

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041816\
 Data File : BM004984.D
 Acq On : 18 Apr 2016 21:58
 Operator : UM/SJ
 Sample : H2298-18
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9TA0

Quant Time: Apr 19 08:28:57 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	1876	0.40	ng/ul	0.00
4) Naphthalene-d8	10.60	136	8119	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.45	164	4808	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.28	188	513452	0.40	ng/ul	0.09
18) Chrysene-d12	21.39	240	6650	0.40	ng/ul	0.00
22) Perylene-d12	23.52	264	294868	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.31	96	1913	2.11	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.19	152	2950	0.31	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	5724	0.01	ng/ul	0.00

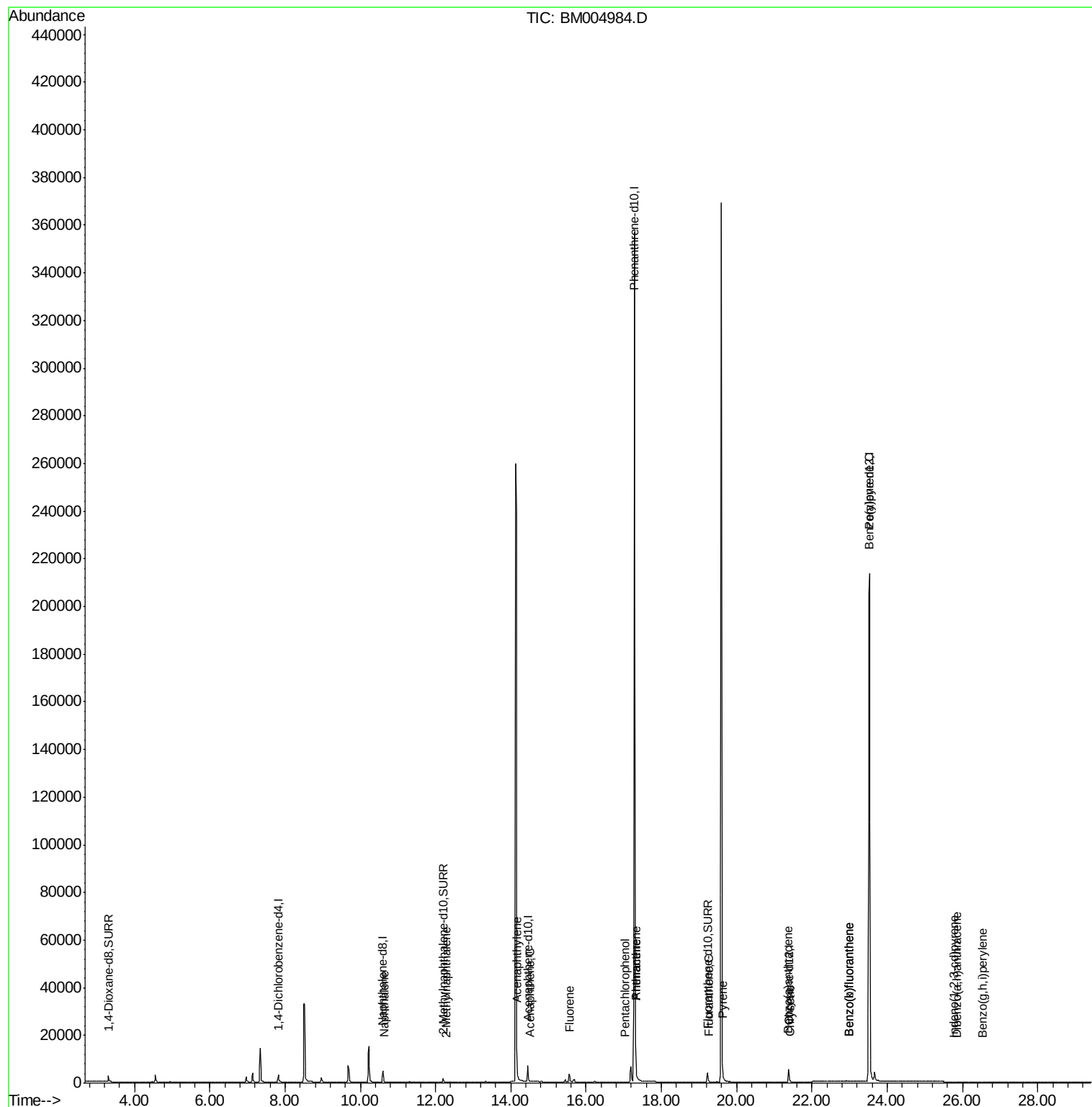
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.65	128	66	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.27	142	31	0.00	ng/ul#	77
9) Acenaphthylene	14.16	152	87	0.00	ng/ul#	1
10) Acenaphthene	14.50	153	40	0.00	ng/ul#	77
11) Fluorene	15.56	166	44	0.00	ng/ul#	1
13) Pentachlorophenol	17.02	266	2	0.00	ng/ul#	1
14) Phenanthrene	17.31	178	564	0.00	ng/ul#	47
15) Anthracene	17.31	178	579	0.00	ng/ul#	47
17) Fluoranthene	19.25	202	682	0.00	ng/ul	75
19) Pyrene	19.62	202	1475	0.05	ng/ul#	80
20) Benzo(a)anthracene	21.37	228	355	0.02	ng/ul#	68
21) Chrysene	21.42	228	471	0.02	ng/ul#	73
23) Benzo(b)fluoranthene	22.97	252	363	0.00	ng/ul#	10
24) Benzo(k)fluoranthene	22.97	252	412	0.00	ng/ul#	12
25) Benzo(a)pyrene	23.51	252	1467	0.00	ng/ul#	47
26) Indeno(1,2,3-cd)pyrene	25.77	276	2	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.86	278	2	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.53	276	3	0.00	ng/ul#	1

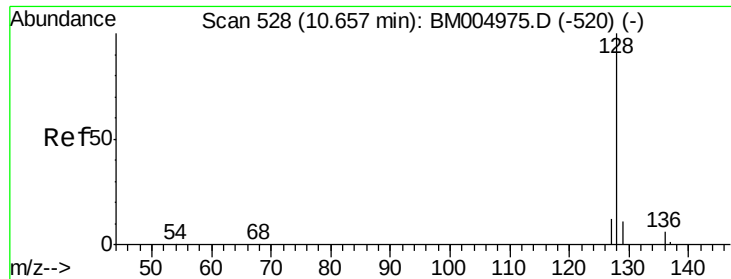
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. -0.01 min

Lab File: BM004984.D

Acq: 18 Apr 2016 21:58

Instrument :

BNA_M

ClientSampleId :

