

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032816\
 Data File : BM004806.D
 Acq On : 28 Mar 2016 14:43
 Operator : UM/SJ
 Sample : H1909-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T40

Quant Time: Mar 29 03:08:36 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	1029	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	4818	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2817	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	298421	5.00	ng/ul	0.09
18) Chrysene-d12	21.40	240	6466	5.00	ng/ul	0.00
22) Perylene-d12	23.55	264	298942	5.00	ng/ul	-0.14

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	3811	8.22	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	1659	0.25	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	4298	0.01	ng/ul	0.00

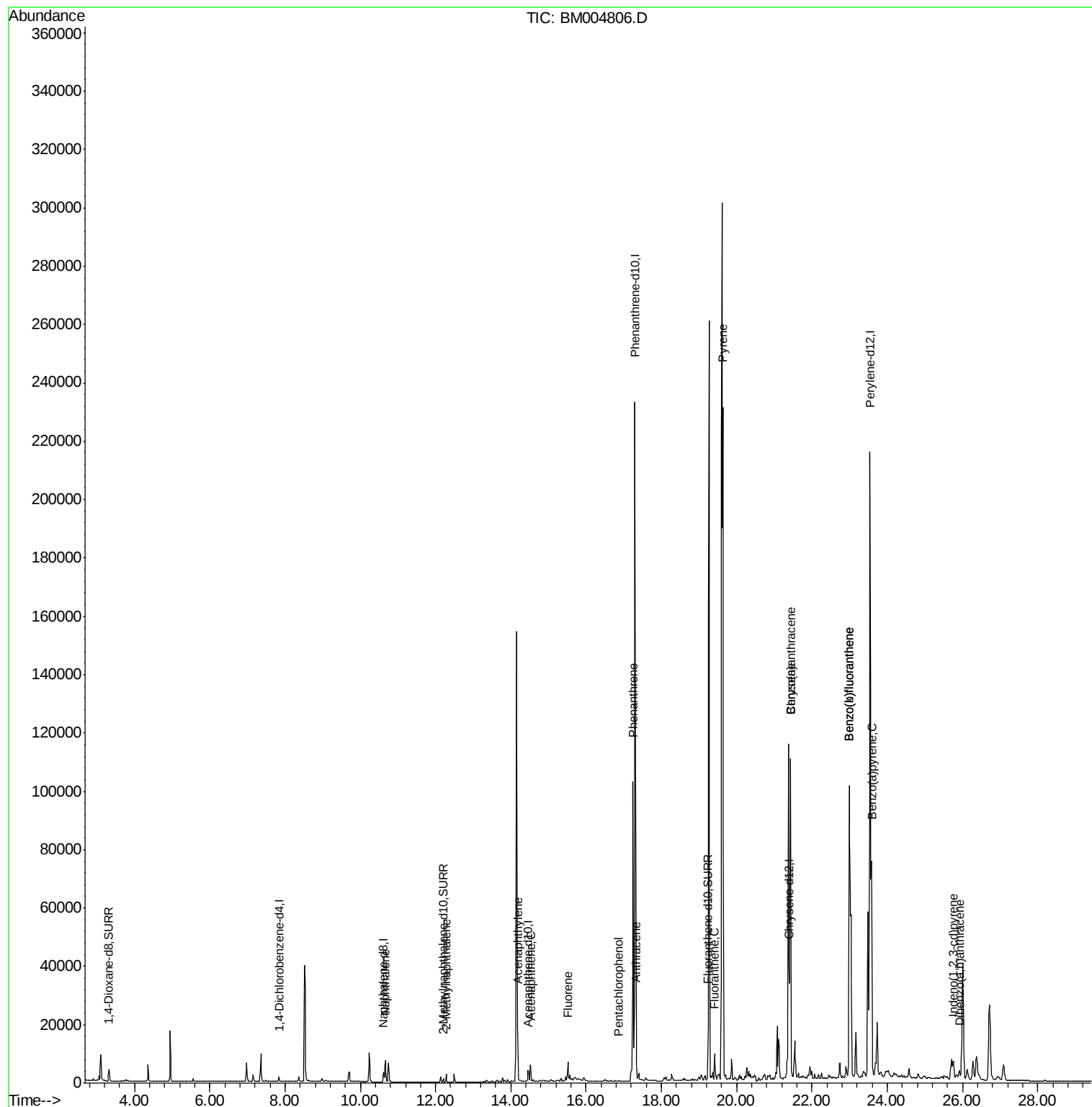
Target Compounds				Qvalue		
5) Naphthalene	10.67	128	10657	0.92	ng/ul	98
7) 2-Methylnaphthalene	12.28	142	2081	0.25	ng/ul	99
9) Acenaphthylene	14.18	152	15673	1.21	ng/ul	94
10) Acenaphthene	14.52	153	3438	0.38	ng/ul	90
11) Fluorene	15.51	166	5808	0.53	ng/ul	91
13) Pentachlorophenol	16.87	266	17	0.00	ng/ul	92
14) Phenanthrene	17.24	178	115248	0.14	ng/ul	96
15) Anthracene	17.33	178	17333	0.02	ng/ul	97
17) Fluoranthene	19.41	202	8632	0.01	ng/ul	80
19) Pyrene	19.63	202	209056	9.44	ng/ul	96
20) Benzo(a)anthracene	21.43	228	117390	5.91	ng/ul	94
21) Chrysene	21.43	228	117266	6.11	ng/ul	97
23) Benzo(b)fluoranthene	22.99	252	158452	0.16	ng/ul	99
24) Benzo(k)fluoranthene	22.99	252	227685	0.24	ng/ul#	95
25) Benzo(a)pyrene	23.59	252	93382	0.10	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	25.76	276	8194	0.01	ng/ul	98
27) Dibenzo(a,h)anthracene	25.91	278	3786	0.01	ng/ul#	73

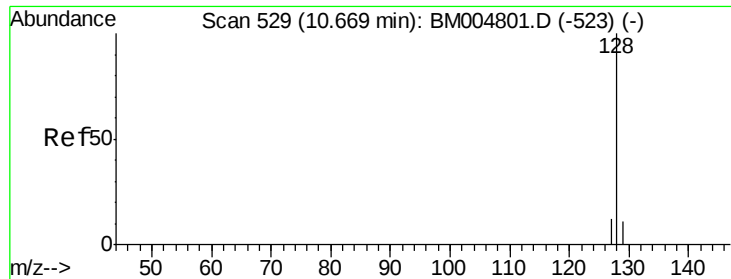
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.92 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004806.D

Acq: 28 Mar 2016 14:43

Instrument :

BNA_M

ClientSampleId :

