

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112116\
 Data File : BM007981.D
 Acq On : 22 Nov 2016 04:48
 Operator : UM/SJ
 Sample : H5694-10MSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSR7MSD

Quant Time: Nov 22 05:52:30 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	692	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.50	136	2270	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1383	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.19	188	127480	0.40	ng/ul	0.07
16) Chrysene-d12	21.31	240	2785	0.40	ng/ul	0.00
20) Perylene-d12	23.55	264	2954	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	663	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.14	212	1526	0.00	ng/ul	-0.01

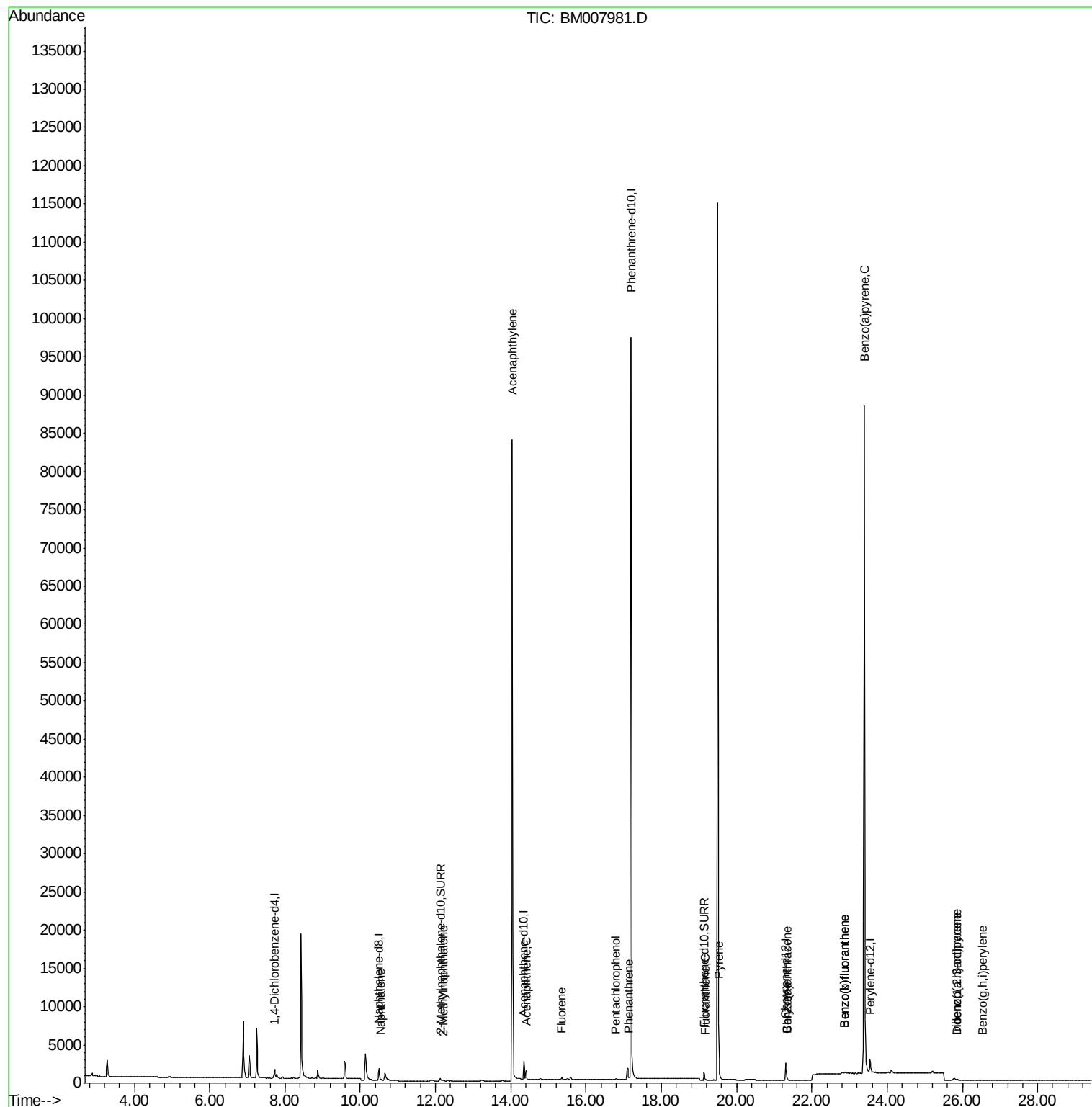
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	290	0.05	ng/ul#	20
5) 2-Methylnaphthalene	12.19	142	23	0.01	ng/ul	99
7) Acenaphthylene	14.04	152	29	0.00	ng/ul#	1
8) Acenaphthene	14.42	153	918	0.19	ng/ul	95
9) Fluorene	15.34	166	290	0.05	ng/ul#	41
11) Pentachlorophenol	16.80	266	50	0.00	ng/ul#	75
12) Phenanthrene	17.14	178	224	0.00	ng/ul#	48
15) Fluoranthene	19.17	202	112	0.00	ng/ul#	1
17) Pyrene	19.52	202	2553	0.26	ng/ul	96
18) Benzo(a)anthracene	21.35	228	280	0.03	ng/ul#	51
19) Chrysene	21.35	228	286	0.03	ng/ul#	53
21) Benzo(b)fluoranthene	22.87	252	233	0.02	ng/ul#	1
22) Benzo(k)fluoranthene	22.87	252	244	0.02	ng/ul#	1
23) Benzo(a)pyrene	23.39	252	550	0.05	ng/ul#	20
24) Indeno(1,2,3-cd)pyrene	25.85	276	39	0.00	ng/ul#	59
25) Dibenzo(a,h)anthracene	25.86	278	27	0.00	ng/ul#	1
26) Benzo(g,h,i)perylene	26.54	276	37	0.00	ng/ul#	1

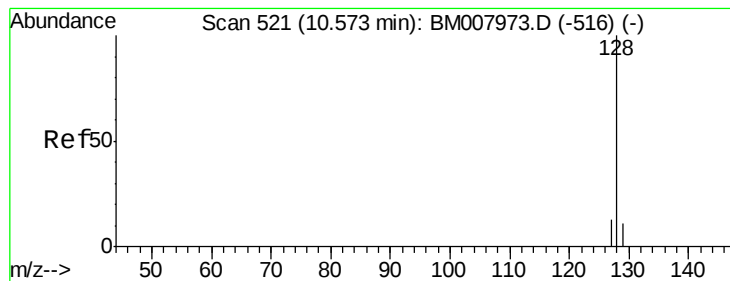
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.05 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.02 min