D9TA0

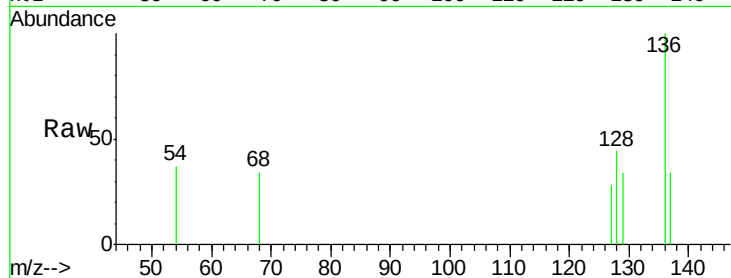
Tot Ion:128 Resp: 66

Ion Ratio Lower Upper

128 100

129 76.8 9.0 13.6#

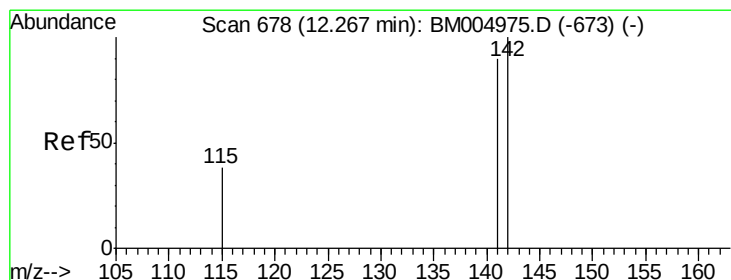
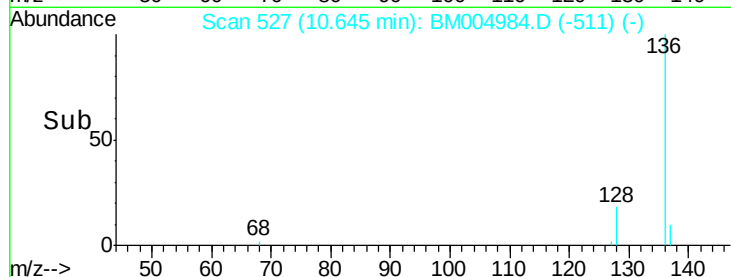
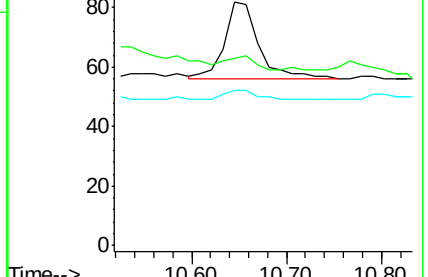
127 63.4 9.6 14.4#



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: 0.00 ng/ul

RT: 12.27 min Scan# 678

Delta R.T. 0.00 min

Lab File: BM004984.D

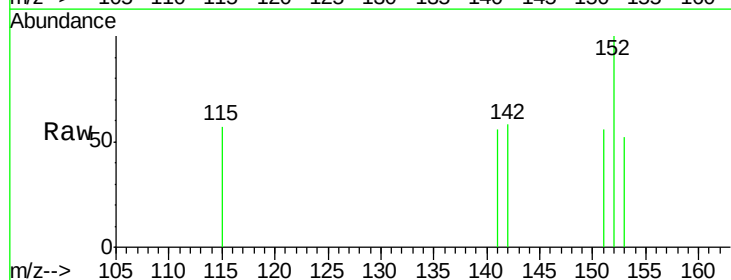
Acq: 18 Apr 2016 21:58

Tgt Ion:142 Resp: 31

Ion Ratio Lower Upper

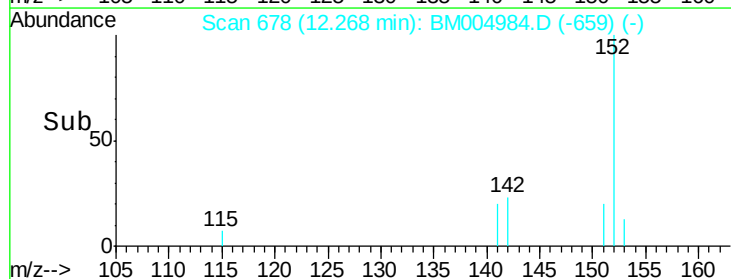
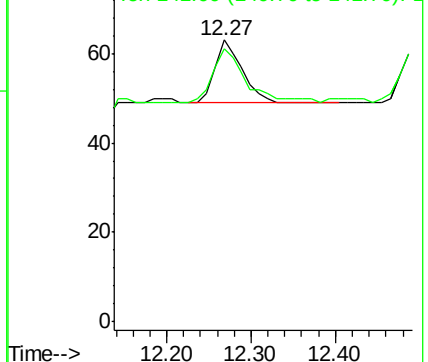
142 100

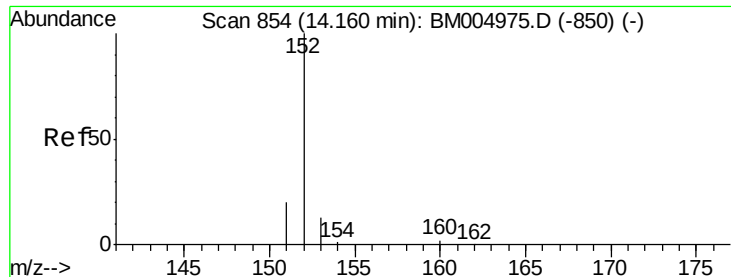
141 109.7 70.3 105.5#



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: BM004984.D

Acq: 18 Apr 2016 21:58

Instrument :

BNA_M

ClientSampleId :

