

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032816\
 Data File : BM004811.D
 Acq On : 28 Mar 2016 19:16
 Operator : UM/SJ
 Sample : H1909-05DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T41DL

Quant Time: Mar 29 03:09:11 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	1147	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5111	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2831	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	6326	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	6640	5.00	ng/ul	0.00
22) Perylene-d12	23.69	264	5622	5.00	ng/ul	0.01

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	927	1.79	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	367	0.05	ng/ul	0.01
16) Fluoranthene-d10	19.24	212	955	0.06	ng/ul	0.00

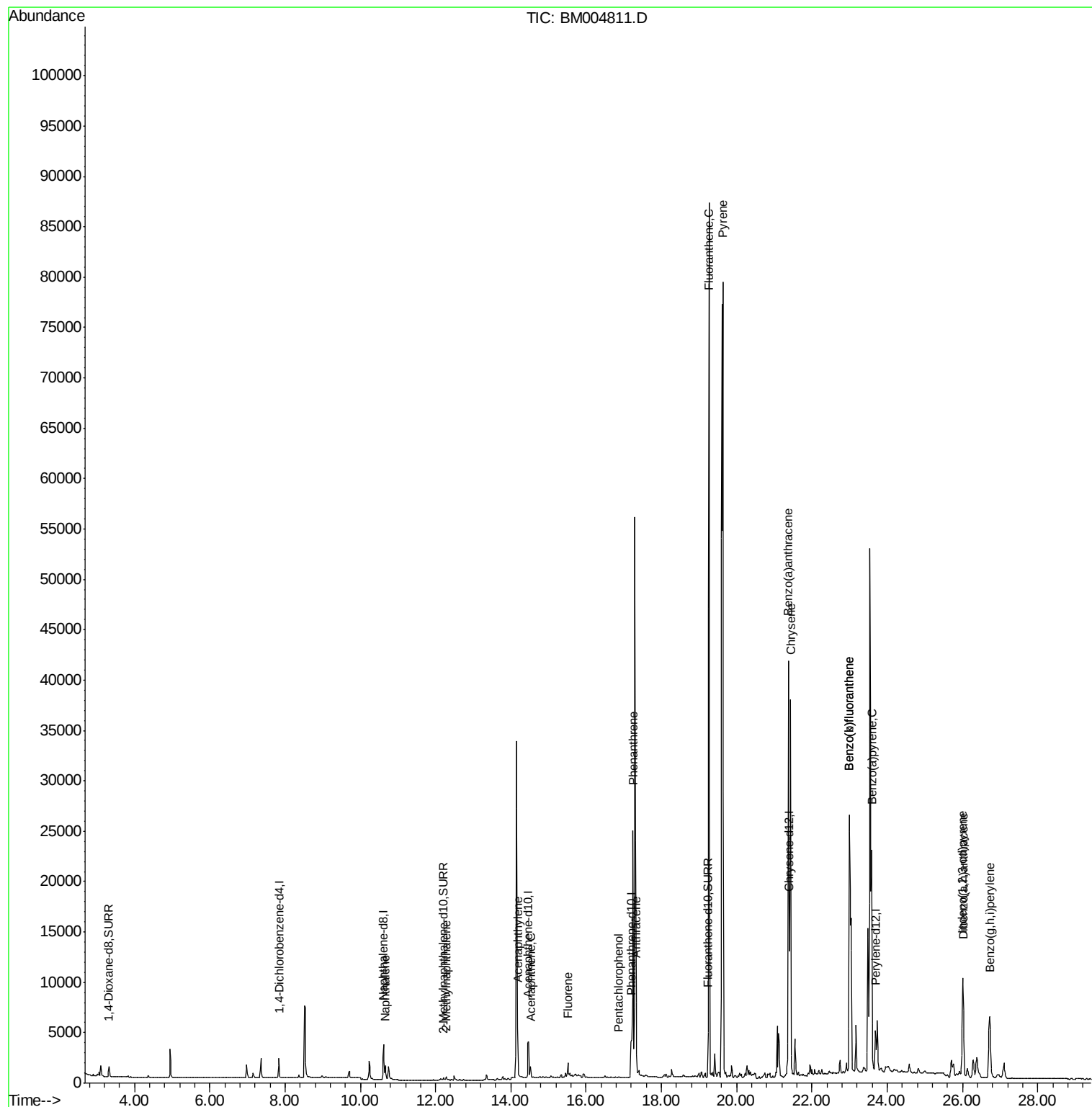
Target Compounds				Qvalue		
5) Naphthalene	10.67	128	1928	0.16	ng/ul#	89
7) 2-Methylnaphthalene	12.28	142	340	0.04	ng/ul	99
9) Acenaphthylene	14.18	152	4355	0.33	ng/ul#	94
10) Acenaphthene	14.52	153	708	0.08	ng/ul#	87
11) Fluorene	15.51	166	1479	0.13	ng/ul#	87
13) Pentachlorophenol	16.87	266	4	0.00	ng/ul#	1
14) Phenanthrene	17.24	178	27085	1.52	ng/ul	96
15) Anthracene	17.33	178	7289	0.43	ng/ul	96
17) Fluoranthene	19.27	202	81161	4.01	ng/ul	98
19) Pyrene	19.63	202	69492	3.06	ng/ul	97
20) Benzo(a)anthracene	21.38	228	36728	1.80	ng/ul	95
21) Chrysene	21.43	228	36251	1.84	ng/ul	96
23) Benzo(b)fluoranthene	22.99	252	62267	3.29	ng/ul	98
24) Benzo(k)fluoranthene	22.99	252	62267	3.55	ng/ul#	94
25) Benzo(a)pyrene	23.59	252	29645	1.71	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	26.01	276	15267	0.95	ng/ul#	88
27) Dibenzo(a,h)anthracene	26.02	278	3702	0.29	ng/ul#	82
28) Benzo(g,h,i)perylene	26.72	276	12885	0.97	ng/ul	94

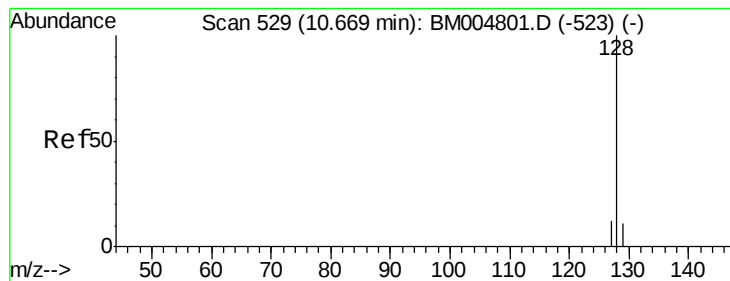
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.16 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004811.D

Acq: 28 Mar 2016 19:16

Instrument :

BNA_M

ClientSampleId :

