

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032516\
 Data File : BM004788.D
 Acq On : 25 Mar 2016 21:32
 Operator : UM/SJ
 Sample : H1909-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T48

Quant Time: Mar 26 02:45:33 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 26 02:43:19 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1265	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	6165	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	3905	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	548471	5.00	ng/ul	0.09
18) Chrysene-d12	21.39	240	8641	5.00	ng/ul	0.00
22) Perylene-d12	23.55	264	568545	5.00	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	5731	10.05	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	3000	0.35	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	7948	0.01	ng/ul	0.00

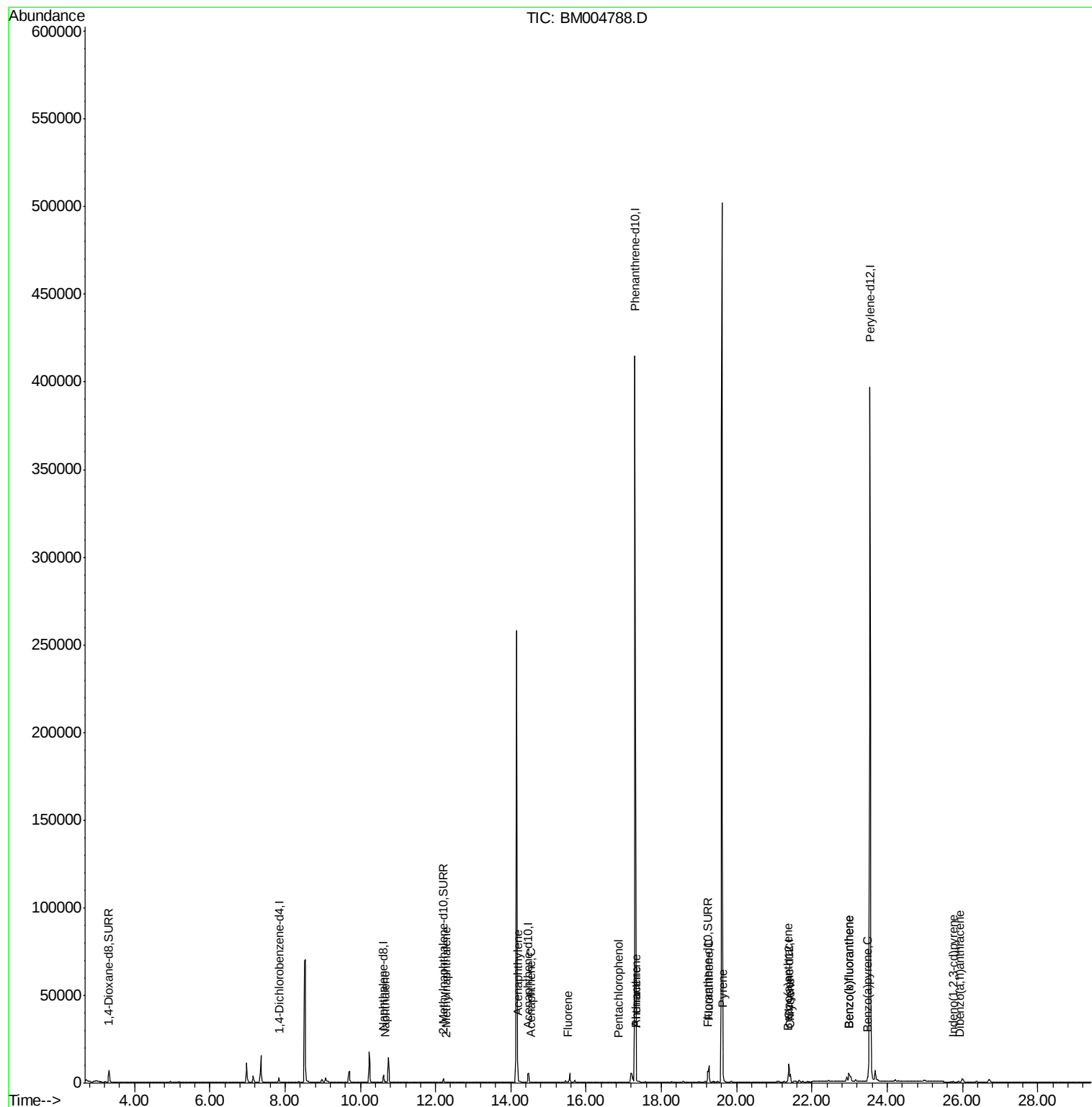
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	633	0.04	ng/ul#	68
7) 2-Methylnaphthalene	12.28	142	107	0.01	ng/ul	93
9) Acenaphthylene	14.18	152	855	0.05	ng/ul#	85
10) Acenaphthene	14.52	153	127	0.01	ng/ul#	74
11) Fluorene	15.51	166	255	0.02	ng/ul#	72
13) Pentachlorophenol	16.85	266	19	0.00	ng/ul#	16
14) Phenanthrene	17.33	178	1003	0.00	ng/ul#	75
15) Anthracene	17.33	178	983	0.00	ng/ul#	75
17) Fluoranthene	19.27	202	9189	0.01	ng/ul	96
19) Pyrene	19.63	202	9256	0.31	ng/ul#	96
20) Benzo(a)anthracene	21.37	228	3900	0.15	ng/ul#	90
21) Chrysene	21.42	228	5362	0.21	ng/ul#	90
23) Benzo(b)fluoranthene	22.98	252	6445	0.00	ng/ul#	80
24) Benzo(k)fluoranthene	22.98	252	10129	0.01	ng/ul#	83
25) Benzo(a)pyrene	23.48	252	3900	0.00	ng/ul#	78
26) Indeno(1,2,3-cd)pyrene	25.76	276	381	0.00	ng/ul#	74
27) Dibenzo(a,h)anthracene	25.91	278	194	0.00	ng/ul#	1

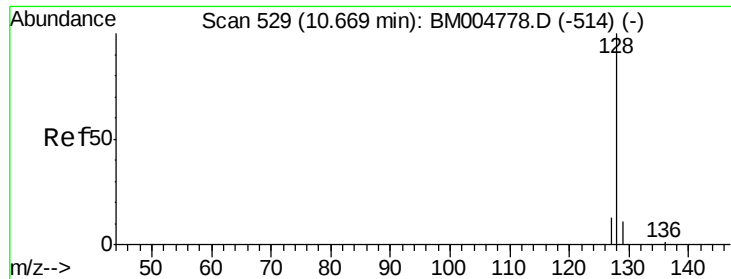
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.04 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004788.D

Acq: 25 Mar 2016 21:32

Instrument :