A4T40

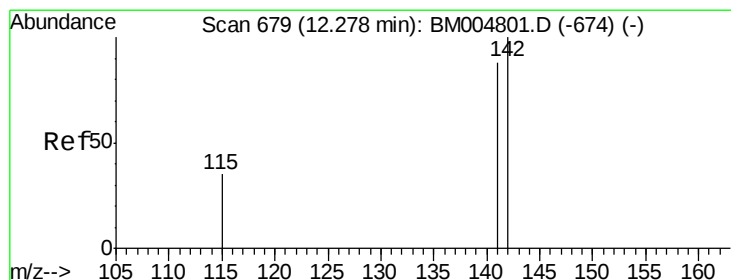
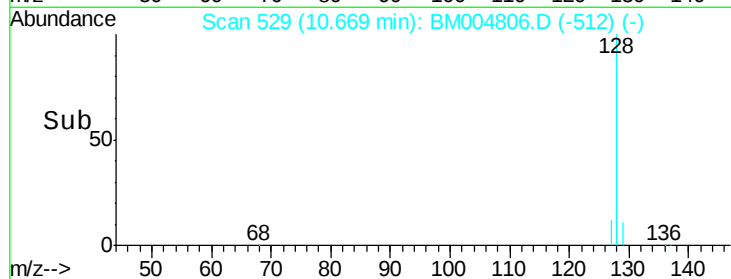
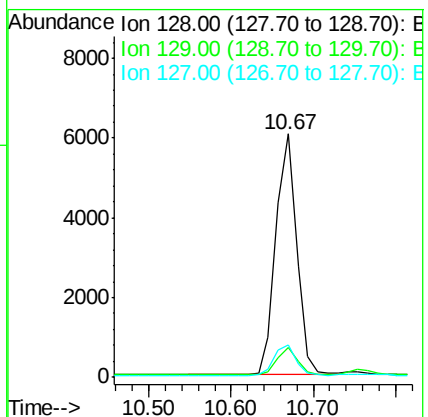
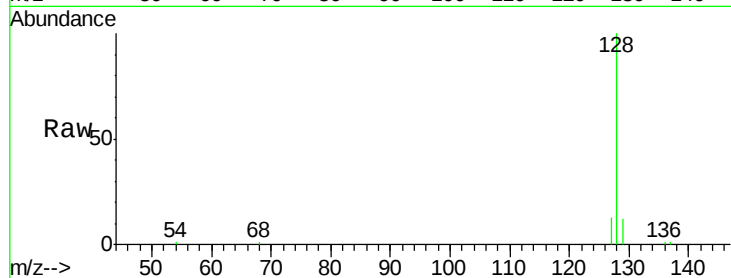
Tgt Ion:128 Resp: 10657

Ion Ratio Lower Upper

128 100

129 12.1 9.0 13.6

127 13.1 9.6 14.4



#7

2-Methylnaphthalene

Concen: 0.25 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004806.D

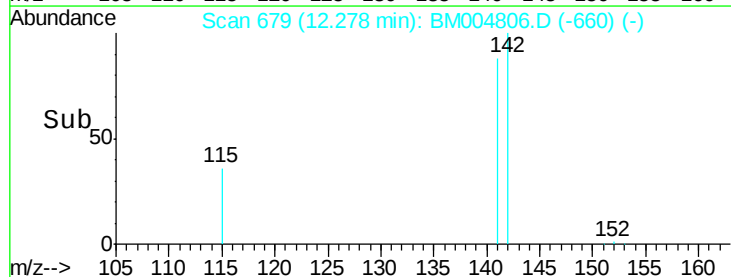
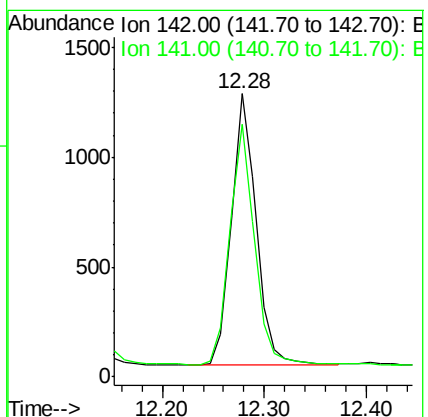
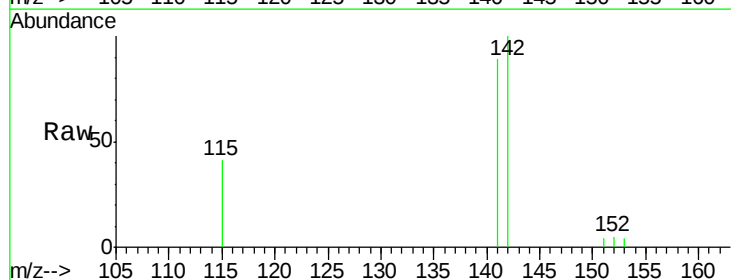
Acq: 28 Mar 2016 14:43

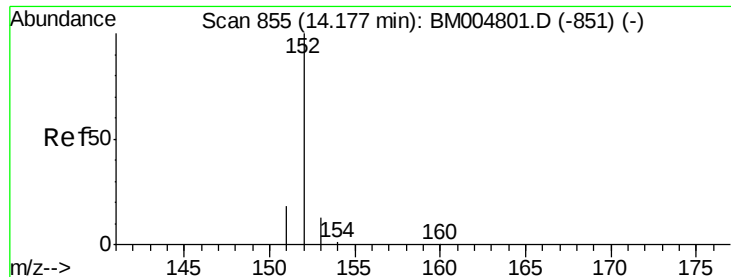
Tgt Ion:142 Resp: 2081

Ion Ratio Lower Upper

142 100

141 88.6 70.3 105.5





#9

Acenaphthylene

Concen: 1.21 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004806.D

Acq: 28 Mar 2016 14:43

Instrument :

BNA_M

ClientSampleId :