A4T41DL

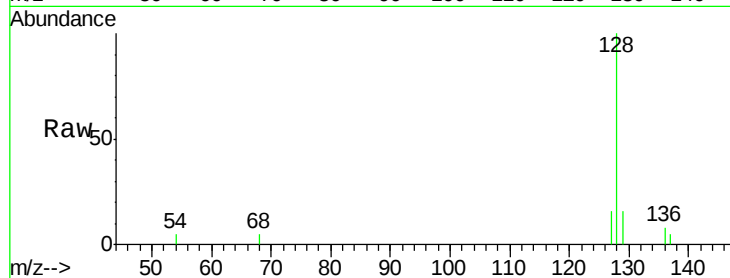
Tgt Ion:128 Resp: 1928

Ion Ratio Lower Upper

128 100

129 15.6 9.0 13.6#

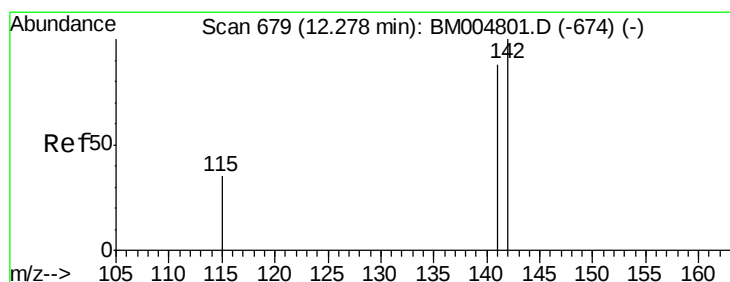
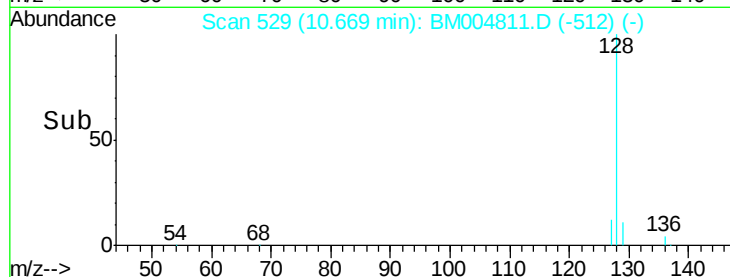
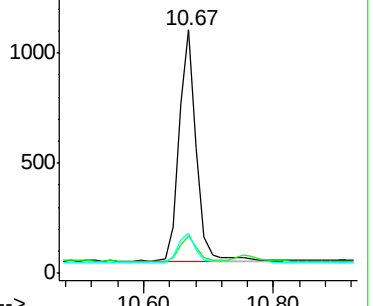
127 16.3 9.6 14.4#



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: 0.04 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004811.D

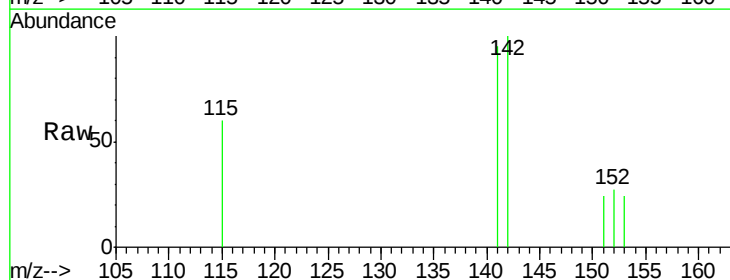
Acq: 28 Mar 2016 19:16

Tgt Ion:142 Resp: 340

Ion Ratio Lower Upper

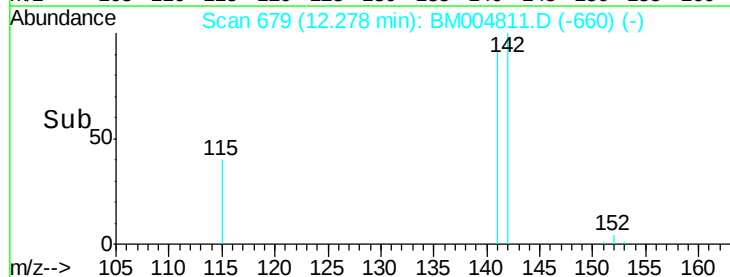
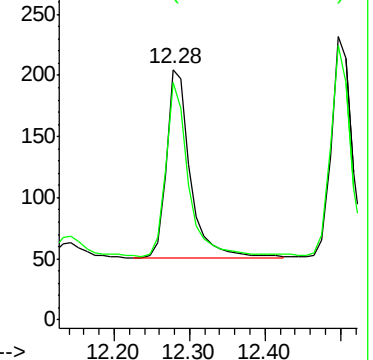
142 100

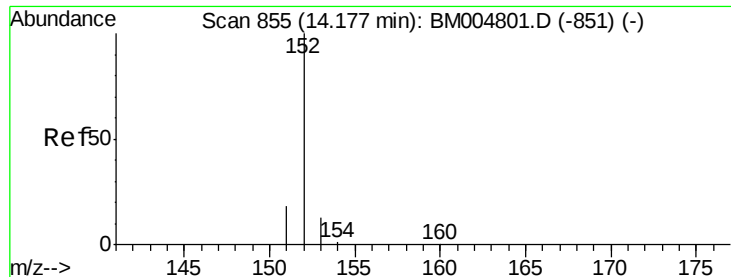
141 88.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.33 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004811.D

Acq: 28 Mar 2016 19:16

Instrument :

BNA_M

ClientSampleId :

A4T41DL

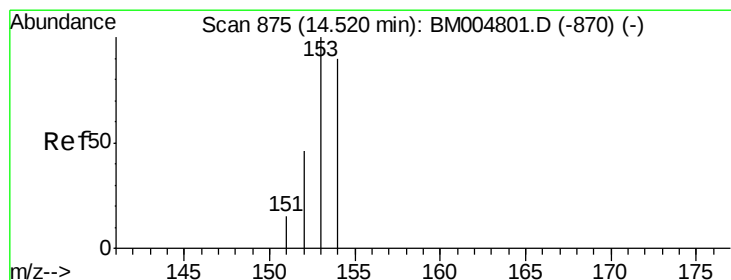
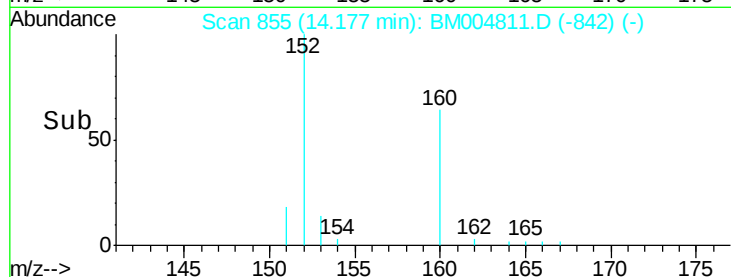
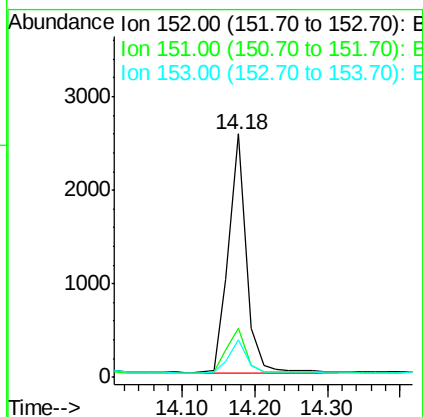
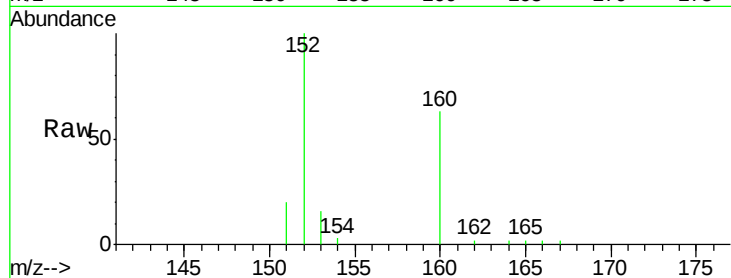
Tgt Ion:152 Resp: 4355

