

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032816\
 Data File : BM004810.D
 Acq On : 28 Mar 2016 18:40
 Operator : UM/SJ
 Sample : H1909-12DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T46DL

Quant Time: Mar 29 03:09:03 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	1017	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	4542	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2588	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	5796	5.00	ng/ul	0.00
18) Chrysene-d12	21.39	240	6050	5.00	ng/ul	0.00
22) Perylene-d12	23.68	264	5402	5.00	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	727	1.59	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	289	0.05	ng/ul	0.01
16) Fluoranthene-d10	19.23	212	718	0.05	ng/ul	0.00

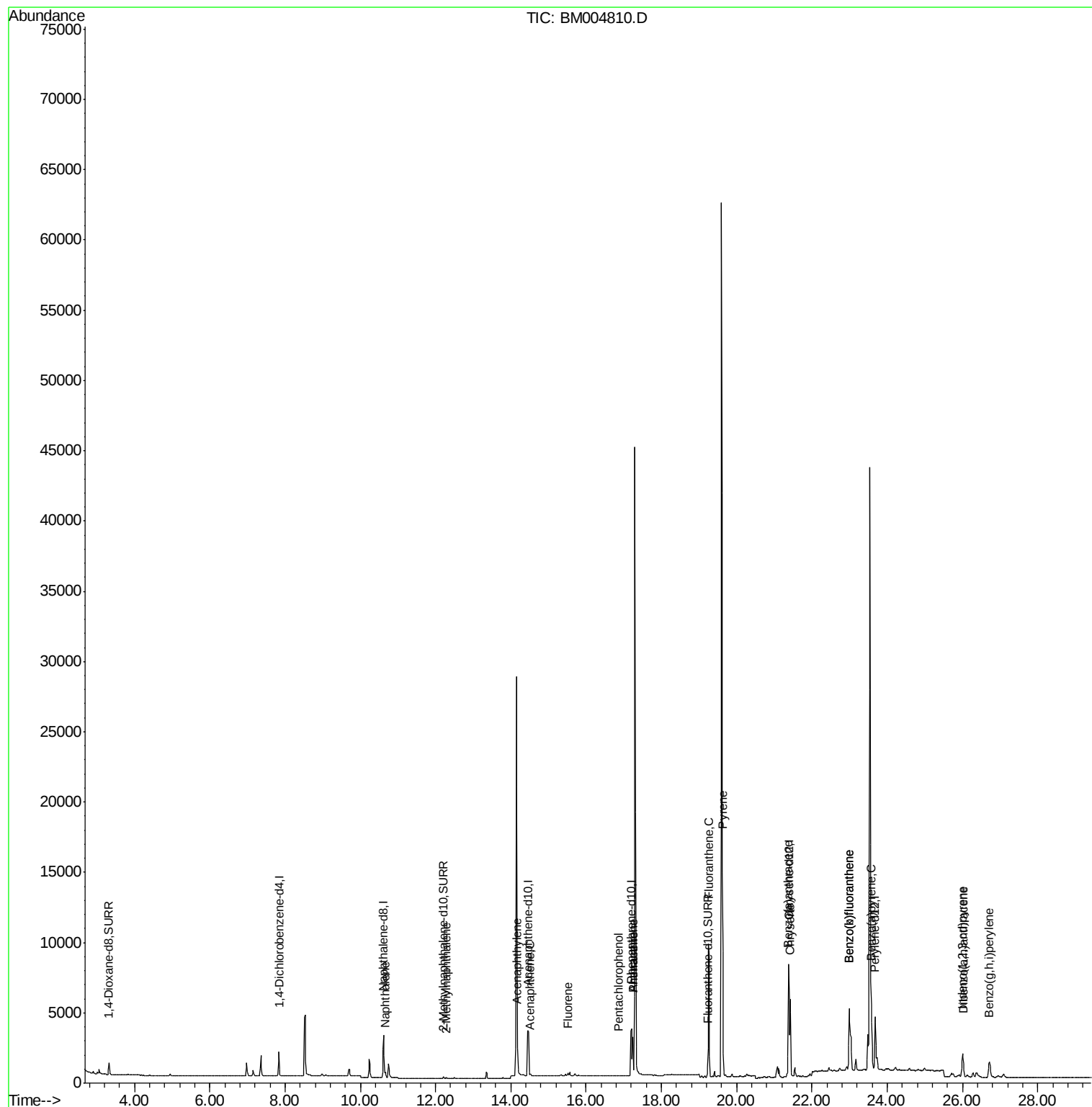
Target Compounds				Qvalue		
5) Naphthalene	10.67	128	547	0.05	ng/ul#	66
7) 2-Methylnaphthalene	12.29	142	82	0.01	ng/ul	94
9) Acenaphthylene	14.18	152	793	0.07	ng/ul#	84
10) Acenaphthene	14.52	153	75	0.01	ng/ul#	78
11) Fluorene	15.51	166	170	0.02	ng/ul#	78
13) Pentachlorophenol	16.87	266	8	0.01	ng/ul#	40
14) Phenanthrene	17.24	178	3106	0.19	ng/ul#	95
15) Anthracene	17.24	178	3104	0.20	ng/ul	94
17) Fluoranthene	19.26	202	10540	0.57	ng/ul	92
19) Pyrene	19.62	202	10446	0.50	ng/ul	96
20) Benzo(a)anthracene	21.37	228	6176	0.33	ng/ul#	90
21) Chrysene	21.42	228	5536	0.31	ng/ul#	92
23) Benzo(b)fluoranthene	23.00	252	10445	0.57	ng/ul	89
24) Benzo(k)fluoranthene	23.00	252	10445	0.62	ng/ul#	91
25) Benzo(a)pyrene	23.58	252	5253	0.32	ng/ul#	91
26) Indeno(1,2,3-cd)pyrene	26.01	276	2643	0.17	ng/ul#	88
27) Dibenzo(a,h)anthracene	26.02	278	649	0.05	ng/ul#	41
28) Benzo(g,h,i)perylene	26.72	276	2315	0.18	ng/ul#	83

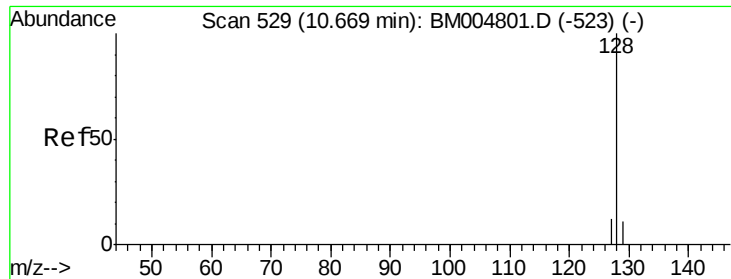
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.05 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004810.D

Acq: 28 Mar 2016 18:40

Instrument :

BNA_M

ClientSampleId :

