

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112116\
 Data File : BM007972.D
 Acq On : 21 Nov 2016 23:28
 Operator : UM/SJ
 Sample : H5695-14
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSW0

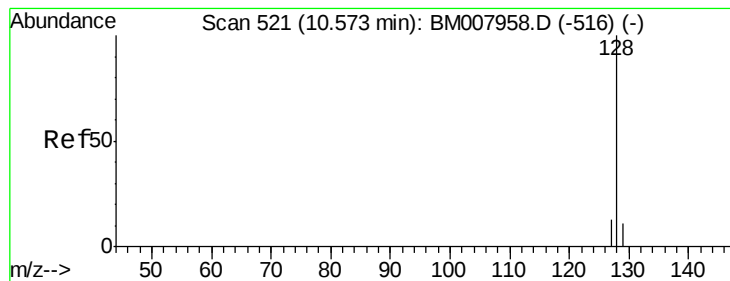
Quant Time: Nov 22 05:01:22 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 04:57:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	654	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.50	136	2190	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1365	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.19	188	151355	0.40	ng/ul	0.07
16) Chrysene-d12	21.31	240	2828	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	120325	0.40	ng/ul	-0.17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	763	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.14	212	1862	0.00	ng/ul	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	54	0.01	ng/ul#	1
5) 2-Methylnaphthalene	12.18	142	16	0.00	ng/ul#	37
7) Acenaphthylene	14.04	152	12	0.00	ng/ul#	1
8) Acenaphthene	14.42	153	10	0.00	ng/ul#	68
9) Fluorene	15.36	166	322	0.06	ng/ul#	31
11) Pentachlorophenol	16.95	266	1	0.00	ng/ul#	1
12) Phenanthrene	17.19	178	87	0.00	ng/ul#	1
13) Anthracene	17.19	178	81	0.00	ng/ul#	1
15) Fluoranthene	19.31	202	4	0.00	ng/ul#	1
17) Pyrene	19.50	202	352	0.04	ng/ul#	1
18) Benzo(a)anthracene	21.35	228	251	0.03	ng/ul#	46
19) Chrysene	21.35	228	261	0.02	ng/ul#	48
21) Benzo(b)fluoranthene	22.71	252	8	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.71	252	8	0.00	ng/ul#	1
23) Benzo(a)pyrene	23.39	252	699	0.00	ng/ul#	35
24) Indeno(1,2,3-cd)pyrene	25.55	276	913	0.00	ng/ul#	51
25) Dibenzo(a,h)anthracene	25.64	278	1036	0.00	ng/ul#	1
26) Benzo(g,h,i)perylene	26.34	276	4	0.00	ng/ul#	1

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



#3

Naphthalene

Concen: 0.01 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.02 min

Lab File: BM007972.D

Acq: 21 Nov 2016 23:28

Instrument :

BNA_M

ClientSampleId :

JHSW0

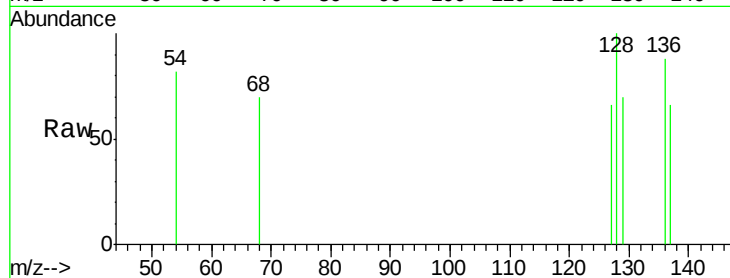
Tgt Ion:128 Resp: 54

Ion Ratio Lower Upper

128 100

129 70.1 11.3 16.9#

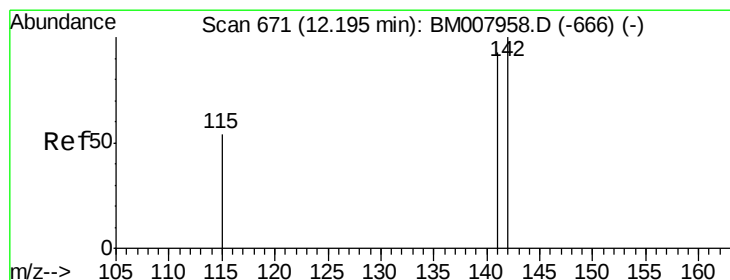
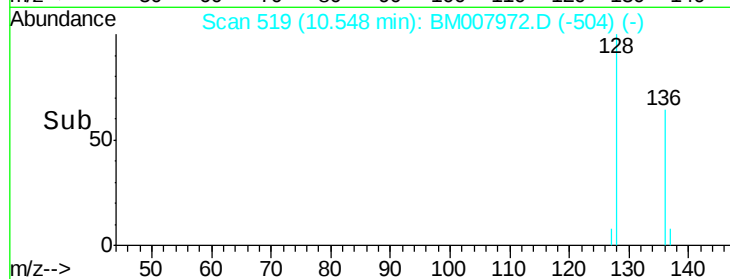
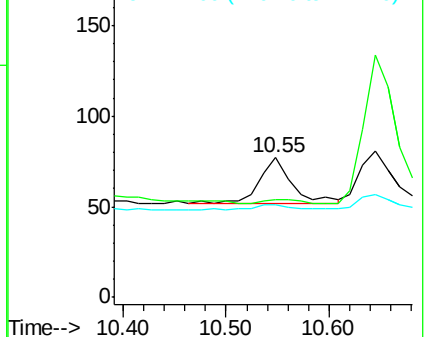
127 66.2 12.8 19.2#