Ion Ratio Lower Upper

152 100

151 20.0 17.6 26.4

153 15.6 9.7 14.5#



#10

Acenaphthene

Concen: 0.08 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004811.D

Acq: 28 Mar 2016 19:16

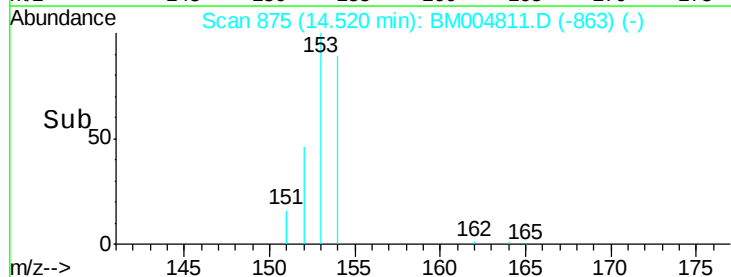
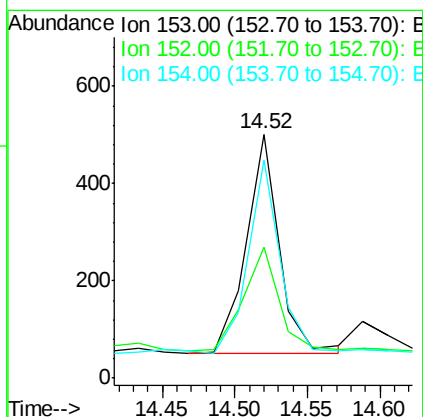
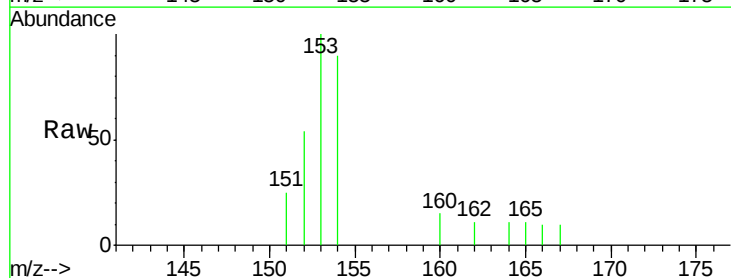
Tgt Ion:153 Resp: 708

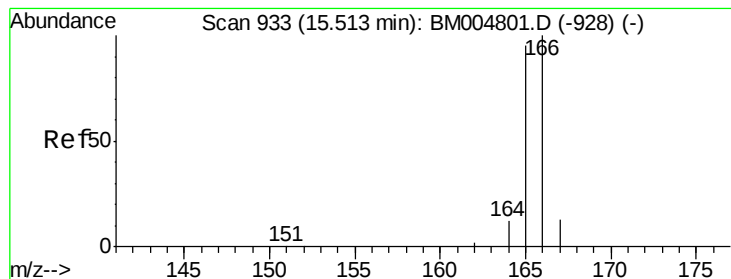
Ion Ratio Lower Upper

153 100

152 53.7 33.9 50.9#

154 89.6 80.6 121.0





#11

Fluorene

Concen: 0.13 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.00 min

Lab File: BM004811.D

Acq: 28 Mar 2016 19:16

Instrument :

BNA_M

ClientSampleId :

A4T41DL

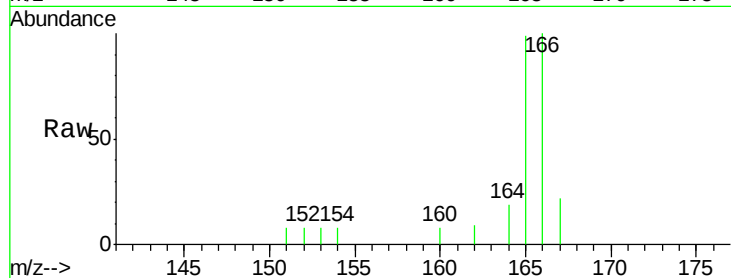
Tgt Ion:166 Resp: 1479

Ion Ratio Lower Upper

166 100

165 98.6 69.6 104.4

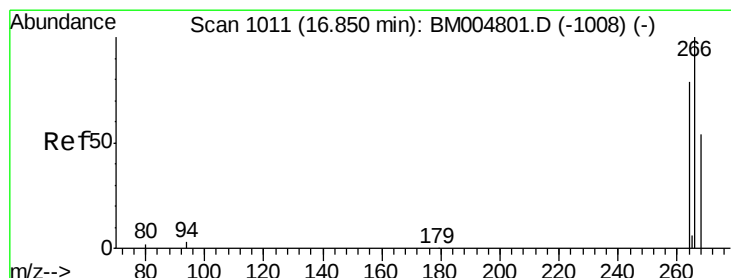
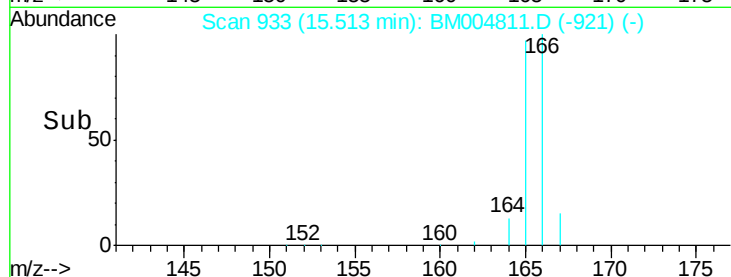
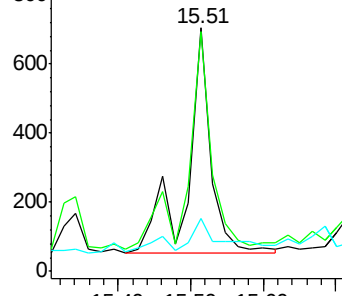
167 21.8 11.9 17.9#



