

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041116\
 Data File : BM004933.D
 Acq On : 11 Apr 2016 11:55
 Operator : UM/SJ
 Sample : H2275-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9T74

Quant Time: Apr 12 01:13:44 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 12 01:10:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1463	0.40	ng/ul	0.00
4) Naphthalene-d8	10.61	136	6361	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.45	164	3654	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	444751	0.40	ng/ul	0.10
18) Chrysene-d12	21.39	240	8011	0.40	ng/ul	0.00
22) Perylene-d12	23.53	264	397017	0.40	ng/ul	-0.14

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.29	96	31039	47.08	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	12.20	152	2176	0.25	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	5878	0.01	ng/ul	0.00

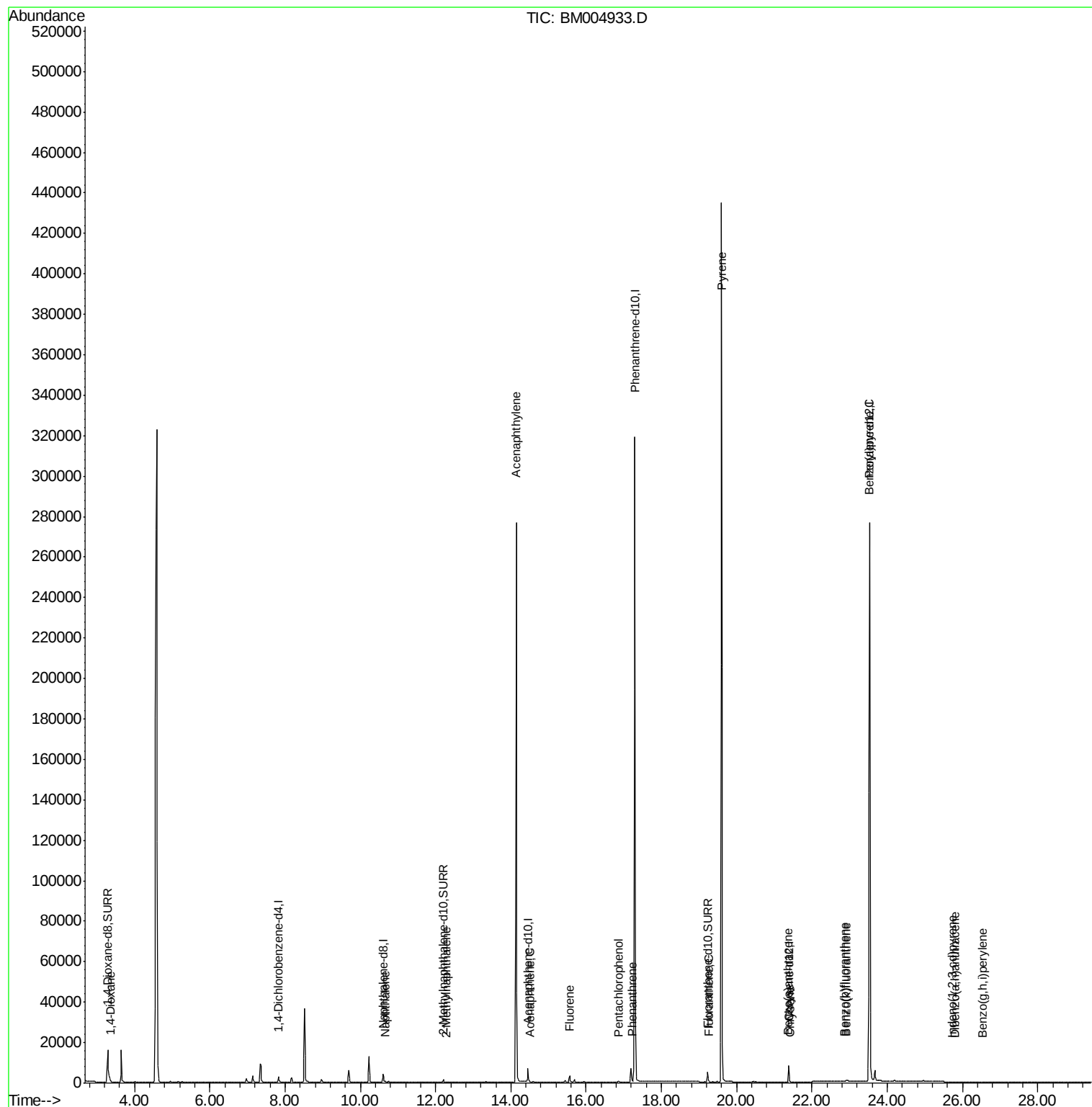
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.35	88	1011	1.26	ng/ul#	17
5) Naphthalene	10.66	128	673	0.04	ng/ul#	69
7) 2-Methylnaphthalene	12.28	142	86	0.01	ng/ul	89
9) Acenaphthylene	14.14	152	43	0.00	ng/ul#	1
10) Acenaphthene	14.50	153	38	0.00	ng/ul#	73
11) Fluorene	15.56	166	59	0.00	ng/ul#	1
13) Pentachlorophenol	16.85	266	261	0.00	ng/ul	94
14) Phenanthrene	17.23	178	463	0.00	ng/ul#	60
17) Fluoranthene	19.25	202	650	0.00	ng/ul	66
19) Pyrene	19.59	202	1132	0.04	ng/ul#	1
20) Benzo(a)anthracene	21.37	228	102	0.00	ng/ul#	1
21) Chrysene	21.42	228	92	0.00	ng/ul#	3
23) Benzo(b)fluoranthene	22.86	252	3	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.90	252	5	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.52	252	1581	0.00	ng/ul#	28
26) Indeno(1,2,3-cd)pyrene	25.72	276	1	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.81	278	3	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.53	276	1	0.00	ng/ul#	1

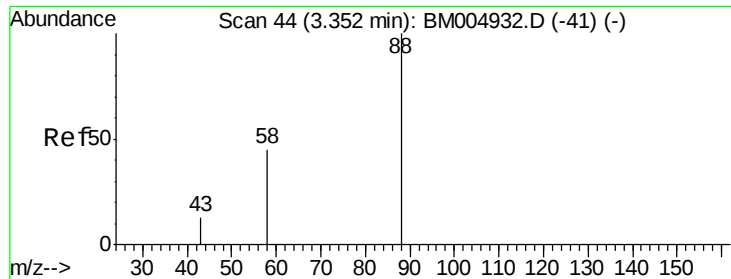
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.26 ng/ul

RT: 3.35 min Scan# 44

Delta R.T. -0.00 min

Lab File: BM004933.D

Acq: 11 Apr 2016 11:55

Instrument :

BNA_M

ClientSampleId :