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: 12.18 min Scan# 670

Delta R.T. -0.01 min

Lab File: BM007972.D

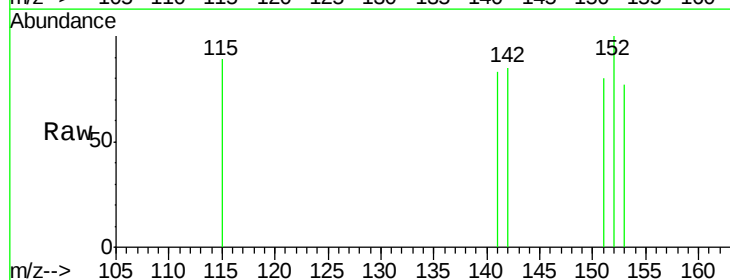
Acq: 21 Nov 2016 23:28

Tgt Ion:142 Resp: 16

Ion Ratio Lower Upper

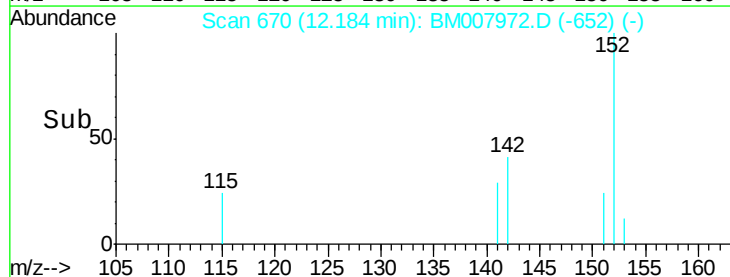
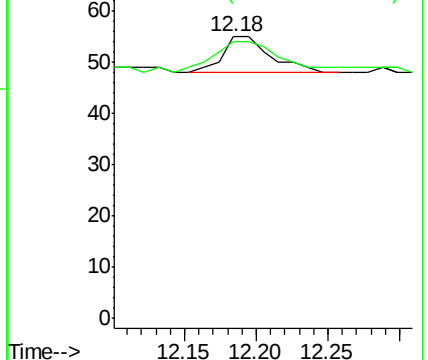
142 100

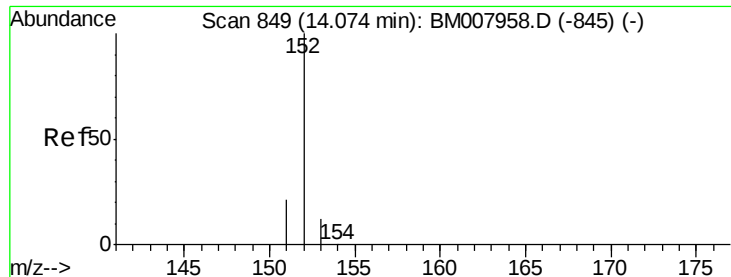
141 150.0 72.6 108.8#



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: BM007972.D

Acq: 21 Nov 2016 23:28

Instrument :

BNA_M

ClientSampleId :

JHSW0

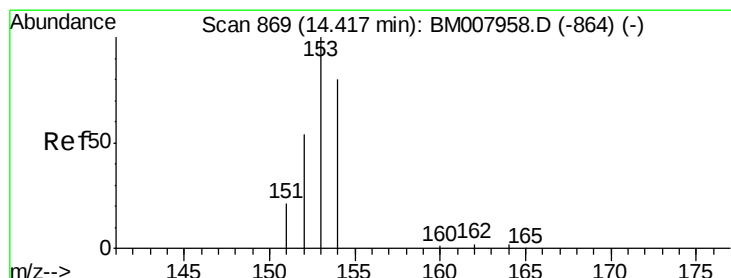
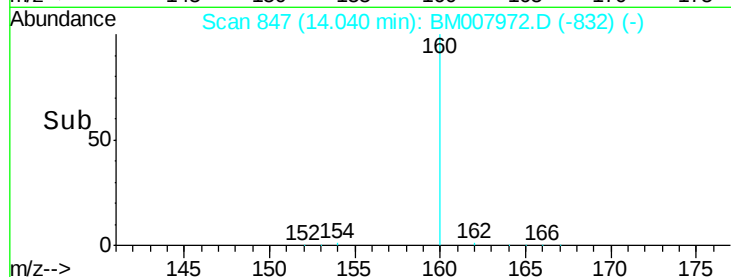
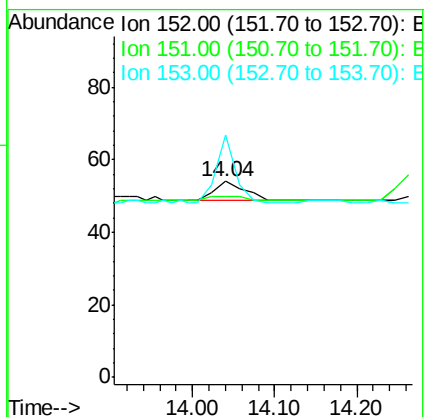
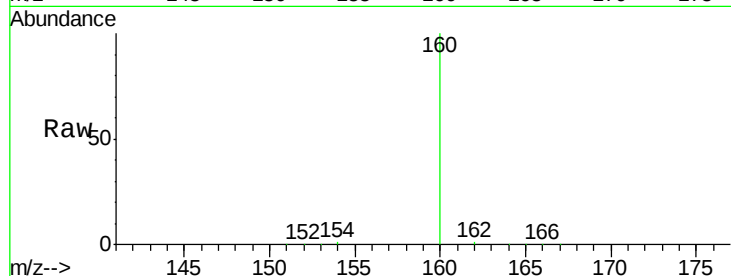
Tgt Ion:152 Resp: 12

Ion Ratio Lower Upper

152 100

151 92.6 17.1 25.7#

153 124.1 12.8 19.2#



#8

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM007972.D

Acq: 21 Nov 2016 23:28

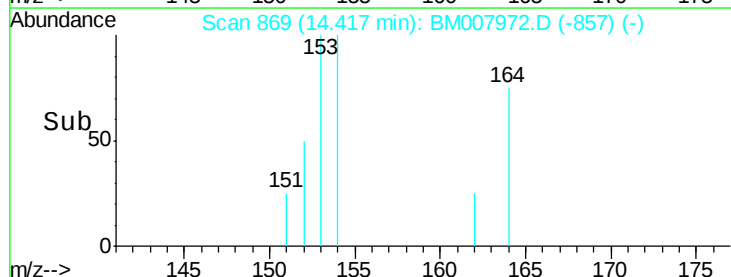
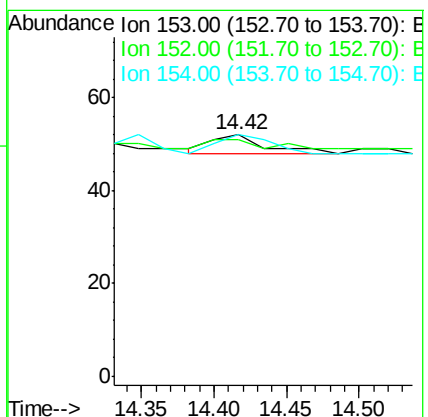
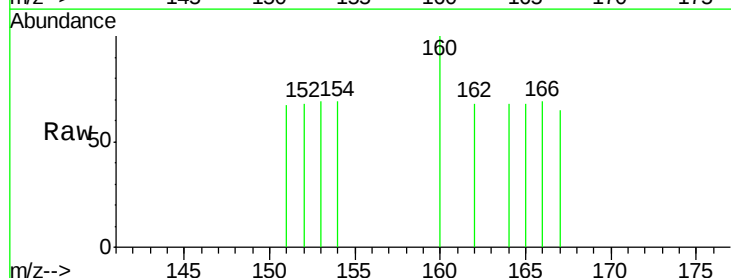
Tgt Ion:153 Resp: 10