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: BM004811.D

Acq: 28 Mar 2016 19:16

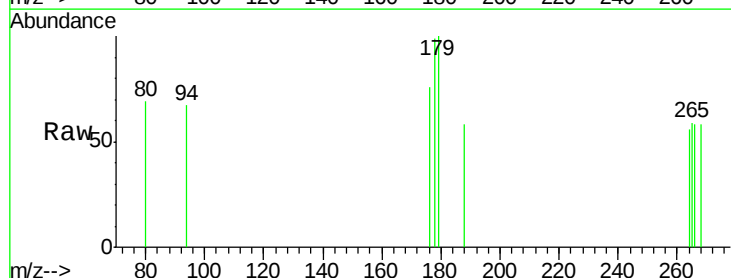
Tgt Ion:266 Resp: 4

Ion Ratio Lower Upper

266 100

264 250.0 51.8 77.8#

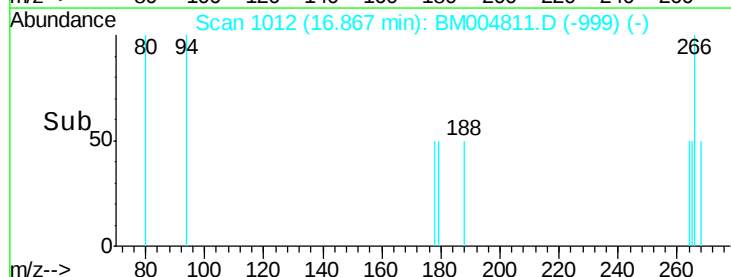
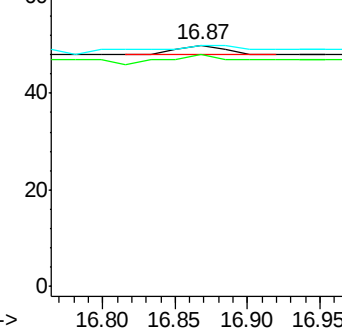
268 325.0 46.8 70.2#

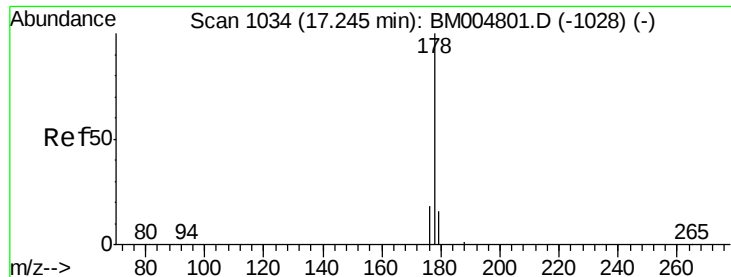


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 1.52 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM004811.D

Acq: 28 Mar 2016 19:16

Instrument :

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A4T41DL

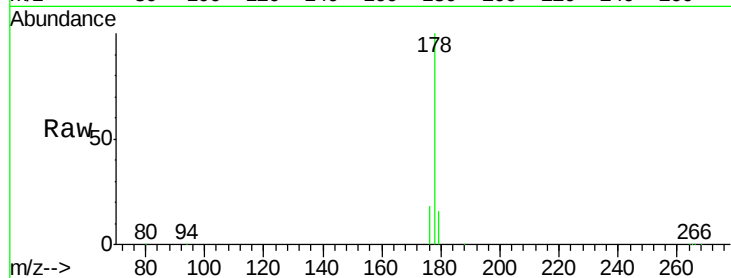
Tgt Ion:178 Resp: 27085

Ion Ratio Lower Upper

178 100

176 18.1 13.0 19.4

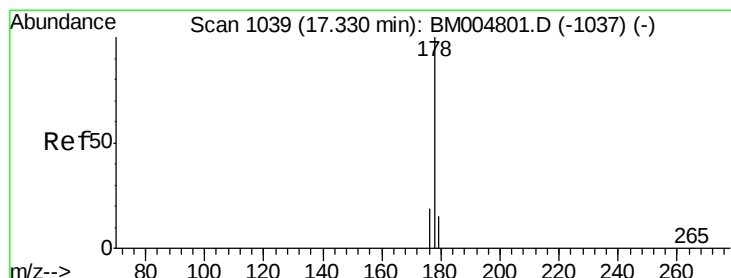
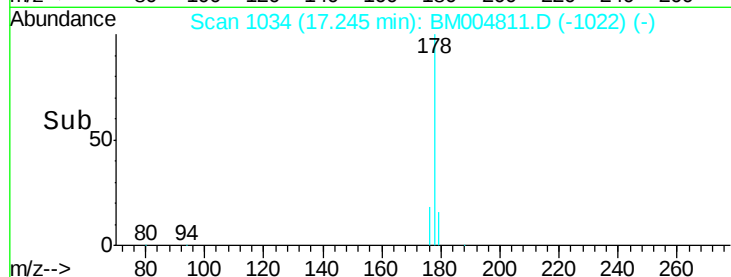
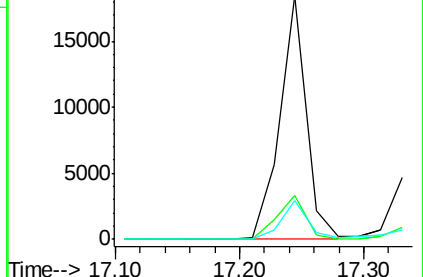
179 15.9 14.2 21.2



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



#15

Anthracene

Concen: 0.43 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM004811.D

Acq: 28 Mar 2016 19:16

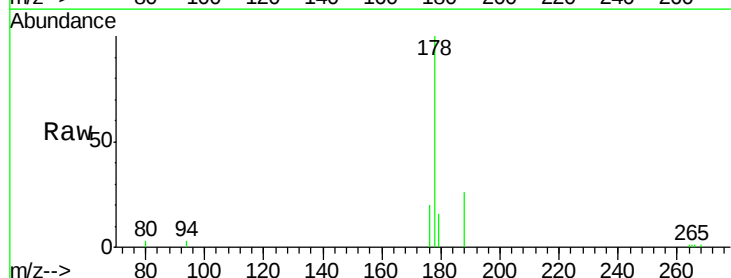
Tgt Ion:178 Resp: 7289

Ion Ratio Lower Upper

178 100

176 20.3 14.0 21.0

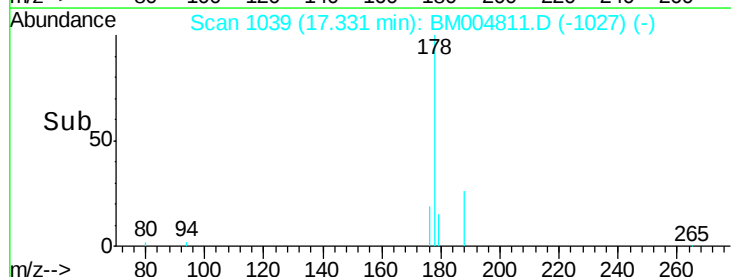
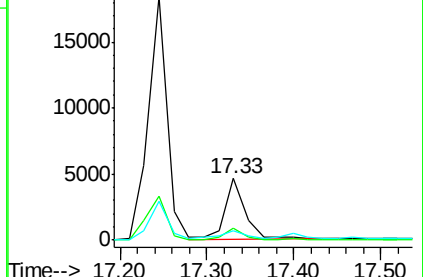
179 15.9 12.9 19.3

