

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032816\
 Data File : BM004802.D
 Acq On : 28 Mar 2016 12:18
 Operator : UM/SJ
 Sample : H1909-09DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T45DL

Quant Time: Mar 29 03:08:06 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	1028	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	4603	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2599	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	5740	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	5731	5.00	ng/ul	0.00
22) Perylene-d12	23.69	264	5387	5.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	755	1.63	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	288	0.04	ng/ul	0.01
16) Fluoranthene-d10	19.24	212	669	0.05	ng/ul	0.00

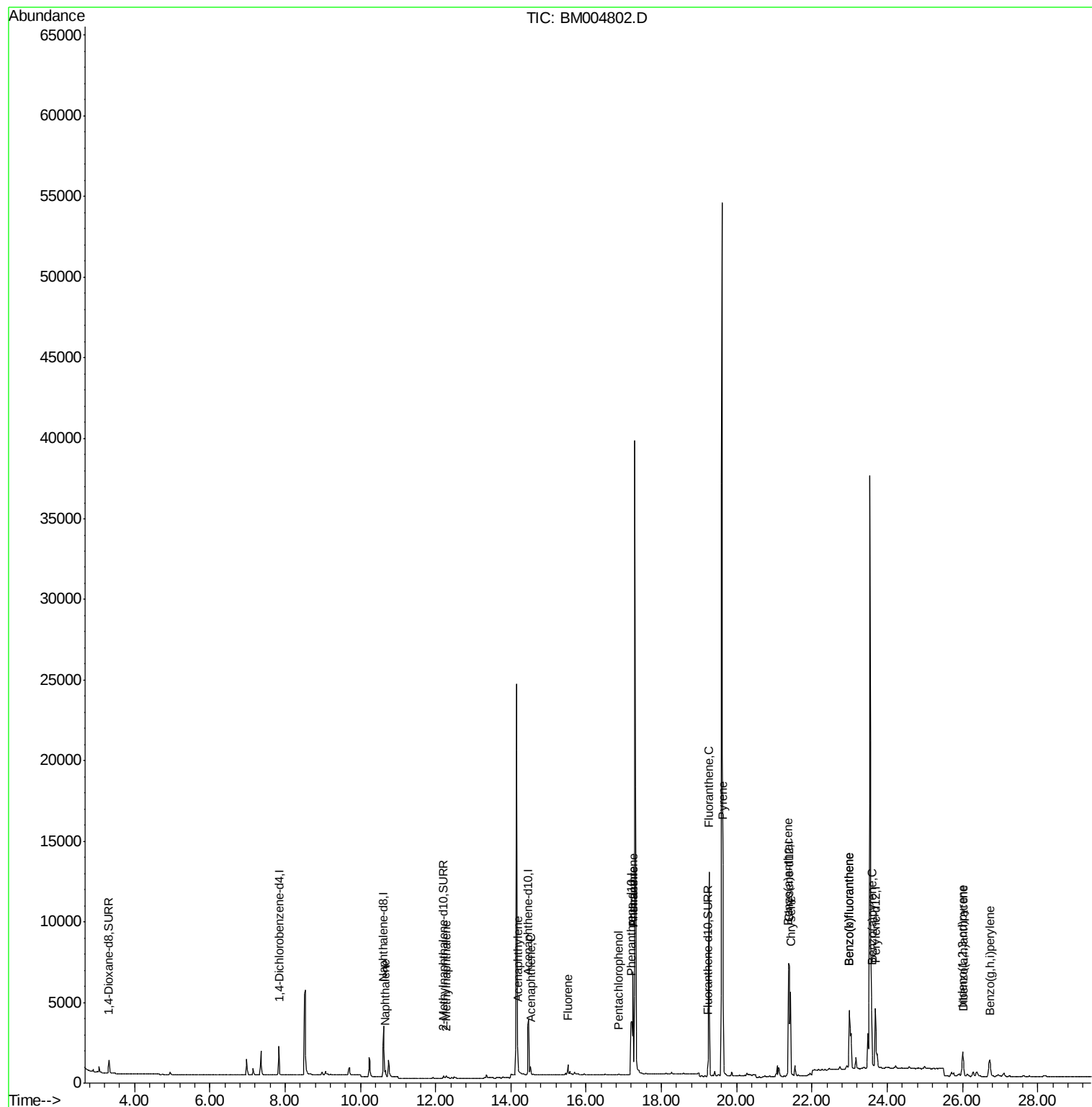
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	520	0.05	ng/ul#	65
7) 2-Methylnaphthalene	12.28	142	159	0.02	ng/ul	97
9) Acenaphthylene	14.18	152	401	0.03	ng/ul#	69
10) Acenaphthene	14.52	153	297	0.04	ng/ul#	85
11) Fluorene	15.51	166	563	0.06	ng/ul#	86
13) Pentachlorophenol	16.87	266	29	0.02	ng/ul#	59
14) Phenanthrene	17.24	178	7131	0.44	ng/ul	96
15) Anthracene	17.24	178	7129	0.47	ng/ul	97
17) Fluoranthene	19.27	202	11837	0.64	ng/ul	97
19) Pyrene	19.63	202	11460	0.58	ng/ul	97
20) Benzo(a)anthracene	21.38	228	5431	0.31	ng/ul#	93
21) Chrysene	21.43	228	5230	0.31	ng/ul	94
23) Benzo(b)fluoranthene	22.99	252	8822	0.49	ng/ul	89
24) Benzo(k)fluoranthene	22.99	252	8822	0.52	ng/ul#	91
25) Benzo(a)pyrene	23.59	252	4656	0.28	ng/ul#	90
26) Indeno(1,2,3-cd)pyrene	26.01	276	2353	0.15	ng/ul#	87
27) Dibenzo(a,h)anthracene	26.02	278	597	0.05	ng/ul#	39
28) Benzo(g,h,i)perylene	26.72	276	2157	0.17	ng/ul#	83

