

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112116\
 Data File : BM007976.D
 Acq On : 22 Nov 2016 01:50
 Operator : UM/SJ
 Sample : H5694-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSR4

Quant Time: Nov 22 05:51:36 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	598	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.50	136	1963	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1264	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.19	188	109998	0.40	ng/ul	0.07
16) Chrysene-d12	21.30	240	2743	0.40	ng/ul	0.00
20) Perylene-d12	23.55	264	2804	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	615	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.14	212	1394	0.00	ng/ul	0.00

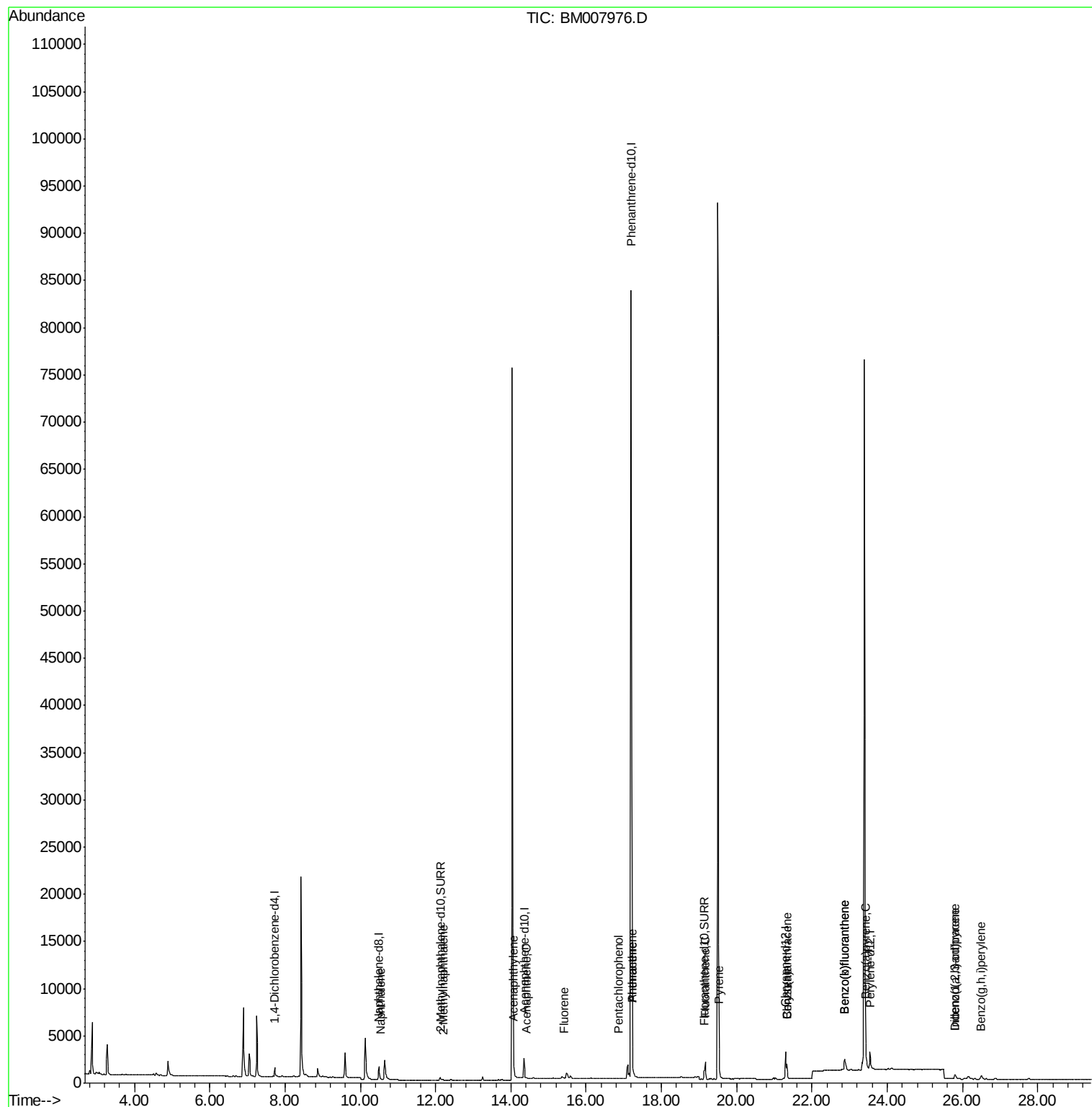
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	129	0.02	ng/ul#	22
5) 2-Methylnaphthalene	12.19	142	98	0.03	ng/ul	95
7) Acenaphthylene	14.07	152	119	0.02	ng/ul#	12
8) Acenaphthene	14.42	153	20	0.00	ng/ul#	72
9) Fluorene	15.41	166	26	0.01	ng/ul#	66
11) Pentachlorophenol	16.87	266	6	0.00	ng/ul#	20
12) Phenanthrene	17.23	178	254	0.00	ng/ul#	39
13) Anthracene	17.23	178	243	0.00	ng/ul#	40
15) Fluoranthene	19.17	202	1806	0.00	ng/ul	97
17) Pyrene	19.53	202	2350	0.25	ng/ul	96
18) Benzo(a)anthracene	21.34	228	1688	0.20	ng/ul	90
19) Chrysene	21.34	228	1669	0.16	ng/ul	92
21) Benzo(b)fluoranthene	22.87	252	2613	0.23	ng/ul	77
22) Benzo(k)fluoranthene	22.87	252	2613	0.23	ng/ul#	75
23) Benzo(a)pyrene	23.43	252	833	0.08	ng/ul#	65
24) Indeno(1,2,3-cd)pyrene	25.81	276	798	0.06	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.81	278	223	0.02	ng/ul#	1
26) Benzo(g,h,i)perylene	26.50	276	814	0.07	ng/ul#	75

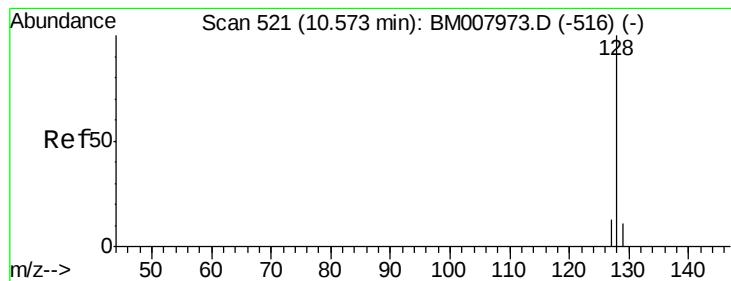
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM007976.D

Acq: 22 Nov 2016 01:50

Instrument :

BNA_M

ClientSampleId :

