

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041816\
 Data File : BM004980.D
 Acq On : 18 Apr 2016 19:31
 Operator : UM/SJ
 Sample : H2298-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9T92

Quant Time: Apr 19 08:28:22 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM041816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 19 08:25:48 2016
 Response via : Initial Calibration

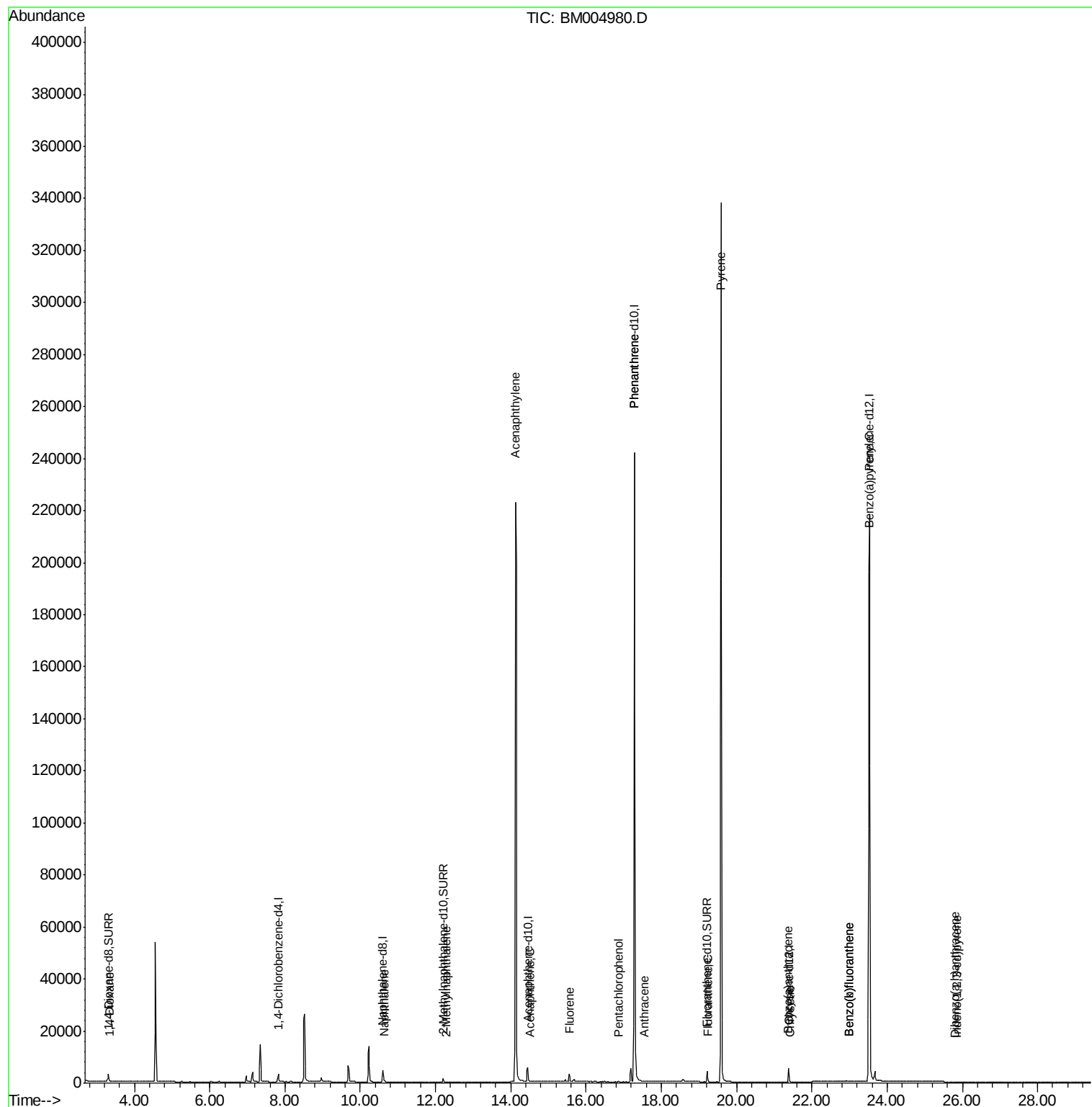
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1826	0.40	ng/ul	0.00
4) Naphthalene-d8	10.60	136	7587	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.45	164	3974	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.28	188	344768	0.40	ng/ul	0.09
18) Chrysene-d12	21.39	240	6327	0.40	ng/ul	0.00
22) Perylene-d12	23.53	264	296238	0.40	ng/ul	-0.14
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.31	96	3750	4.26	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.19	152	2634	0.29	ng/ul	0.00
16) Fluoranthene-d10	19.22	212	4841	0.01	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.34	88	173	0.16	ng/ul#	40
5) Naphthalene	10.65	128	658	0.04	ng/ul#	65
7) 2-Methylnaphthalene	12.27	142	126	0.01	ng/ul	92
9) Acenaphthylene	14.13	152	65	0.00	ng/ul#	1
10) Acenaphthene	14.50	153	24	0.00	ng/ul#	76
11) Fluorene	15.56	166	38	0.00	ng/ul#	1
13) Pentachlorophenol	16.85	266	35	0.00	ng/ul#	64
14) Phenanthrene	17.28	178	212	0.00	ng/ul#	1
15) Anthracene	17.54	178	13	0.00	ng/ul#	1
17) Fluoranthene	19.25	202	220	0.00	ng/ul#	1
19) Pyrene	19.59	202	658	0.03	ng/ul#	1
20) Benzo(a)anthracene	21.37	228	69	0.00	ng/ul#	1
21) Chrysene	21.42	228	63	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.99	252	137	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.99	252	237	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.52	252	1307	0.00	ng/ul#	42
26) Indeno(1,2,3-cd)pyrene	25.84	276	2	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	25.80	278	3	0.00	ng/ul#	1

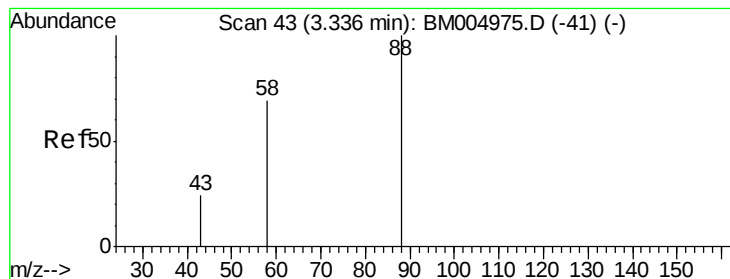
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.16 ng/ul

RT: 3.34 min Scan# 43

Delta R.T. 0.00 min

Lab File: BM004980.D

Acq: 18 Apr 2016 19:31

Instrument :

BNA_M

ClientSampled :