A4T46DL

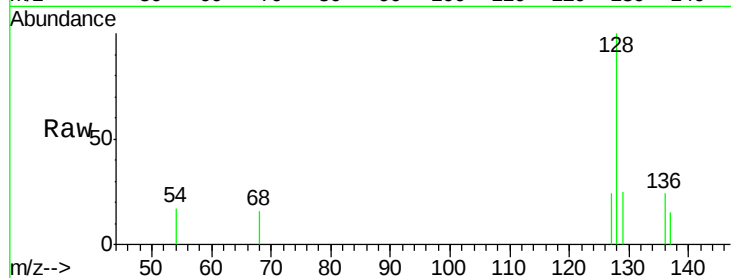
Tgt Ion:128 Resp: 547

Ion Ratio Lower Upper

128 100

129 25.0 9.0 13.6#

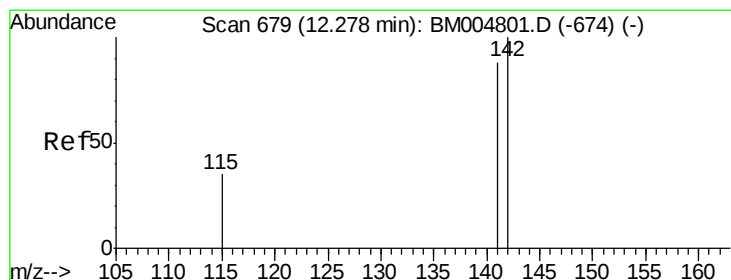
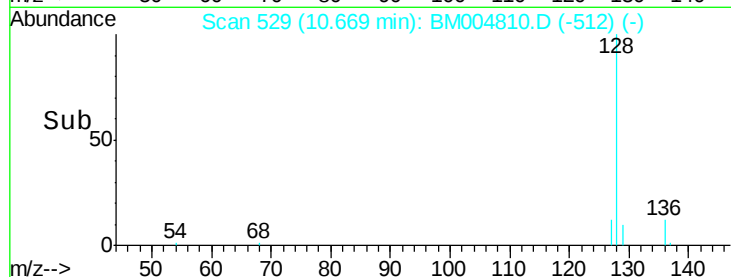
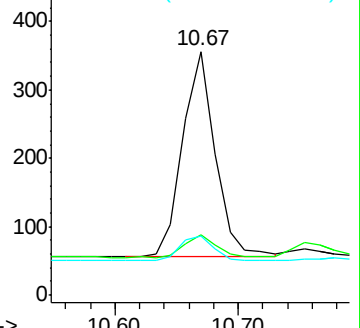
127 24.4 9.6 14.4#



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: 0.01 ng/ul

RT: 12.29 min Scan# 680

Delta R.T. 0.01 min

Lab File: BM004810.D

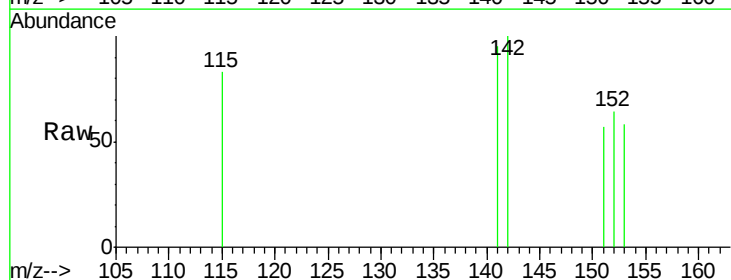
Acq: 28 Mar 2016 18:40

Tgt Ion:142 Resp: 82

Ion Ratio Lower Upper

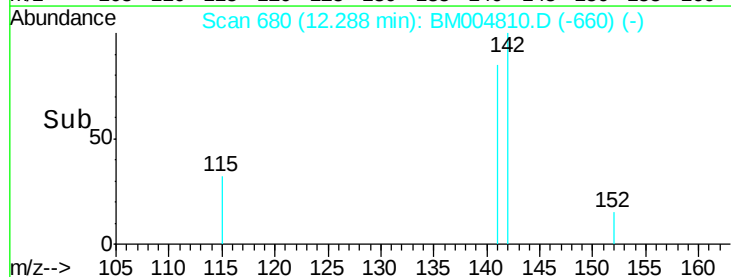
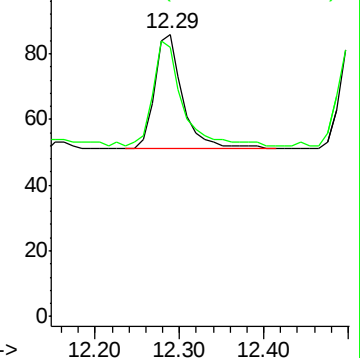
142 100

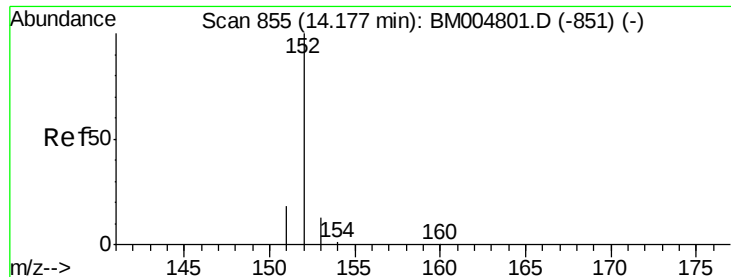
141 93.9 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.07 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004810.D

Acq: 28 Mar 2016 18:40

Instrument :

BNA_M

ClientSampleId :

A4T46DL

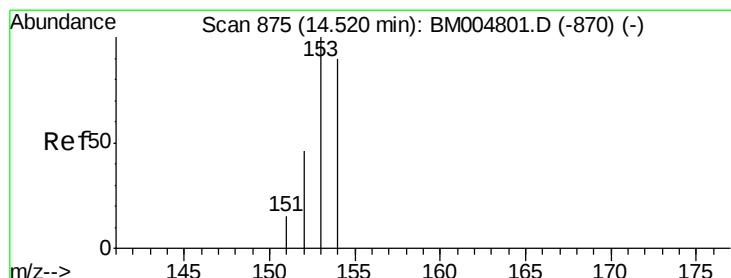
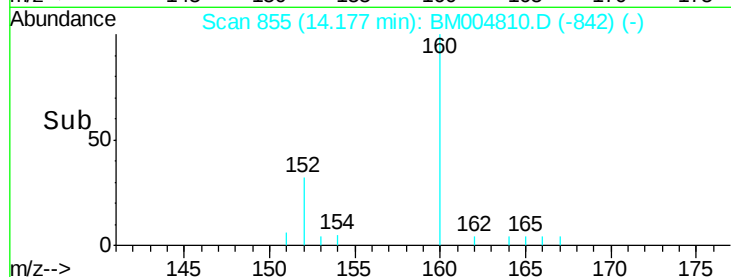
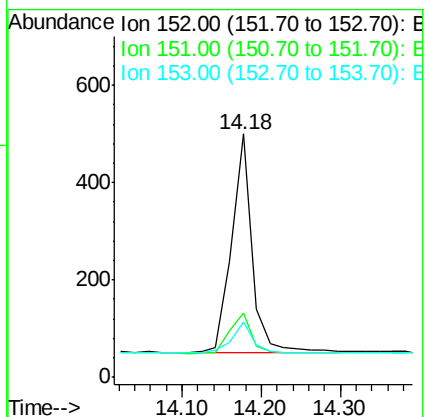
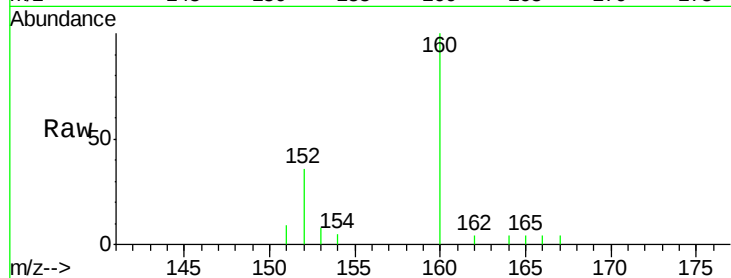
Tgt Ion:152 Resp: 793