D9T74

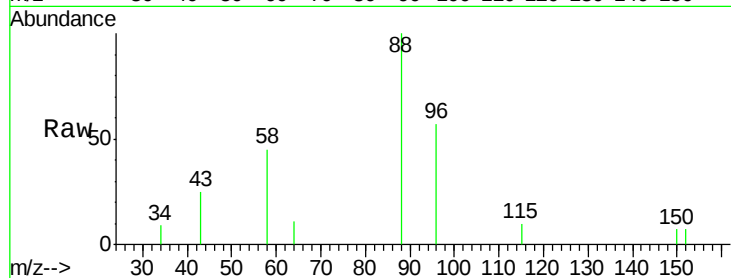
Tgt Ion: 88 Resp: 1011

Ion Ratio Lower Upper

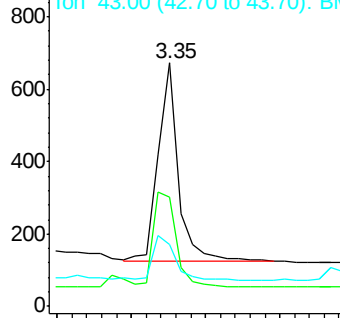
88 100

58 56.0 8.0 12.0#

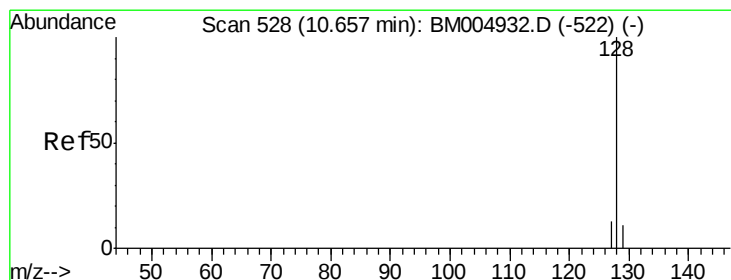
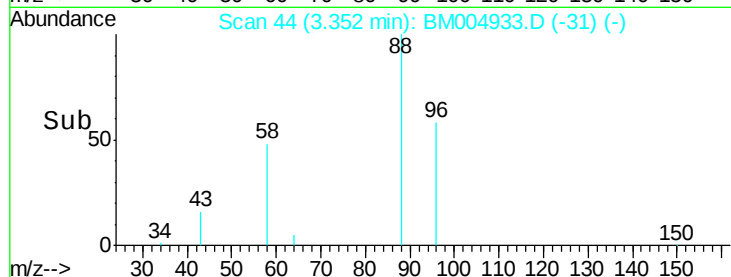
43 25.2 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM004933.D (-41) (-)



Time-->



#5

Naphthalene

Concen: 0.04 ng/ul

RT: 10.66 min Scan# 528

Delta R.T. -0.00 min

Lab File: BM004933.D

Acq: 11 Apr 2016 11:55

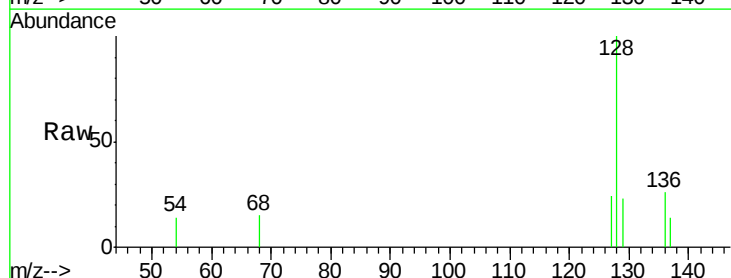
Tgt Ion: 128 Resp: 673

Ion Ratio Lower Upper

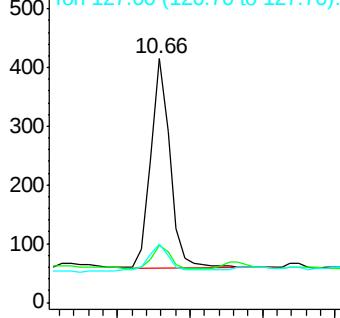
128 100

129 23.1 9.0 13.6#

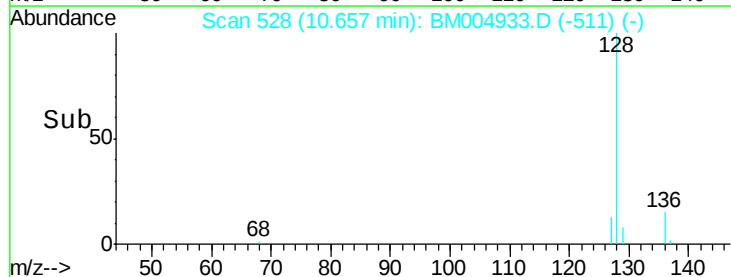
127 23.9 9.6 14.4#

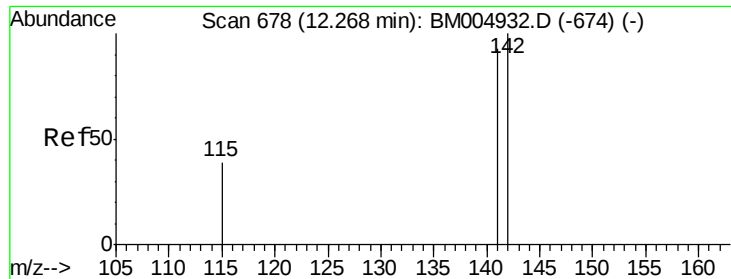


Abundance Ion 128.00 (127.70 to 128.70): BM004933.D (-511) (-)



Time-->





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.01 min

Lab File: BM004933.D

Acq: 11 Apr 2016 11:55

Instrument :

BNA_M

ClientSampleId :

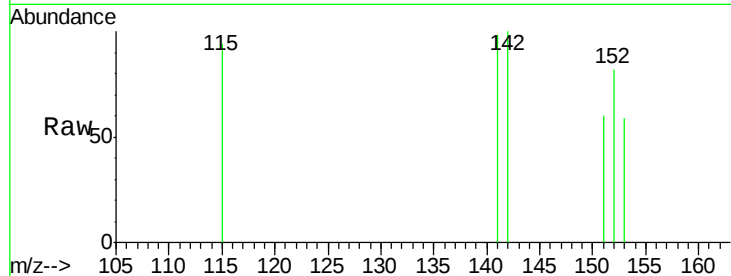
D9T74

Tgt Ion:142 Resp: 86

Ion Ratio Lower Upper

142 100

141 97.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.28

100

80

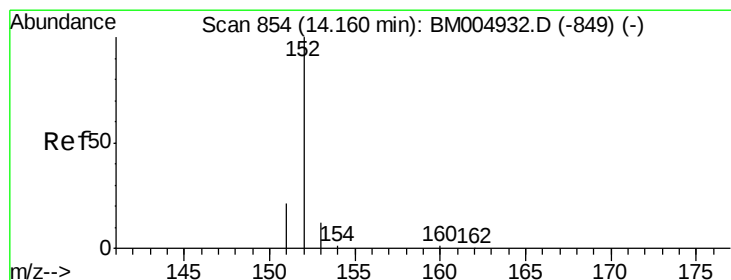
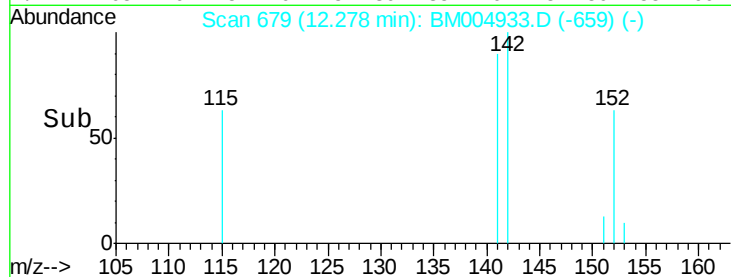
60

