

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112116\
 Data File : BM007974.D
 Acq On : 22 Nov 2016 00:39
 Operator : UM/SJ
 Sample : H5695-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST4

Quant Time: Nov 22 05:51:14 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	580	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.50	136	1934	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1184	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.19	188	118413	0.40	ng/ul	0.07
16) Chrysene-d12	21.30	240	2662	0.40	ng/ul	-0.01
20) Perylene-d12	23.39	264	113469	0.40	ng/ul	-0.17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	581	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.14	212	1504	0.00	ng/ul	-0.01

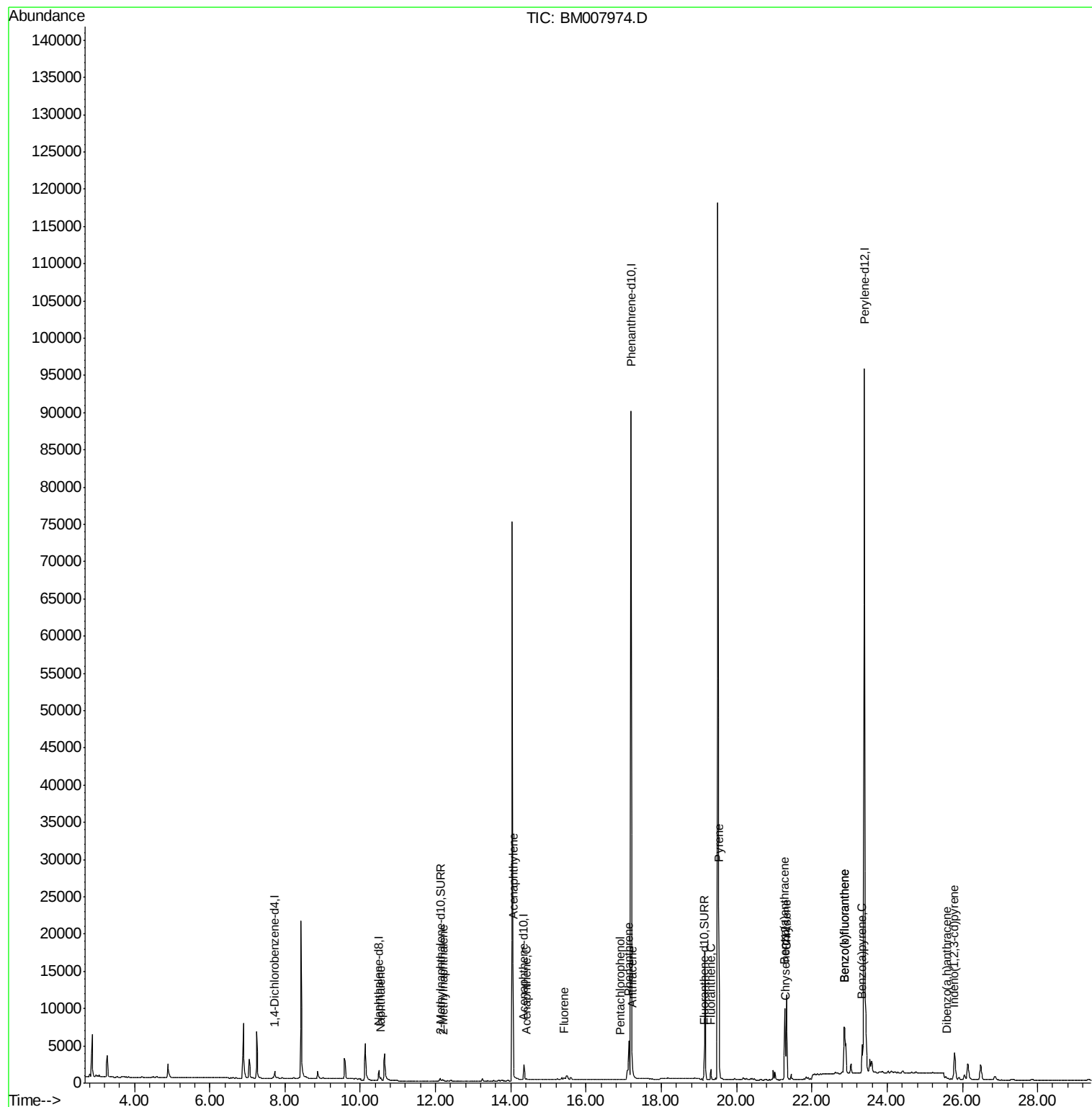
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	599	0.11	ng/ul#	80
5) 2-Methylnaphthalene	12.19	142	139	0.04	ng/ul	99
7) Acenaphthylene	14.06	152	761	0.14	ng/ul#	80
8) Acenaphthene	14.42	153	32	0.01	ng/ul#	75
9) Fluorene	15.41	166	153	0.03	ng/ul#	85
11) Pentachlorophenol	16.90	266	3	0.00	ng/ul#	20
12) Phenanthrene	17.14	178	6002	0.02	ng/ul	94
13) Anthracene	17.23	178	1365	0.00	ng/ul#	92
15) Fluoranthene	19.32	202	1441	0.00	ng/ul	93
17) Pyrene	19.52	202	19747	2.14	ng/ul	97
18) Benzo(a)anthracene	21.28	228	8476	1.04	ng/ul	97
19) Chrysene	21.33	228	10712	1.05	ng/ul	95
21) Benzo(b)fluoranthene	22.86	252	10345	0.02	ng/ul	87
22) Benzo(k)fluoranthene	22.86	252	15382	0.03	ng/ul#	89
23) Benzo(a)pyrene	23.34	252	5821	0.01	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.79	276	4476	0.01	ng/ul	93
25) Dibenzo(a,h)anthracene	25.59	278	494	0.00	ng/ul#	26

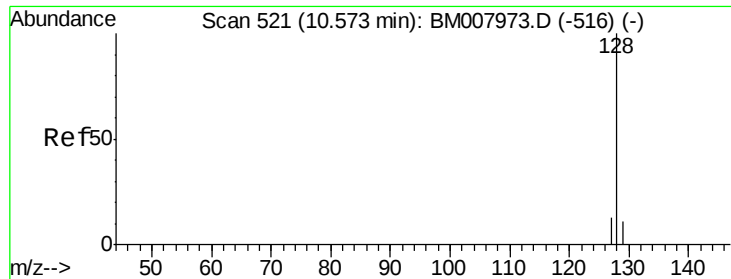
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112116\
Data File : BM007974.D
Acq On : 22 Nov 2016 00:39
Operator : UM/SJ
Sample : H5695-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHST4

Quant Time: Nov 22 05:51:14 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





#3

Naphthalene

Concen: 0.11 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.02 min

Lab File: BM007974.D

Acq: 22 Nov 2016 00:39

Instrument :