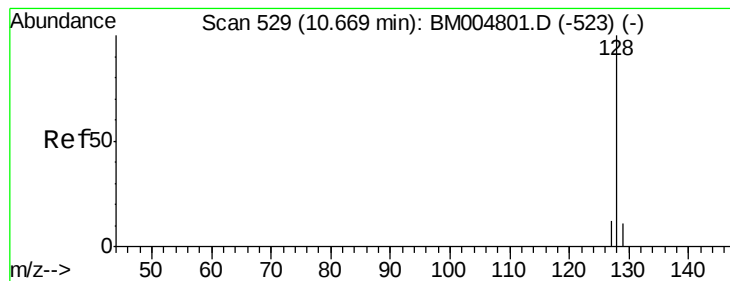
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM004802.D

Acq: 28 Mar 2016 12:18

Instrument :

BNA_M

ClientSampleId :

A4T45DL

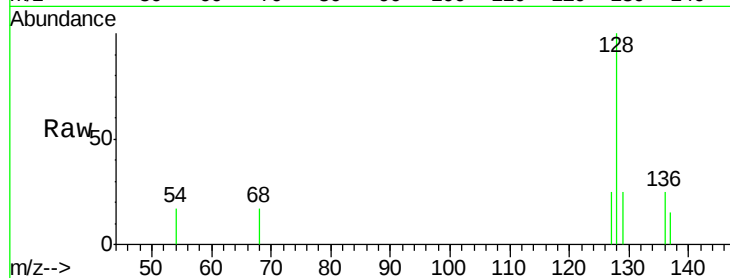
Tgt Ion:128 Resp: 520

Ion Ratio Lower Upper

128 100

129 25.4 9.0 13.6#

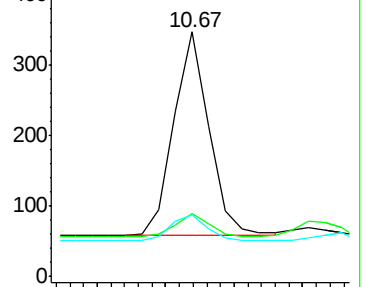
127 24.8 9.6 14.4#



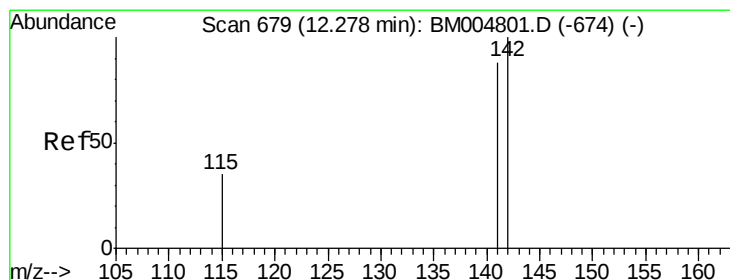
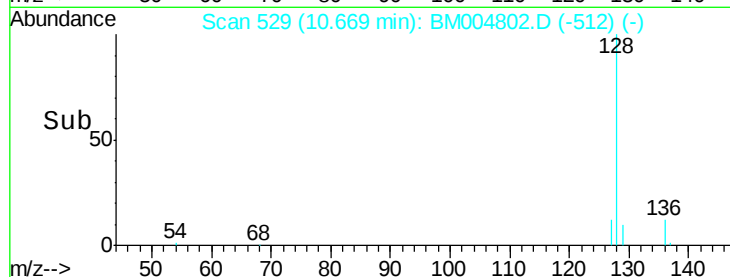
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#7

2-Methylnaphthalene

Concen: 0.02 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004802.D

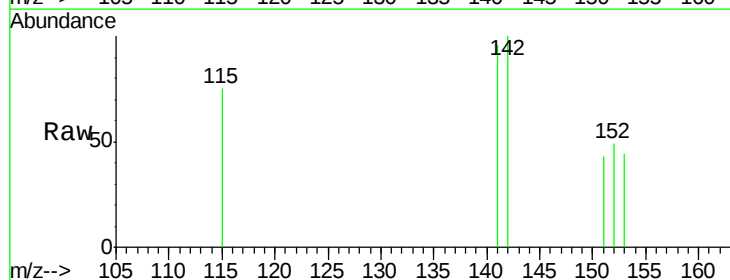
Acq: 28 Mar 2016 12:18

Tgt Ion:142 Resp: 159

Ion Ratio Lower Upper

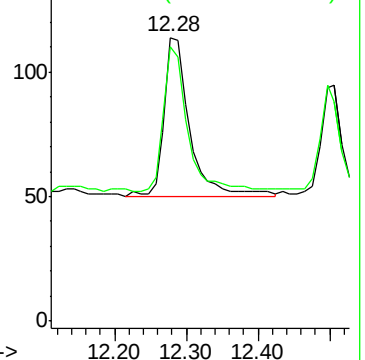
142 100

141 85.5 70.3 105.5

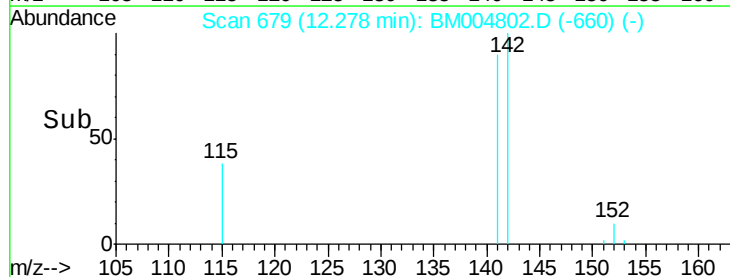


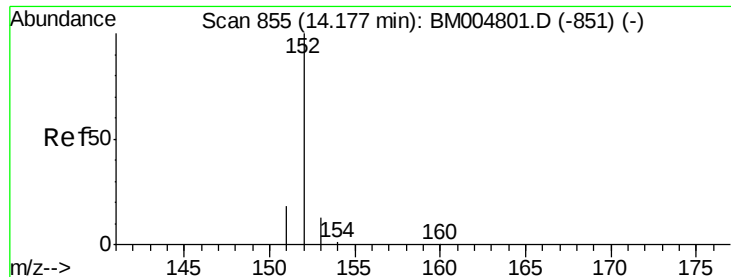
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#9

