

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041816\
 Data File : BM004983.D
 Acq On : 18 Apr 2016 21:21
 Operator : UM/SJ
 Sample : H2298-17
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9T99

Quant Time: Apr 19 08:28:46 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	1785	0.40	ng/ul	0.00
4) Naphthalene-d8	10.61	136	7411	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.45	164	3916	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.28	188	392707	0.40	ng/ul	0.09
18) Chrysene-d12	21.39	240	5872	0.40	ng/ul	0.00
22) Perylene-d12	23.51	264	279721	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.31	96	1791	2.08	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.19	152	2406	0.27	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	4332	0.01	ng/ul	0.00

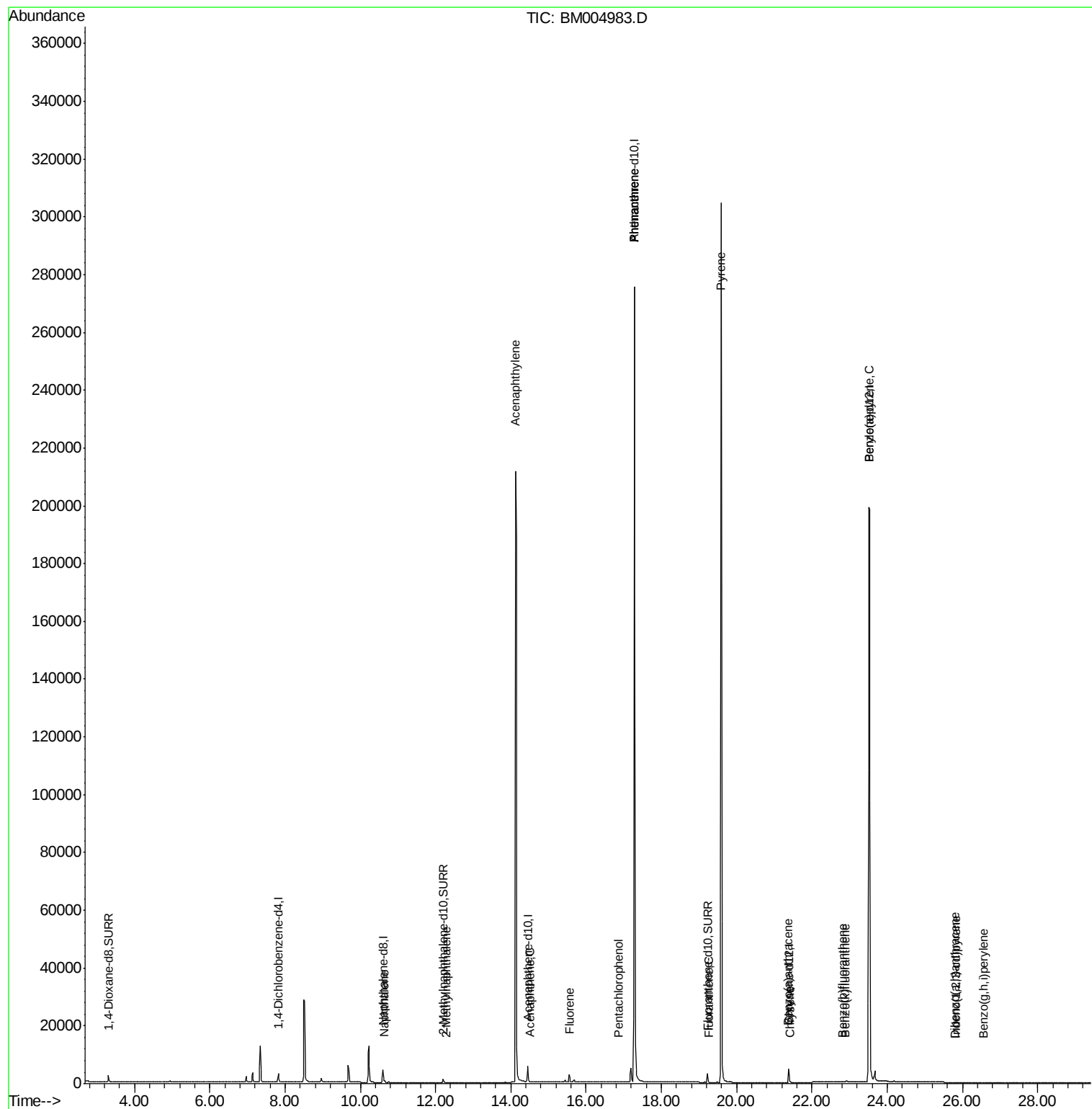
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.65	128	667	0.04	ng/ul#	64
7) 2-Methylnaphthalene	12.27	142	71	0.01	ng/ul	82
9) Acenaphthylene	14.13	152	45	0.00	ng/ul#	1
10) Acenaphthene	14.50	153	35	0.00	ng/ul#	77
11) Fluorene	15.56	166	36	0.00	ng/ul#	1
13) Pentachlorophenol	16.85	266	7	0.00	ng/ul#	42
14) Phenanthrene	17.28	178	235	0.00	ng/ul#	1
15) Anthracene	17.28	178	230	0.00	ng/ul#	1
17) Fluoranthene	19.25	202	105	0.00	ng/ul#	1
19) Pyrene	19.58	202	690	0.03	ng/ul#	1
20) Benzo(a)anthracene	21.38	228	56	0.00	ng/ul#	1
21) Chrysene	21.42	228	56	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.82	252	3	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.88	252	6	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.51	252	1202	0.00	ng/ul#	45
26) Indeno(1,2,3-cd)pyrene	25.82	276	2	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	25.81	278	4	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.56	276	1	0.00	ng/ul#	1

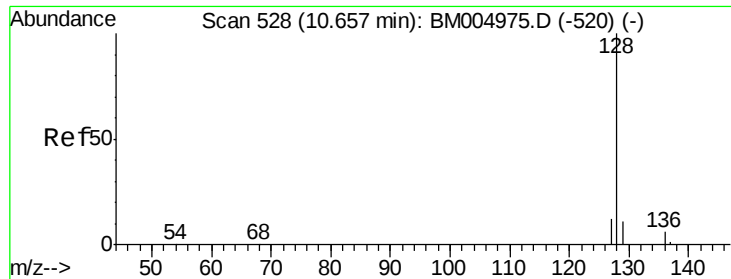
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 19 08:25:48 2016
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#5

Naphthalene

Concen: 0.04 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. -0.01 min

Lab File: BM004983.D

Acq: 18 Apr 2016 21:21

Instrument :

BNA_M

ClientSampleId :