Ion Ratio Lower Upper

152 100

151 26.4 17.6 26.4

153 22.6 9.7 14.5#



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004810.D

Acq: 28 Mar 2016 18:40

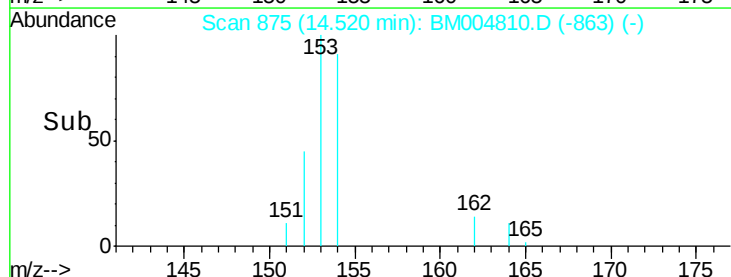
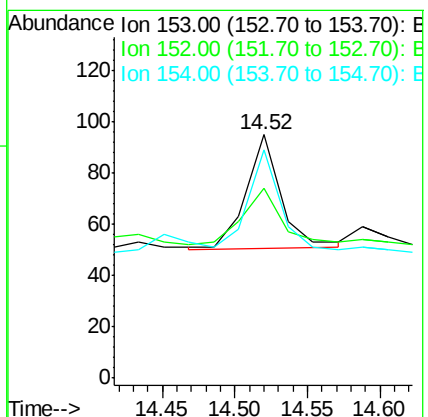
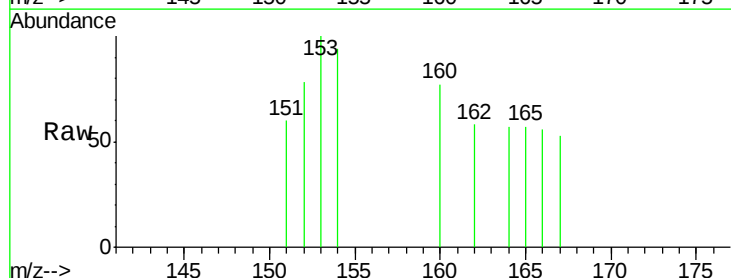
Tgt Ion:153 Resp: 75

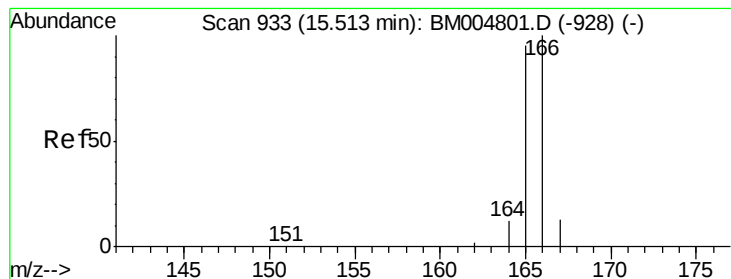
Ion Ratio Lower Upper

153 100

152 77.9 33.9 50.9#

154 93.7 80.6 121.0





#11

Fluorene

Concen: 0.02 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.00 min

Lab File: BM004810.D

Acq: 28 Mar 2016 18:40

Instrument :

BNA_M

ClientSampleId :

A4T46DL

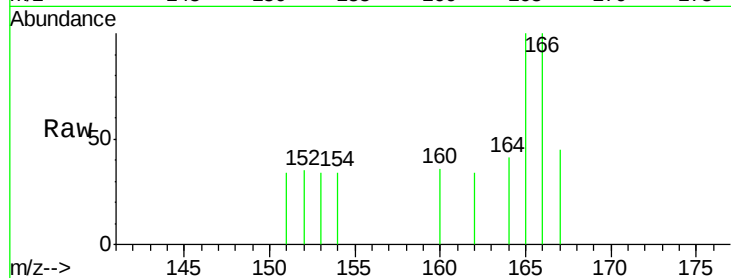
Tgt Ion:166 Resp: 170

Ion Ratio Lower Upper

166 100

165 100.0 69.6 104.4

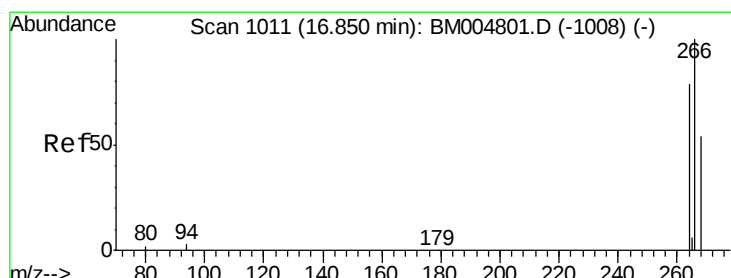
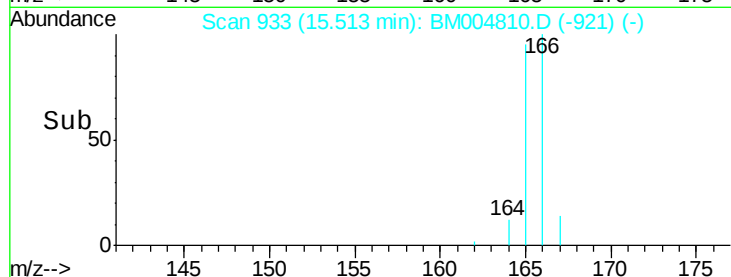
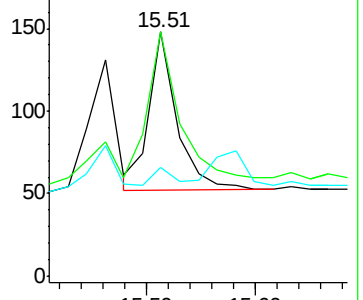
167 44.6 11.9 17.9#