40

20

0

Time--> 12.20 12.30 12.40



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.02 min

Lab File: BM004933.D

Acq: 11 Apr 2016 11:55

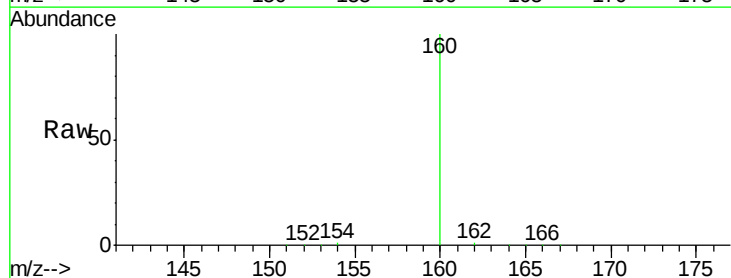
Tgt Ion:152 Resp: 43

Ion Ratio Lower Upper

152 100

151 86.4 17.6 26.4#

153 159.1 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

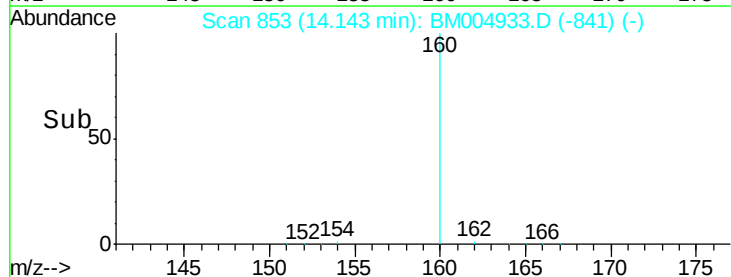
14.14

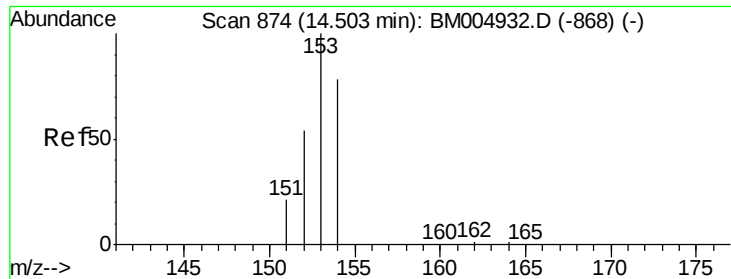
100

50

0

Time--> 14.10 14.20





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.50 min Scan# 874

Delta R.T. -0.00 min

Lab File: BM004933.D

Acq: 11 Apr 2016 11:55

Instrument :

BNA_M

ClientSampleId :

D9T74

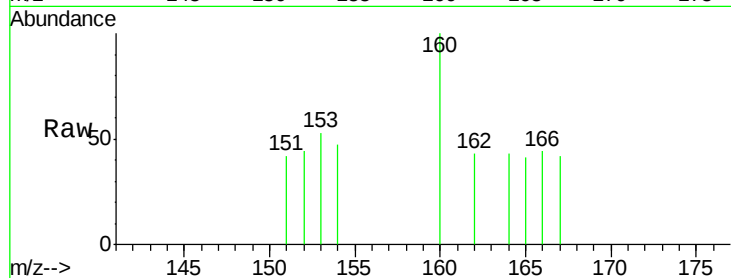
Tgt Ion:153 Resp: 38

Ion Ratio Lower Upper

153 100

152 83.8 33.9 50.9#

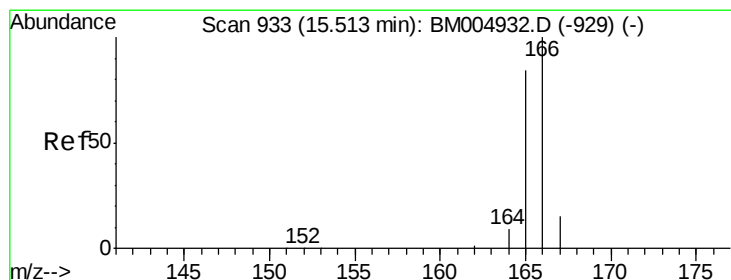
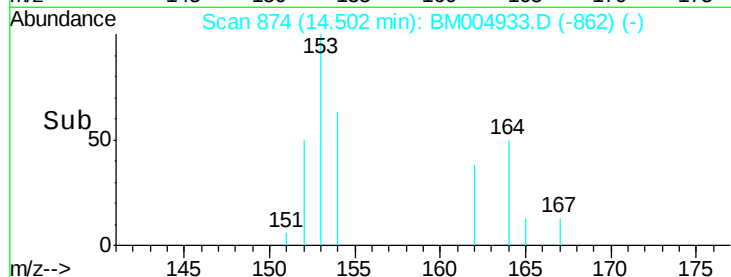
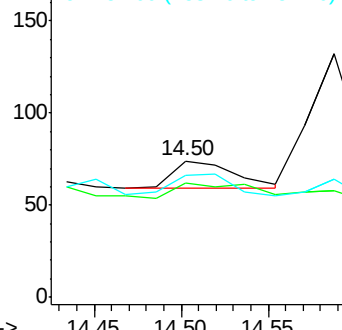
154 89.2 80.6 121.0