Lab File: BM007981.D

Acq: 22 Nov 2016 04:48

Instrument :

BNA_M

ClientSampleId :

JHSR7MSD

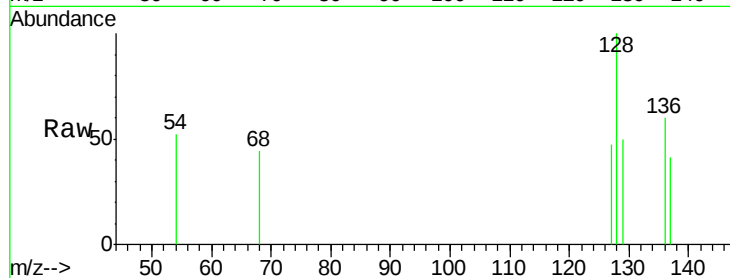
Tgt Ion:128 Resp: 290

Ion Ratio Lower Upper

128 100

129 50.0 11.3 16.9#

127 46.8 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

10.55

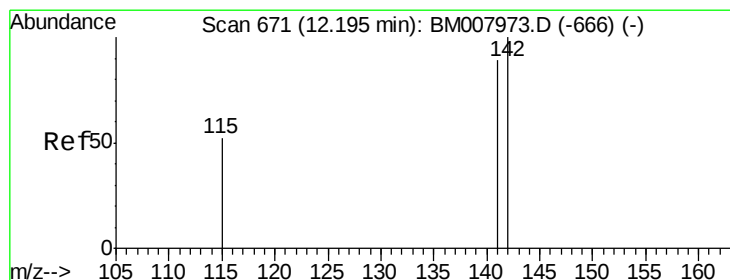
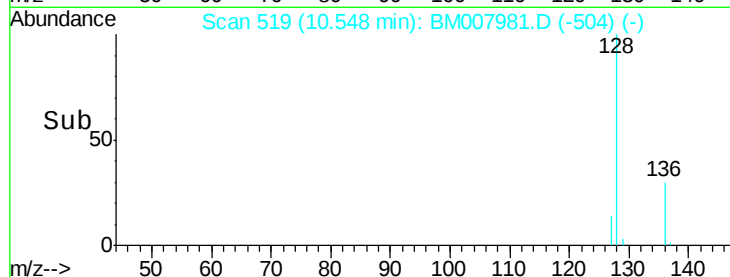
150

100

50

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.19 min Scan# 671

Delta R.T. 0.00 min

Lab File: BM007981.D

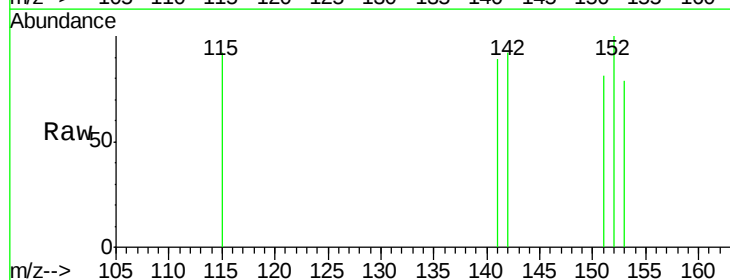
Acq: 22 Nov 2016 04:48

Tgt Ion:142 Resp: 23

Ion Ratio Lower Upper

142 100

141 91.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.19

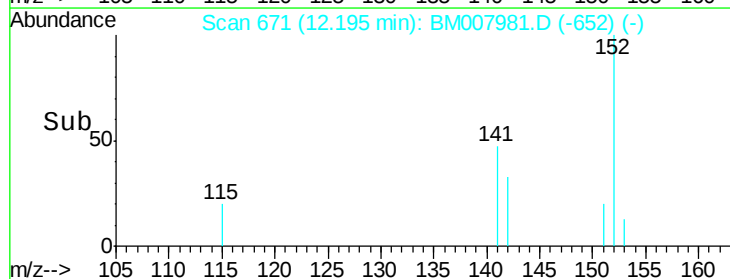
60

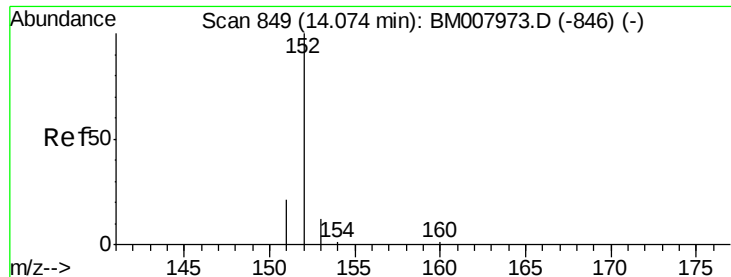
40

20

0

Time-->





#7

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.03 min

Lab File: BM007981.D

Acq: 22 Nov 2016 04:48

Instrument :