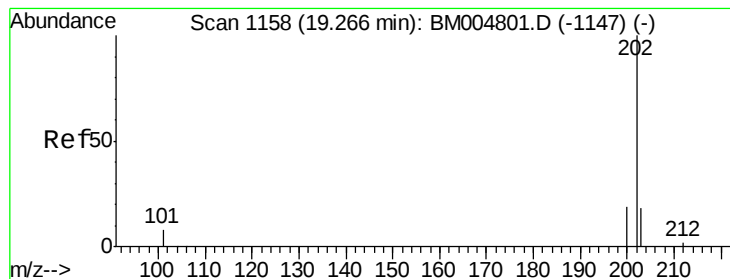


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 4.01 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BM004811.D

Acq: 28 Mar 2016 19:16

Instrument :

BNA_M

ClientSampleId :

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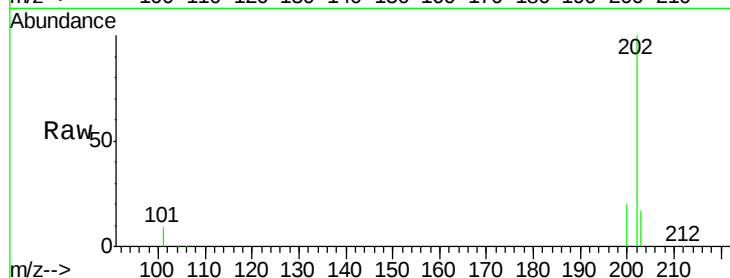
Tgt Ion:202 Resp: 81161

Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.6

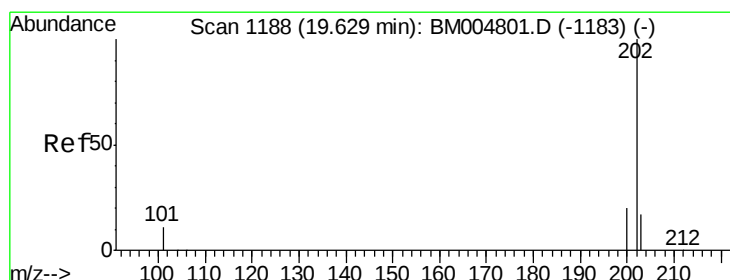
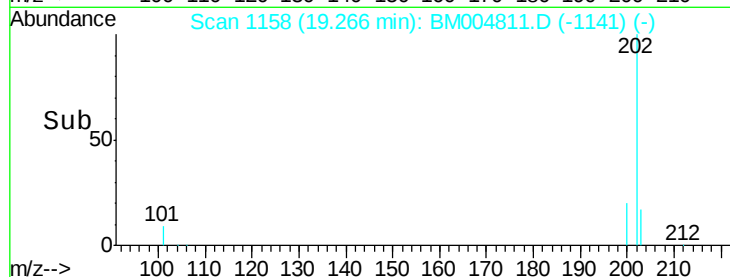
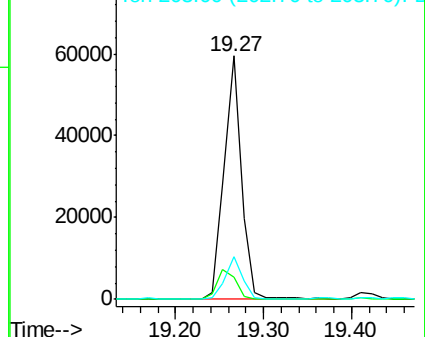
203 17.3 0.0 36.3



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: 3.06 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BM004811.D

Acq: 28 Mar 2016 19:16

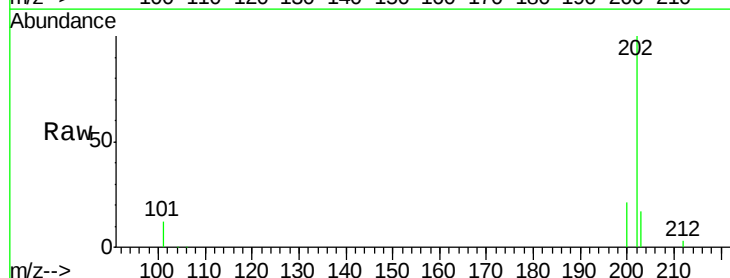
Tgt Ion:202 Resp: 69492

Ion Ratio Lower Upper

202 100

200 21.0 17.8 26.8

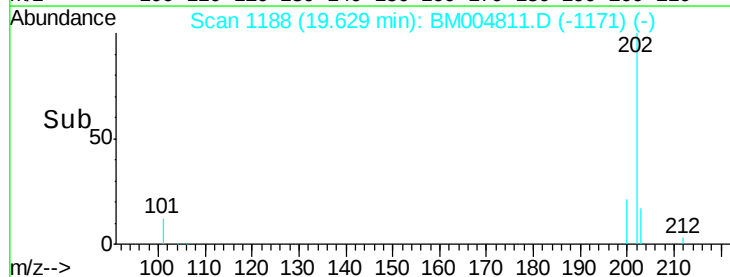
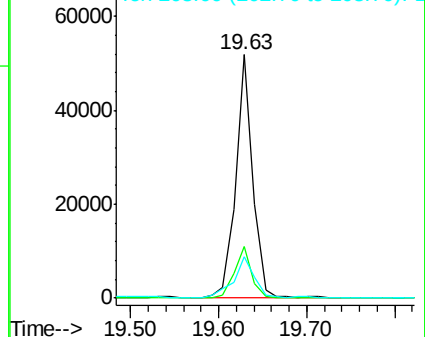
203 17.2 12.8 19.2

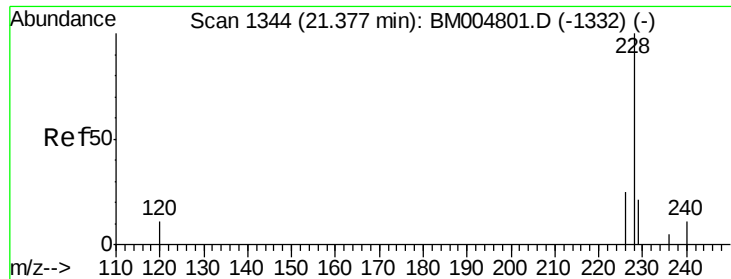


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 1.80 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BM004811.D

Acq: 28 Mar 2016 19:16

Instrument :