D9TA0

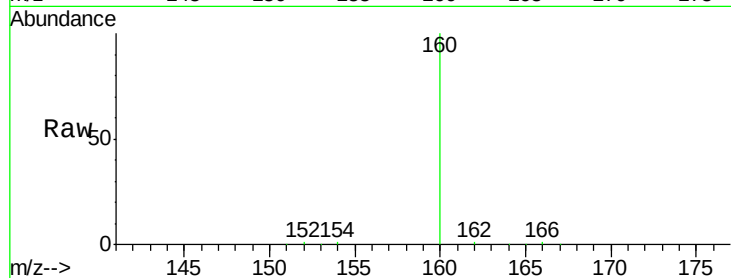
Tot Ion:152 Resp: 87

Ion Ratio Lower Upper

152 100

151 68.7 17.6 26.4#

153 70.0 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

120

100

80

60

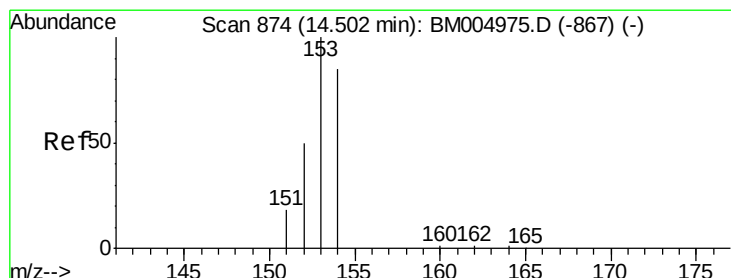
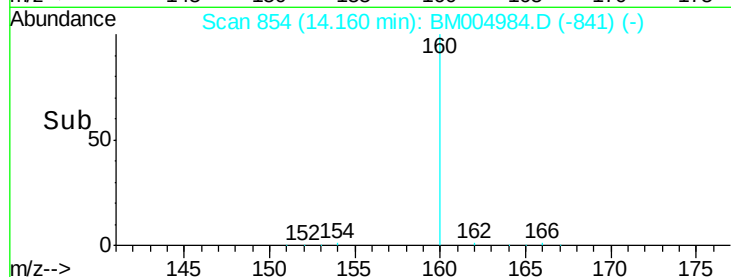
40

20

0

Time--> 14.00 14.10 14.20 14.30

14.16



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.50 min Scan# 874

Delta R.T. 0.00 min

Lab File: BM004984.D

Acq: 18 Apr 2016 21:58

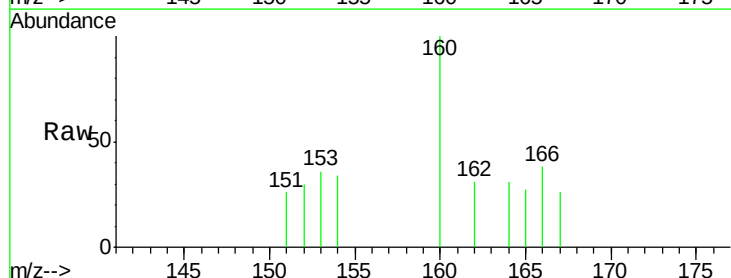
Tgt Ion:153 Resp: 40

Ion Ratio Lower Upper

153 100

152 84.9 33.9 50.9#

154 95.9 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

100

80

60

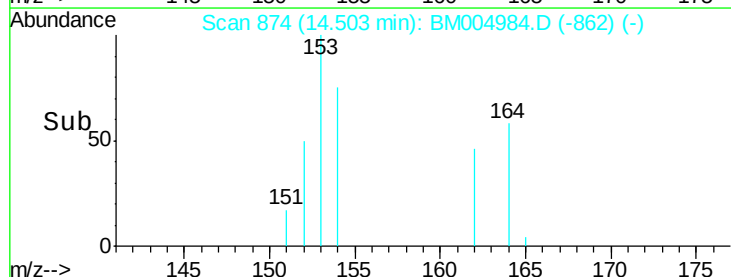
40

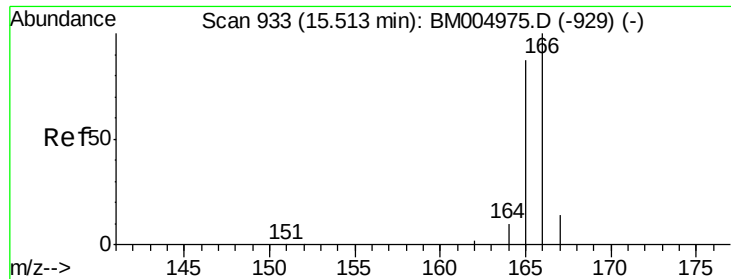
20

0

Time--> 14.40 14.45 14.50 14.55

14.50





#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.56 min Scan# 936

Delta R.T. 0.05 min

Lab File: BM004984.D

Acq: 18 Apr 2016 21:58

Instrument :

BNA_M

ClientSampleId :

D9TA0

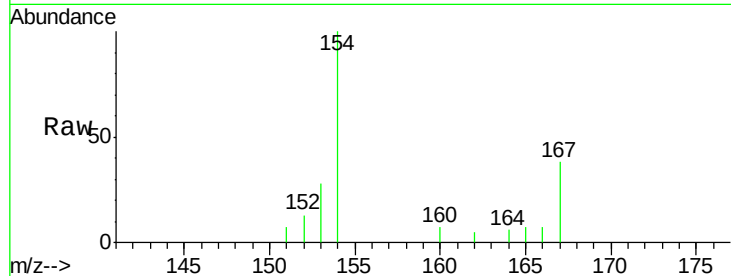
Tot Ion:166 Resp: 44

Ion Ratio Lower Upper

166 100

165 91.9 69.6 104.4

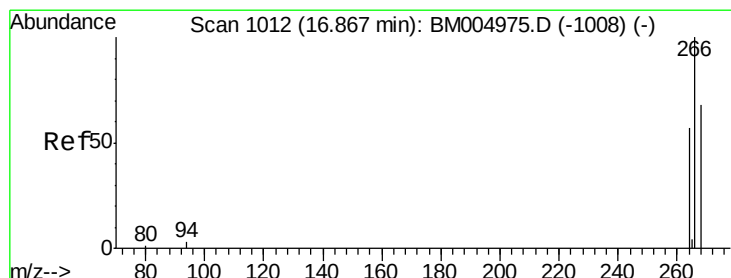
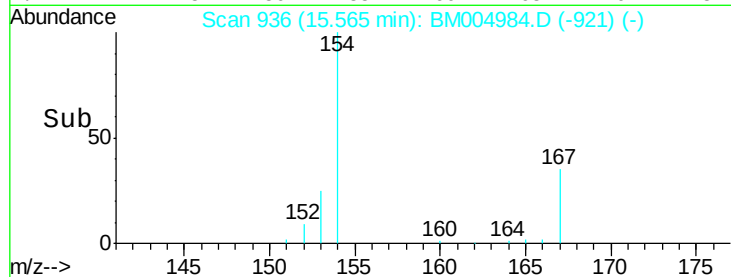
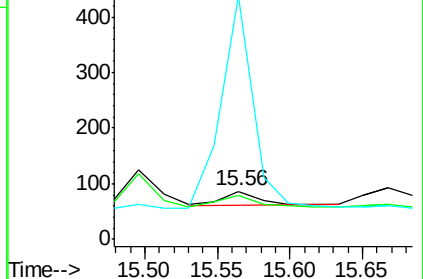
167 509.3 11.9 17.9#