BNA_M

ClientSampleId :

JHST4

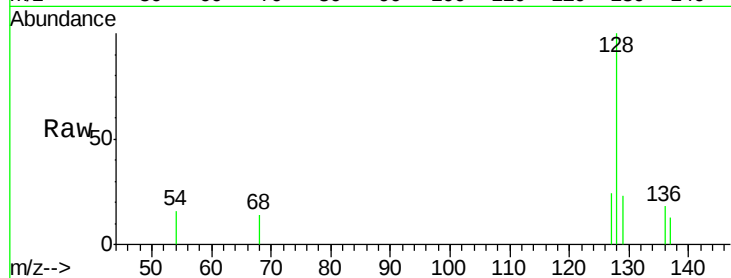
Tgt Ion:128 Resp: 599

Ion Ratio Lower Upper

128 100

129 23.3 11.3 16.9#

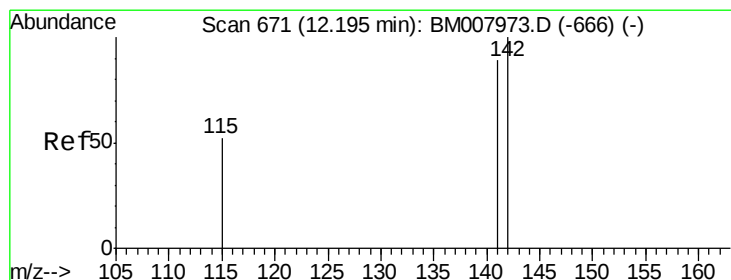
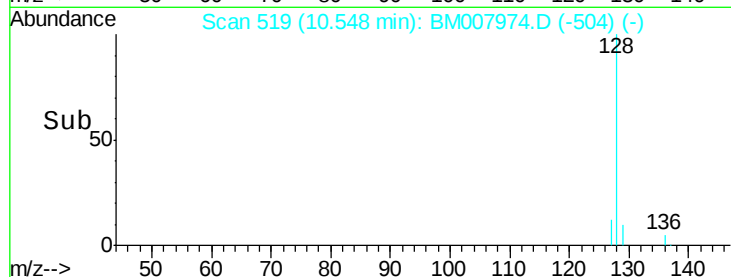
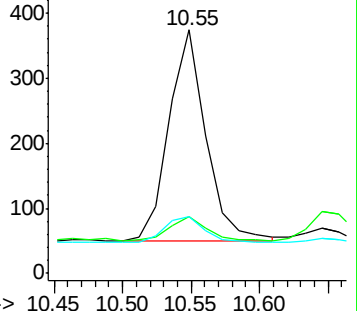
127 23.5 12.8 19.2#



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



#5

2-Methylnaphthalene

Concen: 0.04 ng/ul

RT: 12.19 min Scan# 671

Delta R.T. 0.00 min

Lab File: BM007974.D

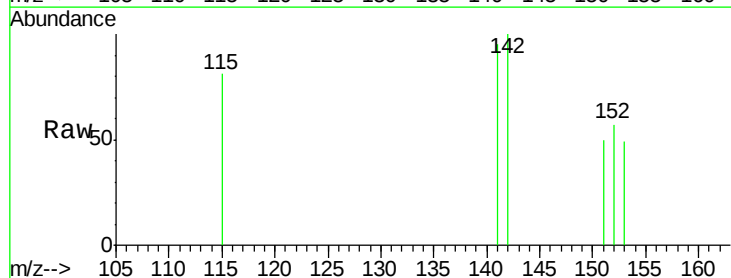
Acq: 22 Nov 2016 00:39

Tgt Ion:142 Resp: 139

Ion Ratio Lower Upper

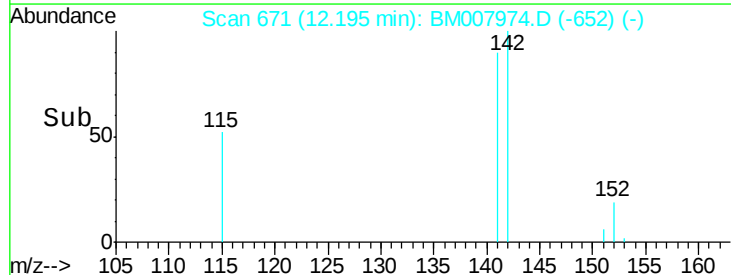
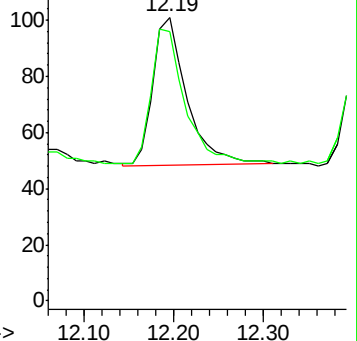
142 100

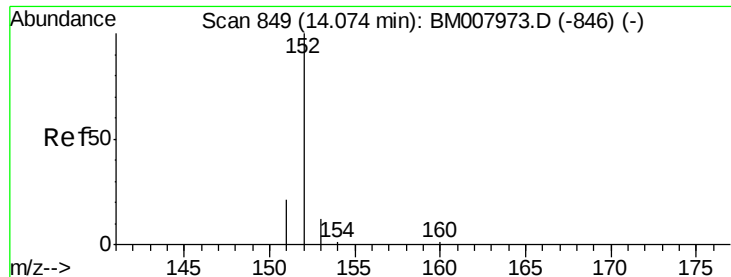
141 89.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.14 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.02 min

Lab File: BM007974.D

Acq: 22 Nov 2016 00:39

Instrument :

BNA_M

ClientSampleId :