BNA_M

ClientSampleId :

A4T48

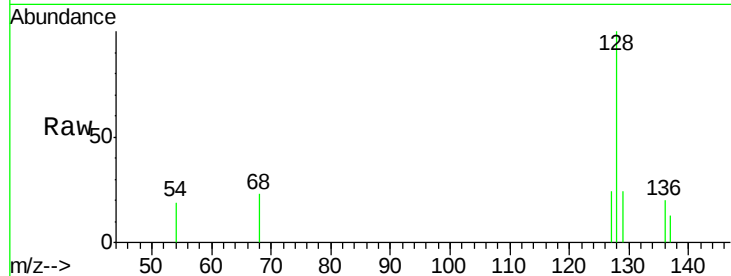
Tgt Ion:128 Resp: 633

Ion Ratio Lower Upper

128 100

129 23.6 9.0 13.6#

127 24.1 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

10.67

400

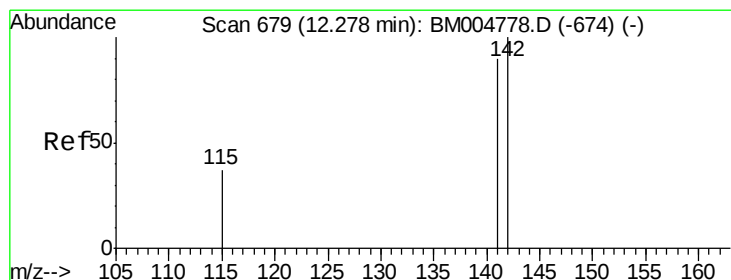
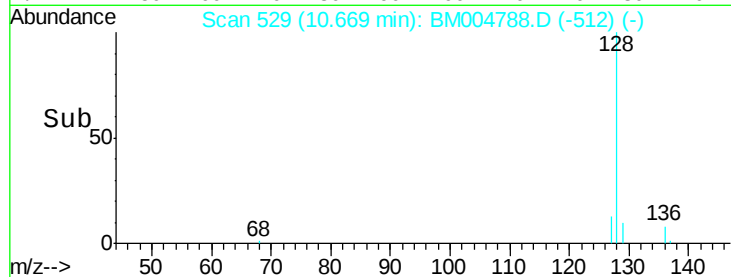
300

200

100

0

Time-->



#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004788.D

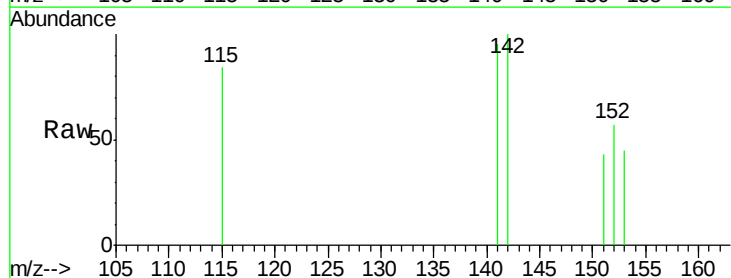
Acq: 25 Mar 2016 21:32

Tgt Ion:142 Resp: 107

Ion Ratio Lower Upper

142 100

141 94.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

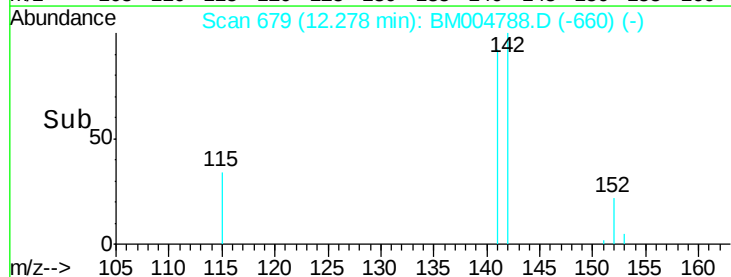
12.28

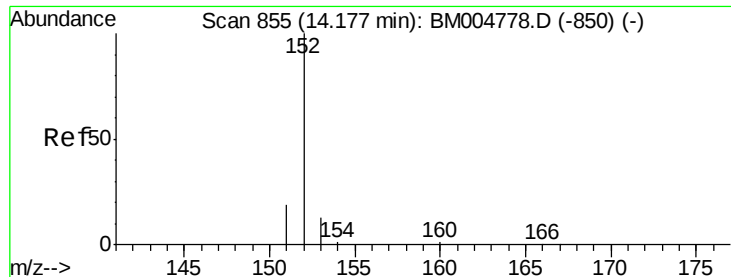
100

50

0

Time-->





#9

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004788.D

Acq: 25 Mar 2016 21:32

Instrument :

BNA_M

ClientSampleId :

A4T48

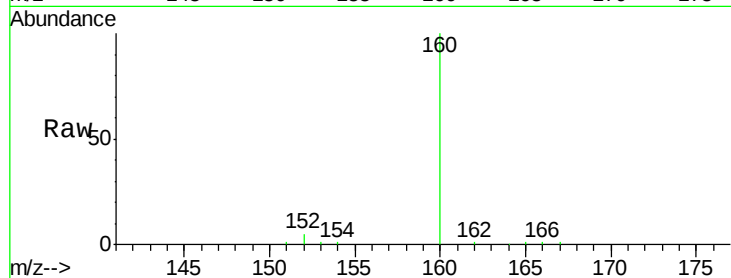
Tgt Ion:152 Resp: 855

Ion Ratio Lower Upper

152 100

151 26.4 17.6 26.4

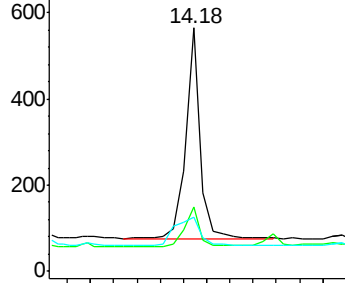
153 22.3 9.7 14.5#



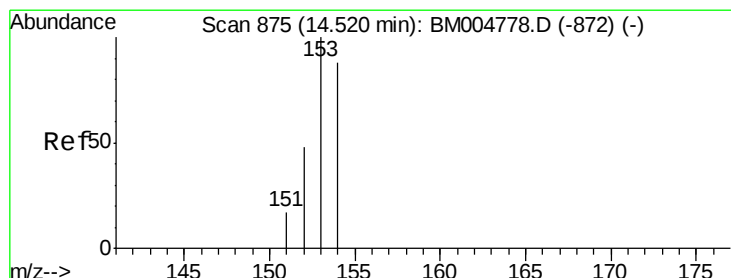
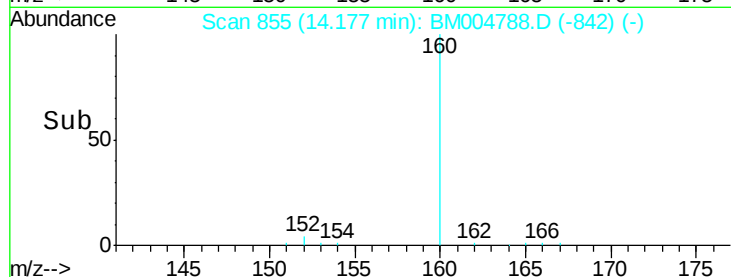
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004788.D

