

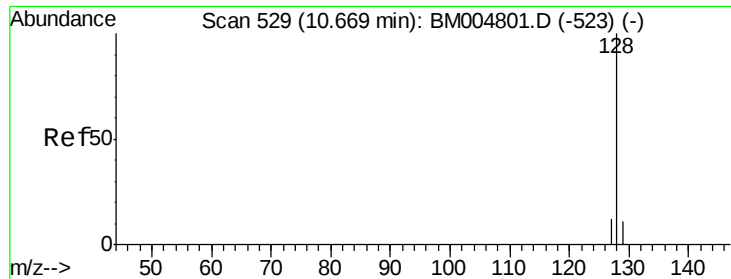
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032816\
 Data File : BM004807.D
 Acq On : 28 Mar 2016 15:20
 Operator : UM/SJ
 Sample : H1909-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T41

Quant Time: Mar 29 03:08:42 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 Mar 29 02:37:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1041	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	4882	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2898	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	320633	5.00	ng/ul	0.09
18) Chrysene-d12	21.40	240	6586	5.00	ng/ul	0.00
22) Perylene-d12	23.55	264	310161	5.00	ng/ul	-0.14
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	3892	8.30	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	1676	0.25	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	4381	0.01	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.67	128	8587	0.73	ng/ul	97
7) 2-Methylnaphthalene	12.28	142	1574	0.19	ng/ul	99
9) Acenaphthylene	14.18	152	21138	1.59	ng/ul	94
10) Acenaphthene	14.52	153	3163	0.34	ng/ul	89
11) Fluorene	15.51	166	6937	0.62	ng/ul	91
13) Pentachlorophenol	16.87	266	25	0.00	ng/ul	88
14) Phenanthrene	17.24	178	124116	0.14	ng/ul	96
15) Anthracene	17.33	178	33132	0.04	ng/ul	96
17) Fluoranthene	19.41	202	14332	0.01	ng/ul	80
19) Pyrene	19.63	202	296936	13.17	ng/ul	97
20) Benzo(a)anthracene	21.43	228	159269	7.87	ng/ul	93
21) Chrysene	21.43	228	159173	8.14	ng/ul	97
23) Benzo(b)fluoranthene	22.99	252	197173	0.19	ng/ul	98
24) Benzo(k)fluoranthene	22.99	252	285352	0.29	ng/ul#	94
25) Benzo(a)pyrene	23.59	252	124224	0.13	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.76	276	9347	0.01	ng/ul	98
27) Dibenzo(a,h)anthracene	25.91	278	4322	0.01	ng/ul#	72

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



#5

Naphthalene

Concen: 0.73 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004807.D

Acq: 28 Mar 2016 15:20

Instrument :

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ClientSampleId :

A4T41

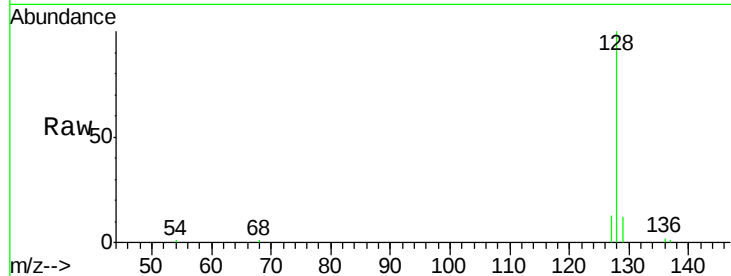
Tgt Ion:128 Resp: 8587

Ion Ratio Lower Upper

128 100

129 12.3 9.0 13.6

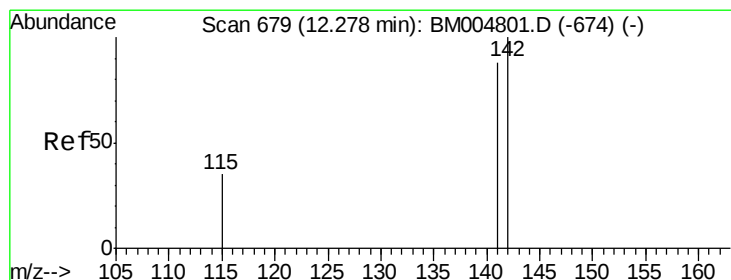
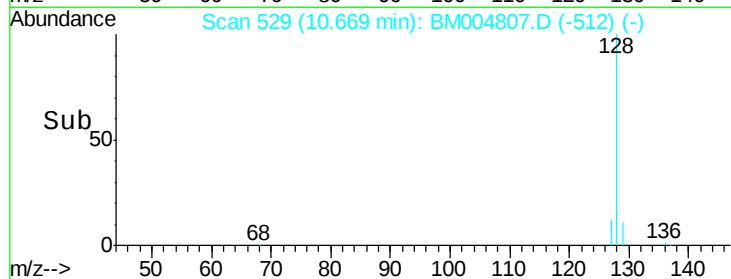
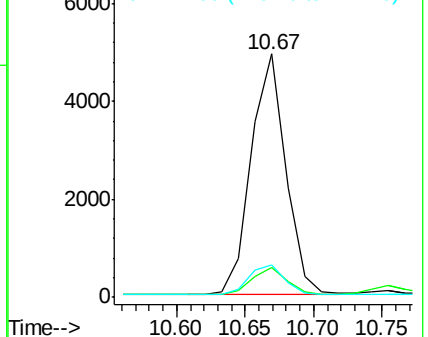
127 13.2 9.6 14.4



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: 0.19 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004807.D