JHST4

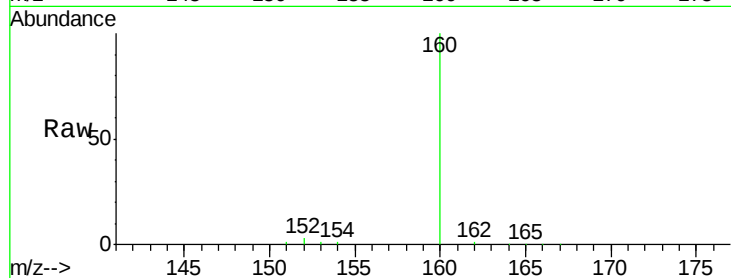
Tgt Ion:152 Resp: 761

Ion Ratio Lower Upper

152 100

151 32.2 17.1 25.7#

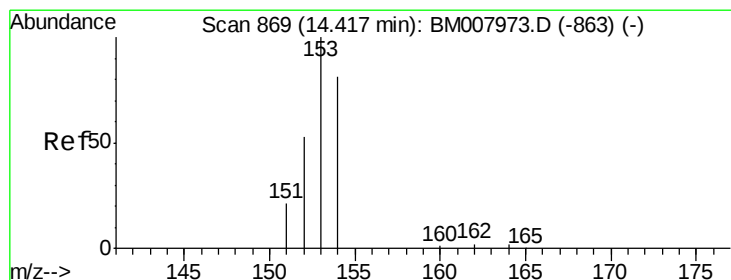
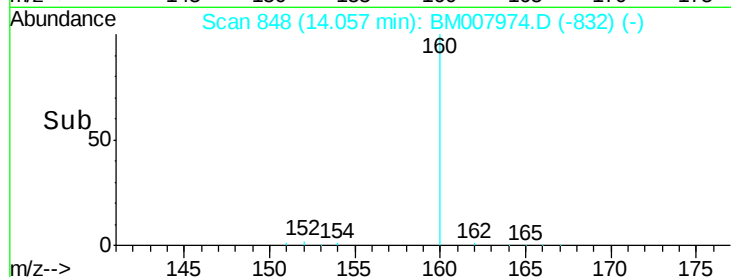
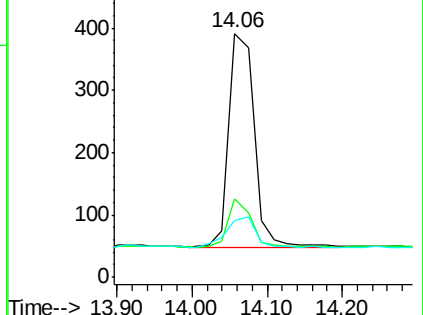
153 23.3 12.8 19.2#



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: 0.01 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM007974.D

Acq: 22 Nov 2016 00:39

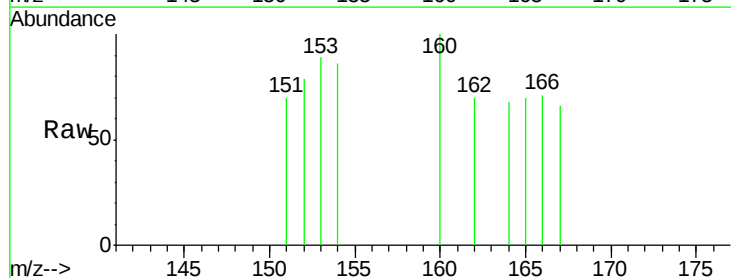
Tgt Ion:153 Resp: 32

Ion Ratio Lower Upper

153 100

152 89.2 40.3 60.5#

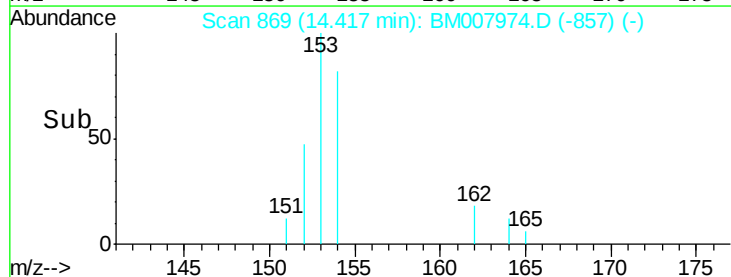
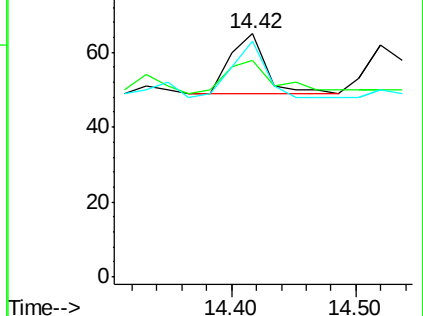
154 96.9 71.4 107.2

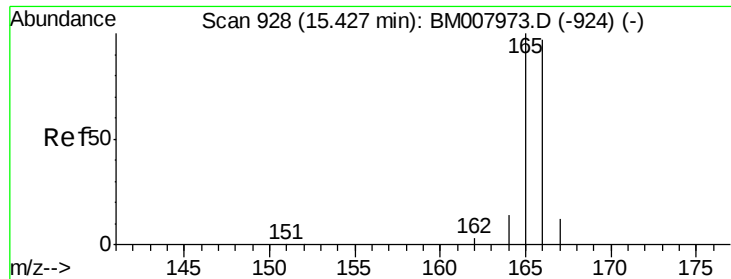


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.03 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.02 min

Lab File: BM007974.D

Acq: 22 Nov 2016 00:39

Instrument :

BNA_M

ClientSampleId :

JHST4

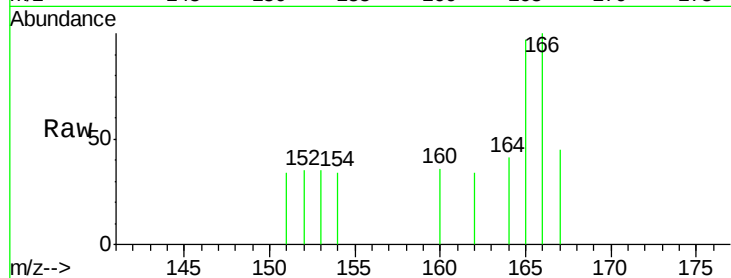
Tgt Ion:166 Resp: 153

Ion Ratio Lower Upper

166 100

165 97.2 73.4 110.2

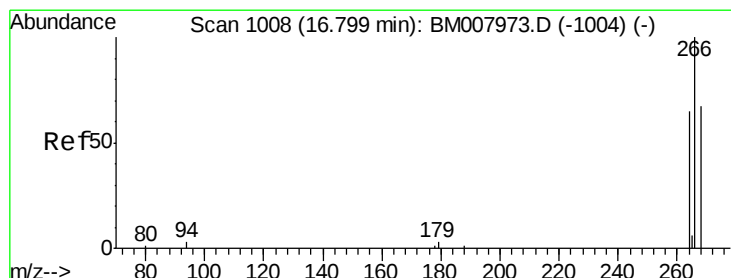
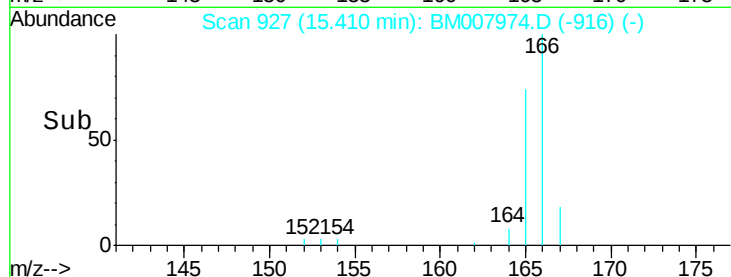
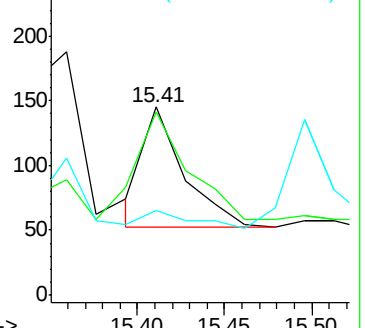
167 44.8 14.6 22.0#



