

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041816\
 Data File : BM004982.D
 Acq On : 18 Apr 2016 20:44
 Operator : UM/SJ
 Sample : H2298-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9T98

Quant Time: Apr 19 08:28:38 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

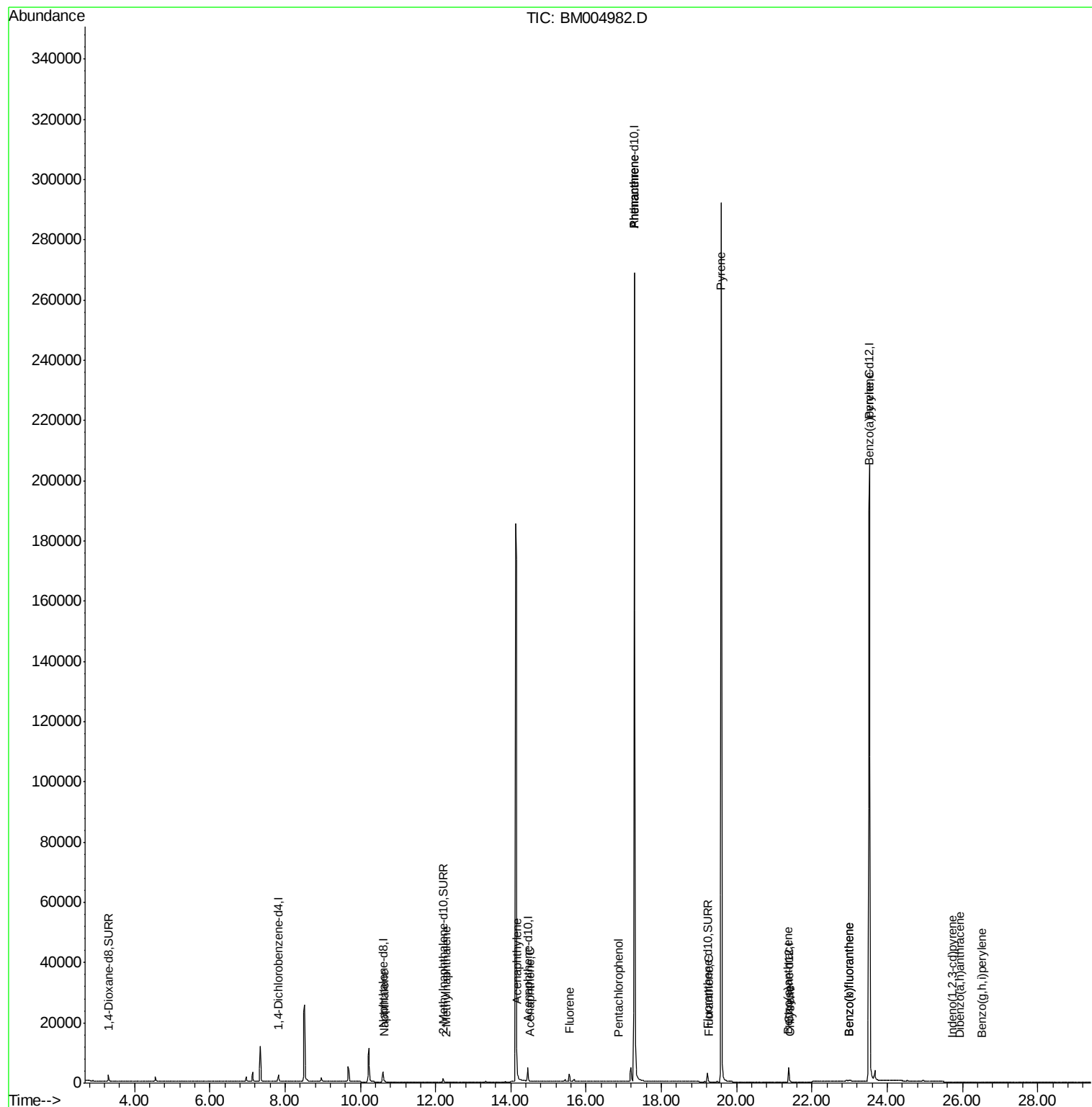
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1439	0.40	ng/ul	0.00
4) Naphthalene-d8	10.61	136	5887	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.45	164	3294	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.28	188	376691	0.40	ng/ul	0.09
18) Chrysene-d12	21.39	240	5784	0.40	ng/ul	0.00
22) Perylene-d12	23.52	264	277553	0.40	ng/ul	-0.15
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.31	96	1660	2.39	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.19	152	2170	0.31	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	4233	0.01	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	10.65	128	422	0.03	ng/ul#	47
7) 2-Methylnaphthalene	12.27	142	57	0.01	ng/ul	89
9) Acenaphthylene	14.16	152	59	0.00	ng/ul#	1
10) Acenaphthene	14.50	153	31	0.00	ng/ul#	77
11) Fluorene	15.56	166	38	0.00	ng/ul#	1
13) Pentachlorophenol	16.85	266	17	0.00	ng/ul#	51
14) Phenanthrene	17.28	178	284	0.00	ng/ul#	1
15) Anthracene	17.28	178	303	0.00	ng/ul#	1
17) Fluoranthene	19.25	202	196	0.00	ng/ul#	31
19) Pyrene	19.58	202	769	0.03	ng/ul#	1
20) Benzo(a)anthracene	21.37	228	136	0.01	ng/ul#	29
21) Chrysene	21.42	228	144	0.01	ng/ul#	40
23) Benzo(b)fluoranthene	22.98	252	220	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.98	252	248	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.51	252	1230	0.00	ng/ul#	44
26) Indeno(1,2,3-cd)pyrene	25.72	276	6	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.91	278	5	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.51	276	4	0.00	ng/ul#	1

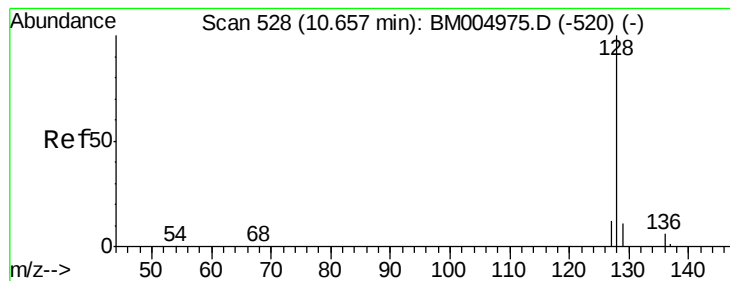
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. -0.01 min

Lab File: BM004982.D

Acq: 18 Apr 2016 20:44

Instrument :

BNA_M

ClientSampleId :