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: BM004810.D

Acq: 28 Mar 2016 18:40

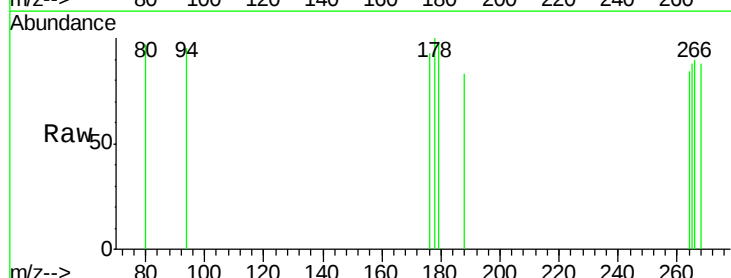
Tgt Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

264 50.0 51.8 77.8#

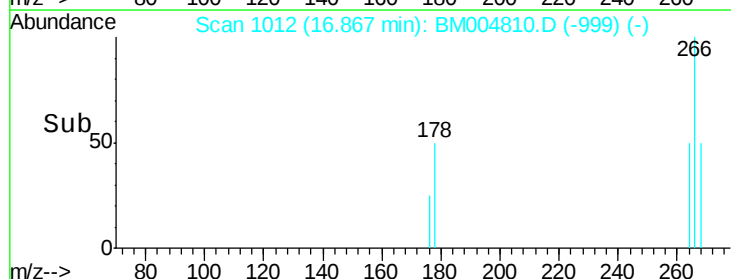
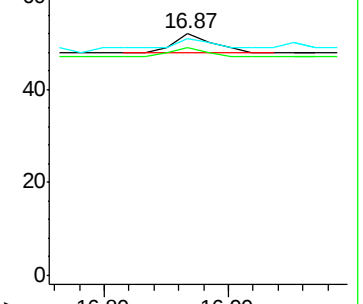
268 137.5 46.8 70.2#

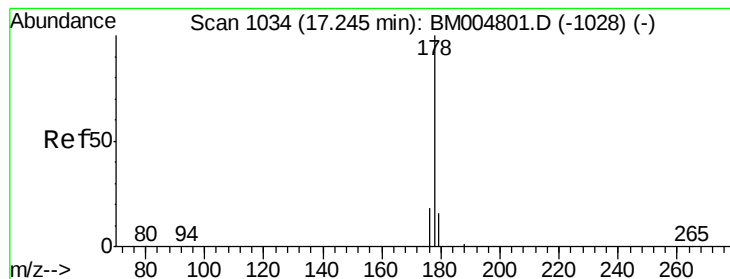


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.19 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM004810.D

Acq: 28 Mar 2016 18:40

Instrument :

BNA_M

ClientSampleId :

A4T46DL

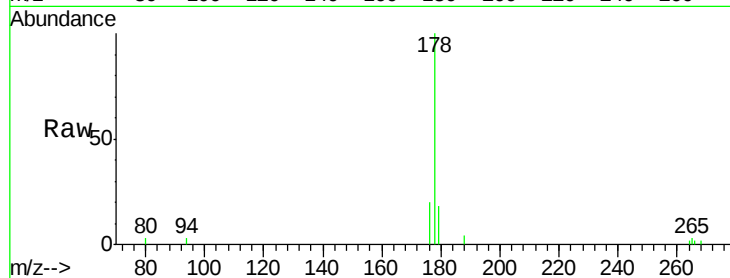
Tgt Ion:178 Resp: 3106

Ion Ratio Lower Upper

178 100

176 20.5 13.0 19.4#

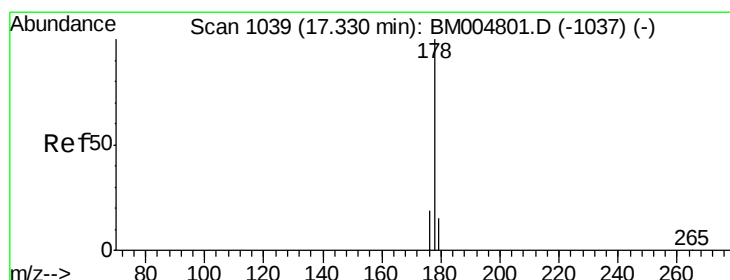
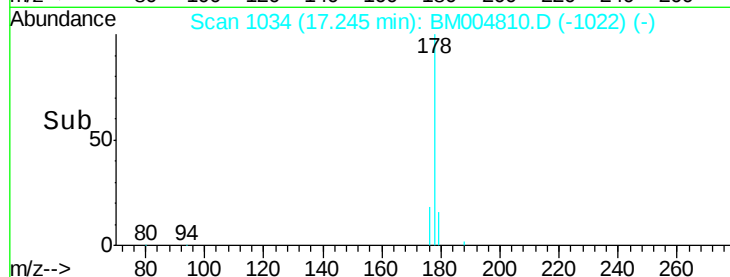
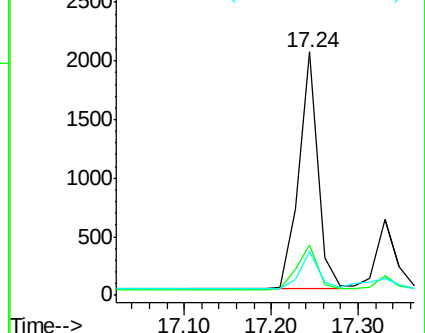
179 18.0 14.2 21.2



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: 0.20 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.09 min

Lab File: BM004810.D

Acq: 28 Mar 2016 18:40

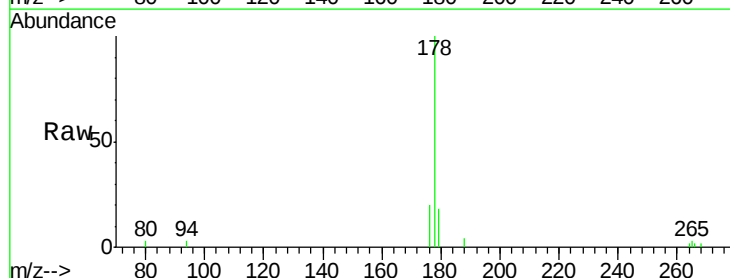
Tgt Ion:178 Resp: 3104

Ion Ratio Lower Upper

178 100

176 20.5 14.0 21.0

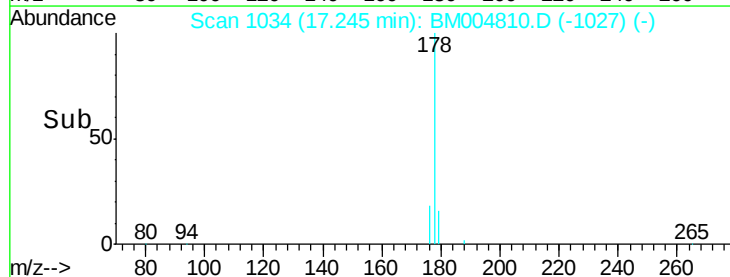
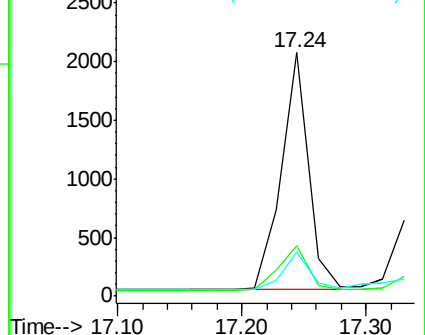
179 18.0 12.9 19.3

