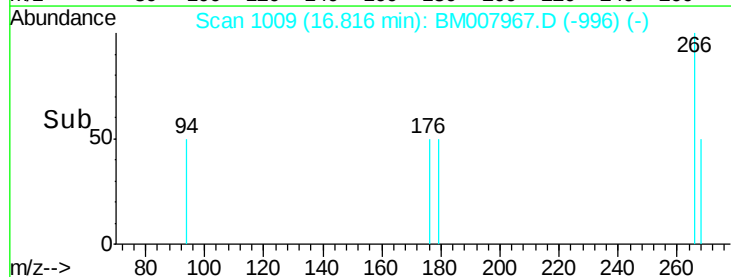
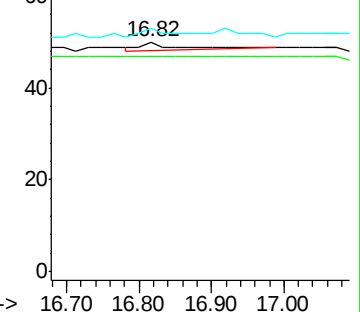
268 100.0 49.8 74.8#

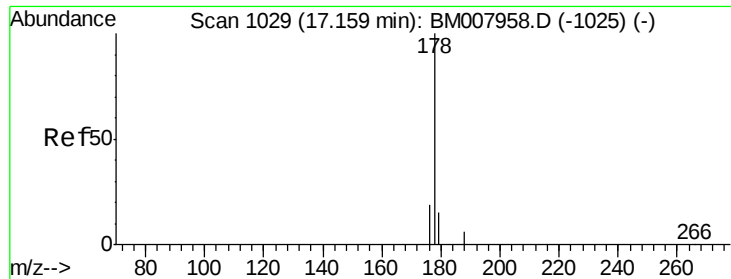


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. 0.03 min

Lab File: BM007967.D

Acq: 21 Nov 2016 20:30

Instrument :

BNA_M

ClientSampleId :

JHST1

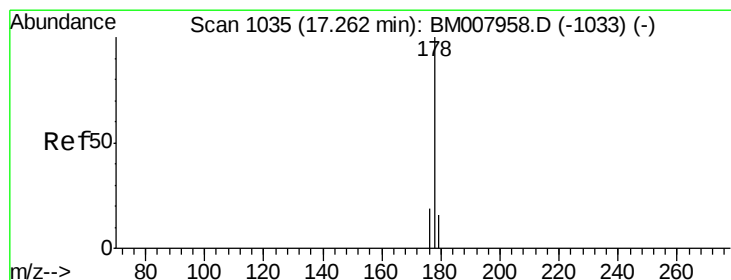
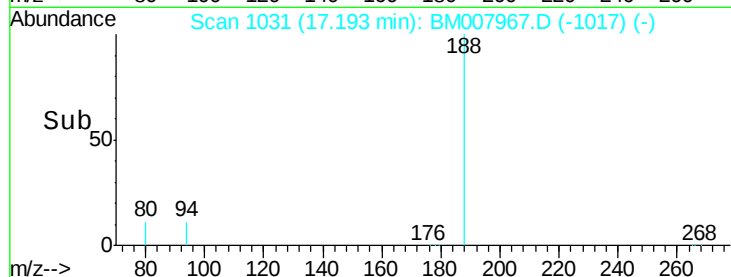
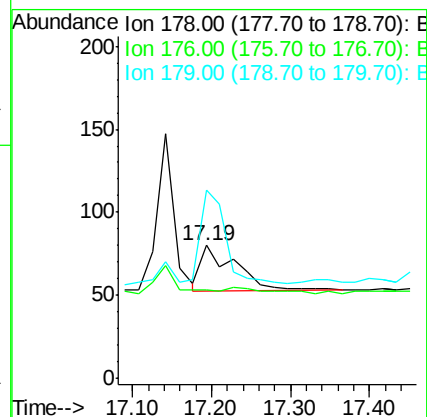
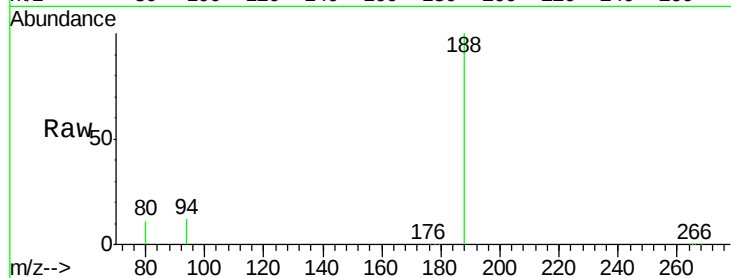
Tgt Ion:178 Resp: 89