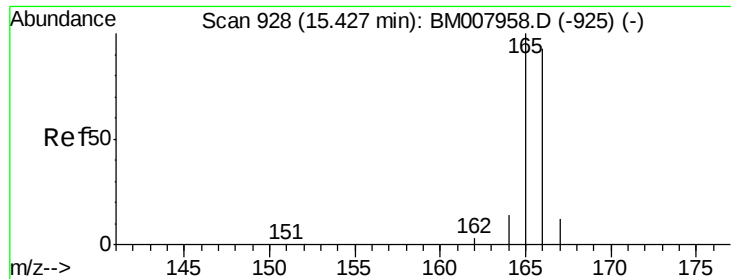
Ion Ratio Lower Upper

153 100

152 98.1 40.3 60.5#

154 100.0 71.4 107.2





#9

Fluorene

Concen: 0.06 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.07 min

Lab File: BM007972.D

Acq: 21 Nov 2016 23:28

Instrument :

BNA_M

ClientSampled :

JHSW0

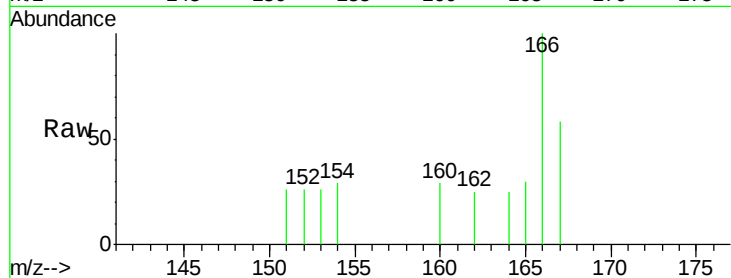
Tgt Ion:166 Resp: 322

Ion Ratio Lower Upper

166 100

165 30.3 73.4 110.2#

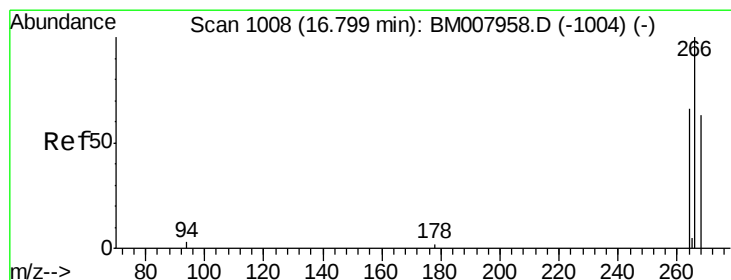
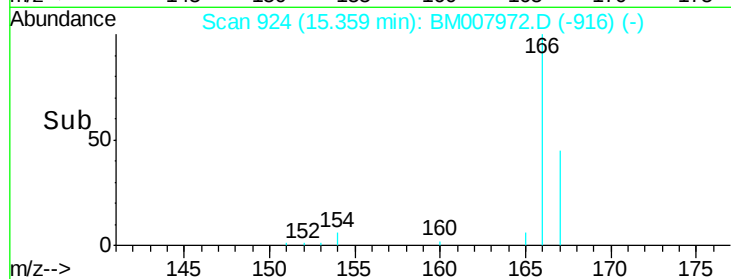
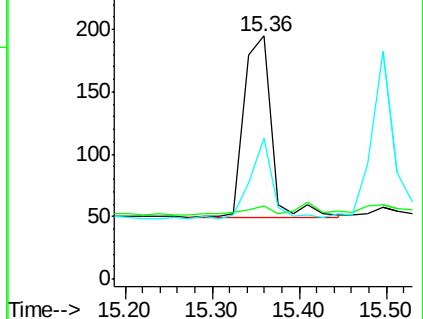
167 57.9 14.6 22.0#



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: 16.95 min Scan# 1017

Delta R.T. 0.15 min

Lab File: BM007972.D

Acq: 21 Nov 2016 23:28

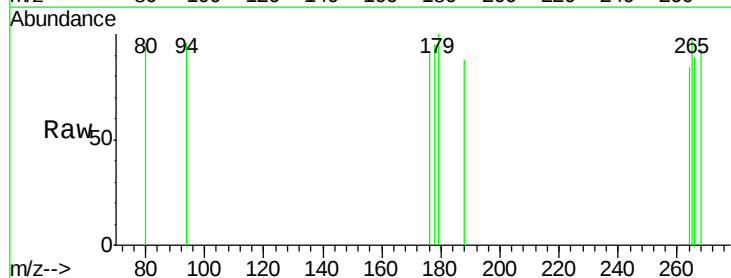
Tgt Ion:266 Resp: 1

Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

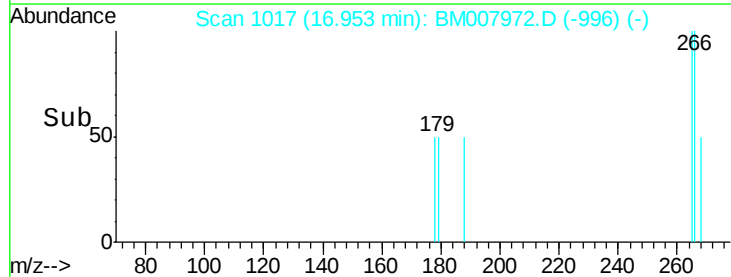
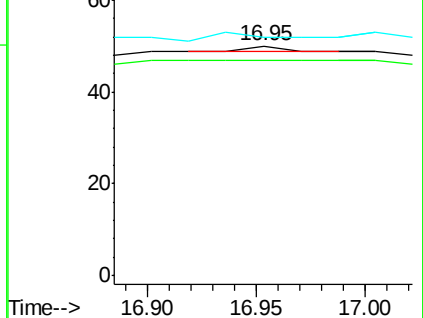
268 400.0 49.8 74.8#