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004802.D

Acq: 28 Mar 2016 12:18

Instrument :

BNA_M

ClientSampleId :

A4T45DL

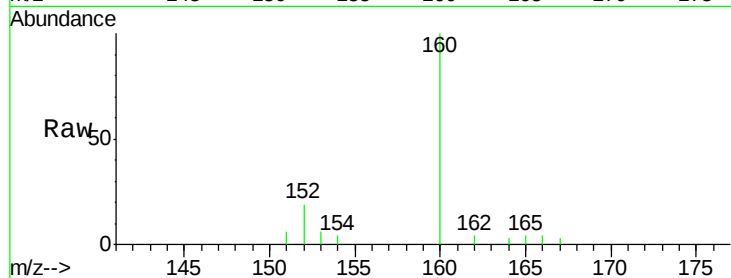
Tgt Ion:152 Resp: 401

Ion Ratio Lower Upper

152 100

151 33.2 17.6 26.4#

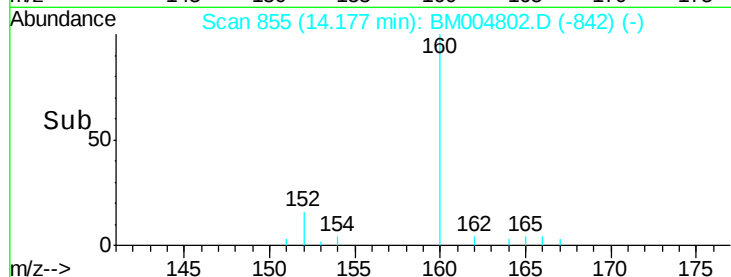
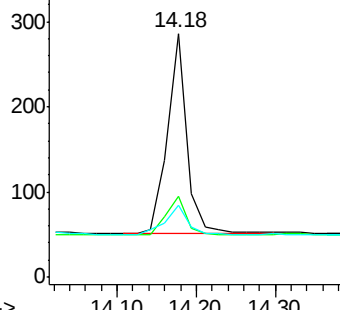
153 29.4 9.7 14.5#



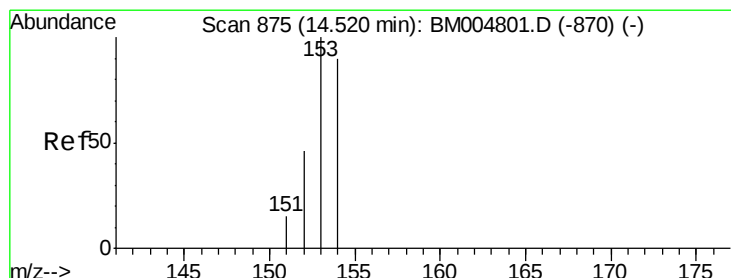
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#10

Acenaphthene

Concen: 0.04 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004802.D

Acq: 28 Mar 2016 12:18

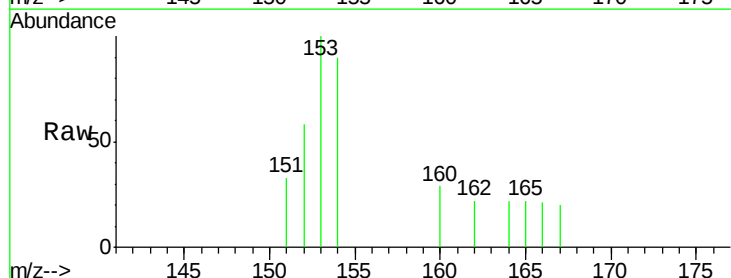
Tgt Ion:153 Resp: 297

Ion Ratio Lower Upper

153 100

152 58.4 33.9 50.9#

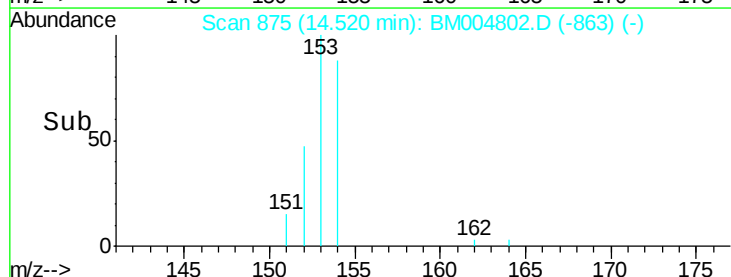
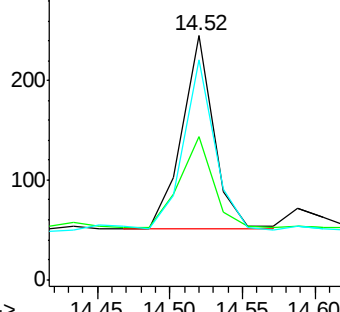
154 90.2 80.6 121.0



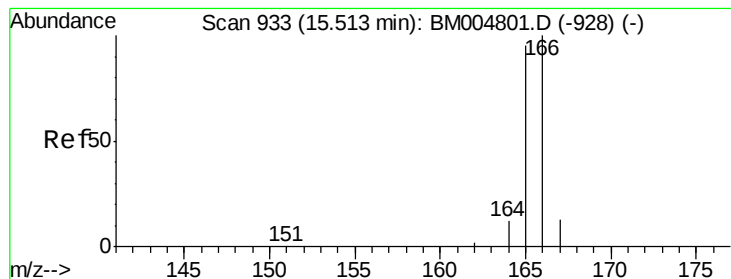
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#11

Fluorene

Concen: 0.06 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.00 min

Lab File: BM004802.D

Acq: 28 Mar 2016 12:18

Instrument :

BNA_M

ClientSampleId :