JHSR4

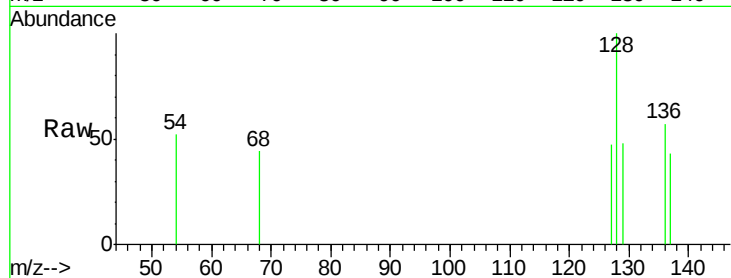
Tgt Ion:128 Resp: 129

Ion Ratio Lower Upper

128 100

129 48.4 11.3 16.9#

127 46.7 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

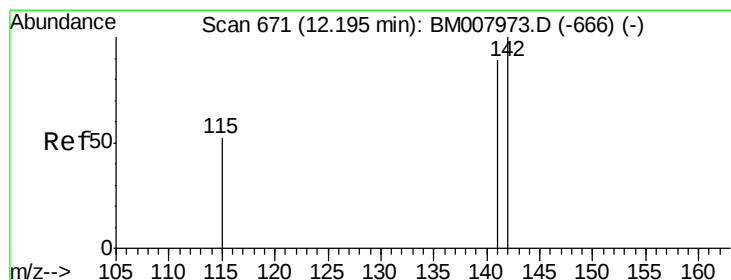
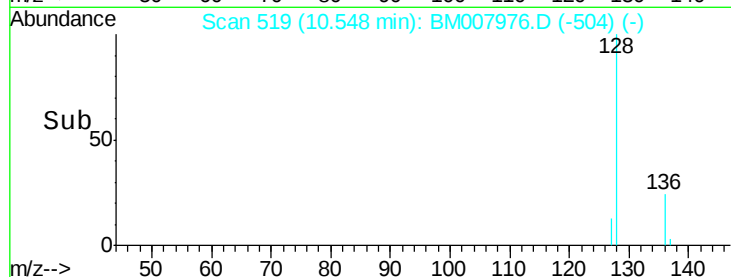
10.55

100

50

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.03 ng/ul

RT: 12.19 min Scan# 671

Delta R.T. -0.00 min

Lab File: BM007976.D

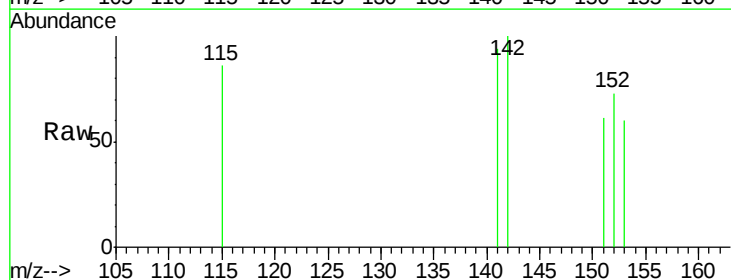
Acq: 22 Nov 2016 01:50

Tgt Ion:142 Resp: 98

Ion Ratio Lower Upper

142 100

141 85.7 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

100

80

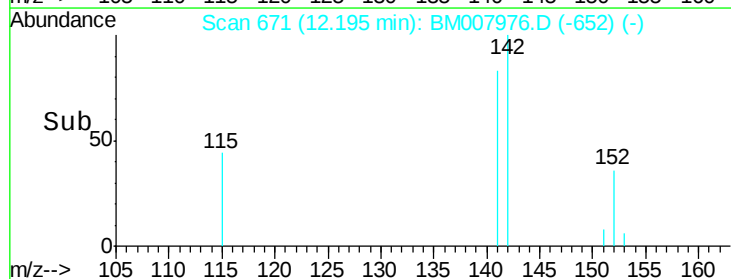
60

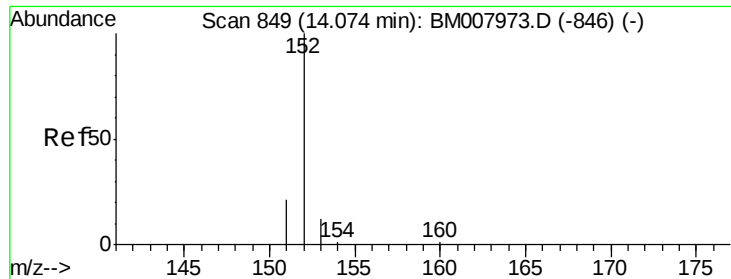
40

20

0

Time-->





#7

Acenaphthylene

Concen: 0.02 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. -0.00 min

Lab File: BM007976.D

Acq: 22 Nov 2016 01:50

Instrument :

BNA_M

ClientSampleId :

JHSR4

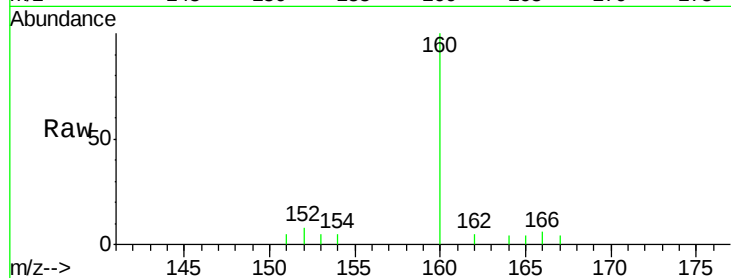
Tgt Ion:152 Resp: 119

Ion Ratio Lower Upper

152 100

151 59.0 17.1 25.7#

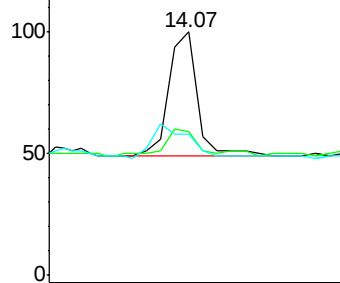
153 58.0 12.8 19.2#



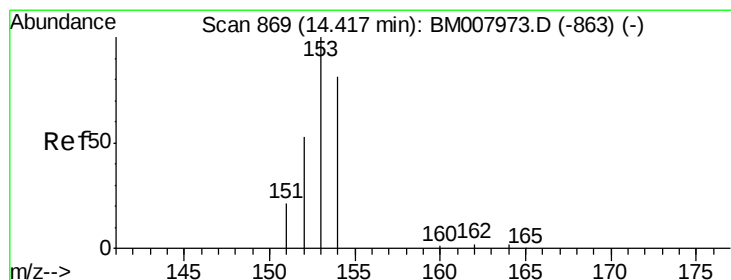
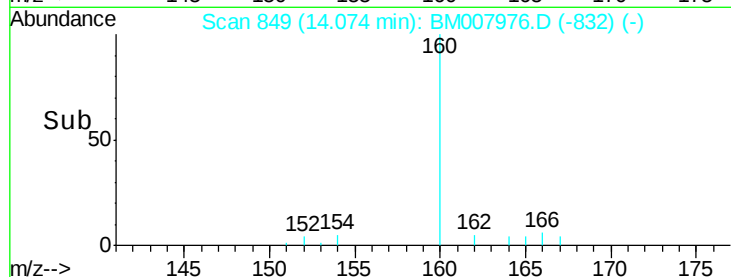
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#8