A4T40

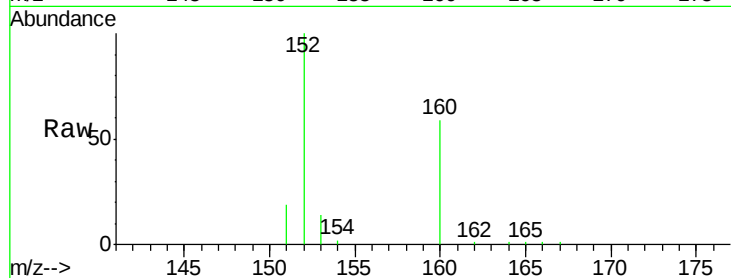
Tgt Ion:152 Resp: 15673

Ion Ratio Lower Upper

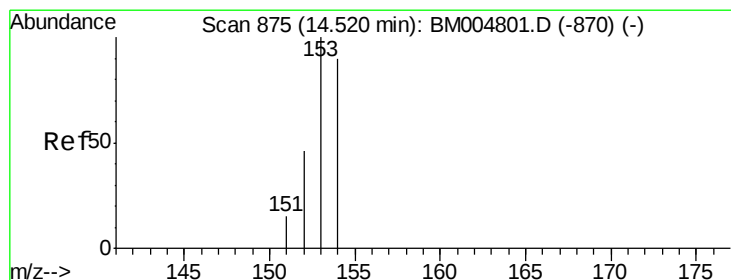
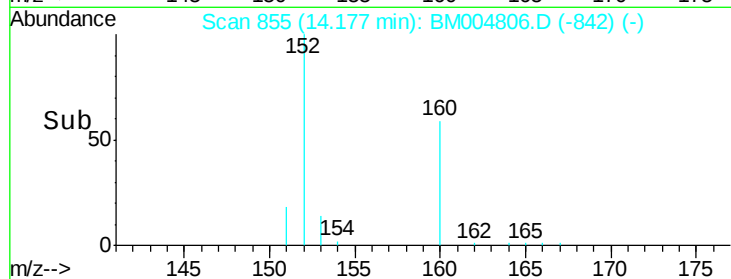
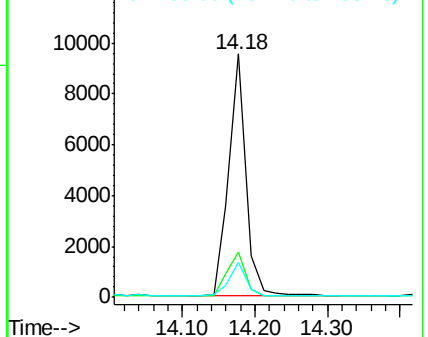
152 100

151 18.7 17.6 26.4

153 14.2 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: 0.38 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004806.D

Acq: 28 Mar 2016 14:43

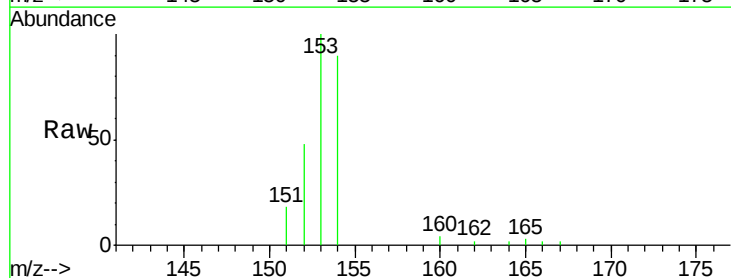
Tgt Ion:153 Resp: 3438

Ion Ratio Lower Upper

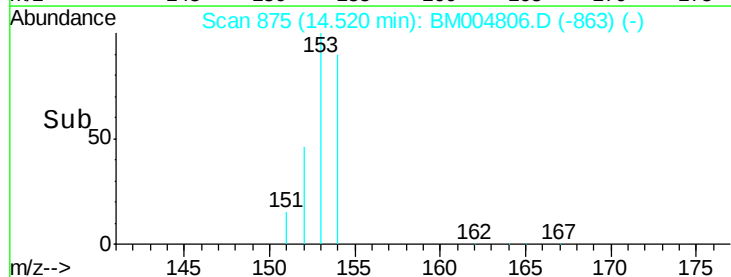
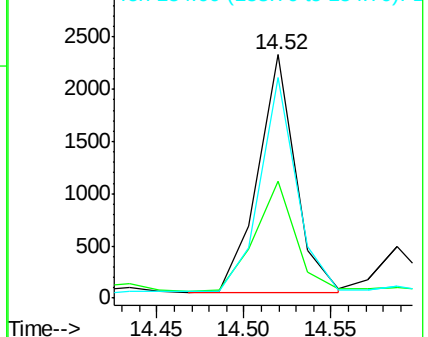
153 100

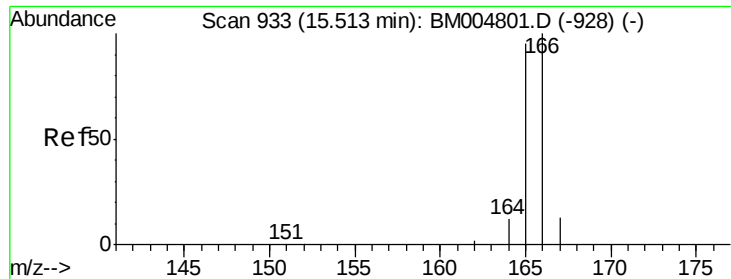
152 48.2 33.9 50.9

154 90.4 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

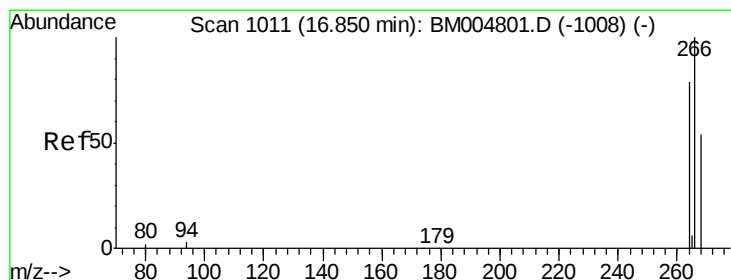
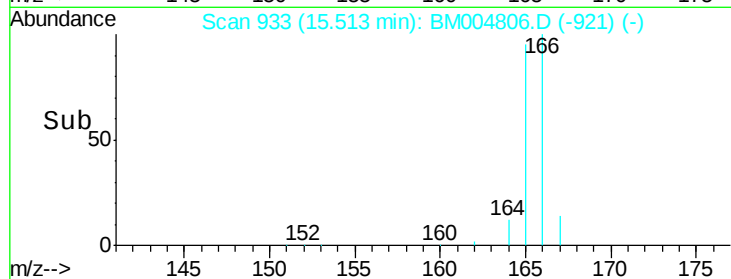
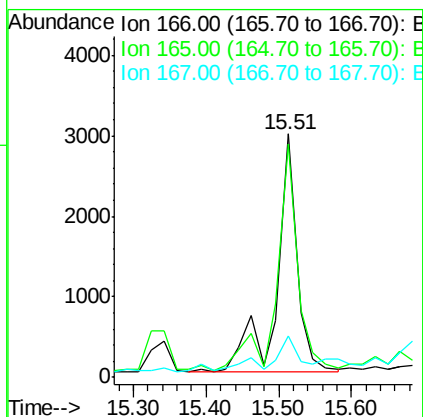
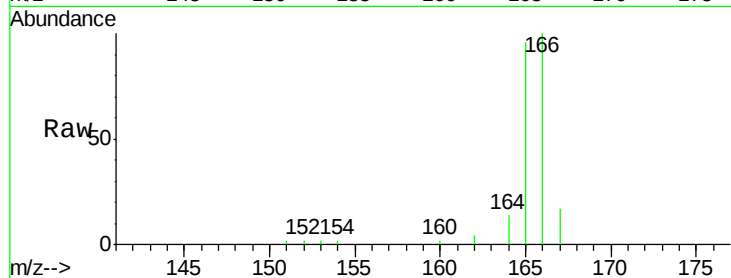