A4T45DL

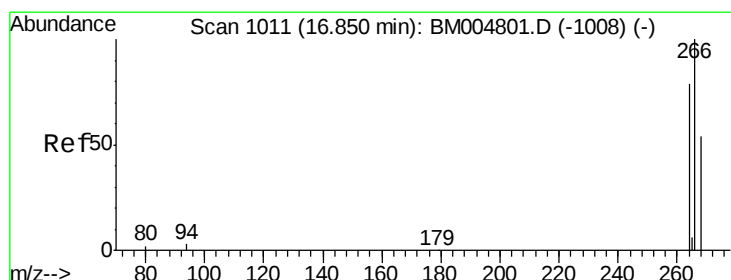
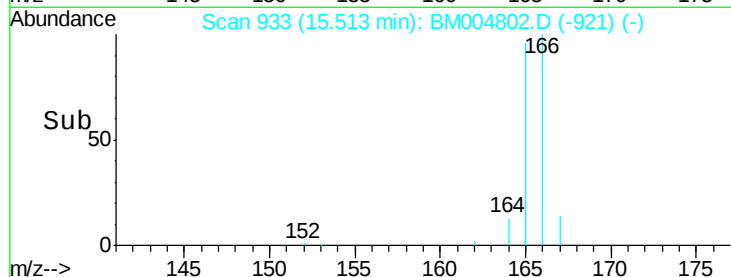
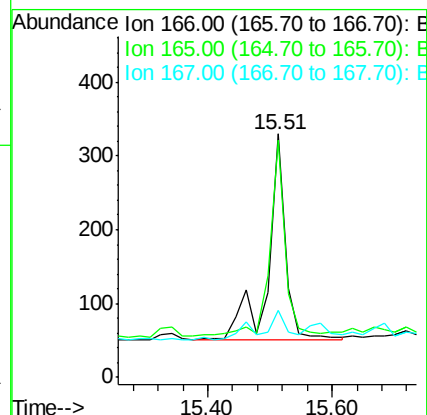
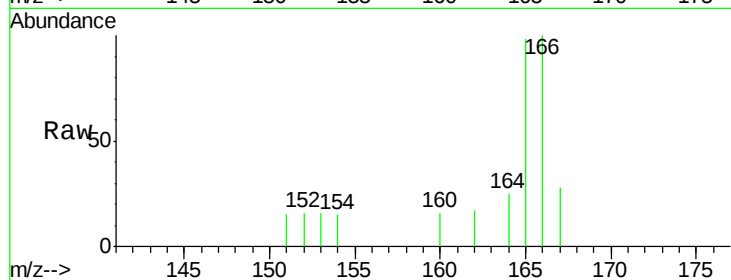
Tgt Ion:166 Resp: 563

Ion Ratio Lower Upper

166 100

165 97.6 69.6 104.4

167 27.6 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.02 ng/ul

RT: 16.87 min Scan# 1012

Delta R.T. 0.02 min

Lab File: BM004802.D

Acq: 28 Mar 2016 12:18

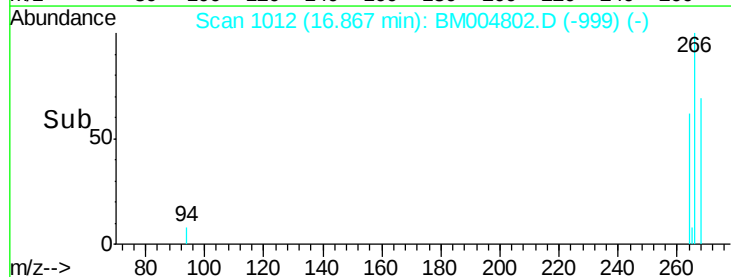
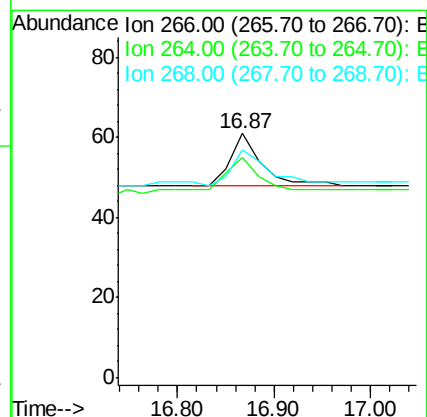
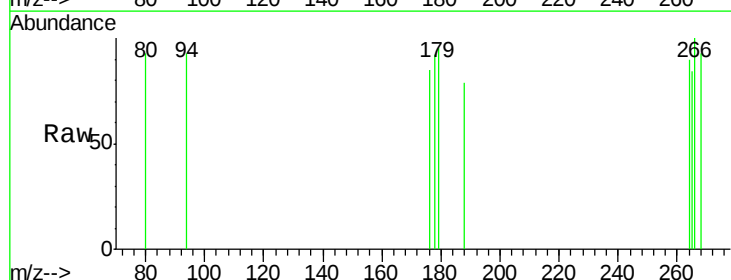
Tgt Ion:266 Resp: 29

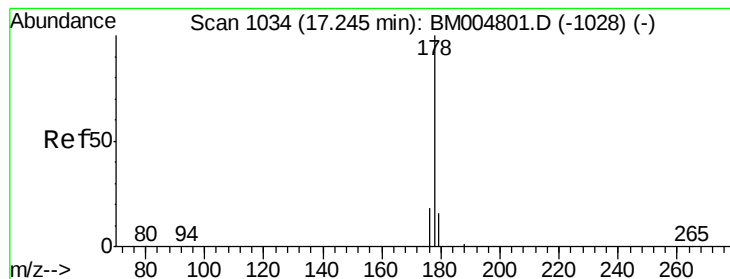
Ion Ratio Lower Upper

266 100

264 100.0 51.8 77.8#

268 86.2 46.8 70.2#





#14

Phenanthrene

Concen: 0.44 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM004802.D

Acq: 28 Mar 2016 12:18

Instrument :

BNA_M

ClientSampleId :