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: 17.02 min Scan# 1021

Delta R.T. 0.15 min

Lab File: BM004984.D

Acq: 18 Apr 2016 21:58

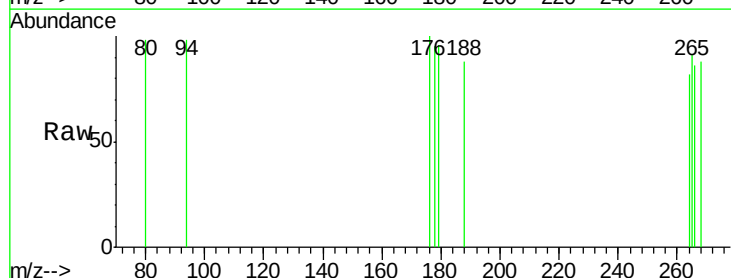
Tgt Ion:266 Resp: 2

Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

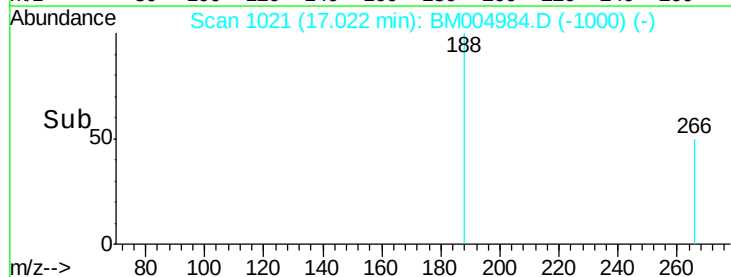
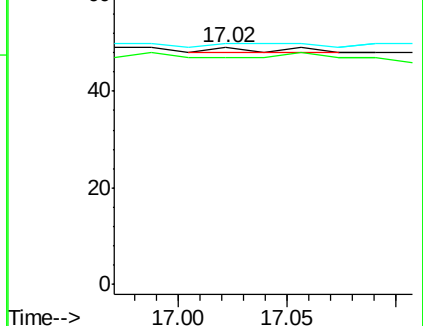
268 150.0 46.8 70.2#

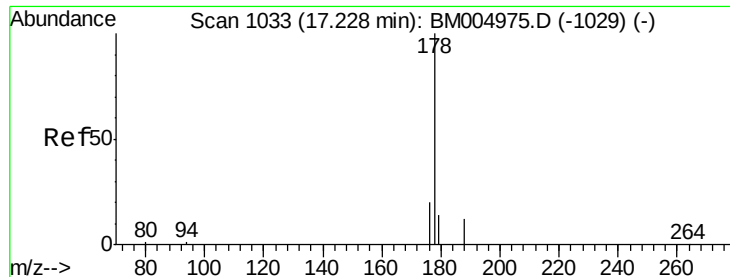


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.09 min

Lab File: BM004984.D

Acq: 18 Apr 2016 21:58

Instrument :

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ClientSampleId :

D9TA0

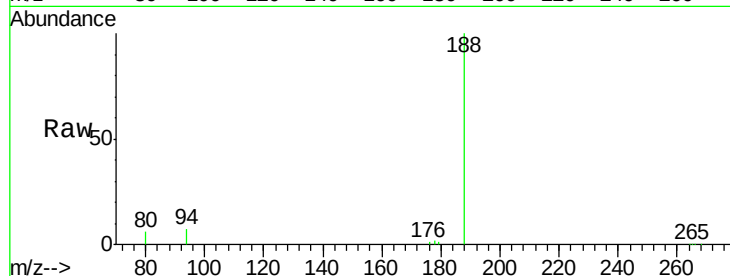
Tot Ion:178 Resp: 564

Ion Ratio Lower Upper

178 100

176 37.1 13.0 19.4#

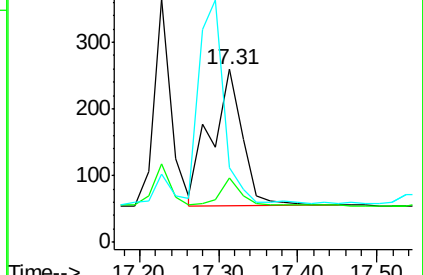
179 42.9 14.2 21.2#



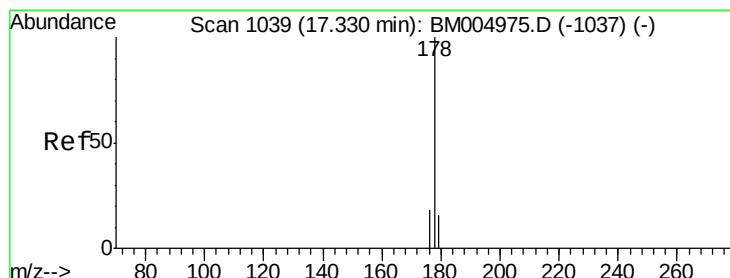
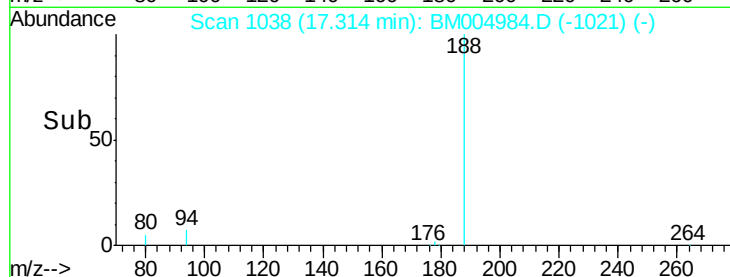
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. -0.02 min

Lab File: BM004984.D

Acq: 18 Apr 2016 21:58

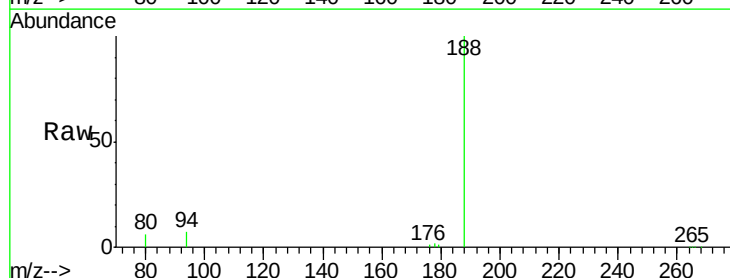
Tgt Ion:178 Resp: 579

Ion Ratio Lower Upper

178 100

176 37.1 14.0 21.0#

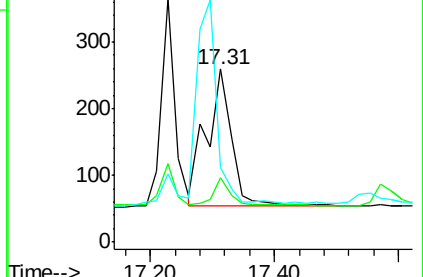
179 42.9 12.9 19.3#



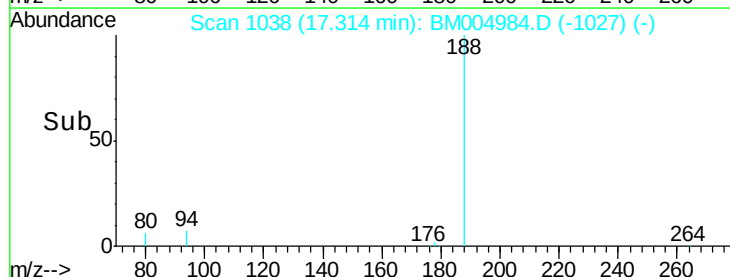
Abundance Ion 178.00 (177.70 to 178.70): E