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A4T41DL

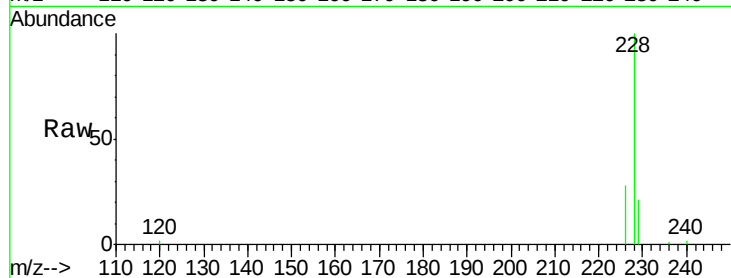
Tgt Ion:228 Resp: 36728

Ion Ratio Lower Upper

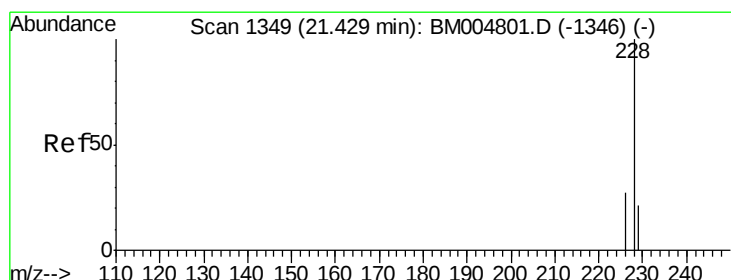
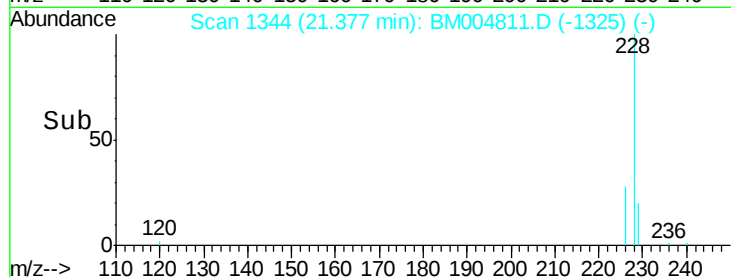
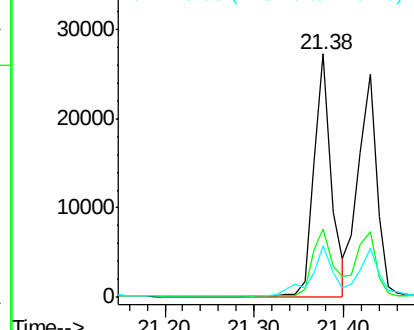
228 100

226 28.1 18.8 28.2

229 21.1 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: 1.84 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BM004811.D

Acq: 28 Mar 2016 19:16

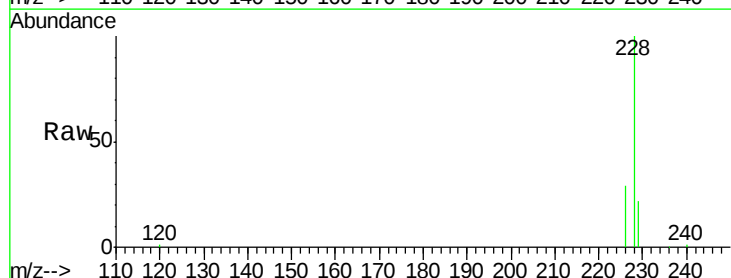
Tgt Ion:228 Resp: 36251

Ion Ratio Lower Upper

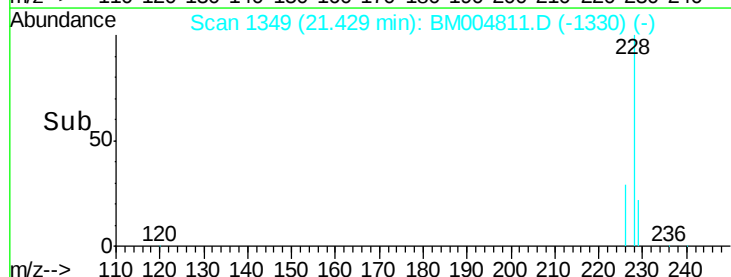
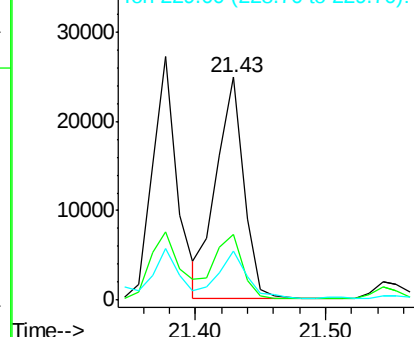
228 100

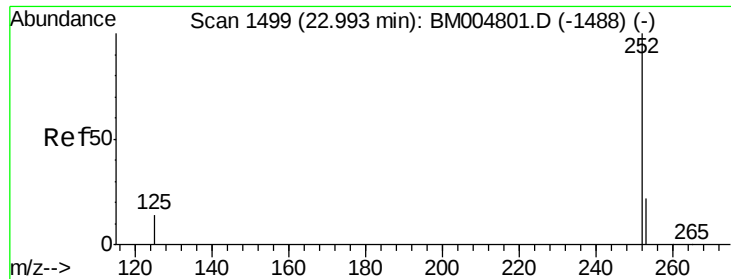
226 29.2 21.2 31.8

229 22.2 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: 3.29 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BM004811.D

Acq: 28 Mar 2016 19:16

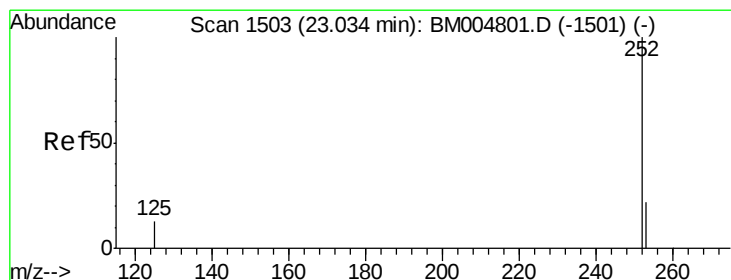
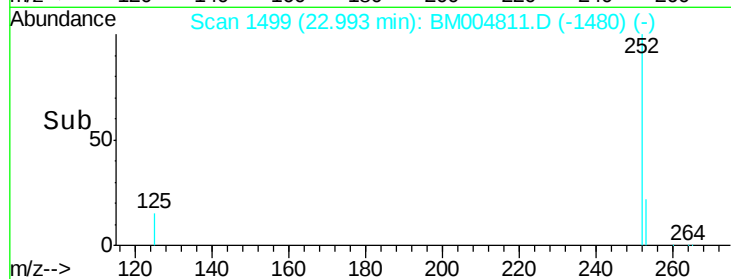
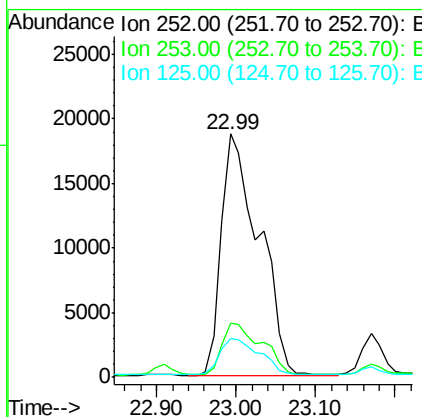
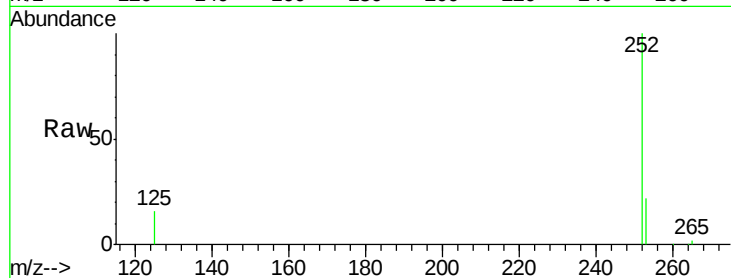
Instrument :

