

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112116\
 Data File : BM007966.D
 Acq On : 21 Nov 2016 19:54
 Operator : UM/SJ
 Sample : H5695-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST7

Quant Time: Nov 22 05:00:21 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	634	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.50	136	2066	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1283	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.19	188	146210	0.40	ng/ul	0.07
16) Chrysene-d12	21.31	240	2676	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	125859	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	718	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.14	212	1779	0.00	ng/ul	-0.01

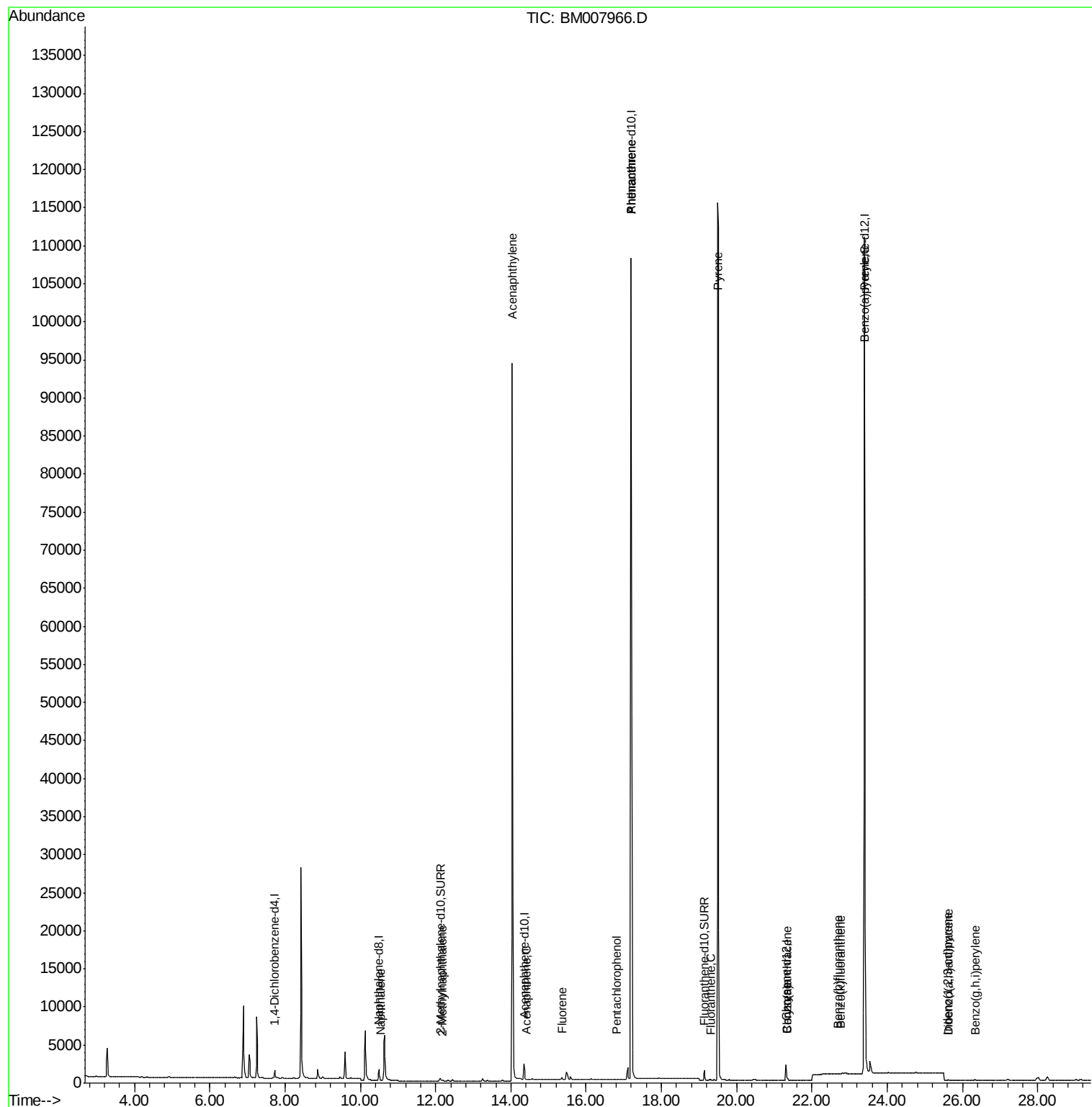
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	21	0.00	ng/ul#	1
5) 2-Methylnaphthalene	12.18	142	7	0.00	ng/ul#	15
7) Acenaphthylene	14.04	152	20	0.00	ng/ul#	1
8) Acenaphthene	14.42	153	10	0.00	ng/ul#	69
9) Fluorene	15.36	166	318	0.06	ng/ul#	31
11) Pentachlorophenol	16.80	266	16	0.00	ng/ul#	28
12) Phenanthrene	17.19	178	82	0.00	ng/ul#	1
13) Anthracene	17.19	178	81	0.00	ng/ul#	1
15) Fluoranthene	19.30	202	1	0.00	ng/ul#	1
17) Pyrene	19.50	202	307	0.03	ng/ul#	1
18) Benzo(a)anthracene	21.35	228	260	0.03	ng/ul#	50
19) Chrysene	21.35	228	271	0.03	ng/ul#	52
21) Benzo(b)fluoranthene	22.70	252	6	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.75	252	4	0.00	ng/ul#	1
23) Benzo(a)pyrene	23.39	252	679	0.00	ng/ul#	30
24) Indeno(1,2,3-cd)pyrene	25.60	276	463	0.00	ng/ul#	51
25) Dibenzo(a,h)anthracene	25.62	278	1123	0.00	ng/ul#	1
26) Benzo(g,h,i)perylene	26.35	276	1	0.00	ng/ul#	1

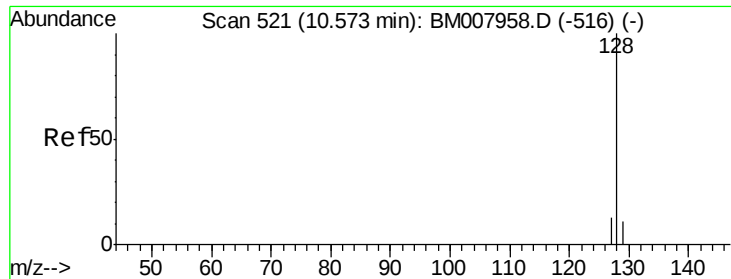
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.00 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.02 min

Lab File: BM007966.D

Acq: 21 Nov 2016 19:54

Instrument :

BNA_M

ClientSampleId :