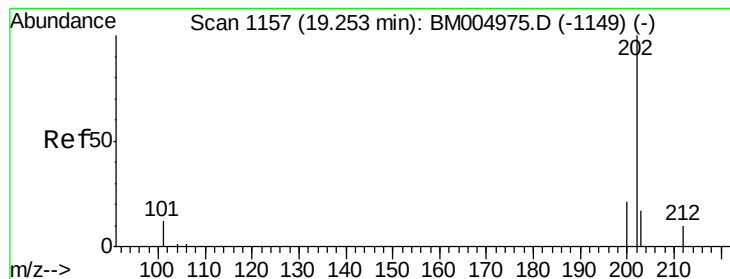
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.25 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BM004984.D

Acq: 18 Apr 2016 21:58

Instrument :

BNA_M

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D9TA0

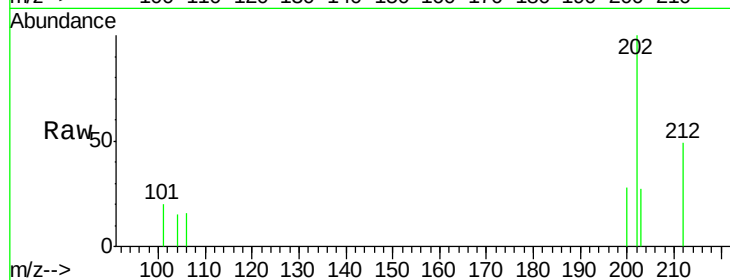
Tot Ion:202 Resp: 682

Ion Ratio Lower Upper

202 100

101 19.5 0.0 29.6

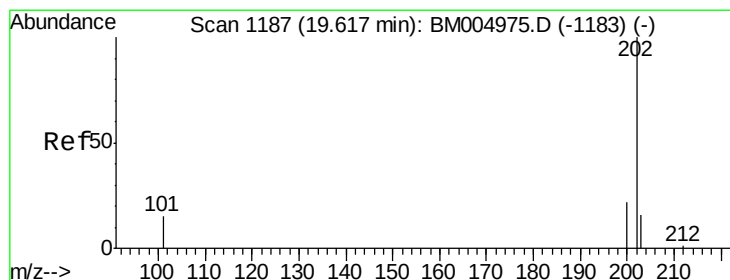
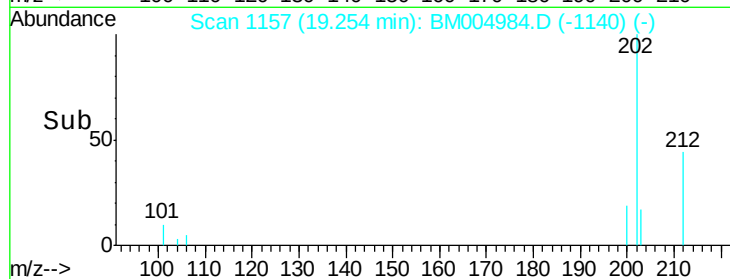
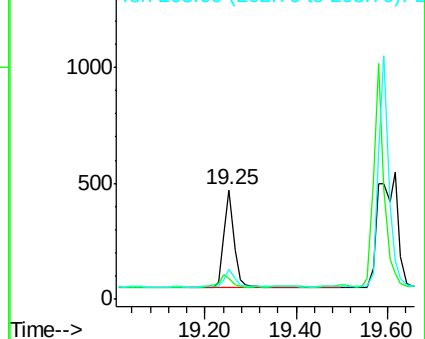
203 26.8 0.0 36.3



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: 0.05 ng/ul

RT: 19.62 min Scan# 1187

Delta R.T. 0.00 min

Lab File: BM004984.D

Acq: 18 Apr 2016 21:58

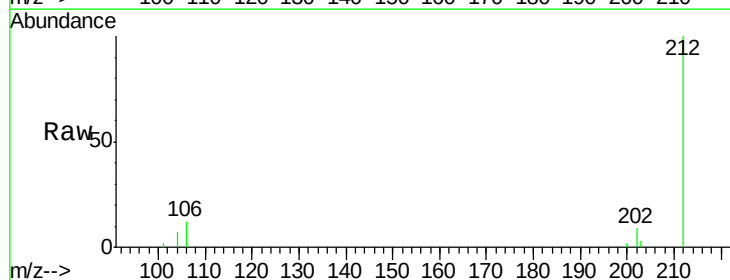
Tgt Ion:202 Resp: 1475

Ion Ratio Lower Upper

202 100

200 26.3 17.8 26.8

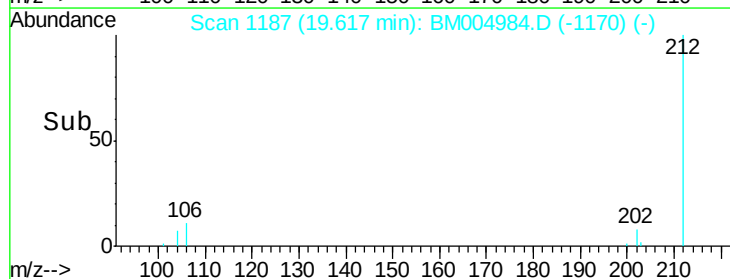
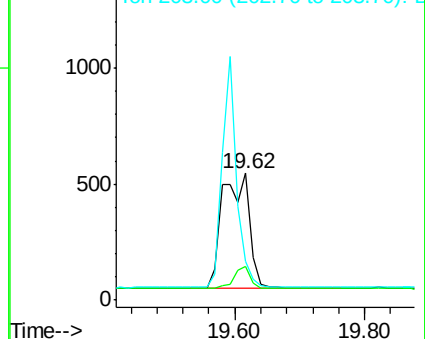
203 30.9 12.8 19.2#