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: 16.90 min Scan# 1014

Delta R.T. 0.10 min

Lab File: BM007974.D

Acq: 22 Nov 2016 00:39

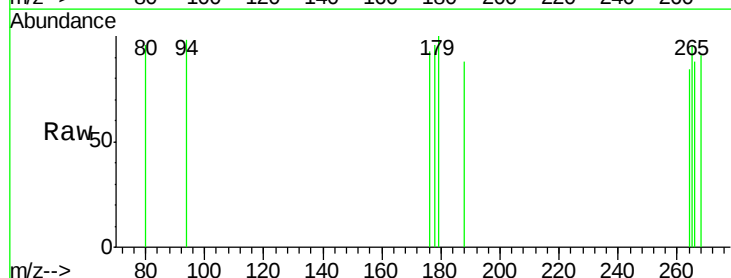
Tgt Ion:266 Resp: 3

Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

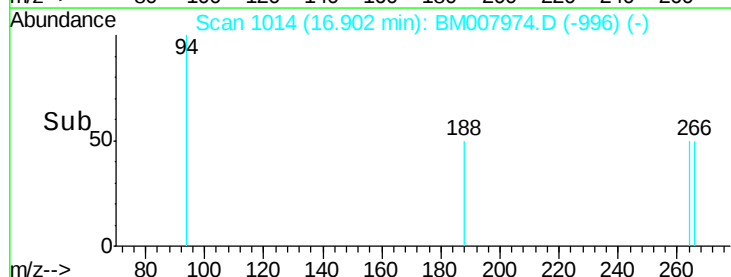
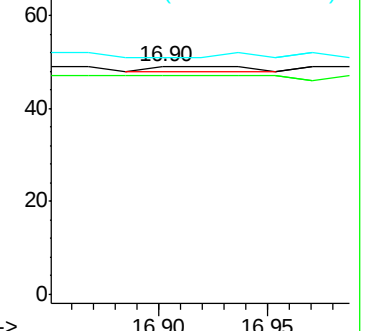
268 0.0 49.8 74.8#

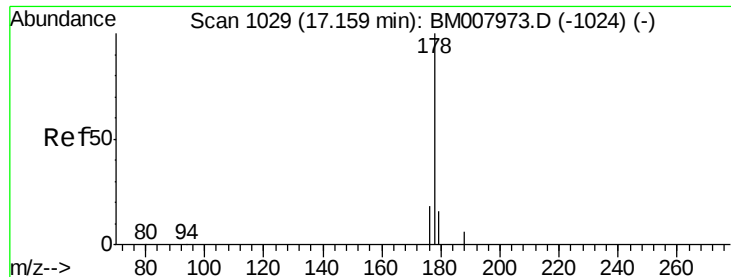


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.02 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.02 min

Lab File: BM007974.D

Acq: 22 Nov 2016 00:39

Instrument :

BNA_M

ClientSampleId :

JHST4

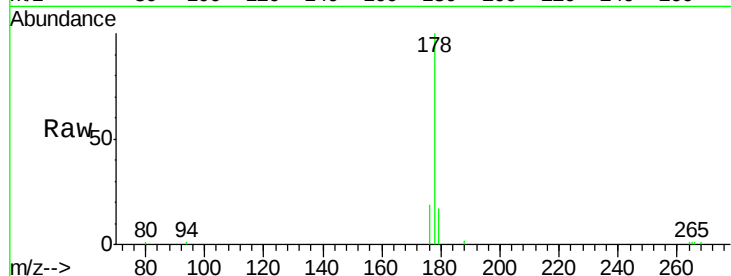
Tgt Ion:178 Resp: 6002

Ion Ratio Lower Upper

178 100

176 18.5 18.4 27.6

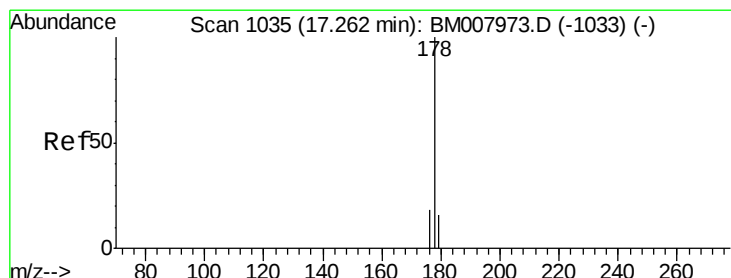
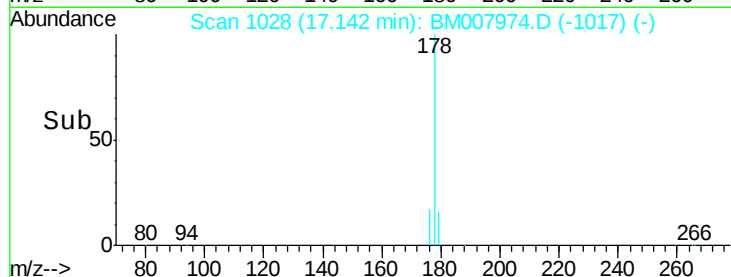
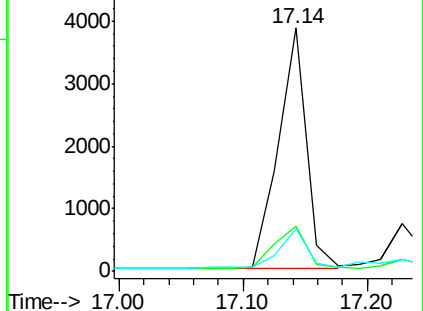
179 17.4 13.6 20.4



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: 17.23 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BM007974.D