#11
Fluorene
 Concen: 0.53 ng/ul
 RT: 15.51 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: BM004806.D
 Acq: 28 Mar 2016 14:43

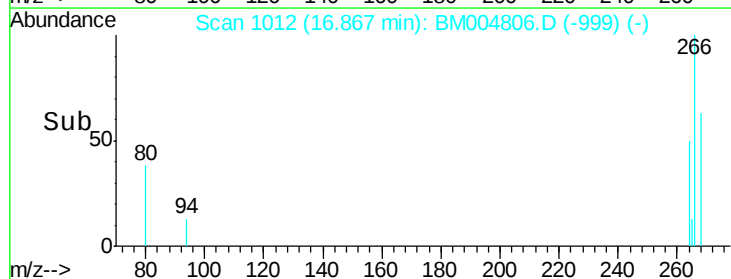
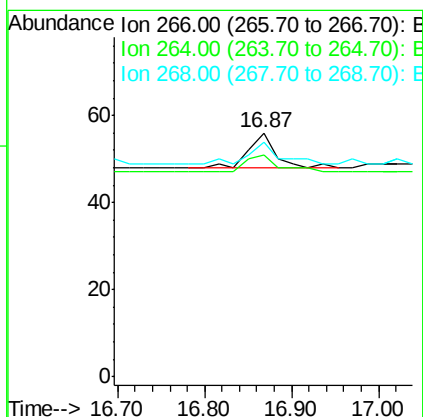
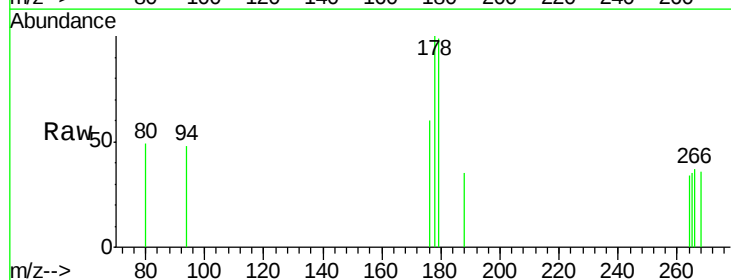
Instrument :
 BNA_M
 ClientSampleId :
 A4T40

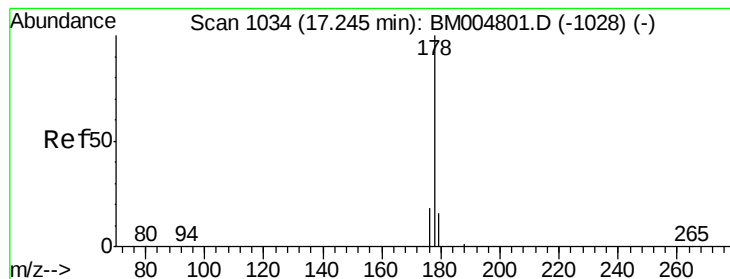
Tgt Ion:166 Resp: 5808
 Ion Ratio Lower Upper
 166 100
 165 96.1 69.6 104.4
 167 16.9 11.9 17.9



#13
Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. 0.02 min
 Lab File: BM004806.D
 Acq: 28 Mar 2016 14:43

Tgt Ion:266 Resp: 17
 Ion Ratio Lower Upper
 266 100
 264 58.8 51.8 77.8
 268 64.7 46.8 70.2





#14

Phenanthrene

Concen: 0.14 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM004806.D

Acq: 28 Mar 2016 14:43

Instrument :

BNA_M

ClientSampleId :

A4T40

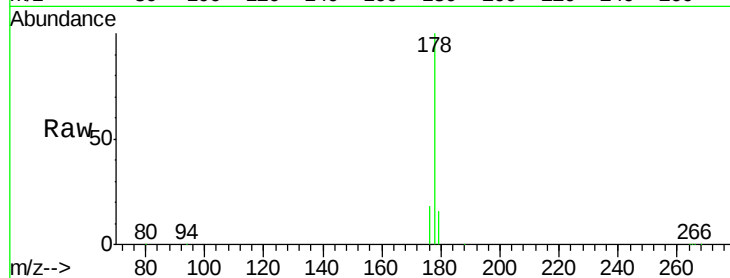
Tgt Ion:178 Resp: 115248

Ion Ratio Lower Upper

178 100

176 17.9 13.0 19.4

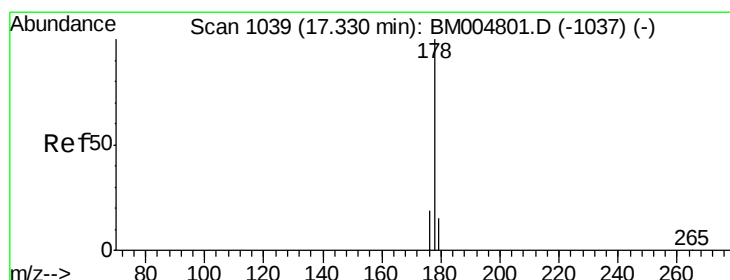
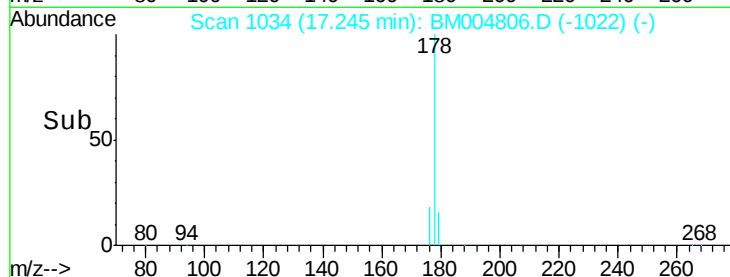
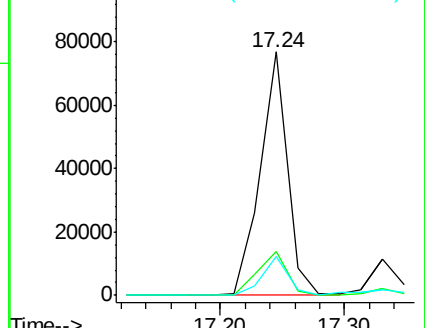
179 16.0 14.2 21.2