D9T99

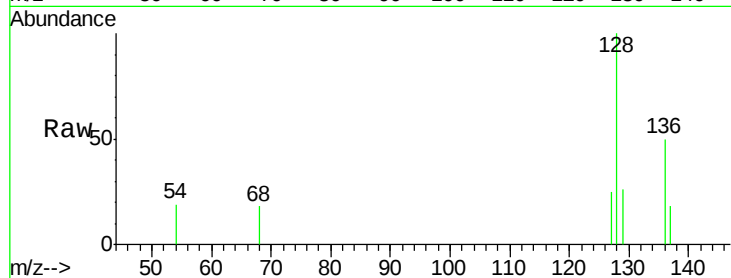
Tot Ion:128 Resp: 667

Ion Ratio Lower Upper

128 100

129 25.6 9.0 13.6#

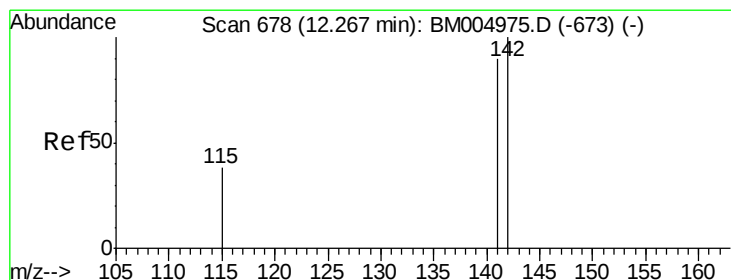
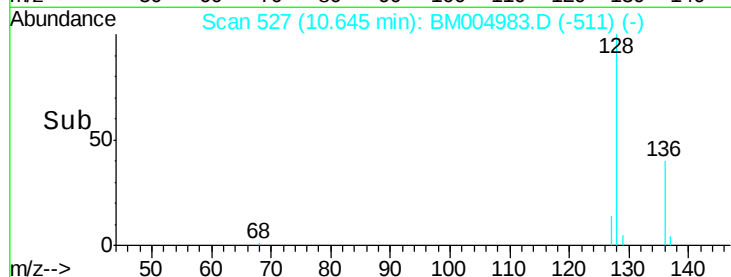
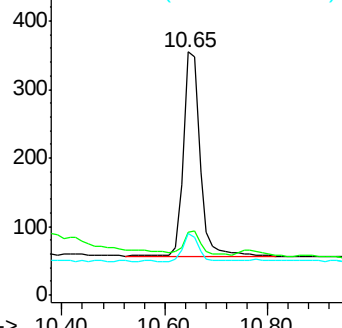
127 25.4 9.6 14.4#



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: BM004983.D

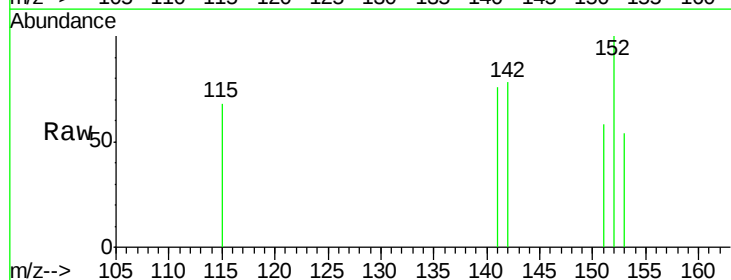
Acq: 18 Apr 2016 21:21

Tgt Ion:142 Resp: 71

Ion Ratio Lower Upper

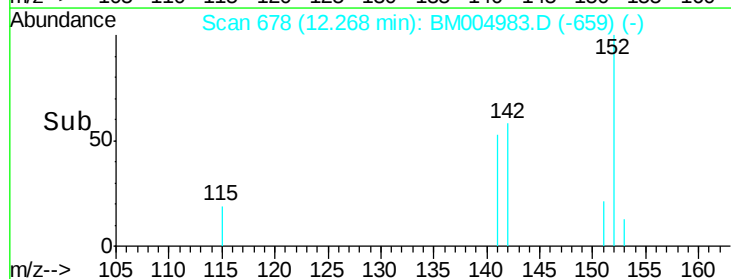
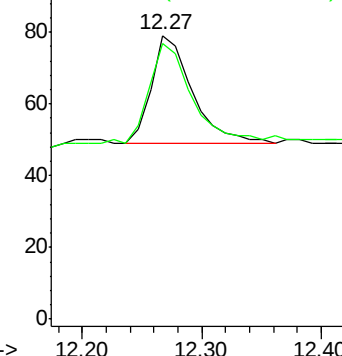
142 100

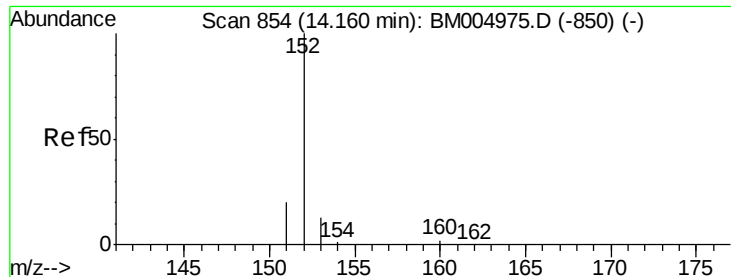
141 104.2 70.3 105.5



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: 14.13 min Scan# 852

Delta R.T. -0.03 min

Lab File: BM004983.D

Acq: 18 Apr 2016 21:21

Instrument :

BNA_M

ClientSampleId :

D9T99

Tot Ion:152 Resp: 45

Ion Ratio Lower Upper

152 100

151 80.0 17.6 26.4#

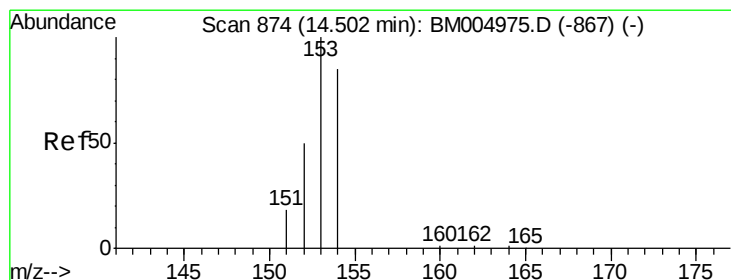
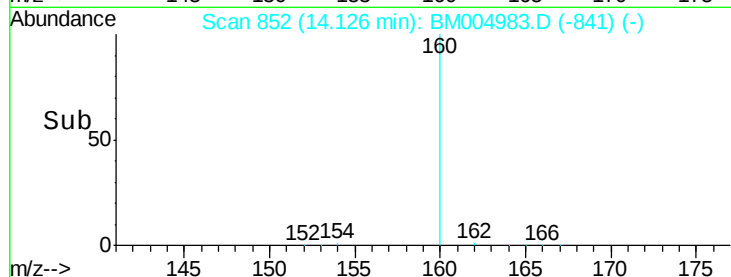
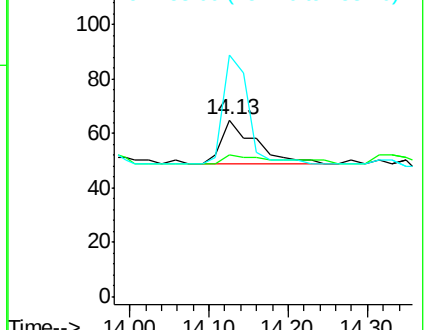
153 136.9 9.7 14.5#