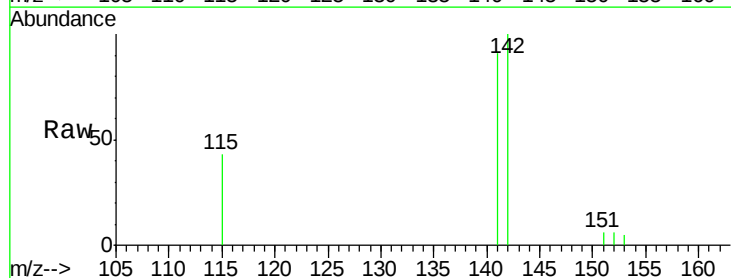
Acq: 28 Mar 2016 15:20

Tgt Ion:142 Resp: 1574

Ion Ratio Lower Upper

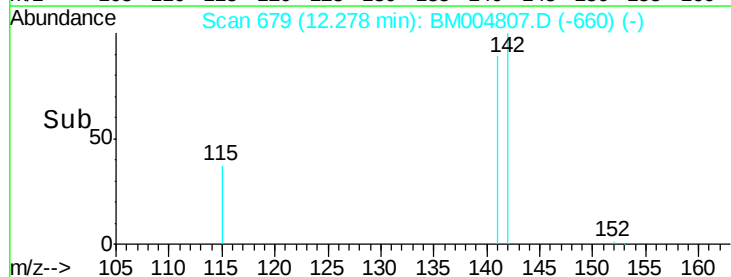
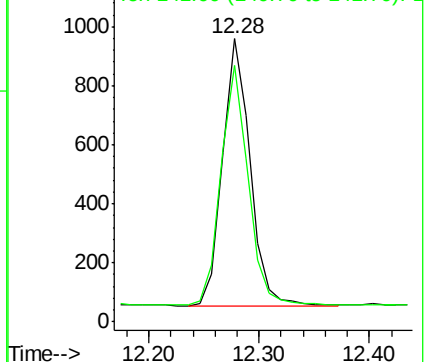
142 100

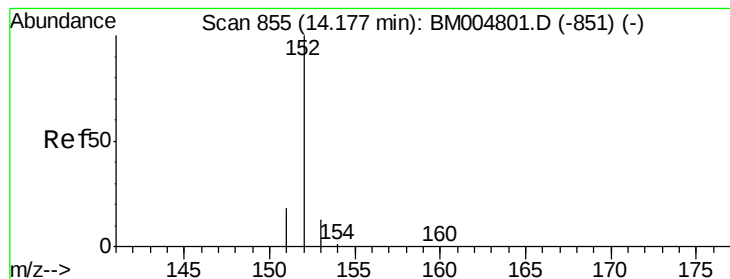
141 89.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 1.59 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004807.D

Acq: 28 Mar 2016 15:20

Instrument :

BNA_M

ClientSampleId :

A4T41

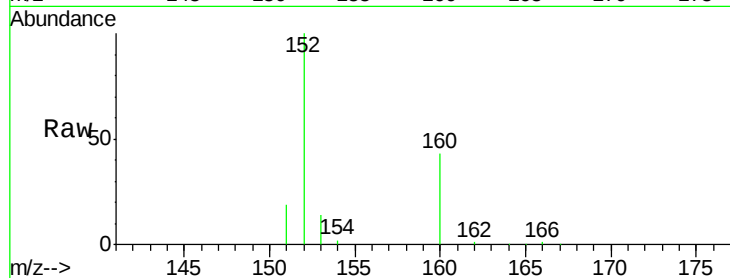
Tgt Ion:152 Resp: 21138

Ion Ratio Lower Upper

152 100

151 18.8 17.6 26.4

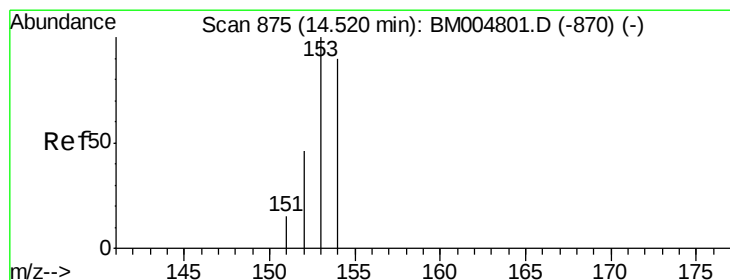
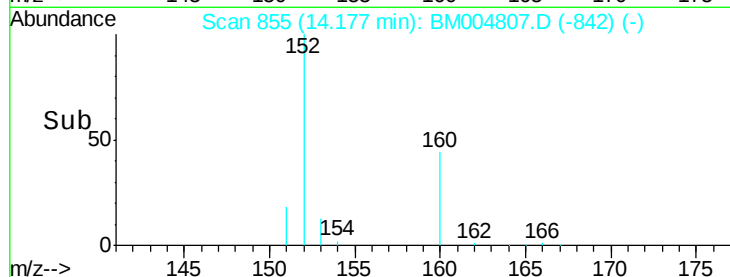
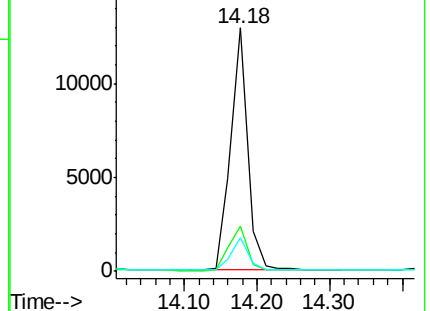
153 13.9 9.7 14.5



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: 0.34 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004807.D

Acq: 28 Mar 2016 15:20

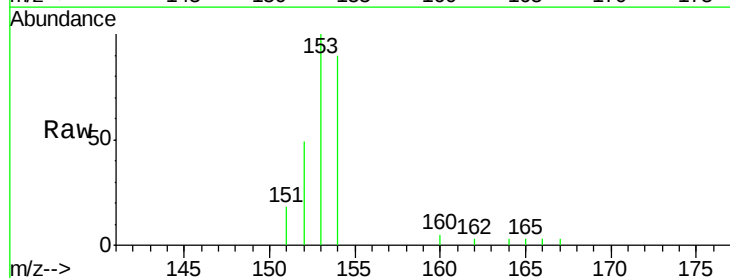
Tgt Ion:153 Resp: 3163

Ion Ratio Lower Upper

153 100

152 48.9 33.9 50.9

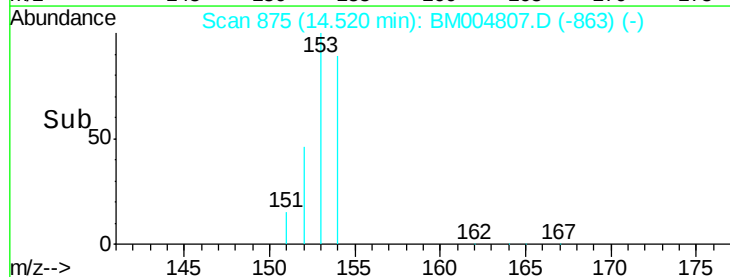
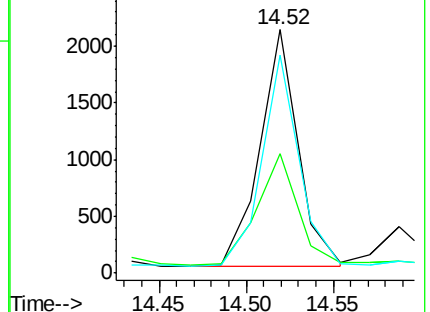
154 89.6 80.6 121.0