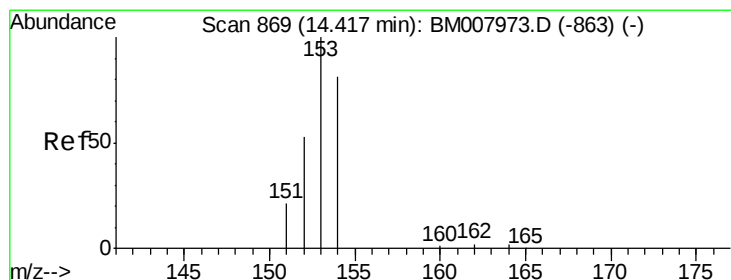
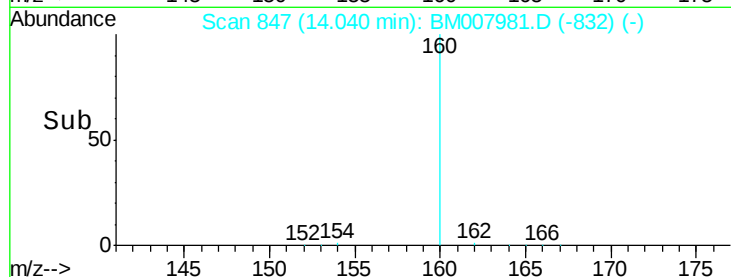
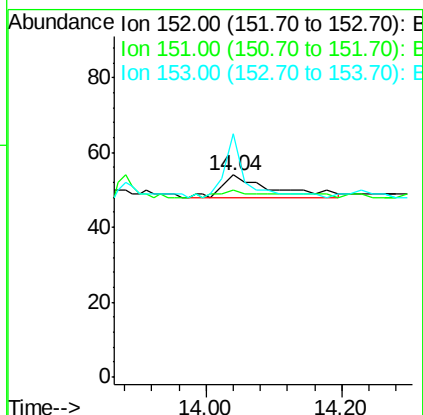
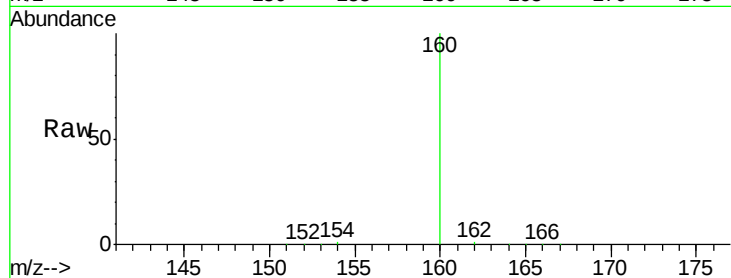
BNA_M

ClientSampleId :

JHSR7MSD

Tgt Ion:152 Resp: 29

Ion	Ratio	Lower	Upper
152	100		
151	92.6	17.1	25.7#
153	120.4	12.8	19.2#



#8

Acenaphthene

Concen: 0.19 ng/ul

RT: 14.42 min Scan# 869

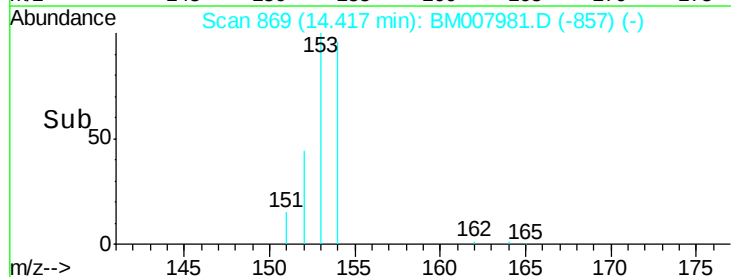
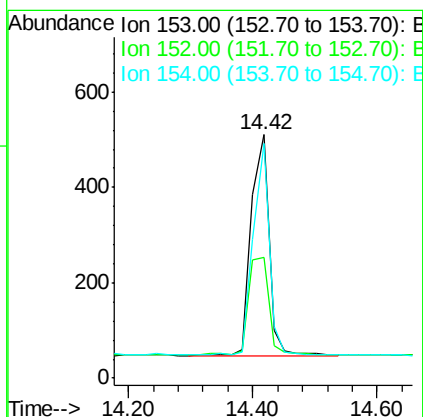
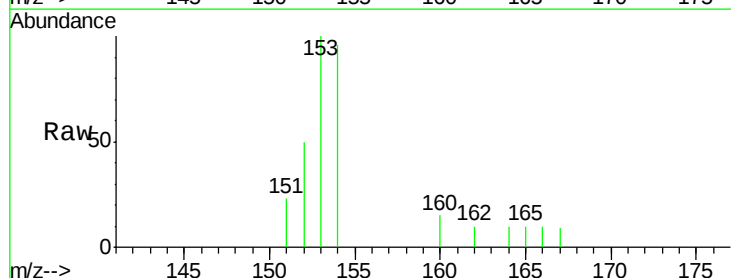
Delta R.T. 0.00 min

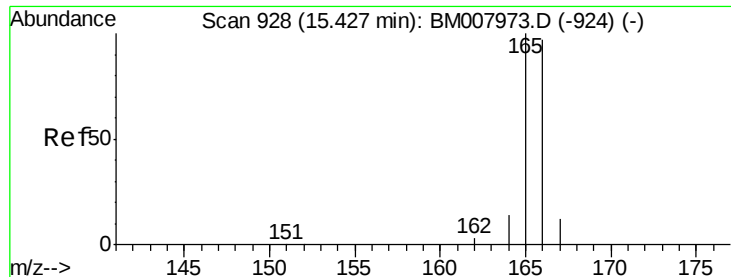
Lab File: BM007981.D

Acq: 22 Nov 2016 04:48

Tgt Ion:153 Resp: 918

Ion	Ratio	Lower	Upper
153	100		
152	49.5	40.3	60.5
154	96.3	71.4	107.2





#9

Fluorene

Concen: 0.05 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.09 min

Lab File: BM007981.D

Acq: 22 Nov 2016 04:48

Instrument :

BNA_M

ClientSampleId :

JHSR7MSD

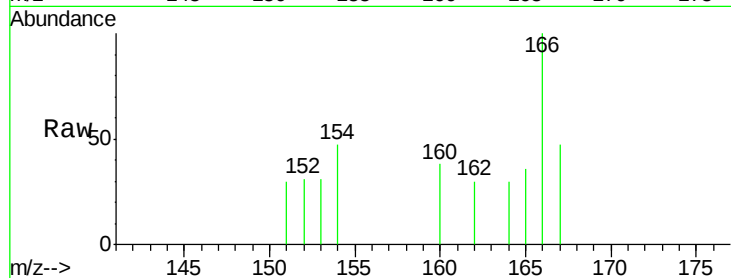
Tgt Ion:166 Resp: 290

Ion Ratio Lower Upper

166 100

165 36.4 73.4 110.2#

167 46.7 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

15.34

150

100

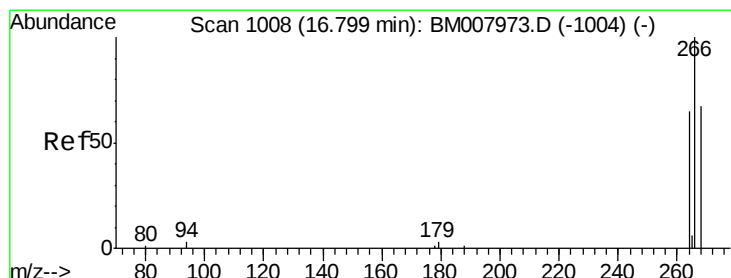
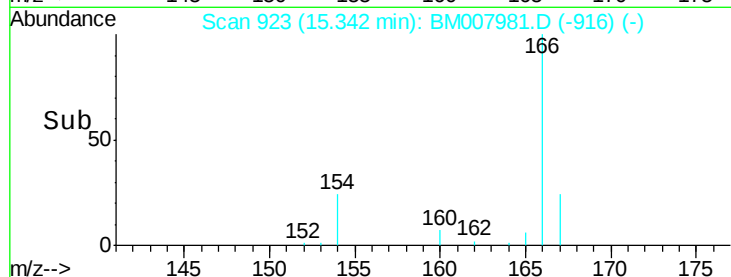
50