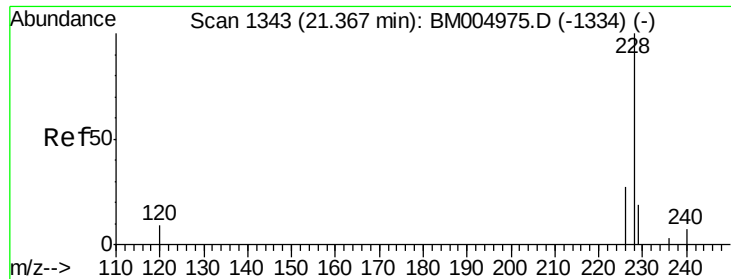


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BM004984.D

Acq: 18 Apr 2016 21:58

Instrument :

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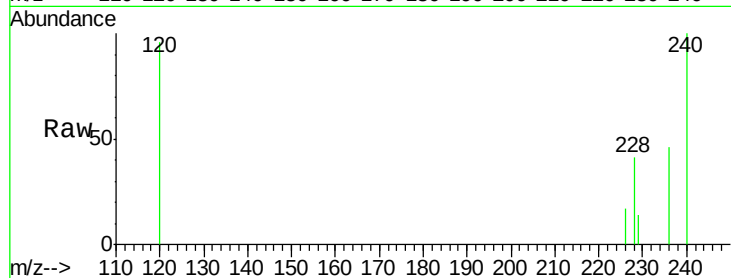
Tot Ion:228 Resp: 355

Ion Ratio Lower Upper

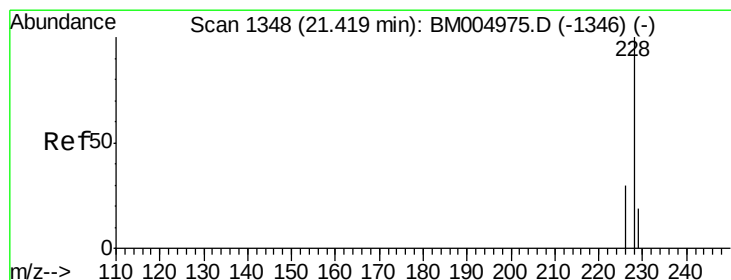
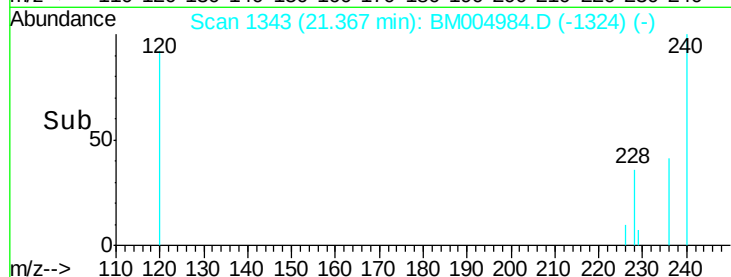
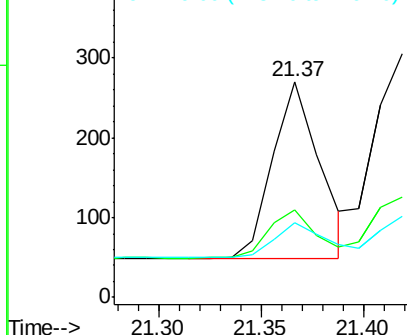
228 100

226 40.7 18.8 28.2#

229 34.8 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: 0.02 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BM004984.D

Acq: 18 Apr 2016 21:58

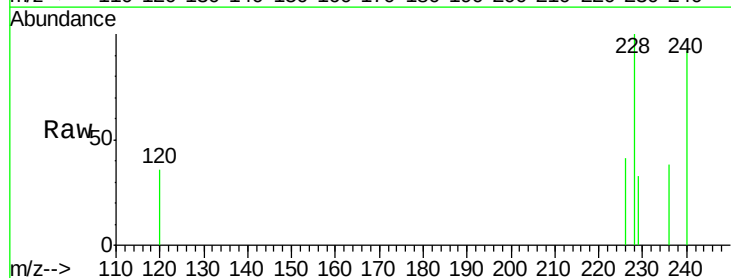
Tgt Ion:228 Resp: 471

Ion Ratio Lower Upper

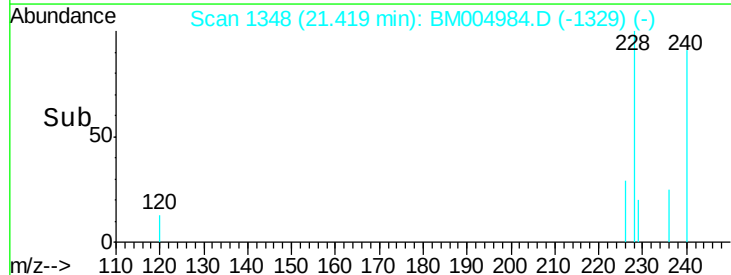
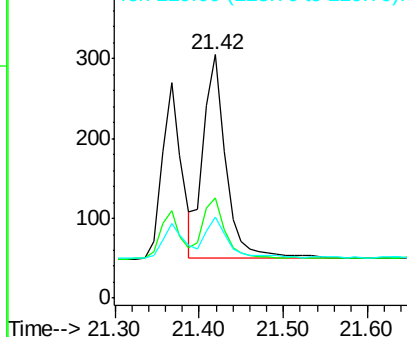
228 100

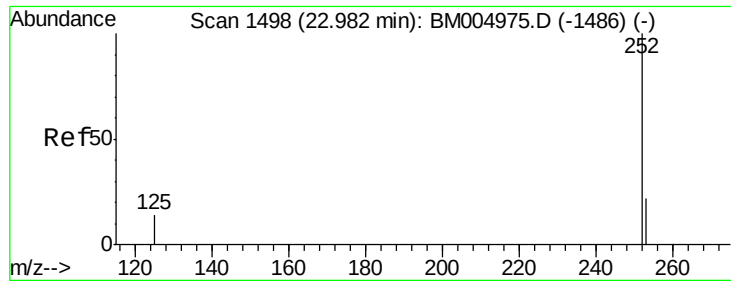
226 41.0 21.2 31.8#

229 33.1 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: 22.97 min Scan# 1497

Delta R.T. -0.01 min

Lab File: BM004984.D

Acq: 18 Apr 2016 21:58

Instrument :