D9T98

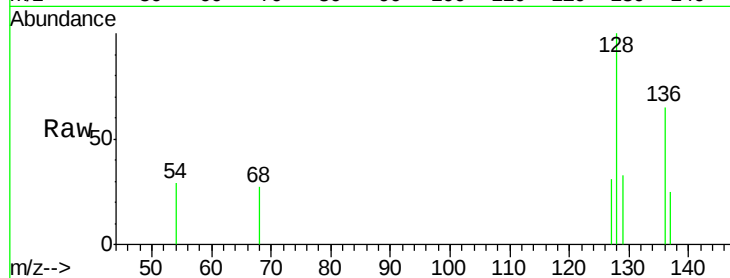
Tot Ion:128 Resp: 422

Ion Ratio Lower Upper

128 100

129 33.1 9.0 13.6#

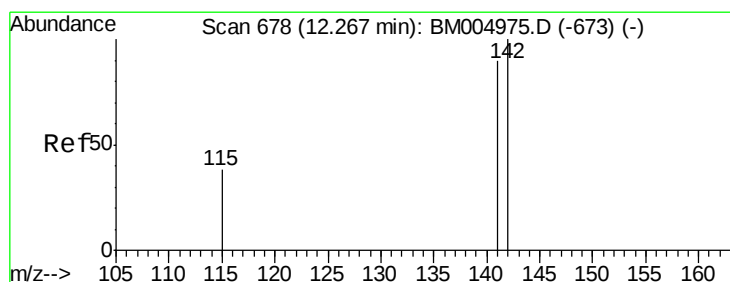
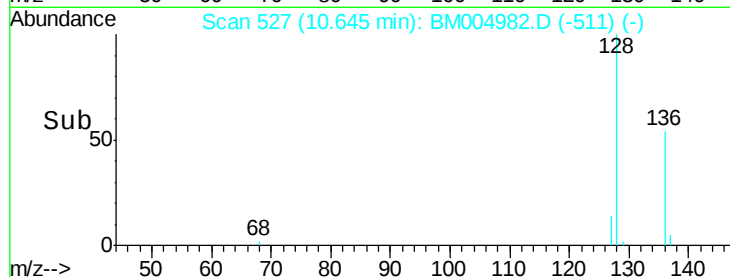
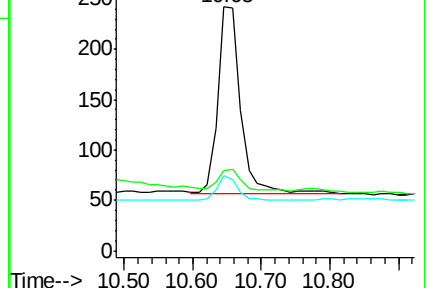
127 31.0 9.6 14.4#



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



#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.27 min Scan# 678

Delta R.T. 0.00 min

Lab File: BM004982.D

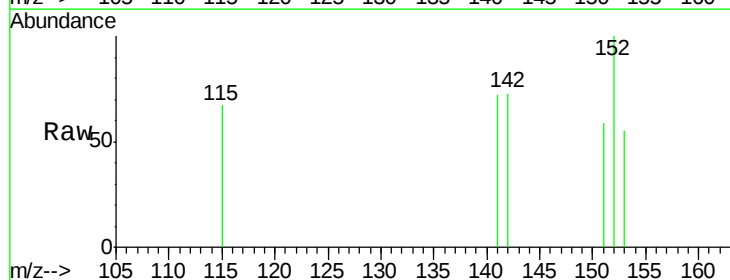
Acq: 18 Apr 2016 20:44

Tgt Ion:142 Resp: 57

Ion Ratio Lower Upper

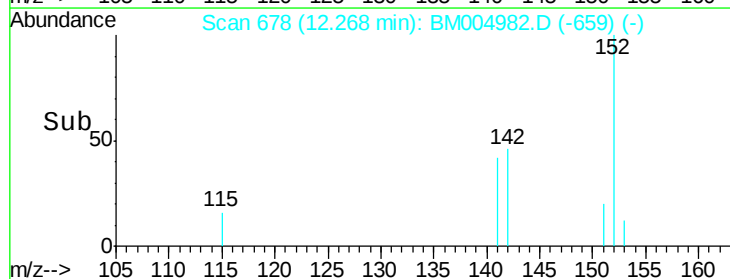
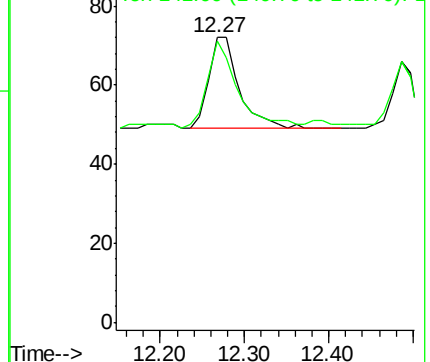
142 100

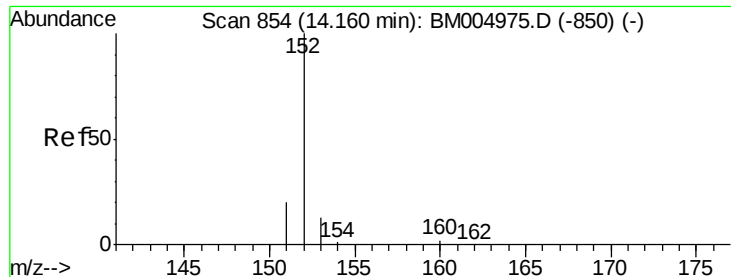
141 98.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.16 min Scan# 854

Delta R.T. 0.00 min

Lab File: BM004982.D

Acq: 18 Apr 2016 20:44

Instrument :

BNA_M

ClientSampled :