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM007976.D

Acq: 22 Nov 2016 01:50

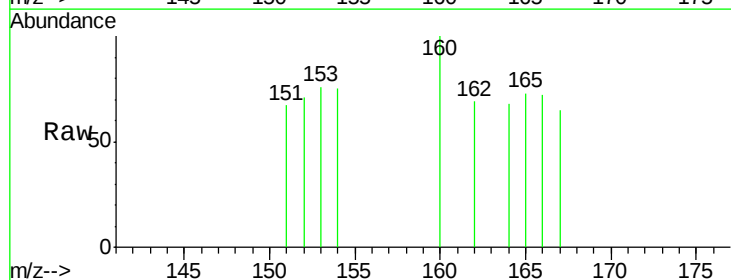
Tgt Ion:153 Resp: 20

Ion Ratio Lower Upper

153 100

152 93.0 40.3 60.5#

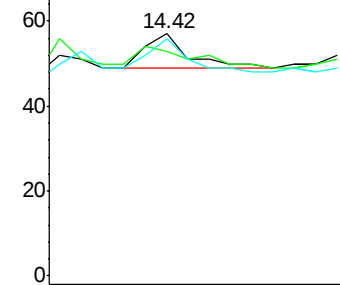
154 98.2 71.4 107.2



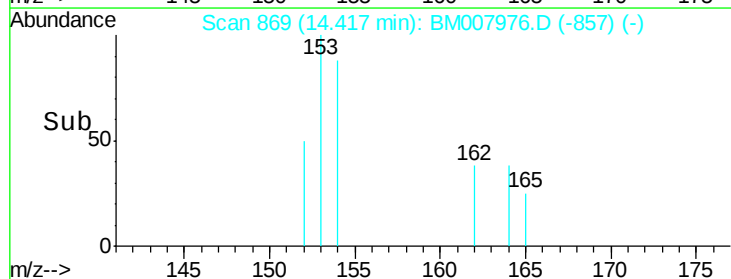
Abundance Ion 153.00 (152.70 to 153.70): E

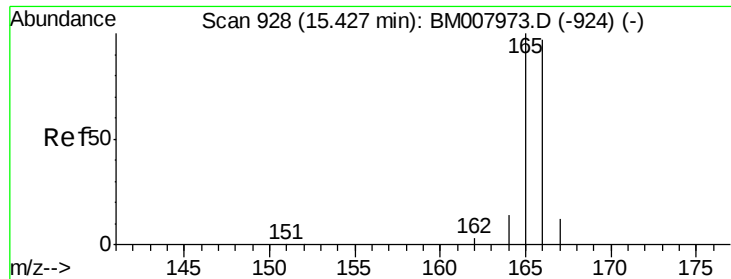
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->





#9

Fluorene

Concen: 0.01 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.02 min

Lab File: BM007976.D

Acq: 22 Nov 2016 01:50

Instrument :

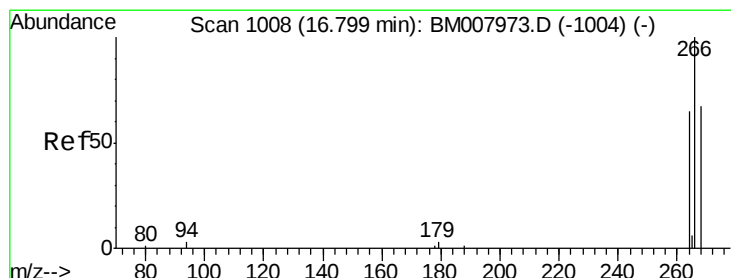
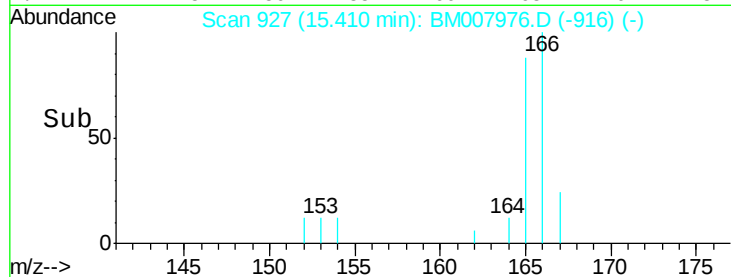
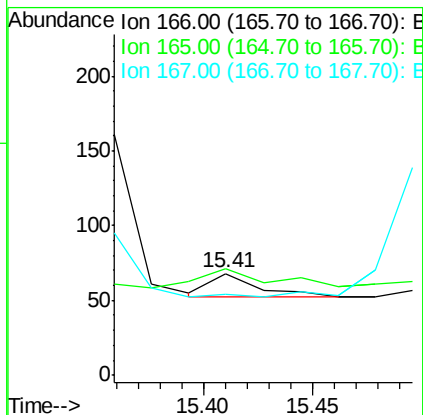
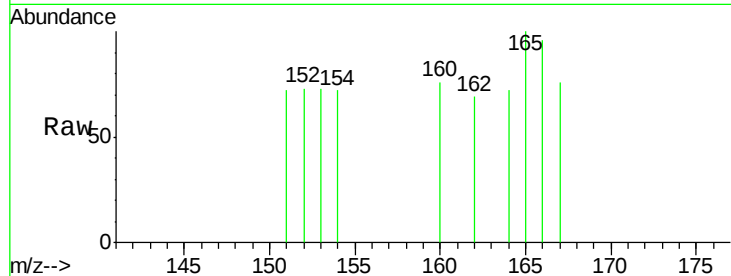
BNA_M

ClientSampled :

