

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032816\
 Data File : BM004803.D
 Acq On : 28 Mar 2016 12:54
 Operator : UM/SJ
 Sample : H1909-13DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T47DL

Quant Time: Mar 29 03:08:15 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	1144	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	4937	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2771	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	6069	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	5938	5.00	ng/ul	0.00
22) Perylene-d12	23.68	264	4910	5.00	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	950	1.84	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	346	0.05	ng/ul	0.01
16) Fluoranthene-d10	19.24	212	818	0.06	ng/ul	0.00

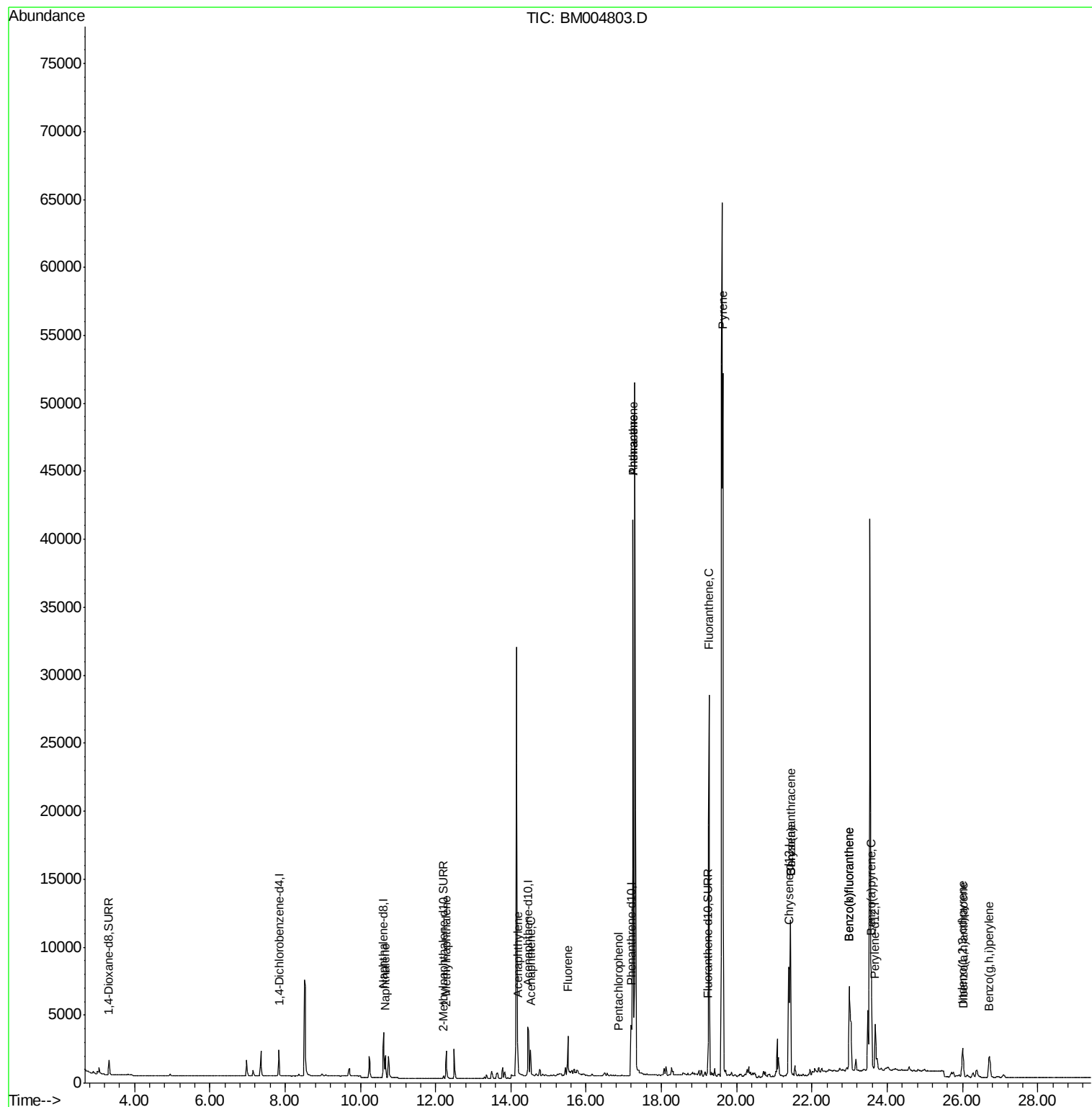
Target Compounds				Qvalue		
5) Naphthalene	10.67	128	2470	0.21	ng/ul#	91
7) 2-Methylnaphthalene	12.28	142	1859	0.22	ng/ul	100
9) Acenaphthylene	14.18	152	1324	0.10	ng/ul#	90
10) Acenaphthene	14.52	153	1205	0.13	ng/ul#	88
11) Fluorene	15.51	166	2515	0.23	ng/ul#	90
13) Pentachlorophenol	16.87	266	9	0.01	ng/ul#	1
14) Phenanthrene	17.24	178	46705	2.74	ng/ul	96
15) Anthracene	17.24	178	46691	2.90	ng/ul	99
17) Fluoranthene	19.27	202	27675	1.43	ng/ul	96
19) Pyrene	19.63	202	47670	2.34	ng/ul	95
20) Benzo(a)anthracene	21.43	228	13731	0.75	ng/ul	94
21) Chrysene	21.43	228	13727	0.78	ng/ul	97
23) Benzo(b)fluoranthene	22.99	252	15104	0.91	ng/ul	93
24) Benzo(k)fluoranthene	22.99	252	15104	0.99	ng/ul#	95
25) Benzo(a)pyrene	23.58	252	8105	0.54	ng/ul#	96
26) Indeno(1,2,3-cd)pyrene	26.01	276	3420	0.24	ng/ul#	87
27) Dibenzo(a,h)anthracene	26.02	278	807	0.07	ng/ul#	51
28) Benzo(g,h,i)perylene	26.71	276	3264	0.28	ng/ul#	86

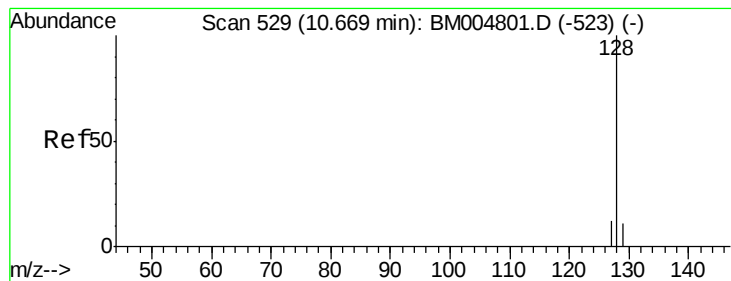
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.21 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004803.D

Acq: 28 Mar 2016 12:54

Instrument :

BNA_M

ClientSampleId :