D9T98

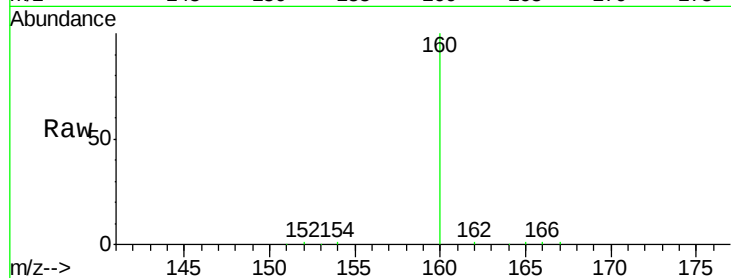
Tot Ion:152 Resp: 59

Ion Ratio Lower Upper

152 100

151 80.3 17.6 26.4#

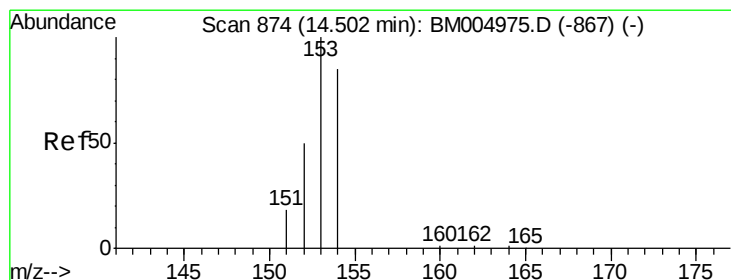
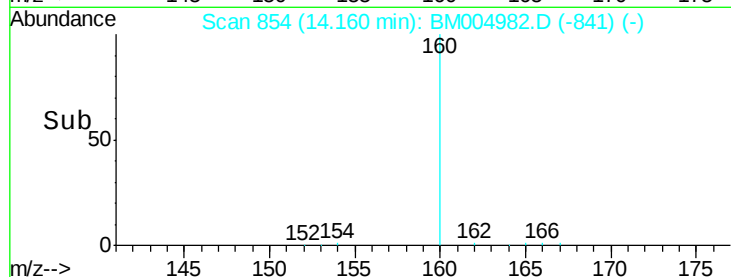
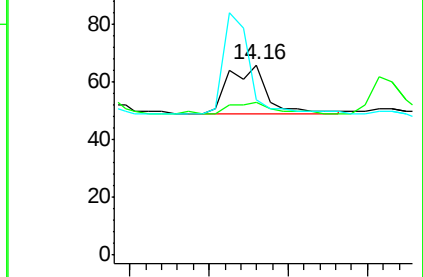
153 81.8 9.7 14.5#



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



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.50 min Scan# 874

Delta R.T. 0.00 min

Lab File: BM004982.D

Acq: 18 Apr 2016 20:44

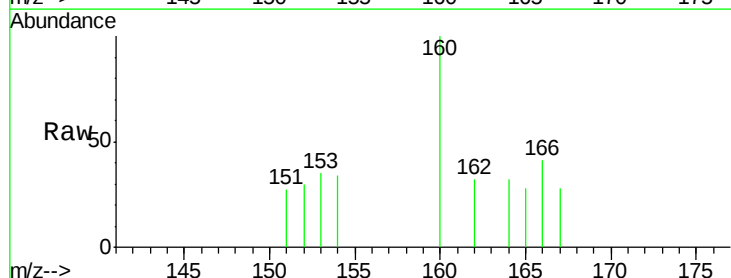
Tgt Ion:153 Resp: 31

Ion Ratio Lower Upper

153 100

152 84.1 33.9 50.9#

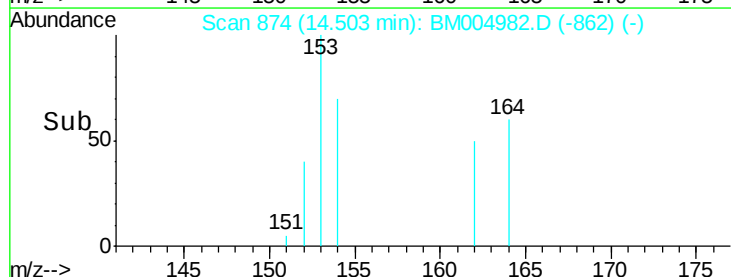
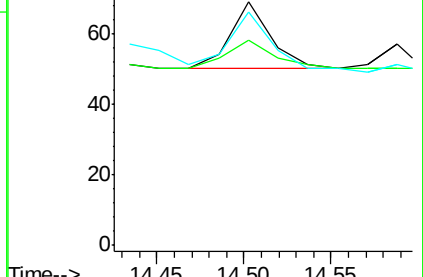
154 95.7 80.6 121.0

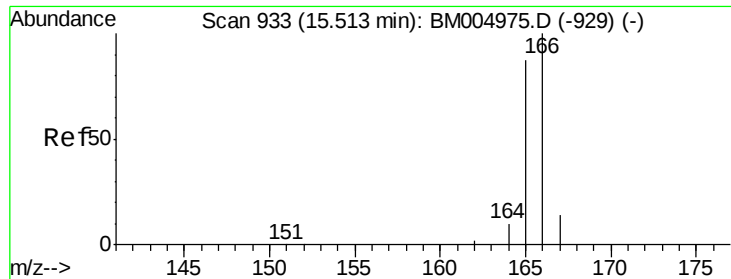


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

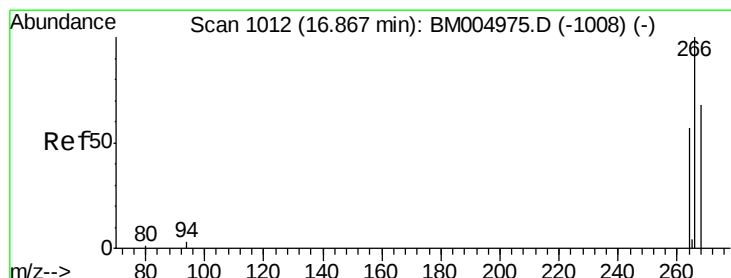
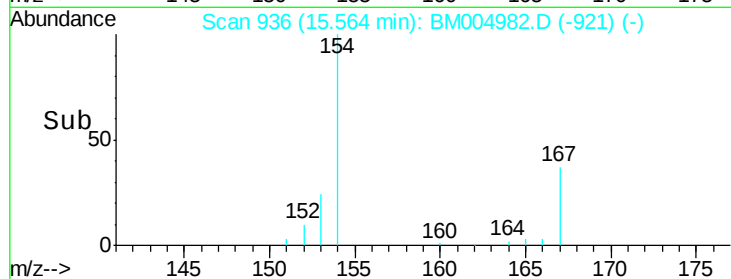
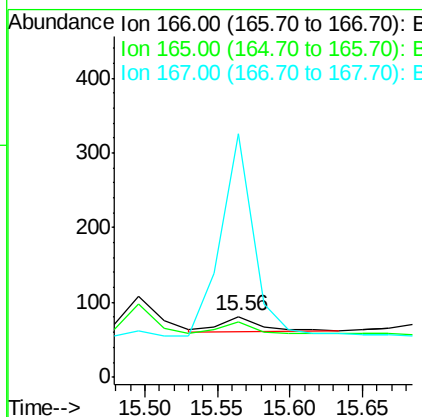
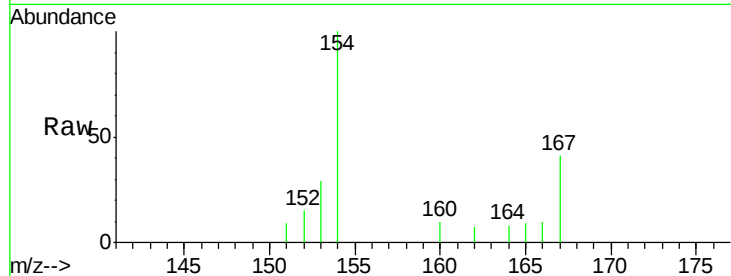




#11
Fluorene
 Concen: 0.00 ng/ul
 RT: 15.56 min Scan# 936
 Delta R.T. 0.05 min
 Lab File: BM004982.D
 Acq: 18 Apr 2016 20:44