JHSR4

Tgt Ion:166 Resp: 26

Ion	Ratio	Lower	Upper
166	100		
165	104.4	73.4	110.2
167	79.4	14.6	22.0#



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.87 min Scan# 1012

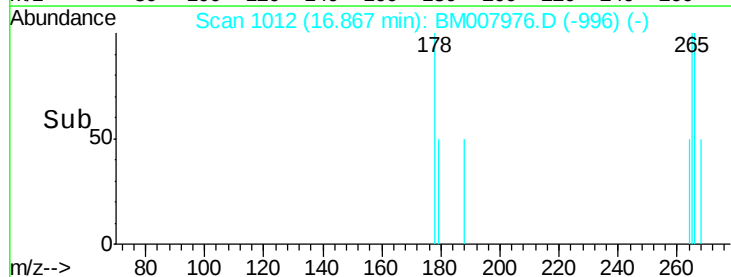
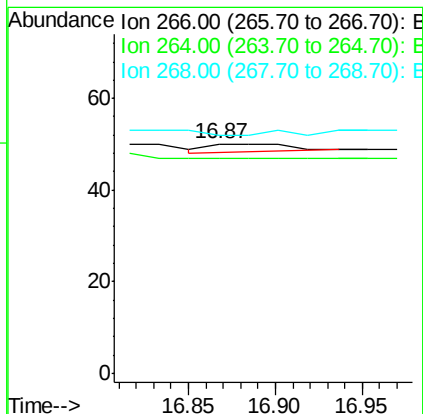
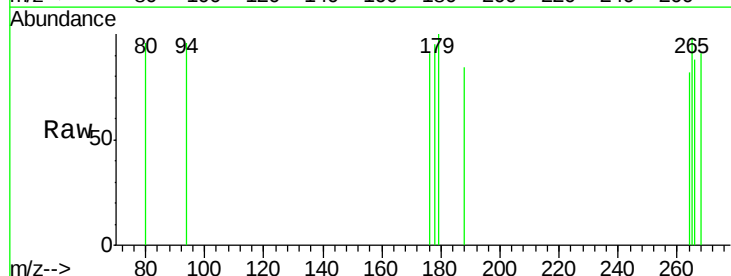
Delta R.T. 0.07 min

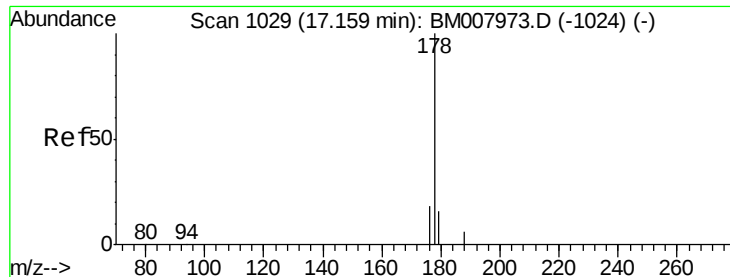
Lab File: BM007976.D

Acq: 22 Nov 2016 01:50

Tgt Ion:266 Resp: 6

Ion	Ratio	Lower	Upper
266	100		
264	0.0	47.9	71.9#
268	0.0	49.8	74.8#





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. 0.07 min

Lab File: BM007976.D

Acq: 22 Nov 2016 01:50

Instrument :

BNA_M

ClientSampleId :

JHSR4

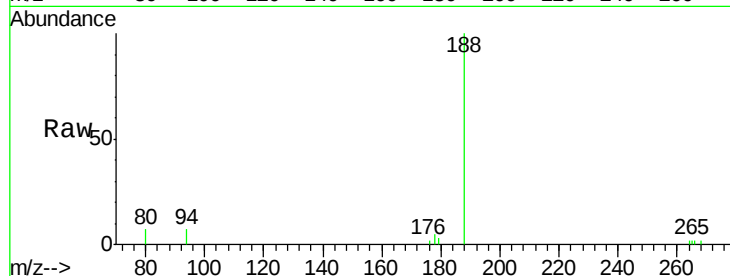
Tgt Ion:178 Resp: 254

Ion Ratio Lower Upper

178 100

176 45.9 18.4 27.6#

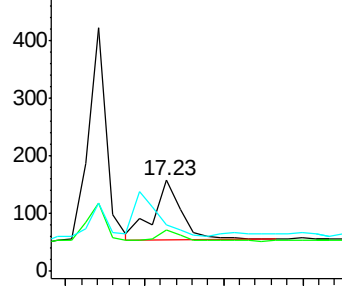
179 51.6 13.6 20.4#



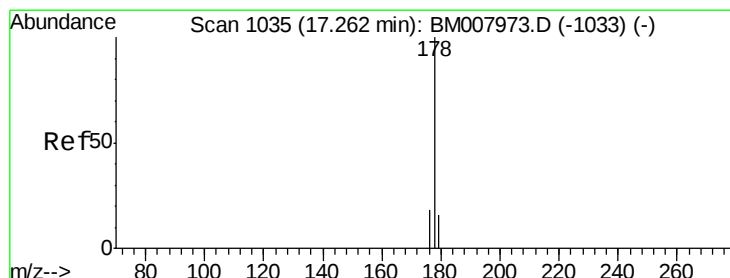
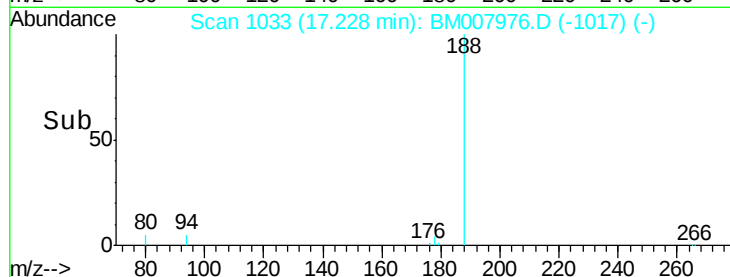
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.10 17.20 17.30 17.40



#13

Anthracene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BM007976.D

Acq: 22 Nov 2016 01:50

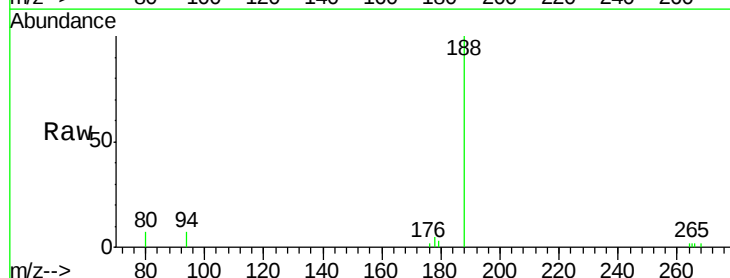
Tgt Ion:178 Resp: 243

Ion Ratio Lower Upper

178 100

176 45.9 18.1 27.1#

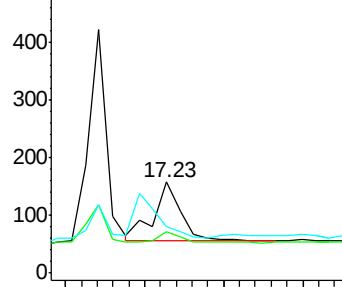
179 51.6 14.7 22.1#



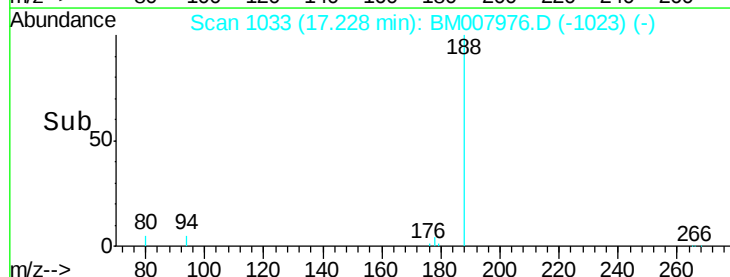
Abundance Ion 178.00 (177.70 to 178.70): E