BNA_M

ClientSampleId :

A4T41DL

Tgt Ion:	252	Resp:	62267
Ion Ratio	Lower	Upper	
252	100		
253	22.5	0.0	45.4
125	16.1	0.0	28.8



#24

Benzo(k)fluoranthene

Concen: 3.55 ng/ul

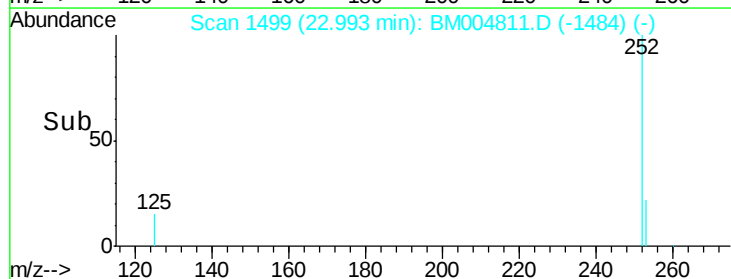
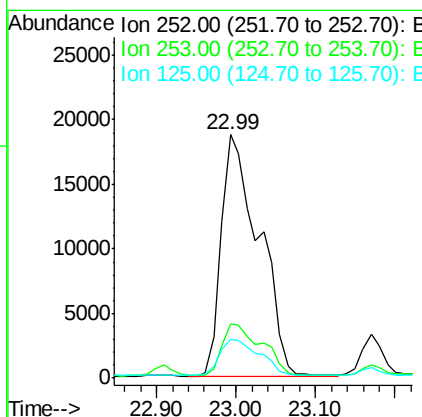
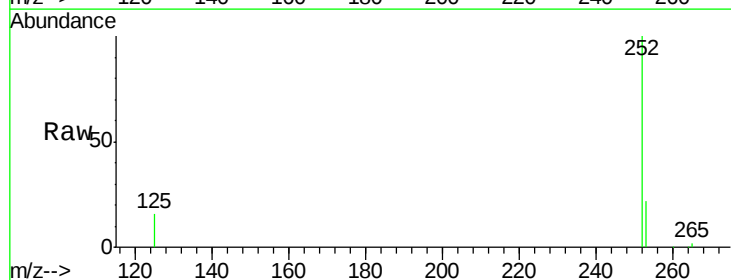
RT: 22.99 min Scan# 1499

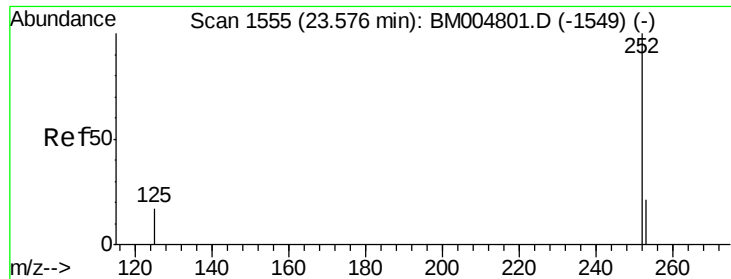
Delta R.T. -0.04 min

Lab File: BM004811.D

Acq: 28 Mar 2016 19:16

Tgt Ion:	252	Resp:	62267
Ion Ratio	Lower	Upper	
252	100		
253	22.5	19.8	29.8
125	16.1	10.4	15.6#





#25

Benzo(a)pyrene

Concen: 1.71 ng/ul

RT: 23.59 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BM004811.D

Acq: 28 Mar 2016 19:16

Instrument :

BNA_M

ClientSampleId :

A4T41DL

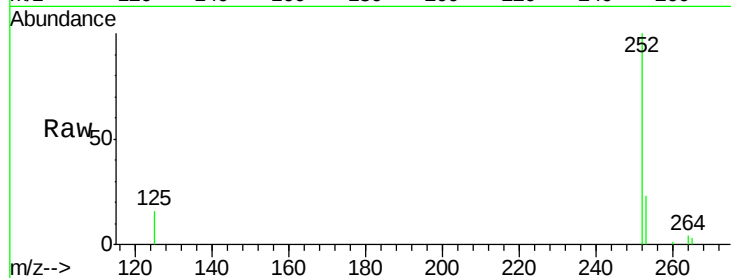
Tgt Ion:252 Resp: 29645

Ion Ratio Lower Upper

252 100

253 23.5 19.4 29.2

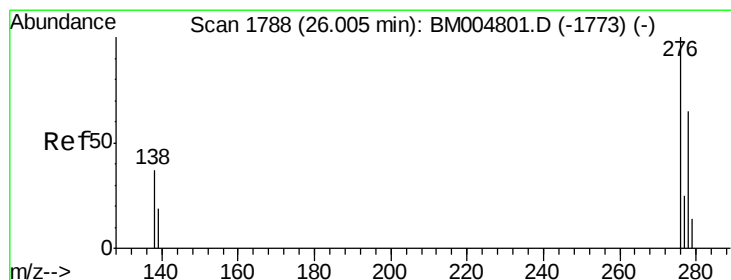
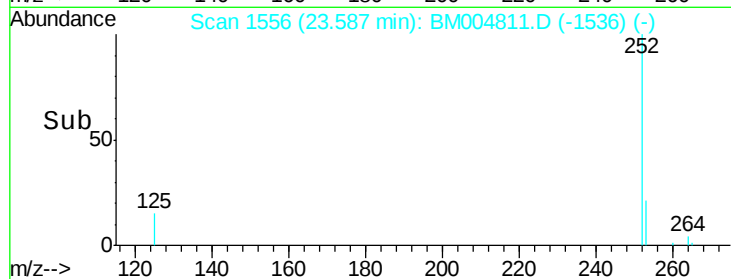
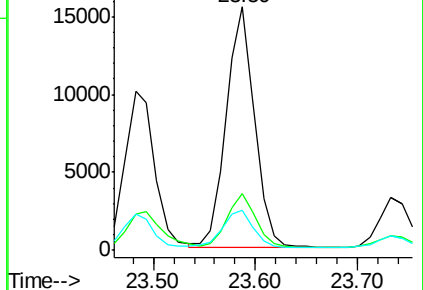
125 16.4 12.7 19.1