JHST7

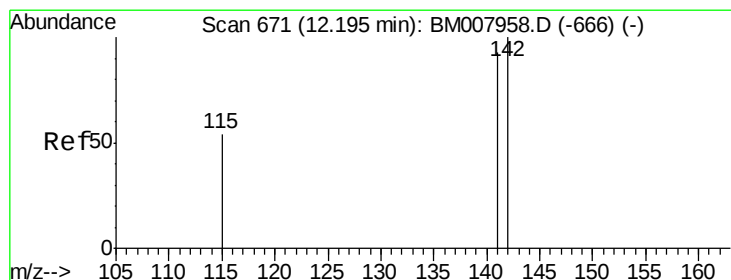
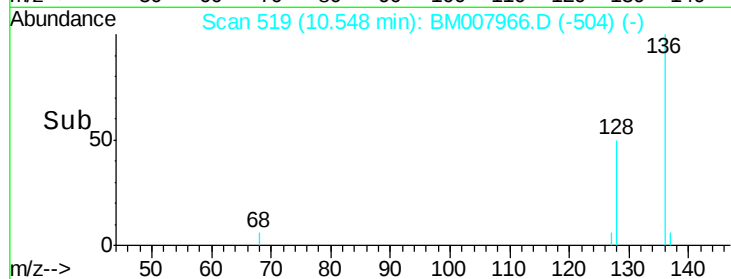
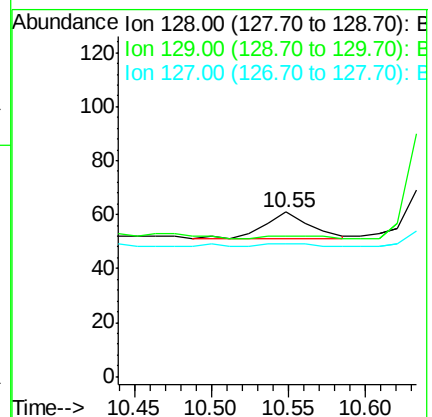
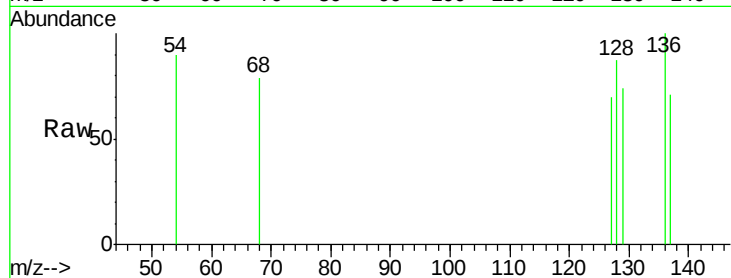
Tgt Ion:128 Resp: 21

Ion Ratio Lower Upper

128 100

129 85.2 11.3 16.9#

127 80.3 12.8 19.2#



#5

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.18 min Scan# 670

Delta R.T. -0.01 min

Lab File: BM007966.D

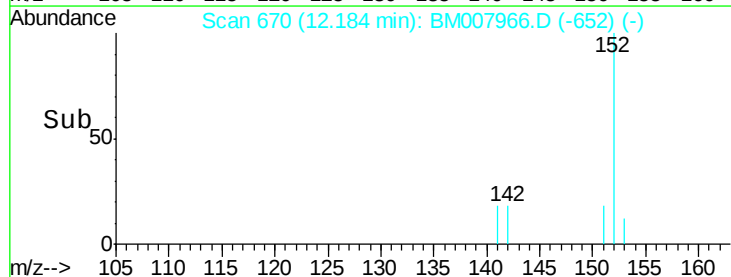
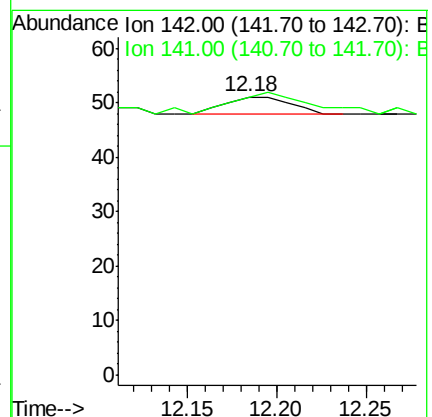
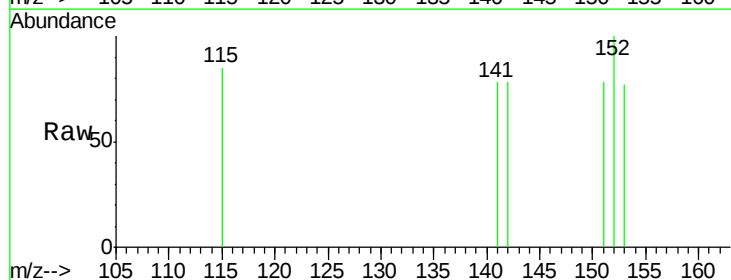
Acq: 21 Nov 2016 19:54

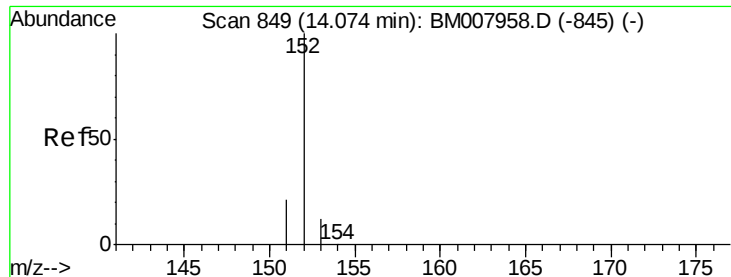
Tgt Ion:142 Resp: 7

Ion Ratio Lower Upper

142 100

141 171.4 72.6 108.8#





#7

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.03 min

Lab File: BM007966.D

Acq: 21 Nov 2016 19:54

Instrument :

BNA_M

ClientSampleId :