Acq: 25 Mar 2016 21:32

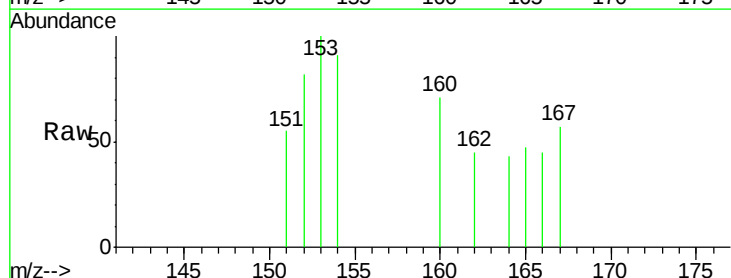
Tgt Ion:153 Resp: 127

Ion Ratio Lower Upper

153 100

152 82.2 33.9 50.9#

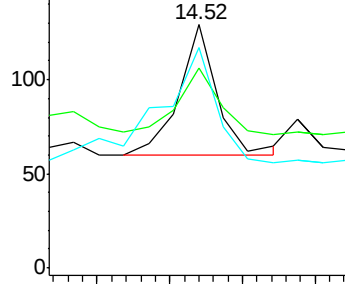
154 90.7 80.6 121.0



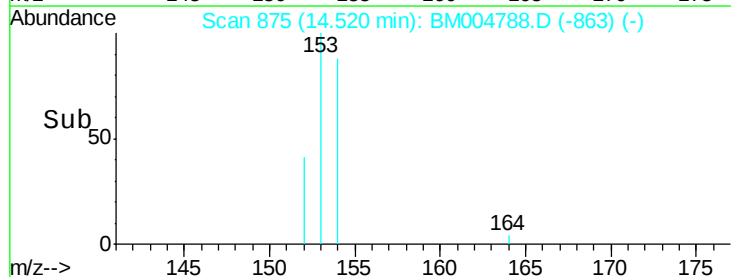
Abundance Ion 153.00 (152.70 to 153.70): E

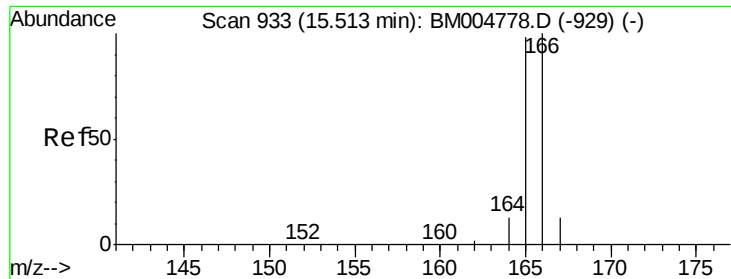
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->

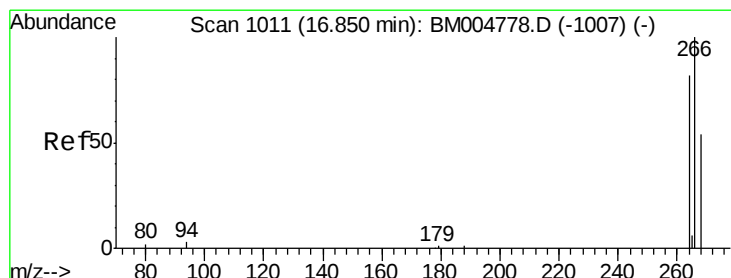
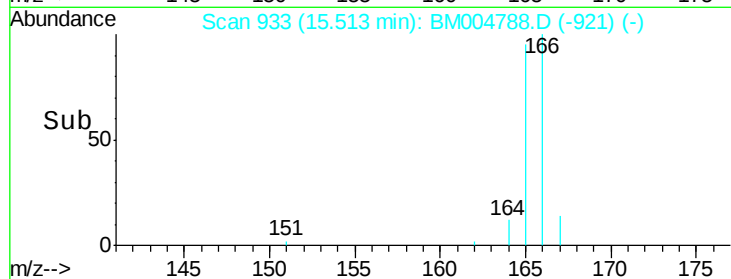
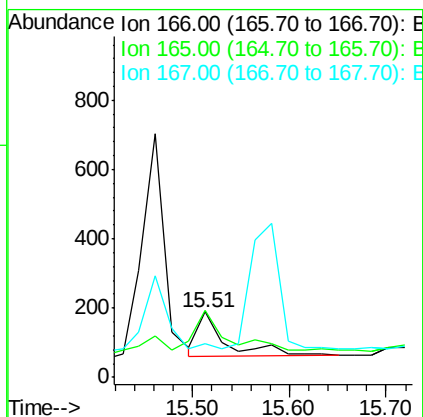
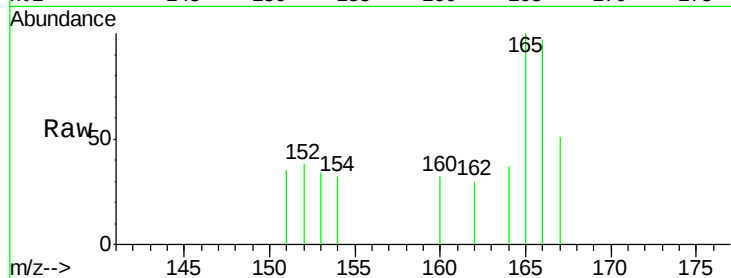




#11
 Fluorene
 Concen: 0.02 ng/ul
 RT: 15.51 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: BM004788.D
 Acq: 25 Mar 2016 21:32