A4T47DL

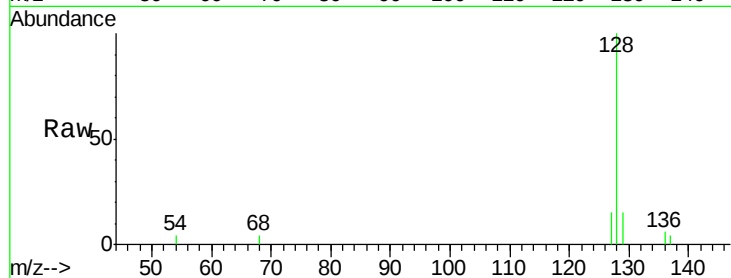
Tgt Ion:128 Resp: 2470

Ion Ratio Lower Upper

128 100

129 14.9 9.0 13.6#

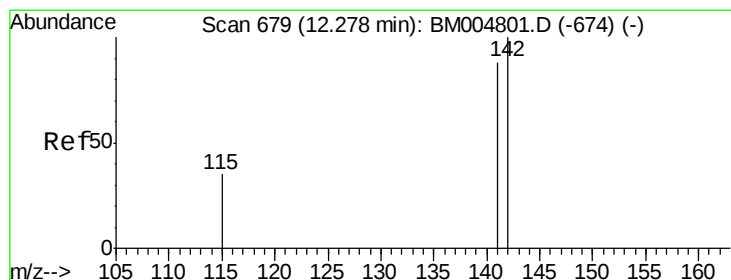
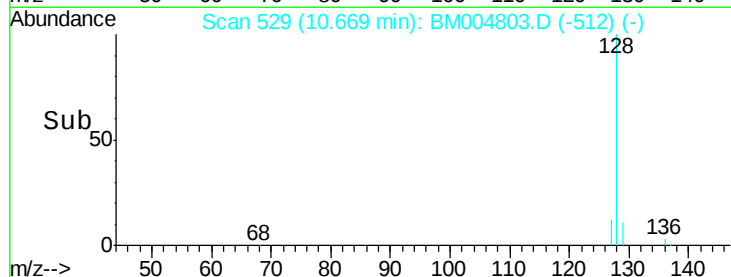
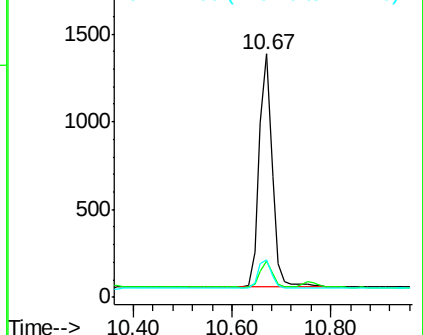
127 15.3 9.6 14.4#



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: 0.22 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004803.D

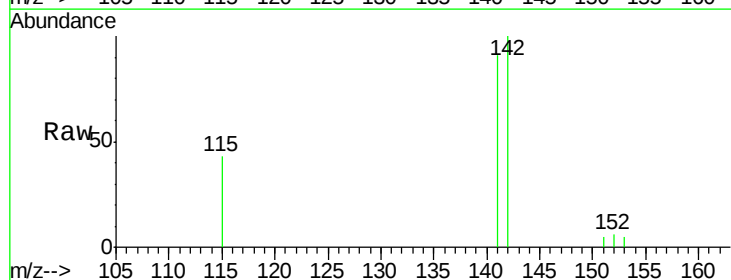
Acq: 28 Mar 2016 12:54

Tgt Ion:142 Resp: 1859

Ion Ratio Lower Upper

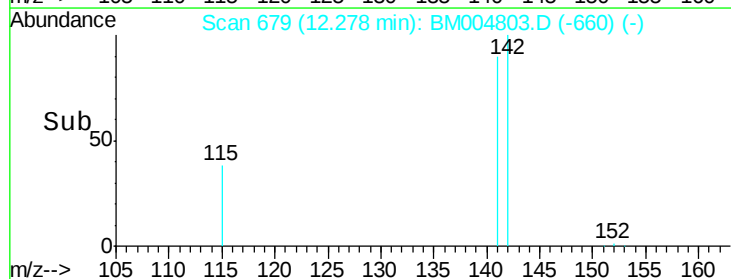
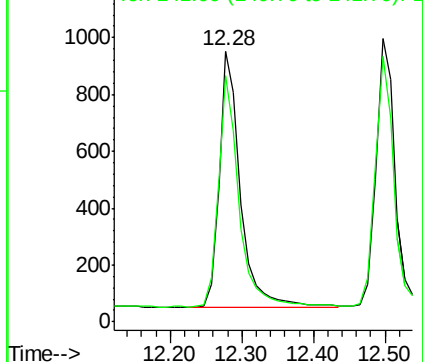
142 100

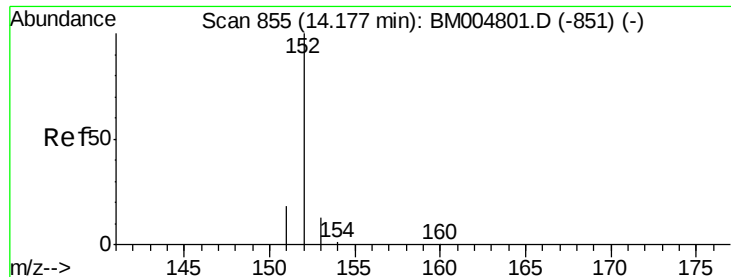
141 88.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.10 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004803.D

Acq: 28 Mar 2016 12:54

Instrument :

BNA_M

ClientSampleId :