JHST7

Tgt Ion:152 Resp: 20

Ion Ratio Lower Upper

152 100

151 90.9 17.1 25.7#

153 118.2 12.8 19.2#



Abundance Ion 152.00 (151.70 to 152.70): E

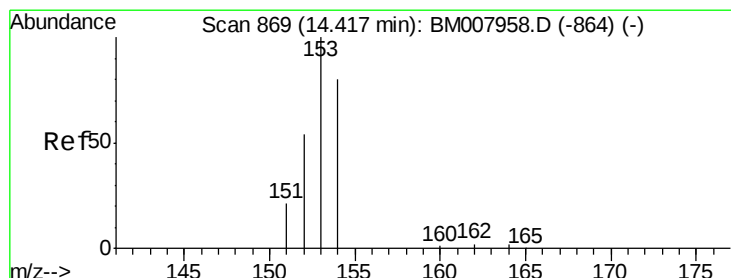
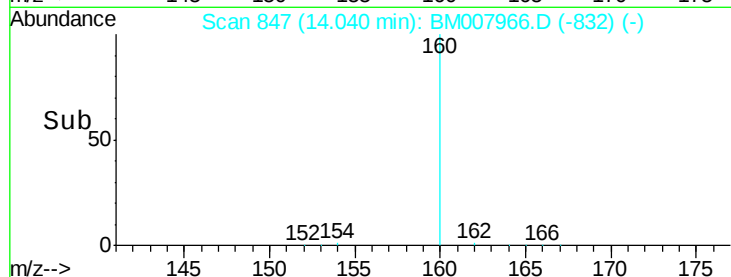
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.04

Time-->

13.90 14.00 14.10 14.20



#8

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM007966.D

Acq: 21 Nov 2016 19:54

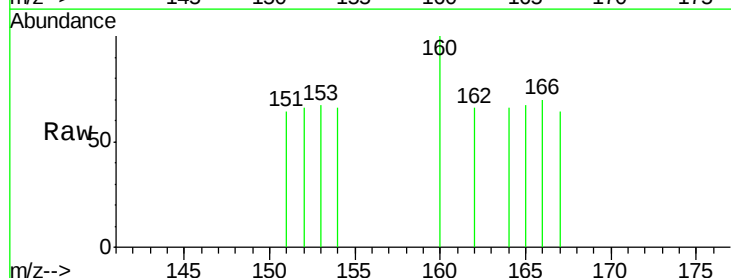
Tgt Ion:153 Resp: 10

Ion Ratio Lower Upper

153 100

152 98.0 40.3 60.5#

154 98.0 71.4 107.2



Abundance Ion 153.00 (152.70 to 153.70): E

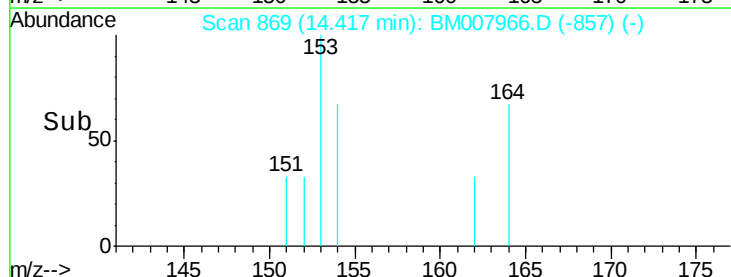
Ion 152.00 (151.70 to 152.70): E

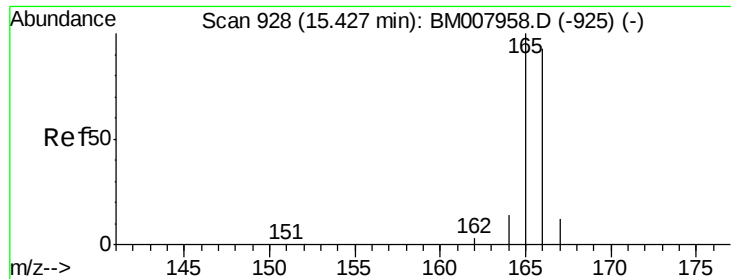
Ion 154.00 (153.70 to 154.70): E

14.42

Time-->

14.40 14.50





#9

Fluorene

Concen: 0.06 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.07 min

Lab File: BM007966.D

Acq: 21 Nov 2016 19:54

Instrument :

BNA_M

ClientSampled :

JHST7

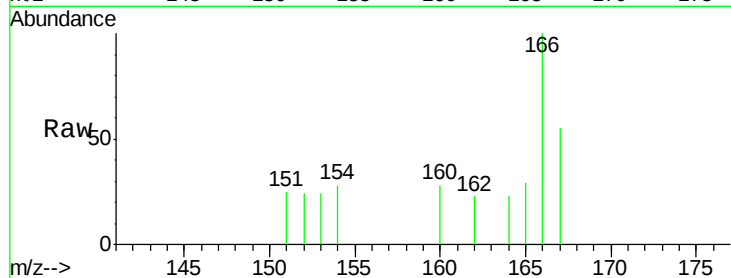
Tgt Ion:166 Resp: 318

Ion Ratio Lower Upper

166 100

165 28.5 73.4 110.2#

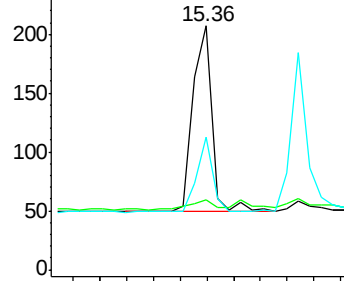
167 54.6 14.6 22.0#



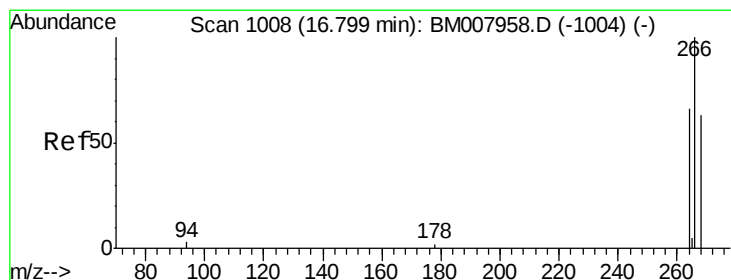
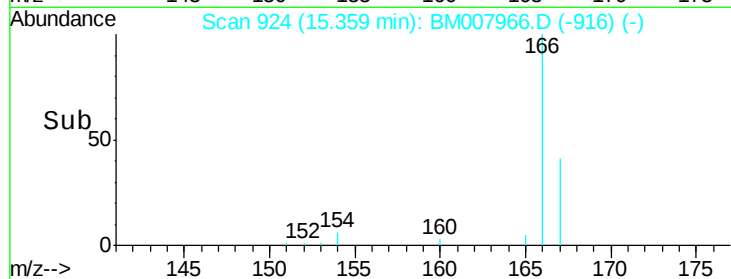
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.80 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BM007966.D