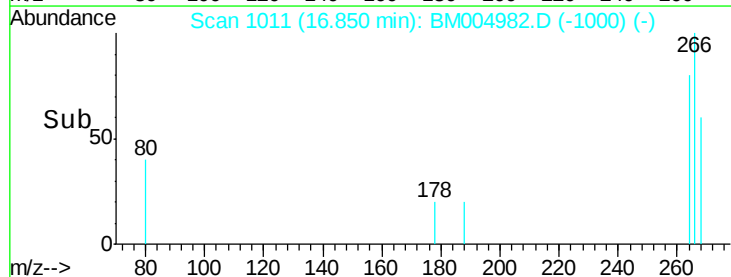
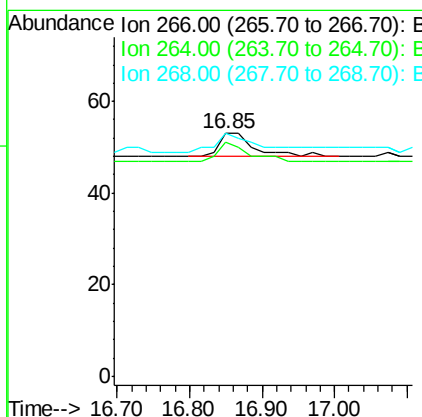
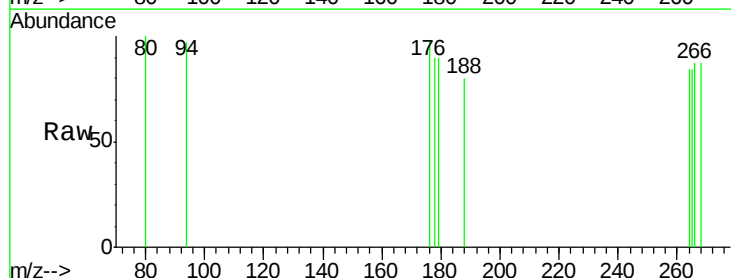
Instrument :
 BNA_M
 ClientSampleId :
 D9T98

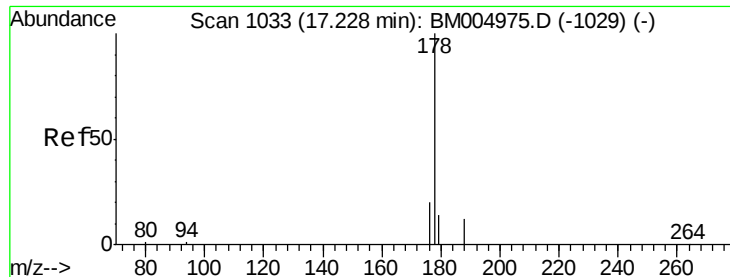
Tot Ion:166 Resp: 38
 Ion Ratio Lower Upper
 166 100
 165 91.4 69.6 104.4
 167 402.5 11.9 17.9#



#13
Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. -0.02 min
 Lab File: BM004982.D
 Acq: 18 Apr 2016 20:44

Tgt Ion:266 Resp: 17
 Ion Ratio Lower Upper
 266 100
 264 64.7 51.8 77.8
 268 135.3 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: BM004982.D

Acq: 18 Apr 2016 20:44

Instrument :

BNA_M

ClientSampleId :

D9T98

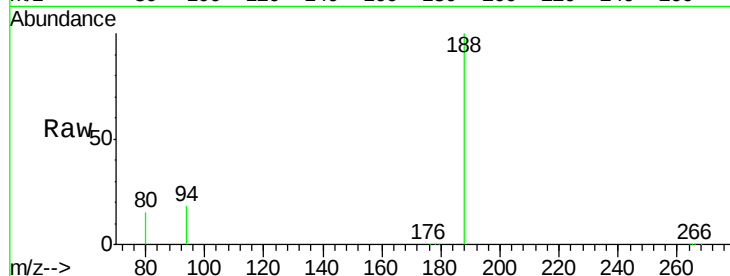
Tot Ion:178 Resp: 284

Ion Ratio Lower Upper

178 100

176 39.9 13.0 19.4#

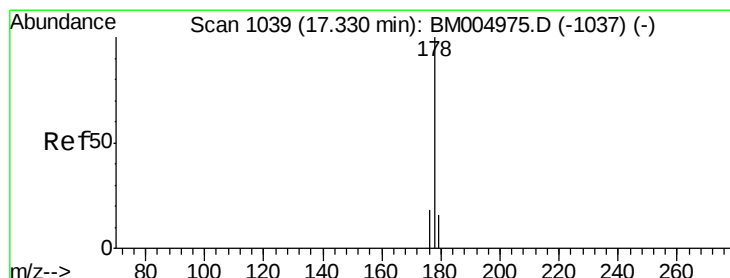
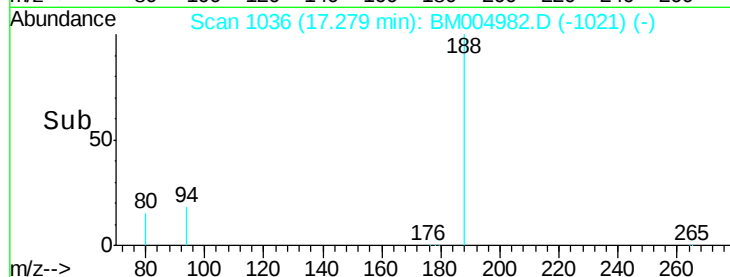
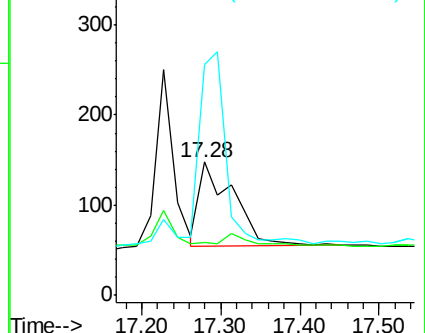
179 173.0 14.2 21.2#