Acq: 22 Nov 2016 00:39

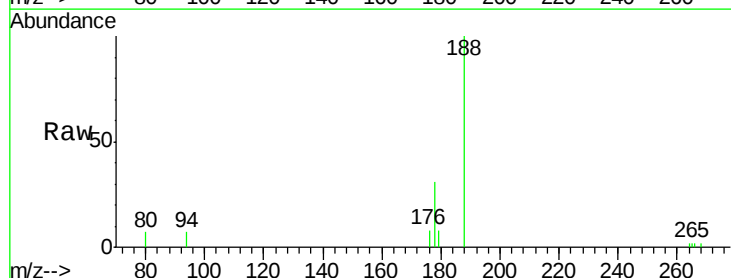
Tgt Ion:178 Resp: 1365

Ion Ratio Lower Upper

178 100

176 24.3 18.1 27.1

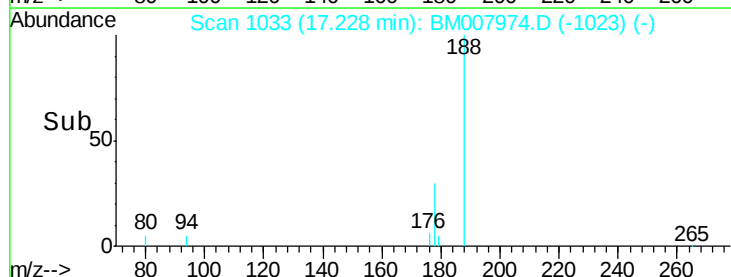
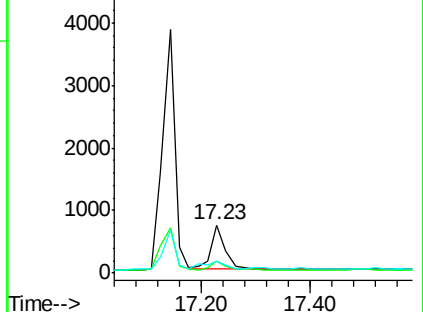
179 24.7 14.7 22.1#

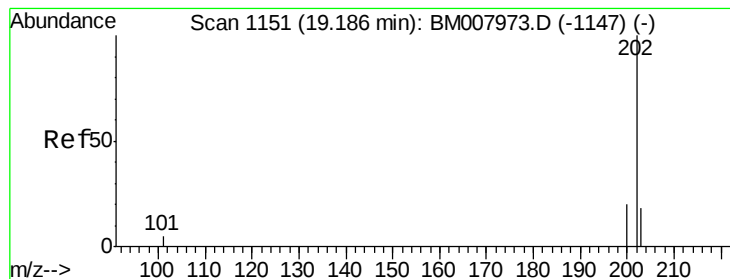


Abundance Ion 178.00 (177.70 to 178.70): E

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. 0.13 min

Lab File: BM007974.D

Acq: 22 Nov 2016 00:39

Instrument :

BNA_M

ClientSampleId :

JHST4

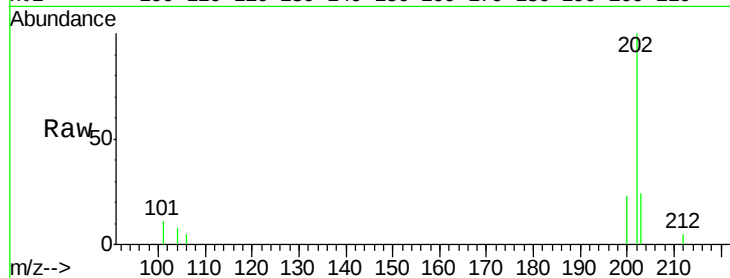
Tgt Ion:202 Resp: 1441

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.3

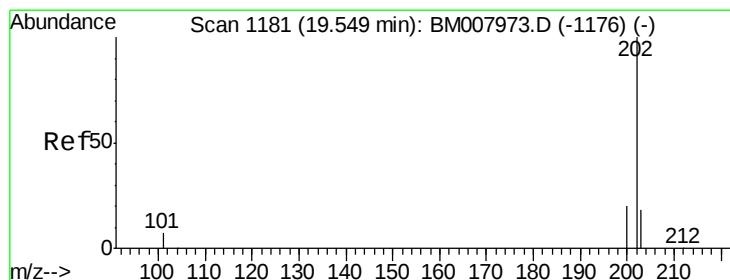
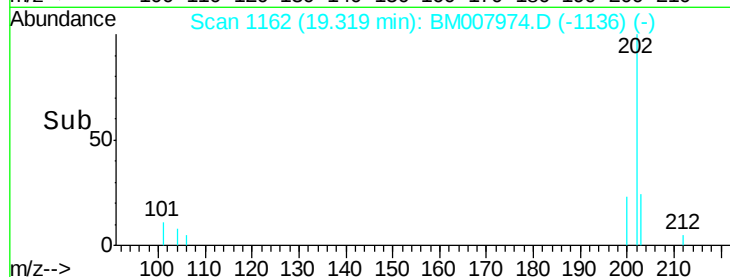
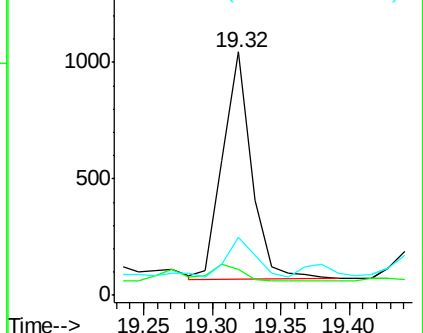
203 24.0 0.0 39.5



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: 2.14 ng/ul

RT: 19.52 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BM007974.D

Acq: 22 Nov 2016 00:39

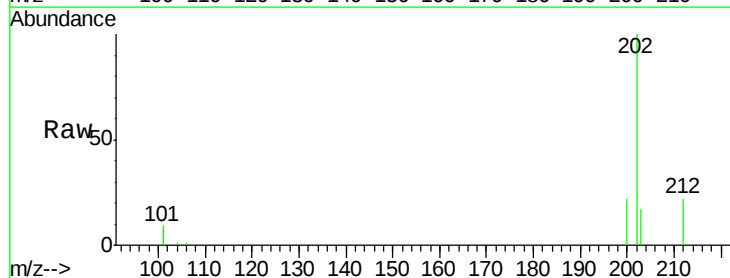
Tgt Ion:202 Resp: 19747

Ion Ratio Lower Upper

202 100

200 22.1 18.2 27.4

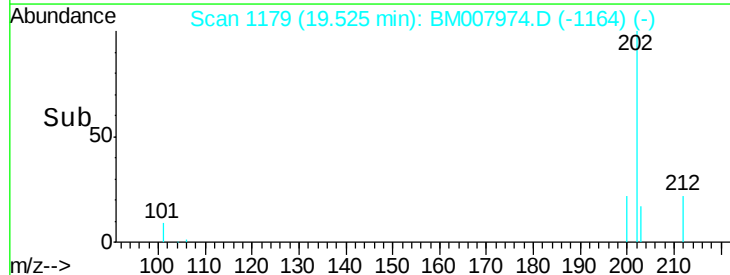
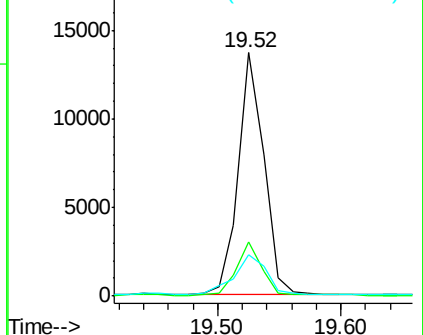
203 17.2 15.6 23.4