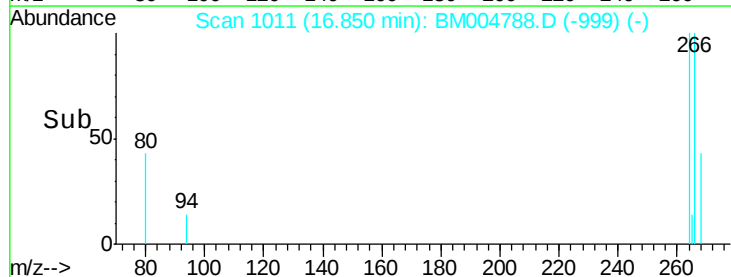
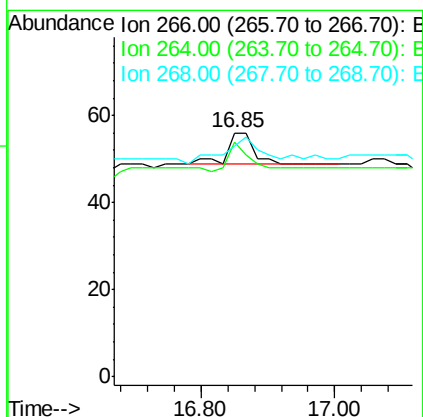
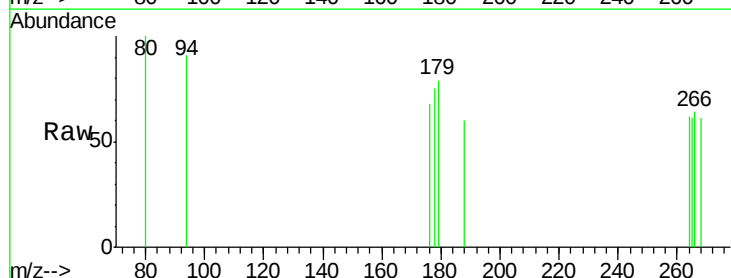
Instrument :
 BNA_M
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 A4T48

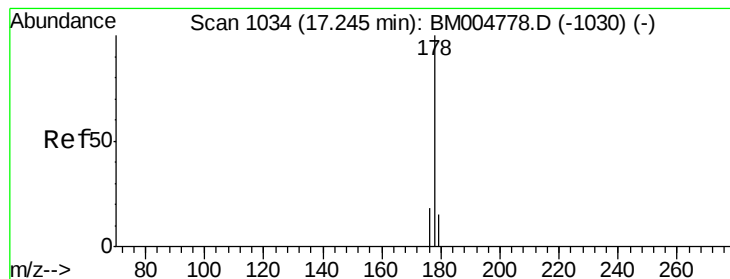
Tgt Ion:166 Resp: 255
 Ion Ratio Lower Upper
 166 100
 165 102.7 69.6 104.4
 167 52.1 11.9 17.9#



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: BM004788.D
 Acq: 25 Mar 2016 21:32

Tgt Ion:266 Resp: 19
 Ion Ratio Lower Upper
 266 100
 264 131.6 51.8 77.8#
 268 121.1 46.8 70.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.09 min

Lab File: BM004788.D

Acq: 25 Mar 2016 21:32

Instrument :

BNA_M

ClientSampleId :

A4T48

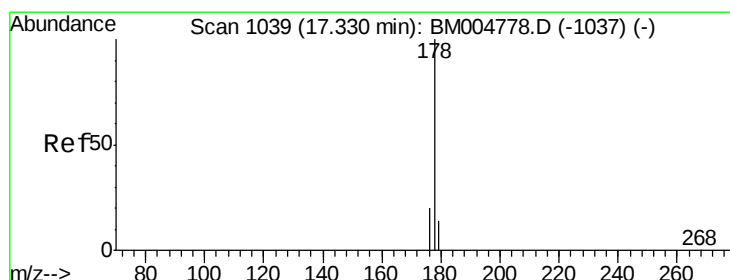
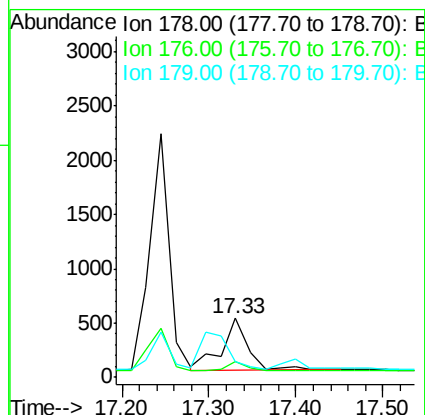
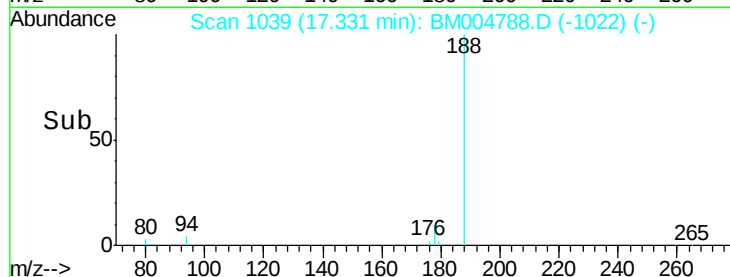
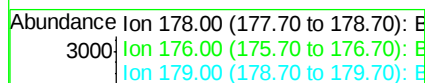
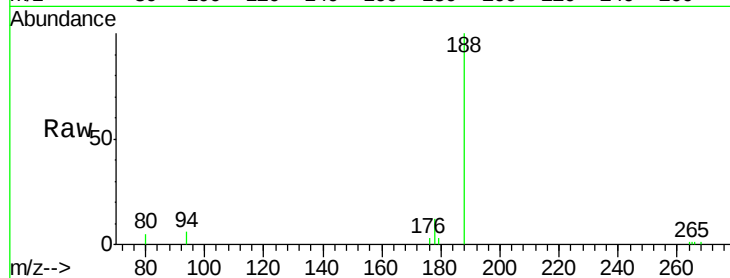
Tgt Ion:178 Resp: 1003