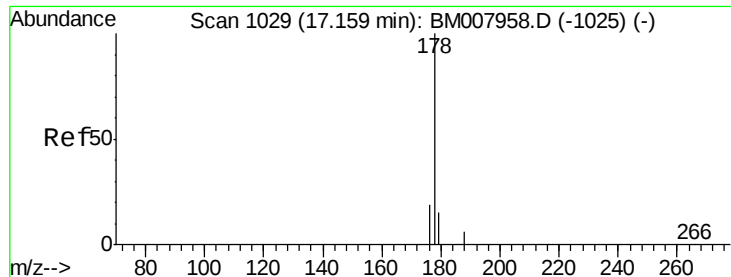


Abundance Ion 266.00 (265.70 to 266.70): E

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: BM007972.D

Acq: 21 Nov 2016 23:28

Instrument :

BNA_M

ClientSampleId :

JHSW0

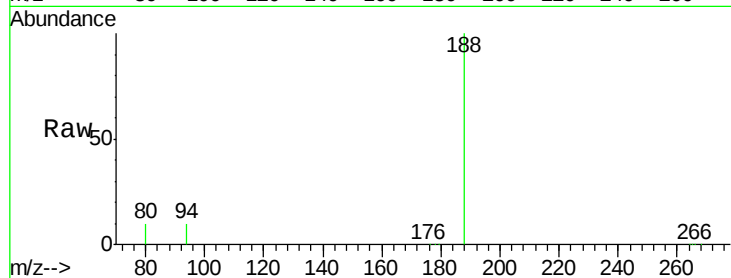
Tgt Ion:178 Resp: 87

Ion Ratio Lower Upper

178 100

176 54.5 18.4 27.6#

179 169.7 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

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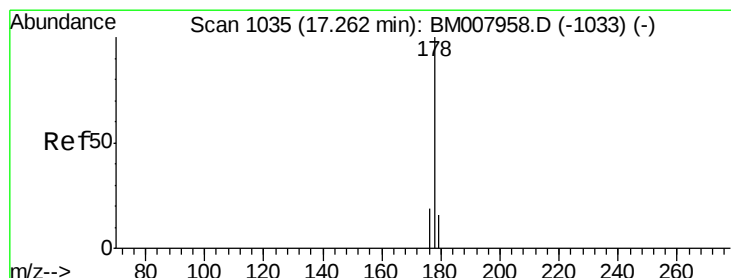
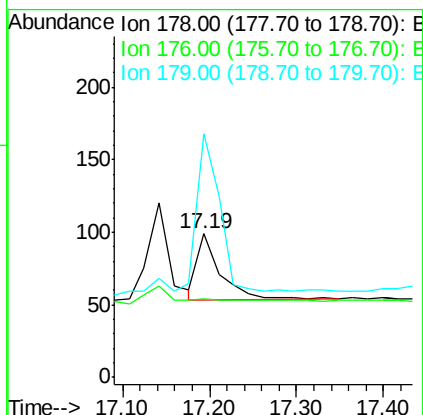
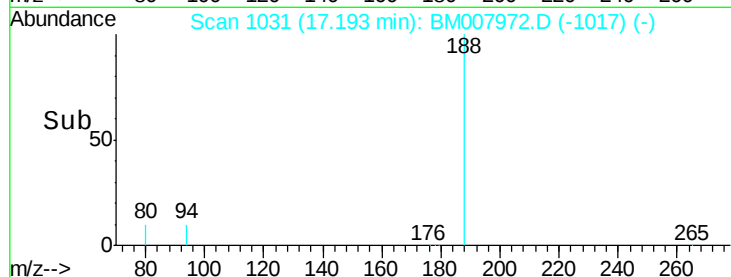
17.19

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#13

Anthracene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. -0.07 min

Lab File: BM007972.D

Acq: 21 Nov 2016 23:28

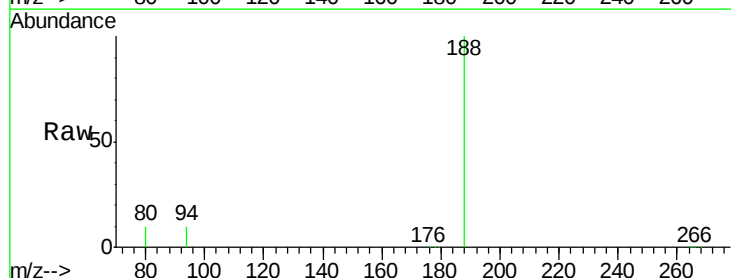
Tgt Ion:178 Resp: 81

Ion Ratio Lower Upper

178 100

176 54.5 18.1 27.1#

179 169.7 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

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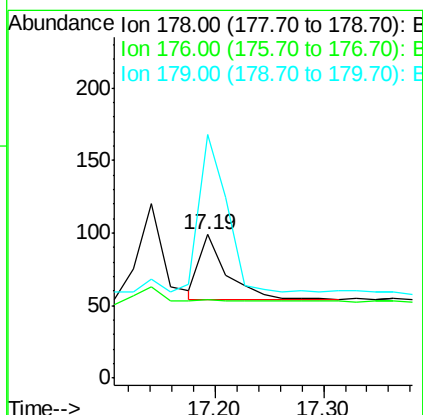
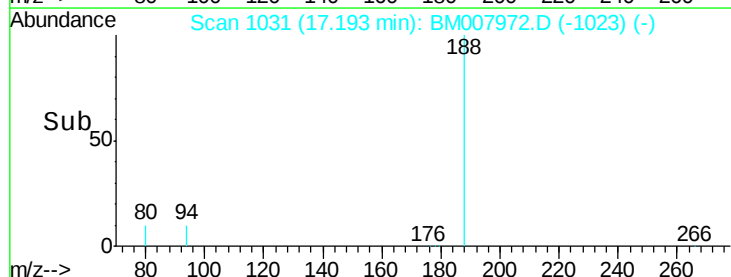
17.19

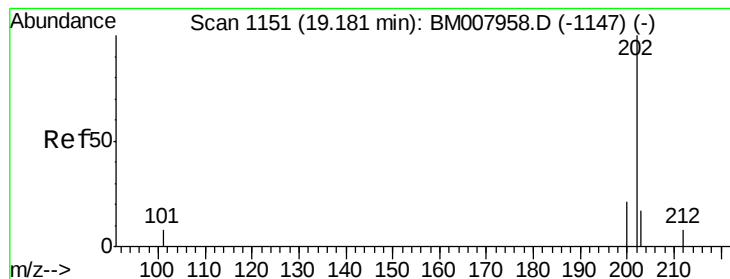
17.19

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17.19





#15

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.31 min Scan# 1162

Delta R.T. 0.13 min

Lab File: BM007972.D

Acq: 21 Nov 2016 23:28

Instrument :