Acq: 21 Nov 2016 19:54

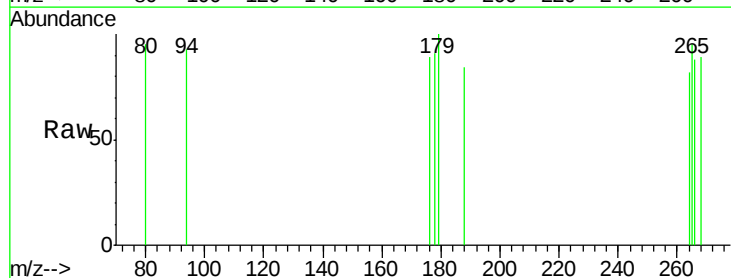
Tgt Ion:266 Resp: 16

Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

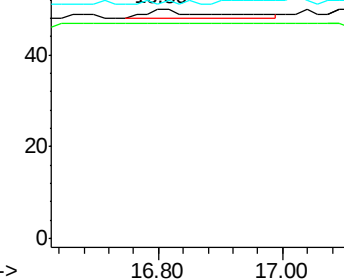
268 12.5 49.8 74.8#



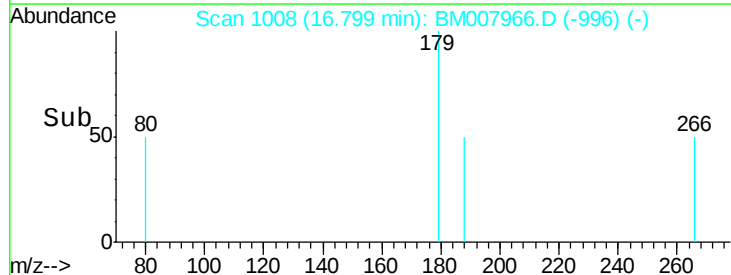
Abundance Ion 266.00 (265.70 to 266.70): E

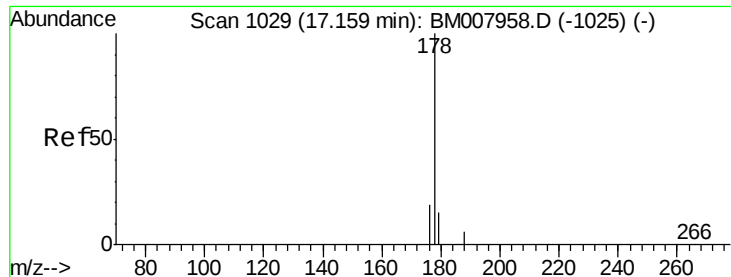
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. 0.03 min

Lab File: BM007966.D

Acq: 21 Nov 2016 19:54

Instrument :

BNA_M

ClientSampleId :

JHST7

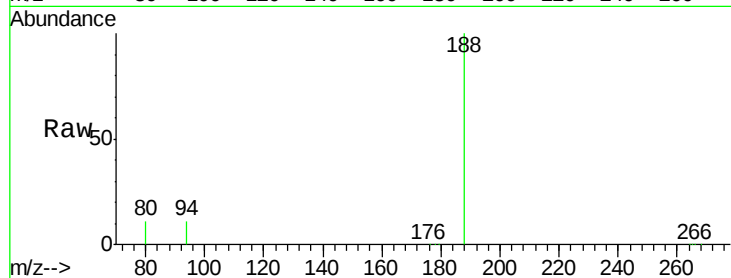
Tgt Ion:178 Resp: 82

Ion Ratio Lower Upper

178 100

176 53.6 18.4 27.6#

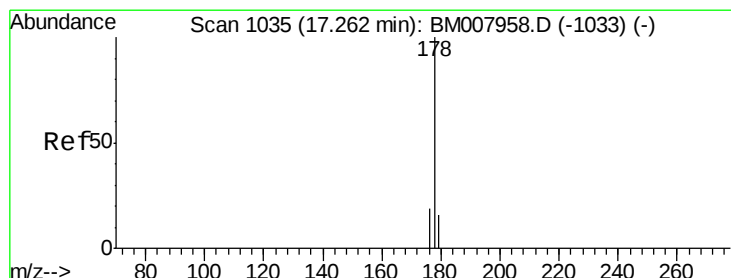
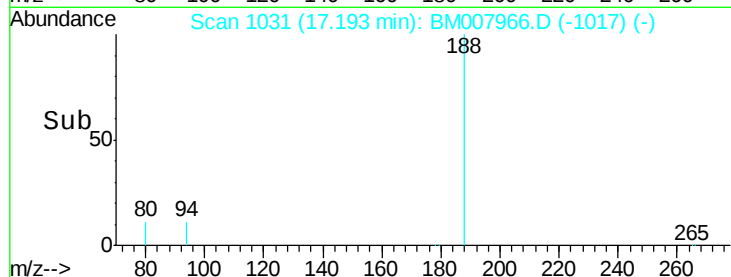
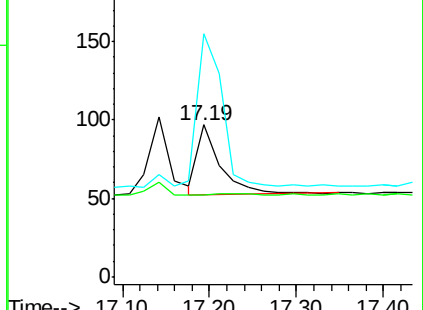
179 159.8 13.6 20.4#



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: BM007966.D

Acq: 21 Nov 2016 19:54

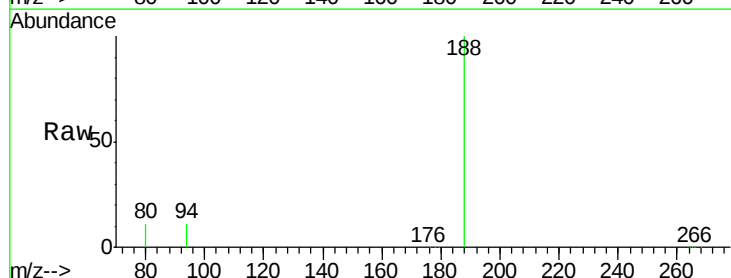
Tgt Ion:178 Resp: 81

Ion Ratio Lower Upper

178 100

176 53.6 18.1 27.1#

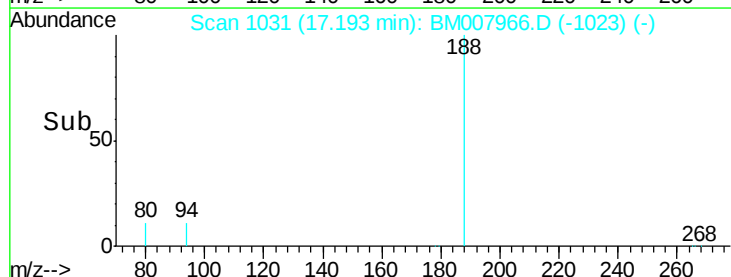
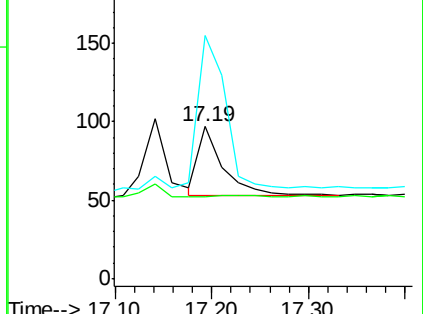
179 159.8 14.7 22.1#