Ion Ratio Lower Upper

178 100

176 66.3 18.4 27.6#

179 141.3 13.6 20.4#



#13

Anthracene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. -0.07 min

Lab File: BM007967.D

Acq: 21 Nov 2016 20:30

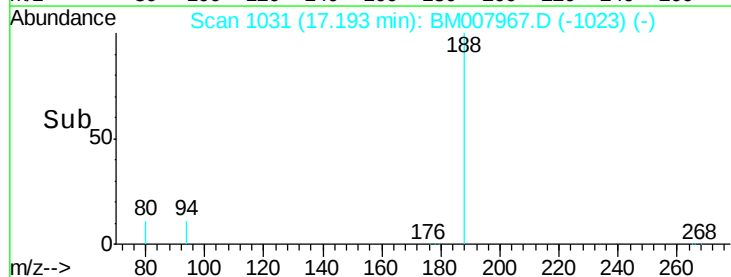
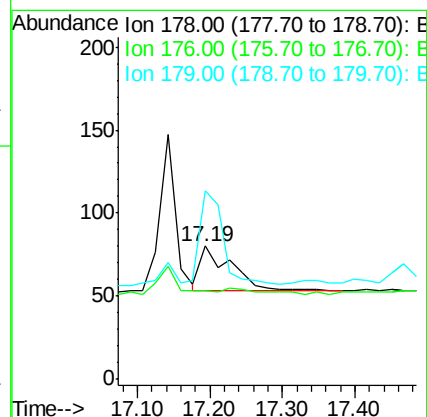
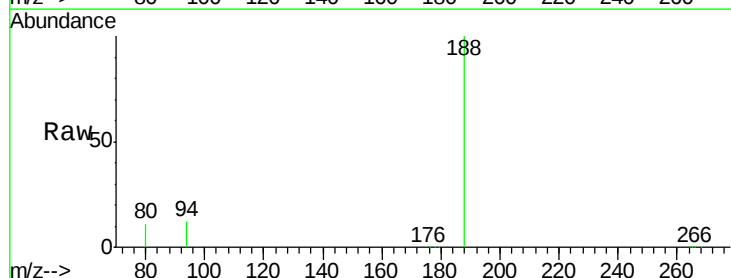
Tgt Ion:178 Resp: 82

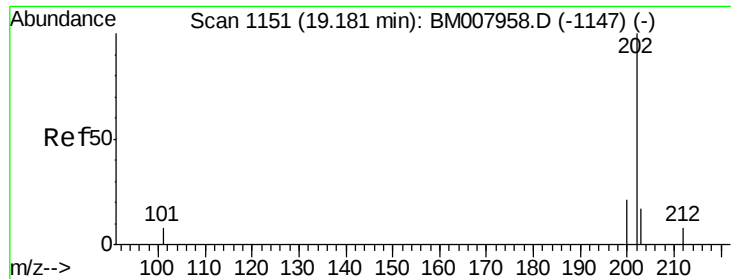
Ion Ratio Lower Upper

178 100

176 66.3 18.1 27.1#

179 141.3 14.7 22.1#





#15

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BM007967.D

Acq: 21 Nov 2016 20:30

Instrument :

BNA_M

ClientSampleId :