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: BM004983.D

Acq: 18 Apr 2016 21:21

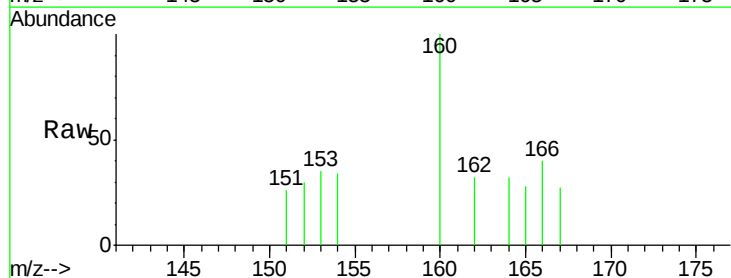
Tgt Ion:153 Resp: 35

Ion Ratio Lower Upper

153 100

152 85.5 33.9 50.9#

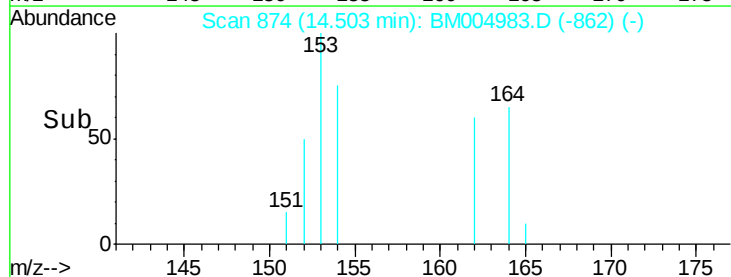
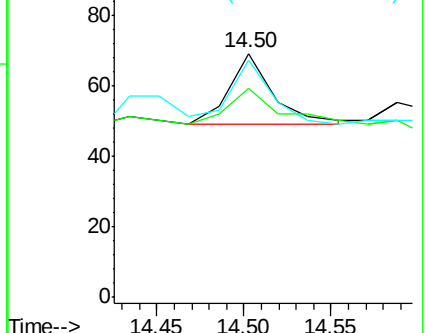
154 97.1 80.6 121.0

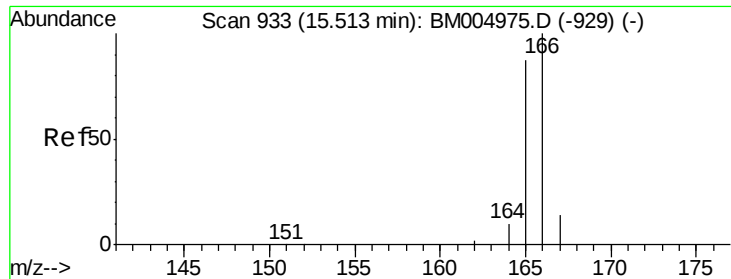


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

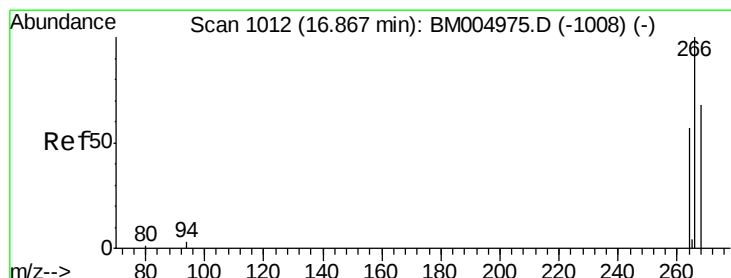
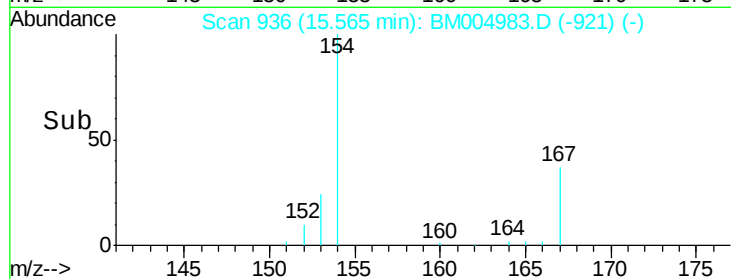
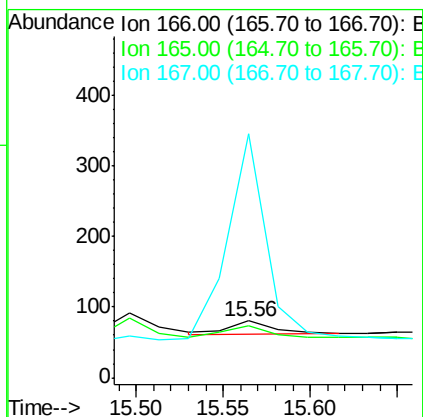
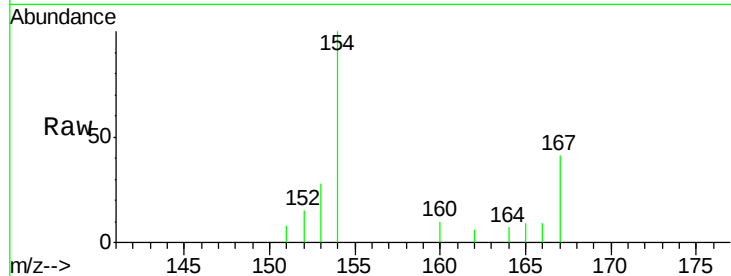




#11
 Fluorene
 Concen: 0.00 ng/ul
 RT: 15.56 min Scan# 936
 Delta R.T. 0.05 min
 Lab File: BM004983.D
 Acq: 18 Apr 2016 21:21