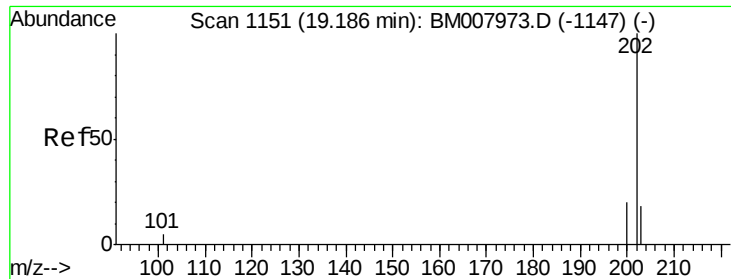
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.10 17.20 17.30 17.40





#15

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BM007976.D

Acq: 22 Nov 2016 01:50

Instrument :

BNA_M

ClientSampleId :

JHSR4

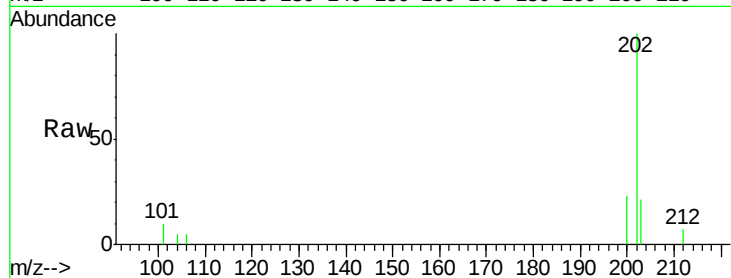
Tgt Ion:202 Resp: 1806

Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.3

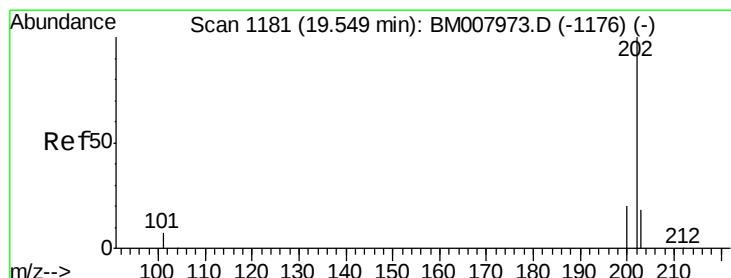
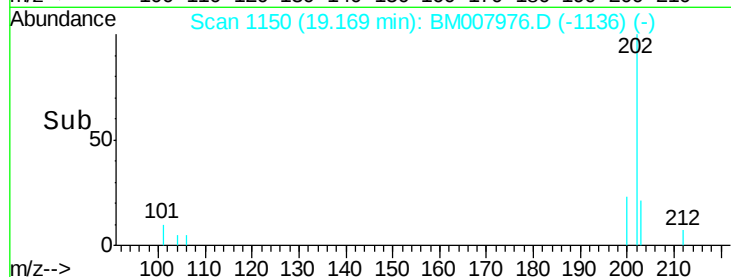
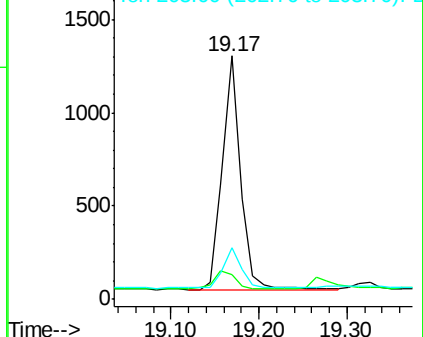
203 21.4 0.0 39.5



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: 0.25 ng/ul

RT: 19.53 min Scan# 1180

Delta R.T. -0.02 min

Lab File: BM007976.D

Acq: 22 Nov 2016 01:50

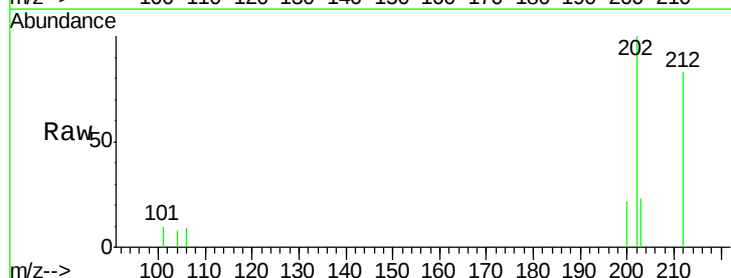
Tgt Ion:202 Resp: 2350

Ion Ratio Lower Upper

202 100

200 22.0 18.2 27.4

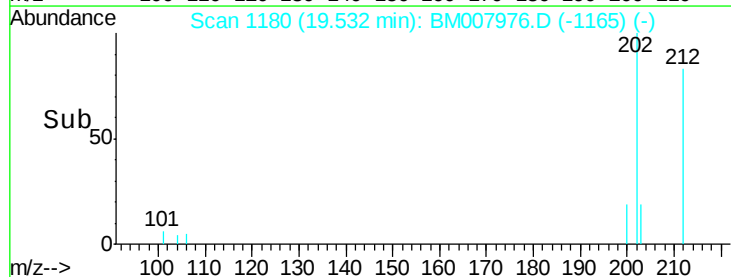
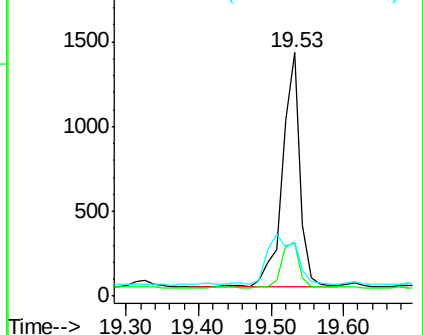
203 22.5 15.6 23.4

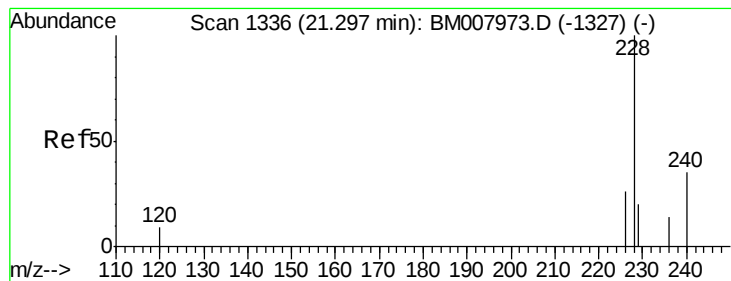


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.20 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. 0.04 min

Lab File: BM007976.D

Acq: 22 Nov 2016 01:50

Instrument :

BNA_M

ClientSampled :