JHST1

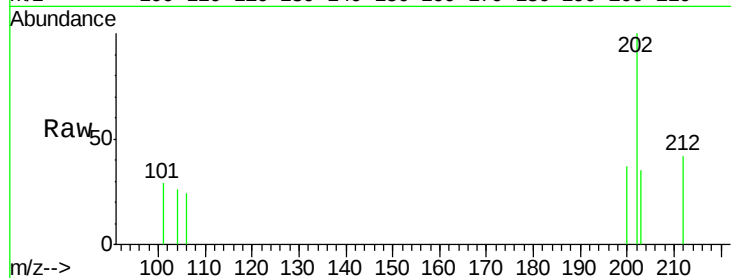
Tgt Ion:202 Resp: 330

Ion Ratio Lower Upper

202 100

101 28.7 0.0 30.3

203 35.5 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

19.17

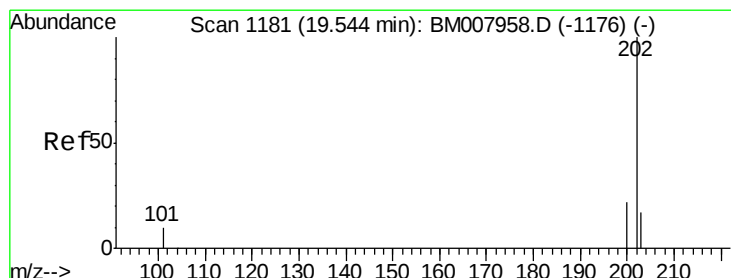
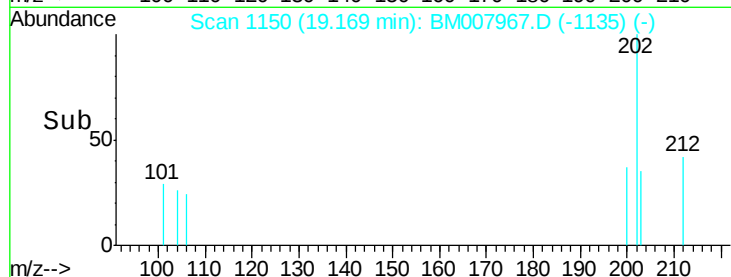
200

100

0

19.00 19.10 19.20 19.30

Time-->



#17

Pyrene

Concen: 0.08 ng/ul

RT: 19.53 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BM007967.D

Acq: 21 Nov 2016 20:30

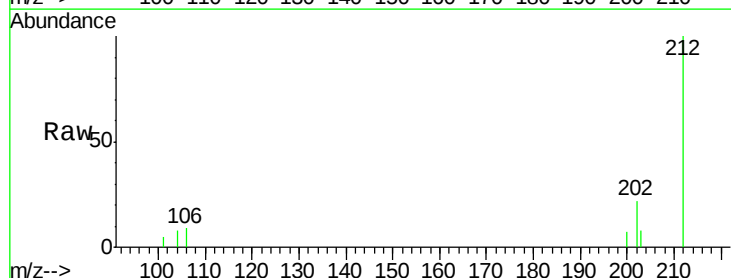
Tgt Ion:202 Resp: 659

Ion Ratio Lower Upper

202 100

200 30.3 18.2 27.4#

203 35.0 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

19.53

400

300

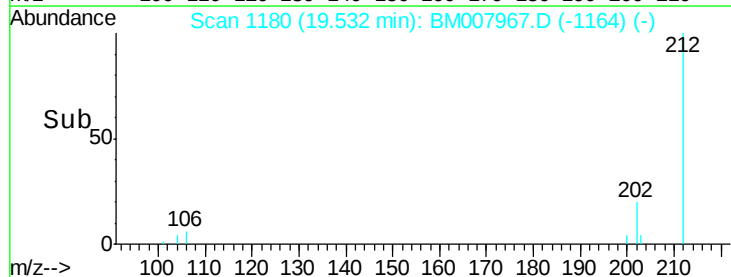
200

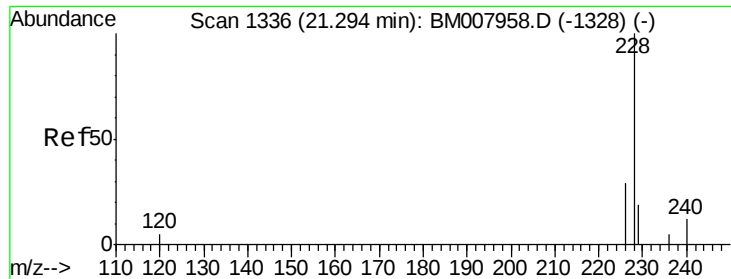
100

0

19.40 19.50 19.60

Time-->





#18

Benzo(a)anthracene

Concen: 0.03 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BM007967.D

Acq: 21 Nov 2016 20:30

Instrument :