A4T47DL

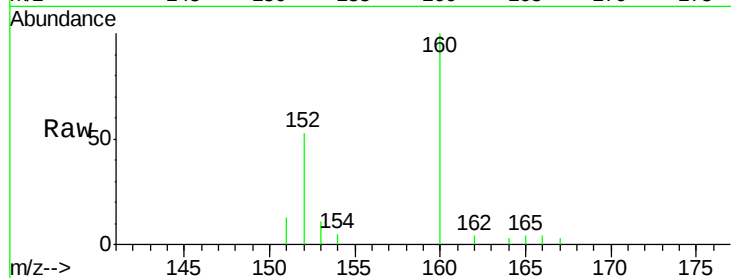
Tgt Ion:152 Resp: 1324

Ion Ratio Lower Upper

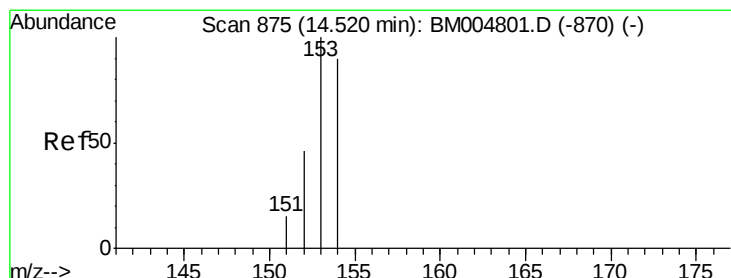
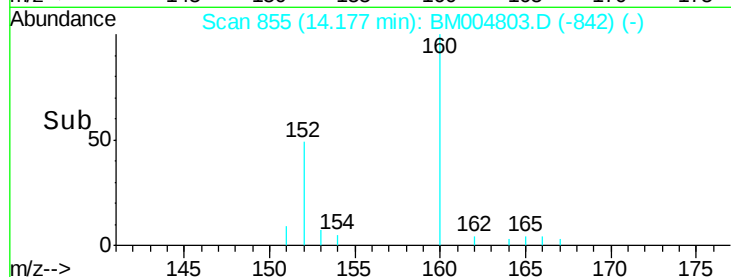
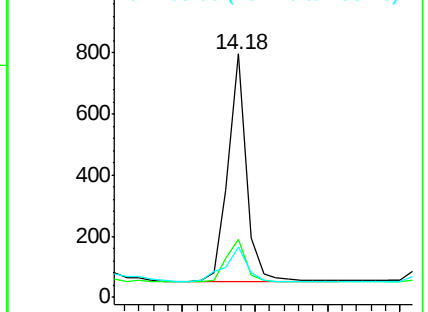
152 100

151 23.8 17.6 26.4

153 20.7 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: 0.13 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004803.D

Acq: 28 Mar 2016 12:54

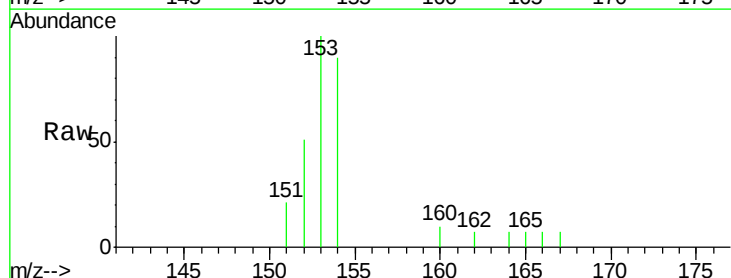
Tgt Ion:153 Resp: 1205

Ion Ratio Lower Upper

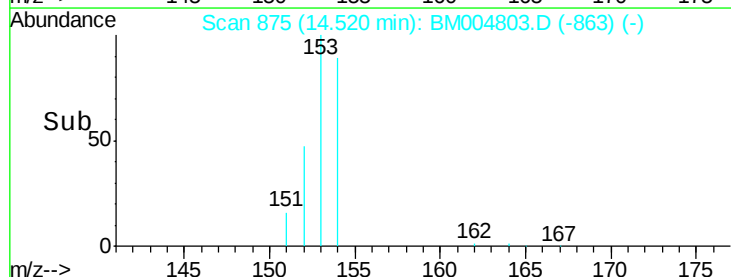
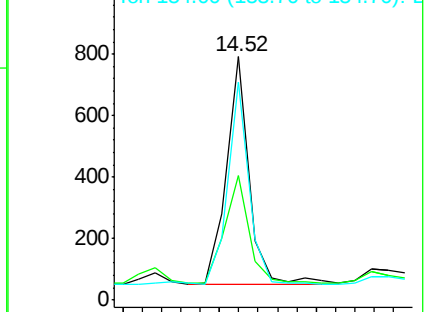
153 100

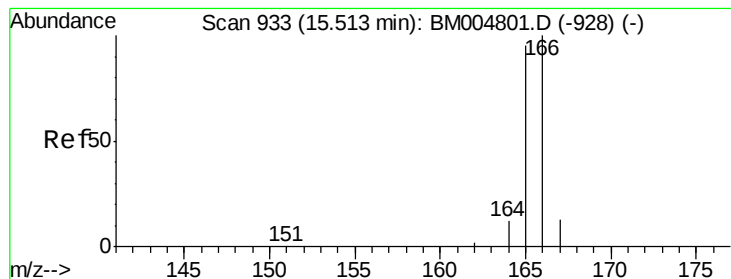
152 51.0 33.9 50.9#

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: 0.23 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.00 min

Lab File: BM004803.D

Acq: 28 Mar 2016 12:54

Instrument :

BNA_M

ClientSampleId :

A4T47DL

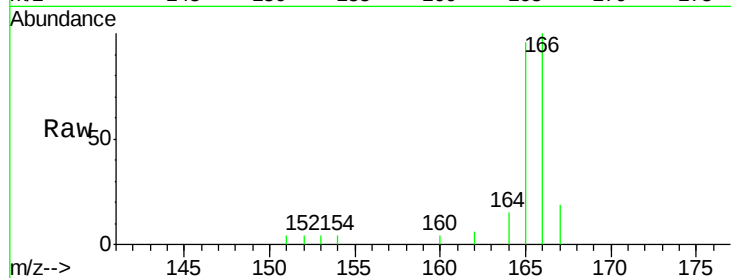
Tgt Ion:166 Resp: 2515

Ion Ratio Lower Upper

166 100

165 96.4 69.6 104.4

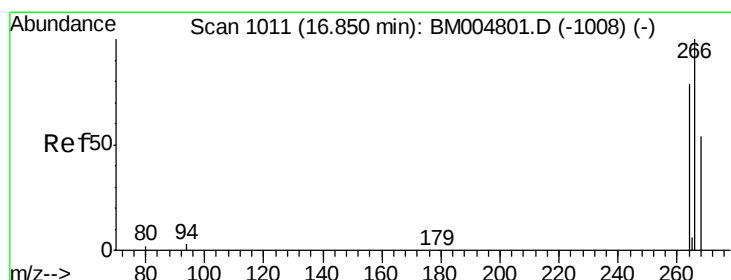
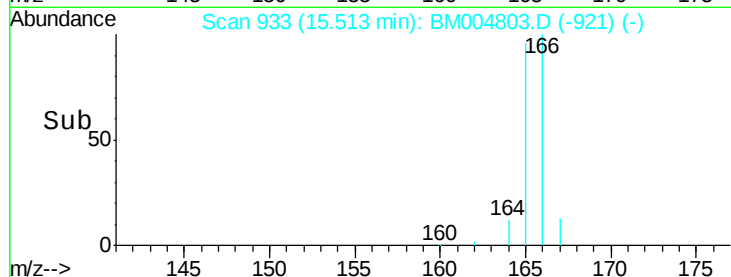
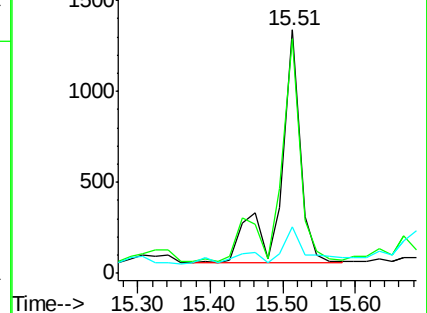
167 19.2 11.9 17.9#