0

15.20

15.40

Time-->



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.80 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BM007981.D

Acq: 22 Nov 2016 04:48

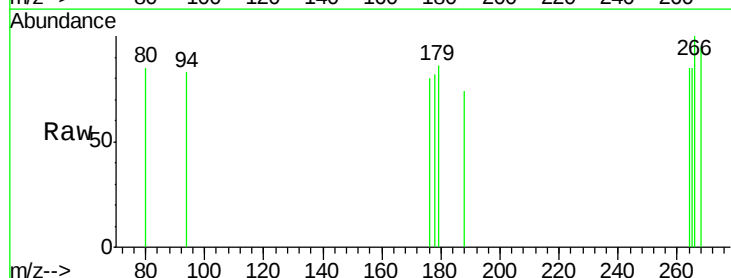
Tgt Ion:266 Resp: 50

Ion Ratio Lower Upper

266 100

264 74.0 47.9 71.9#

268 86.0 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

16.80

80

60

40

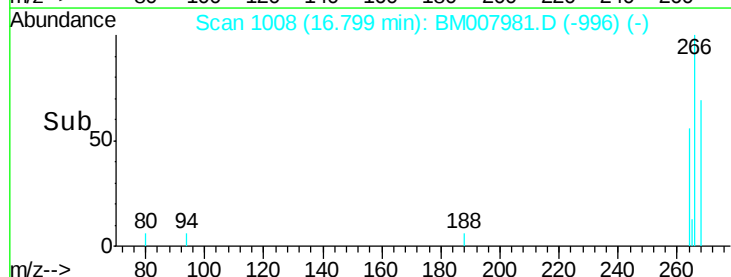
20

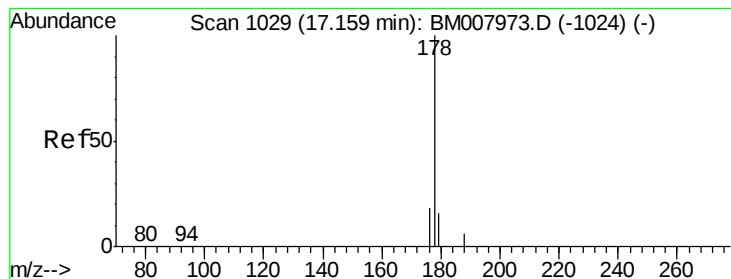
0

16.80

17.00

Time-->





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.02 min

Lab File: BM007981.D

Acq: 22 Nov 2016 04:48

Instrument :

BNA_M

ClientSampleId :

JHSR7MSD

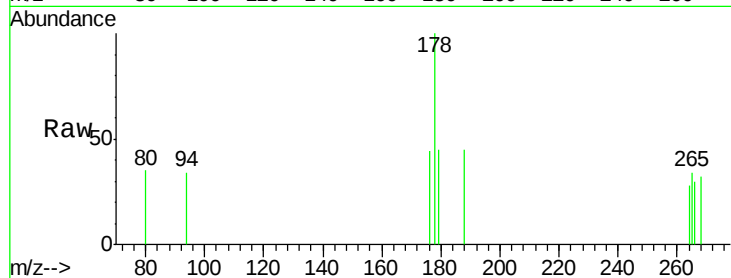
Tgt Ion:178 Resp: 224

Ion Ratio Lower Upper

178 100

176 43.6 18.4 27.6#

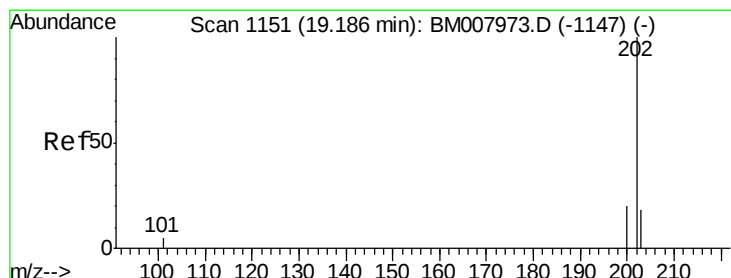
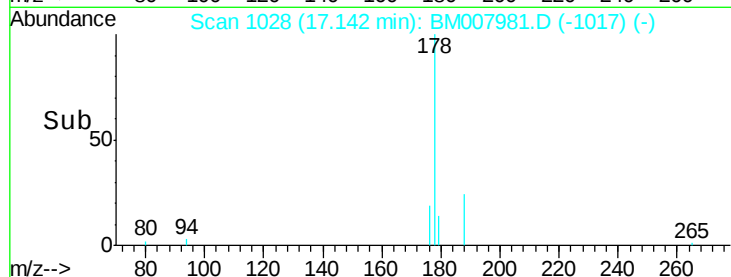
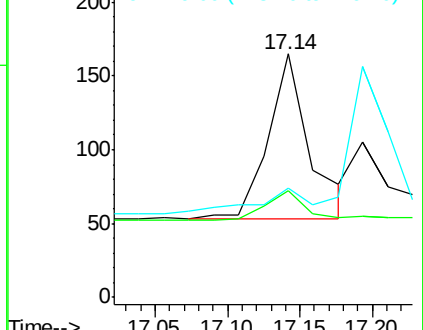
179 44.8 13.6 20.4#