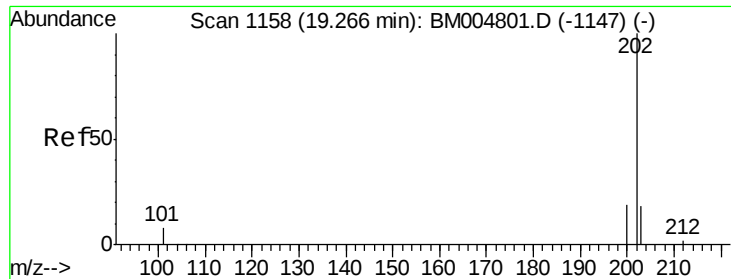


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.57 ng/ul

RT: 19.26 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BM004810.D

Acq: 28 Mar 2016 18:40

Instrument :

BNA_M

ClientSampleId :

A4T46DL

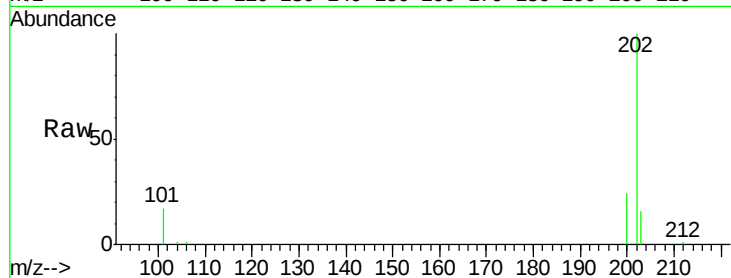
Tgt Ion:202 Resp: 10540

Ion Ratio Lower Upper

202 100

101 17.4 0.0 29.6

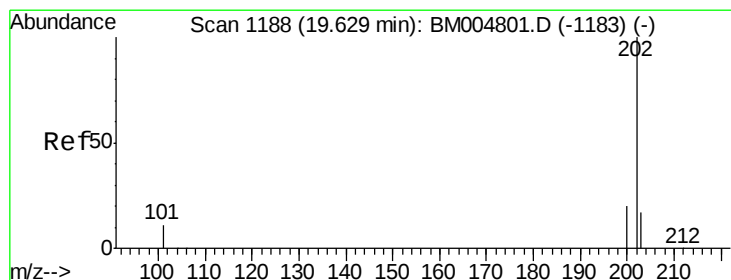
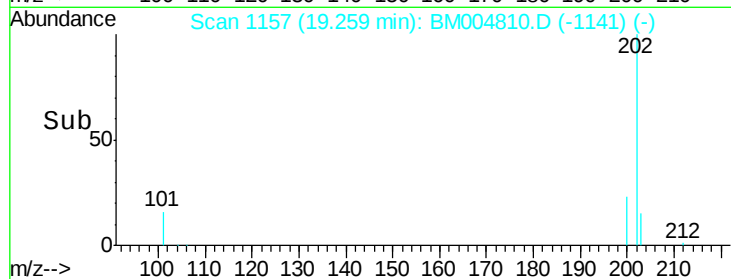
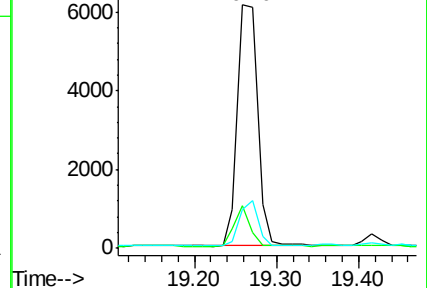
203 16.2 0.0 36.3



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: 0.50 ng/ul

RT: 19.62 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BM004810.D

Acq: 28 Mar 2016 18:40

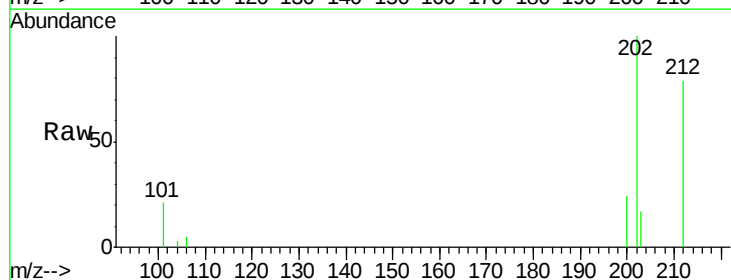
Tgt Ion:202 Resp: 10446

Ion Ratio Lower Upper

202 100

200 24.3 17.8 26.8

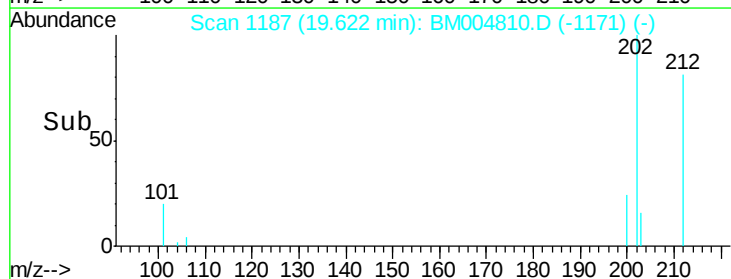
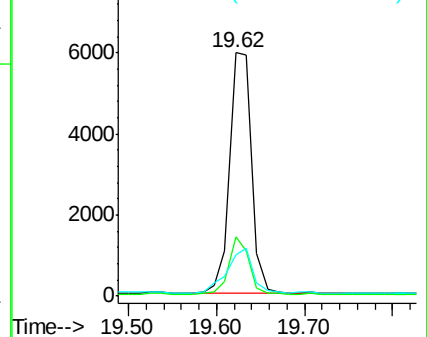
203 17.2 12.8 19.2

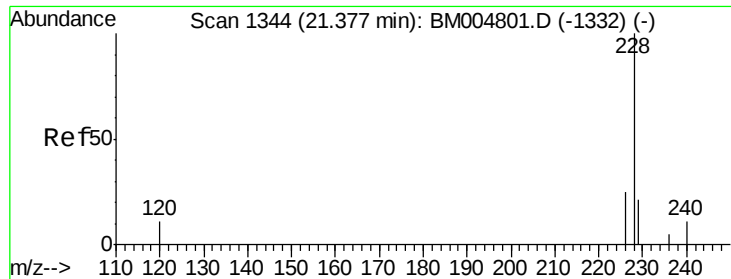


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.33 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BM004810.D