JHSR4

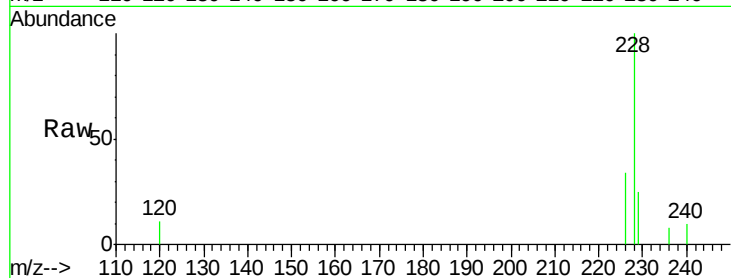
Tgt Ion:228 Resp: 1688

Ion Ratio Lower Upper

228 100

226 34.1 22.8 34.2

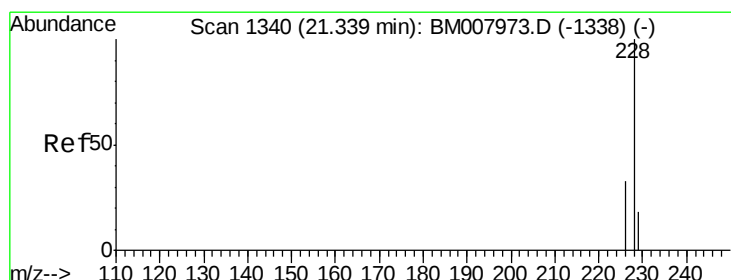
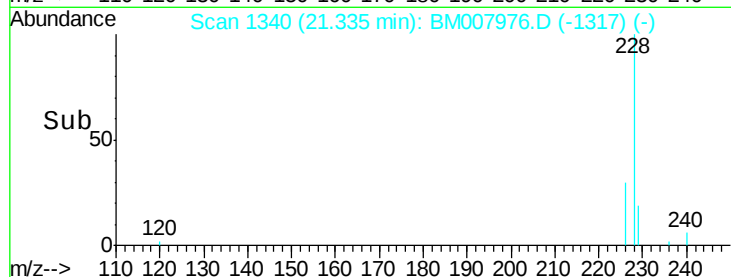
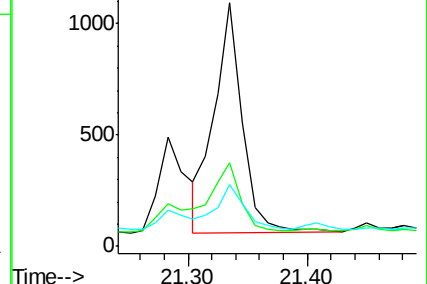
229 25.2 17.0 25.6



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: 0.16 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BM007976.D

Acq: 22 Nov 2016 01:50

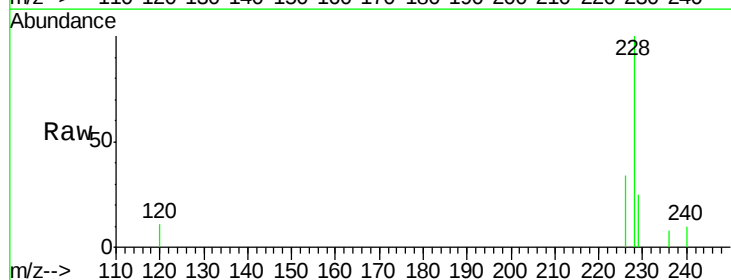
Tgt Ion:228 Resp: 1669

Ion Ratio Lower Upper

228 100

226 34.1 23.4 35.0

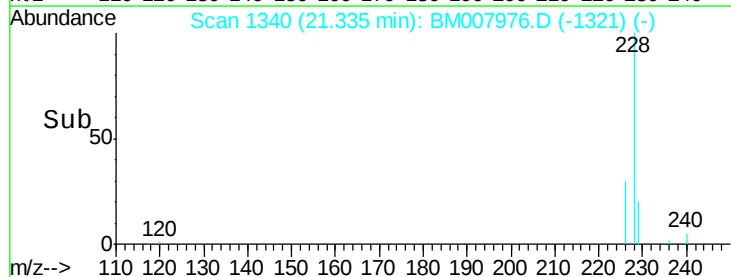
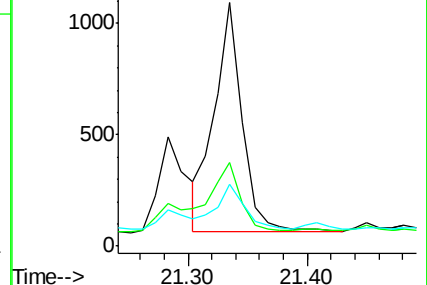
229 25.2 17.7 26.5

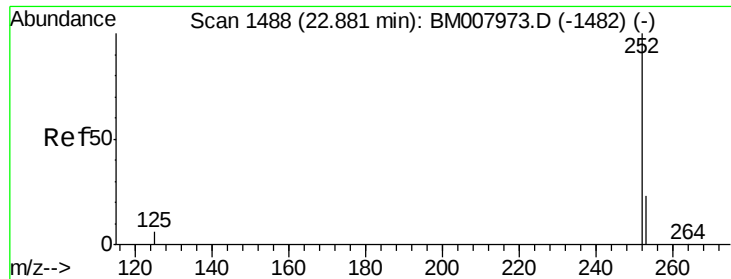


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.23 ng/ul

RT: 22.87 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BM007976.D

Acq: 22 Nov 2016 01:50

Instrument :

BNA_M

ClientSampleId :