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



#15

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BM007981.D

Acq: 22 Nov 2016 04:48

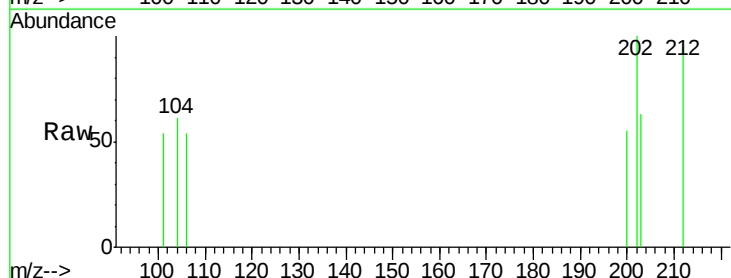
Tgt Ion:202 Resp: 112

Ion Ratio Lower Upper

202 100

101 54.3 0.0 30.3#

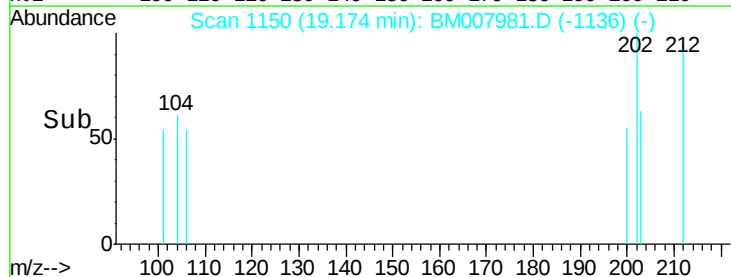
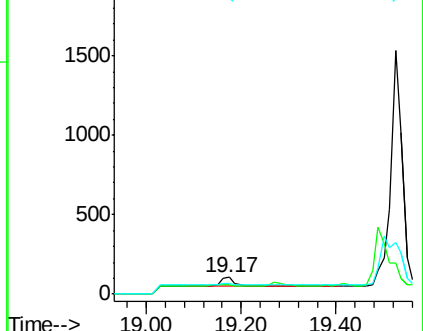
203 62.9 0.0 39.5#

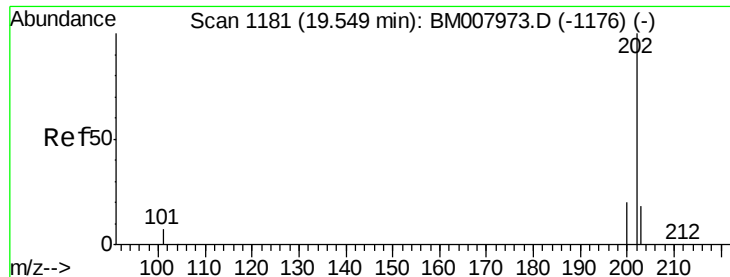


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pyrene

Concen: 0.26 ng/ul

RT: 19.52 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BM007981.D

Acq: 22 Nov 2016 04:48

Instrument :

BNA_M

ClientSampleId :

JHSR7MSD

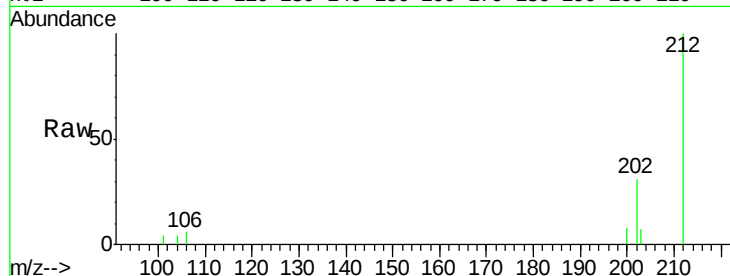
Tgt Ion:202 Resp: 2553

Ion Ratio Lower Upper

202 100

200 24.7 18.2 27.4

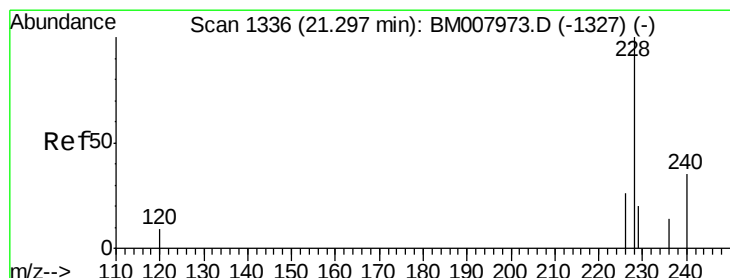
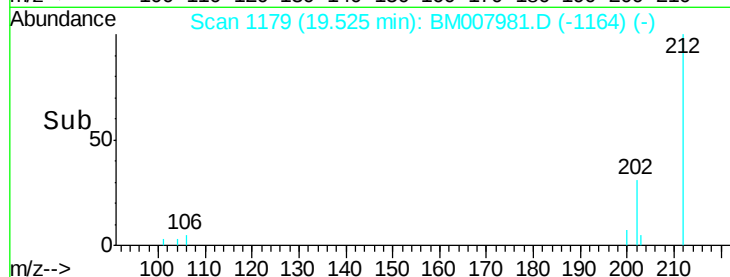
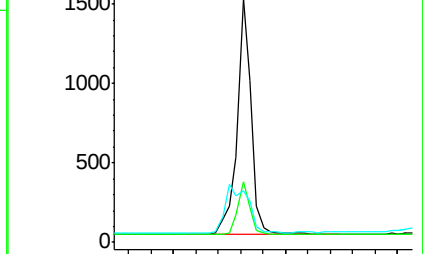
203 21.0 15.6 23.4