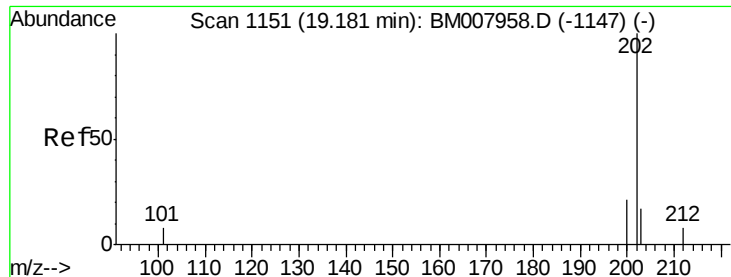


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

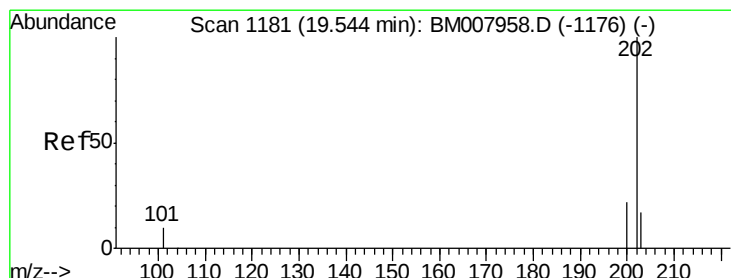
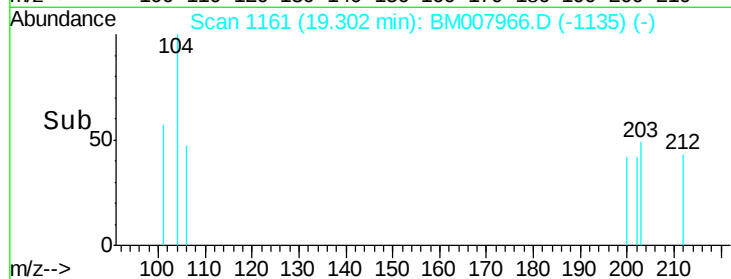
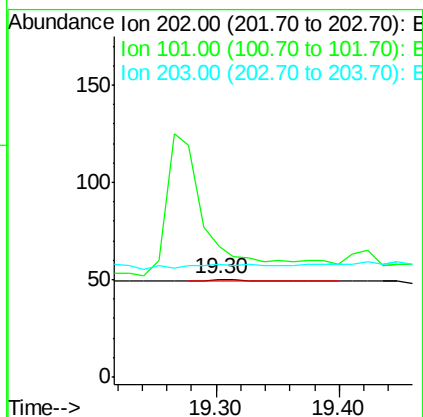
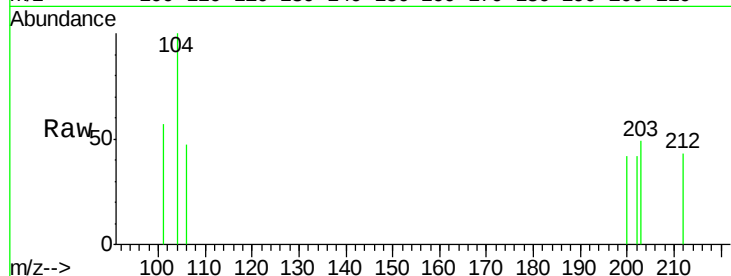




#15
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.30 min Scan# 1161
 Delta R.T. 0.12 min
 Lab File: BM007966.D
 Acq: 21 Nov 2016 19:54

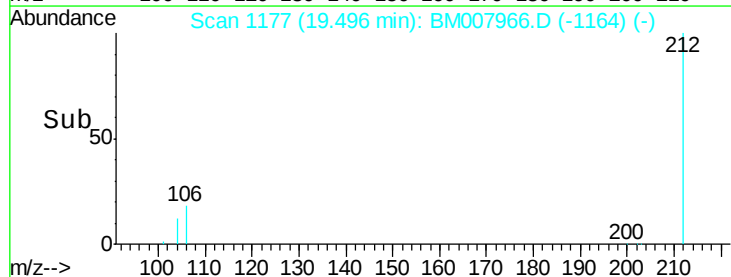
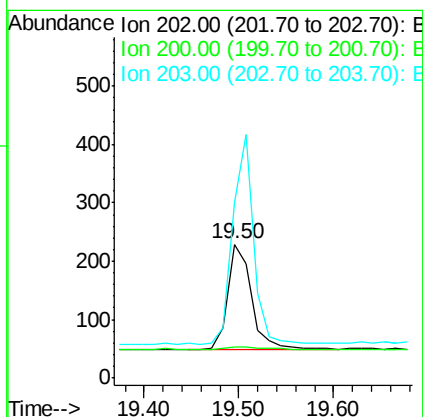
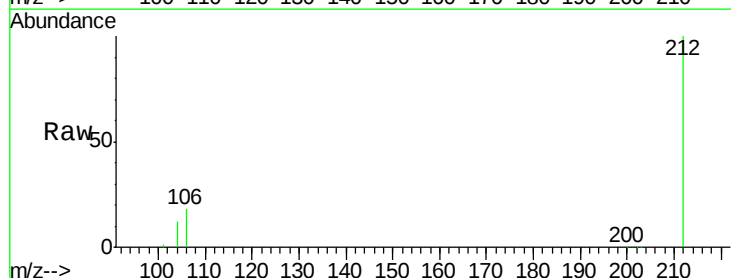
Instrument :
 BNA_M
 ClientSampleId :
 JHST7

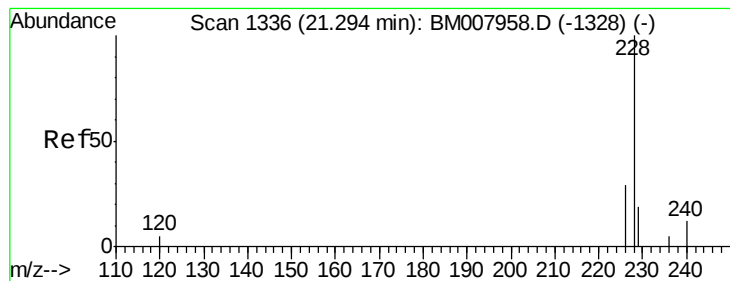
Tgt Ion:202 Resp: 1
 Ion Ratio Lower Upper
 202 100
 101 134.0 0.0 30.3#
 203 116.0 0.0 39.5#