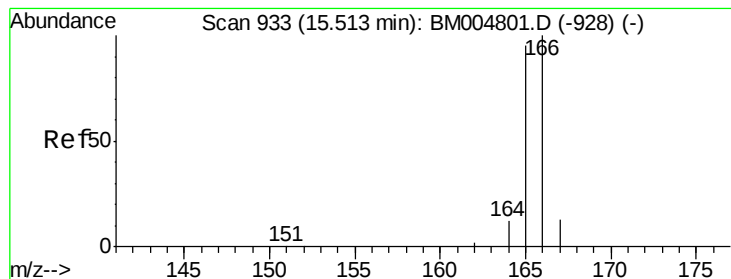


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.62 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.00 min

Lab File: BM004807.D

Acq: 28 Mar 2016 15:20

Instrument :

BNA_M

ClientSampleId :

A4T41

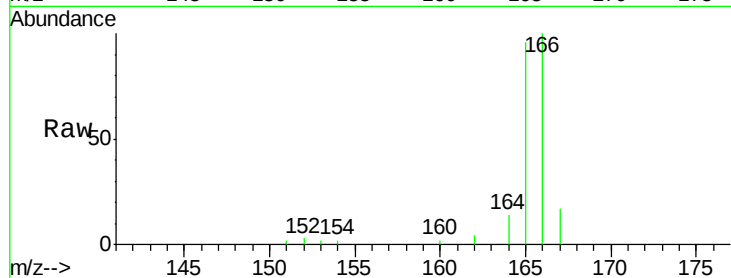
Tgt Ion:166 Resp: 6937

Ion Ratio Lower Upper

166 100

165 96.0 69.6 104.4

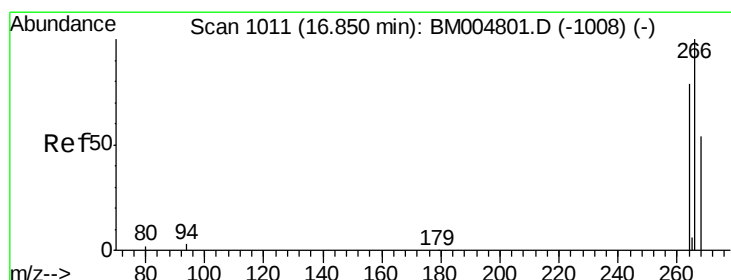
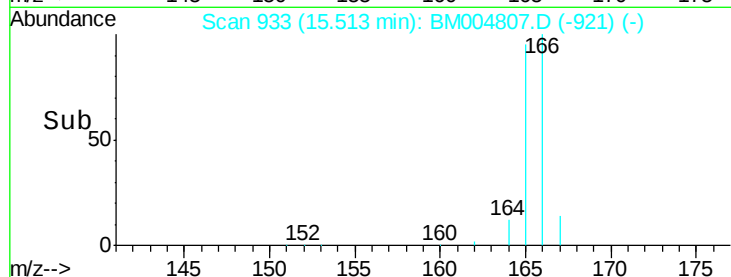
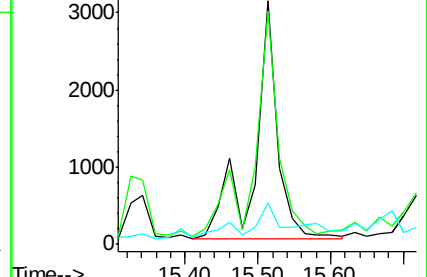
167 16.8 11.9 17.9



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: 16.87 min Scan# 1012

Delta R.T. 0.02 min

Lab File: BM004807.D

Acq: 28 Mar 2016 15:20

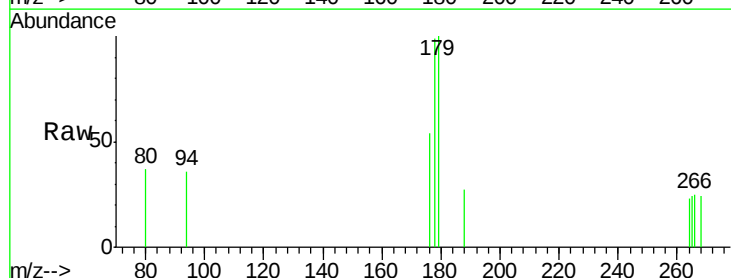
Tgt Ion:266 Resp: 25

Ion Ratio Lower Upper

266 100

264 76.0 51.8 77.8

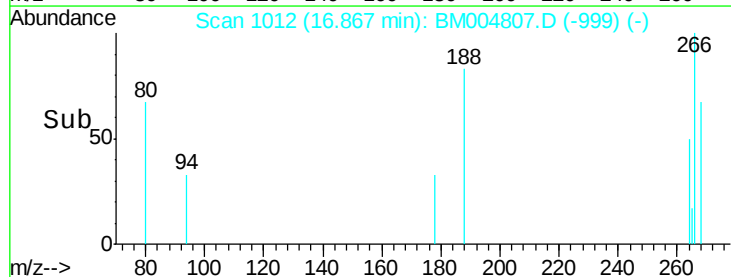
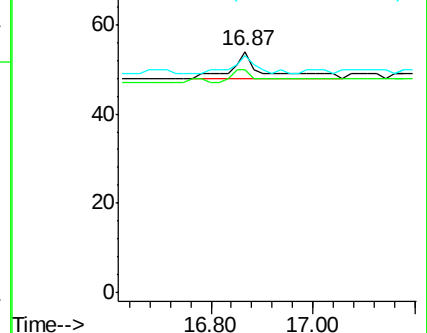
268 52.0 46.8 70.2