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: 0.95 ng/ul

RT: 26.01 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BM004811.D

Acq: 28 Mar 2016 19:16

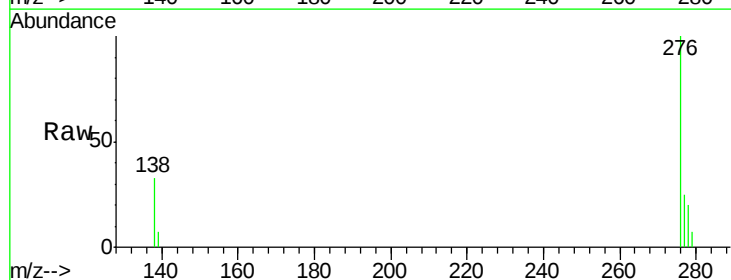
Tgt Ion:276 Resp: 15267

Ion Ratio Lower Upper

276 100

138 32.2 16.3 24.5#

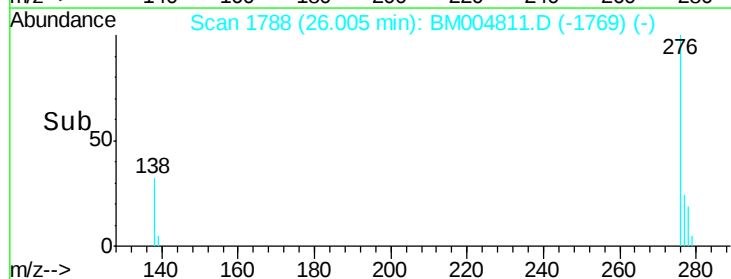
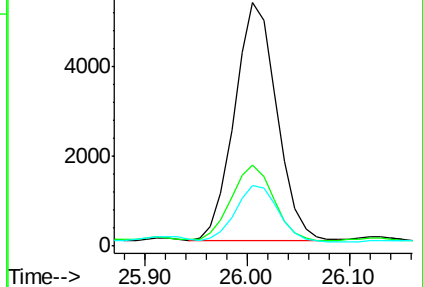
277 24.3 19.8 29.8

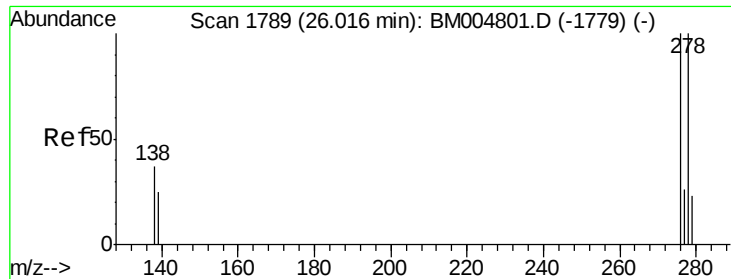


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.29 ng/ul

RT: 26.02 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BM004811.D

Acq: 28 Mar 2016 19:16

Instrument :

BNA_M

ClientSampleId :

A4T41DL

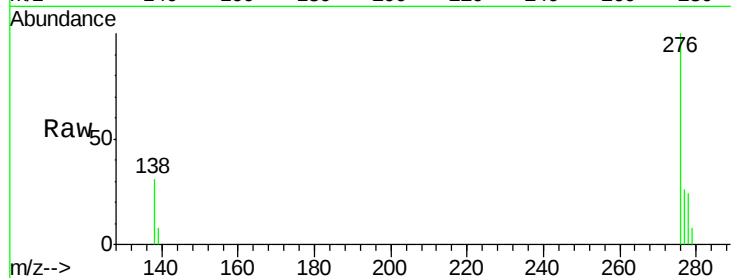
Tgt Ion:278 Resp: 3702

Ion Ratio Lower Upper

278 100

139 32.3 16.4 24.6#

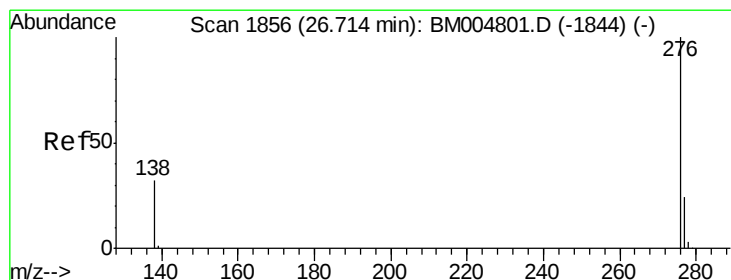
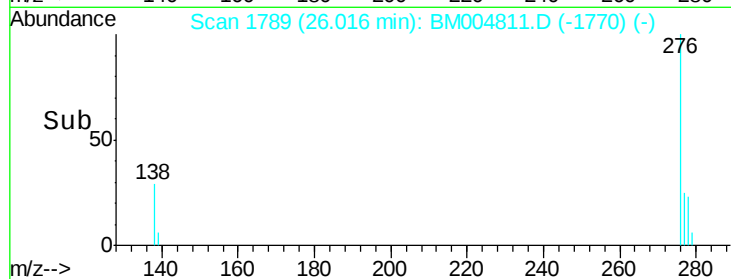
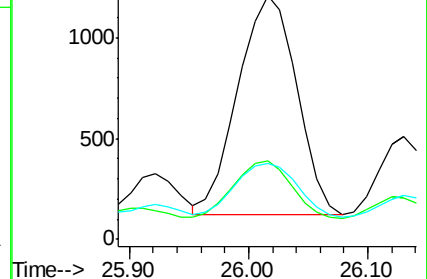
279 31.3 20.2 30.2#



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



#28

Benzo(g,h,i)perylene

Concen: 0.97 ng/ul

RT: 26.72 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BM004811.D

Acq: 28 Mar 2016 19:16

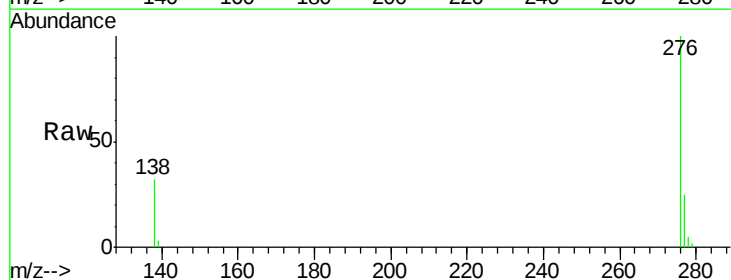
Tgt Ion:276 Resp: 12885

Ion Ratio Lower Upper

276 100

277 25.4 18.9 28.3

138 32.4 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