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: 0.01 ng/ul

RT: 16.87 min Scan# 1012

Delta R.T. 0.02 min

Lab File: BM004803.D

Acq: 28 Mar 2016 12:54

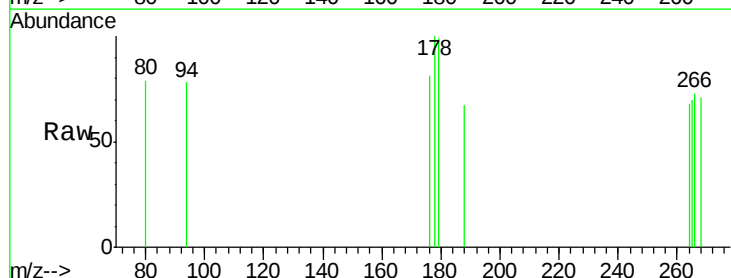
Tgt Ion:266 Resp: 9

Ion Ratio Lower Upper

266 100

264 211.1 51.8 77.8#

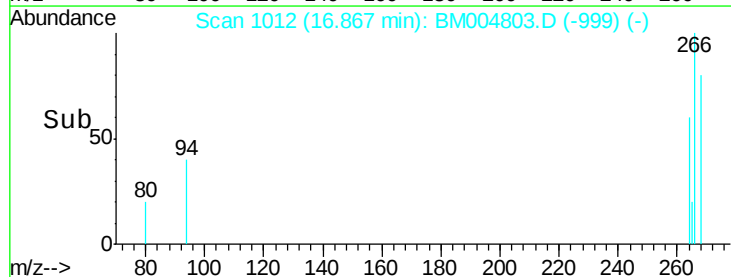
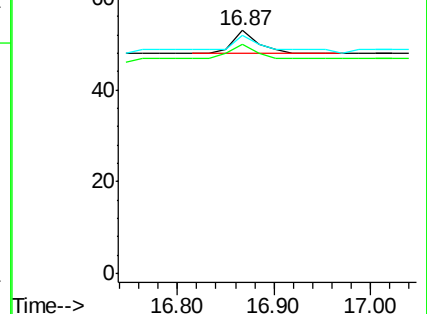
268 122.2 46.8 70.2#

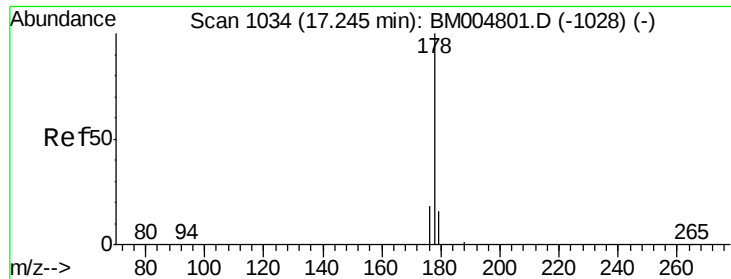


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 2.74 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM004803.D

Acq: 28 Mar 2016 12:54

Instrument :

BNA_M

ClientSampleId :

A4T47DL

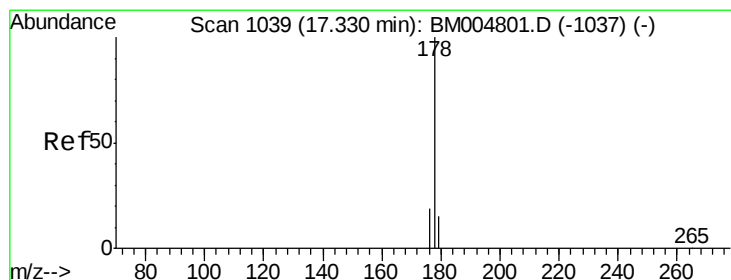
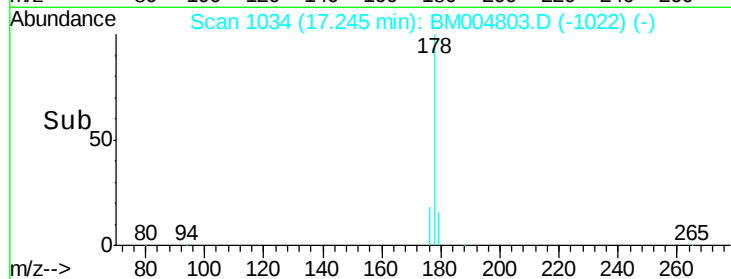
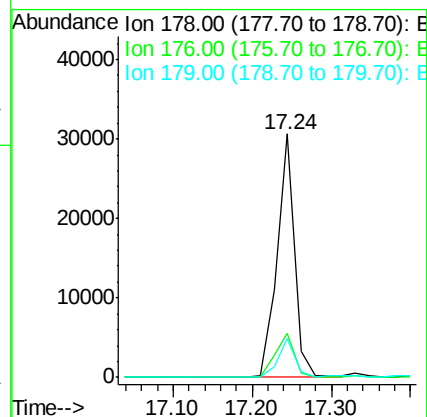
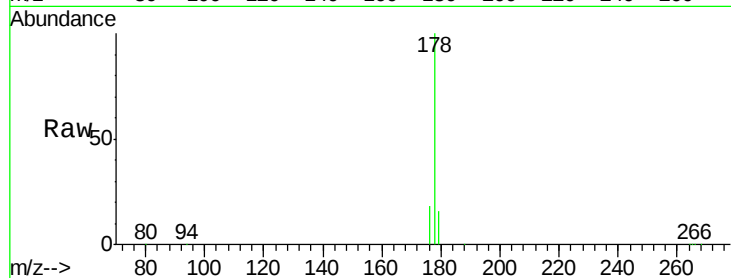
Tgt Ion:178 Resp: 46705

Ion Ratio Lower Upper

178 100

176 17.8 13.0 19.4

179 16.0 14.2 21.2



#15

Anthracene

Concen: 2.90 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.09 min

Lab File: BM004803.D

Acq: 28 Mar 2016 12:54

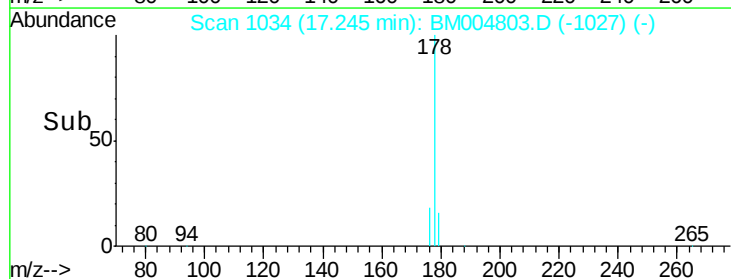
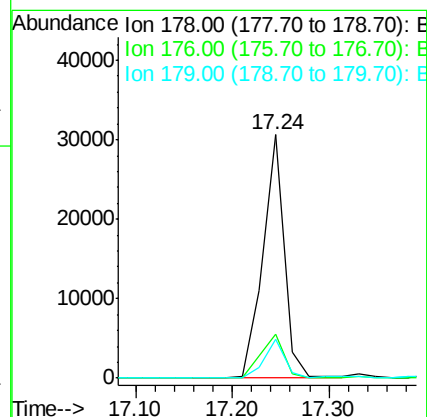
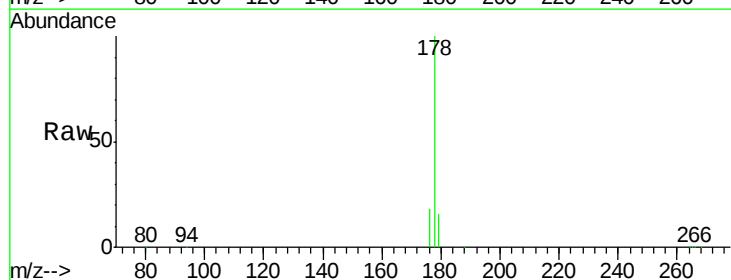
Tgt Ion:178 Resp: 46691