Ion Ratio Lower Upper

178 100

176 27.7 13.0 19.4#

179 27.7 14.2 21.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM004788.D

Acq: 25 Mar 2016 21:32

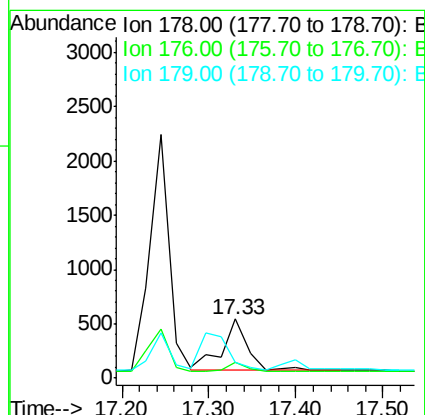
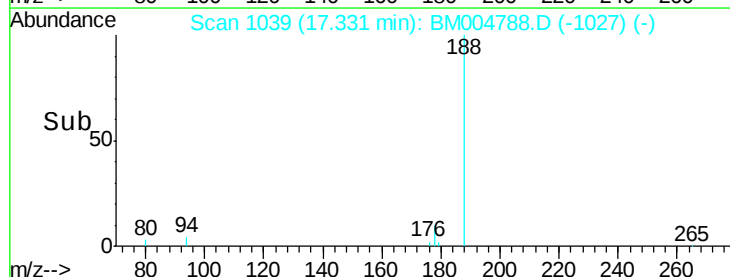
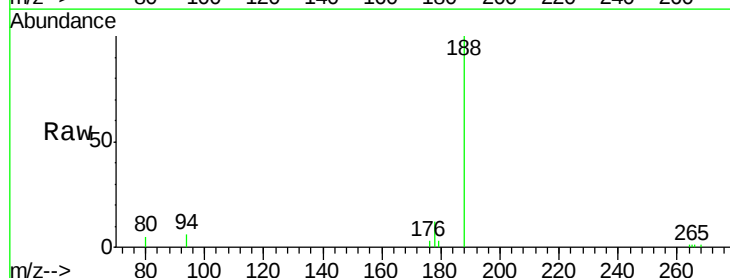
Tgt Ion:178 Resp: 983

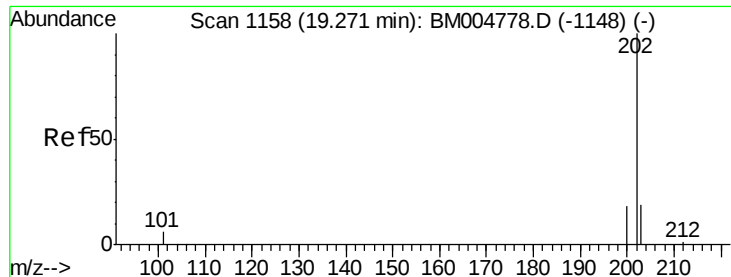
Ion Ratio Lower Upper

178 100

176 27.7 14.0 21.0#

179 27.7 12.9 19.3#





#17

Fluoranthene

Concen: 0.01 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BM004788.D

Acq: 25 Mar 2016 21:32

Instrument :

BNA_M

ClientSampleId :

A4T48

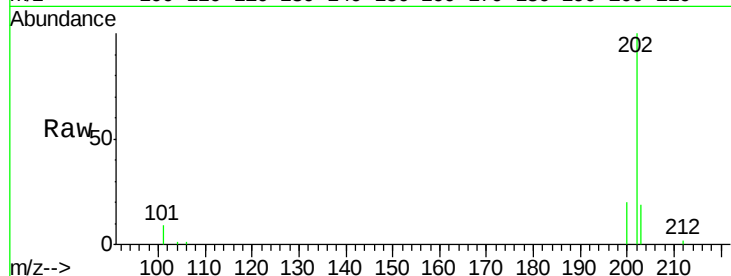
Tgt Ion:202 Resp: 9189

Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.6

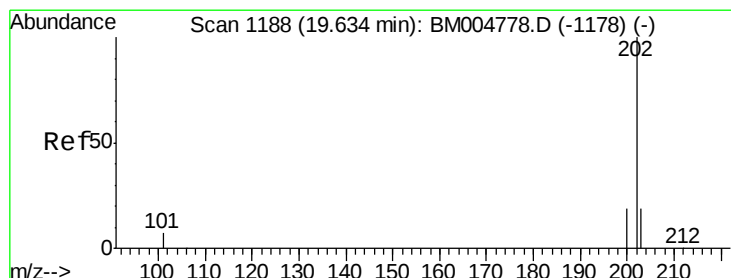
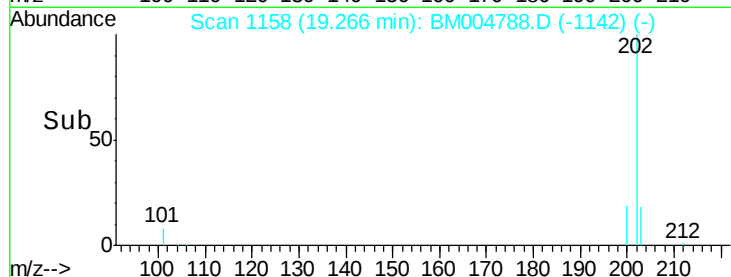
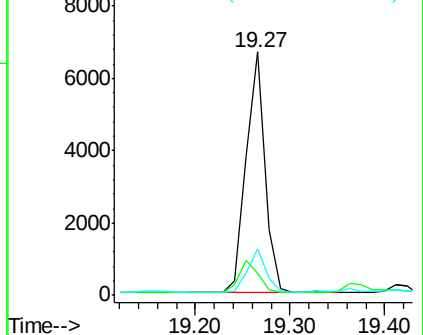
203 19.1 0.0 36.3



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: 0.31 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BM004788.D

Acq: 25 Mar 2016 21:32

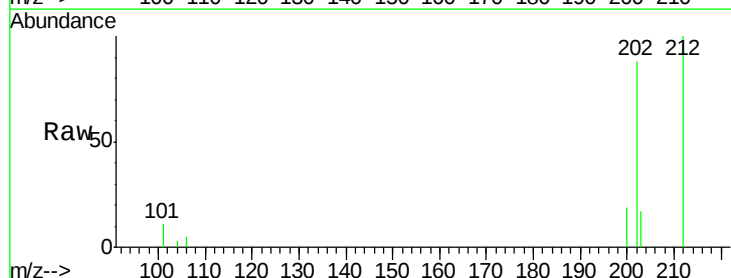
Tgt Ion:202 Resp: 9256

Ion Ratio Lower Upper

202 100

200 21.3 17.8 26.8

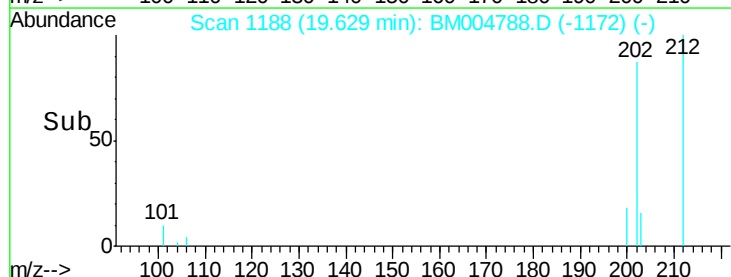
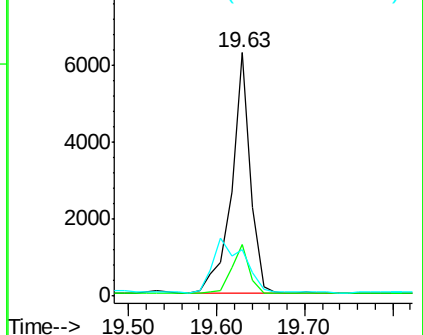
203 19.3 12.8 19.2#