D9T92

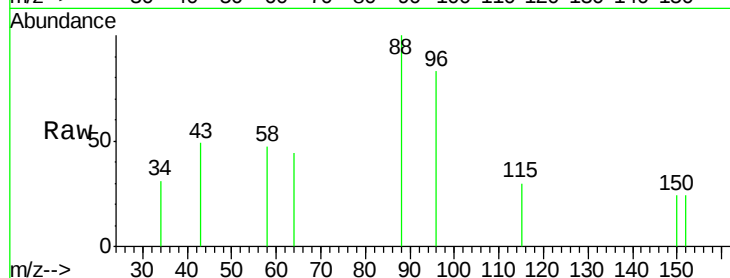
Tot Ion: 88 Resp: 173

Ion Ratio Lower Upper

88 100

58 41.0 8.0 12.0#

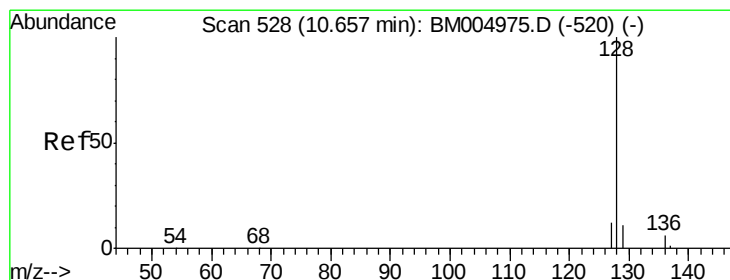
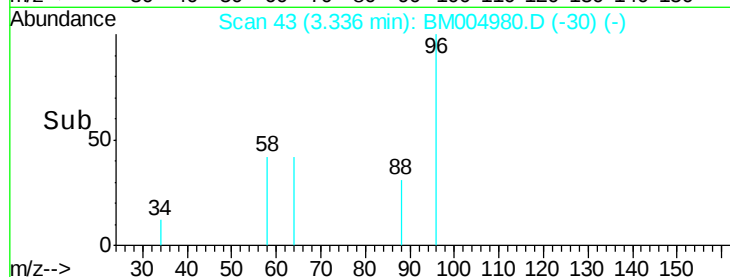
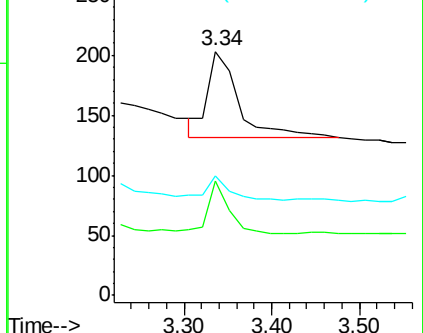
43 23.7 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM004980.D (-511) (-)

Ion 58.00 (57.70 to 58.70): BM004980.D (-511) (-)

Ion 43.00 (42.70 to 43.70): BM004980.D (-511) (-)



#5

Naphthalene

Concen: 0.04 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. -0.01 min

Lab File: BM004980.D

Acq: 18 Apr 2016 19:31

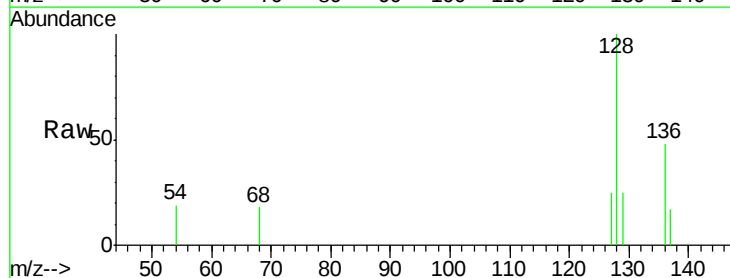
Tgt Ion: 128 Resp: 658

Ion Ratio Lower Upper

128 100

129 25.4 9.0 13.6#

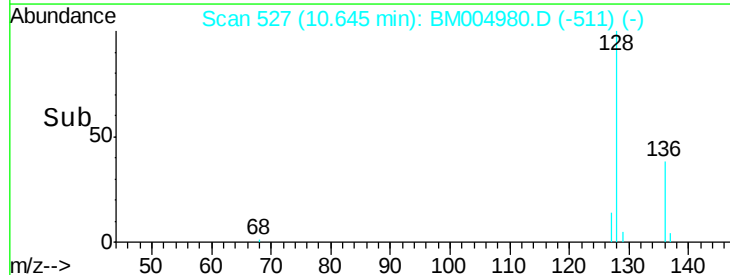
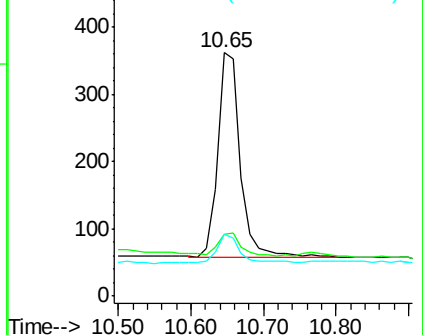
127 25.1 9.6 14.4#

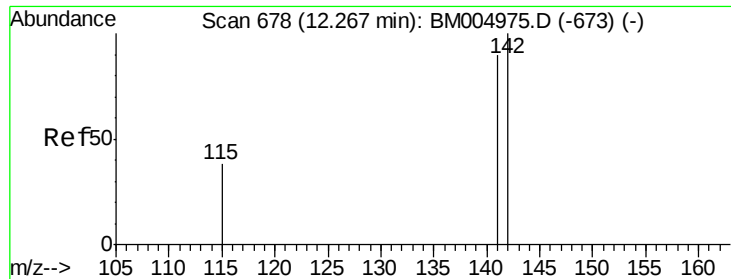


Abundance Ion 128.00 (127.70 to 128.70): BM004980.D (-511) (-)

Ion 129.00 (128.70 to 129.70): BM004980.D (-511) (-)

Ion 127.00 (126.70 to 127.70): BM004980.D (-511) (-)





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.27 min Scan# 678

Delta R.T. 0.00 min

Lab File: BM004980.D

Acq: 18 Apr 2016 19:31

Instrument :

BNA_M

ClientSampleId :