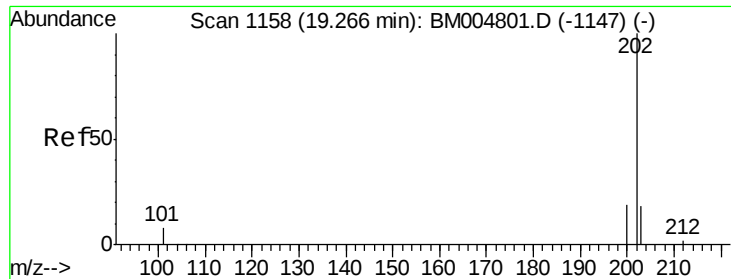
Ion Ratio Lower Upper

178 100

176 17.8 14.0 21.0

179 16.0 12.9 19.3





#17

Fluoranthene

Concen: 1.43 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BM004803.D

Acq: 28 Mar 2016 12:54

Instrument :

BNA_M

ClientSampleId :

A4T47DL

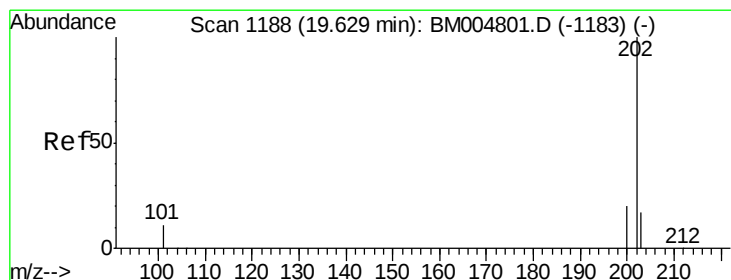
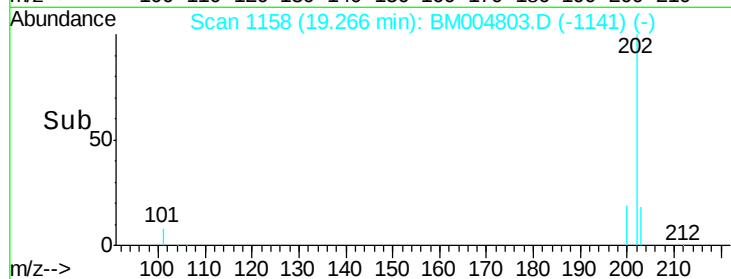
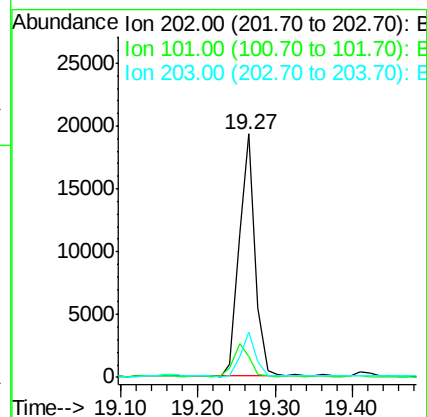
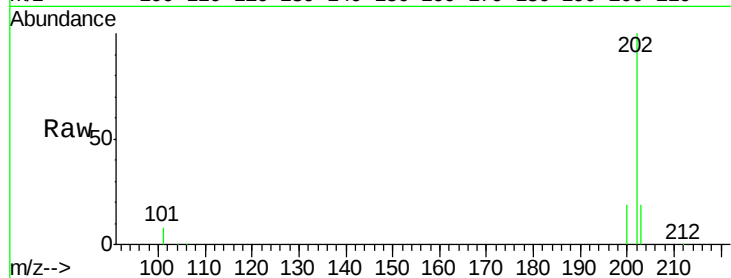
Tgt Ion:202 Resp: 27675

Ion Ratio Lower Upper

202 100

101 8.5 0.0 29.6

203 18.5 0.0 36.3



#19

Pyrene

Concen: 2.34 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BM004803.D

Acq: 28 Mar 2016 12:54

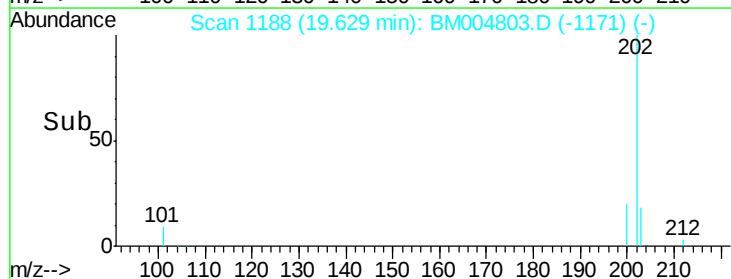
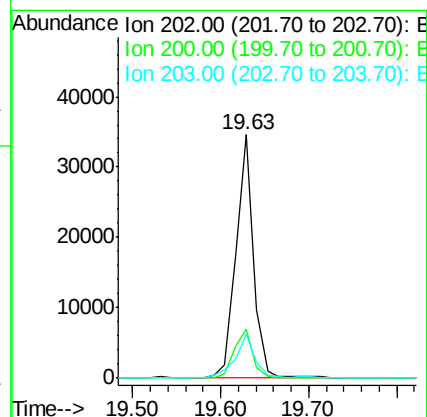
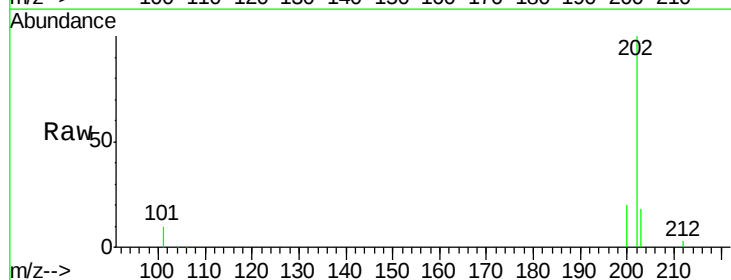
Tgt Ion:202 Resp: 47670