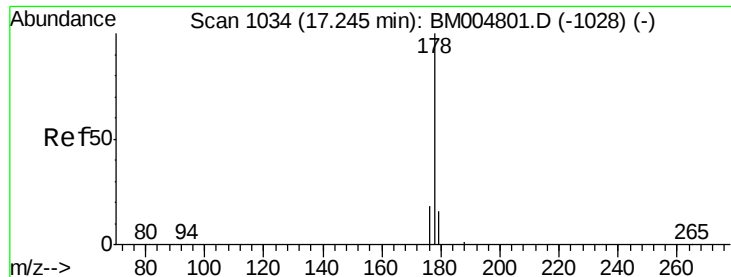


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

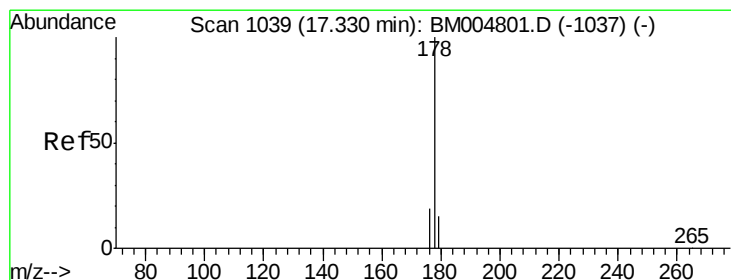
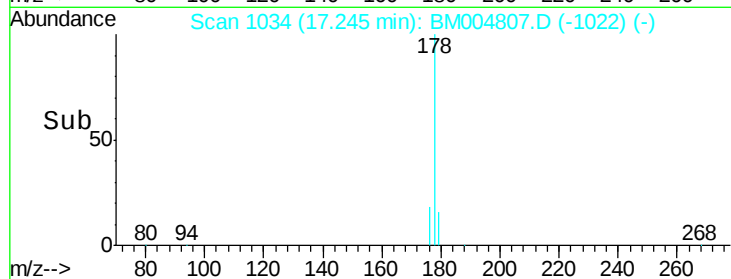
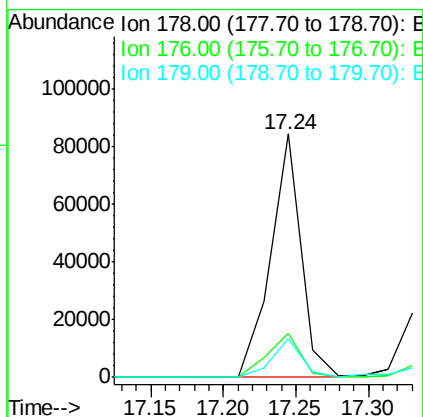
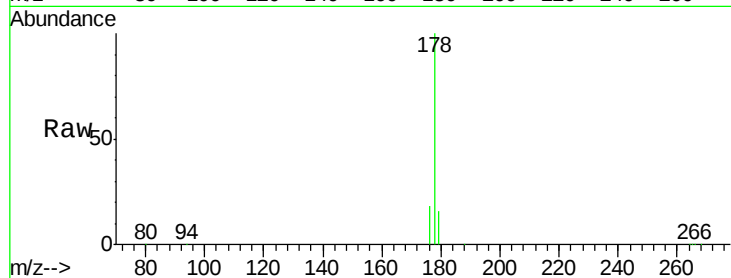




#14
Phenanthrene
Concen: 0.14 ng/ul
RT: 17.24 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BM004807.D
Acq: 28 Mar 2016 15:20

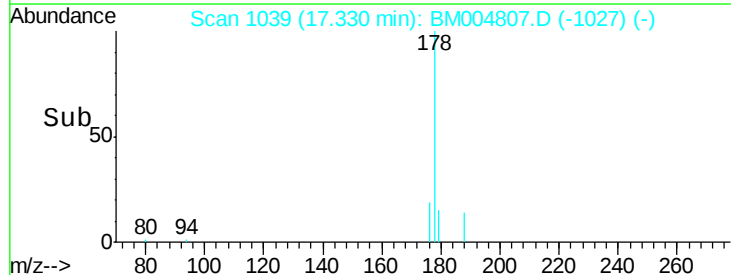
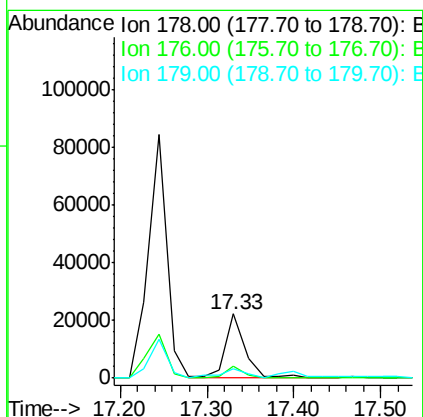
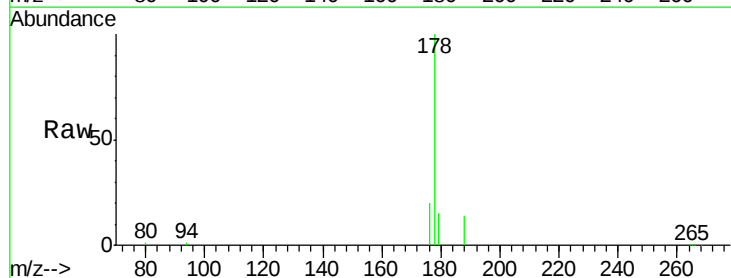
Instrument :
BNA_M
ClientSampleId :
A4T41

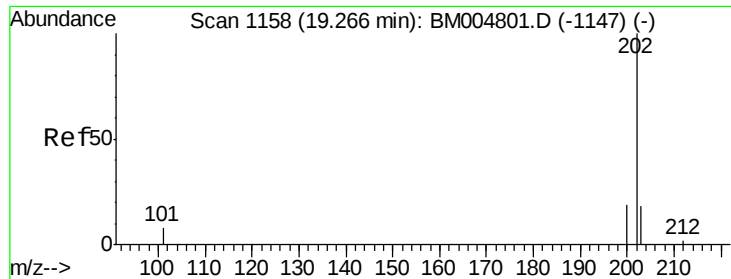
Tgt Ion:178 Resp: 124116
Ion Ratio Lower Upper
178 100
176 18.1 13.0 19.4
179 15.9 14.2 21.2