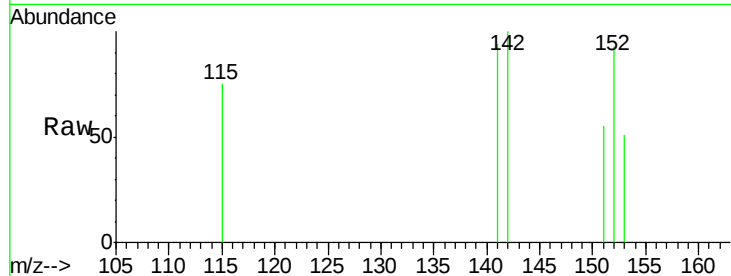
D9T92

Tot Ion:142 Resp: 126

Ion Ratio Lower Upper

142 100

141 95.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.27

100

80

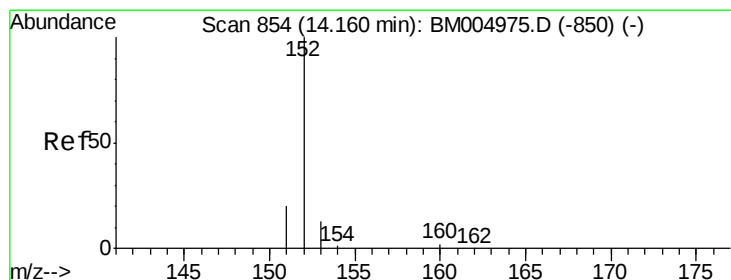
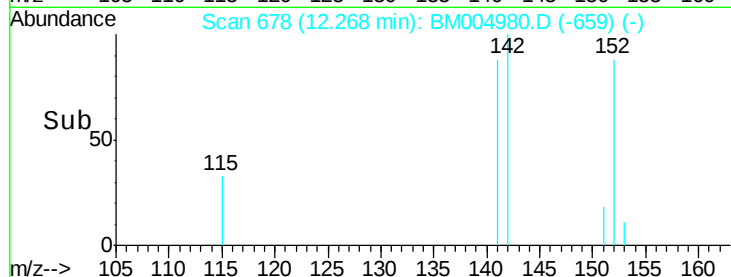
60

40

20

0

Time--> 12.20 12.30 12.40



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.13 min Scan# 852

Delta R.T. -0.03 min

Lab File: BM004980.D

Acq: 18 Apr 2016 19:31

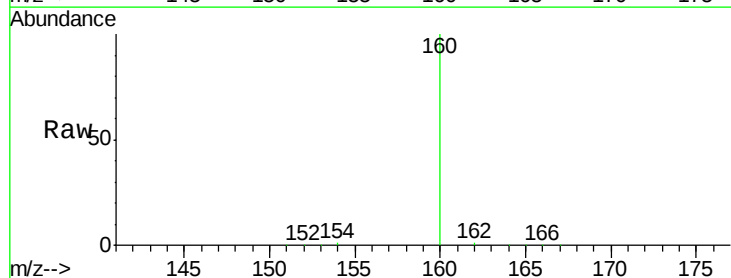
Tgt Ion:152 Resp: 65

Ion Ratio Lower Upper

152 100

151 76.5 17.6 26.4#

153 132.4 9.7 14.5#



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

14.13

100

80

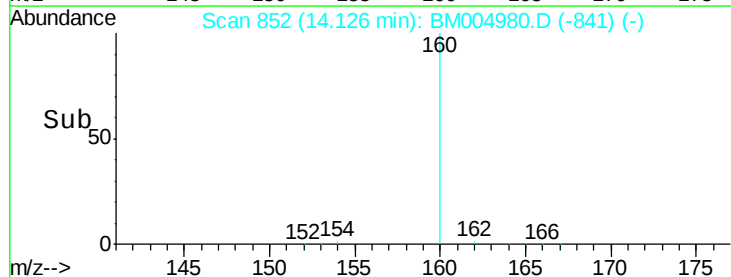
60

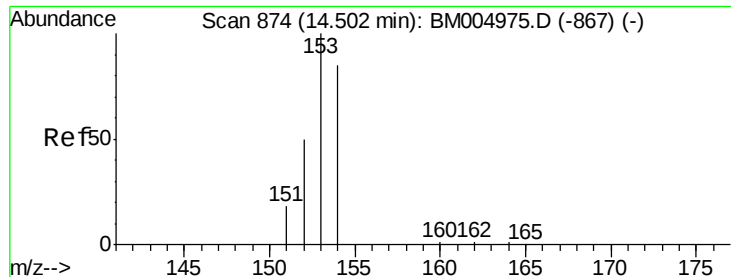
40

20

0

Time--> 14.00 14.10 14.20 14.30





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.50 min Scan# 874

Delta R.T. 0.00 min

Lab File: BM004980.D

Acq: 18 Apr 2016 19:31

Instrument :

BNA_M

ClientSampleId :

D9T92

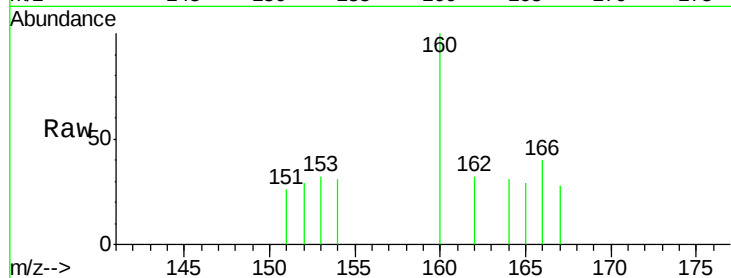
Tot Ion:153 Resp: 24

Ion Ratio Lower Upper

153 100

152 88.9 33.9 50.9#

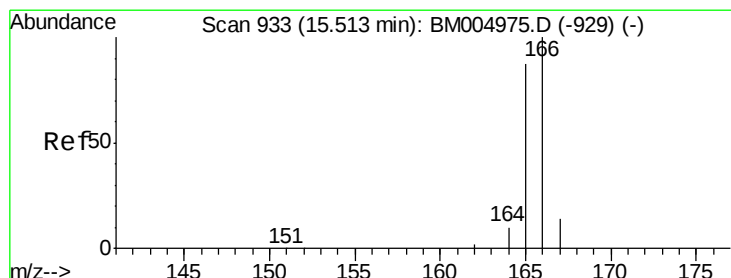
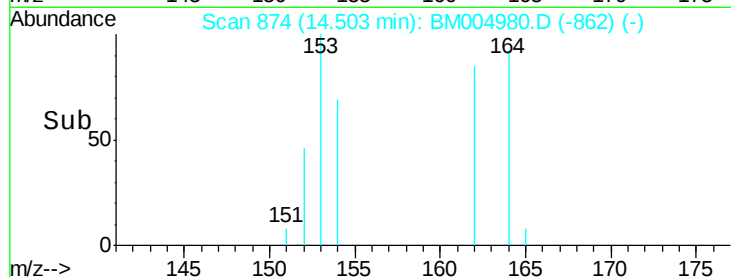
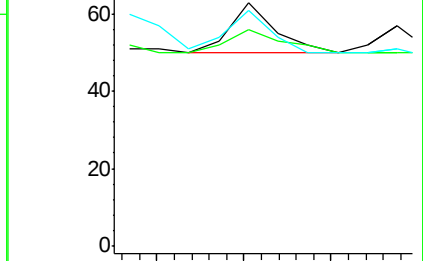
154 96.8 80.6 121.0