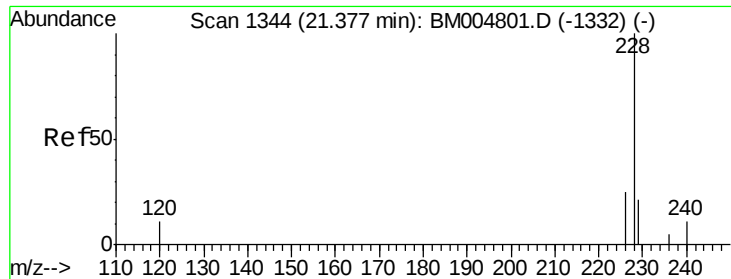
Ion Ratio Lower Upper

202 100

200 19.9 17.8 26.8

203 17.9 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.75 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.05 min

Lab File: BM004803.D

Acq: 28 Mar 2016 12:54

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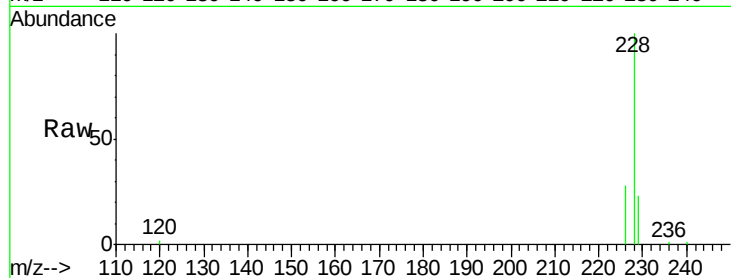
Tgt Ion:228 Resp: 13731

Ion Ratio Lower Upper

228 100

226 28.0 18.8 28.2

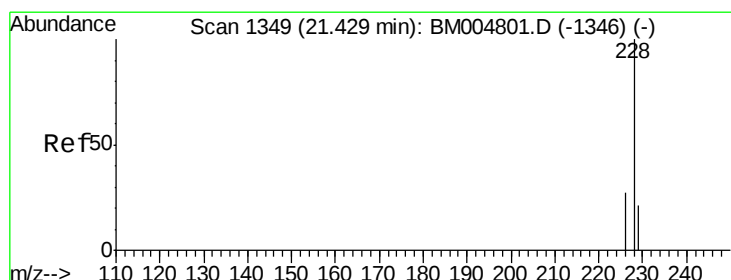
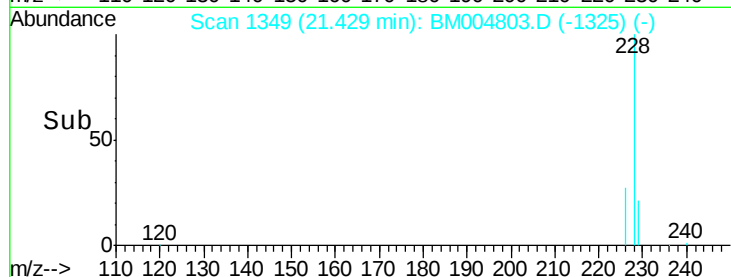
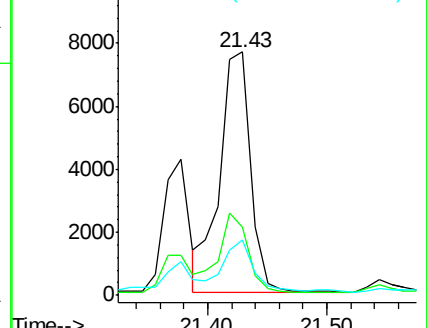
229 22.8 17.1 25.7



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: 0.78 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BM004803.D

Acq: 28 Mar 2016 12:54

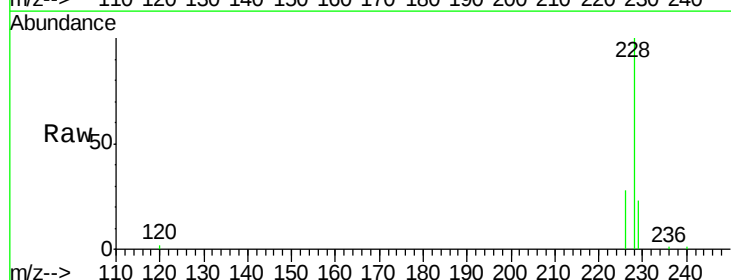
Tgt Ion:228 Resp: 13727

Ion Ratio Lower Upper

228 100

226 28.0 21.2 31.8

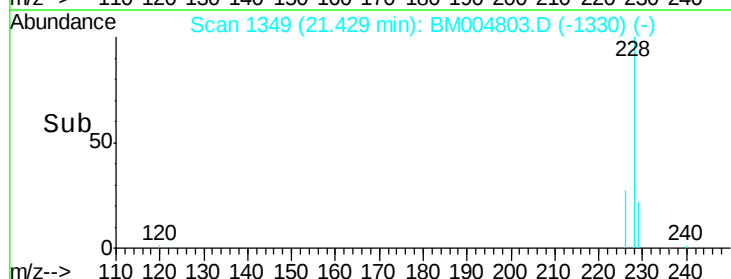
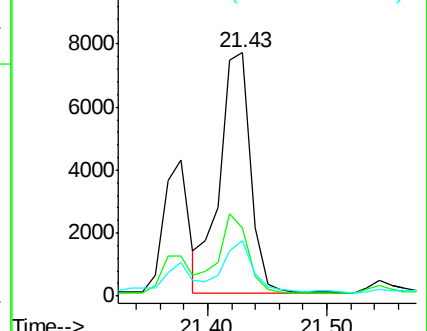
229 22.8 17.0 25.6

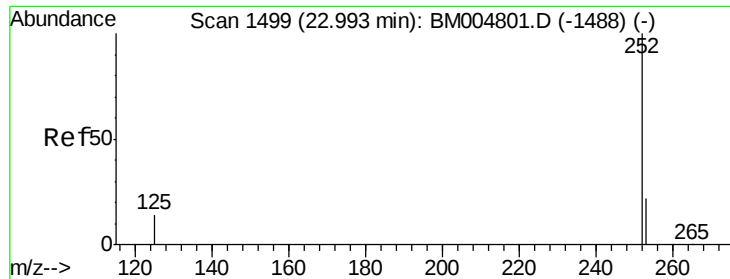


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.91 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BM004803.D

Acq: 28 Mar 2016 12:54

Instrument :

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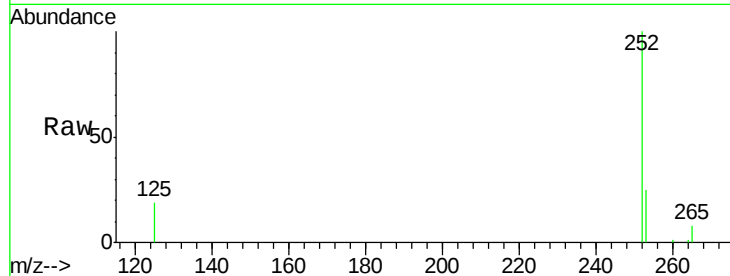
Tgt Ion:252 Resp: 15104