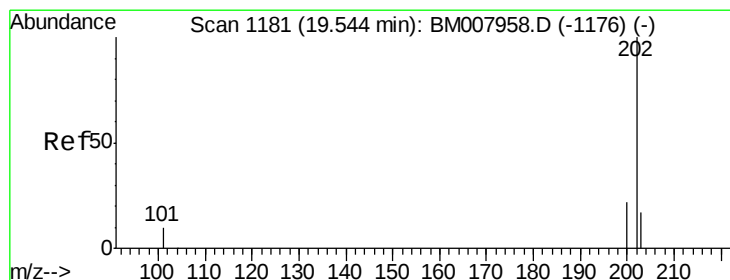
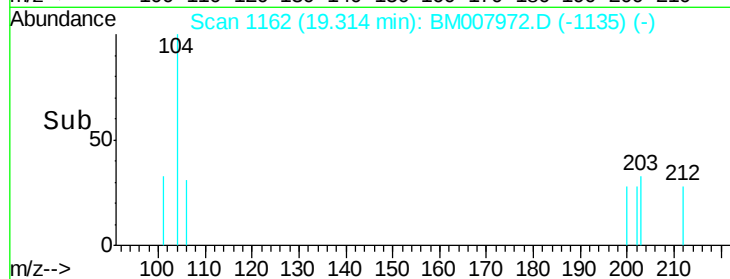
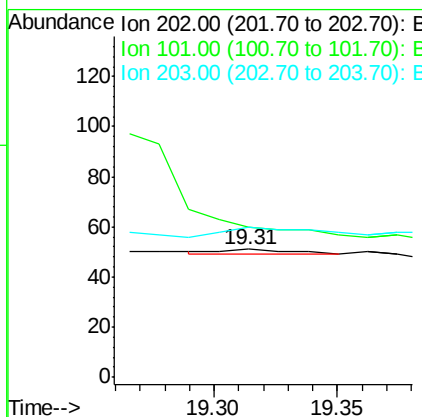
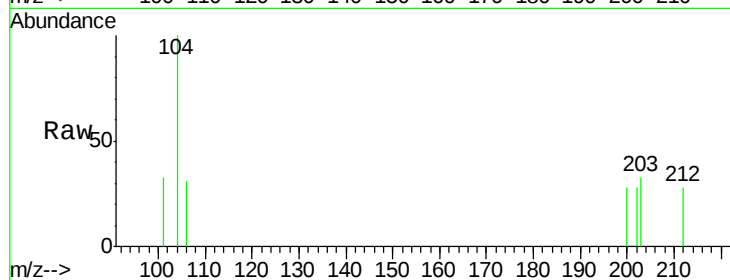
BNA_M

ClientSampleId :

JHSW0

Tgt Ion:202 Resp: 4

Ion	Ratio	Lower	Upper
202	100		
101	117.6	0.0	30.3#
203	117.6	0.0	39.5#



#17

Pyrene

Concen: 0.04 ng/ul

RT: 19.50 min Scan# 1177

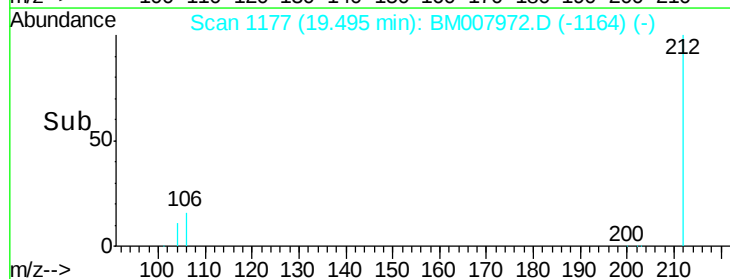
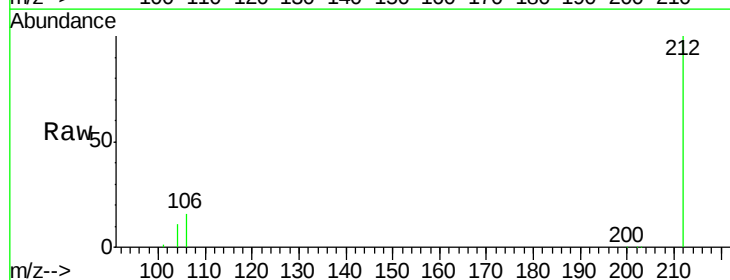
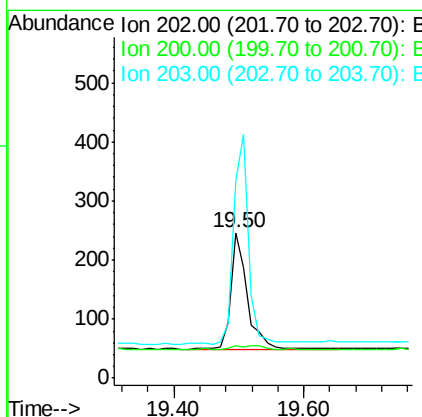
Delta R.T. -0.05 min

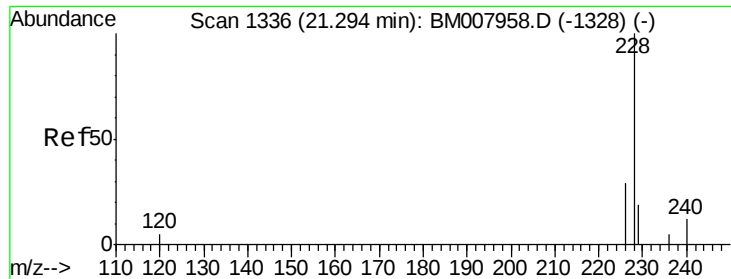
Lab File: BM007972.D

Acq: 21 Nov 2016 23:28

Tgt Ion:202 Resp: 352

Ion	Ratio	Lower	Upper
202	100		
200	22.4	18.2	27.4
203	136.2	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: BM007972.D

Acq: 21 Nov 2016 23:28

Instrument :

BNA_M

ClientSampleId :