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



#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.56 min Scan# 936

Delta R.T. 0.05 min

Lab File: BM004980.D

Acq: 18 Apr 2016 19:31

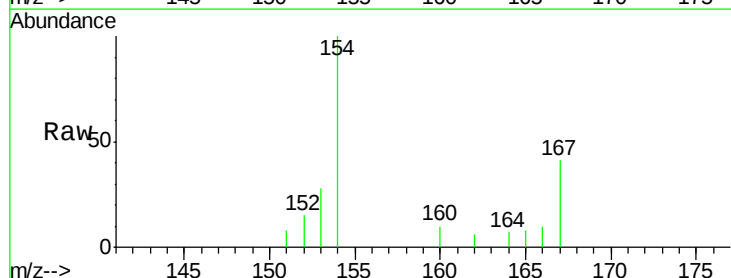
Tgt Ion:166 Resp: 38

Ion Ratio Lower Upper

166 100

165 89.3 69.6 104.4

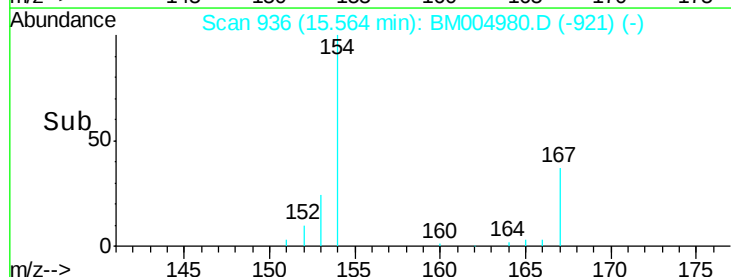
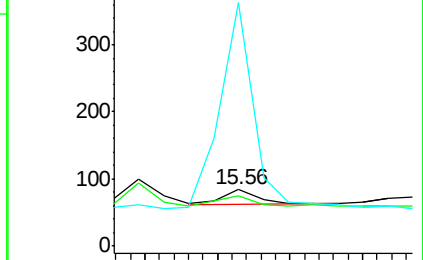
167 432.1 11.9 17.9#

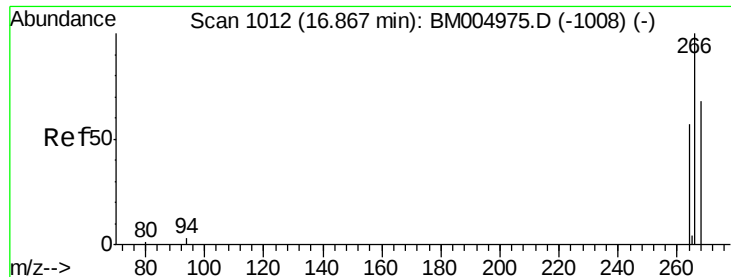


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

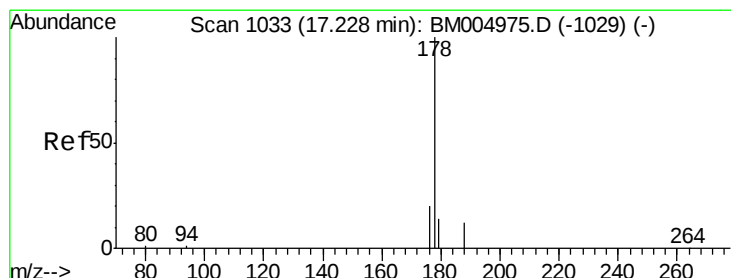
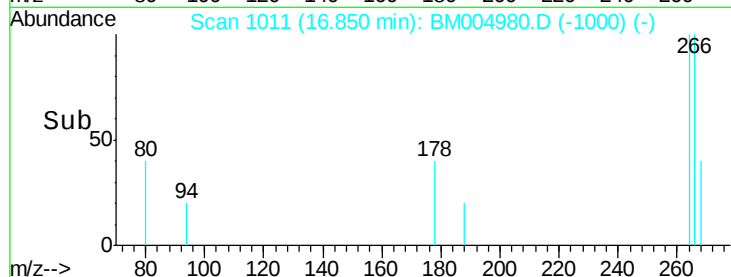
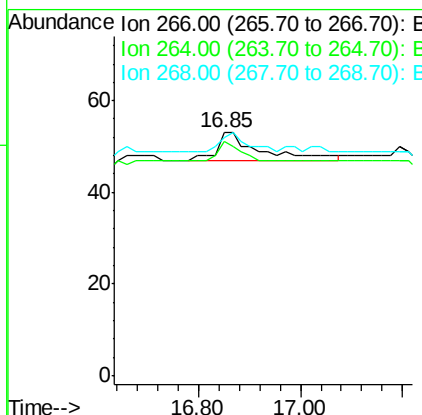
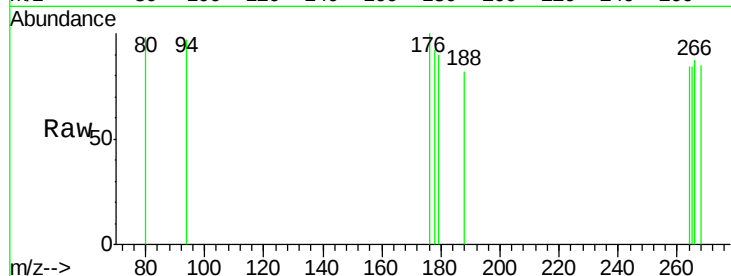




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. -0.02 min
 Lab File: BM004980.D
 Acq: 18 Apr 2016 19:31

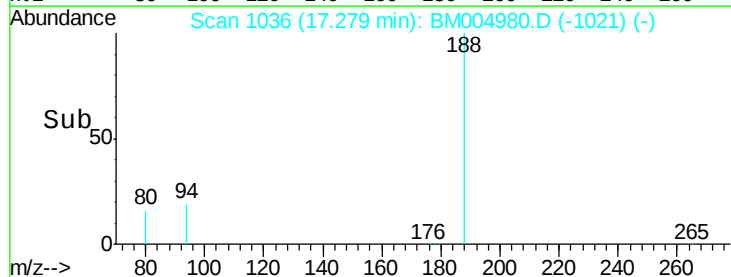
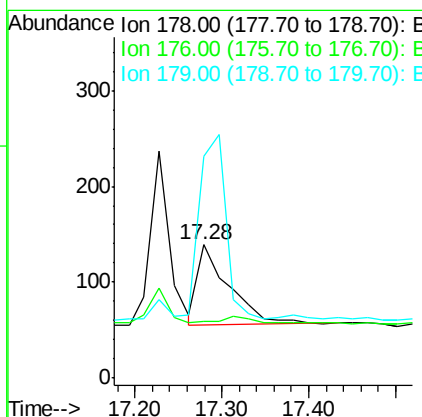
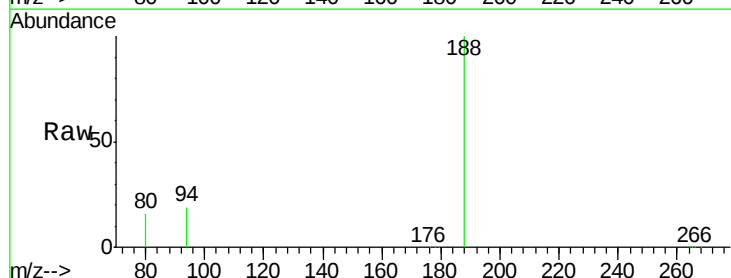
Instrument :
 BNA_M
 ClientSampleId :
 D9T92