#15
Anthracene
Concen: 0.04 ng/ul
RT: 17.33 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BM004807.D
Acq: 28 Mar 2016 15:20

Tgt Ion:178 Resp: 33132
Ion Ratio Lower Upper
178 100
176 19.6 14.0 21.0
179 15.1 12.9 19.3

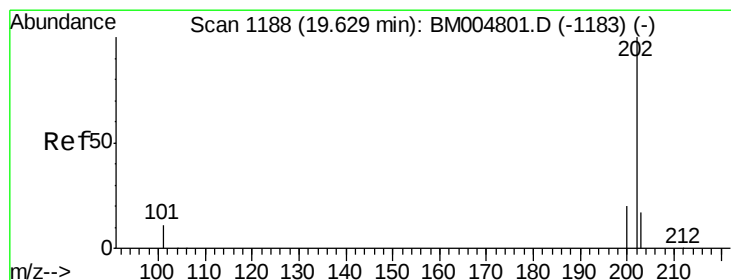
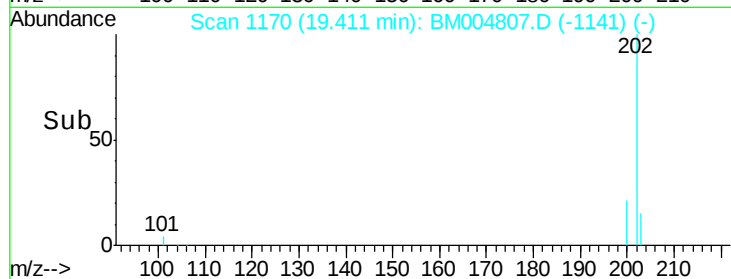
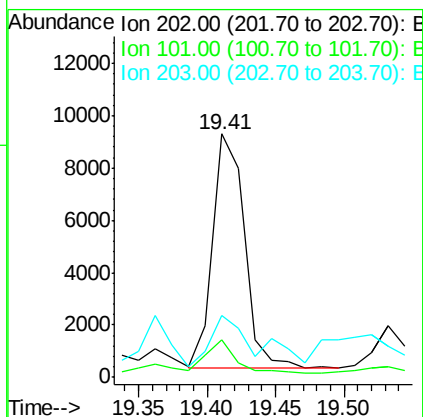
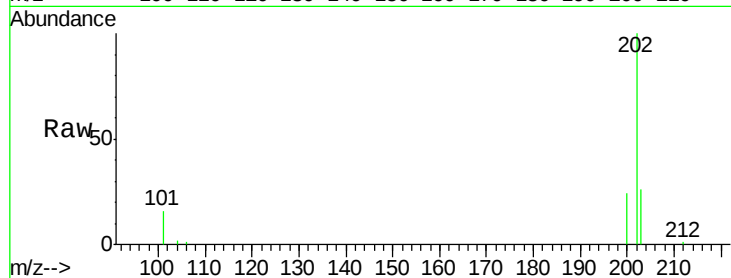




#17
Fluoranthene
Concen: 0.01 ng/ul
RT: 19.41 min Scan# 1170
Delta R.T. 0.15 min
Lab File: BM004807.D
Acq: 28 Mar 2016 15:20

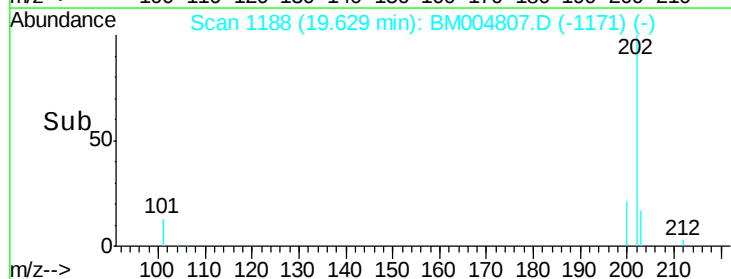
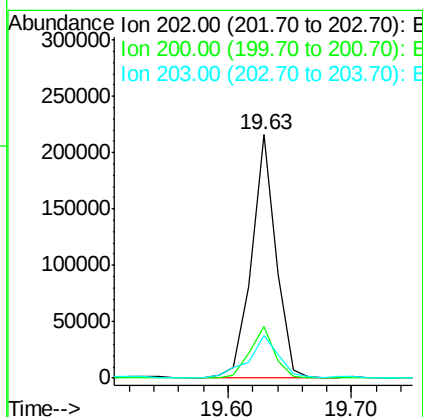
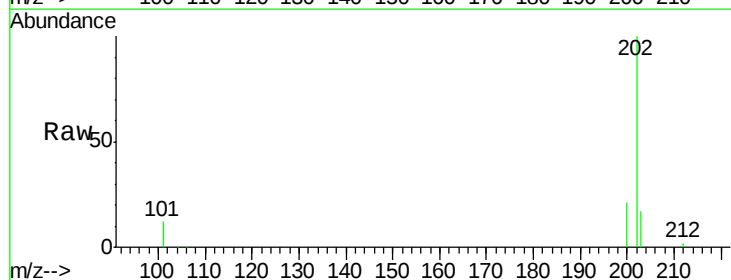
Instrument :
BNA_M
ClientSampleId :
A4T41

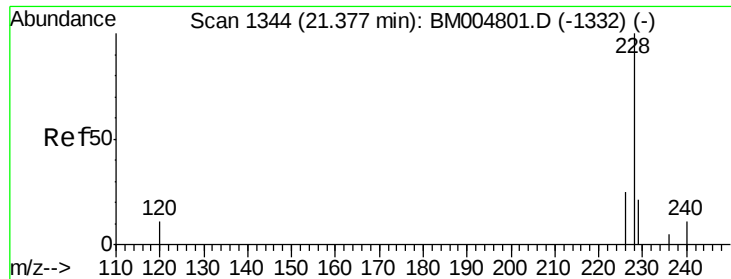
Tgt Ion:202 Resp: 14332
Ion Ratio Lower Upper
202 100
101 15.5 0.0 29.6
203 25.7 0.0 36.3



#19
Pyrene
Concen: 13.17 ng/ul
RT: 19.63 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BM004807.D
Acq: 28 Mar 2016 15:20

Tgt Ion:202 Resp: 296936
Ion Ratio Lower Upper
202 100
200 21.1 17.8 26.8
203 17.5 12.8 19.2