BNA_M

ClientSampleId :

JHST1

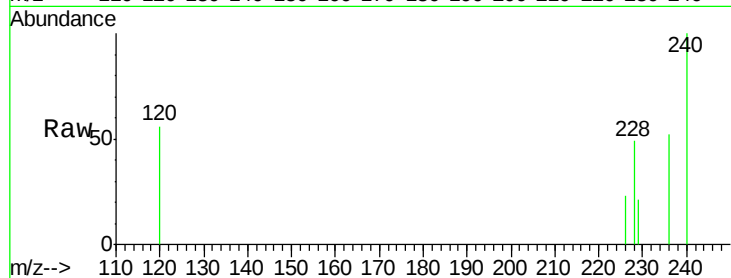
Tgt Ion:228 Resp: 249

Ion Ratio Lower Upper

228 100

226 47.8 22.8 34.2#

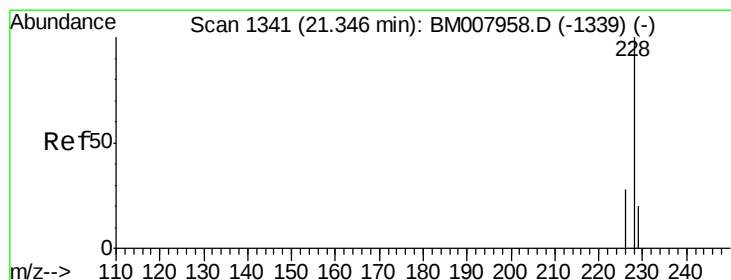
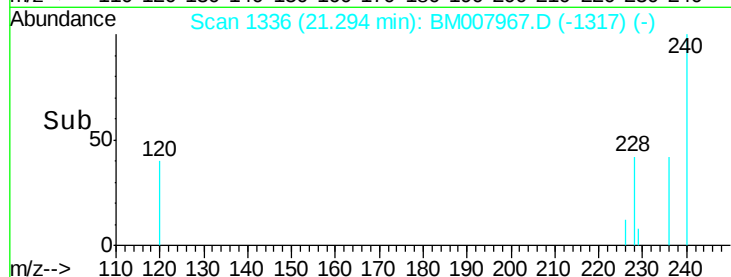
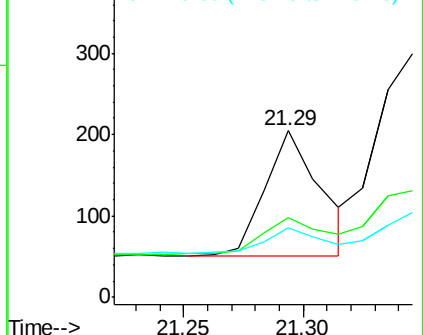
229 42.0 17.0 25.6#



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: 0.05 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BM007967.D