Acq: 28 Mar 2016 18:40

Instrument :

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ClientSampleId :

A4T46DL

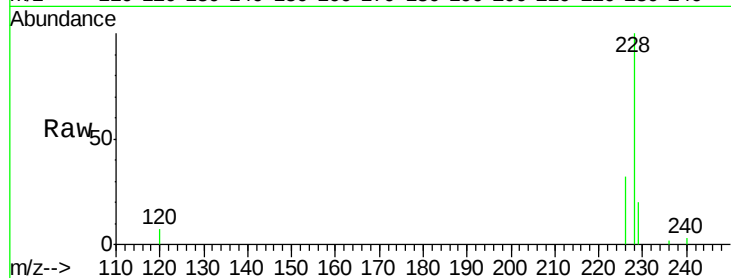
Tgt Ion:228 Resp: 6176

Ion Ratio Lower Upper

228 100

226 31.8 18.8 28.2#

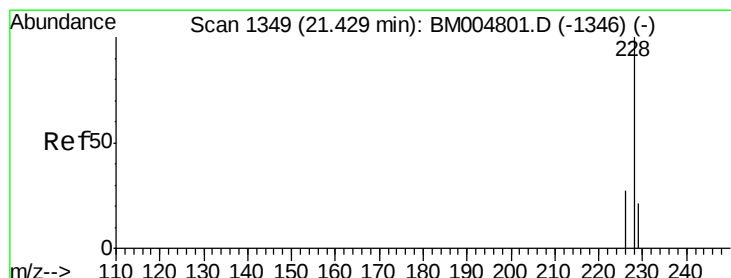
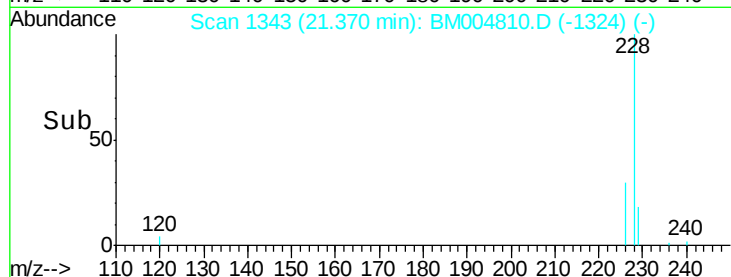
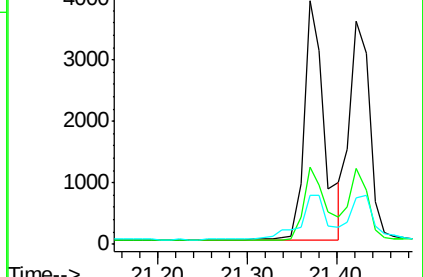
229 20.0 17.1 25.7



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: 0.31 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BM004810.D

Acq: 28 Mar 2016 18:40

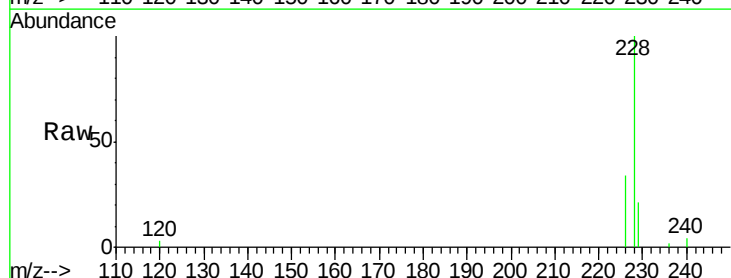
Tgt Ion:228 Resp: 5536

Ion Ratio Lower Upper

228 100

226 34.0 21.2 31.8#

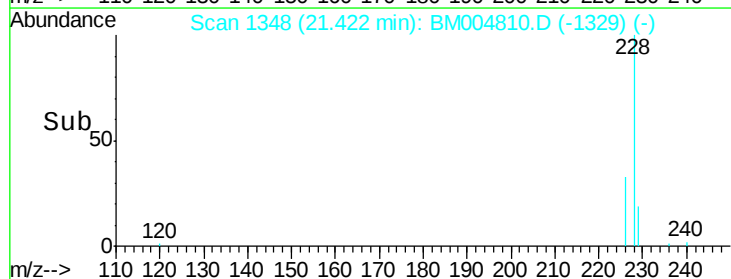
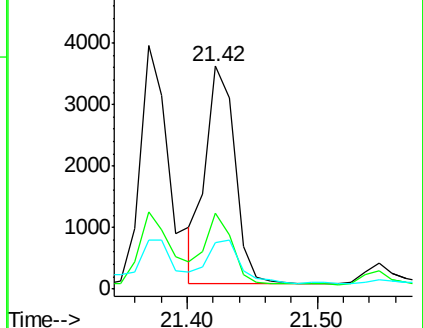
229 21.0 17.0 25.6

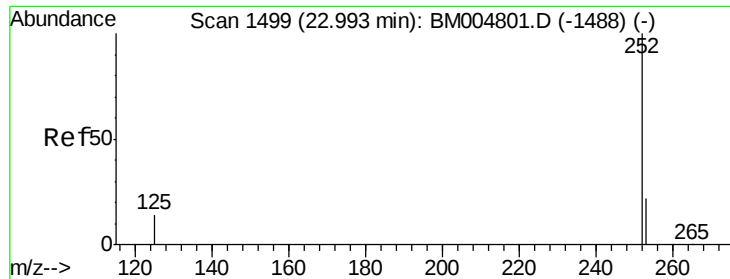


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.57 ng/ul

RT: 23.00 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BM004810.D

Acq: 28 Mar 2016 18:40

Instrument :

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ClientSampleId :