#20

Benzo(a)anthracene

Concen: 7.87 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.05 min

Lab File: BM004807.D

Acq: 28 Mar 2016 15:20

Instrument :

BNA_M

ClientSampleId :

A4T41

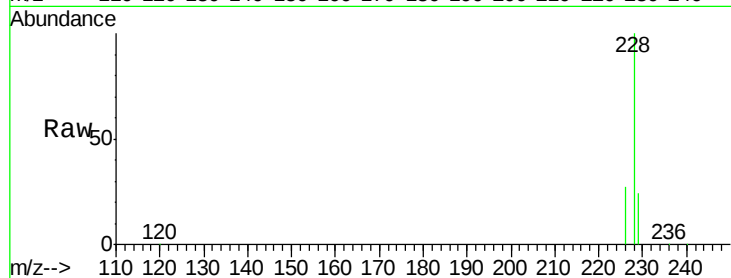
Tgt Ion:228 Resp: 159269

Ion Ratio Lower Upper

228 100

226 27.4 18.8 28.2

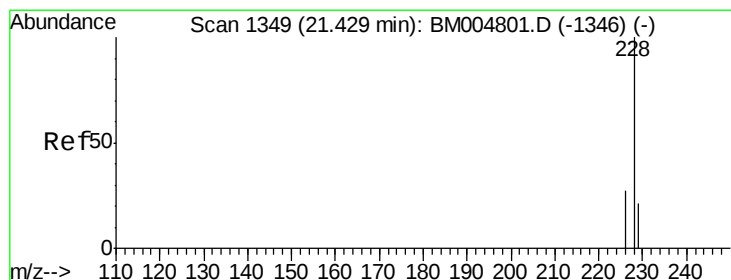
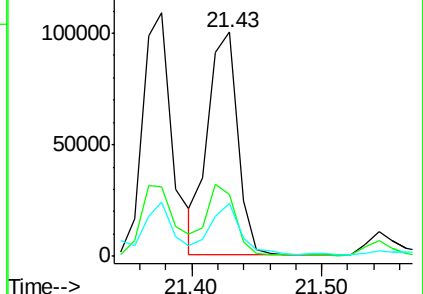
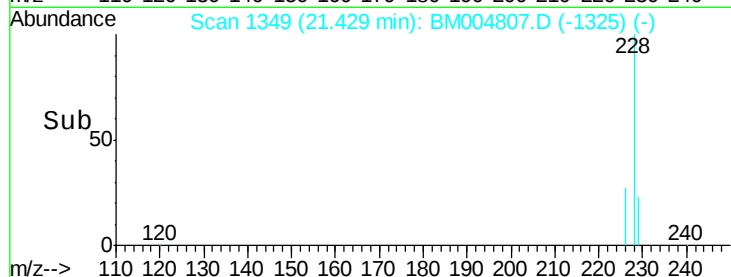
229 23.7 17.1 25.7



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: 8.14 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BM004807.D

Acq: 28 Mar 2016 15:20

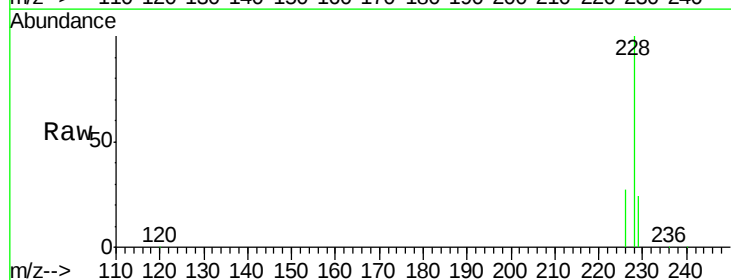
Tgt Ion:228 Resp: 159173

Ion Ratio Lower Upper

228 100

226 27.4 21.2 31.8

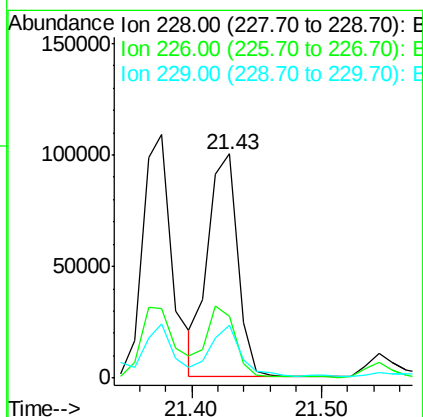
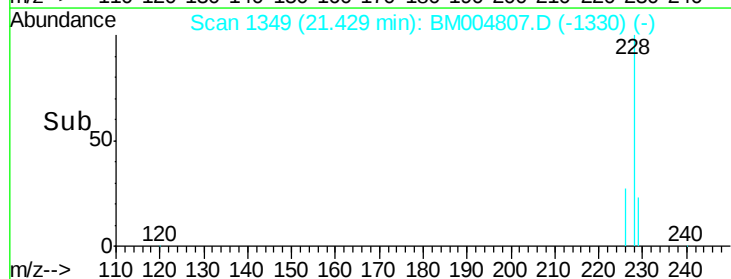
229 23.7 17.0 25.6

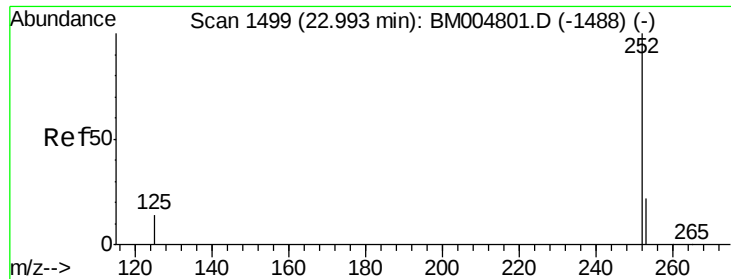


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.19 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BM004807.D

Acq: 28 Mar 2016 15:20

Instrument :

BNA_M

ClientSampleId :