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: 0.02 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM004806.D

Acq: 28 Mar 2016 14:43

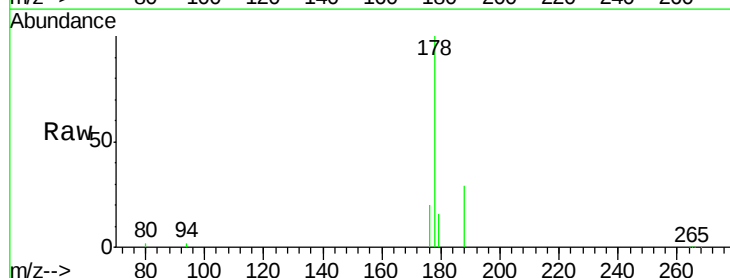
Tgt Ion:178 Resp: 17333

Ion Ratio Lower Upper

178 100

176 19.7 14.0 21.0

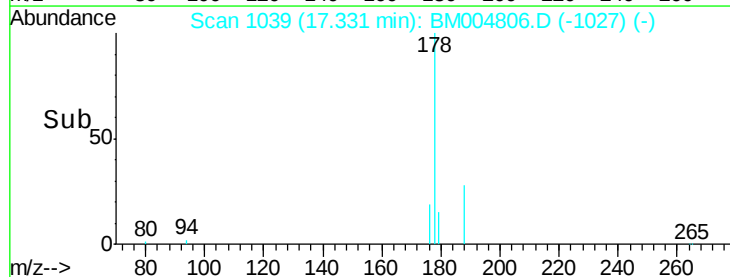
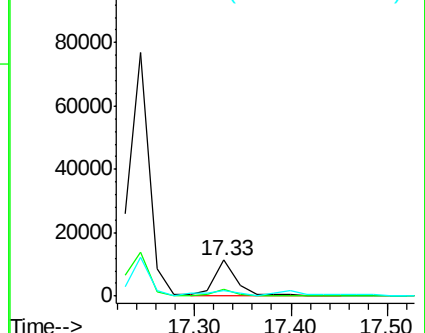
179 15.6 12.9 19.3

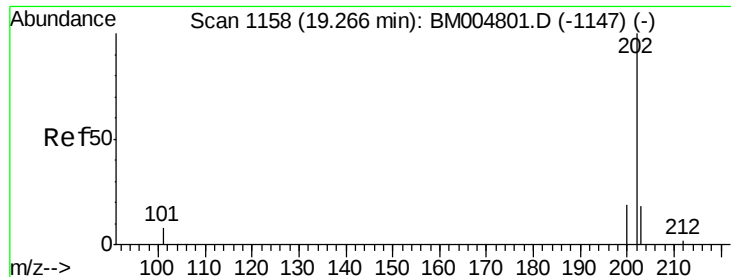


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

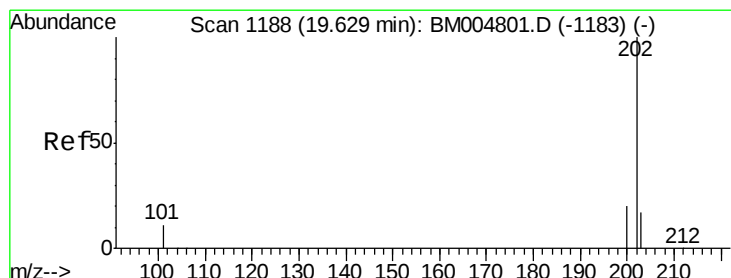
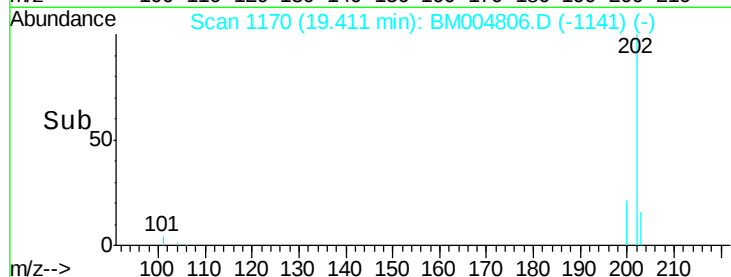
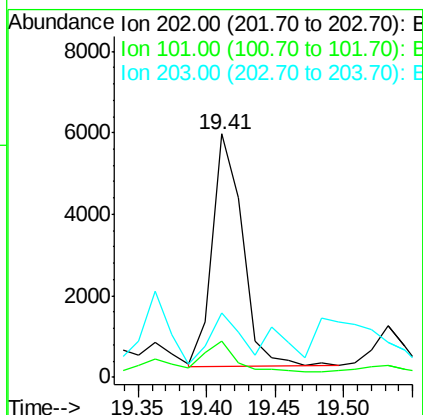
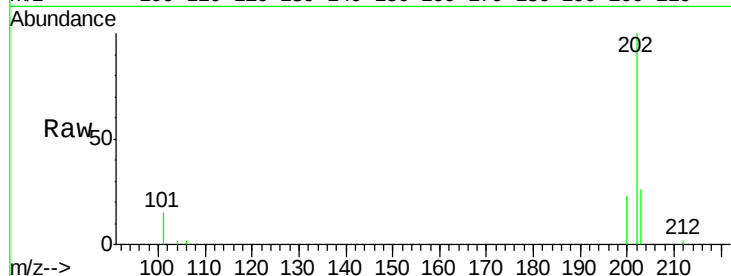




#17
Fluoranthene
Concen: 0.01 ng/ul
RT: 19.41 min Scan# 1170
Delta R.T. 0.15 min
Lab File: BM004806.D
Acq: 28 Mar 2016 14:43