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: BM004933.D

Acq: 11 Apr 2016 11:55

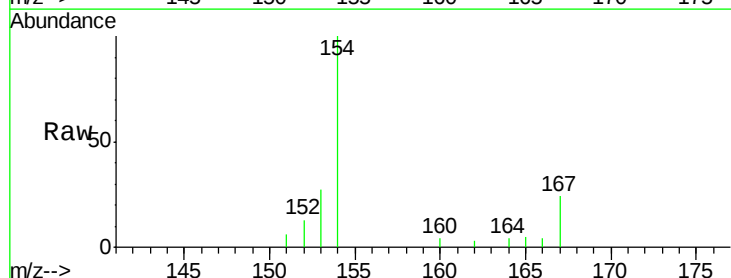
Tgt Ion:166 Resp: 59

Ion Ratio Lower Upper

166 100

165 110.6 69.6 104.4#

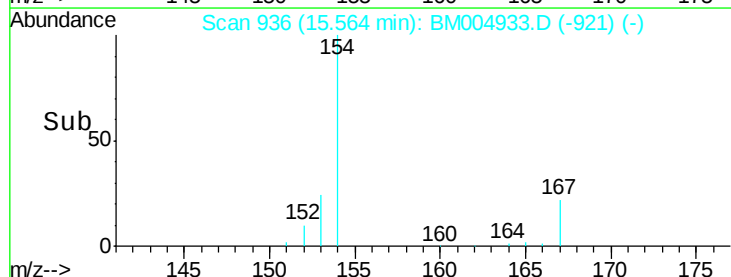
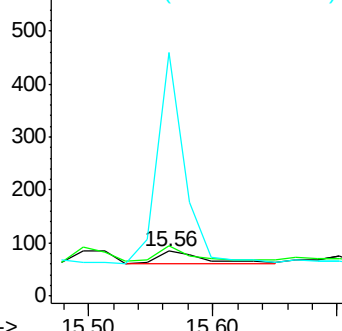
167 540.0 11.9 17.9#

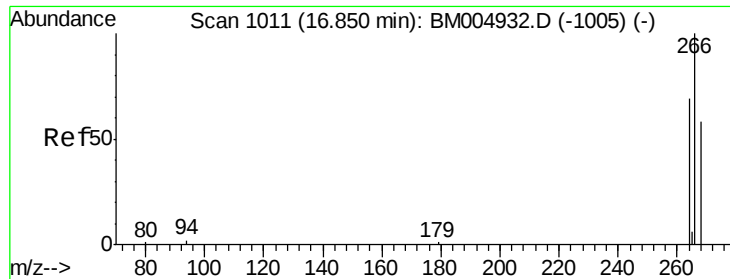


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

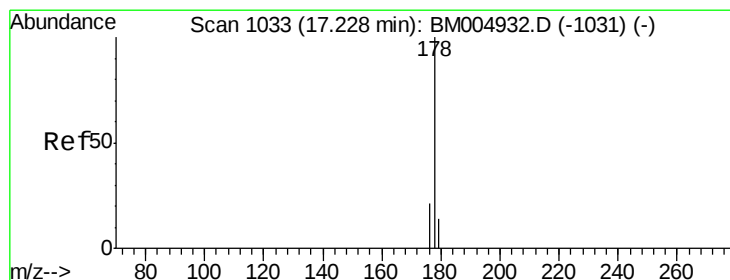
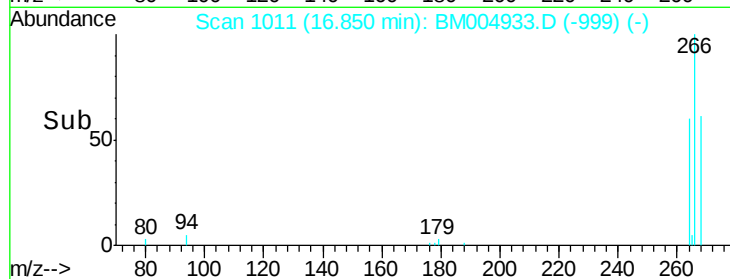
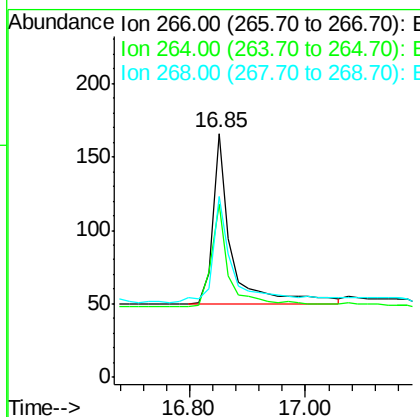
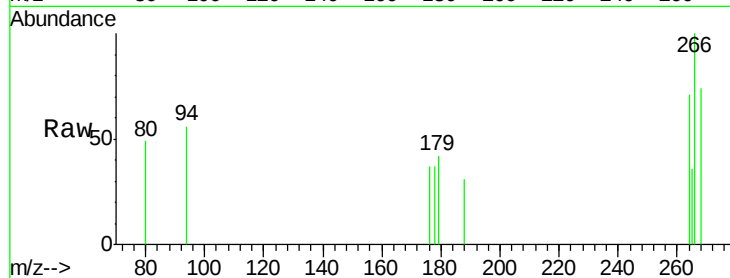




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: BM004933.D
 Acq: 11 Apr 2016 11:55

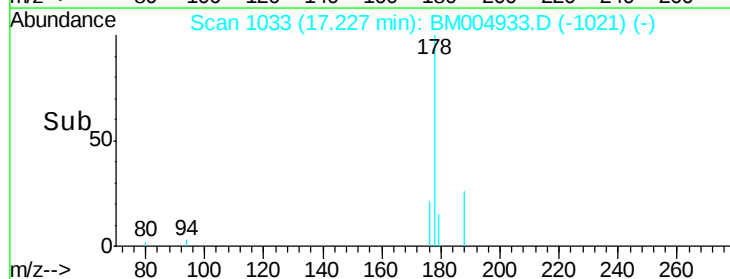
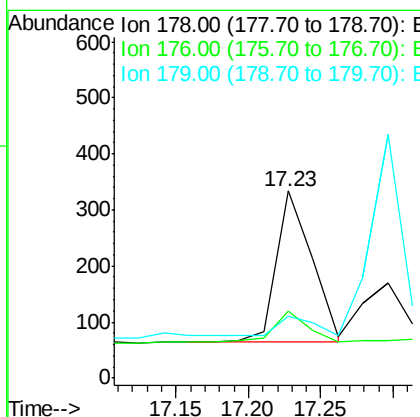
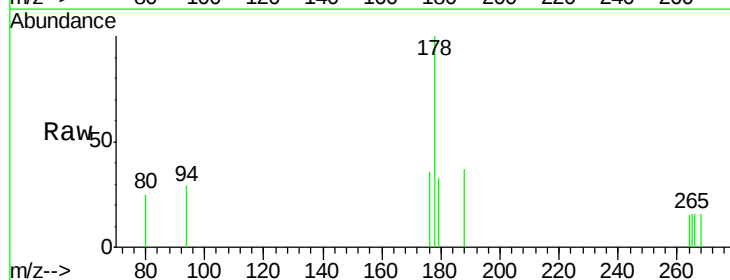
Instrument :
 BNA_M
 ClientSampleId :
 D9T74