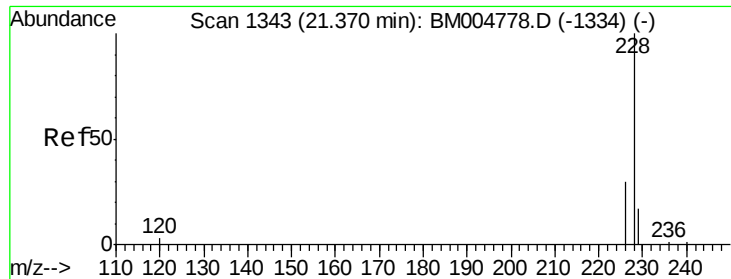


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.15 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. -0.00 min

Lab File: BM004788.D

Acq: 25 Mar 2016 21:32

Instrument :

BNA_M

ClientSampleId :

A4T48

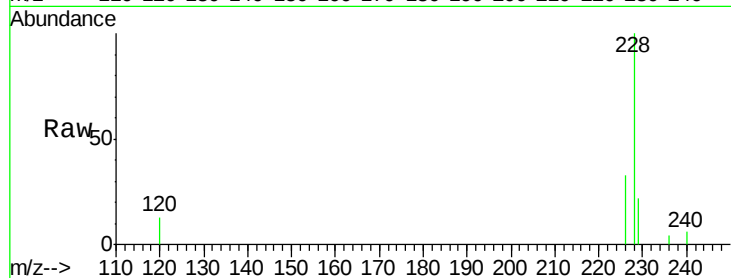
Tgt Ion:228 Resp: 3900

Ion Ratio Lower Upper

228 100

226 33.1 18.8 28.2#

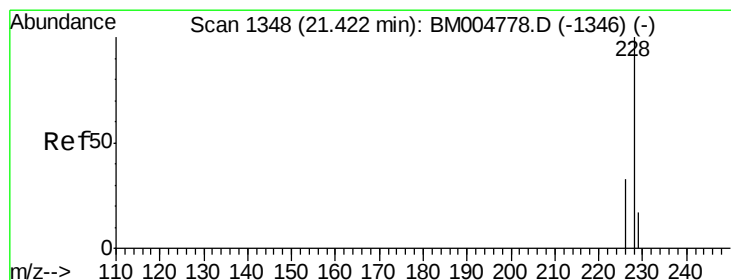
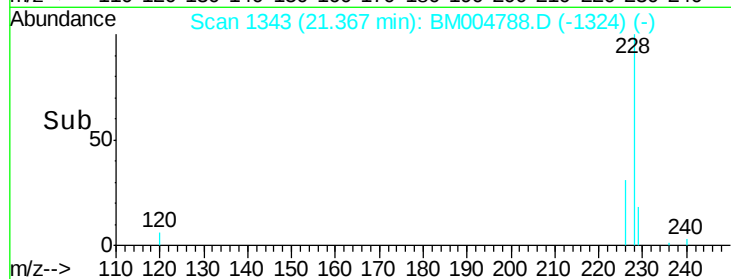
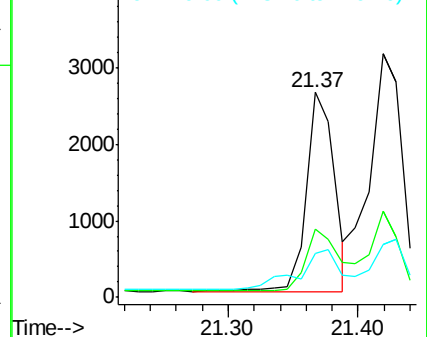
229 21.6 17.1 25.7



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: 0.21 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BM004788.D

Acq: 25 Mar 2016 21:32

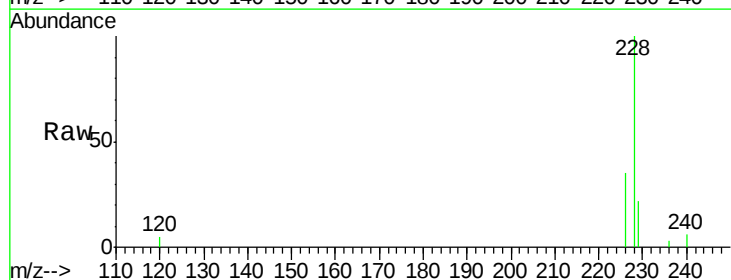
Tgt Ion:228 Resp: 5362

Ion Ratio Lower Upper

228 100

226 35.3 21.2 31.8#

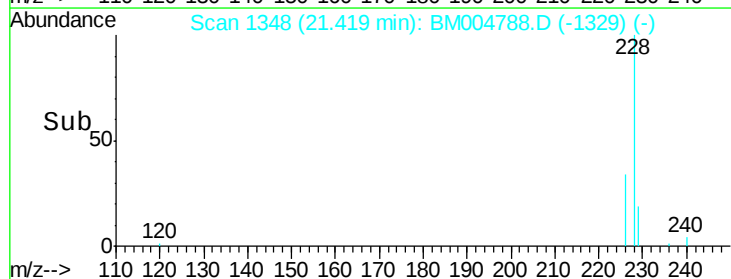
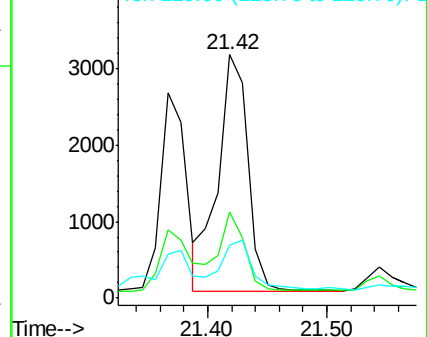
229 21.7 17.0 25.6

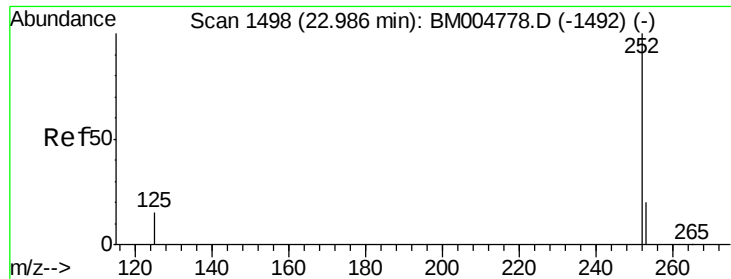


Abundance Ion 228.00 (227.70 to 228.70): E

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/u1

RT: 22.98 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BM004788.D

Acq: 25 Mar 2016 21:32

Instrument :