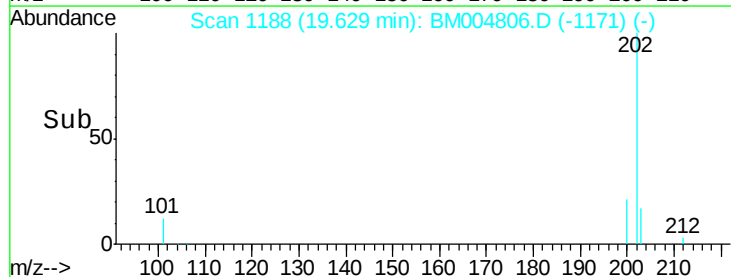
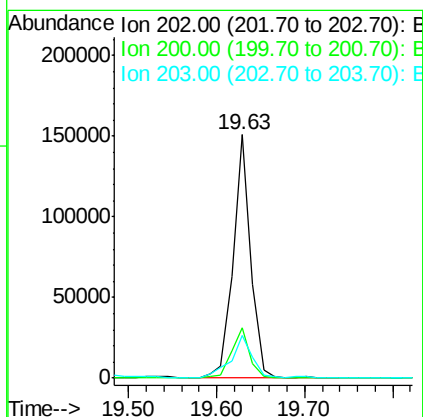
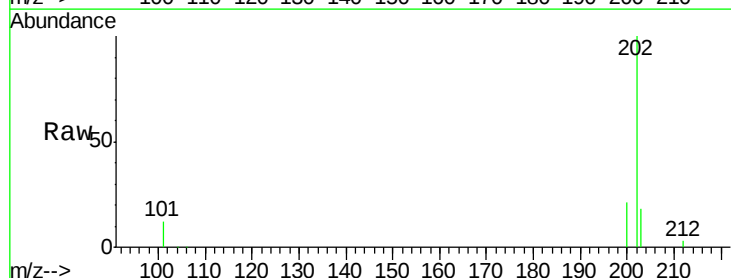
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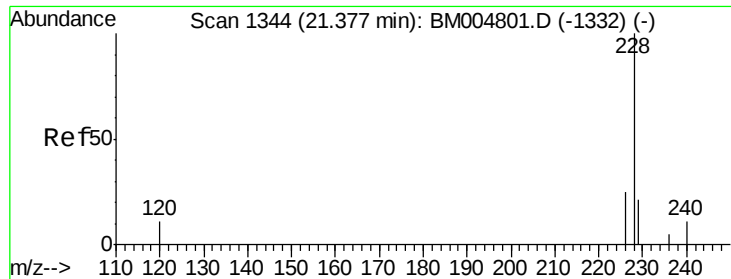
Tgt Ion:202 Resp: 8632
Ion Ratio Lower Upper
202 100
101 15.0 0.0 29.6
203 26.4 0.0 36.3



#19
Pyrene
Concen: 9.44 ng/ul
RT: 19.63 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BM004806.D
Acq: 28 Mar 2016 14:43

Tgt Ion:202 Resp: 209056
Ion Ratio Lower Upper
202 100
200 20.6 17.8 26.8
203 17.6 12.8 19.2





#20

Benzo(a)anthracene

Concen: 5.91 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.05 min

Lab File: BM004806.D

Acq: 28 Mar 2016 14:43

Instrument :

BNA_M

ClientSampleId :

A4T40

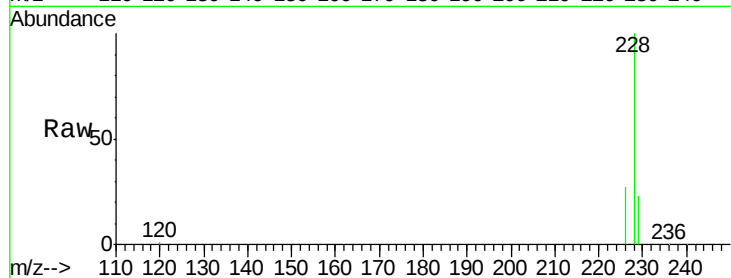
Tgt Ion:228 Resp: 117390

Ion Ratio Lower Upper

228 100

226 27.4 18.8 28.2

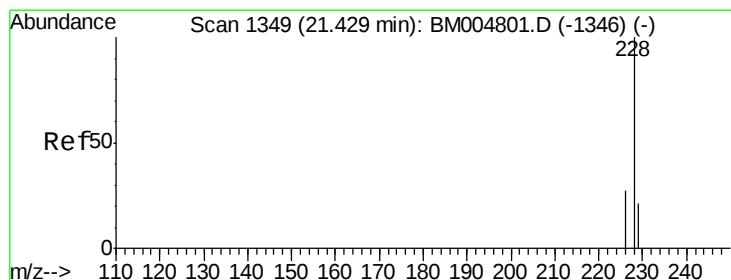
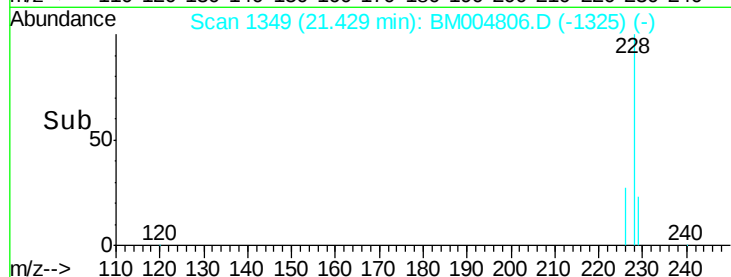
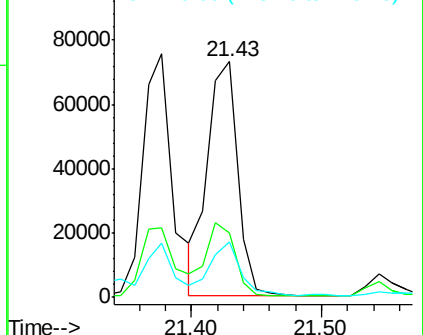
229 23.5 17.1 25.7



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: 6.11 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BM004806.D

Acq: 28 Mar 2016 14:43

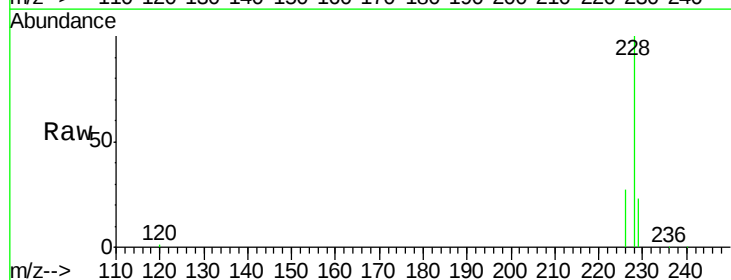
Tgt Ion:228 Resp: 117266

Ion Ratio Lower Upper

228 100

226 27.4 21.2 31.8

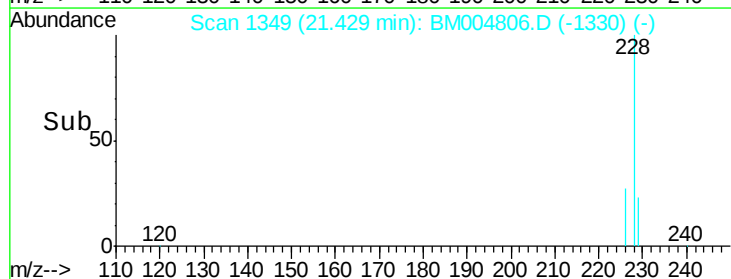
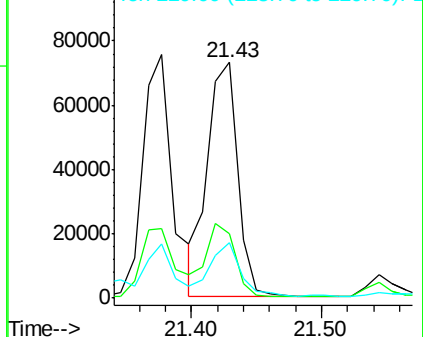
229 23.5 17.0 25.6