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



#18

Benzo(a)anthracene

Concen: 0.03 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.05 min

Lab File: BM007981.D

Acq: 22 Nov 2016 04:48

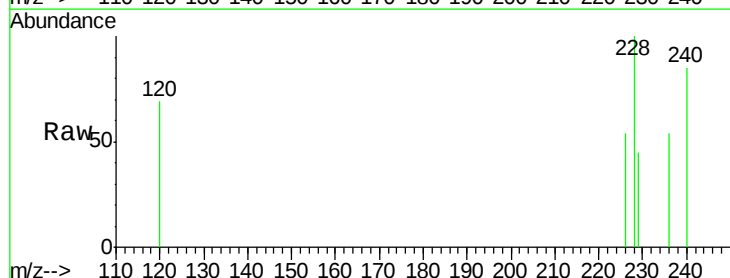
Tgt Ion:228 Resp: 280

Ion Ratio Lower Upper

228 100

226 53.5 22.8 34.2#

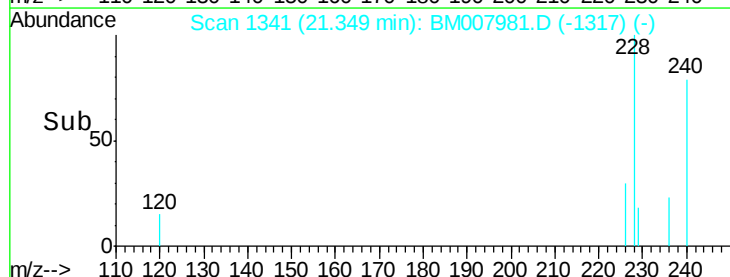
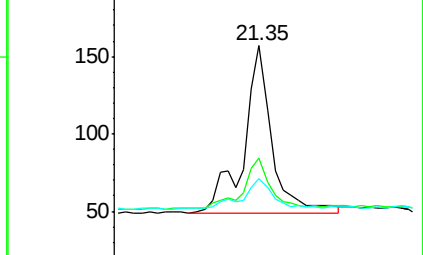
229 45.2 17.0 25.6#

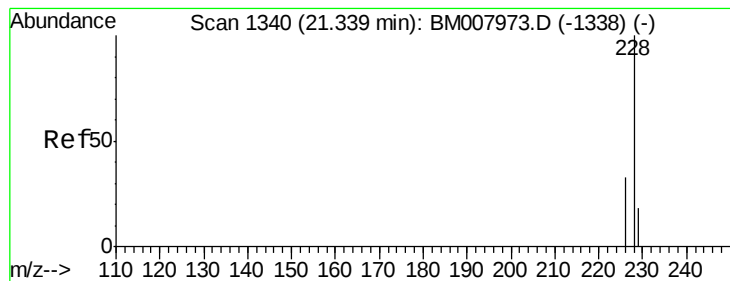


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#19

Chrysene

Concen: 0.03 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.01 min

Lab File: BM007981.D

Acq: 22 Nov 2016 04:48

Instrument :

BNA_M

ClientSampleId :

JHSR7MSD

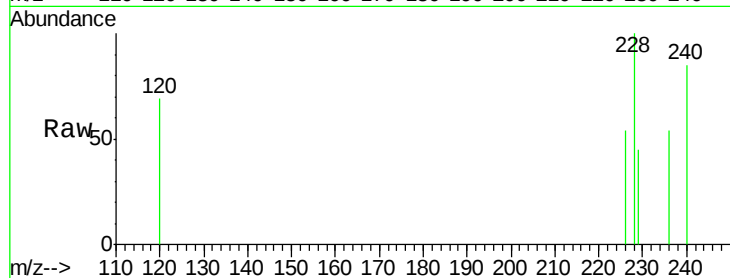
Tgt Ion:228 Resp: 286

Ion Ratio Lower Upper

228 100

226 53.5 23.4 35.0#

229 45.2 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

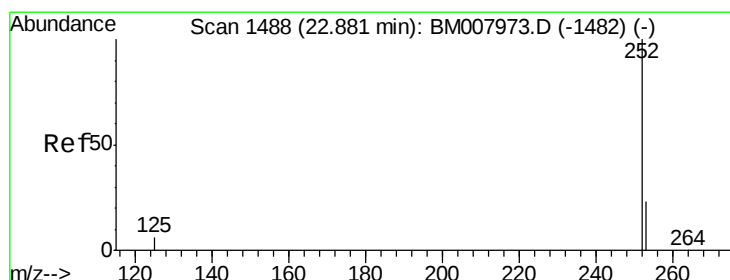
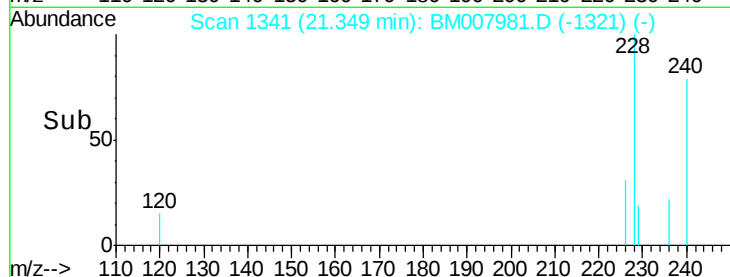
150

100

50

0

Time--> 21.20 21.40



#21

Benzo(b)fluoranthene

Concen: 0.02 ng/ul

RT: 22.87 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BM007981.D

Acq: 22 Nov 2016 04:48

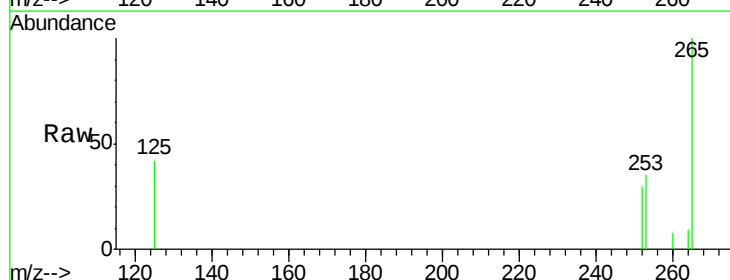
Tgt Ion:252 Resp: 233

Ion Ratio Lower Upper

252 100

253 116.8 0.0 64.2#

125 140.8 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

22.87

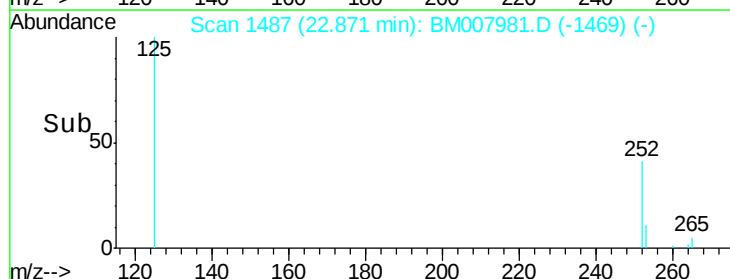
300

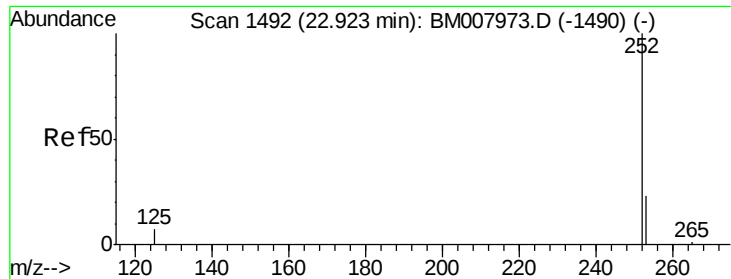
200

100

0

Time--> 22.80 23.00





#22

Benzo(k)fluoranthene

Concen: 0.02 ng/u1

RT: 22.87 min Scan# 1487

Delta R.T. -0.05 min

Lab File: BM007981.D

Acq: 22 Nov 2016 04:48

Instrument :