Ion Ratio Lower Upper

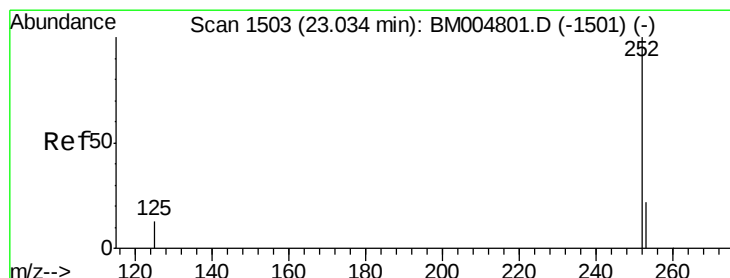
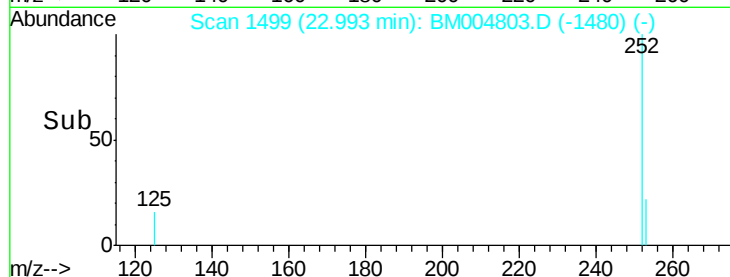
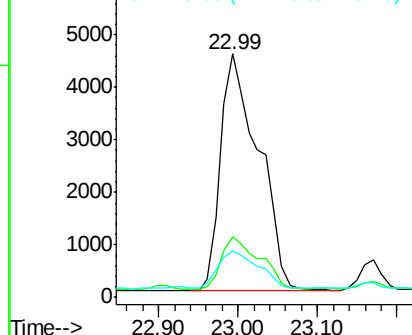
252 100

253 24.8 0.0 45.4

125 19.0 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: 0.99 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. -0.04 min

Lab File: BM004803.D

Acq: 28 Mar 2016 12:54

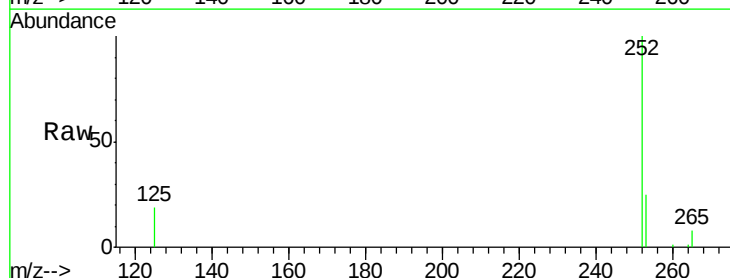
Tgt Ion:252 Resp: 15104

Ion Ratio Lower Upper

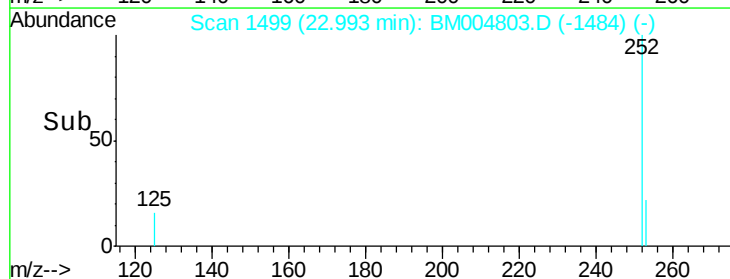
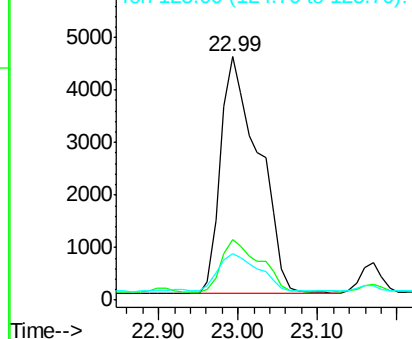
252 100

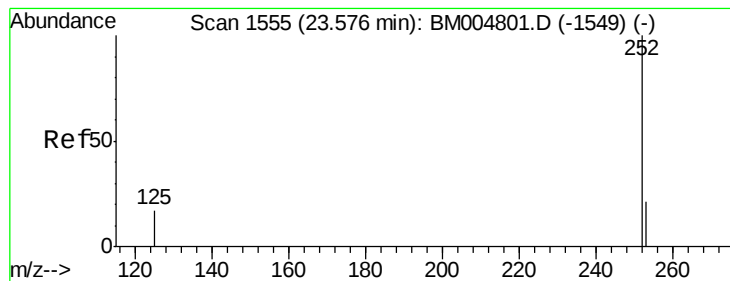
253 24.8 19.8 29.8

125 19.0 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: 0.54 ng/ul

RT: 23.58 min Scan# 1555

Delta R.T. 0.00 min

Lab File: BM004803.D

Acq: 28 Mar 2016 12:54

Instrument :

BNA_M

ClientSampleId :

A4T47DL

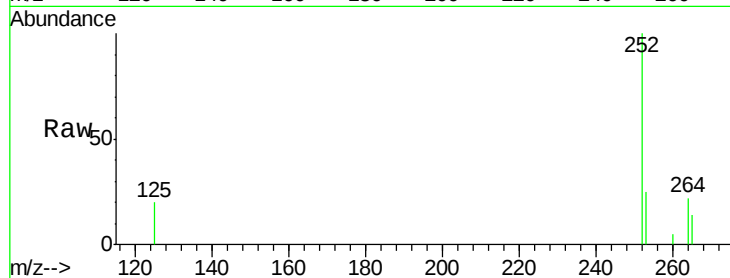
Tgt Ion:252 Resp: 8105

Ion Ratio Lower Upper

252 100

253 24.5 19.4 29.2

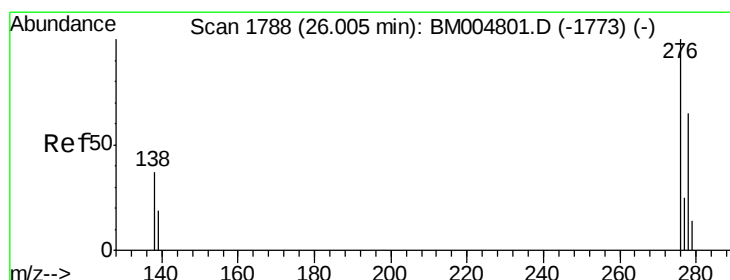
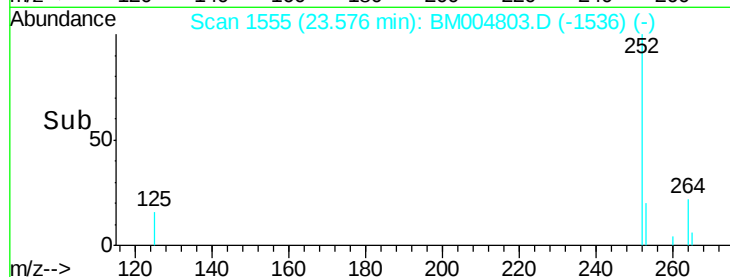
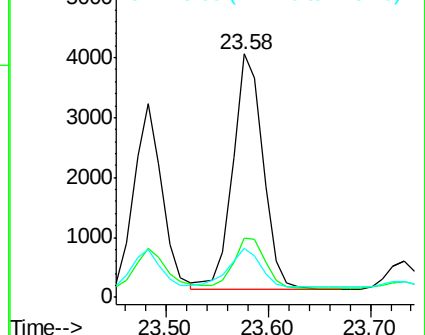
125 20.1 12.7 19.1#