Acq: 21 Nov 2016 20:30

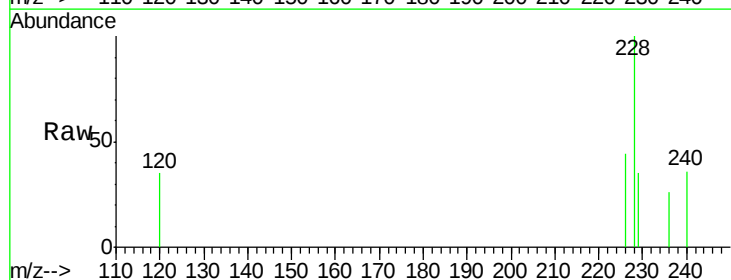
Tgt Ion:228 Resp: 471

Ion Ratio Lower Upper

228 100

226 43.8 23.4 35.0#

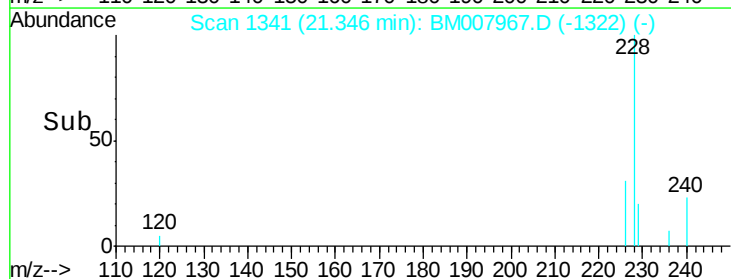
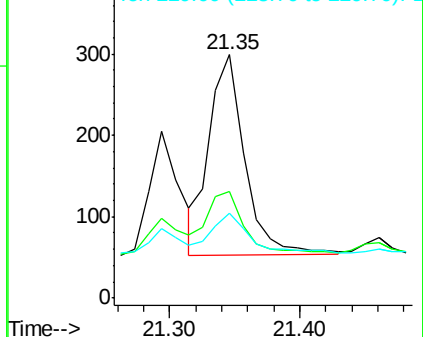
229 34.8 17.7 26.5#

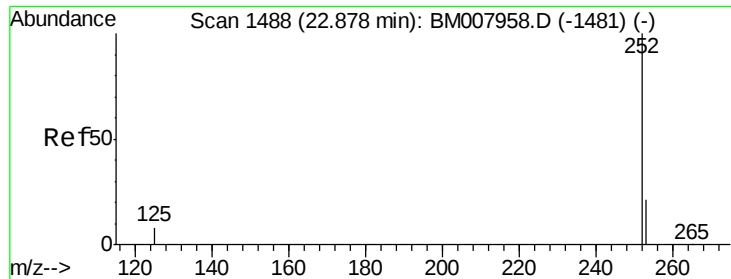


Abundance Ion 228.00 (227.70 to 228.70): E

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: 22.63 min Scan# 1464

Delta R.T. -0.25 min

Lab File: BM007967.D

Acq: 21 Nov 2016 20:30

Instrument :

BNA_M

ClientSampleId :

JHST1

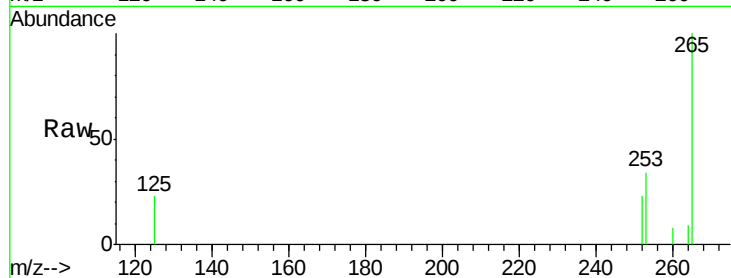
Tgt Ion:252 Resp: 22

Ion Ratio Lower Upper

252 100

253 144.6 0.0 64.2#

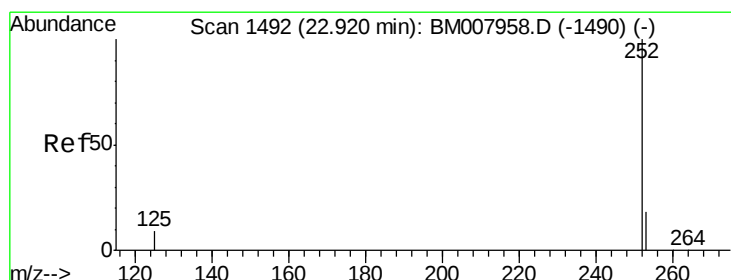
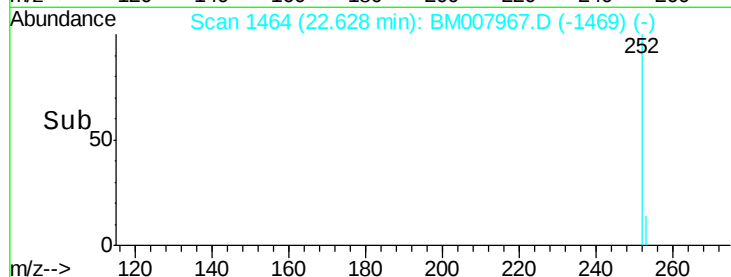
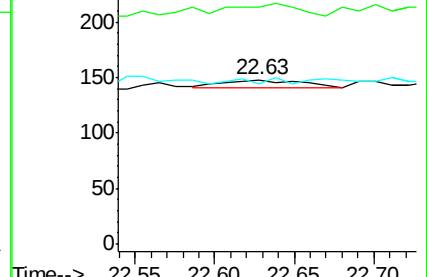
125 97.3 0.0 35.0#