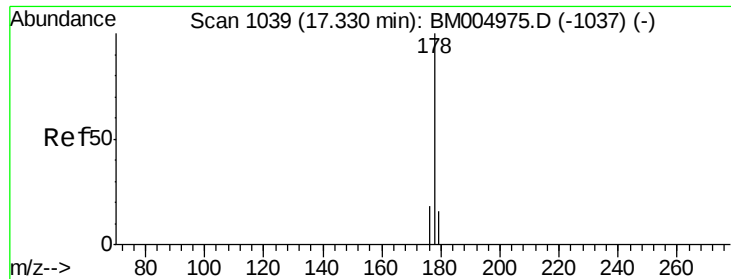
Tot Ion: 266 Resp: 35
 Ion Ratio Lower Upper
 266 100
 264 31.4 51.8 77.8#
 268 37.1 46.8 70.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.28 min Scan# 1036
 Delta R.T. 0.05 min
 Lab File: BM004980.D
 Acq: 18 Apr 2016 19:31

Tgt Ion: 178 Resp: 212
 Ion Ratio Lower Upper
 178 100
 176 42.4 13.0 19.4#
 179 166.2 14.2 21.2#





#15

Anthracene

Concen: 0.00 ng/u1

RT: 17.54 min Scan# 1051

Delta R.T. 0.21 min

Lab File: BM004980.D

Acq: 18 Apr 2016 19:31

Instrument :

BNA_M

ClientSampleId :

D9T92

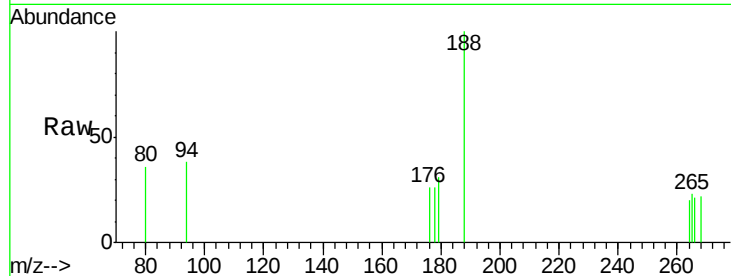
Tot Ion:178 Resp: 13

Ion Ratio Lower Upper

178 100

176 100.0 14.0 21.0#

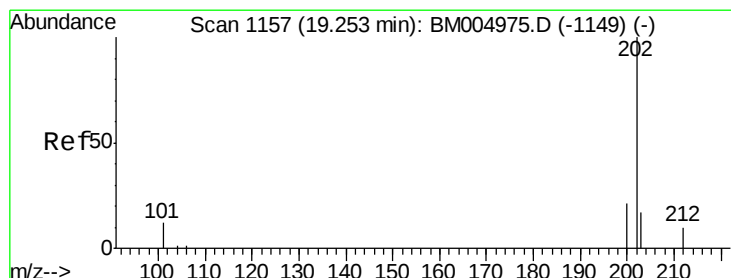
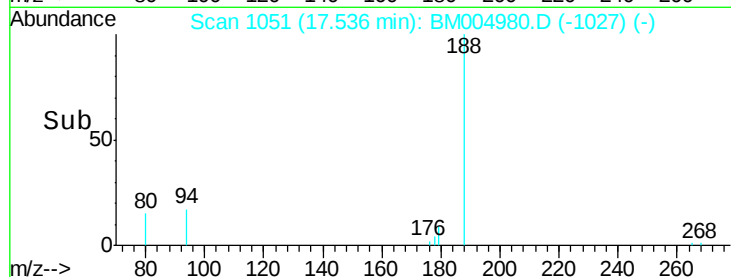
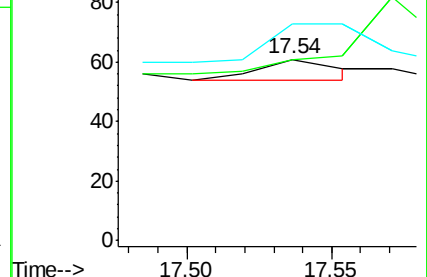
179 119.7 12.9 19.3#



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



#17

Fluoranthene

Concen: 0.00 ng/u1

RT: 19.25 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BM004980.D

Acq: 18 Apr 2016 19:31

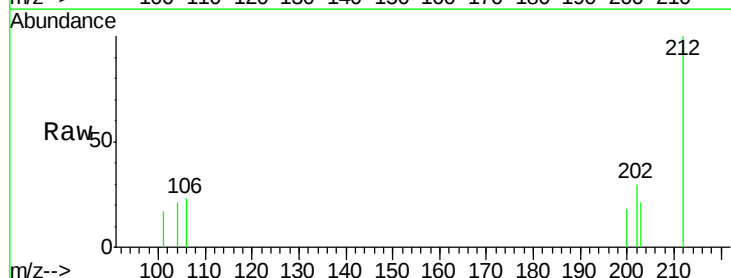
Tgt Ion:202 Resp: 220

Ion Ratio Lower Upper

202 100

101 57.0 0.0 29.6#

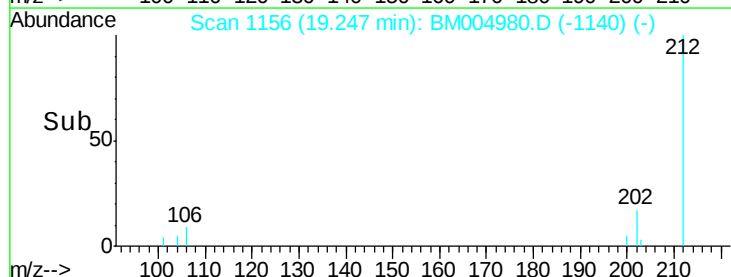
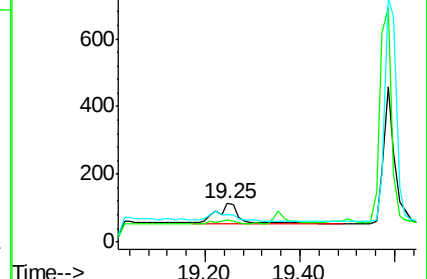
203 69.3 0.0 36.3#