A4T41

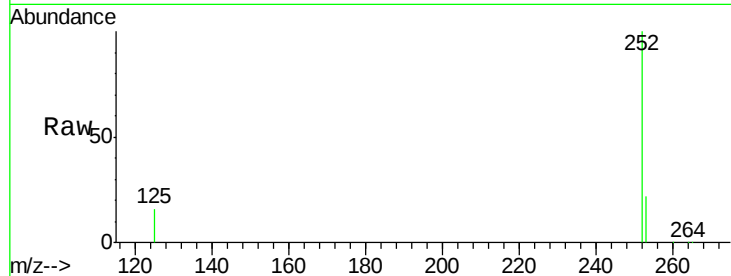
Tgt Ion:252 Resp: 197173

Ion Ratio Lower Upper

252 100

253 22.4 0.0 45.4

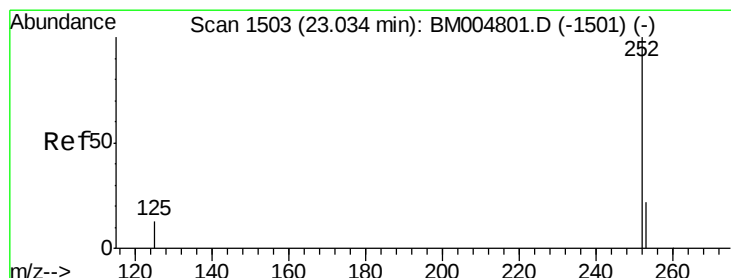
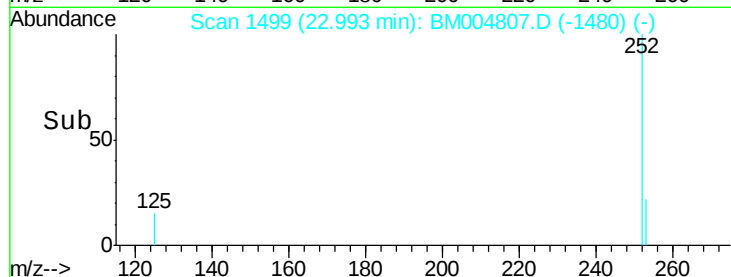
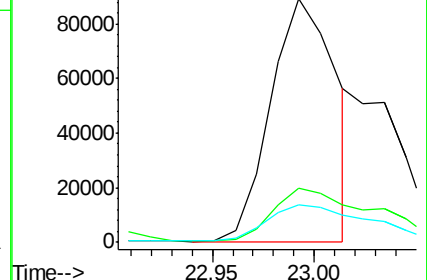
125 15.7 0.0 28.8



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: 0.29 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. -0.04 min

Lab File: BM004807.D

Acq: 28 Mar 2016 15:20

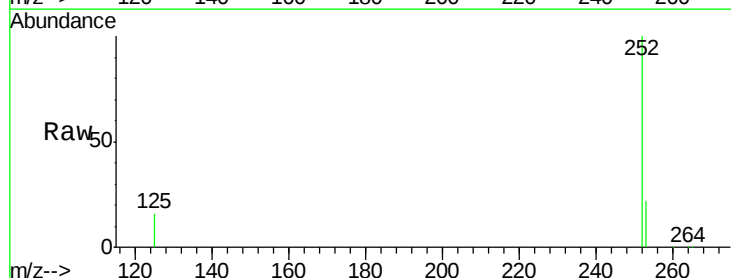
Tgt Ion:252 Resp: 285352

Ion Ratio Lower Upper

252 100

253 22.4 19.8 29.8

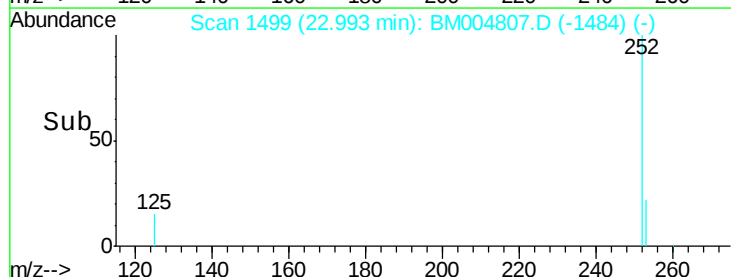
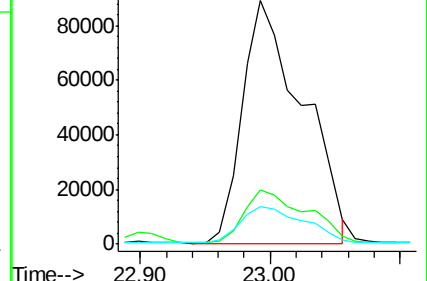
125 15.7 10.4 15.6#

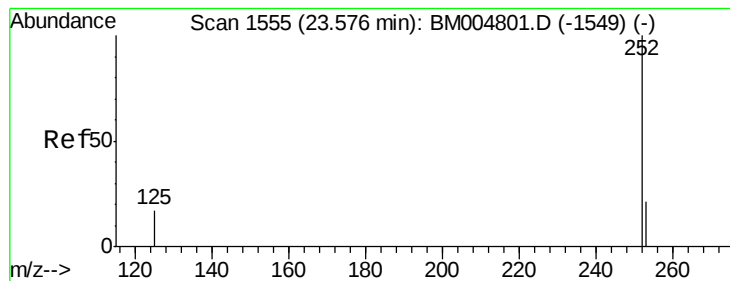


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.13 ng/ul

RT: 23.59 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BM004807.D

Acq: 28 Mar 2016 15:20

Instrument :

BNA_M

ClientSampleId :