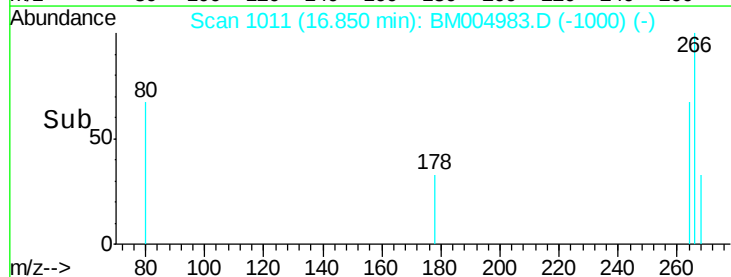
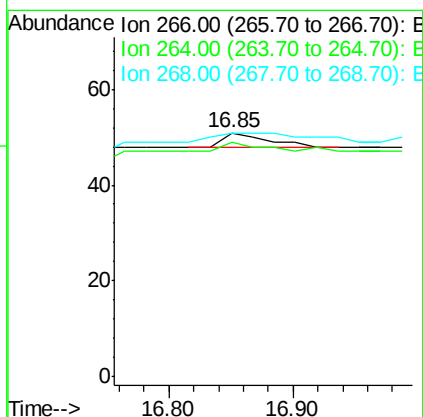
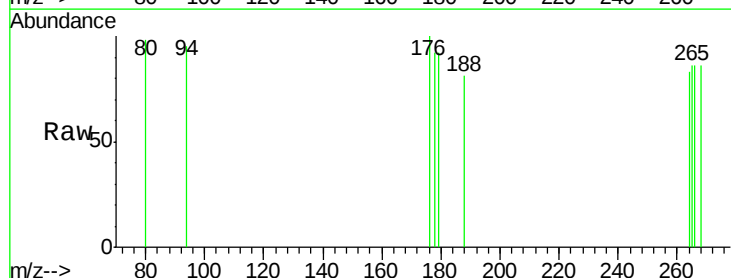
Instrument :
 BNA_M
 ClientSampleId :
 D9T99

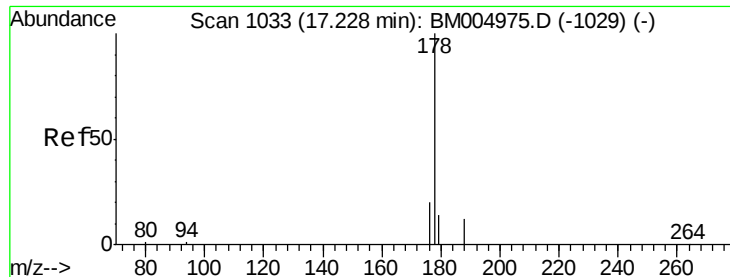
Tot Ion:166 Resp: 36
 Ion Ratio Lower Upper
 166 100
 165 91.3 69.6 104.4
 167 432.5 11.9 17.9#



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. -0.02 min
 Lab File: BM004983.D
 Acq: 18 Apr 2016 21:21

Tgt Ion:266 Resp: 7
 Ion Ratio Lower Upper
 266 100
 264 71.4 51.8 77.8
 268 142.9 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: BM004983.D

Acq: 18 Apr 2016 21:21

Instrument :

BNA_M

ClientSampleId :

D9T99

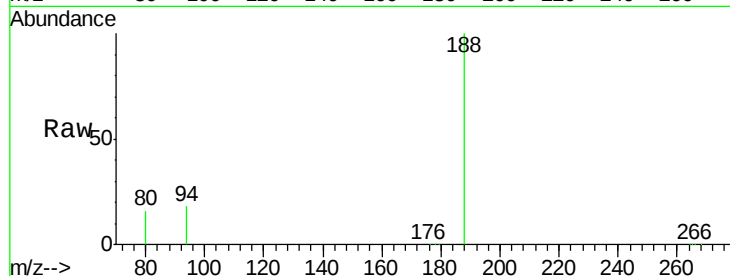
Tot Ion:178 Resp: 235

Ion Ratio Lower Upper

178 100

176 38.7 13.0 19.4#

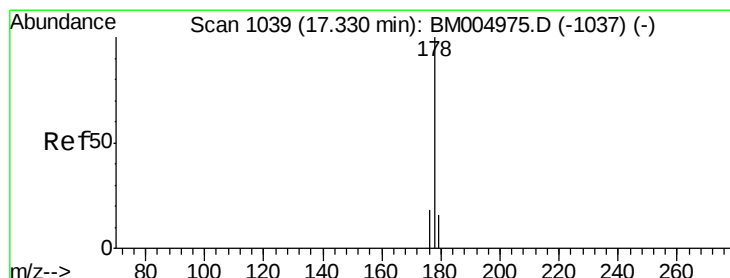
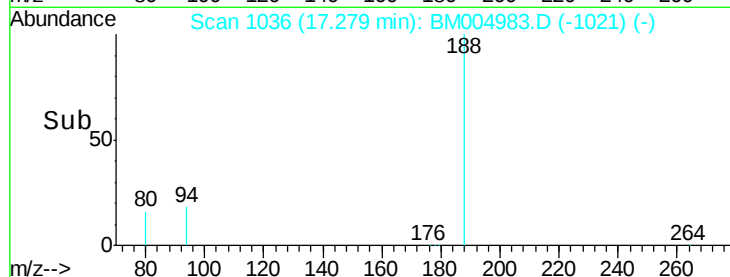
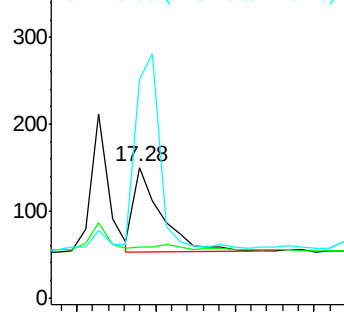
179 168.0 14.2 21.2#



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: BM004983.D

Acq: 18 Apr 2016 21:21

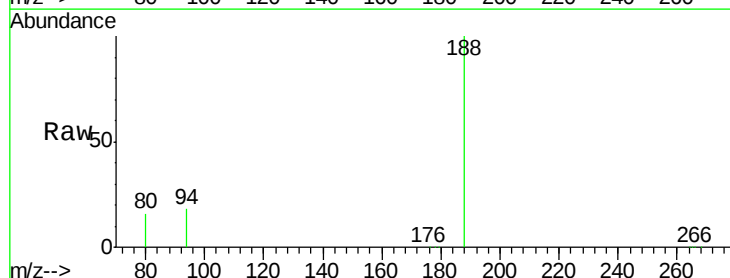
Tgt Ion:178 Resp: 230

Ion Ratio Lower Upper

178 100

176 38.7 14.0 21.0#

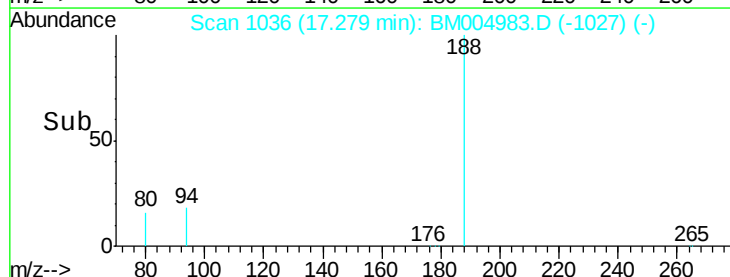
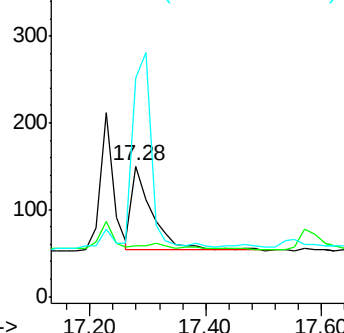
179 168.0 12.9 19.3#