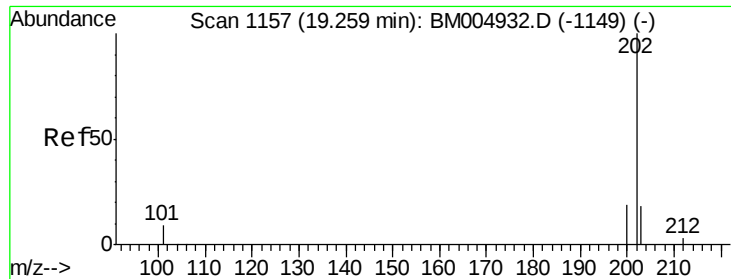
Tgt Ion: 266 Resp: 261
 Ion Ratio Lower Upper
 266 100
 264 61.7 51.8 77.8
 268 64.0 46.8 70.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.23 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BM004933.D
 Acq: 11 Apr 2016 11:55

Tgt Ion: 178 Resp: 463
 Ion Ratio Lower Upper
 178 100
 176 36.0 13.0 19.4#
 179 33.0 14.2 21.2#





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.25 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BM004933.D

Acq: 11 Apr 2016 11:55

Instrument :

BNA_M

ClientSampleId :

D9T74

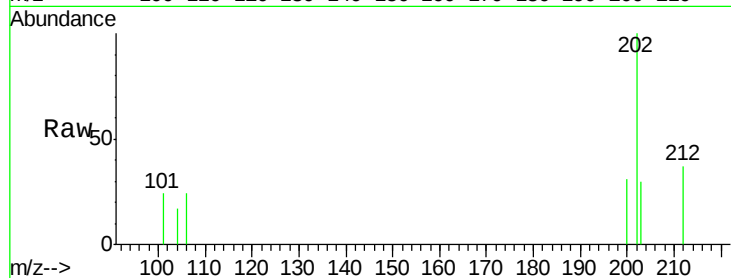
Tgt Ion:202 Resp: 650

Ion Ratio Lower Upper

202 100

101 23.6 0.0 29.6

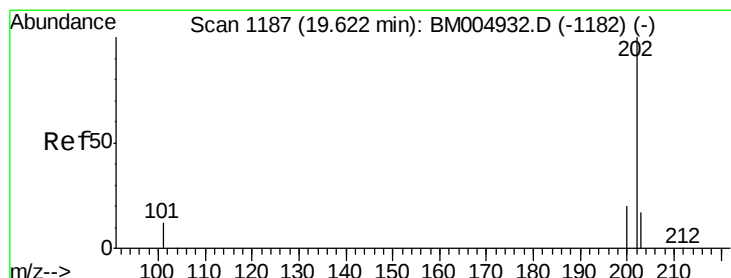
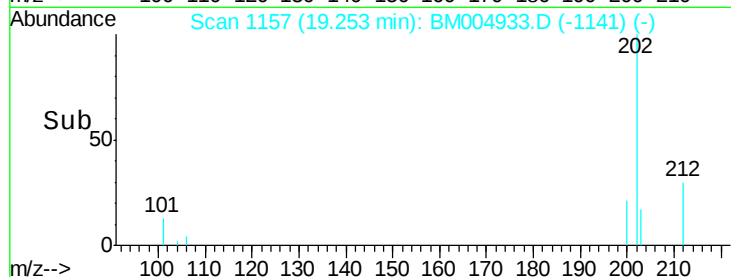
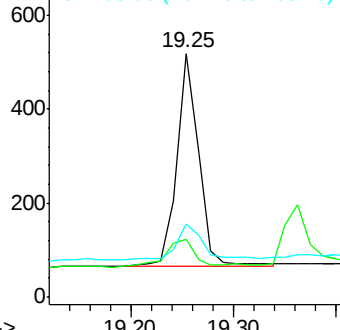
203 29.9 0.0 36.3



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

Pyrene

Concen: 0.04 ng/ul

RT: 19.59 min Scan# 1185

Delta R.T. -0.03 min

Lab File: BM004933.D

Acq: 11 Apr 2016 11:55

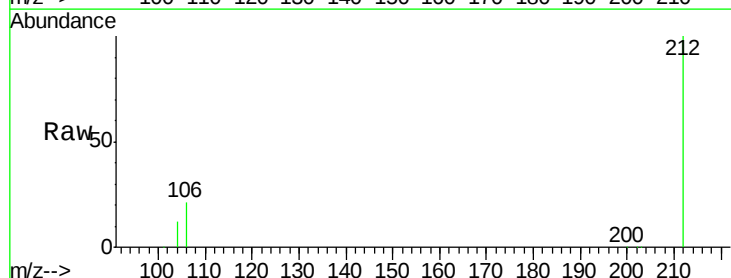
Tgt Ion:202 Resp: 1132

Ion Ratio Lower Upper

202 100

200 13.7 17.8 26.8#

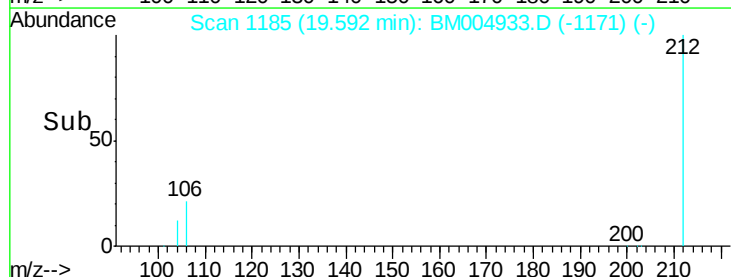
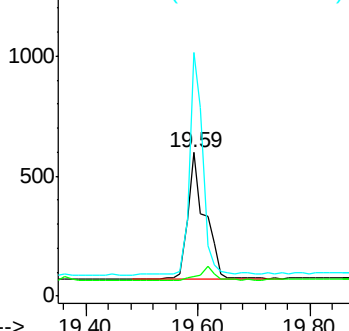
203 169.4 12.8 19.2#

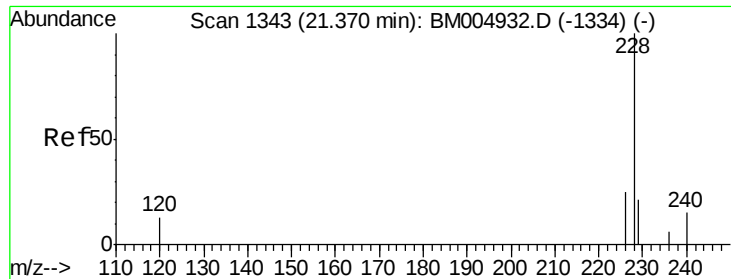


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM004933.D

Acq: 11 Apr 2016 11:55

Instrument :