A4T45DL

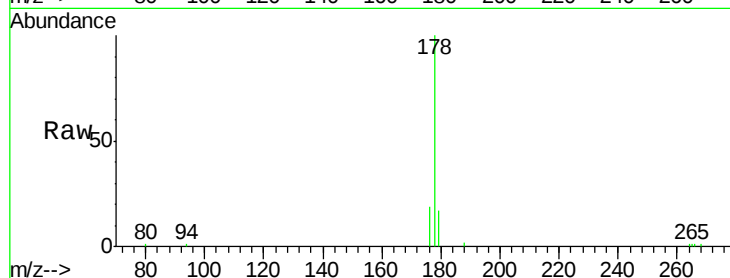
Tgt Ion:178 Resp: 7131

Ion Ratio Lower Upper

178 100

176 18.9 13.0 19.4

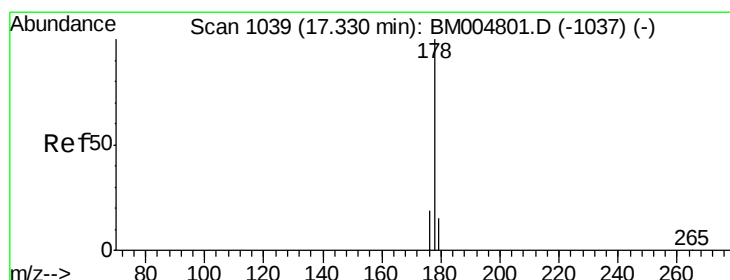
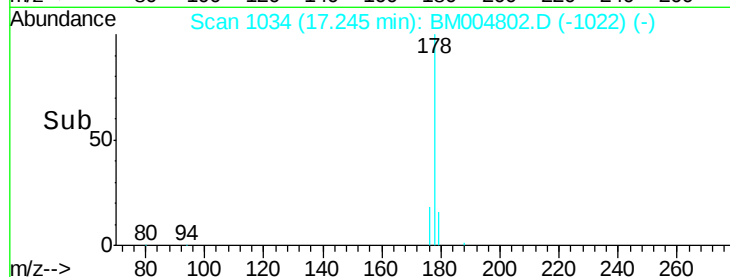
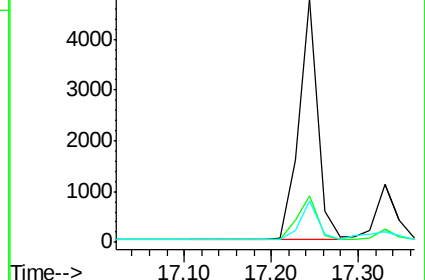
179 16.9 14.2 21.2



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: 0.47 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.09 min

Lab File: BM004802.D

Acq: 28 Mar 2016 12:18

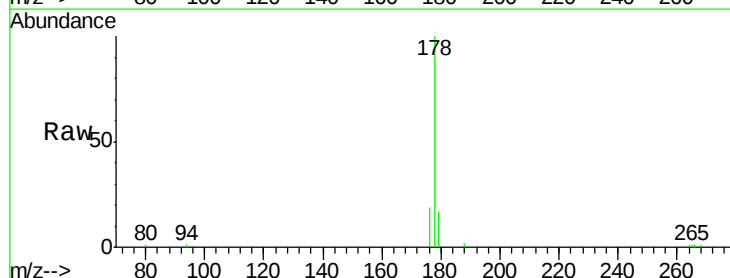
Tgt Ion:178 Resp: 7129

Ion Ratio Lower Upper

178 100

176 18.9 14.0 21.0

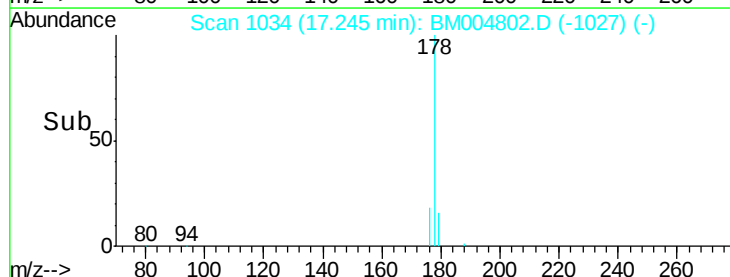
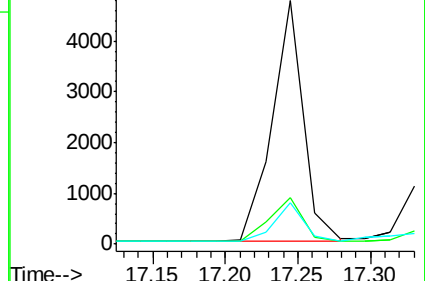
179 16.9 12.9 19.3

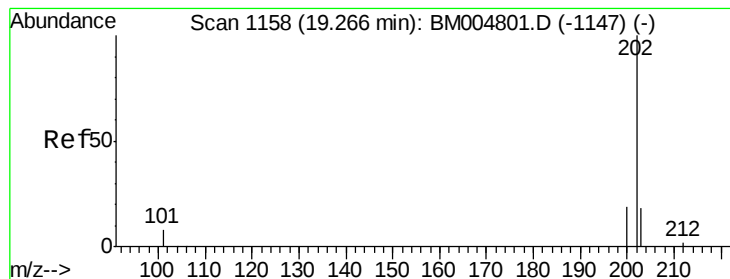


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.64 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BM004802.D

Acq: 28 Mar 2016 12:18

Instrument :

BNA_M

ClientSampleId :