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: 0.24 ng/ul

RT: 26.01 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BM004803.D

Acq: 28 Mar 2016 12:54

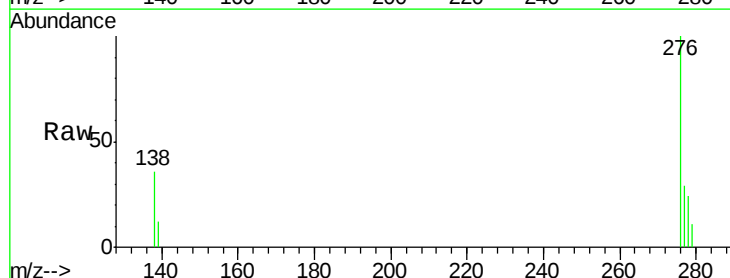
Tgt Ion:276 Resp: 3420

Ion Ratio Lower Upper

276 100

138 32.5 16.3 24.5#

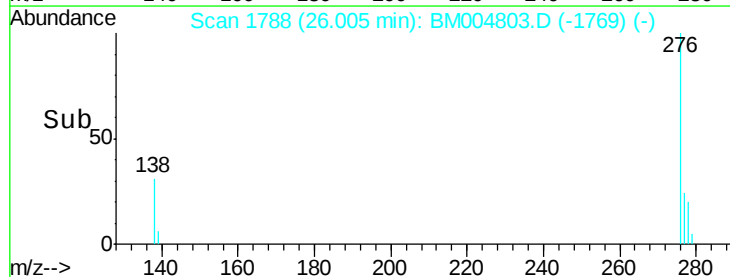
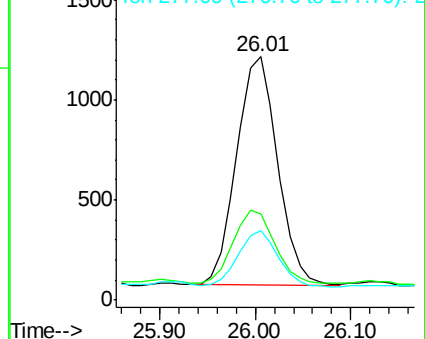
277 24.1 19.8 29.8

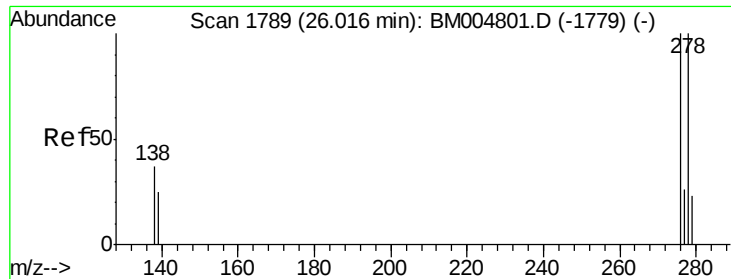


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.07 ng/ul

RT: 26.02 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BM004803.D

Acq: 28 Mar 2016 12:54

Instrument :

BNA_M

ClientSampleId :

A4T47DL

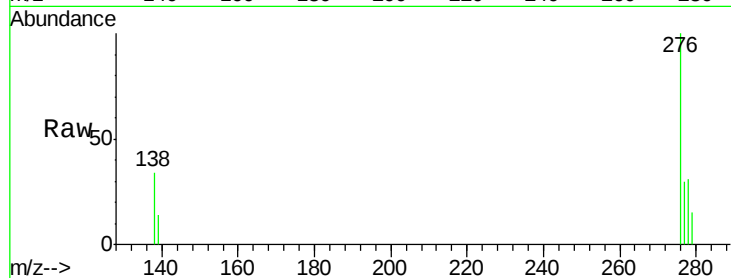
Tgt Ion: 278 Resp: 807

Ion Ratio Lower Upper

278 100

139 46.2 16.4 24.6#

279 46.9 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

26.02

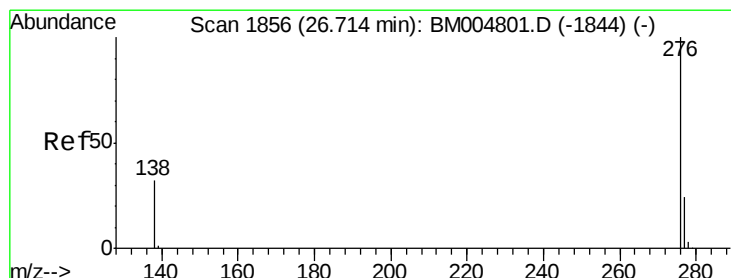
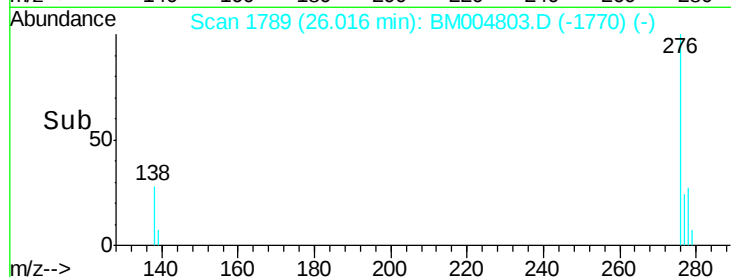
300

200

100

0

Time--> 25.90 26.00 26.10



#28

Benzo(g,h,i)perylene

Concen: 0.28 ng/ul

RT: 26.71 min Scan# 1856

Delta R.T. 0.00 min

Lab File: BM004803.D

Acq: 28 Mar 2016 12:54

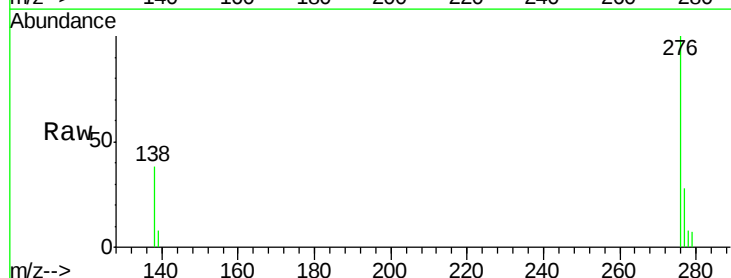
Tgt Ion: 276 Resp: 3264

Ion Ratio Lower Upper

276 100

277 28.0 18.9 28.3

138 38.0 22.5 33.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

26.71

1000

500

0

Time--> 26.60 26.80