JHSW0

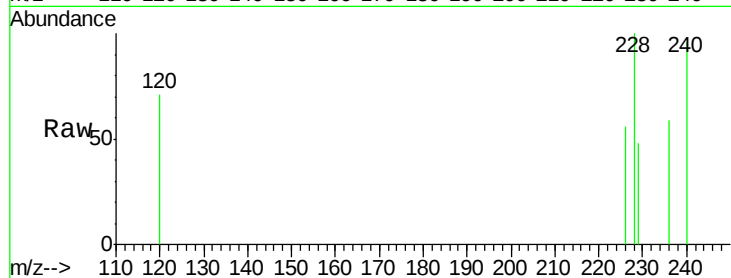
Tgt Ion:228 Resp: 251

Ion Ratio Lower Upper

228 100

226 56.4 22.8 34.2#

229 47.7 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

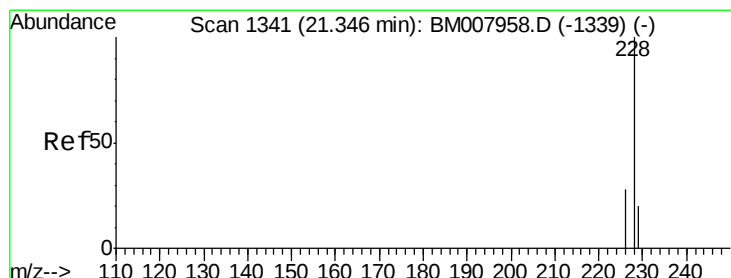
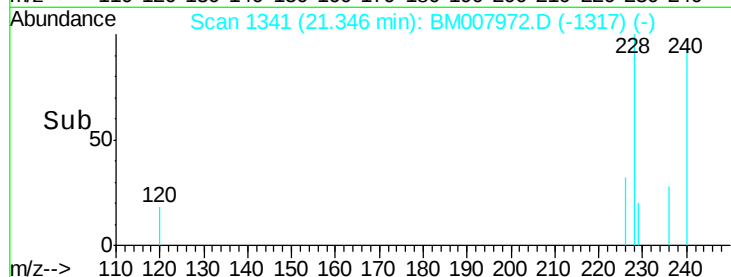
100

50

0

21.20 21.30 21.40

Time-->



#19

Chrysene

Concen: 0.02 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM007972.D

Acq: 21 Nov 2016 23:28

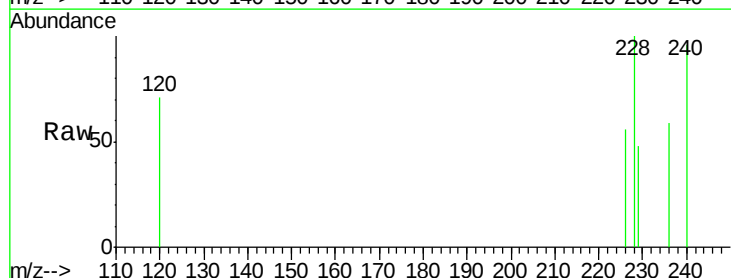
Tgt Ion:228 Resp: 261

Ion Ratio Lower Upper

228 100

226 56.4 23.4 35.0#

229 47.7 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

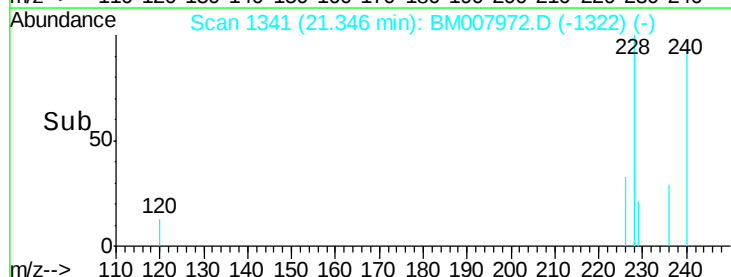
100

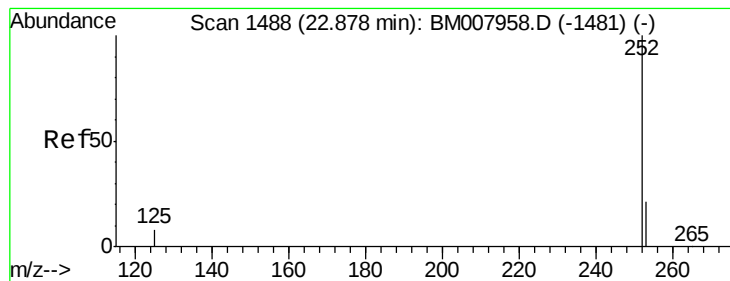
50

0

21.20 21.30 21.40

Time-->





#21

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.71 min Scan# 1472

Delta R.T. -0.17 min

Lab File: BM007972.D

Acq: 21 Nov 2016 23:28

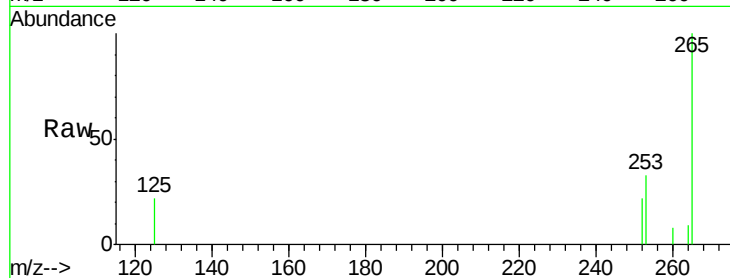
Instrument :

BNA_M

ClientSampleId :