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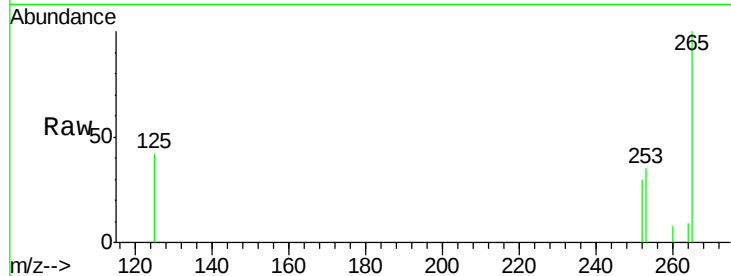
Tgt Ion:252 Resp: 244

Ion Ratio Lower Upper

252 100

253 116.8 24.5 36.7#

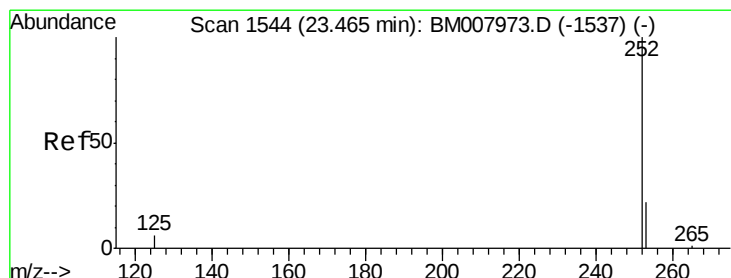
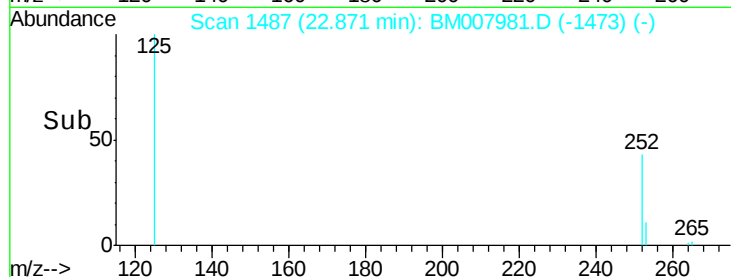
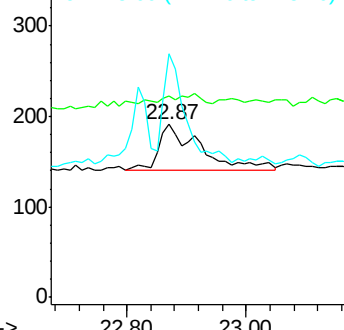
125 140.8 13.7 20.5#



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: 0.05 ng/u1

RT: 23.39 min Scan# 1537

Delta R.T. -0.07 min

Lab File: BM007981.D

Acq: 22 Nov 2016 04:48

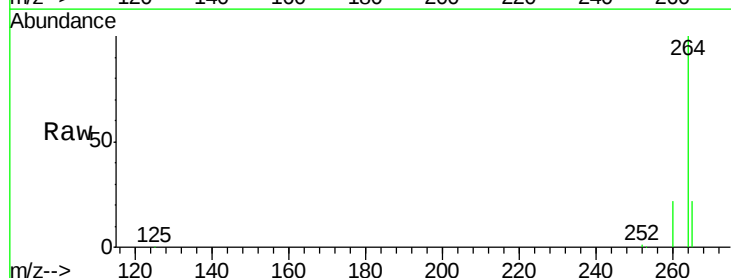
Tgt Ion:252 Resp: 550

Ion Ratio Lower Upper

252 100

253 78.2 28.5 42.7#

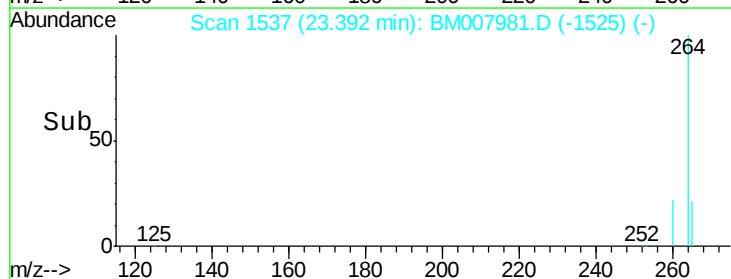
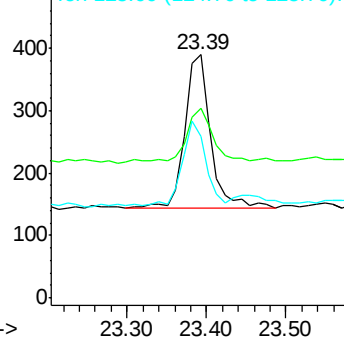
125 66.2 18.1 27.1#

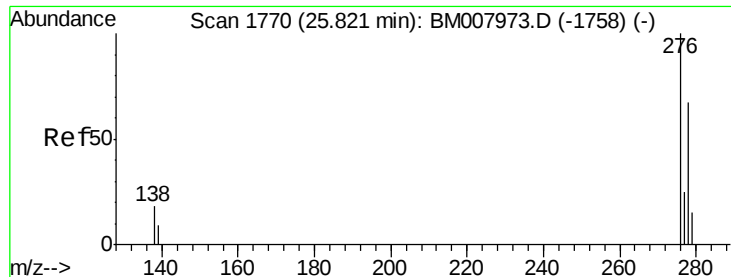


Abundance Ion 252.00 (251.70 to 252.70): E

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: 25.85 min Scan# 1773

Delta R.T. 0.03 min

Lab File: BM007981.D

Acq: 22 Nov 2016 04:48

Instrument :

BNA_M

ClientSampleId :