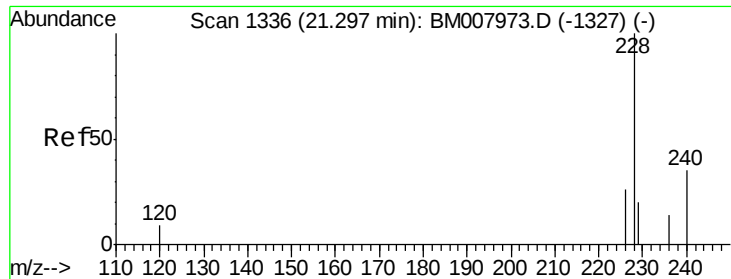


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 1.04 ng/ul

RT: 21.28 min Scan# 1334

Delta R.T. -0.02 min

Lab File: BM007974.D

Acq: 22 Nov 2016 00:39

Instrument :

BNA_M

ClientSampleId :

JHST4

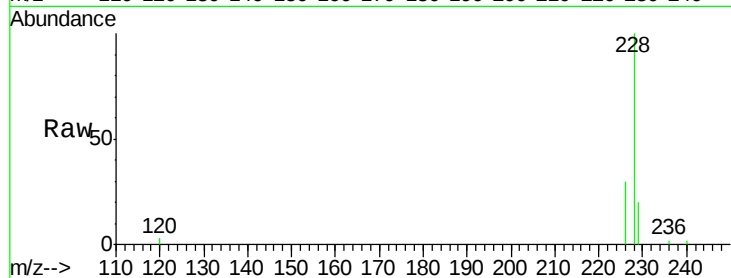
Tgt Ion:228 Resp: 8476

Ion Ratio Lower Upper

228 100

226 30.1 22.8 34.2

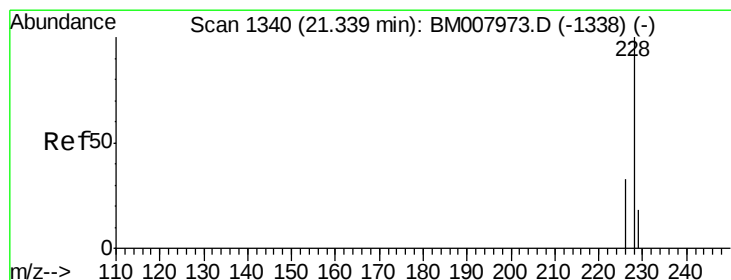
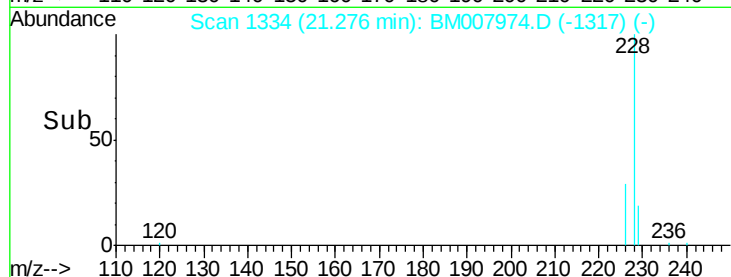
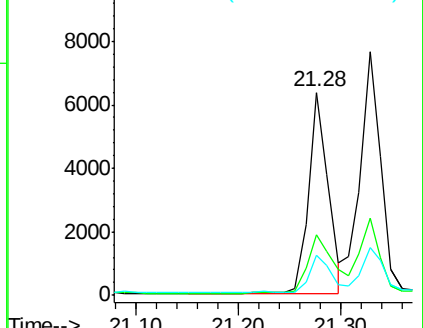
229 20.1 17.0 25.6



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: 1.05 ng/ul

RT: 21.33 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BM007974.D

Acq: 22 Nov 2016 00:39

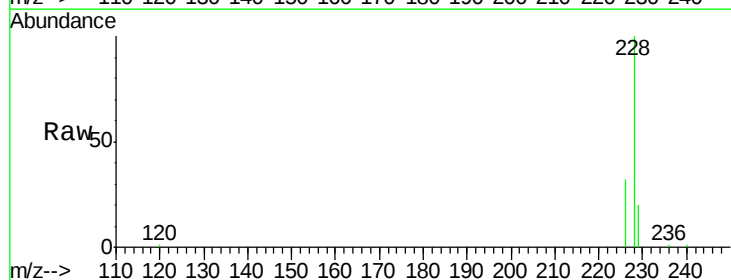
Tgt Ion:228 Resp: 10712

Ion Ratio Lower Upper

228 100

226 31.8 23.4 35.0

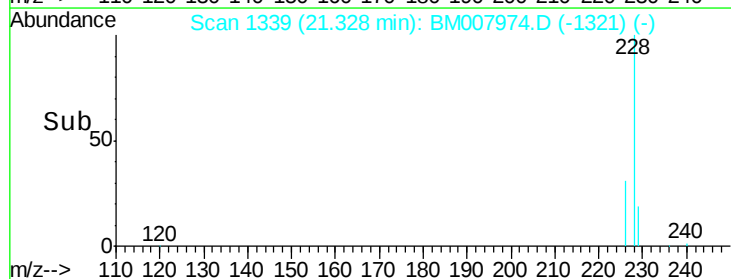
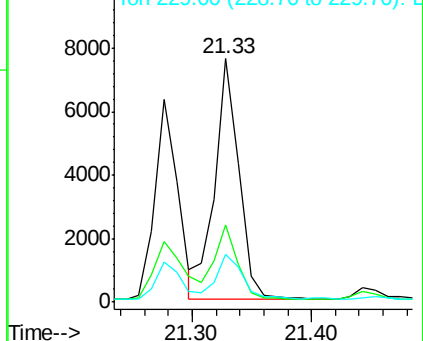
229 19.6 17.7 26.5

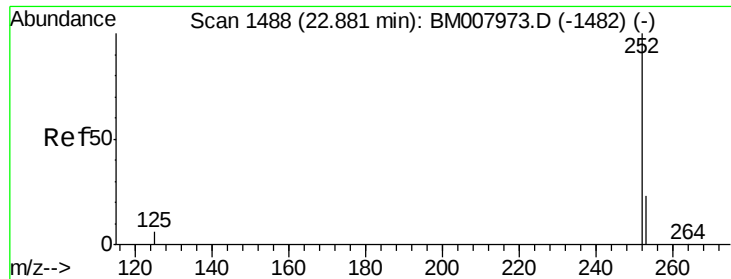


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.02 ng/u1

RT: 22.86 min Scan# 1486

Delta R.T. -0.02 min

Lab File: BM007974.D

Acq: 22 Nov 2016 00:39

Instrument :