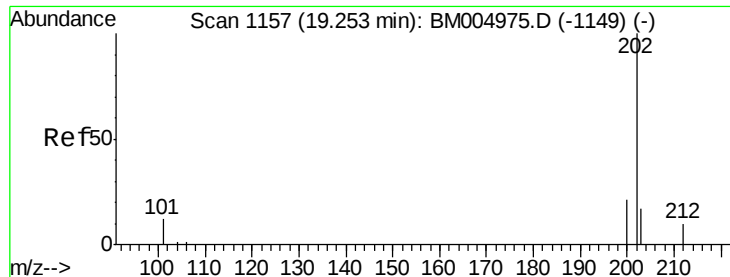


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM004983.D

Acq: 18 Apr 2016 21:21

Instrument :

BNA_M

ClientSampleId :

D9T99

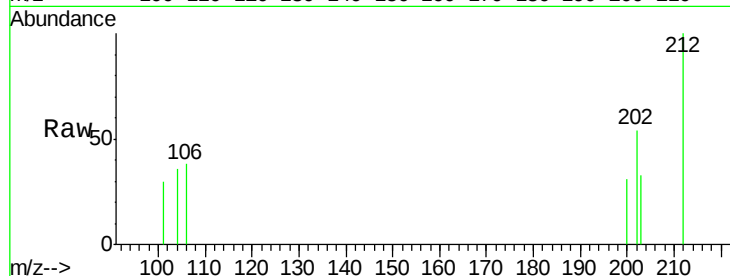
Tot Ion:202 Resp: 105

Ion Ratio Lower Upper

202 100

101 55.2 0.0 29.6#

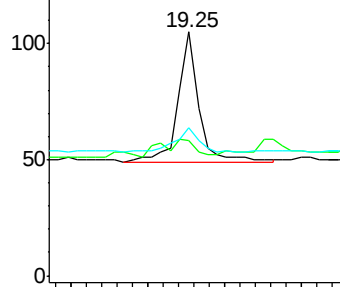
203 61.0 0.0 36.3#



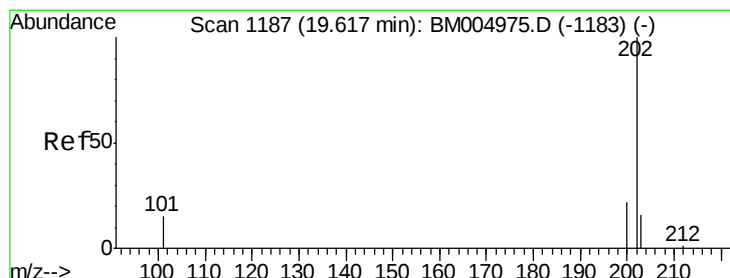
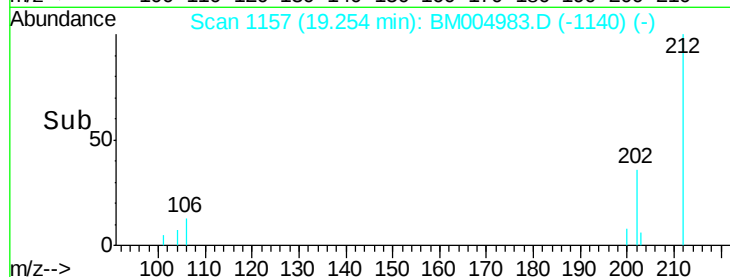
Abundance Ion 202.00 (201.70 to 202.70): E

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: BM004983.D

Acq: 18 Apr 2016 21:21

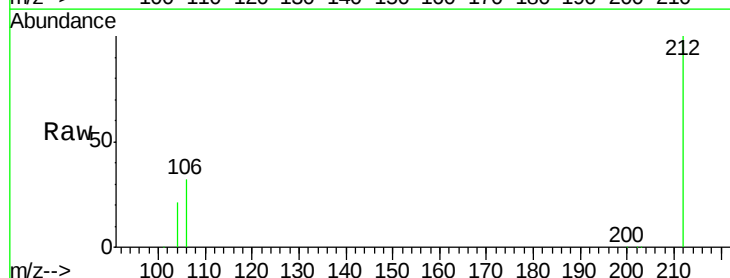
Tgt Ion:202 Resp: 690

Ion Ratio Lower Upper

202 100

200 14.5 17.8 26.8#

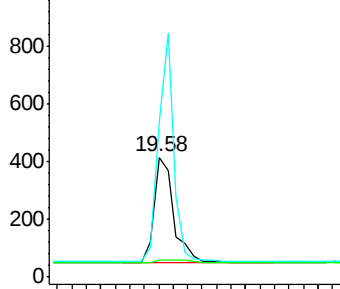
203 130.2 12.8 19.2#



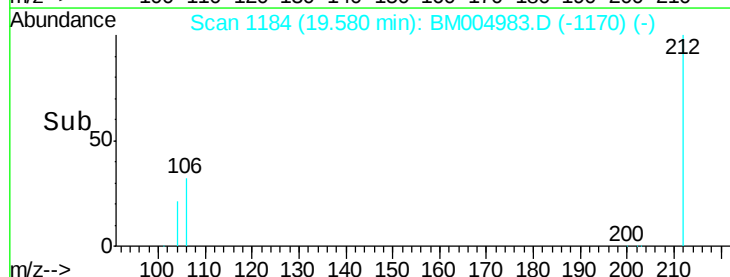
Abundance Ion 202.00 (201.70 to 202.70): E

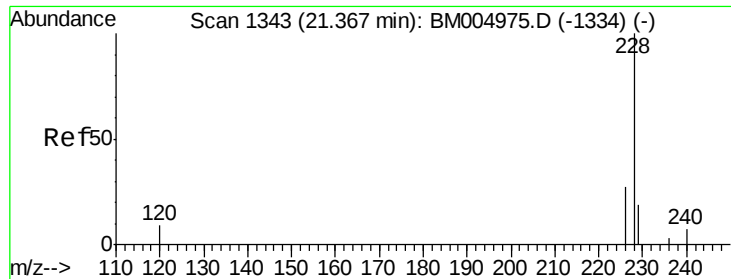
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.50 19.60 19.70 19.80