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

Anthracene

Concen: 0.00 ng/ul

RT: 17.28 min Scan# 1036

Delta R.T. -0.05 min

Lab File: BM004982.D

Acq: 18 Apr 2016 20:44

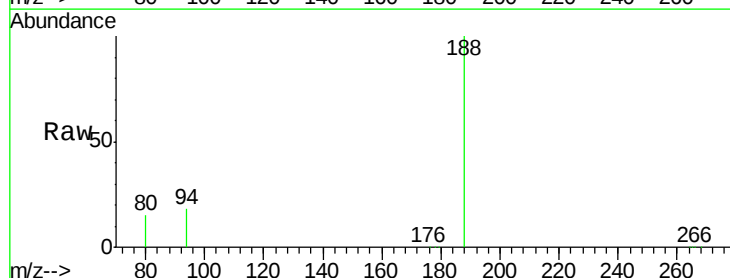
Tgt Ion:178 Resp: 303

Ion Ratio Lower Upper

178 100

176 39.9 14.0 21.0#

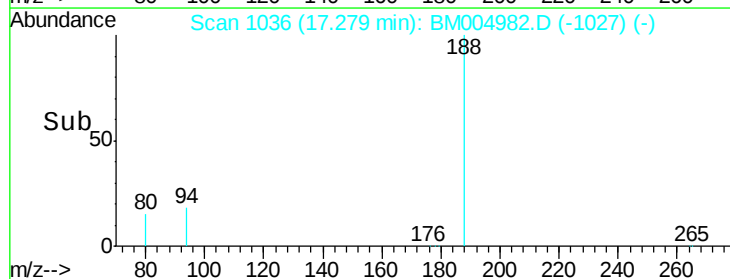
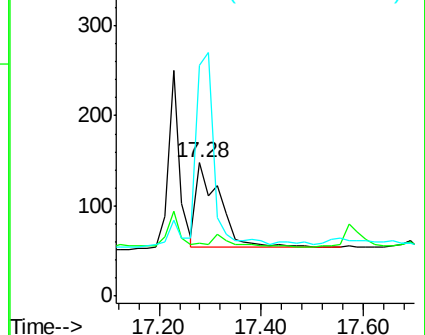
179 173.0 12.9 19.3#

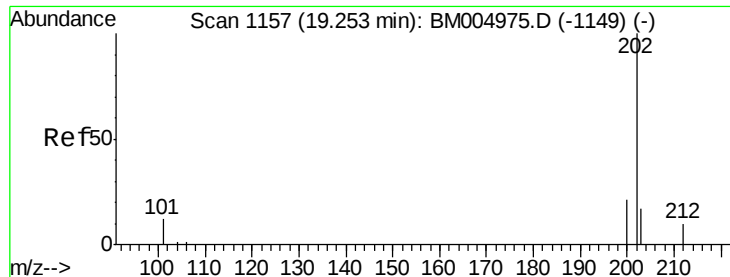


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.25 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BM004982.D

Acq: 18 Apr 2016 20:44

Instrument :

BNA_M

ClientSampleId :

D9T98

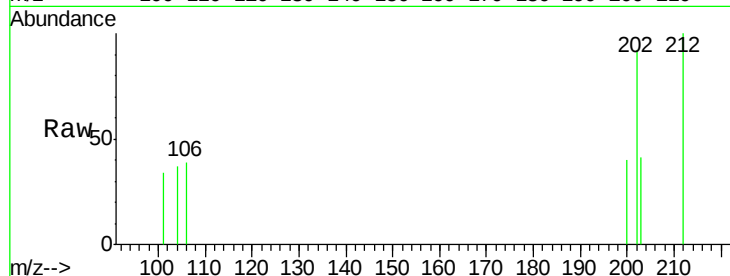
Tot Ion:202 Resp: 196

Ion Ratio Lower Upper

202 100

101 37.2 0.0 29.6#

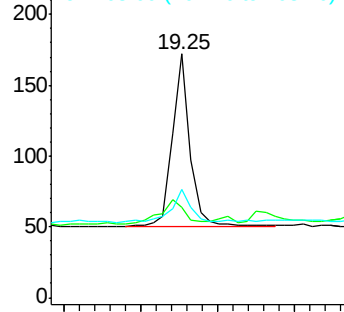
203 44.2 0.0 36.3#



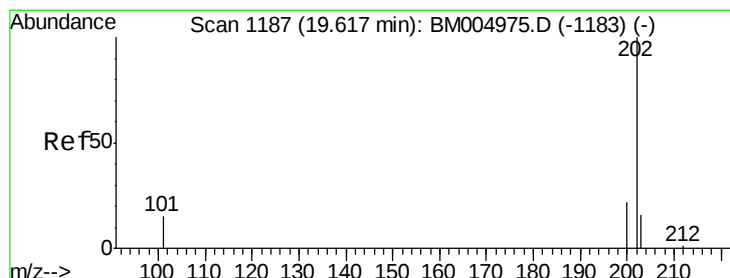
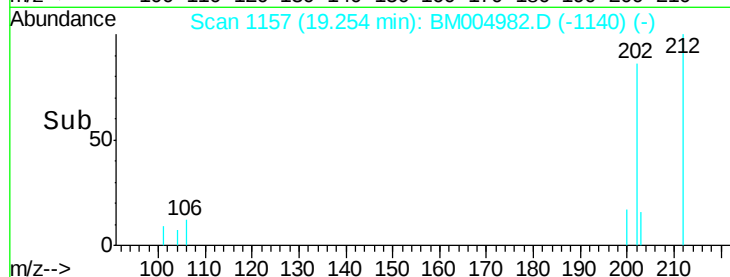
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.10 19.20 19.30 19.40



#19

Pyrene

Concen: 0.03 ng/ul

RT: 19.58 min Scan# 1184

Delta R.T. -0.04 min

Lab File: BM004982.D

Acq: 18 Apr 2016 20:44

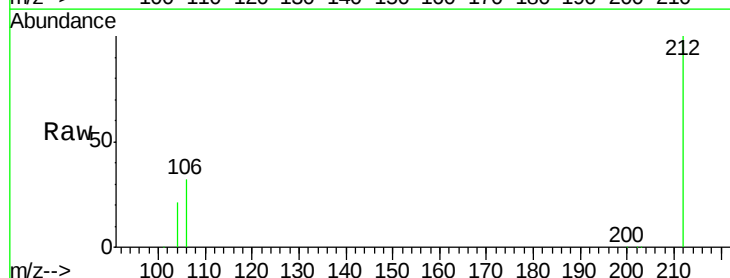
Tgt Ion:202 Resp: 769

Ion Ratio Lower Upper

202 100

200 15.3 17.8 26.8#

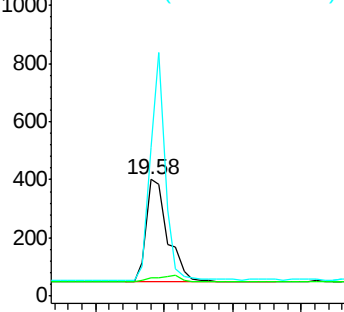
203 128.5 12.8 19.2#



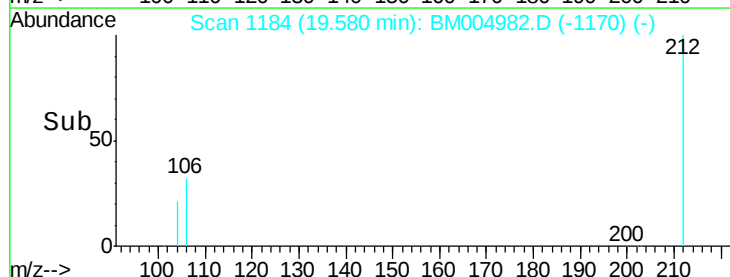
Abundance Ion 202.00 (201.70 to 202.70): E