BNA_M

ClientSampleId :

A4T48

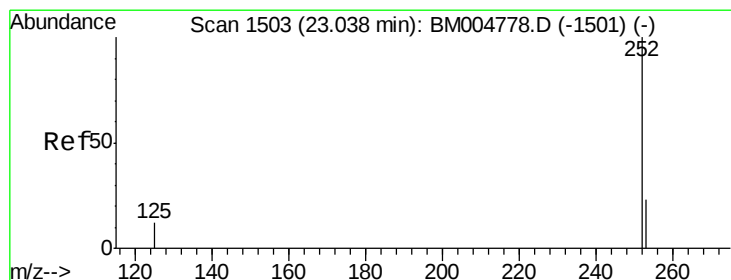
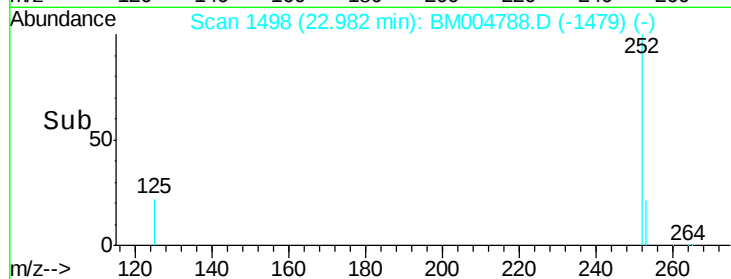
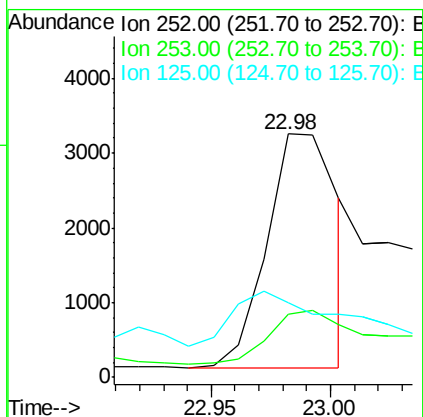
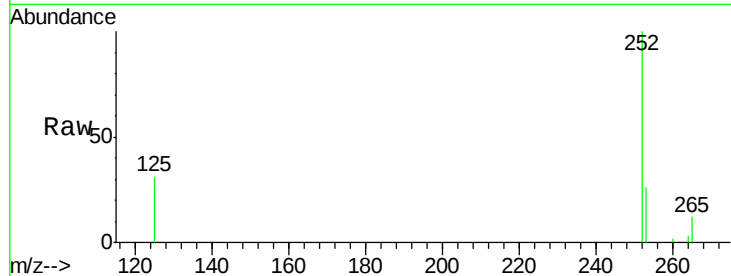
Tgt Ion:252 Resp: 6445

Ion Ratio Lower Upper

252 100

253 26.0 0.0 45.4

125 30.6 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.01 ng/u1

RT: 22.98 min Scan# 1498

Delta R.T. -0.06 min

Lab File: BM004788.D

Acq: 25 Mar 2016 21:32

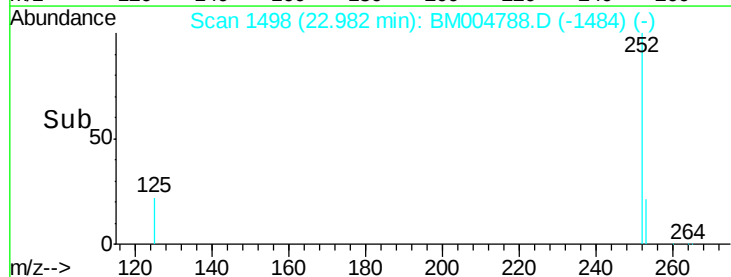
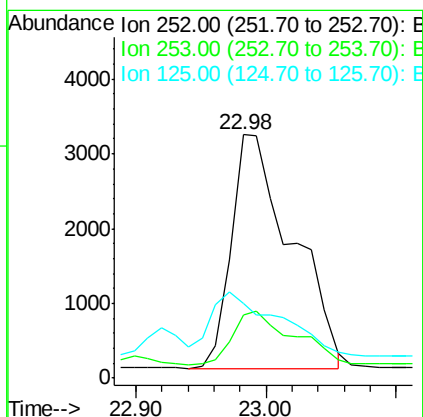
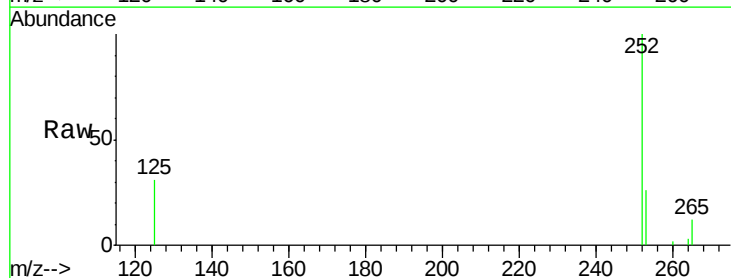
Tgt Ion:252 Resp: 10129

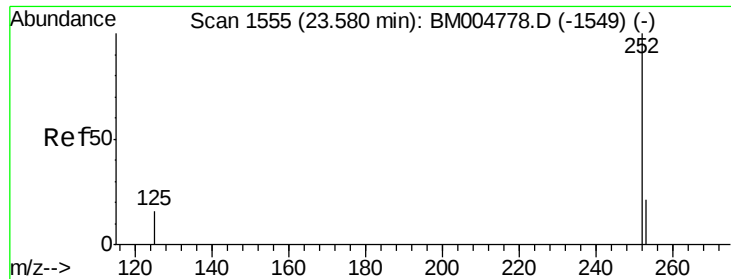
Ion Ratio Lower Upper

252 100

253 26.0 19.8 29.8

125 30.6 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.48 min Scan# 1546

Delta R.T. -0.10 min

Lab File: BM004788.D

Acq: 25 Mar 2016 21:32

Instrument :

BNA_M

ClientSampleId :