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: 22.87 min Scan# 1487

Delta R.T. -0.05 min

Lab File: BM007967.D

Acq: 21 Nov 2016 20:30

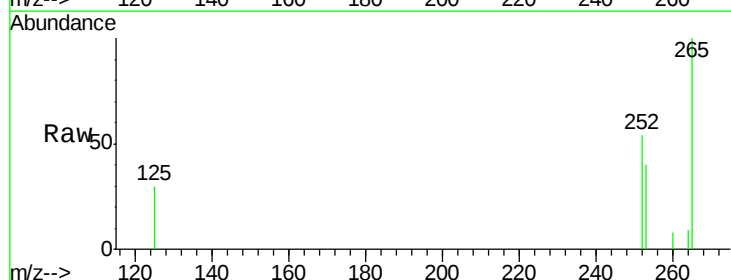
Tgt Ion:252 Resp: 668

Ion Ratio Lower Upper

252 100

253 73.1 24.5 36.7#

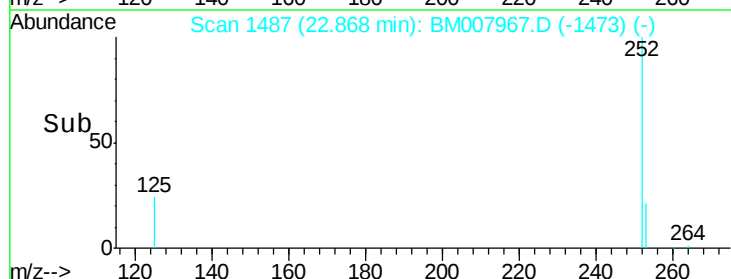
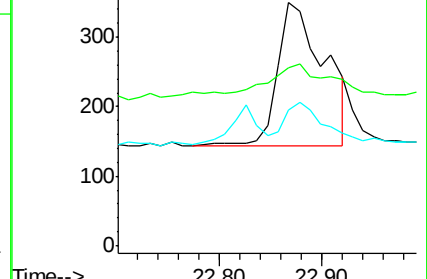
125 56.0 13.7 20.5#

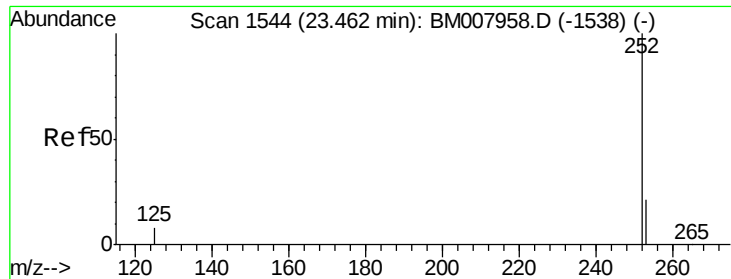


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.34 min Scan# 1532

Delta R.T. -0.12 min

Lab File: BM007967.D

Acq: 21 Nov 2016 20:30

Instrument :

BNA_M

ClientSampleId :