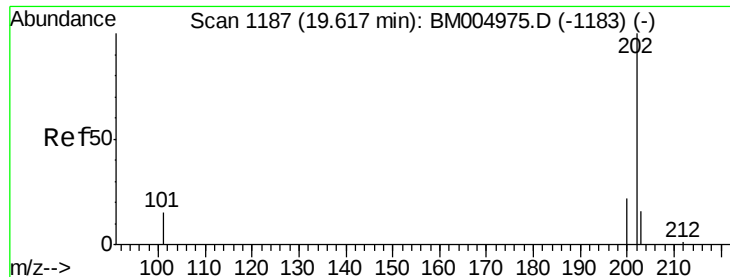


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.03 ng/ul

RT: 19.59 min Scan# 1184

Delta R.T. -0.03 min

Lab File: BM004980.D

Acq: 18 Apr 2016 19:31

Instrument :

BNA_M

ClientSampleId :

D9T92

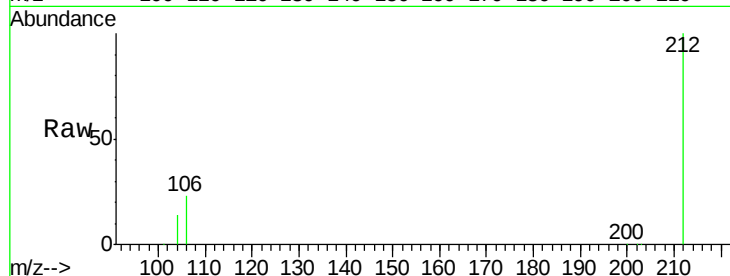
Tot Ion:202 Resp: 658

Ion Ratio Lower Upper

202 100

200 13.5 17.8 26.8#

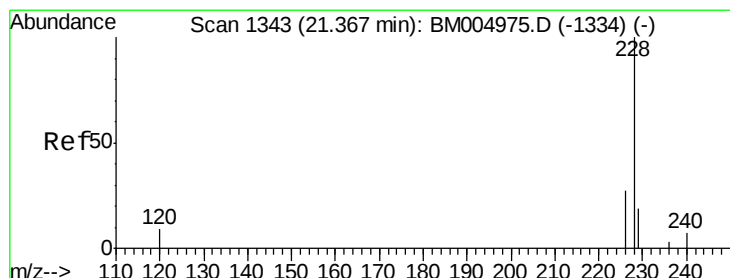
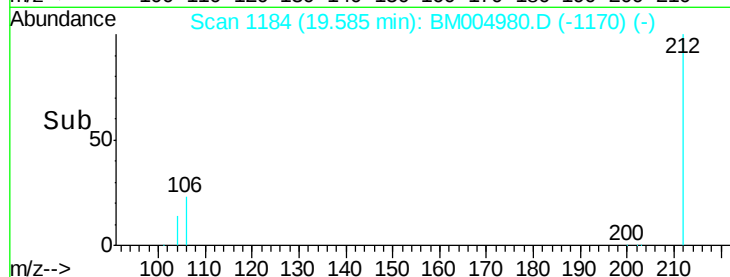
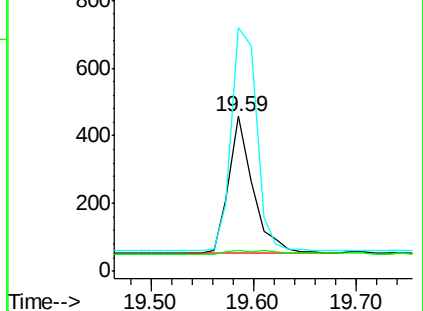
203 157.0 12.8 19.2#



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



#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BM004980.D

Acq: 18 Apr 2016 19:31

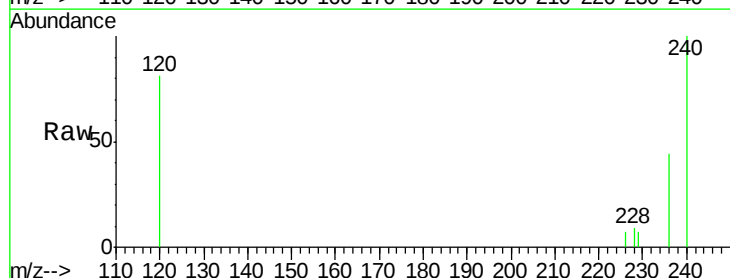
Tgt Ion:228 Resp: 69

Ion Ratio Lower Upper

228 100

226 73.1 18.8 28.2#

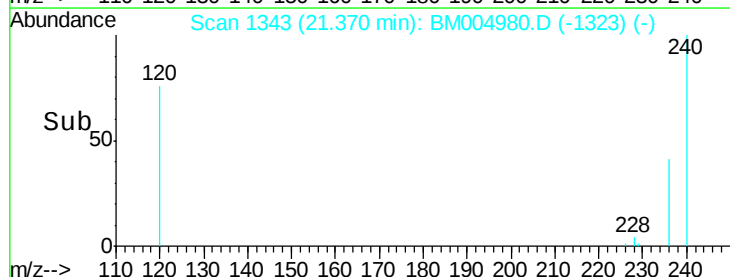
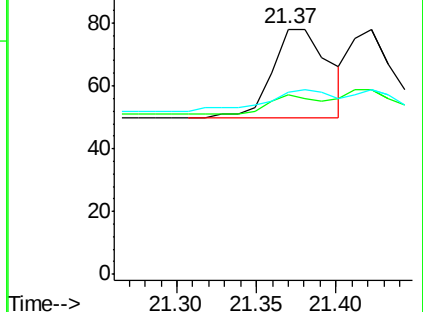
229 74.4 17.1 25.7#

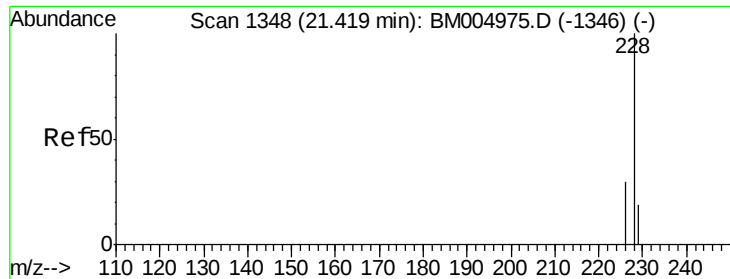


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BM004980.D

Acq: 18 Apr 2016 19:31

Instrument :