BNA_M

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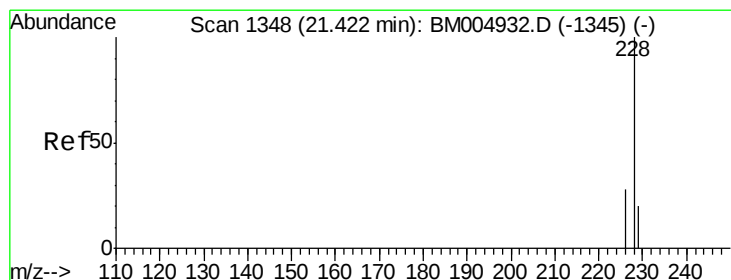
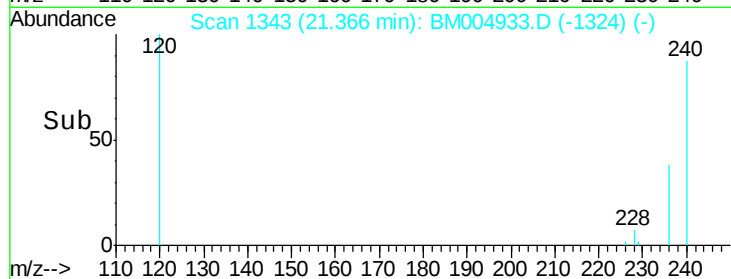
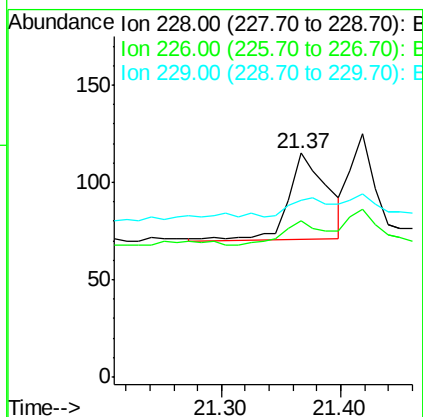
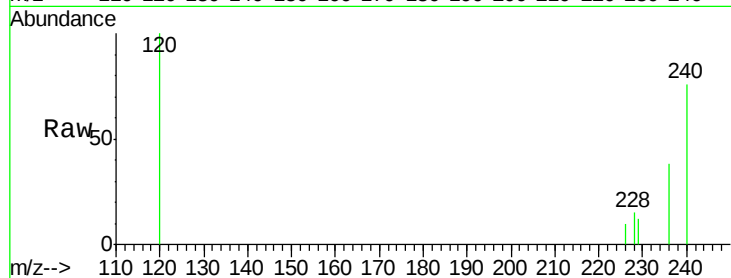
Tgt Ion:228 Resp: 102

Ion Ratio Lower Upper

228 100

226 69.6 18.8 28.2#

229 79.1 17.1 25.7#



#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BM004933.D

Acq: 11 Apr 2016 11:55

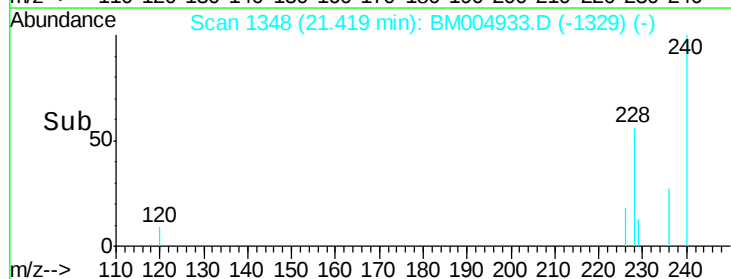
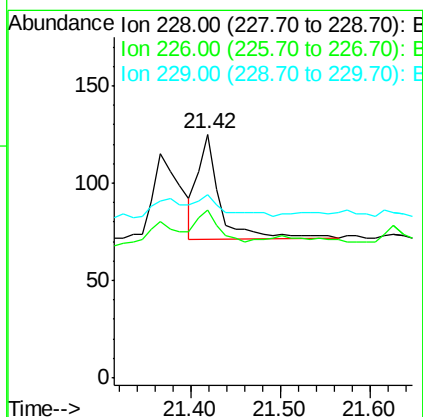
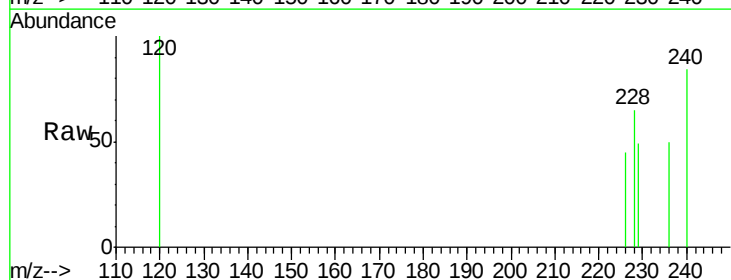
Tgt Ion:228 Resp: 92

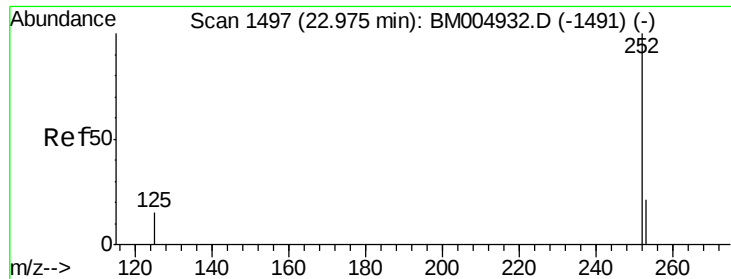
Ion Ratio Lower Upper

228 100

226 68.8 21.2 31.8#

229 75.2 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.12 min

Lab File: BM004933.D

Acq: 11 Apr 2016 11:55

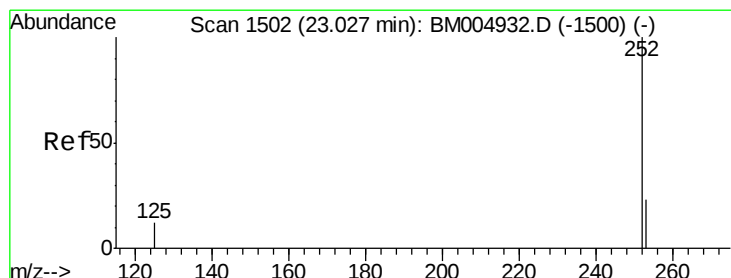
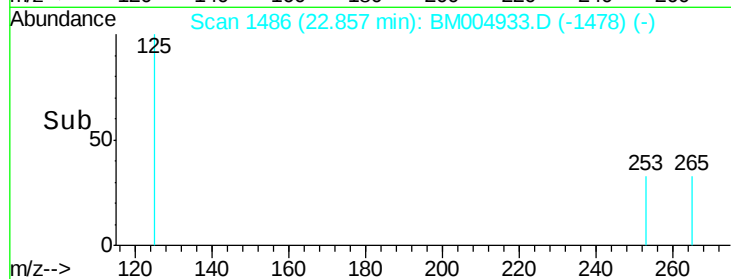
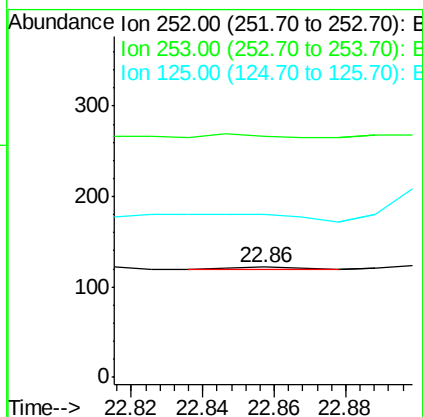
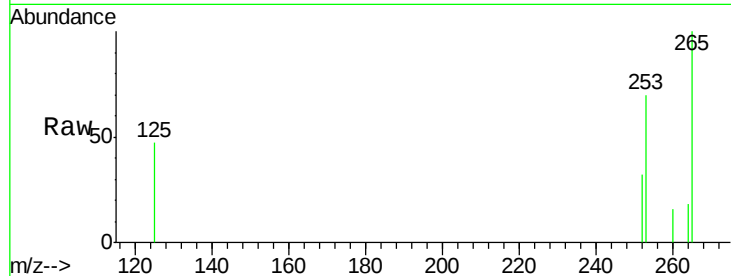
Instrument :