#17
Pyrene
 Concen: 0.03 ng/ul
 RT: 19.50 min Scan# 1177
 Delta R.T. -0.05 min
 Lab File: BM007966.D
 Acq: 21 Nov 2016 19:54

Tgt Ion:202 Resp: 307
 Ion Ratio Lower Upper
 202 100
 200 23.6 18.2 27.4
 203 131.9 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.03 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.05 min

Lab File: BM007966.D

Acq: 21 Nov 2016 19:54

Instrument :

BNA_M

ClientSampleId :

JHST7

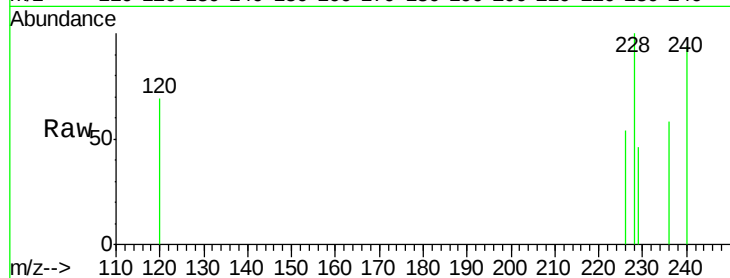
Tgt Ion:228 Resp: 260

Ion Ratio Lower Upper

228 100

226 54.5 22.8 34.2#

229 45.5 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

21.35

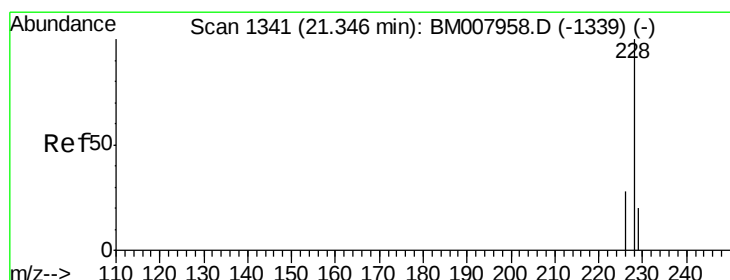
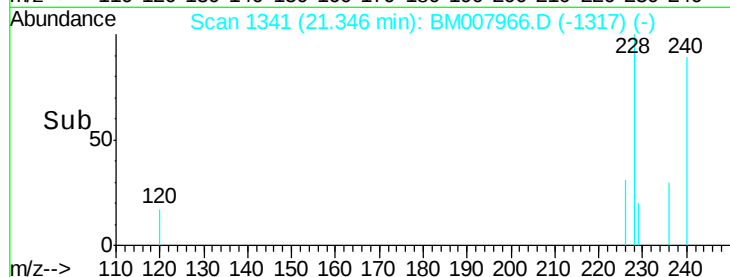
150

100

50

0

Time--> 21.20 21.30 21.40 21.50



#19

Chrysene

Concen: 0.03 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BM007966.D

Acq: 21 Nov 2016 19:54

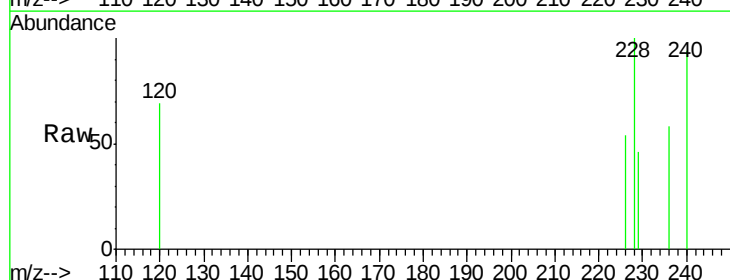
Tgt Ion:228 Resp: 271

Ion Ratio Lower Upper

228 100

226 54.5 23.4 35.0#

229 45.5 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

21.35

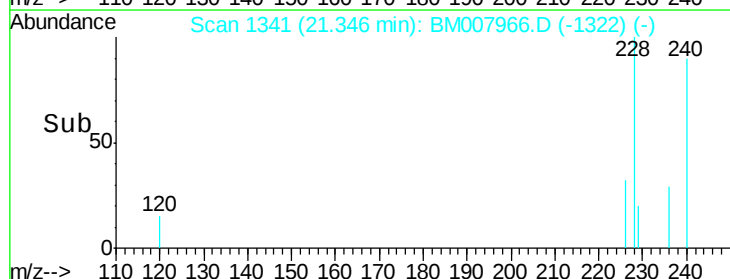
150

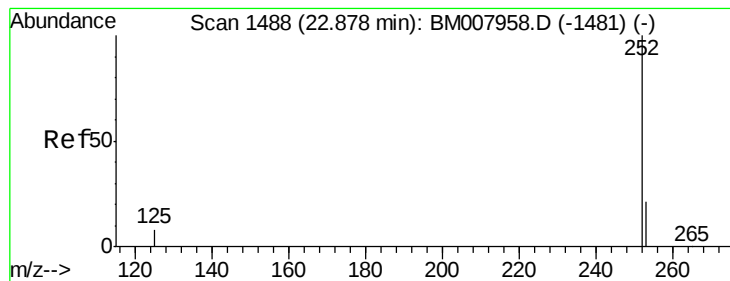
100

50

0

Time--> 21.20 21.30 21.40





#21

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.70 min Scan# 1471

Delta R.T. -0.18 min

Lab File: BM007966.D

Acq: 21 Nov 2016 19:54

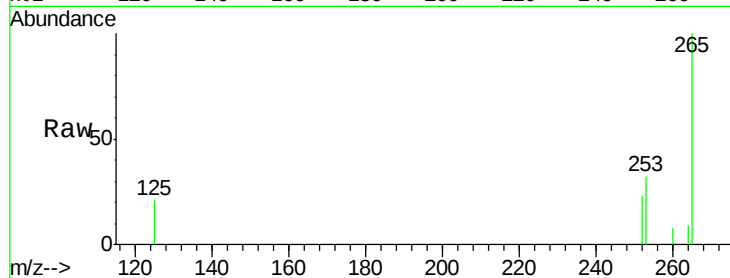
Instrument :