JHSW0

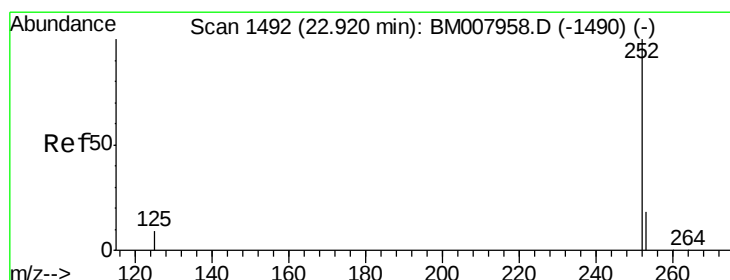
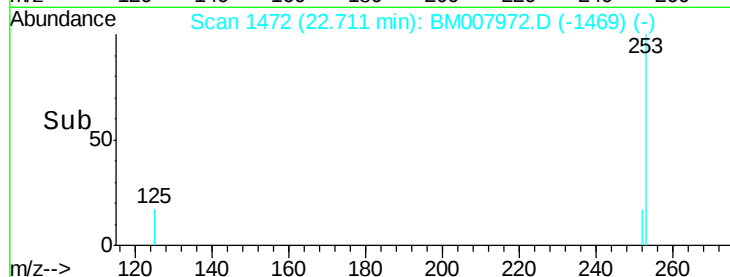
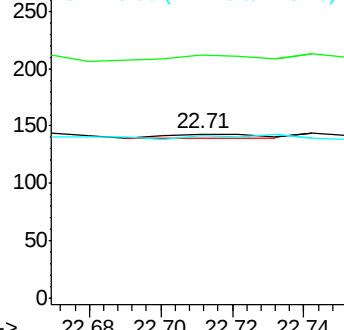
Tgt Ion:	252	Resp:	8
Ion	Ratio	Lower	Upper
252	100		
253	148.3	0.0	64.2#
125	99.3	0.0	35.0#



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/u1

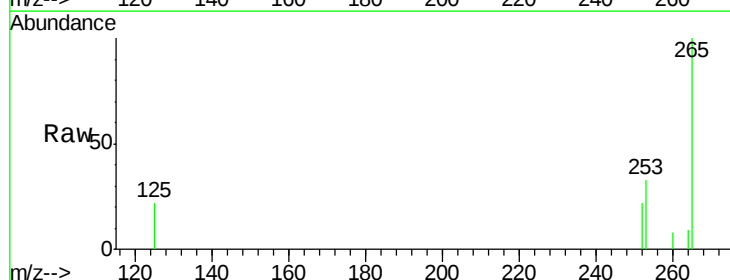
RT: 22.71 min Scan# 1472

Delta R.T. -0.21 min

Lab File: BM007972.D

Acq: 21 Nov 2016 23:28

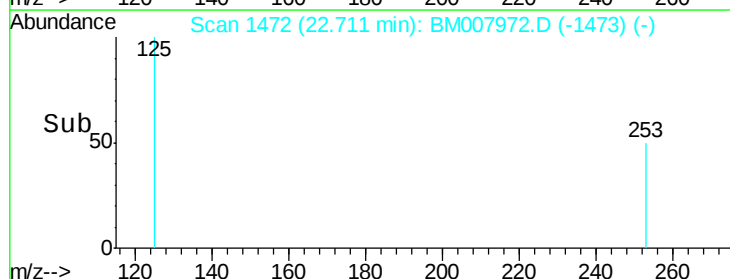
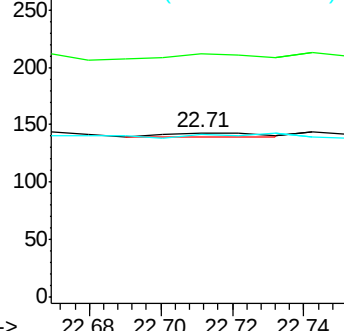
Tgt Ion:	252	Resp:	8
Ion	Ratio	Lower	Upper
252	100		
253	148.3	24.5	36.7#
125	99.3	13.7	20.5#

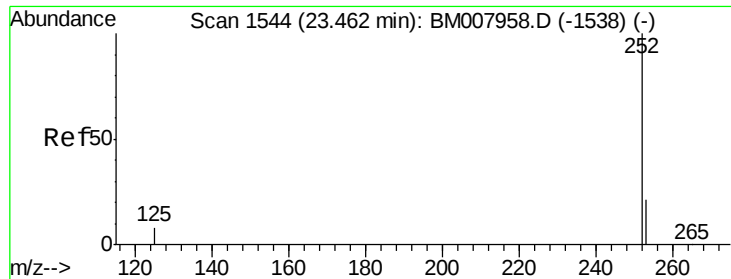


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.39 min Scan# 1537

Delta R.T. -0.07 min

Lab File: BM007972.D

Acq: 21 Nov 2016 23:28

Instrument :

BNA_M

ClientSampleId :

JHSW0

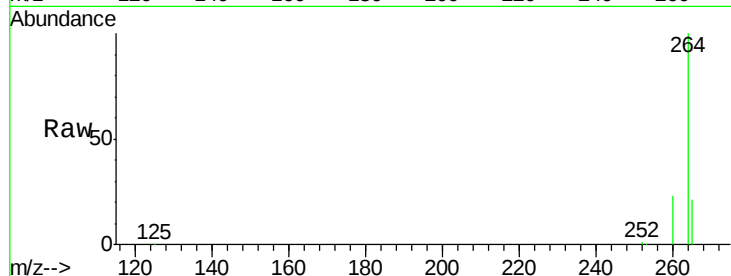
Tgt Ion:252 Resp: 699

Ion Ratio Lower Upper

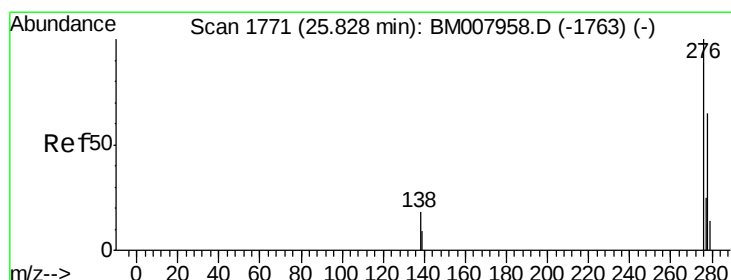
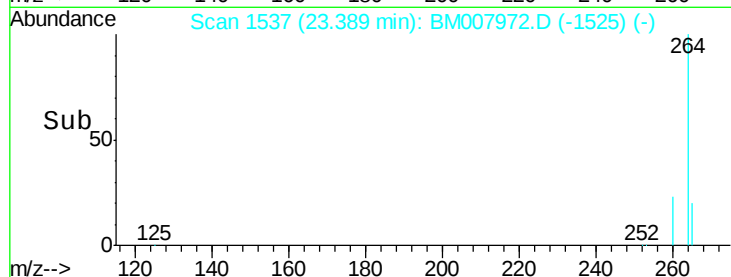
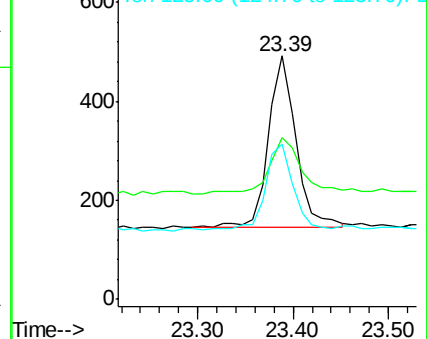
252 100