A4T48

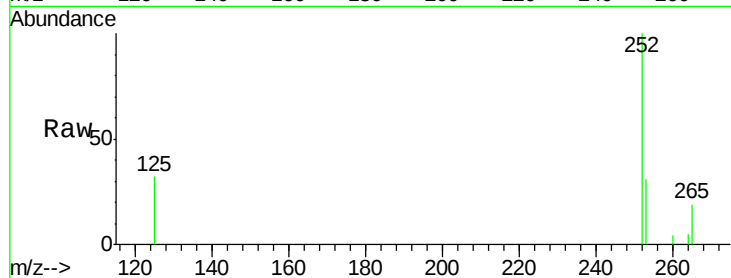
Tgt Ion:252 Resp: 3900

Ion Ratio Lower Upper

252 100

253 30.6 19.4 29.2#

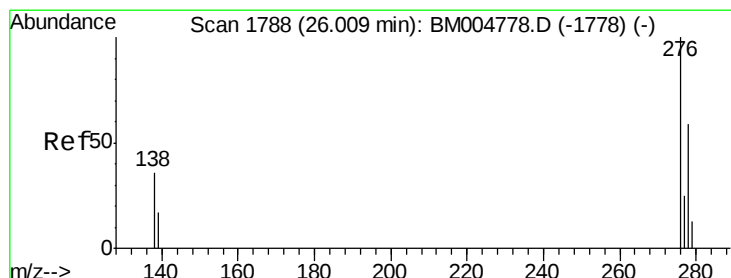
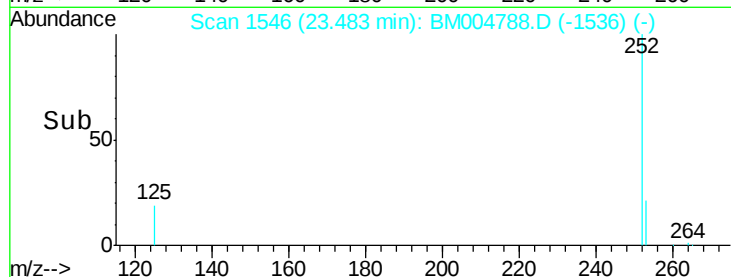
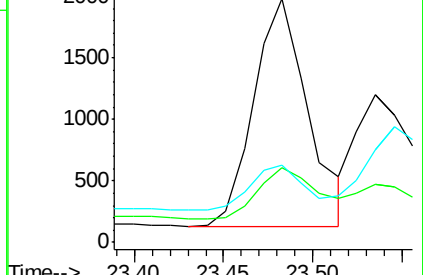
125 31.6 12.7 19.1#



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/u1

RT: 25.76 min Scan# 1764

Delta R.T. -0.25 min

Lab File: BM004788.D

Acq: 25 Mar 2016 21:32

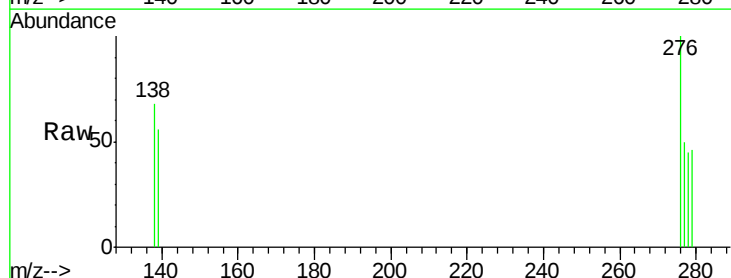
Tgt Ion:276 Resp: 381

Ion Ratio Lower Upper

276 100

138 45.4 16.3 24.5#

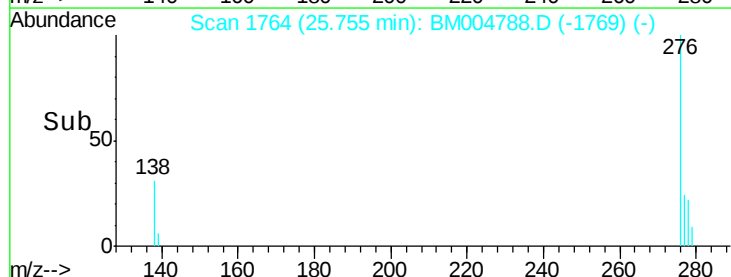
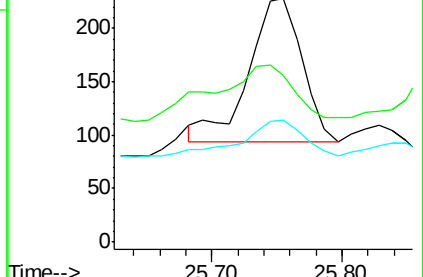
277 26.5 19.8 29.8

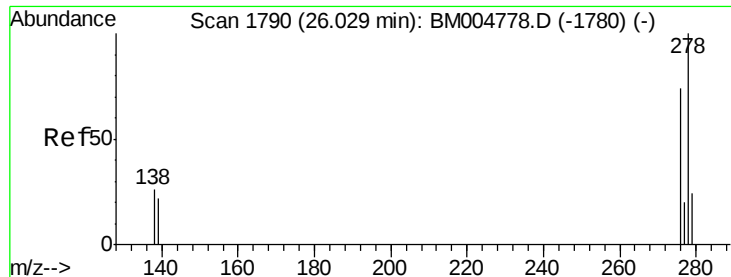


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.91 min Scan# 1779

Delta R.T. -0.12 min

Lab File: BM004788.D

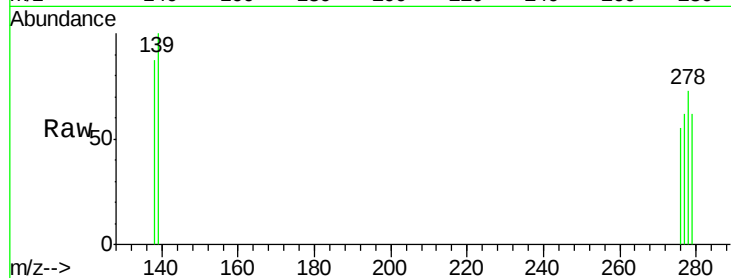
Acq: 25 Mar 2016 21:32

Instrument :

BNA_M

ClientSampleId :

A4T48



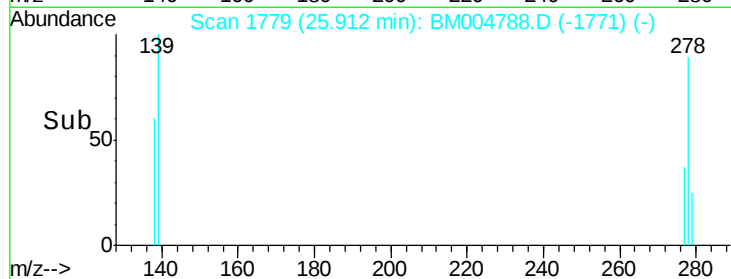
Tgt Ion: 278 Resp: 194

Ion Ratio Lower Upper

278 100

139 137.4 16.4 24.6#

279 85.5 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

Time-->

25.80 25.90

25.91