BNA_M

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D9TA0

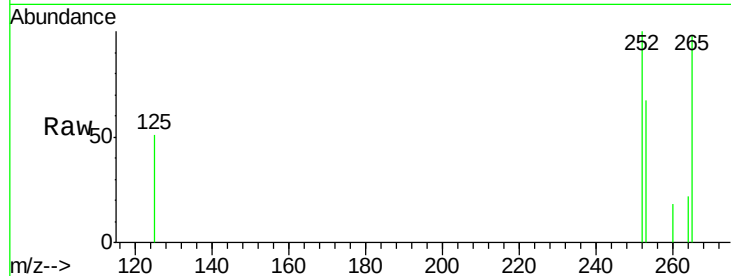
Tot Ion:252 Resp: 363

Ion Ratio Lower Upper

252 100

253 66.9 0.0 45.4#

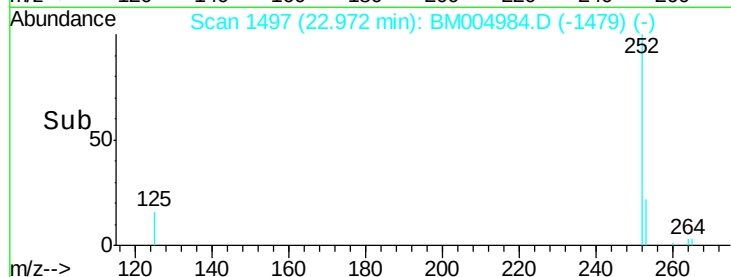
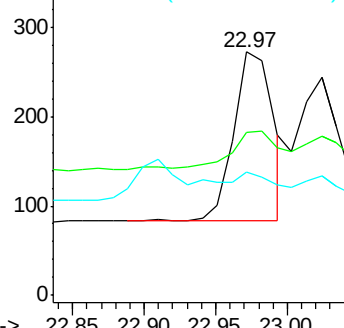
125 50.7 0.0 28.8#



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: 22.97 min Scan# 1497

Delta R.T. -0.05 min

Lab File: BM004984.D

Acq: 18 Apr 2016 21:58

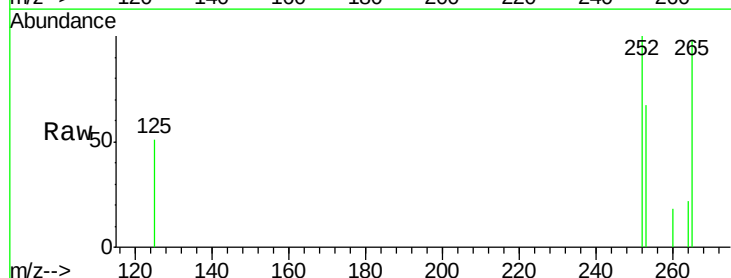
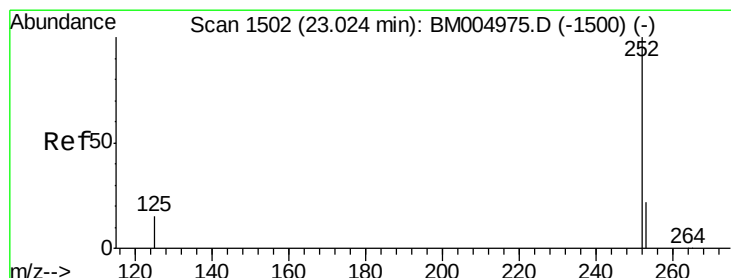
Tgt Ion:252 Resp: 412

Ion Ratio Lower Upper

252 100

253 66.9 19.8 29.8#

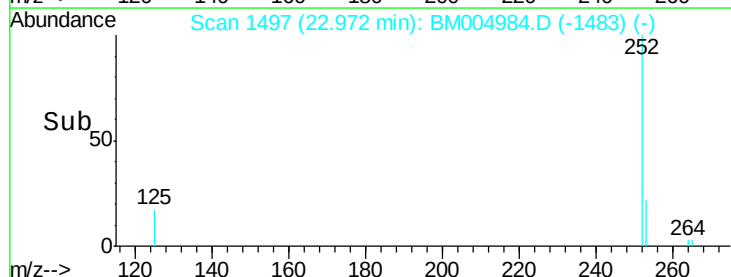
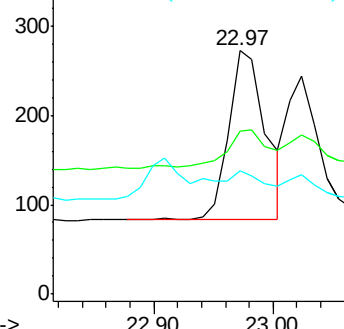
125 50.7 10.4 15.6#

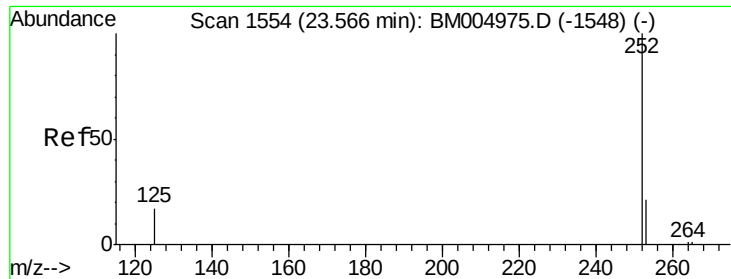


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM004984.D

Acq: 18 Apr 2016 21:58

Instrument :

BNA_M

ClientSampleId :

D9TA0

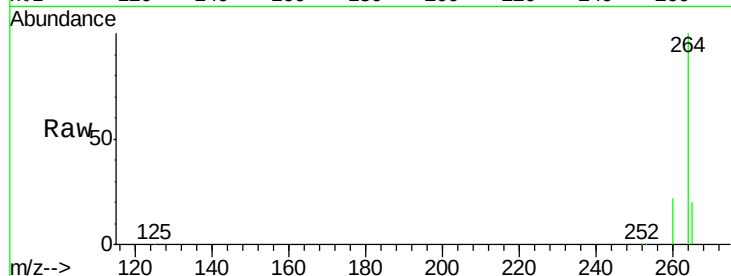
Tot Ion:252 Resp: 1467

Ion Ratio Lower Upper

252 100

253 46.1 19.4 29.2#

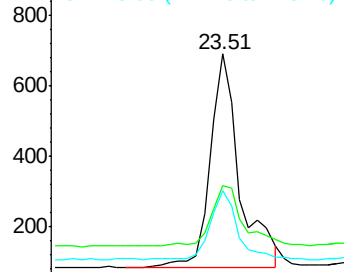
125 43.9 12.7 19.1#



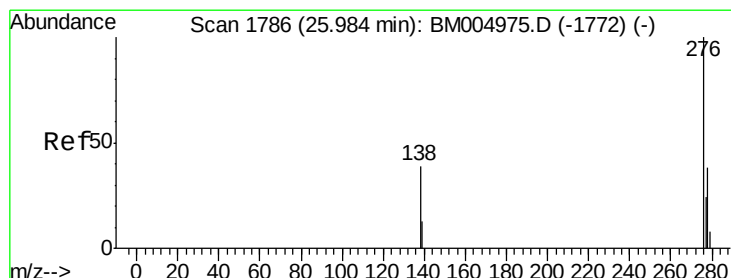
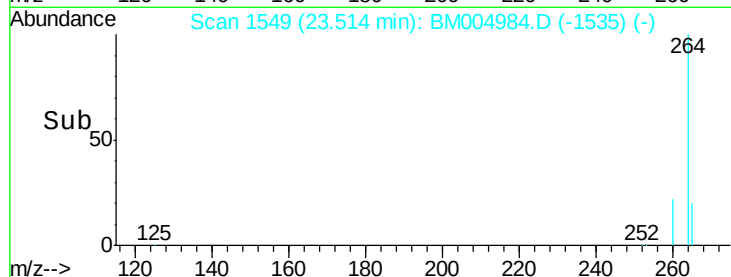
Abundance Ion 252.00 (251.70 to 252.70): E