#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. 0.01 min

Lab File: BM004983.D

Acq: 18 Apr 2016 21:21

Instrument :

BNA_M

ClientSampleId :

D9T99

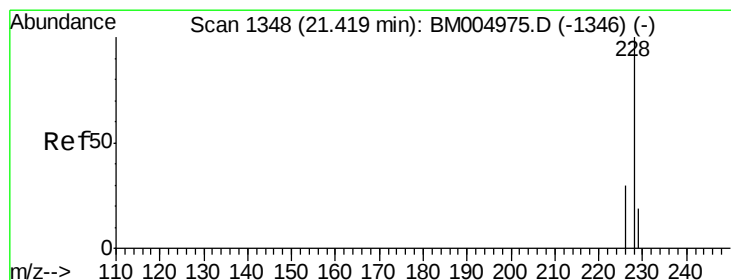
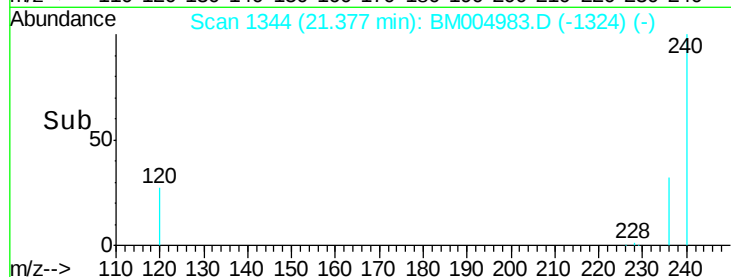
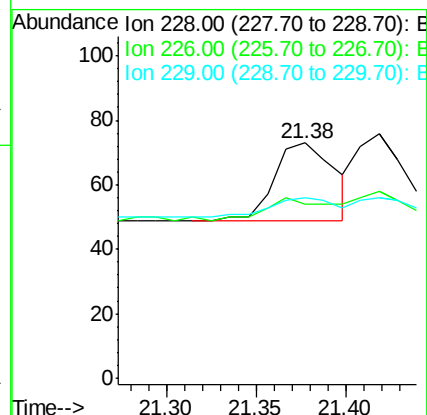
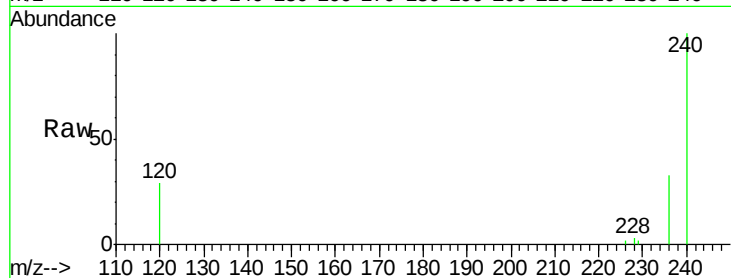
Tot Ion:228 Resp: 56

Ion Ratio Lower Upper

228 100

226 74.0 18.8 28.2#

229 76.7 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: BM004983.D

Acq: 18 Apr 2016 21:21

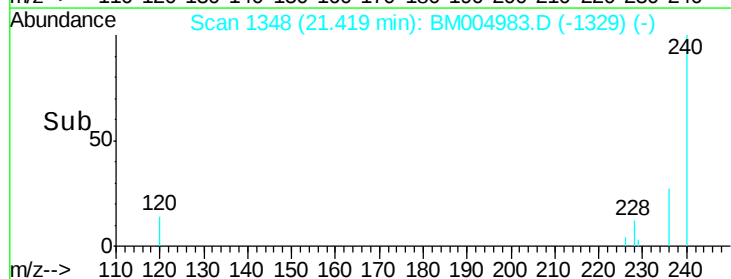
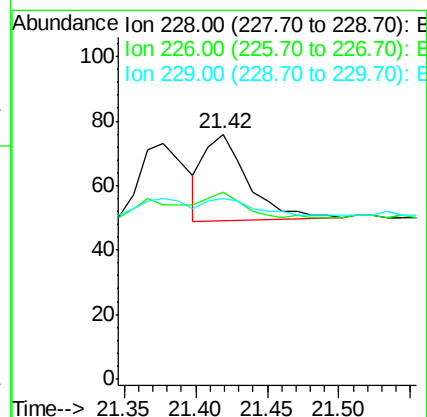
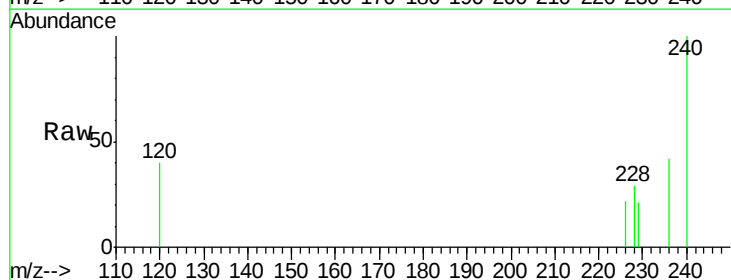
Tgt Ion:228 Resp: 56

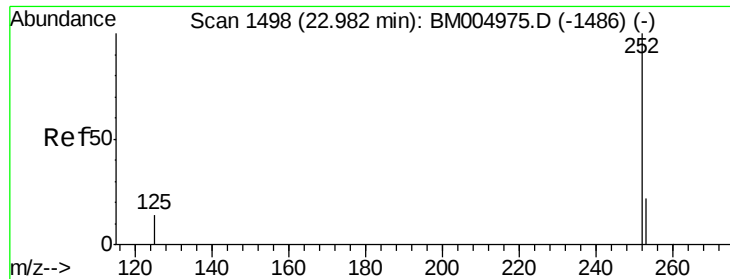
Ion Ratio Lower Upper

228 100

226 76.3 21.2 31.8#

229 73.7 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.82 min Scan# 1482

Delta R.T. -0.17 min

Lab File: BM004983.D

Acq: 18 Apr 2016 21:21

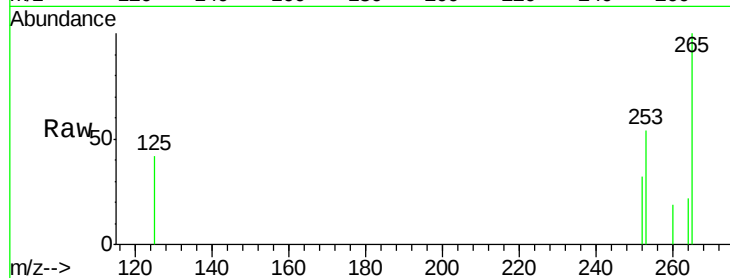
Instrument :

BNA_M

ClientSampleId :