JHST1

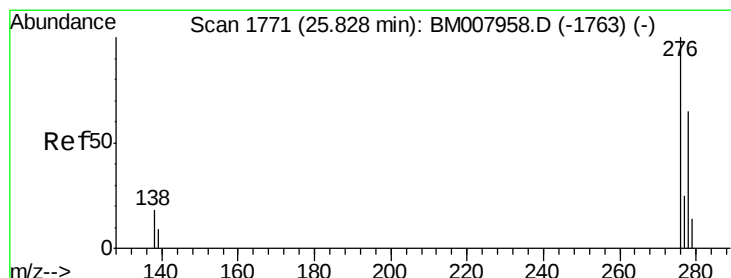
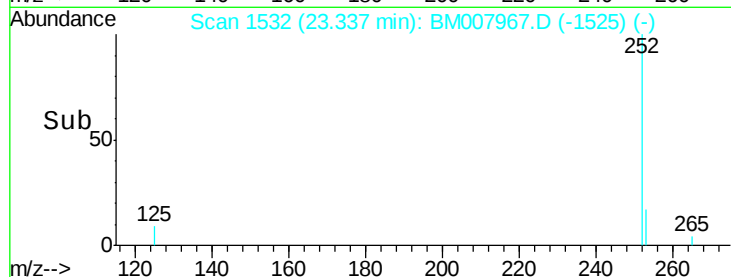
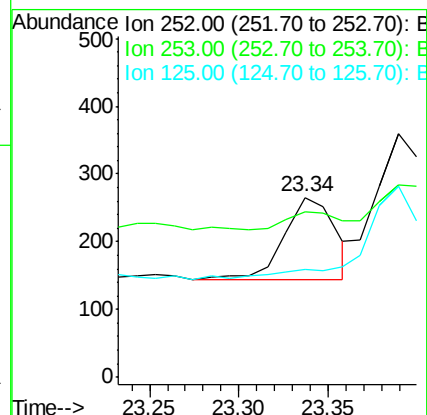
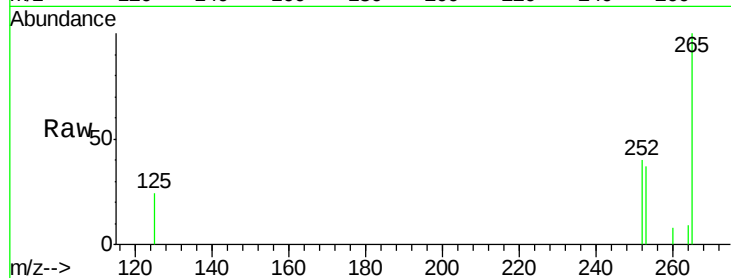
Tgt Ion:252 Resp: 242

Ion Ratio Lower Upper

252 100

253 92.1 28.5 42.7#

125 60.4 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/u1

RT: 25.58 min Scan# 1747

Delta R.T. -0.25 min

Lab File: BM007967.D

Acq: 21 Nov 2016 20:30

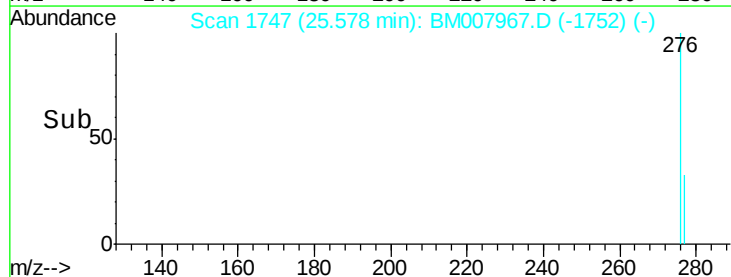
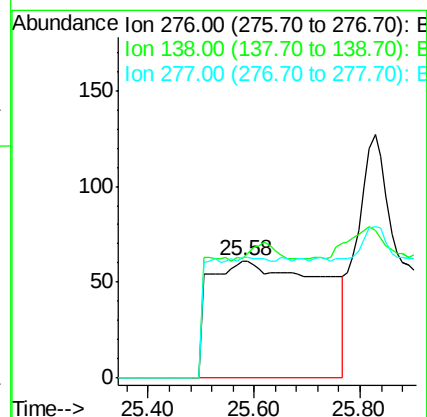
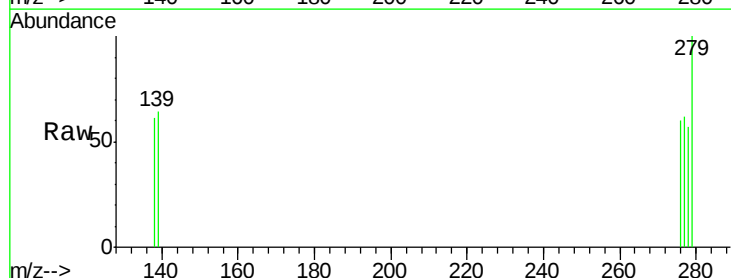
Tgt Ion:276 Resp: 895