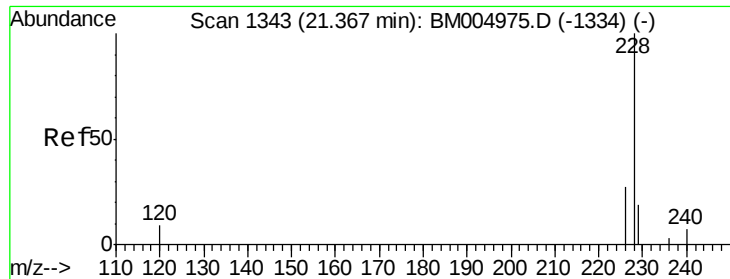
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.50 19.60 19.70 19.80





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BM004982.D

Acq: 18 Apr 2016 20:44

Instrument :

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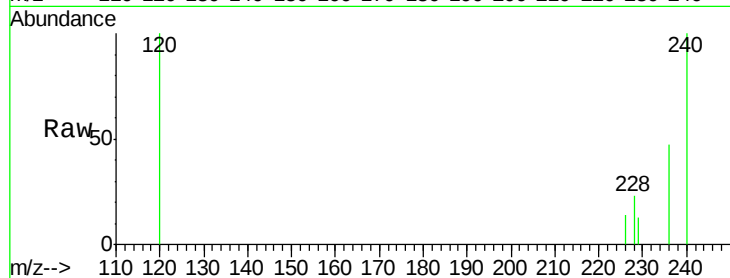
Tot Ion:228 Resp: 136

Ion Ratio Lower Upper

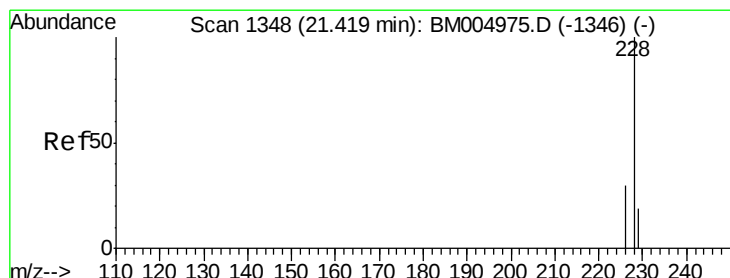
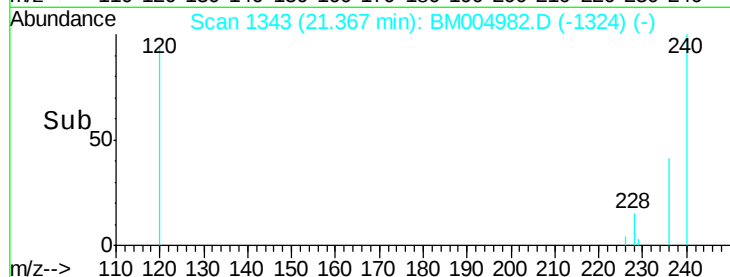
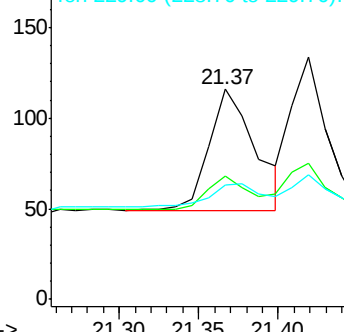
228 100

226 58.6 18.8 28.2#

229 54.3 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: 0.01 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BM004982.D

Acq: 18 Apr 2016 20:44

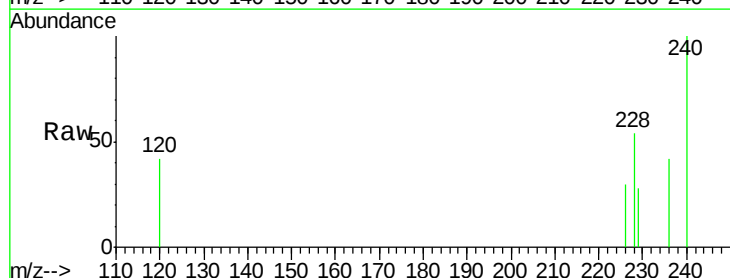
Tgt Ion:228 Resp: 144

Ion Ratio Lower Upper

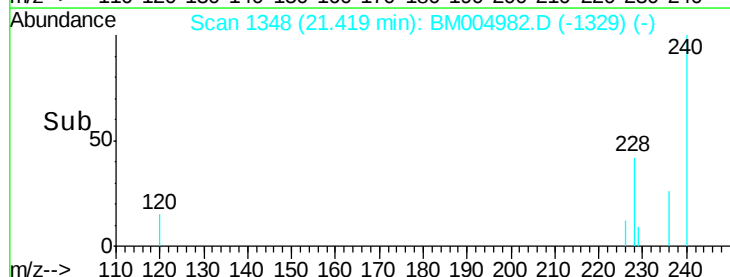
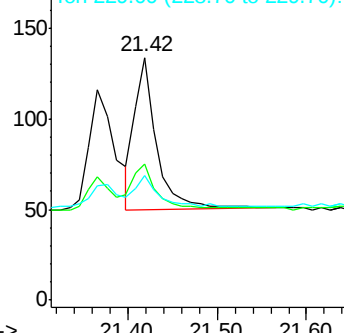
228 100

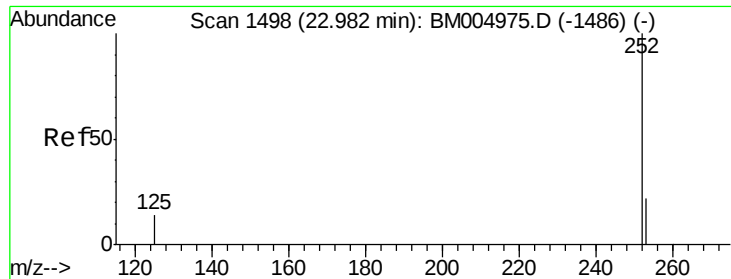
226 56.0 21.2 31.8#

229 51.5 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





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.98 min Scan# 1498

Delta R.T. 0.00 min

Lab File: BM004982.D

Acq: 18 Apr 2016 20:44

Instrument :

BNA_M

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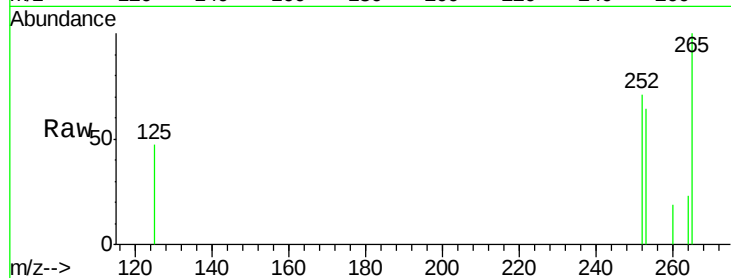
Tot Ion:252 Resp: 220