BNA_M

ClientSampleId :

JHST4

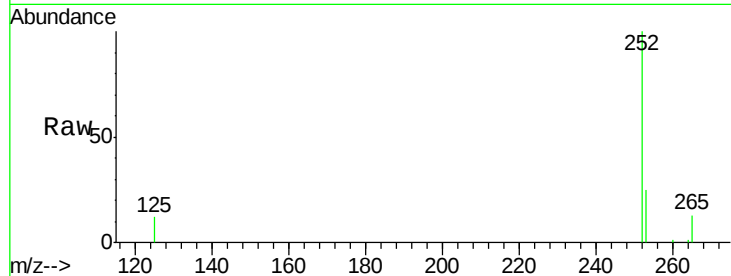
Tgt Ion:252 Resp: 10345

Ion Ratio Lower Upper

252 100

253 24.7 0.0 64.2

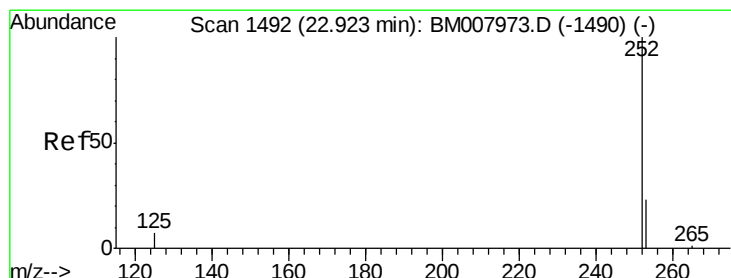
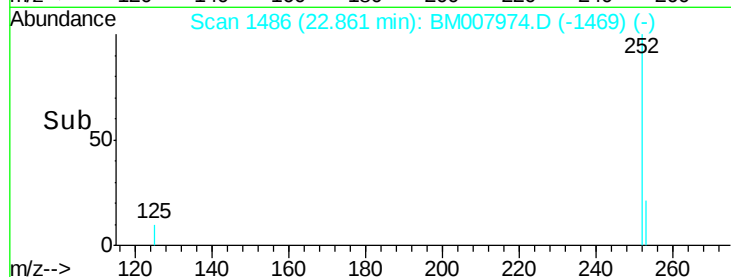
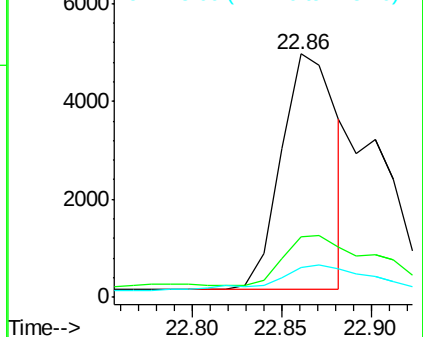
125 12.3 0.0 35.0



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: 0.03 ng/u1

RT: 22.86 min Scan# 1486

Delta R.T. -0.06 min

Lab File: BM007974.D

Acq: 22 Nov 2016 00:39

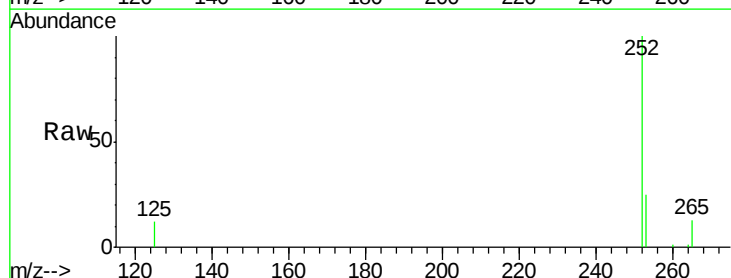
Tgt Ion:252 Resp: 15382

Ion Ratio Lower Upper

252 100

253 24.7 24.5 36.7

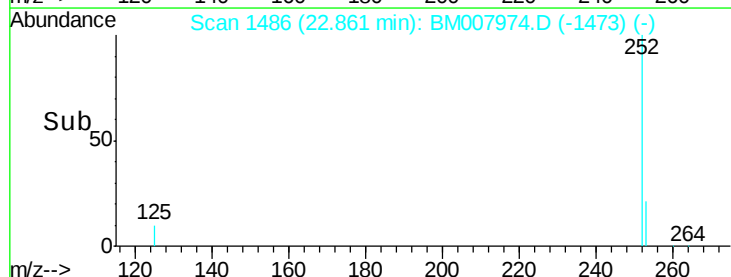
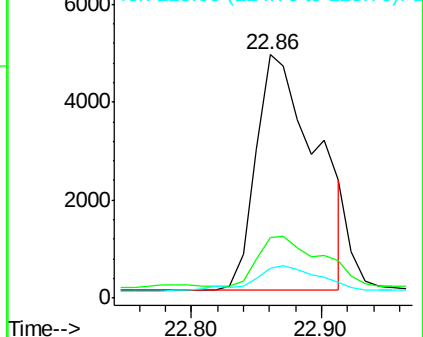
125 12.3 13.7 20.5#

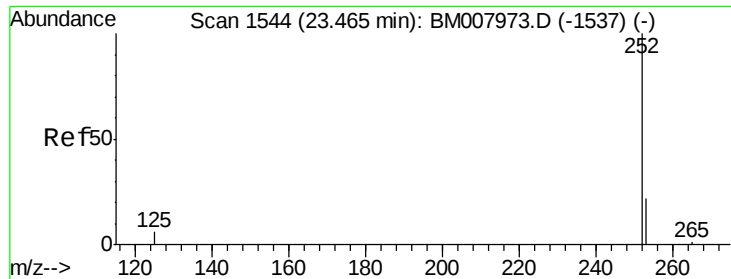


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.34 min Scan# 1532

Delta R.T. -0.12 min

Lab File: BM007974.D

Acq: 22 Nov 2016 00:39

Instrument :

BNA_M

ClientSampleId :