253 66.3 28.5 42.7#

125 64.0 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/u1

RT: 25.55 min Scan# 1744

Delta R.T. -0.28 min

Lab File: BM007972.D

Acq: 21 Nov 2016 23:28

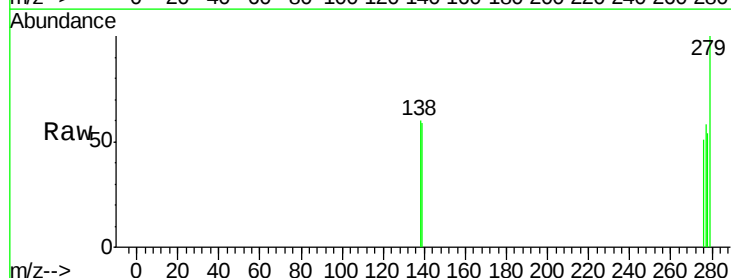
Tgt Ion:276 Resp: 913

Ion Ratio Lower Upper

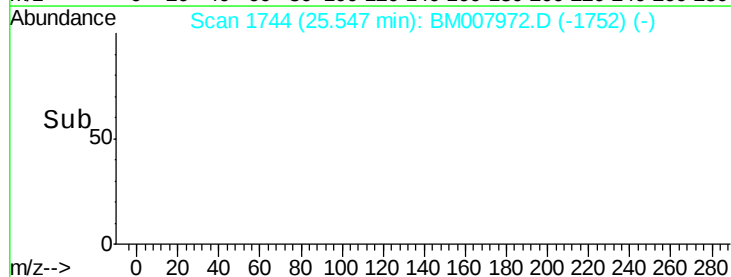
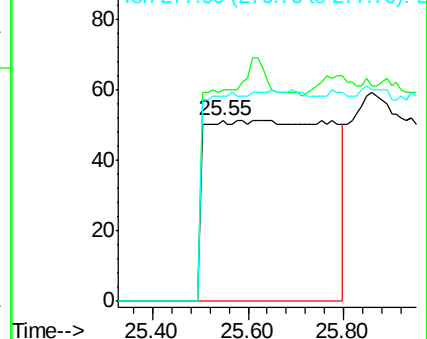
276 100

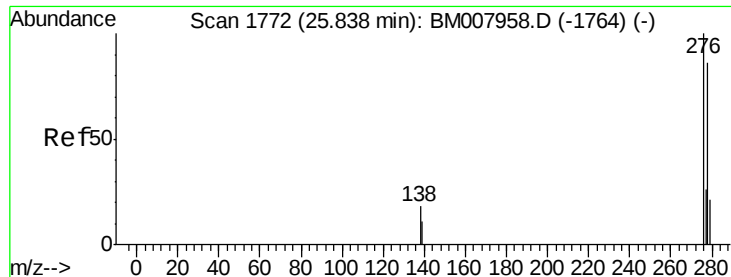
138 0.0 19.1 28.7#

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

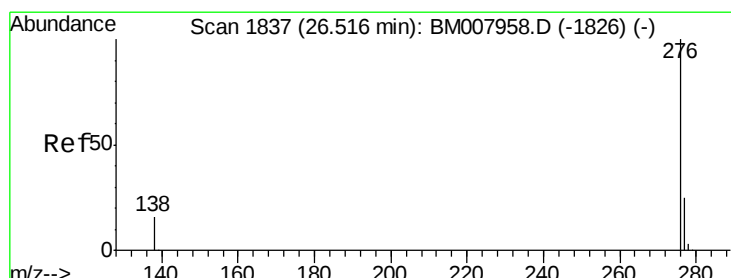
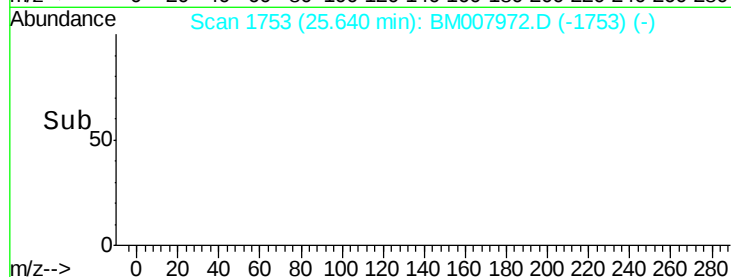
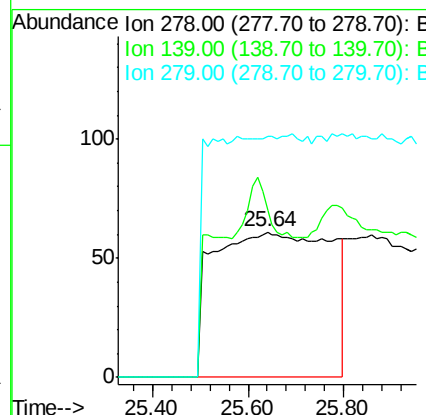
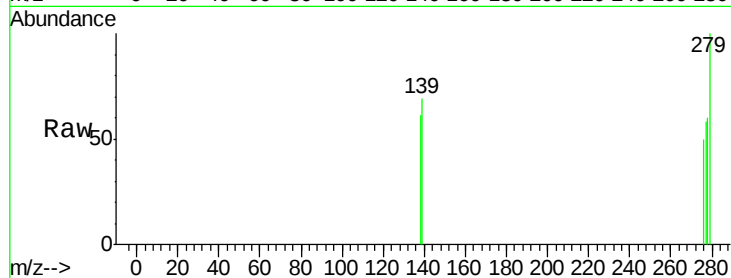




#25
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.64 min Scan# 1753
Delta R.T. -0.20 min
Lab File: BM007972.D
Acq: 21 Nov 2016 23:28

Instrument :
BNA_M
ClientSampleId :
JHSW0

Tgt Ion: 278 Resp: 1036
Ion Ratio Lower Upper
278 100
139 114.8 17.4 26.0#
279 165.6 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.34 min Scan# 1820
Delta R.T. -0.18 min
Lab File: BM007972.D
Acq: 21 Nov 2016 23:28

Tgt Ion: 276 Resp: 4
Ion Ratio Lower Upper
276 100
277 111.8 21.8 32.8#
138 115.7 20.5 30.7#