A4T46DL

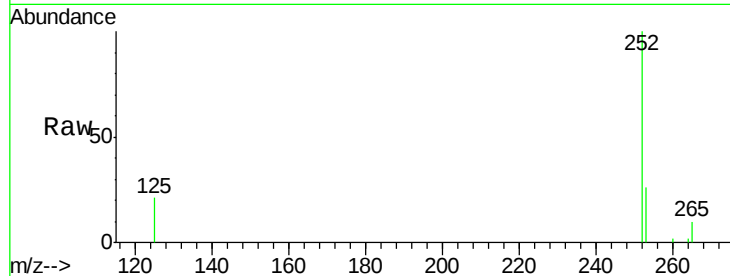
Tgt Ion:252 Resp: 10445

Ion Ratio Lower Upper

252 100

253 26.1 0.0 45.4

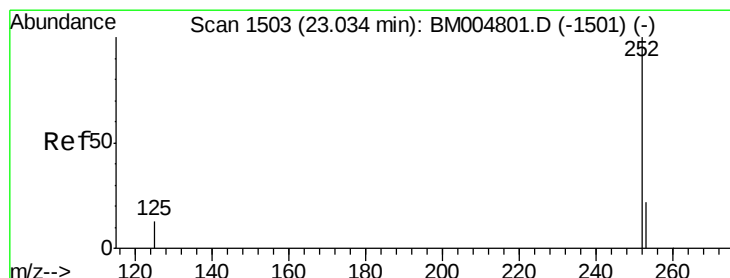
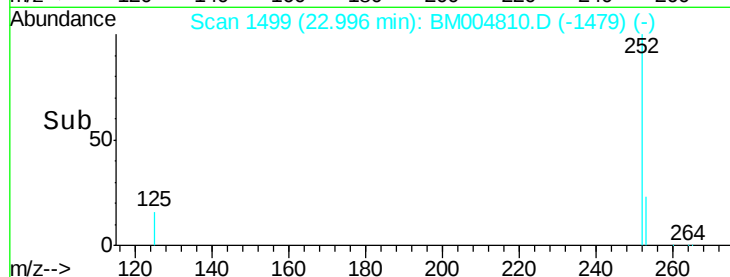
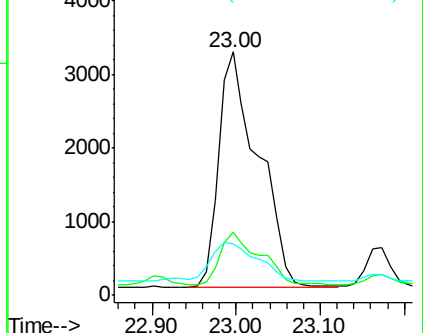
125 21.2 0.0 28.8



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: 0.62 ng/ul

RT: 23.00 min Scan# 1499

Delta R.T. -0.04 min

Lab File: BM004810.D

Acq: 28 Mar 2016 18:40

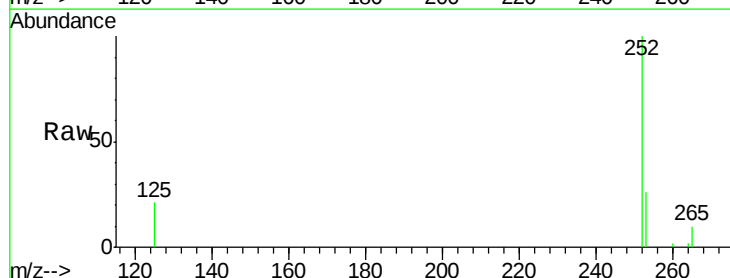
Tgt Ion:252 Resp: 10445

Ion Ratio Lower Upper

252 100

253 26.1 19.8 29.8

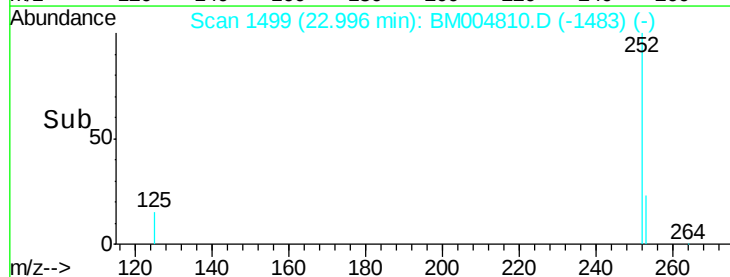
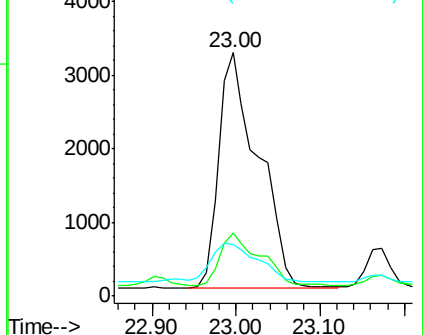
125 21.2 10.4 15.6#

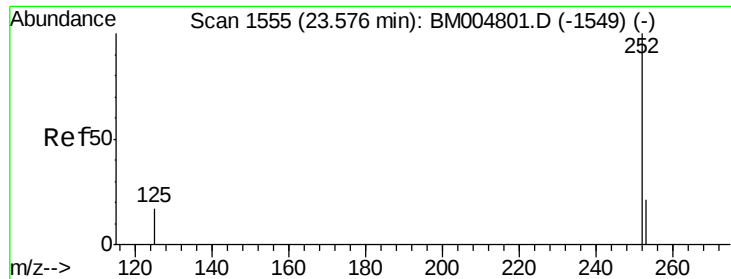


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.32 ng/ul

RT: 23.58 min Scan# 1555

Delta R.T. 0.00 min

Lab File: BM004810.D

Acq: 28 Mar 2016 18:40

Instrument :

BNA_M

ClientSampleId :

A4T46DL

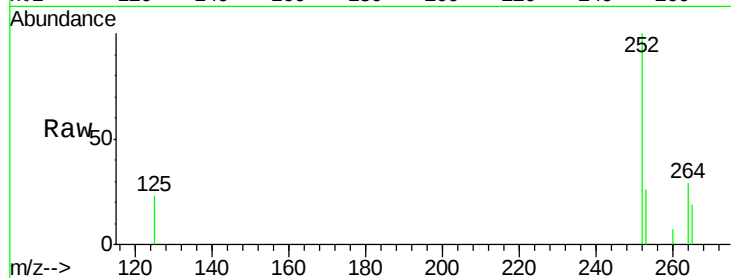
Tgt Ion: 252 Resp: 5253

Ion Ratio Lower Upper

252 100

253 26.2 19.4 29.2

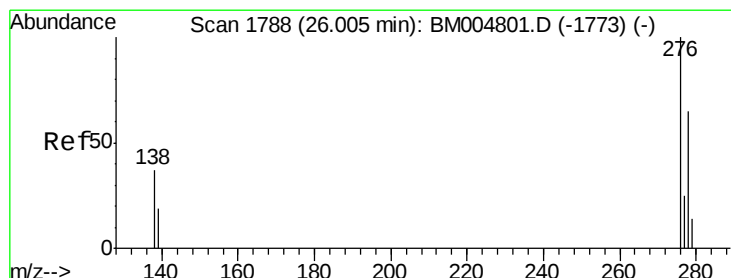
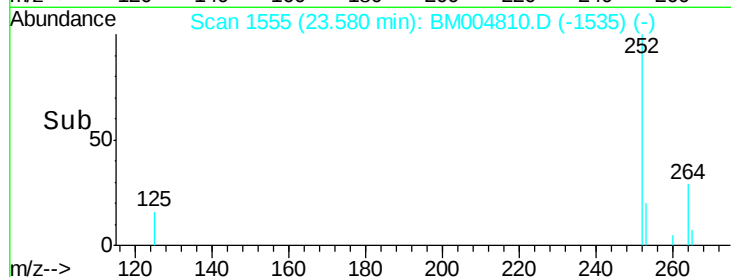
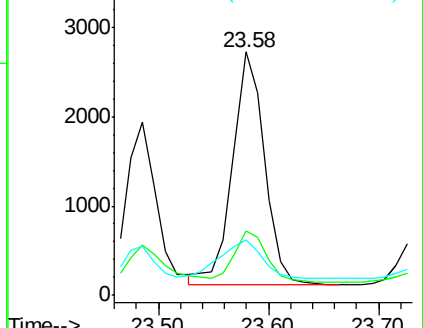
125 22.7 12.7 19.1#