BNA_M

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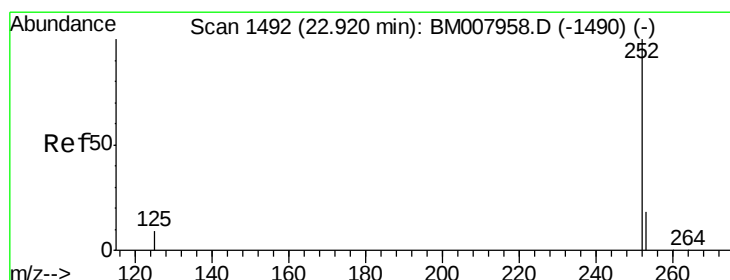
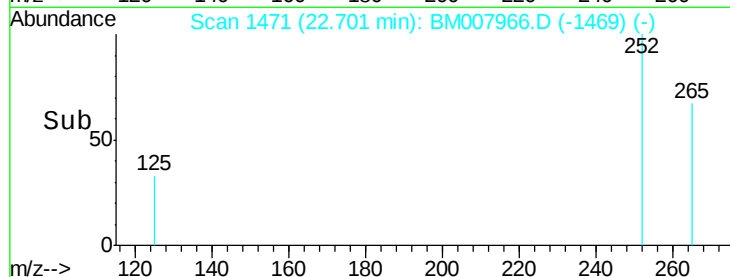
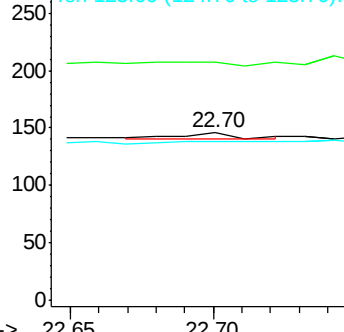
Tgt Ion:	252	Resp:	6
Ion	Ratio	Lower	Upper
252	100		
253	141.8	0.0	64.2#
125	94.5	0.0	35.0#



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

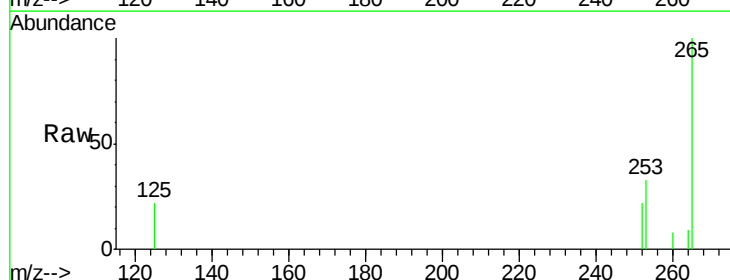
RT: 22.75 min Scan# 1476

Delta R.T. -0.17 min

Lab File: BM007966.D

Acq: 21 Nov 2016 19:54

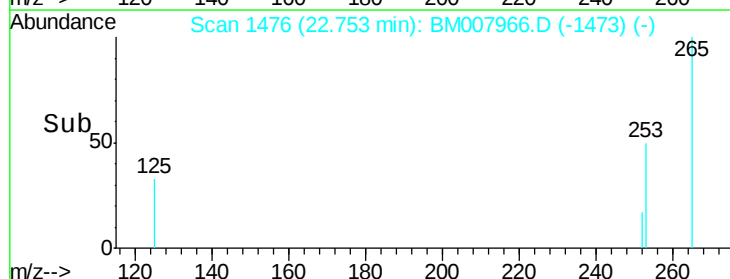
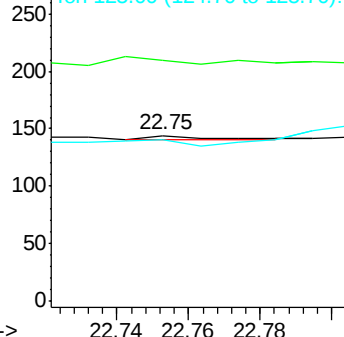
Tgt Ion:	252	Resp:	4
Ion	Ratio	Lower	Upper
252	100		
253	145.8	24.5	36.7#
125	97.2	13.7	20.5#

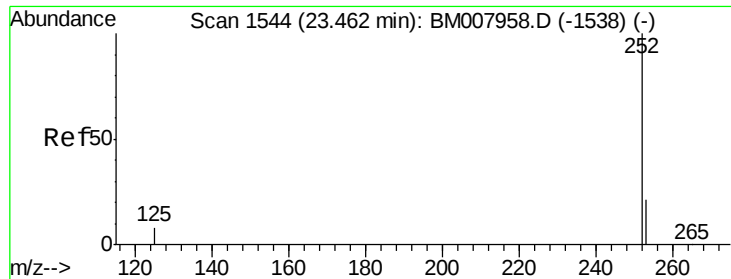


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM007966.D

Acq: 21 Nov 2016 19:54

Instrument :

BNA_M

ClientSampleId :

JHST7

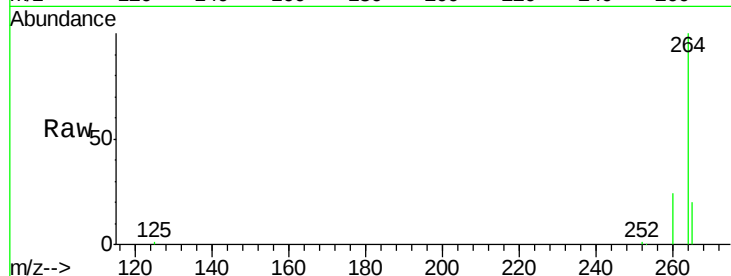
Tgt Ion: 252 Resp: 679

Ion Ratio Lower Upper

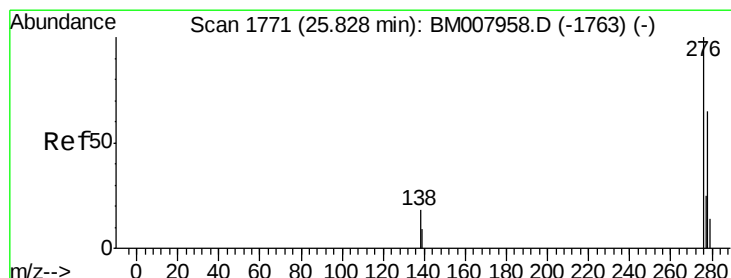
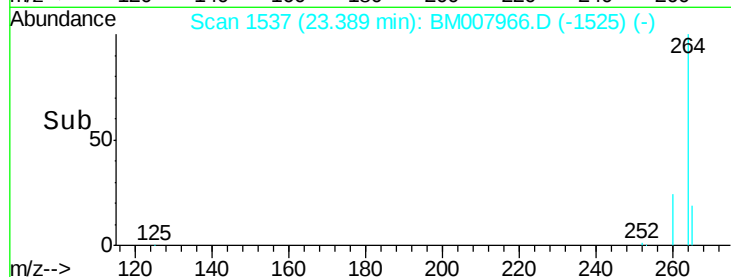
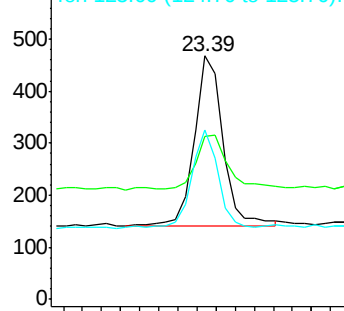
252 100