Ion Ratio Lower Upper

252 100

253 90.1 0.0 45.4#

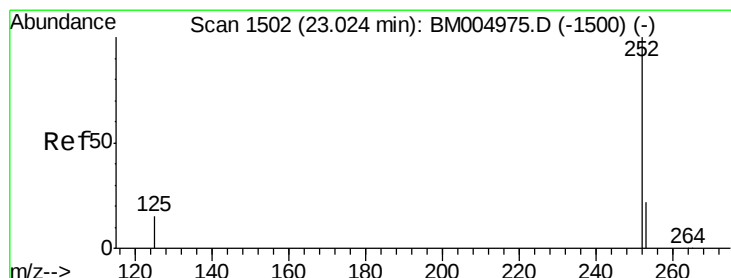
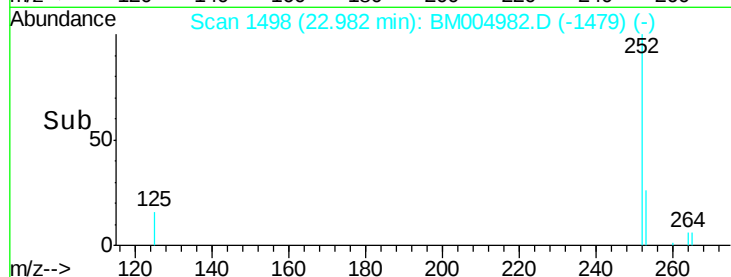
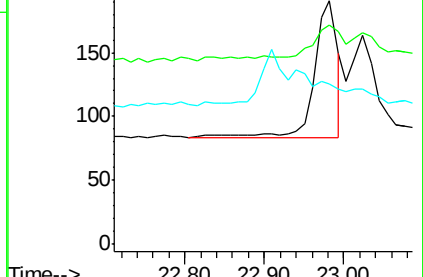
125 66.0 0.0 28.8#



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: 22.98 min Scan# 1498

Delta R.T. -0.04 min

Lab File: BM004982.D

Acq: 18 Apr 2016 20:44

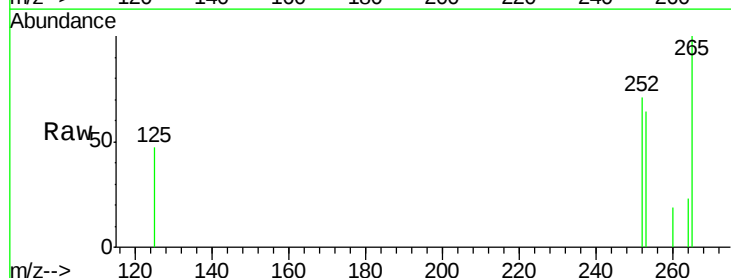
Tgt Ion:252 Resp: 248

Ion Ratio Lower Upper

252 100

253 90.1 19.8 29.8#

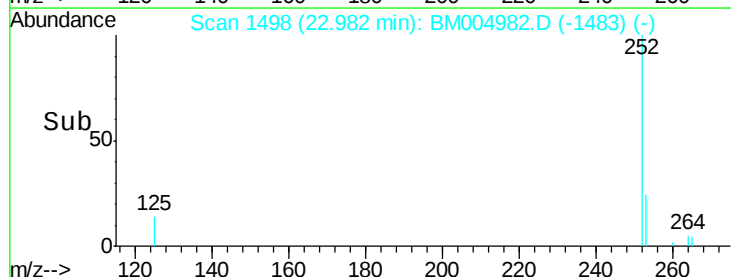
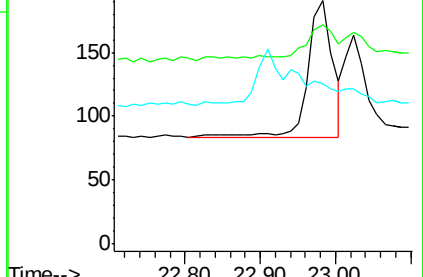
125 66.0 10.4 15.6#

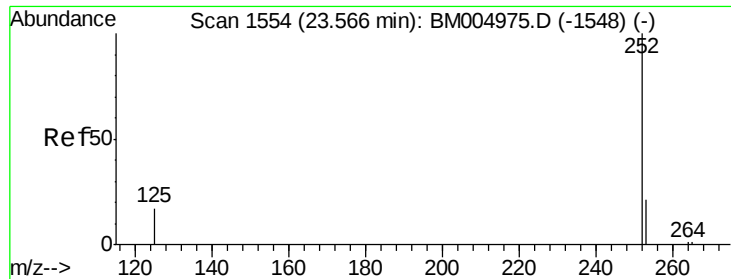


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.51 min Scan# 1549

Delta R.T. -0.05 min

Lab File: BM004982.D

Acq: 18 Apr 2016 20:44

Instrument :

BNA_M

ClientSampleId :

D9T98

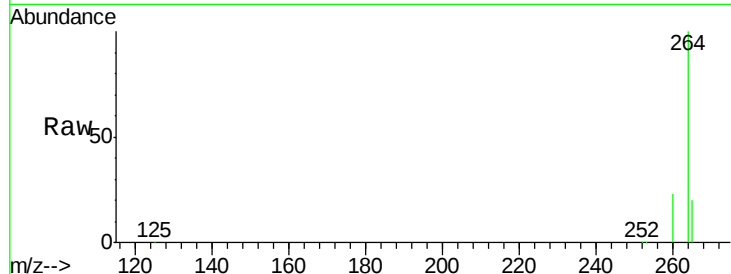
Tot Ion:252 Resp: 1230

Ion Ratio Lower Upper

252 100

253 47.9 19.4 29.2#

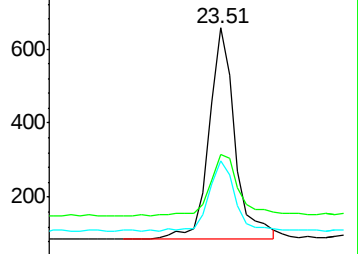
125 45.2 12.7 19.1#



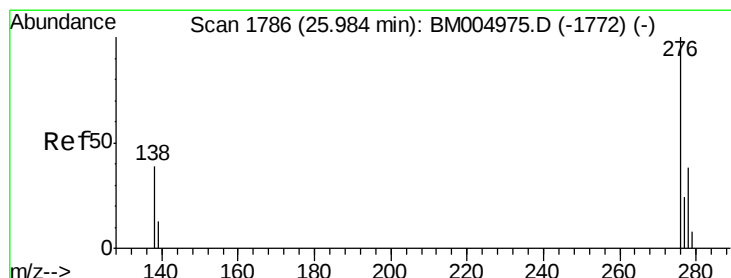
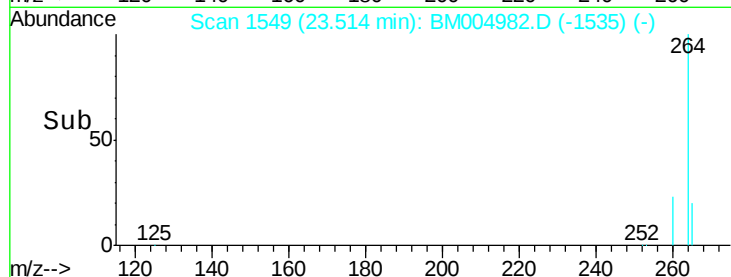
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.72 min Scan# 1761