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: 0.17 ng/ul

RT: 26.01 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BM004810.D

Acq: 28 Mar 2016 18:40

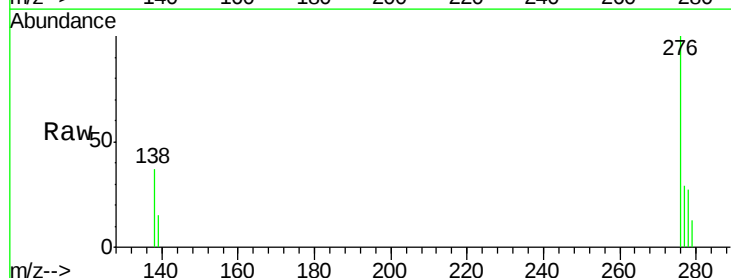
Tgt Ion: 276 Resp: 2643

Ion Ratio Lower Upper

276 100

138 32.4 16.3 24.5#

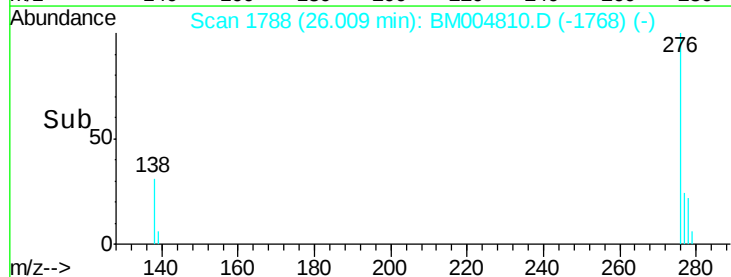
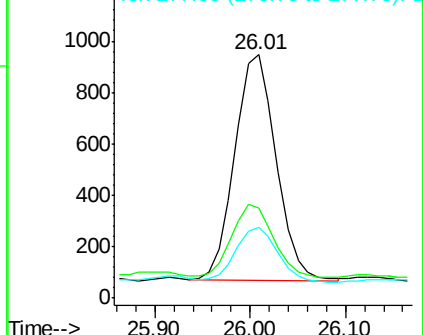
277 24.3 19.8 29.8

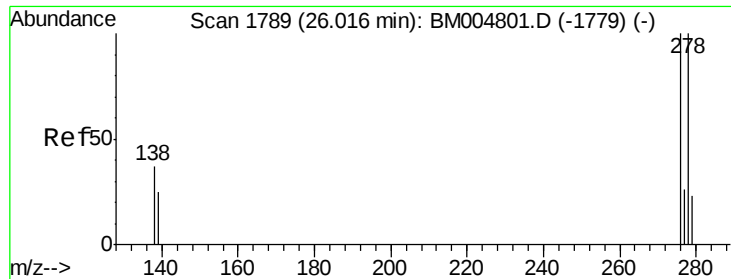


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

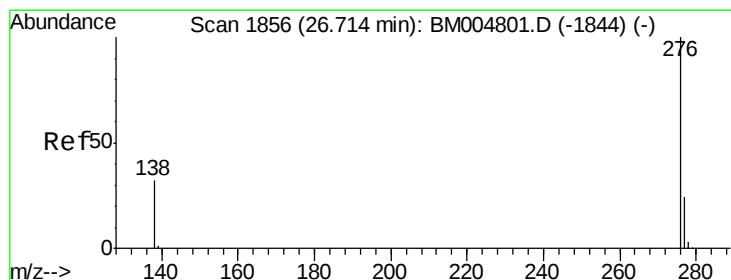
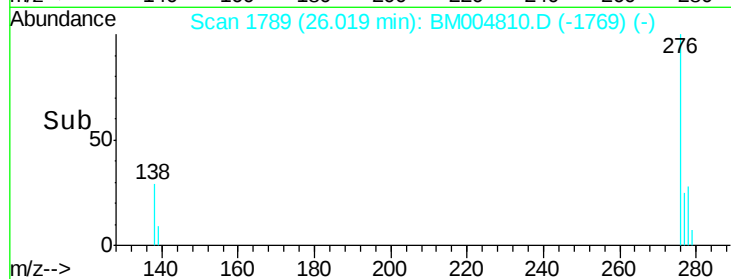
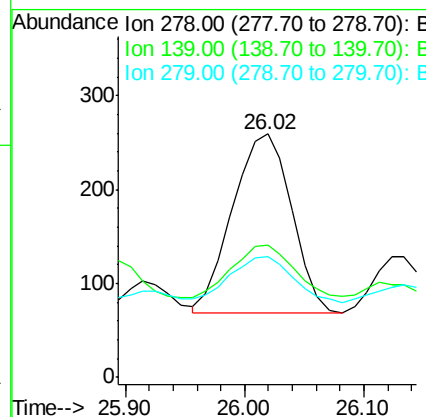
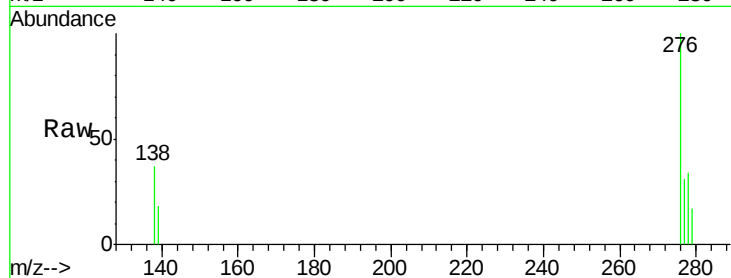




#27
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 26.02 min Scan# 1789
Delta R.T. 0.00 min
Lab File: BM004810.D
Acq: 28 Mar 2016 18:40

Instrument :
BNA_M
ClientSampleId :
A4T46DL

Tgt Ion: 278 Resp: 649
Ion Ratio Lower Upper
278 100
139 54.4 16.4 24.6#
279 49.4 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.18 ng/ul
RT: 26.72 min Scan# 1856
Delta R.T. 0.00 min
Lab File: BM004810.D
Acq: 28 Mar 2016 18:40

Tgt Ion: 276 Resp: 2315
Ion Ratio Lower Upper
276 100
277 29.2 18.9 28.3#
138 39.7 22.5 33.7#