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: 25.77 min Scan# 1765

Delta R.T. -0.22 min

Lab File: BM004984.D

Acq: 18 Apr 2016 21:58

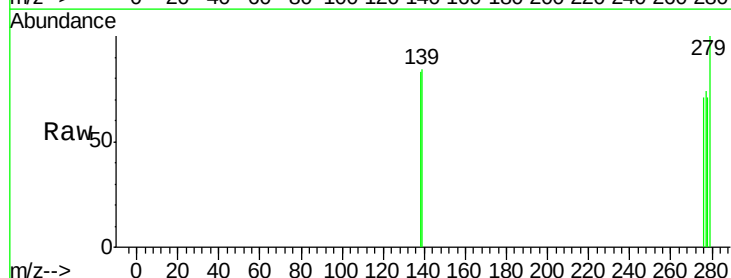
Tgt Ion:276 Resp: 2

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

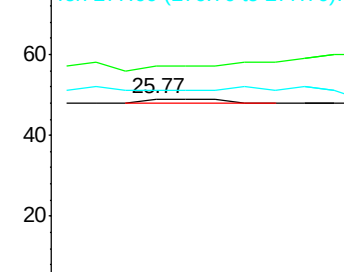
277 0.0 19.8 29.8#



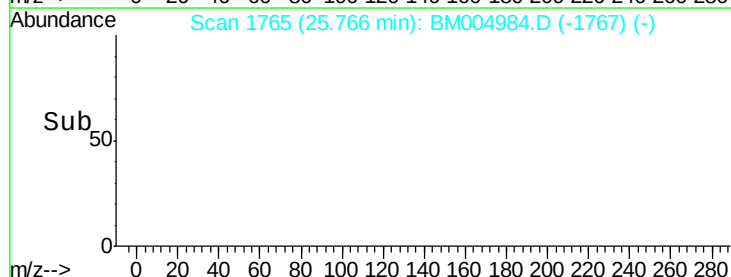
Abundance Ion 276.00 (275.70 to 276.70): E

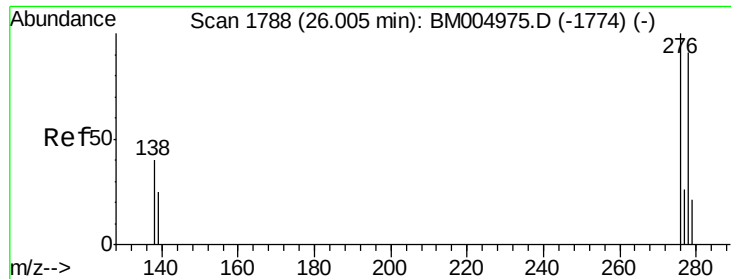
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->

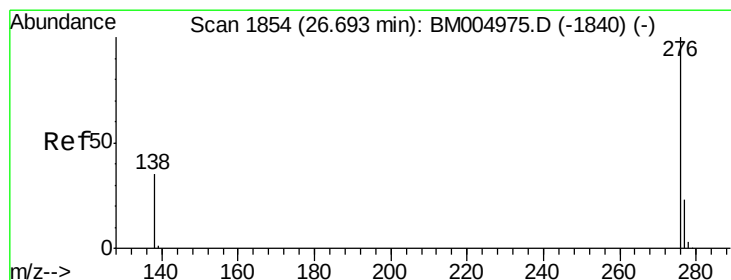
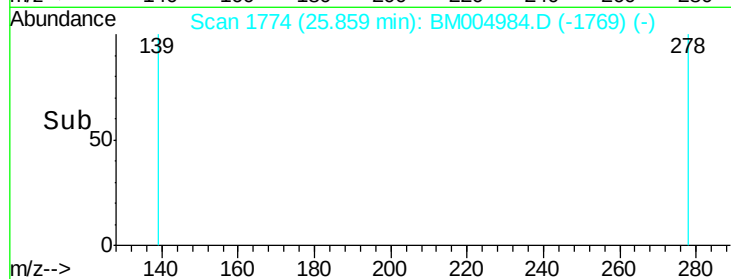
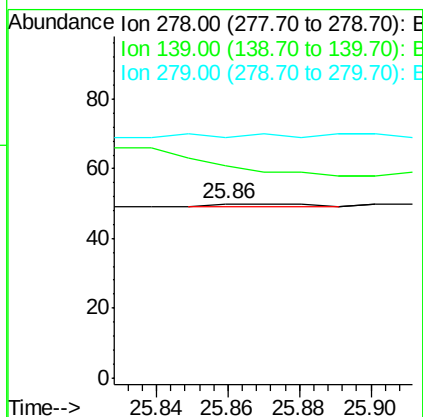
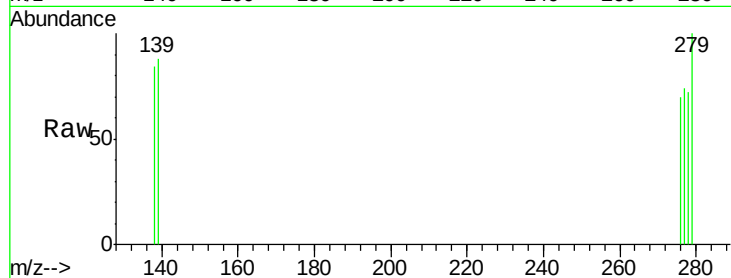




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.86 min Scan# 1774
Delta R.T. -0.15 min
Lab File: BM004984.D
Acq: 18 Apr 2016 21:58

Instrument :
BNA_M
ClientSampleId :
D9TA0

Tot Ion:278 Resp: 2
Ion Ratio Lower Upper
278 100
139 122.0 16.4 24.6#
279 138.0 20.2 30.2#



#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: BM004984.D
Acq: 18 Apr 2016 21:58

Tgt Ion:276 Resp: 3
Ion Ratio Lower Upper
276 100
277 106.1 18.9 28.3#
138 116.3 22.5 33.7#