Delta R.T. -0.26 min

Lab File: BM004982.D

Acq: 18 Apr 2016 20:44

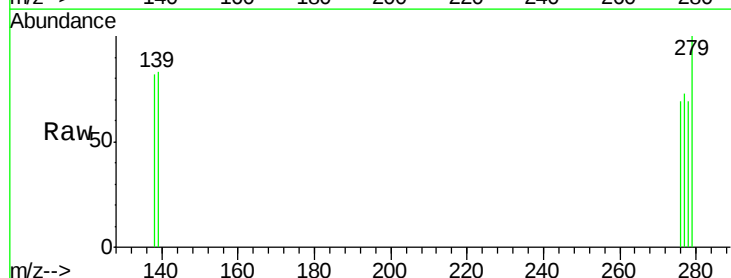
Tgt Ion:276 Resp: 6

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

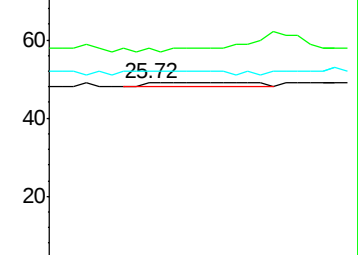
277 0.0 19.8 29.8#



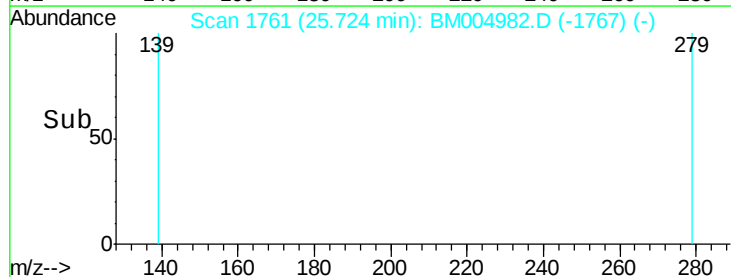
Abundance Ion 276.00 (275.70 to 276.70): E

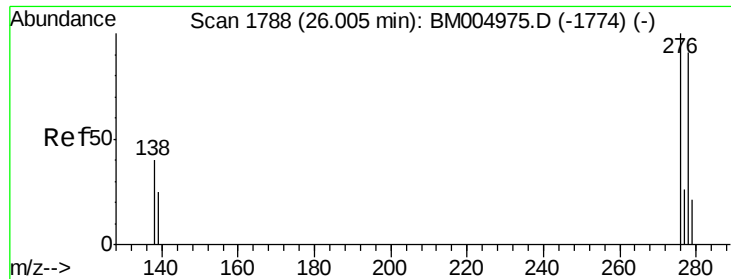
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.91 min Scan# 1779

Delta R.T. -0.09 min

Lab File: BM004982.D

Acq: 18 Apr 2016 20:44

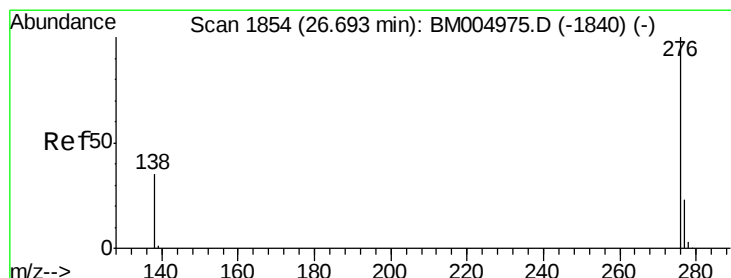
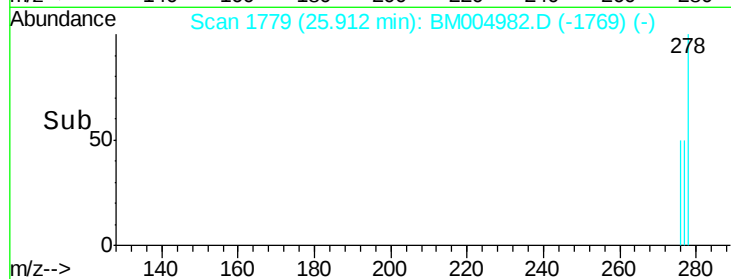
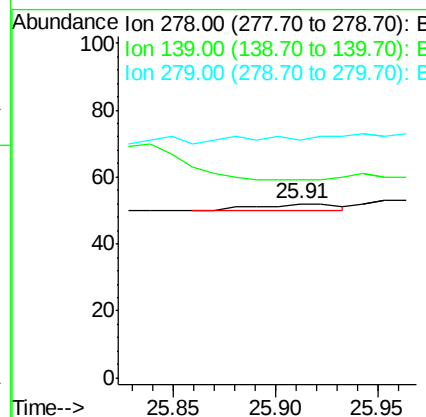
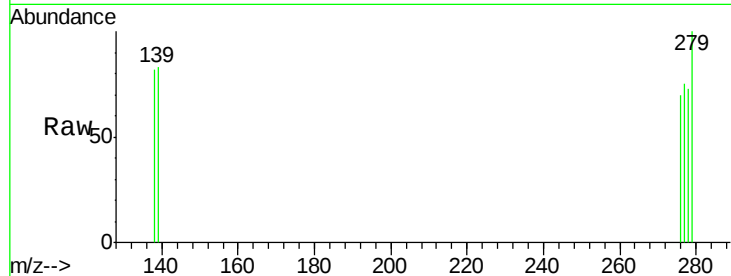
Instrument :

BNA_M

ClientSampleId :

D9T98

Tot Ion:278	Resp:	5
Ion	Ratio	Lower Upper
278	100	
139	113.5	16.4 24.6#
279	136.5	20.2 30.2#



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.51 min Scan# 1836

Delta R.T. -0.19 min

Lab File: BM004982.D

Acq: 18 Apr 2016 20:44

Tgt Ion:276	Resp:	4
Ion	Ratio	Lower Upper
276	100	
277	106.1	18.9 28.3#
138	118.4	22.5 33.7#