253 66.7 28.5 42.7#

125 69.7 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. -0.23 min

Lab File: BM007966.D

Acq: 21 Nov 2016 19:54

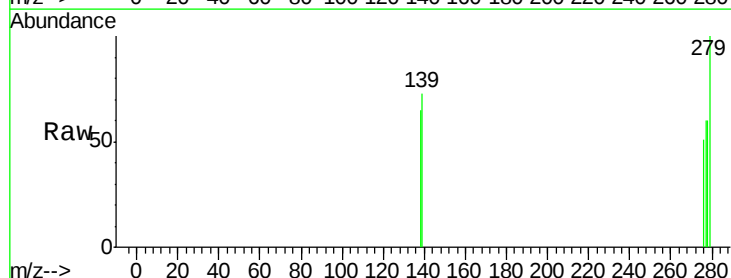
Tgt Ion: 276 Resp: 463

Ion Ratio Lower Upper

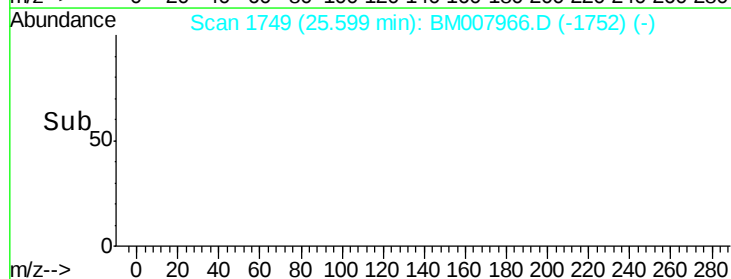
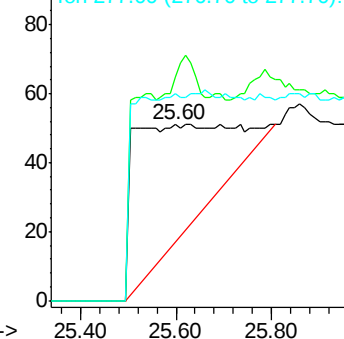
276 100

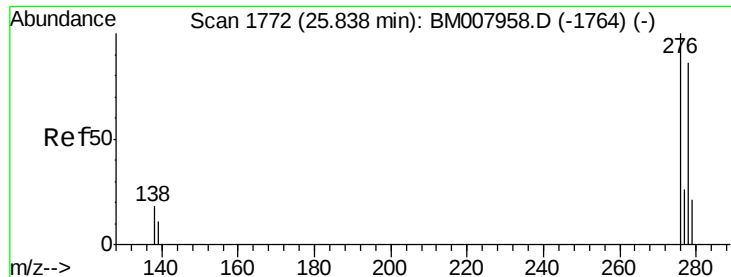
138 0.0 19.1 28.7#

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: 25.62 min Scan# 1751

Delta R.T. -0.22 min

Lab File: BM007966.D

Acq: 21 Nov 2016 19:54

Instrument :

BNA_M

ClientSampleId :

JHST7

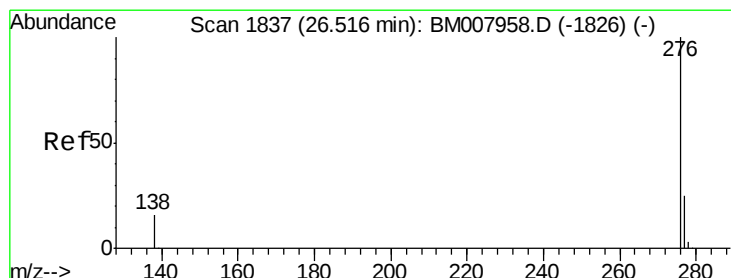
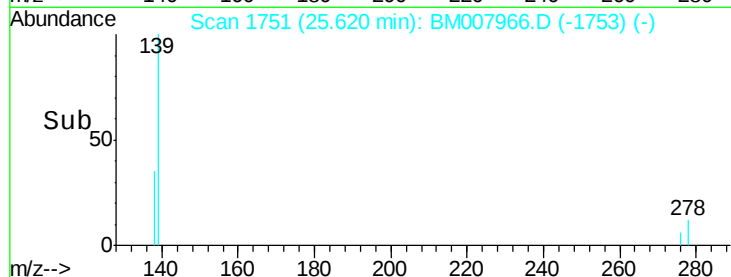
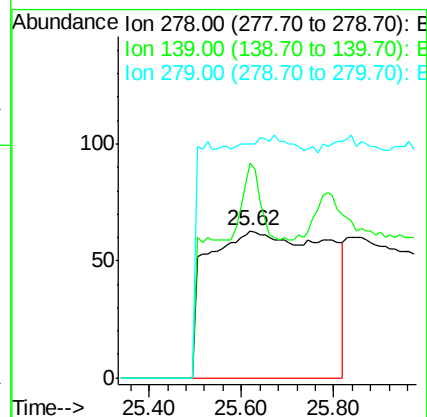
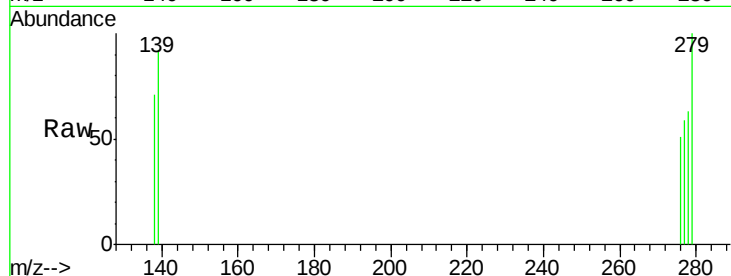
Tgt Ion: 278 Resp: 1123

Ion Ratio Lower Upper

278 100

139 146.0 17.4 26.0#

279 158.7 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.35 min Scan# 1821

Delta R.T. -0.17 min

Lab File: BM007966.D

Acq: 21 Nov 2016 19:54

Tgt Ion: 276 Resp: 1

Ion Ratio Lower Upper

276 100

277 113.7 21.8 32.8#

138 158.8 20.5 30.7#