A4T45DL

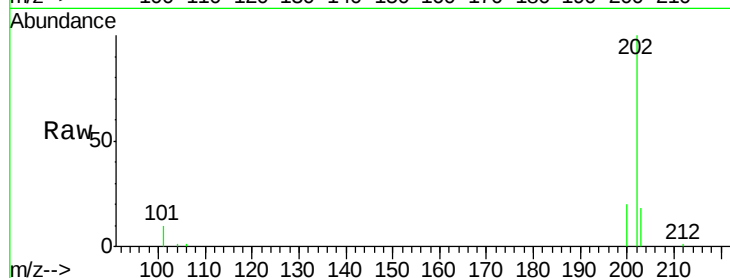
Tgt Ion:202 Resp: 11837

Ion Ratio Lower Upper

202 100

101 10.1 0.0 29.6

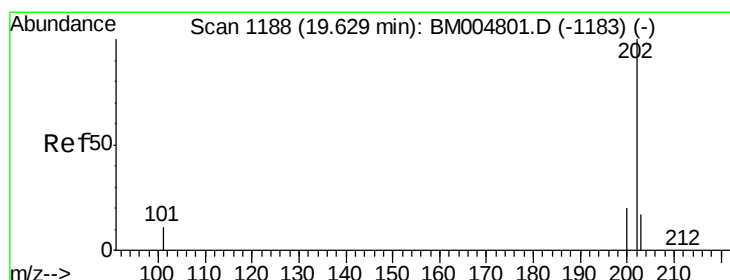
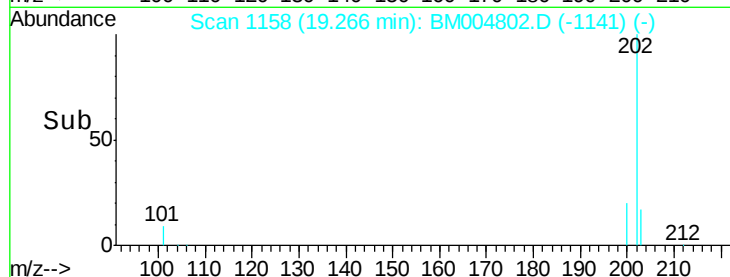
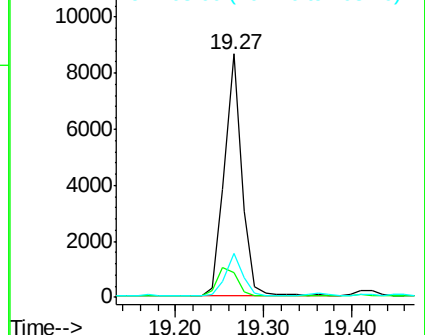
203 17.8 0.0 36.3



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: 0.58 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BM004802.D

Acq: 28 Mar 2016 12:18

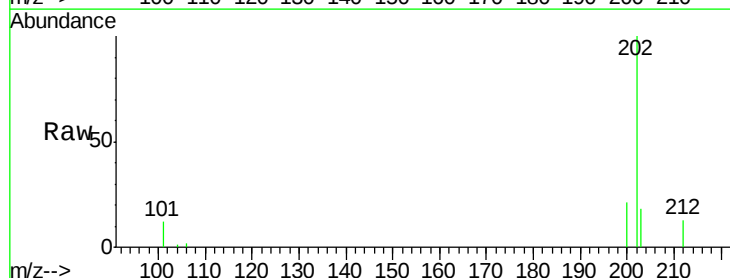
Tgt Ion:202 Resp: 11460

Ion Ratio Lower Upper

202 100

200 21.1 17.8 26.8

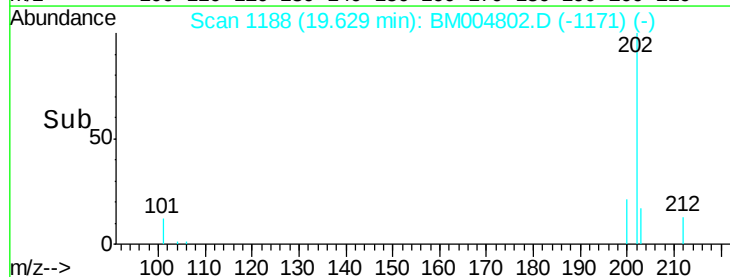
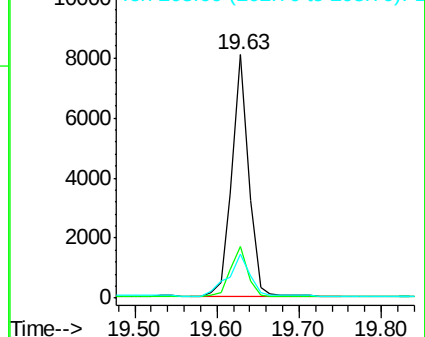
203 18.0 12.8 19.2

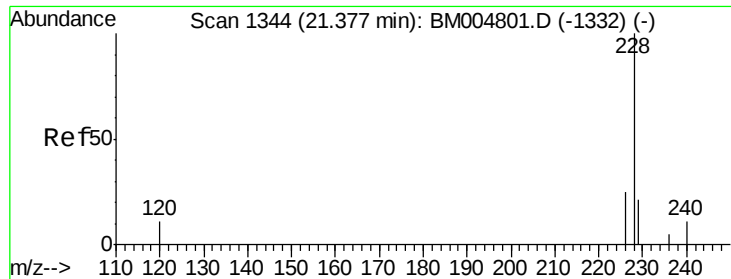


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.31 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BM004802.D

Acq: 28 Mar 2016 12:18

Instrument :

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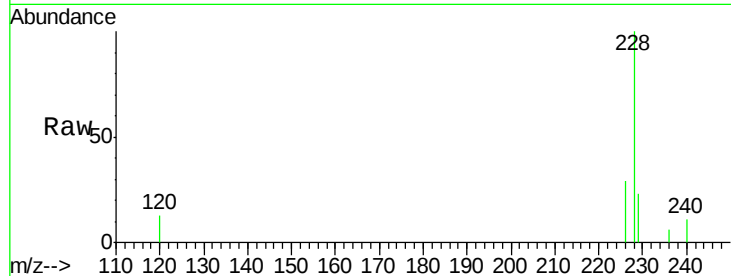
Tgt Ion:228 Resp: 5431