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D9T92

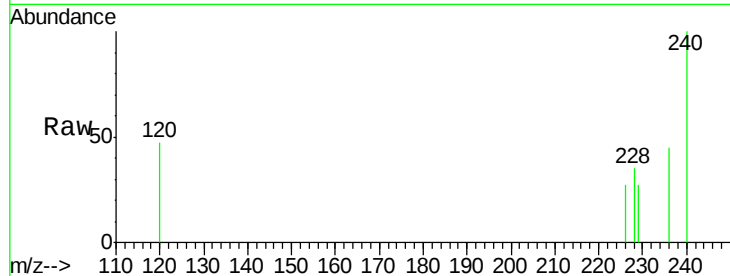
Tot Ion:228 Resp: 63

Ion Ratio Lower Upper

228 100

226 75.6 21.2 31.8#

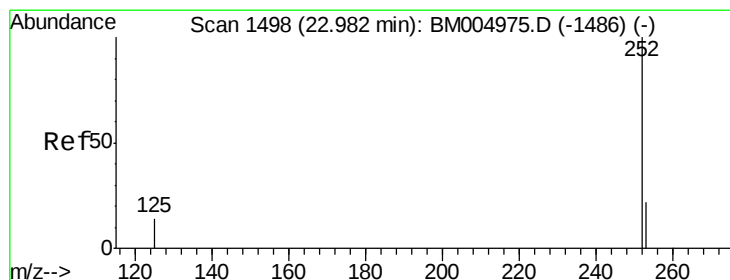
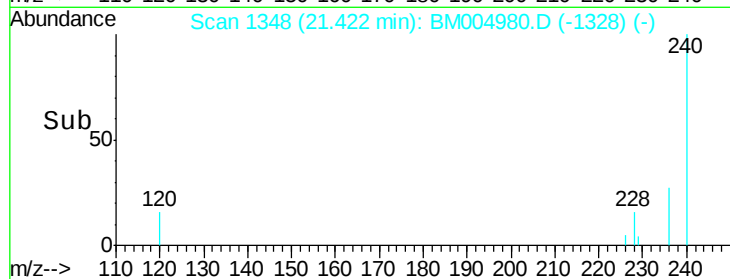
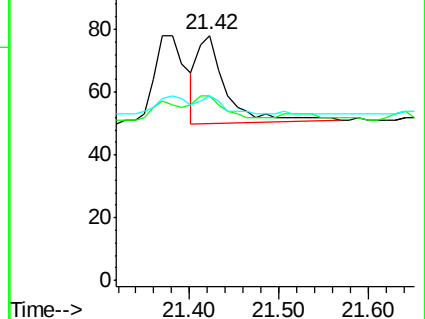
229 75.6 17.0 25.6#



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



#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.99 min Scan# 1498

Delta R.T. 0.00 min

Lab File: BM004980.D

Acq: 18 Apr 2016 19:31

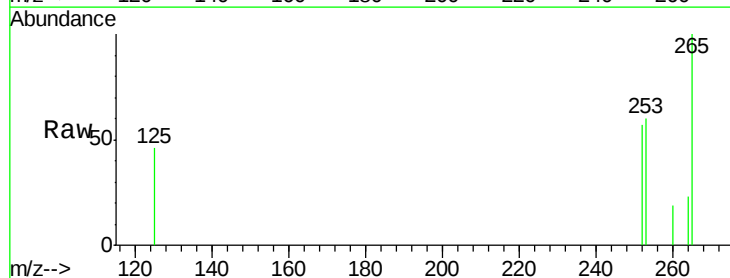
Tgt Ion:252 Resp: 137

Ion Ratio Lower Upper

252 100

253 105.3 0.0 45.4#

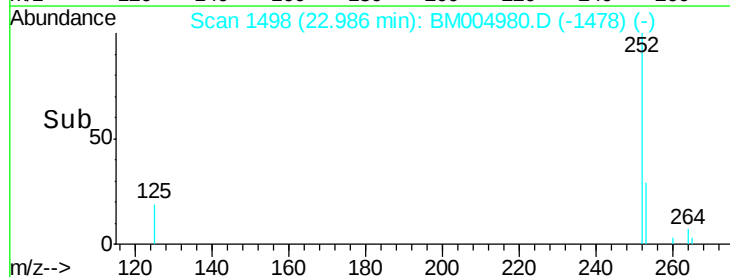
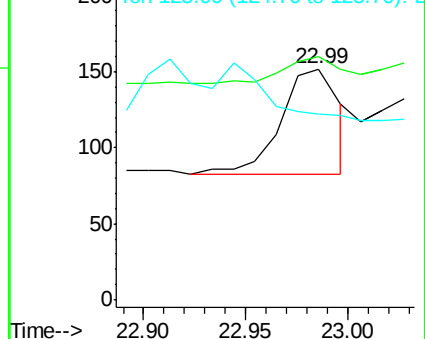
125 80.3 0.0 28.8#

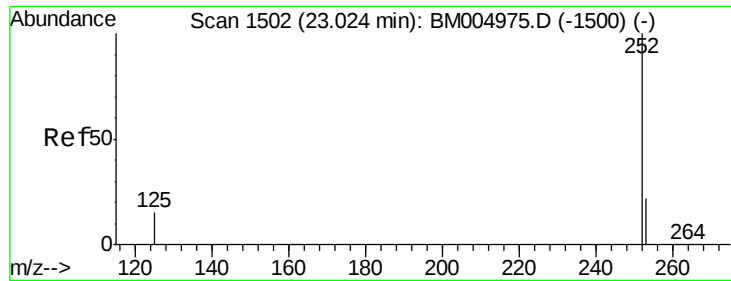


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.99 min Scan# 1498

Delta R.T. -0.04 min

Lab File: BM004980.D

Acq: 18 Apr 2016 19:31

Instrument :

BNA_M

ClientSampleId :

D9T92

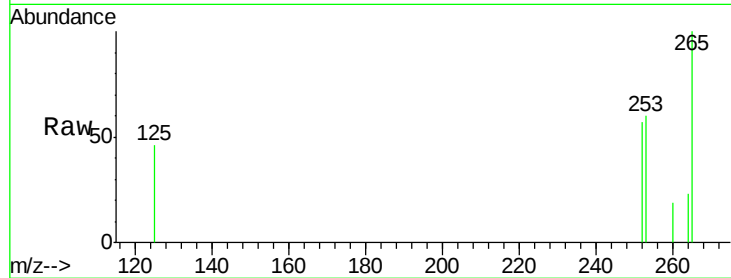
Tot Ion:252 Resp: 237

Ion Ratio Lower Upper

252 100

253 105.3 19.8 29.8#

125 80.3 10.4 15.6#



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

22.99

150

100

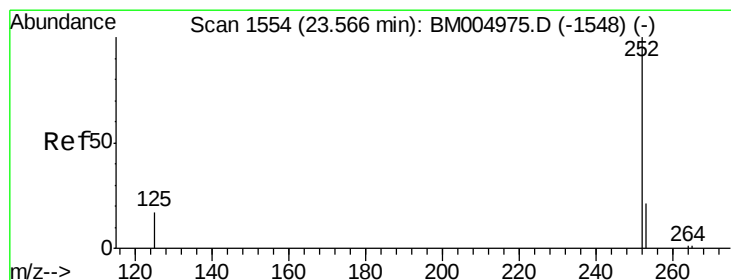
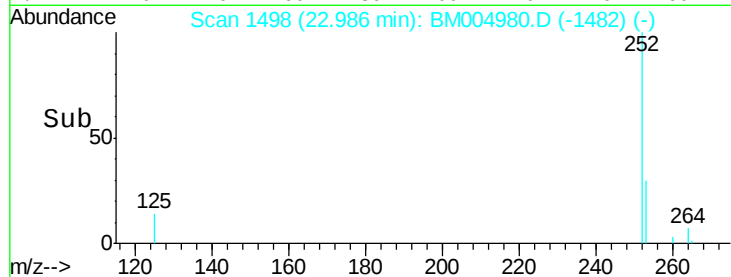
50