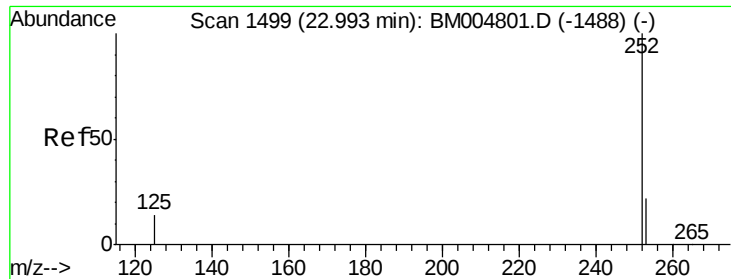


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.16 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BM004806.D

Acq: 28 Mar 2016 14:43

Instrument :

BNA_M

ClientSampleId :

A4T40

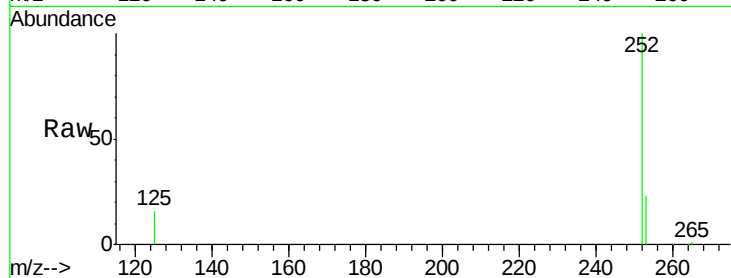
Tgt Ion:252 Resp: 158452

Ion Ratio Lower Upper

252 100

253 22.6 0.0 45.4

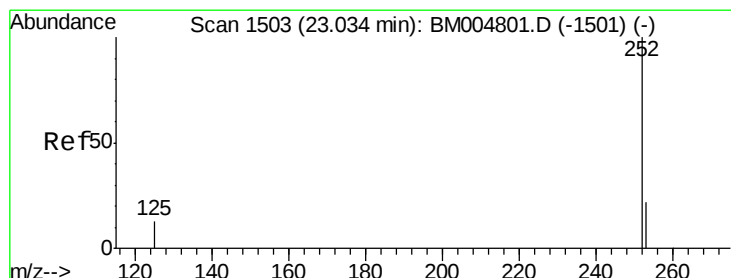
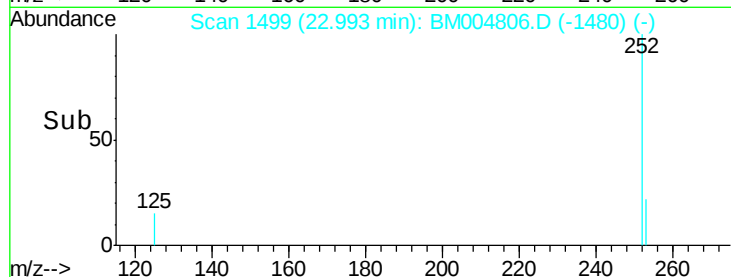
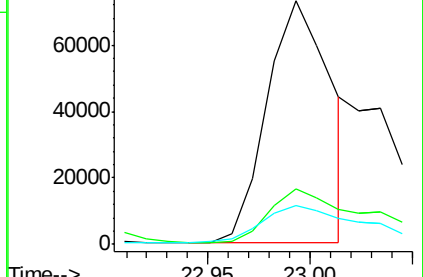
125 15.7 0.0 28.8



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: 0.24 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. -0.04 min

Lab File: BM004806.D

Acq: 28 Mar 2016 14:43

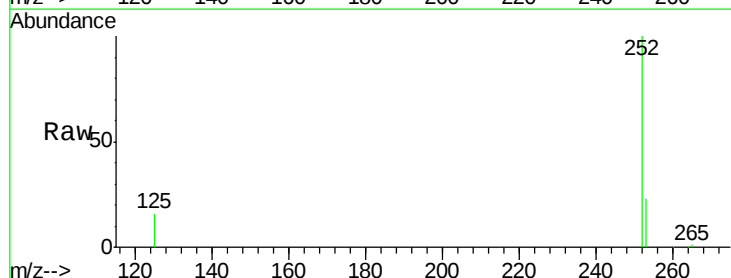
Tgt Ion:252 Resp: 227685

Ion Ratio Lower Upper

252 100

253 22.6 19.8 29.8

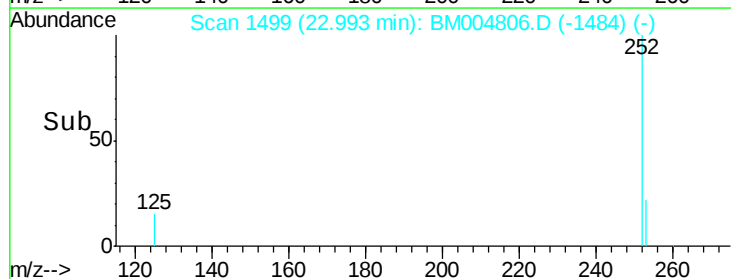
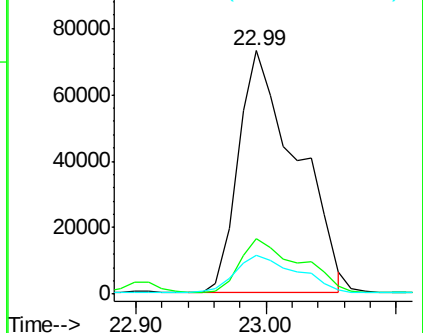
125 15.7 10.4 15.6#

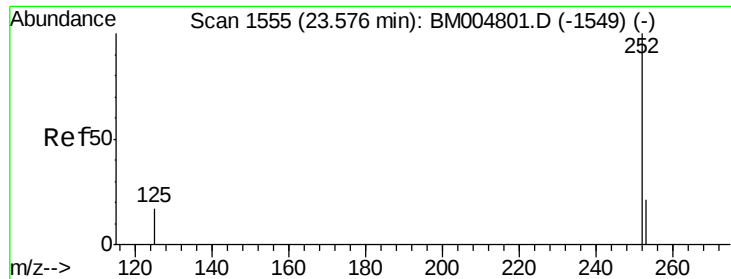


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.10 ng/ul

RT: 23.59 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BM004806.D

Acq: 28 Mar 2016 14:43

Instrument :