D9T99

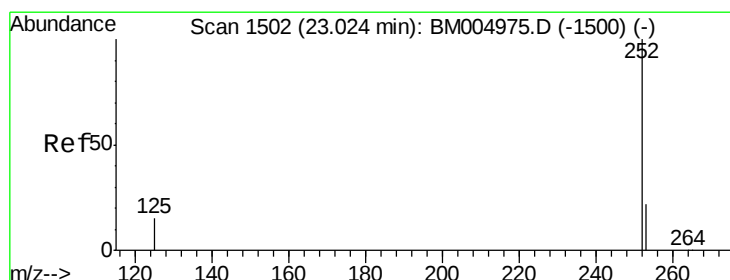
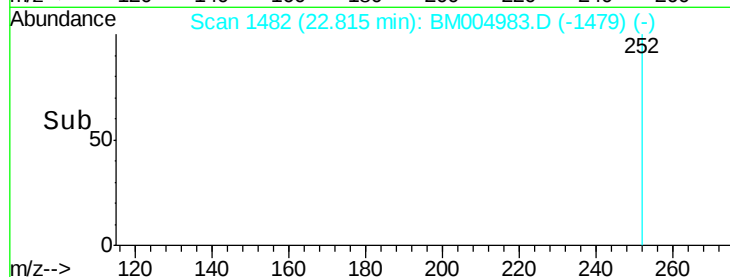
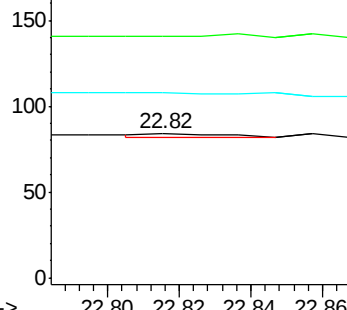
Tot Ion:252	Resp:	3	
Ion Ratio	Lower	Upper	
252	100		
253	167.9	0.0	45.4#
125	128.6	0.0	28.8#



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/u1

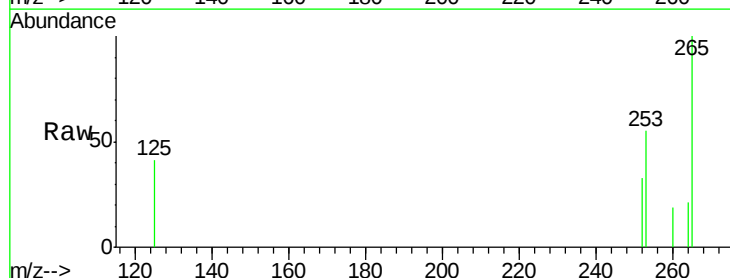
RT: 22.88 min Scan# 1488

Delta R.T. -0.15 min

Lab File: BM004983.D

Acq: 18 Apr 2016 21:21

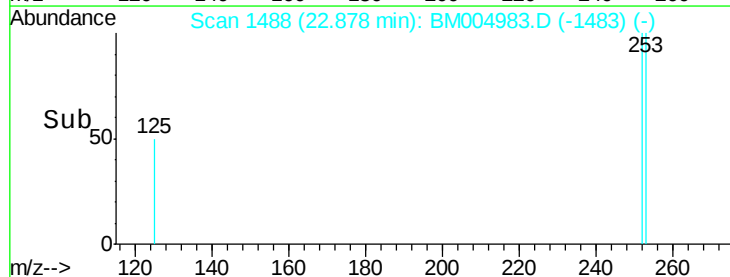
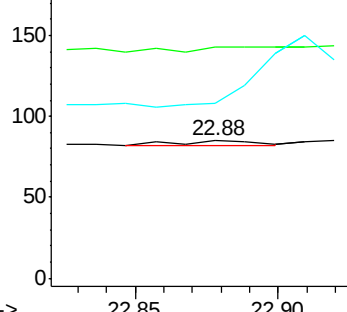
Tgt	Ion:252	Resp:	6
Ion	Ratio	Lower	Upper
252	100		
253	168.2	19.8	29.8#
125	127.1	10.4	15.6#

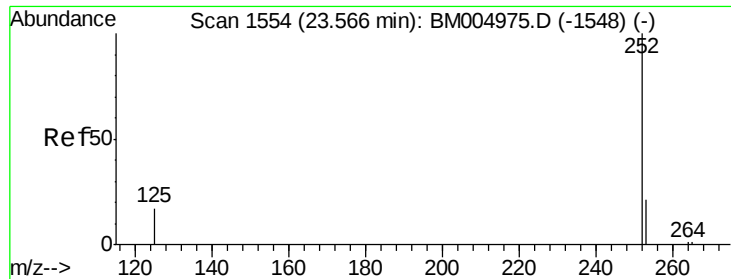


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM004983.D

Acq: 18 Apr 2016 21:21

Instrument :

BNA_M

ClientSampleId :

D9T99

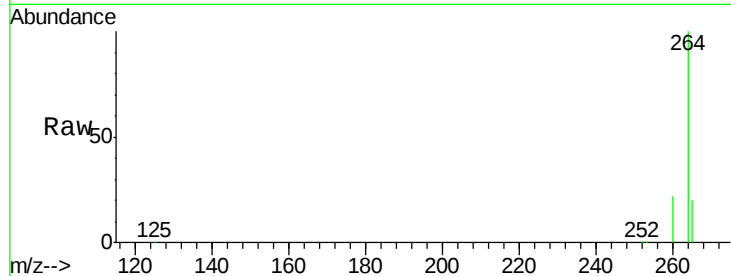
Tot Ion:252 Resp: 1202

Ion Ratio Lower Upper

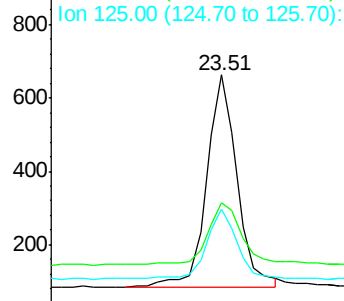
252 100

253 47.7 19.4 29.2#

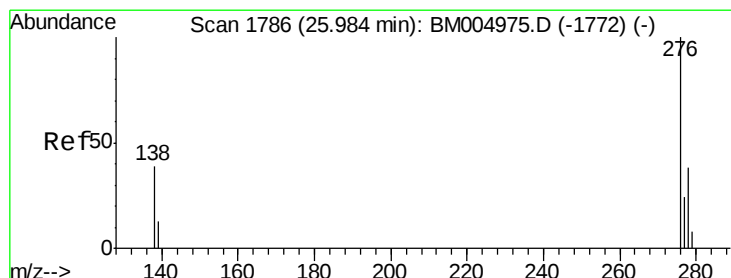
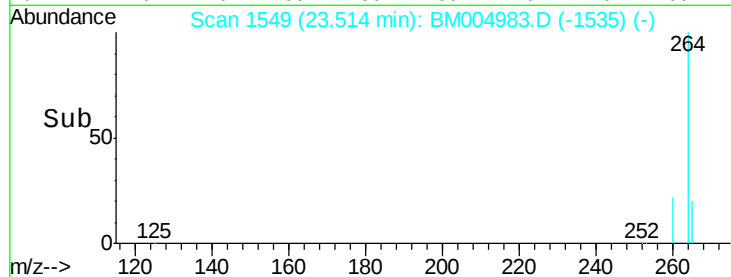
125 44.8 12.7 19.1#