JHSR4

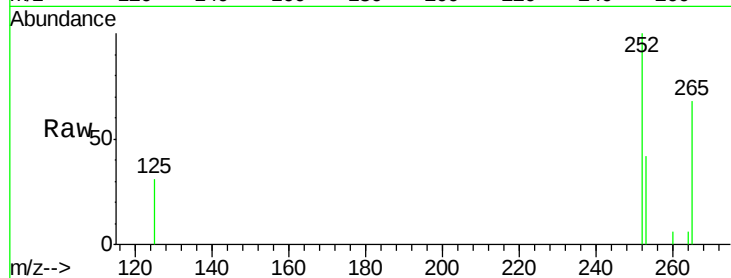
Tgt Ion:252 Resp: 2613

Ion Ratio Lower Upper

252 100

253 41.9 0.0 64.2

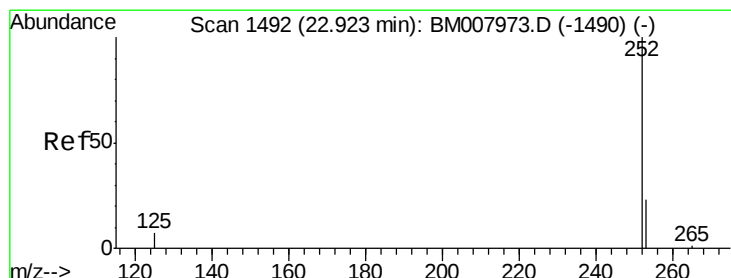
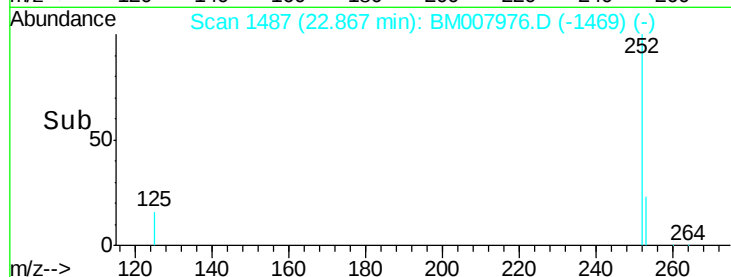
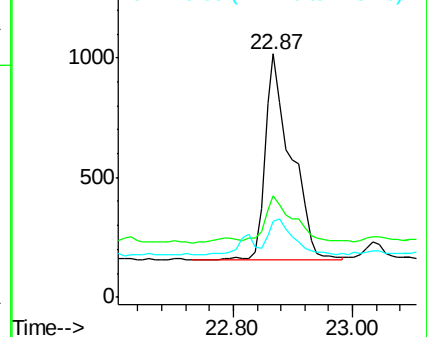
125 31.4 0.0 35.0



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: 0.23 ng/ul

RT: 22.87 min Scan# 1487

Delta R.T. -0.06 min

Lab File: BM007976.D

Acq: 22 Nov 2016 01:50

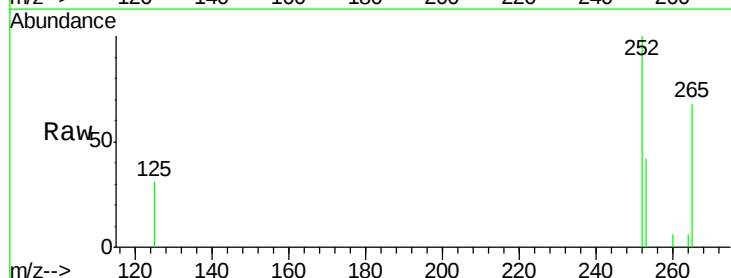
Tgt Ion:252 Resp: 2613

Ion Ratio Lower Upper

252 100

253 41.9 24.5 36.7#

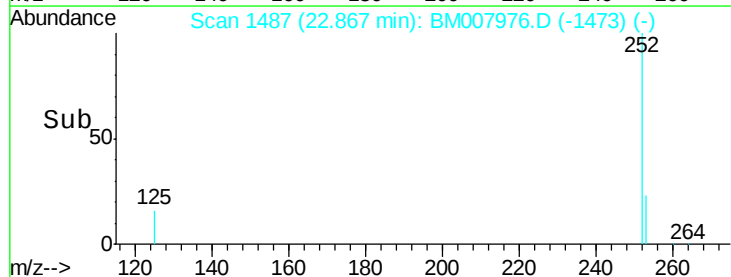
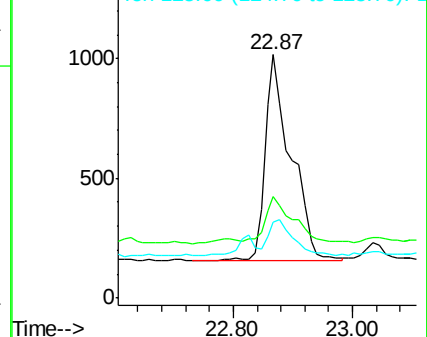
125 31.4 13.7 20.5#

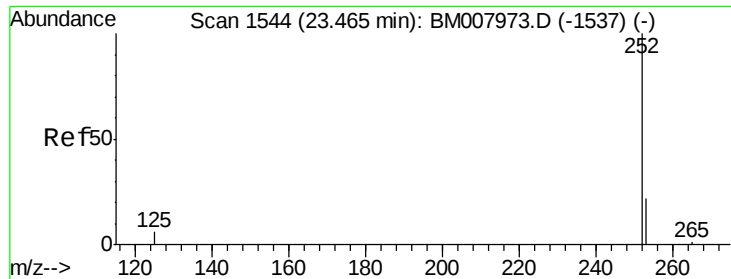


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.08 ng/ul

RT: 23.43 min Scan# 1541

Delta R.T. -0.03 min

Lab File: BM007976.D

Acq: 22 Nov 2016 01:50

Instrument :

BNA_M

ClientSampleId :

JHSR4

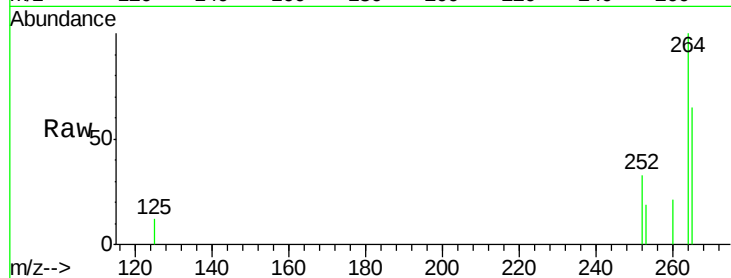
Tgt Ion: 252 Resp: 833

Ion Ratio Lower Upper

252 100

253 58.3 28.5 42.7#

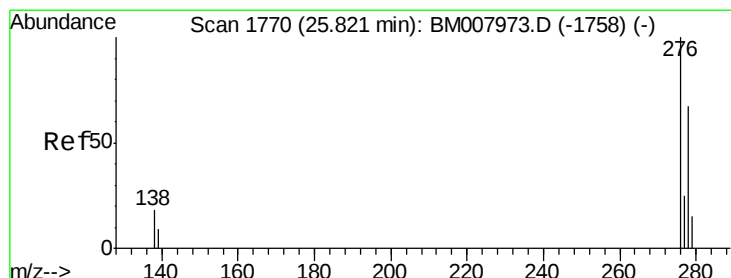
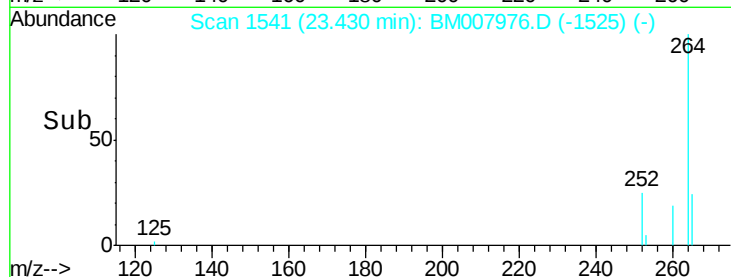
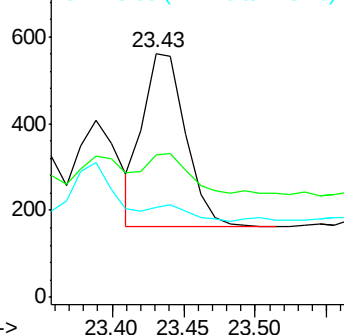
125 37.1 18.1 27.1#