JHSR7MSD

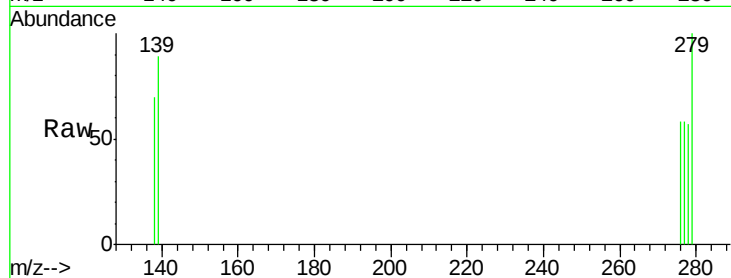
Tgt Ion: 276 Resp: 39

Ion Ratio Lower Upper

276 100

138 0.0 19.1 28.7#

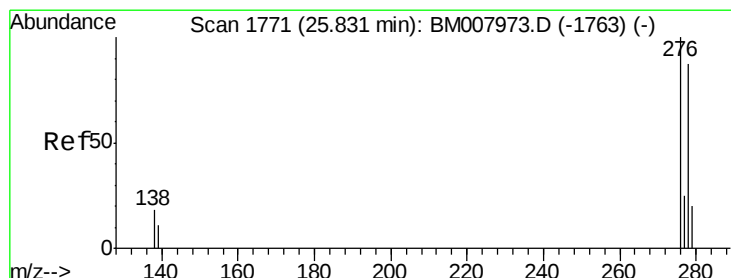
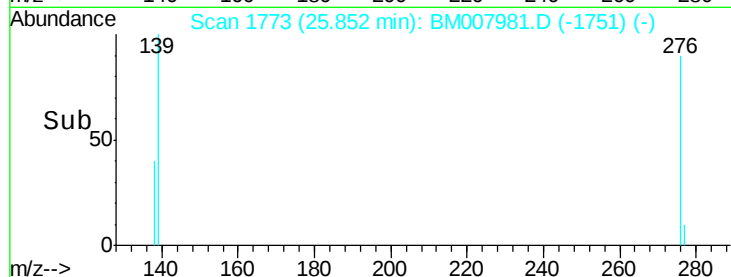
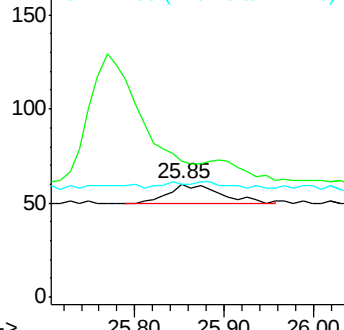
277 41.0 19.6 29.4#



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: 25.86 min Scan# 1774

Delta R.T. 0.03 min

Lab File: BM007981.D

Acq: 22 Nov 2016 04:48

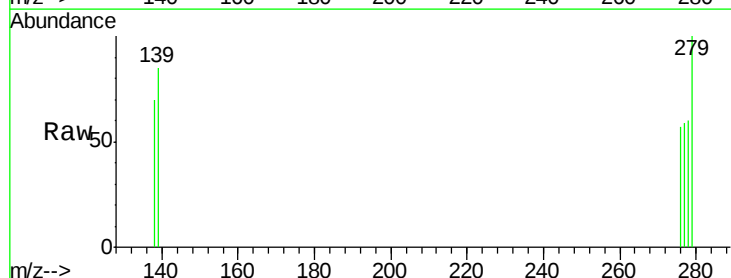
Tgt Ion: 278 Resp: 27

Ion Ratio Lower Upper

278 100

139 142.6 17.4 26.0#

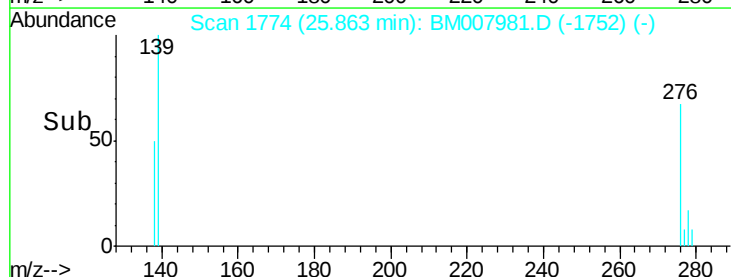
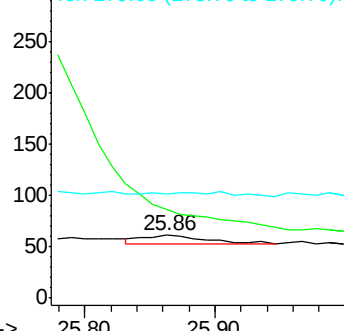
279 167.2 25.9 38.9#

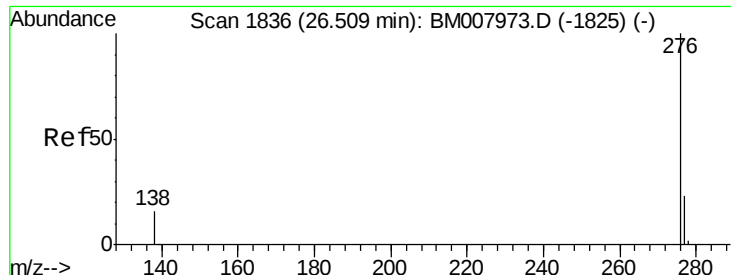


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.54 min Scan# 1839

Delta R.T. 0.03 min

Lab File: BM007981.D

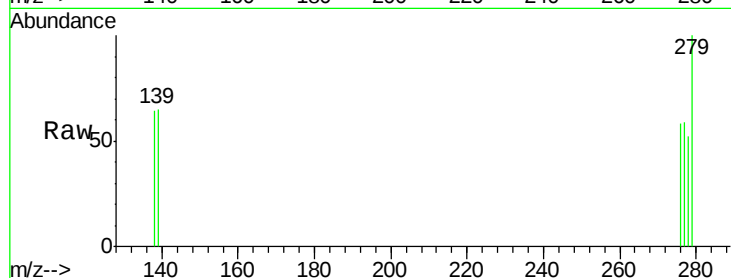
Acq: 22 Nov 2016 04:48

Instrument :

BNA_M

ClientSampleId :

JHSR7MSD



Tgt Ion: 276 Resp: 37

Ion Ratio Lower Upper

276 100

277 101.7 21.8 32.8#

138 110.2 20.5 30.7#