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: 25.82 min Scan# 1770

Delta R.T. -0.17 min

Lab File: BM004983.D

Acq: 18 Apr 2016 21:21

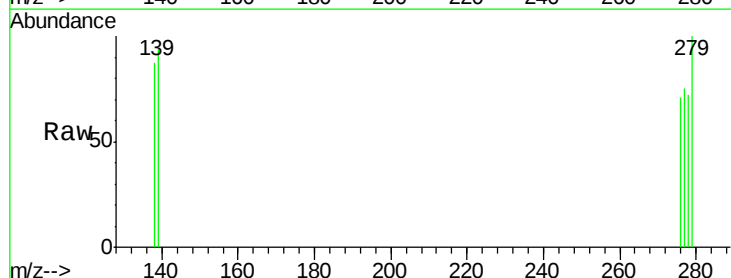
Tgt Ion:276 Resp: 2

Ion Ratio Lower Upper

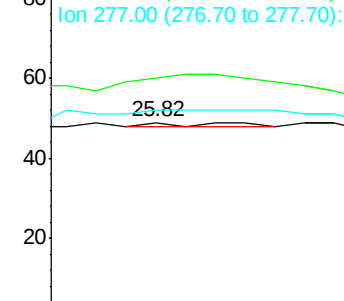
276 100

138 1000.0 16.3 24.5#

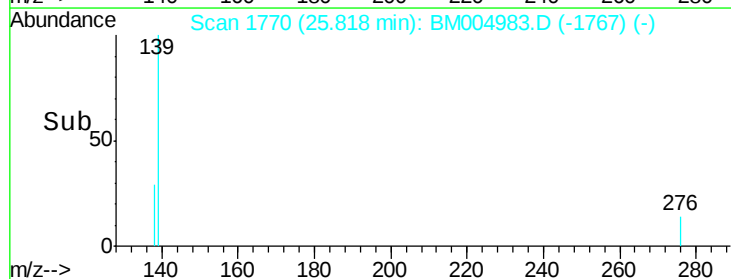
277 150.0 19.8 29.8#

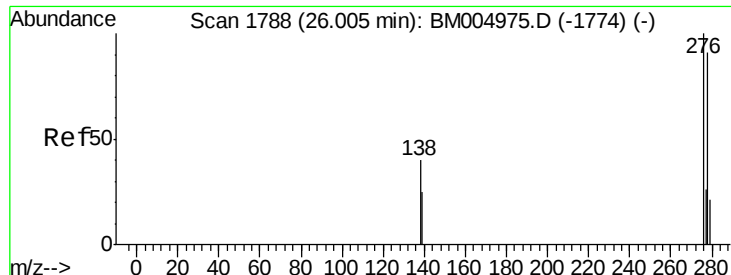


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->



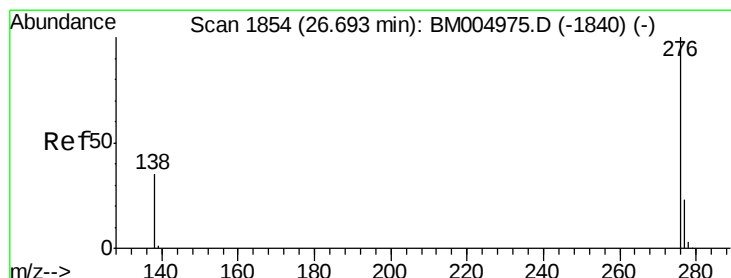
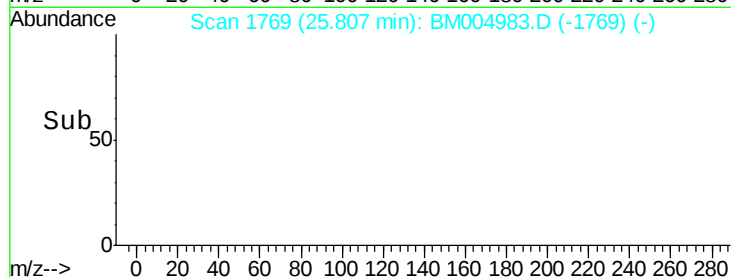
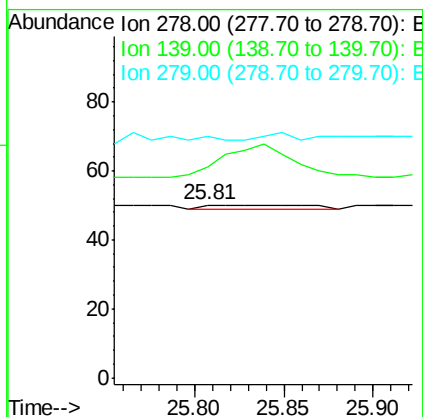
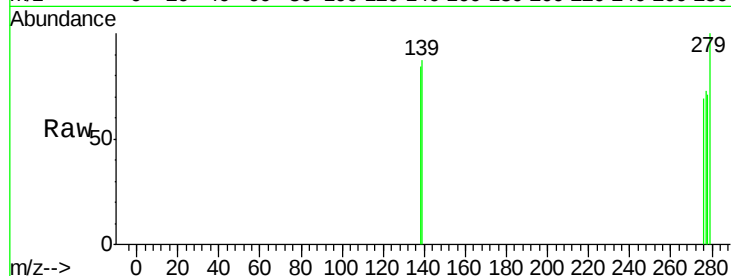


#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.81 min Scan# 1769
Delta R.T. -0.20 min
Lab File: BM004983.D
Acq: 18 Apr 2016 21:21

Instrument :
BNA_M
ClientSampleId :
D9T99

Tot Ion: 278 Resp: 4

Ion	Ratio	Lower	Upper
278	100		
139	122.0	16.4	24.6#
279	140.0	20.2	30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.56 min Scan# 1841
Delta R.T. -0.14 min
Lab File: BM004983.D
Acq: 18 Apr 2016 21:21

Tgt Ion: 276 Resp: 1

Ion	Ratio	Lower	Upper
276	100		
277	104.0	18.9	28.3#
138	114.0	22.5	33.7#