0

Time-->

22.90

23.00



#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.52 min Scan# 1549

Delta R.T. -0.05 min

Lab File: BM004980.D

Acq: 18 Apr 2016 19:31

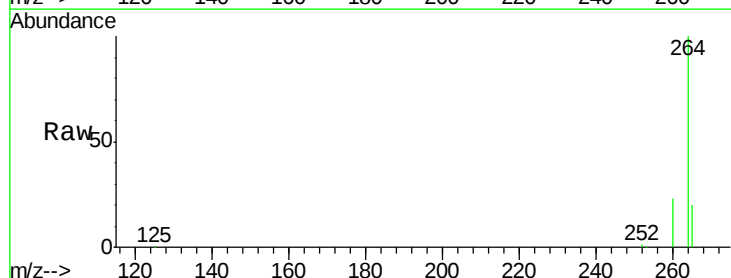
Tgt Ion:252 Resp: 1307

Ion Ratio Lower Upper

252 100

253 46.5 19.4 29.2#

125 48.5 12.7 19.1#



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

23.52

800

600

400

200

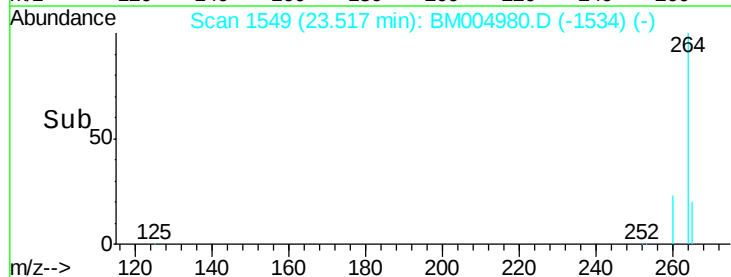
0

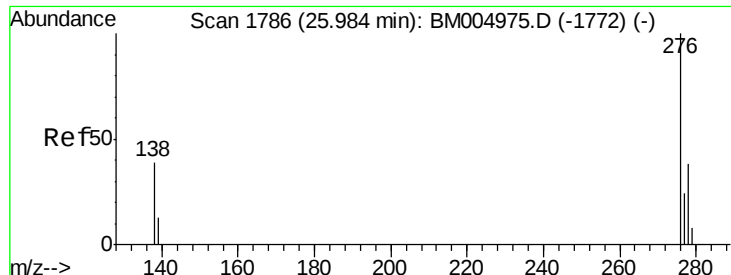
Time-->

23.40

23.50

23.60





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.84 min Scan# 1772

Delta R.T. -0.14 min

Lab File: BM004980.D

Acq: 18 Apr 2016 19:31

Instrument :

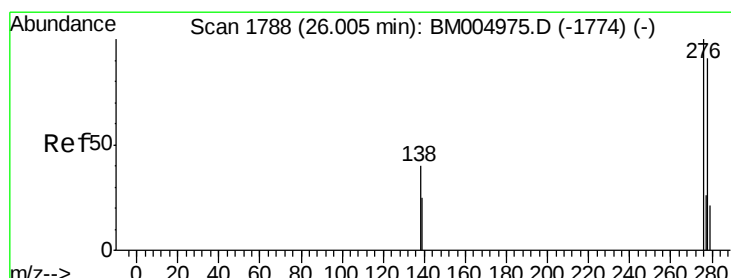
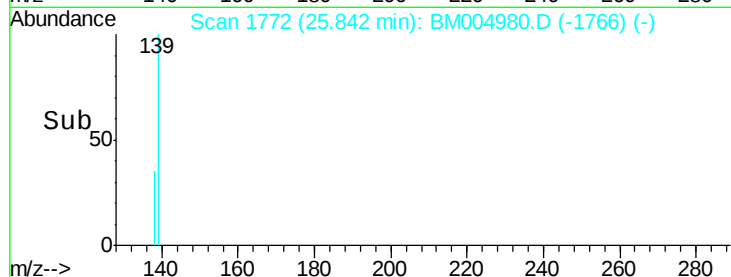
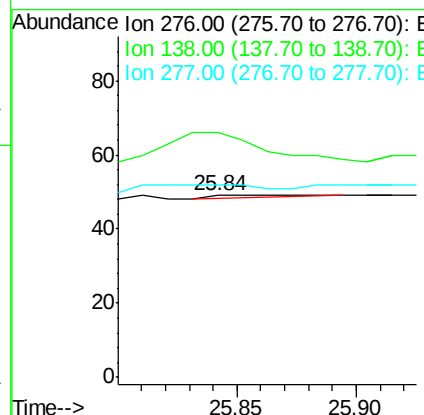
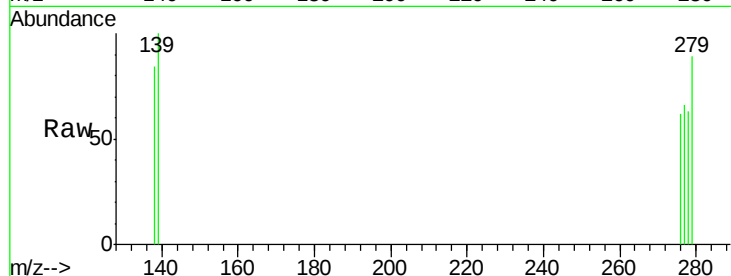
BNA_M

ClientSampleId :

D9T92

Tot Ion:276 Resp: 2

Ion	Ratio	Lower	Upper
276	100		
138	1250.0	16.3	24.5#
277	0.0	19.8	29.8#



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.80 min Scan# 1768

Delta R.T. -0.21 min

Lab File: BM004980.D

Acq: 18 Apr 2016 19:31

Tgt Ion:278 Resp: 3

Ion	Ratio	Lower	Upper
278	100		
139	122.0	16.4	24.6#
279	138.0	20.2	30.2#