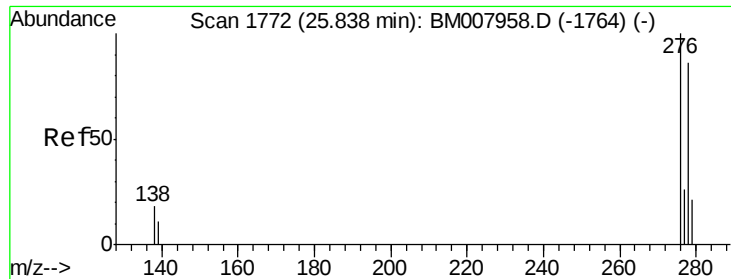
Ion Ratio Lower Upper

276 100

138 0.0 19.1 28.7#

277 0.0 19.6 29.4#

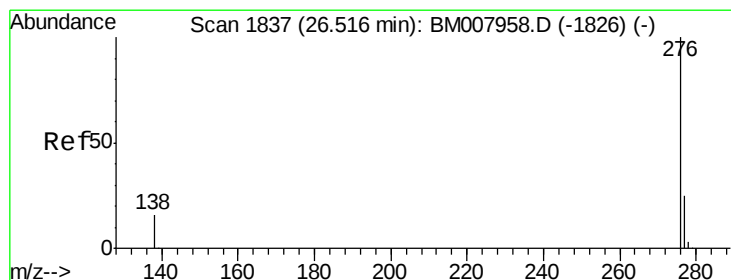
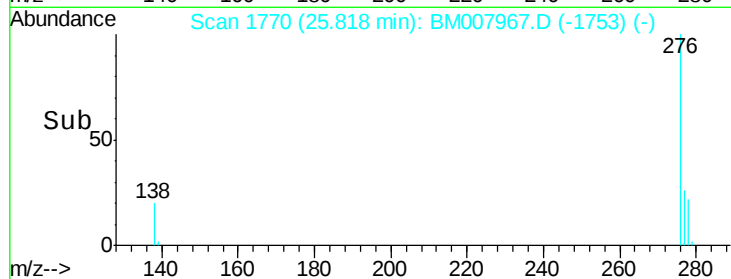
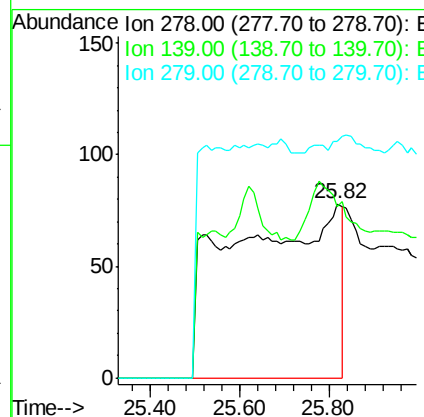
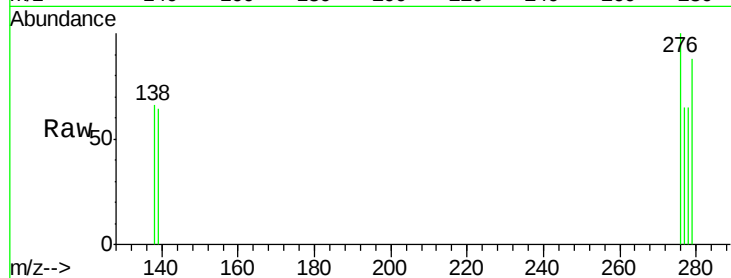




#25
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.82 min Scan# 1770
Delta R.T. -0.02 min
Lab File: BM007967.D
Acq: 21 Nov 2016 20:30

Instrument :
BNA_M
ClientSampleId :
JHST1

Tgt Ion: 278 Resp: 1259
Ion Ratio Lower Upper
278 100
139 98.7 17.4 26.0#
279 135.9 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.38 min Scan# 1824
Delta R.T. -0.14 min
Lab File: BM007967.D
Acq: 21 Nov 2016 20:30

Tgt Ion: 276 Resp: 3
Ion Ratio Lower Upper
276 100
277 113.2 21.8 32.8#
138 115.1 20.5 30.7#