Ion Ratio Lower Upper

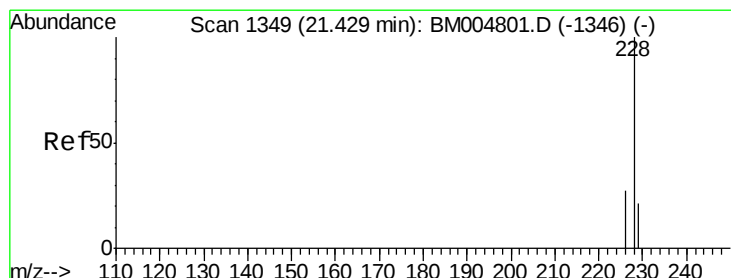
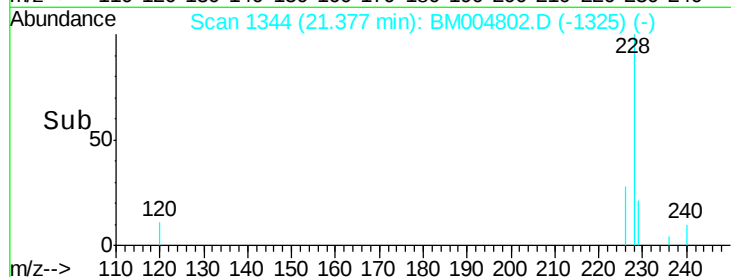
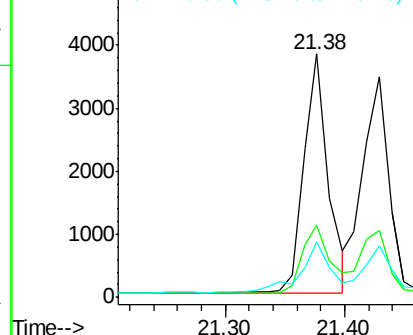
228 100

226 29.4 18.8 28.2#

229 22.5 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: 0.31 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BM004802.D

Acq: 28 Mar 2016 12:18

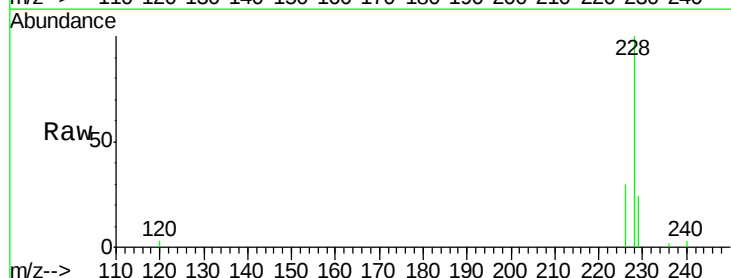
Tgt Ion:228 Resp: 5230

Ion Ratio Lower Upper

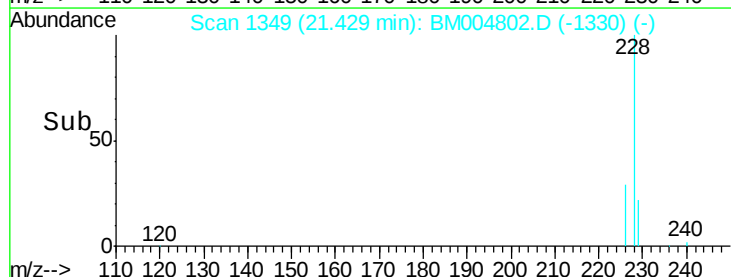
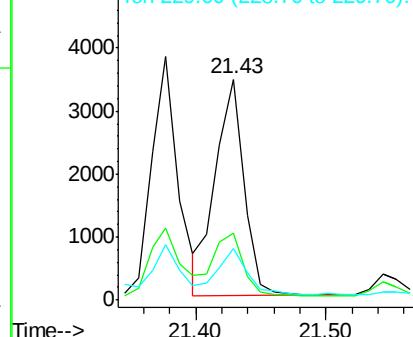
228 100

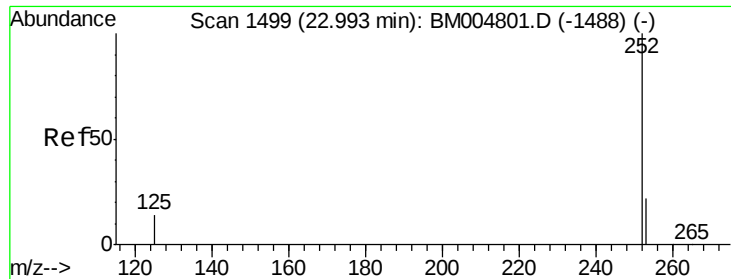
226 30.1 21.2 31.8

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: 0.49 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BM004802.D

Acq: 28 Mar 2016 12:18

Instrument :

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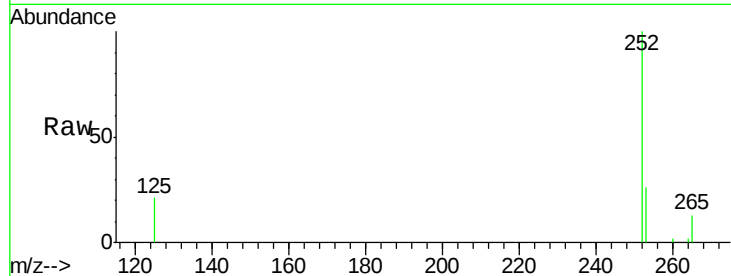
Tgt Ion:252 Resp: 8822

Ion Ratio Lower Upper

252 100

253 26.0 0.0 45.4

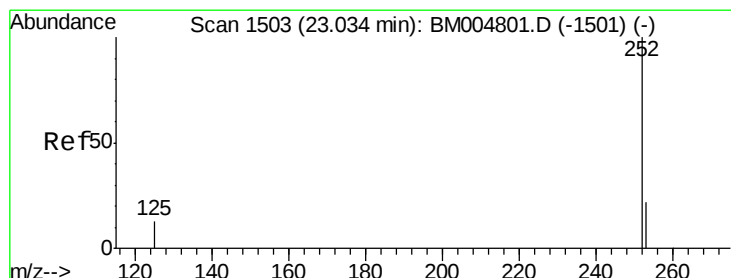
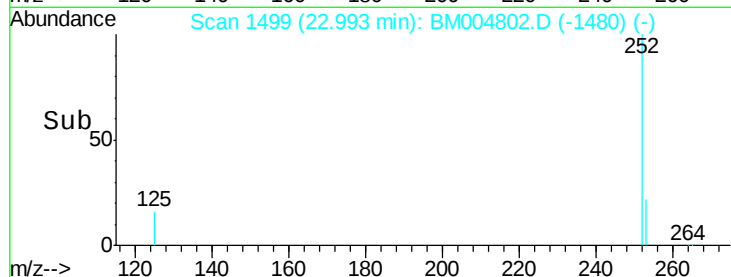
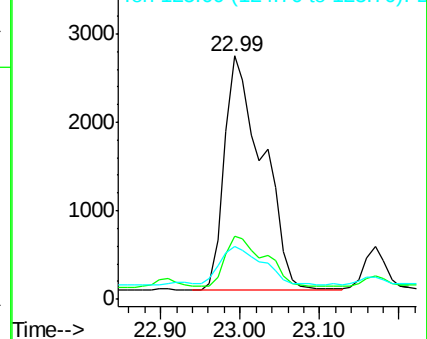
125 21.4 0.0 28.8