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: 0.06 ng/ul

RT: 25.81 min Scan# 1769

Delta R.T. -0.01 min

Lab File: BM007976.D

Acq: 22 Nov 2016 01:50

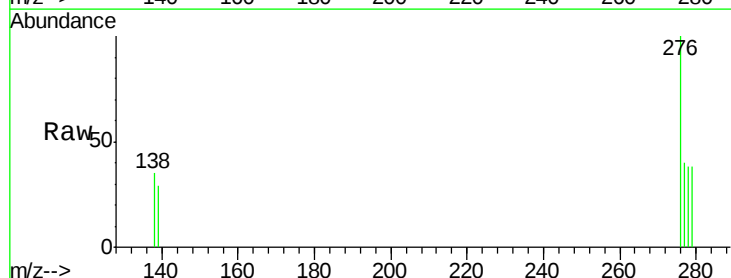
Tgt Ion: 276 Resp: 798

Ion Ratio Lower Upper

276 100

138 18.7 19.1 28.7#

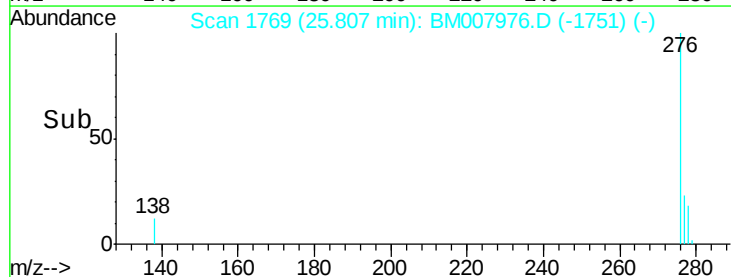
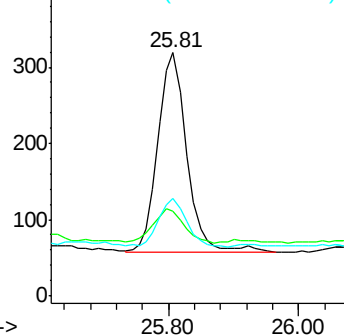
277 24.1 19.6 29.4

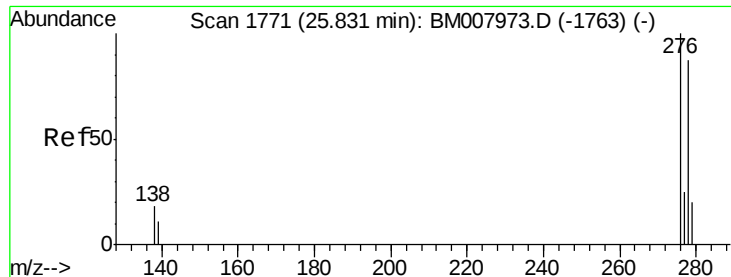


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 25.81 min Scan# 1769

Delta R.T. -0.02 min

Lab File: BM007976.D

Acq: 22 Nov 2016 01:50

Instrument :

BNA_M

ClientSampleId :

JHSR4

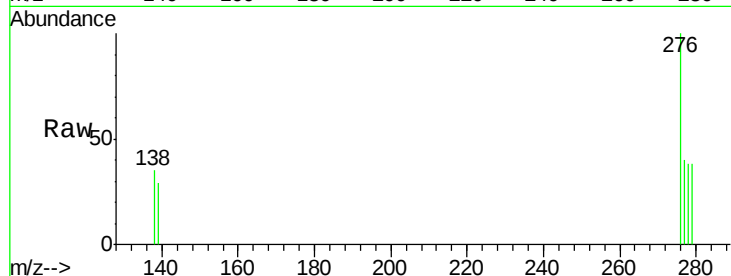
Tgt Ion: 278 Resp: 223

Ion Ratio Lower Upper

278 100

139 74.6 17.4 26.0#

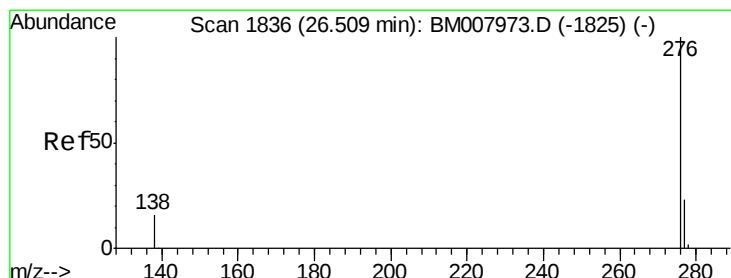
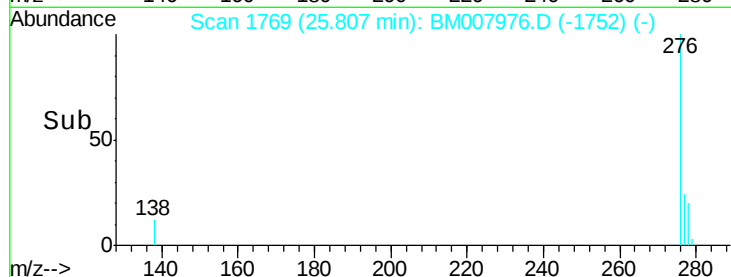
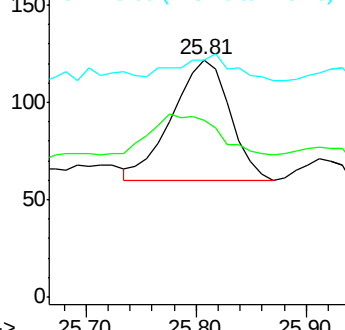
279 100.0 25.9 38.9#



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: 0.07 ng/ul

RT: 26.50 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BM007976.D

Acq: 22 Nov 2016 01:50

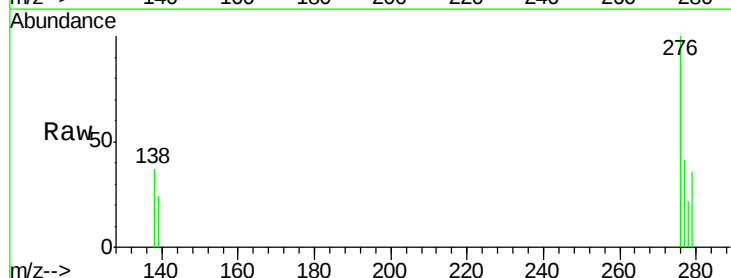
Tgt Ion: 276 Resp: 814

Ion Ratio Lower Upper

276 100

277 41.2 21.8 32.8#

138 37.2 20.5 30.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