JHST4

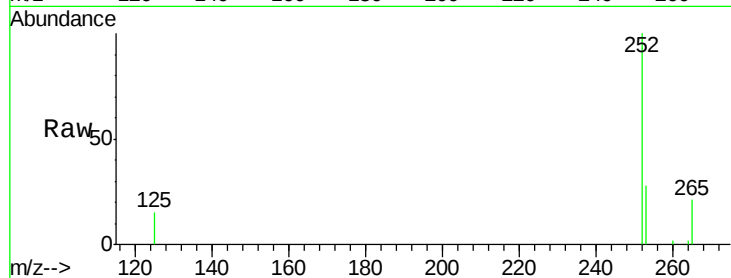
Tgt Ion:252 Resp: 5821

Ion Ratio Lower Upper

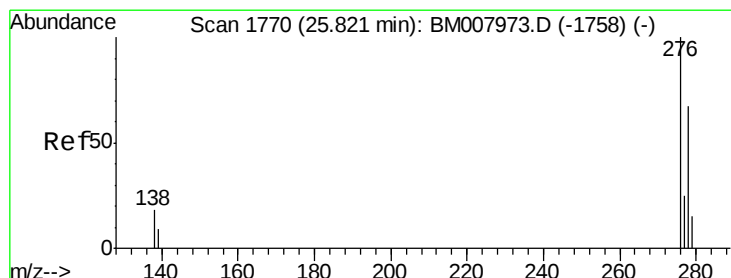
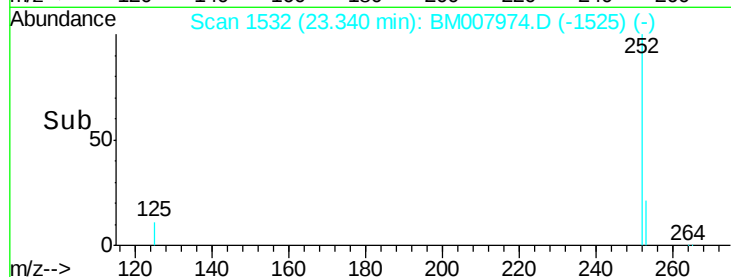
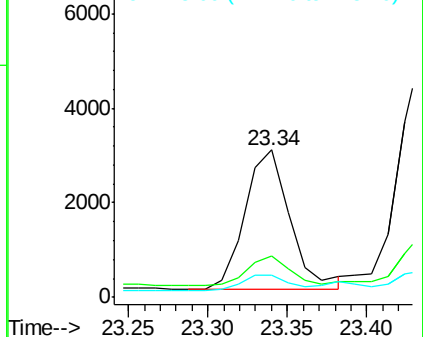
252 100

253 28.4 28.5 42.7#

125 14.9 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: 0.01 ng/ul

RT: 25.79 min Scan# 1767

Delta R.T. -0.03 min

Lab File: BM007974.D

Acq: 22 Nov 2016 00:39

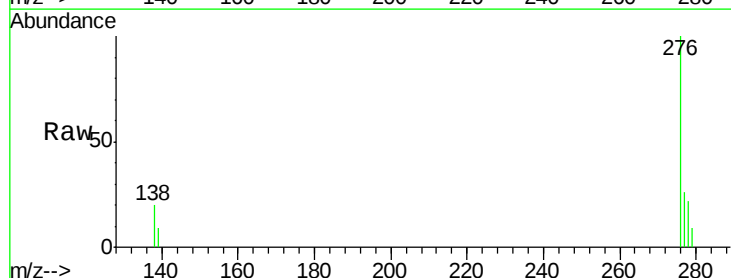
Tgt Ion:276 Resp: 4476

Ion Ratio Lower Upper

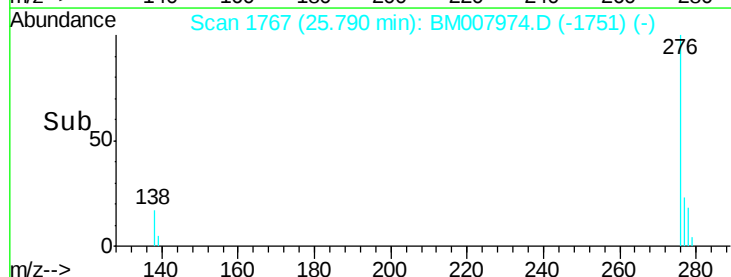
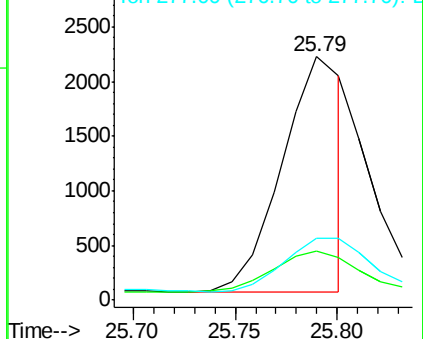
276 100

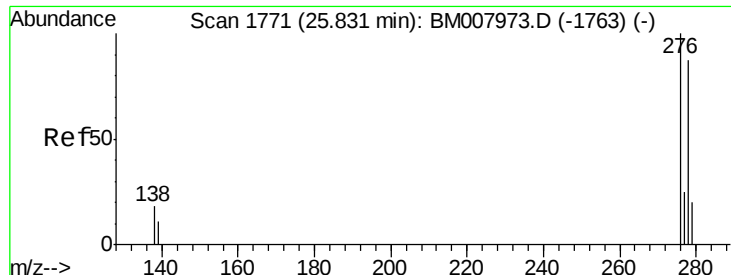
138 19.1 19.1 28.7

277 22.6 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: 25.59 min Scan# 1748

Delta R.T. -0.24 min

Lab File: BM007974.D

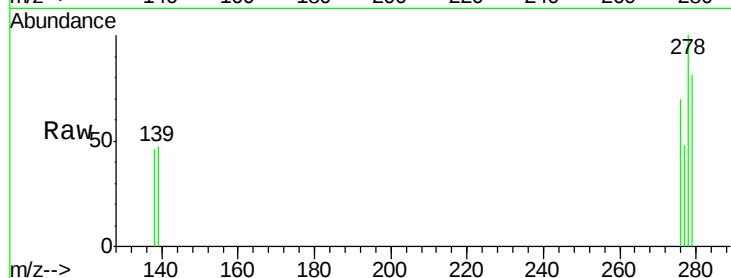
Acq: 22 Nov 2016 00:39

Instrument :

BNA_M

ClientSampleId :

JHST4



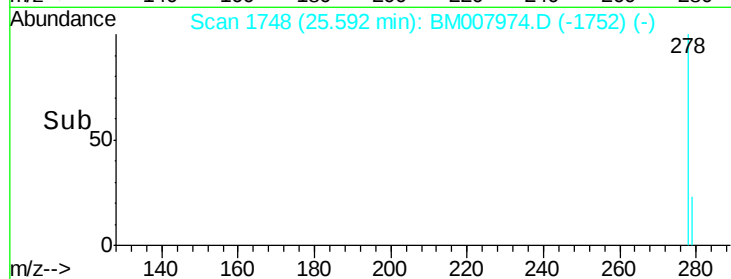
Tgt Ion: 278 Resp: 494

Ion Ratio Lower Upper

278 100

139 47.1 17.4 26.0#

279 81.2 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

400

300

200

100

0

25.50

25.59

25.70

Time-->