BNA_M

ClientSampleId :

A4T40

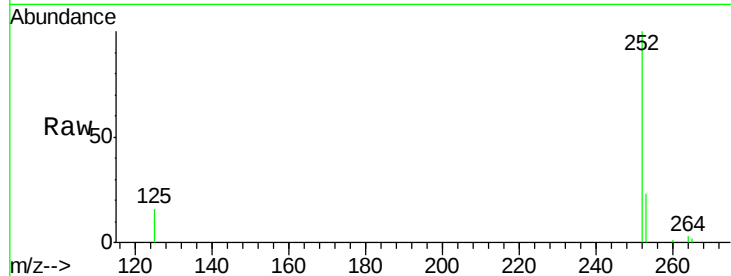
Tgt Ion:252 Resp: 93382

Ion Ratio Lower Upper

252 100

253 23.5 19.4 29.2

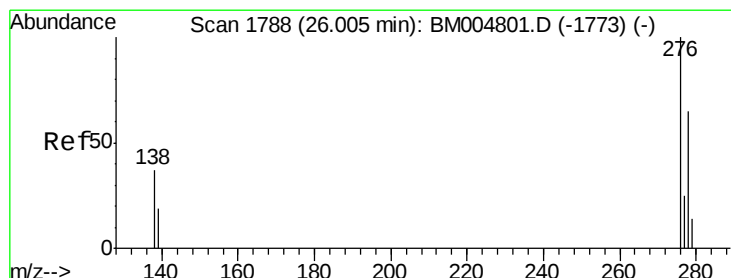
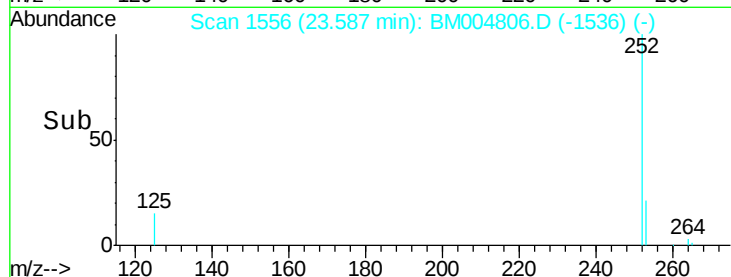
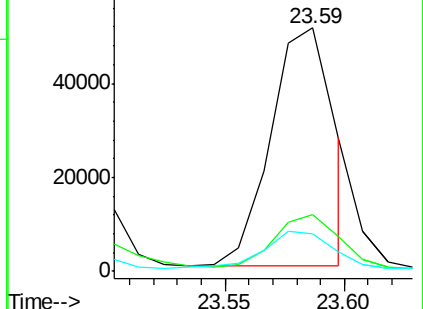
125 15.7 12.7 19.1



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: BM004806.D

Acq: 28 Mar 2016 14:43

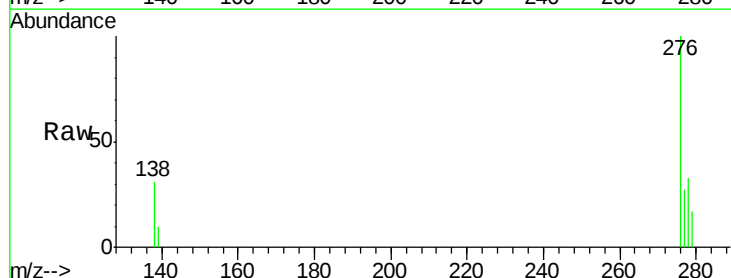
Tgt Ion:276 Resp: 8194

Ion Ratio Lower Upper

276 100

138 20.5 16.3 24.5

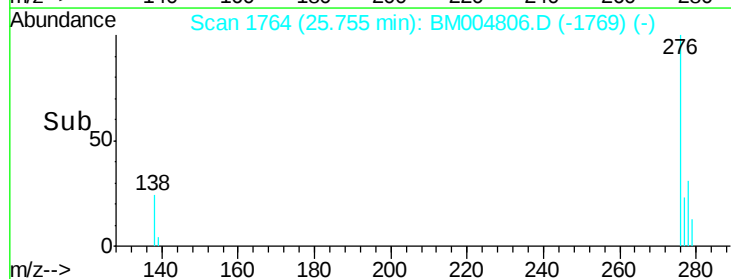
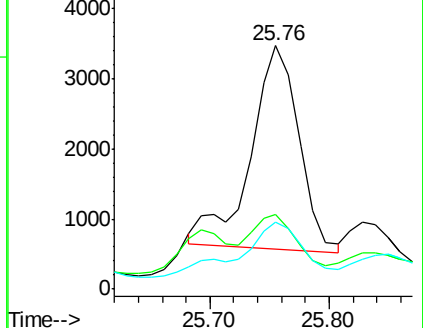
277 23.2 19.8 29.8

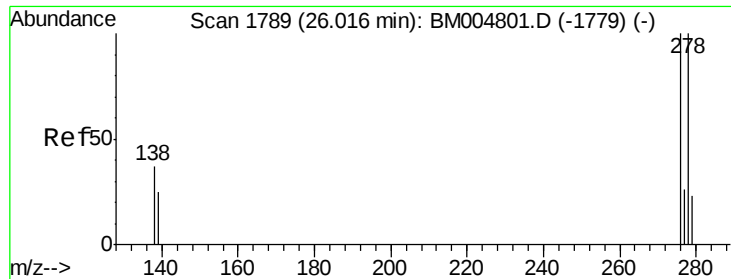


Abundance Ion 276.00 (275.70 to 276.70): E

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: BM004806.D

Acq: 28 Mar 2016 14:43

Instrument :

BNA_M

ClientSampleId :

A4T40

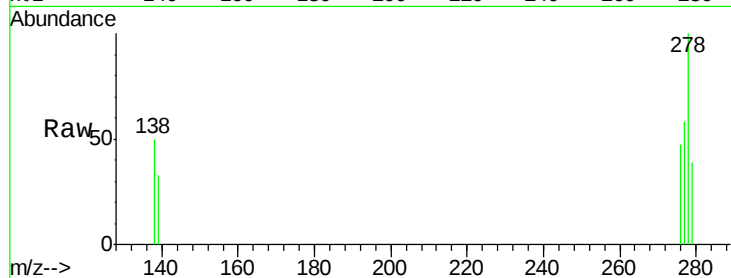
Tgt Ion: 278 Resp: 3786

Ion Ratio Lower Upper

278 100

139 32.8 16.4 24.6#

279 39.2 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