A4T41

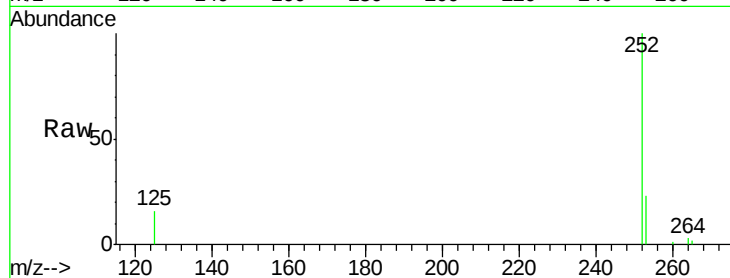
Tgt Ion:252 Resp: 124224

Ion Ratio Lower Upper

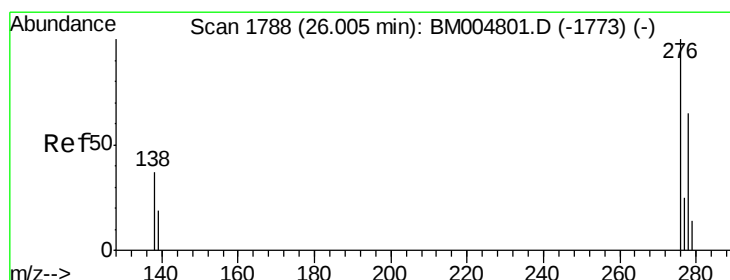
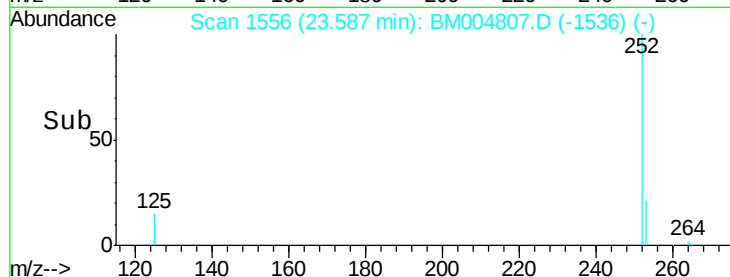
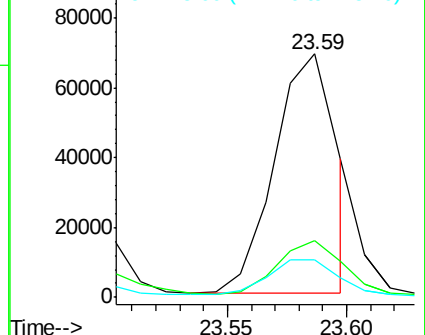
252 100

253 23.3 19.4 29.2

125 15.5 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: 0.01 ng/ul

RT: 25.76 min Scan# 1764

Delta R.T. -0.25 min

Lab File: BM004807.D

Acq: 28 Mar 2016 15:20

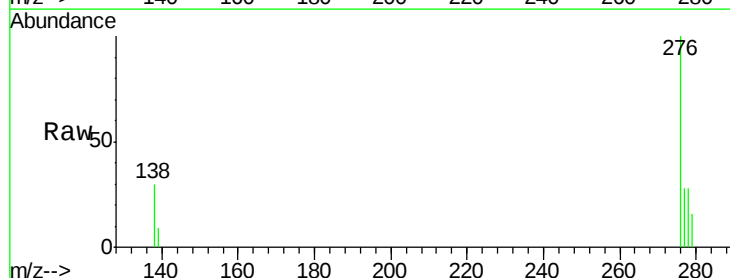
Tgt Ion:276 Resp: 9347

Ion Ratio Lower Upper

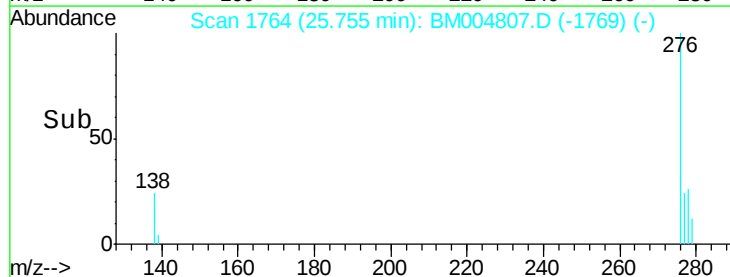
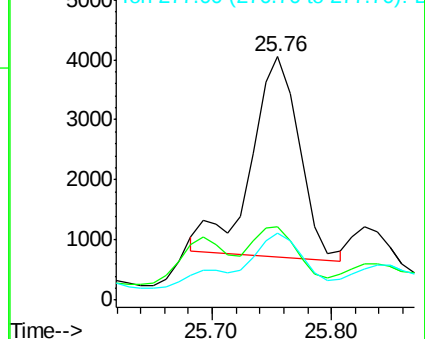
276 100

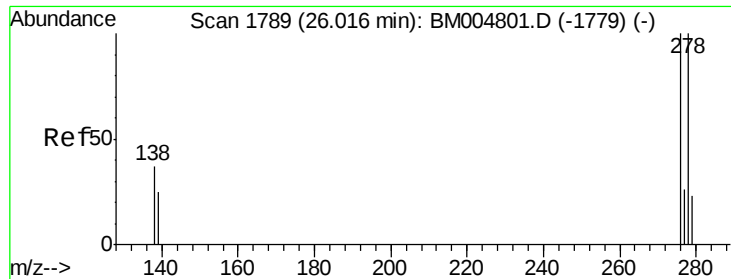
138 21.5 16.3 24.5

277 24.4 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: 0.01 ng/ul

RT: 25.91 min Scan# 1779

Delta R.T. -0.10 min

Lab File: BM004807.D

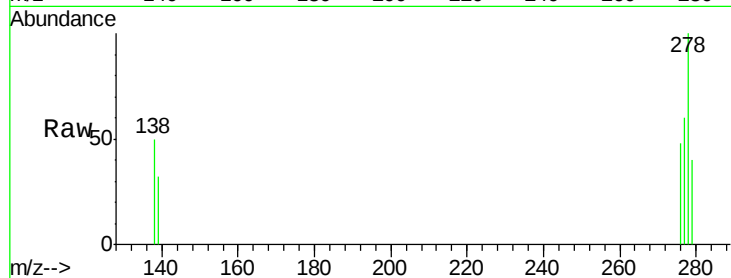
Acq: 28 Mar 2016 15:20

Instrument :

BNA_M

ClientSampleId :

A4T41



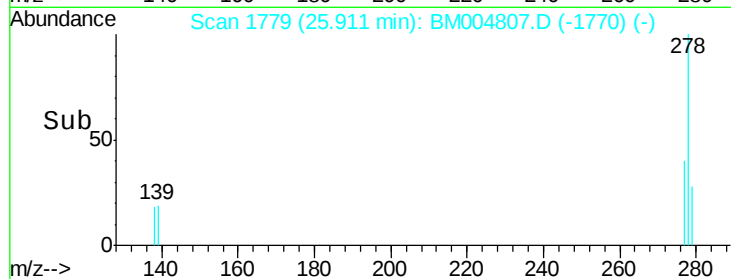
Tgt Ion: 278 Resp: 4322

Ion Ratio Lower Upper

278 100

139 32.4 16.4 24.6#

279 39.9 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