BNA_M

ClientSampleId :

D9T74

Tgt Ion:	252	Resp:	3
Ion	Ratio	Lower	Upper
252	100		
253	218.9	0.0	45.4#
125	147.5	0.0	28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

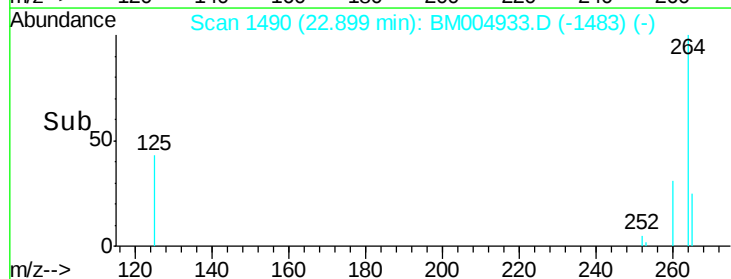
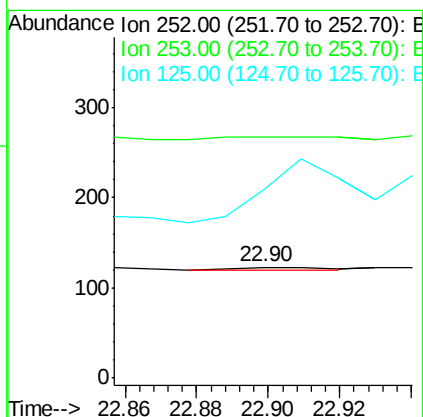
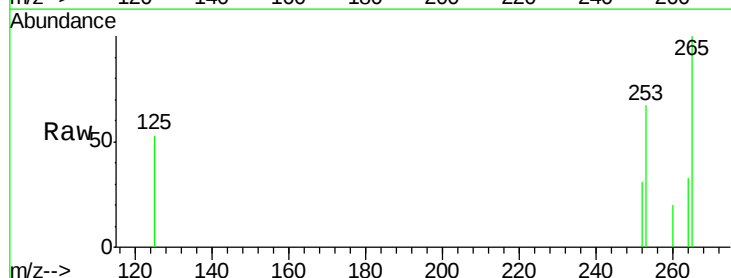
RT: 22.90 min Scan# 1490

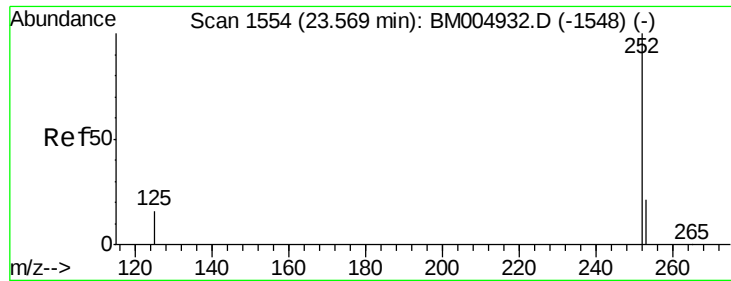
Delta R.T. -0.13 min

Lab File: BM004933.D

Acq: 11 Apr 2016 11:55

Tgt Ion:	252	Resp:	5
Ion	Ratio	Lower	Upper
252	100		
253	217.9	19.8	29.8#
125	169.9	10.4	15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.52 min Scan# 1550

Delta R.T. -0.05 min

Lab File: BM004933.D

Acq: 11 Apr 2016 11:55

Instrument :

BNA_M

ClientSampleId :

D9T74

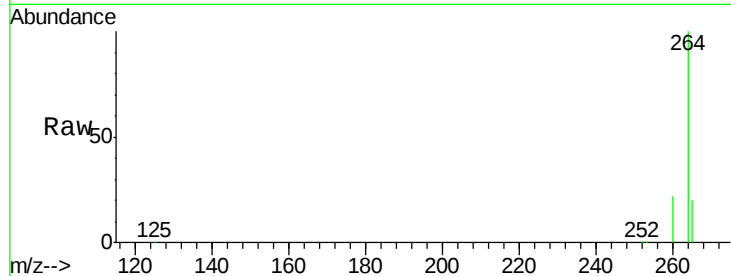
Tgt Ion: 252 Resp: 1581

Ion Ratio Lower Upper

252 100

253 54.2 19.4 29.2#

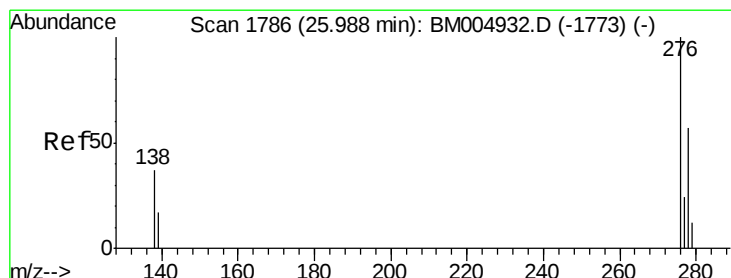
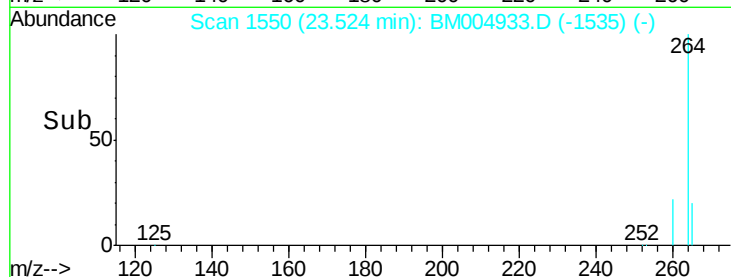
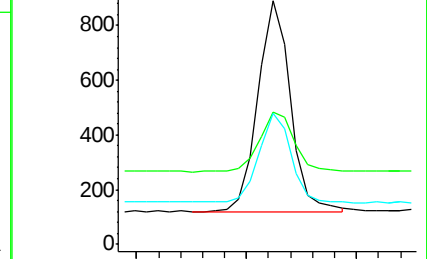
125 53.6 12.7 19.1#



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



#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: BM004933.D

Acq: 11 Apr 2016 11:55

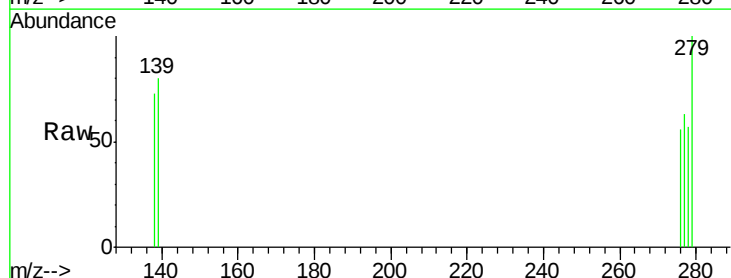
Tgt Ion: 276 Resp: 1

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

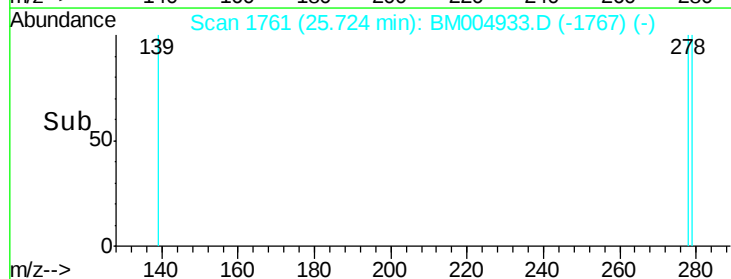
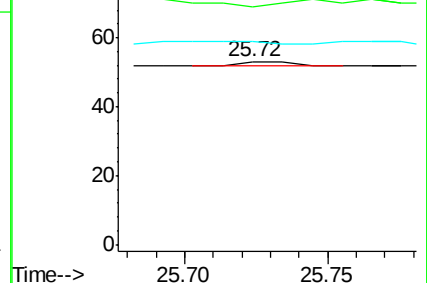
277 0.0 19.8 29.8#

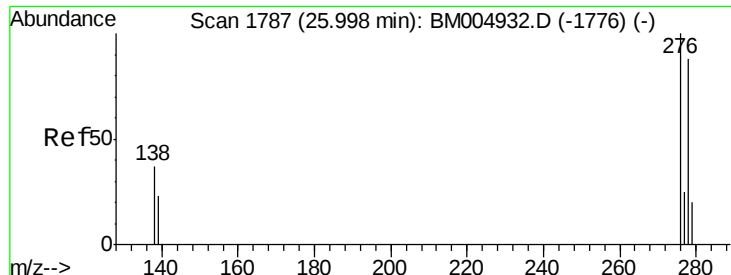


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.81 min Scan# 1769

Delta R.T. -0.19 min

Lab File: BM004933.D

Acq: 11 Apr 2016 11:55

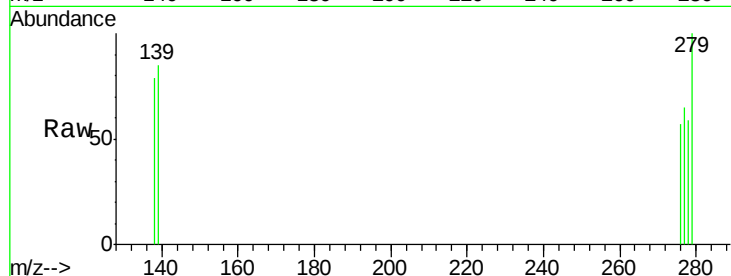
Instrument :

BNA_M

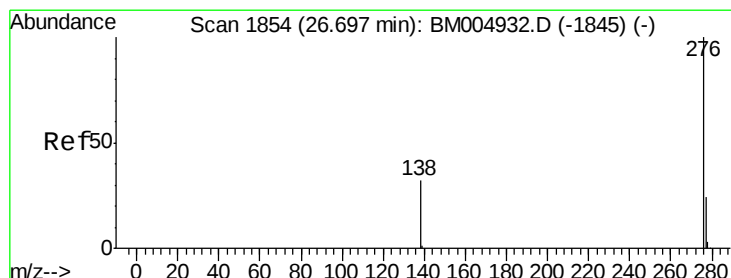
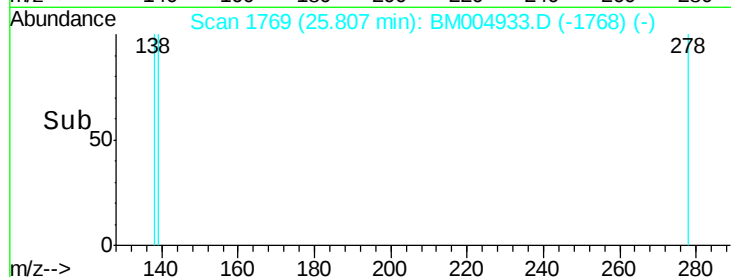
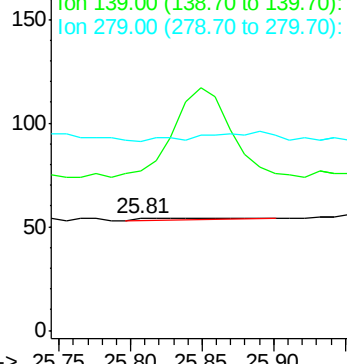
ClientSampleId :

D9T74

Tgt Ion:	278	Resp:	3
Ion	Ratio	Lower	Upper
278	100		
139	142.6	16.4	24.6#
279	168.5	20.2	30.2#



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



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

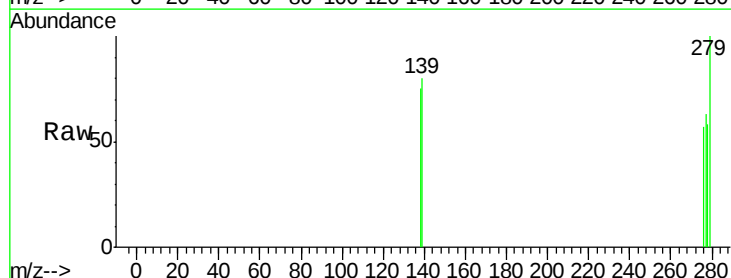
RT: 26.53 min Scan# 1838

Delta R.T. -0.17 min

Lab File: BM004933.D

Acq: 11 Apr 2016 11:55

Tgt Ion:	276	Resp:	1
Ion	Ratio	Lower	Upper
276	100		
277	111.5	18.9	28.3#
138	132.7	22.5	33.7#



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