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: 0.52 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. -0.04 min

Lab File: BM004802.D

Acq: 28 Mar 2016 12:18

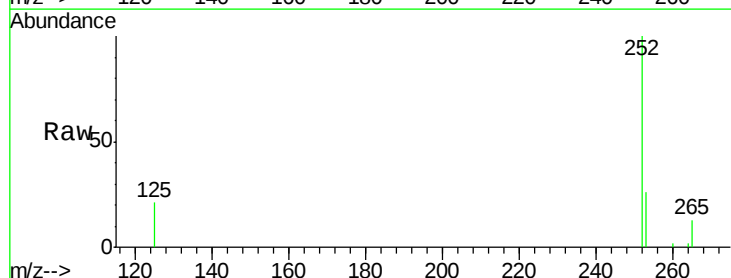
Tgt Ion:252 Resp: 8822

Ion Ratio Lower Upper

252 100

253 26.0 19.8 29.8

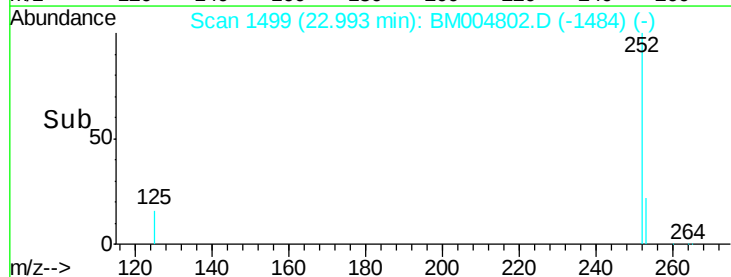
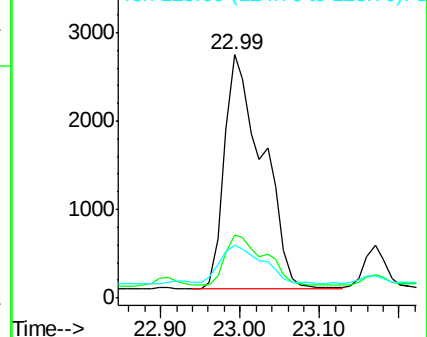
125 21.4 10.4 15.6#

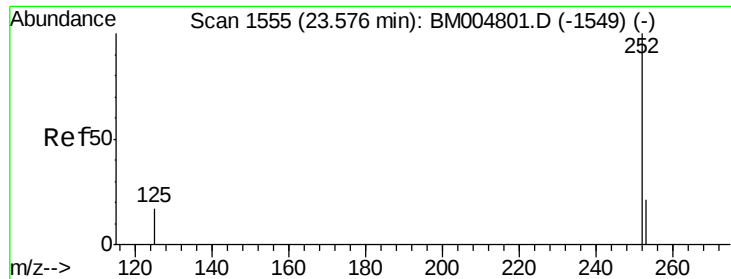


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.28 ng/ul

RT: 23.59 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BM004802.D

Acq: 28 Mar 2016 12:18

Instrument :

BNA_M

ClientSampleId :

A4T45DL

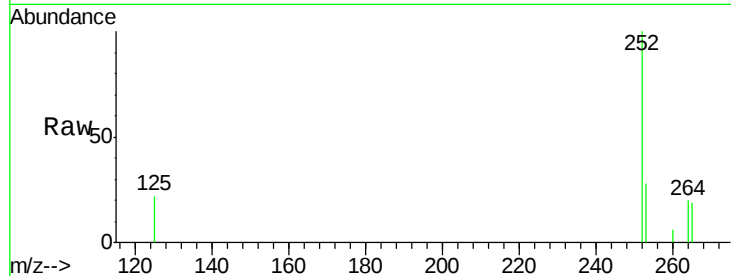
Tgt Ion: 252 Resp: 4656

Ion Ratio Lower Upper

252 100

253 28.0 19.4 29.2

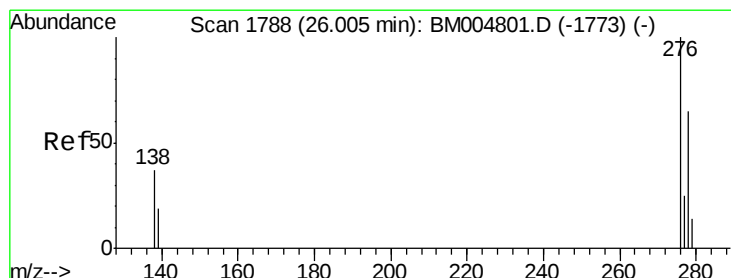
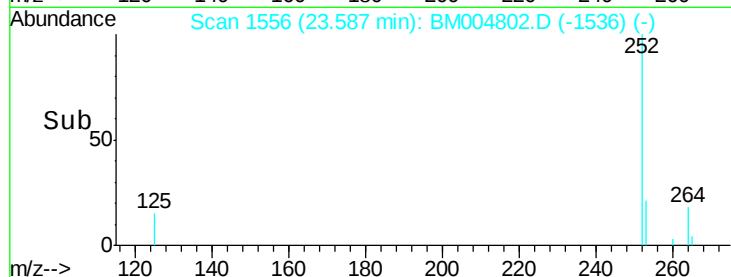
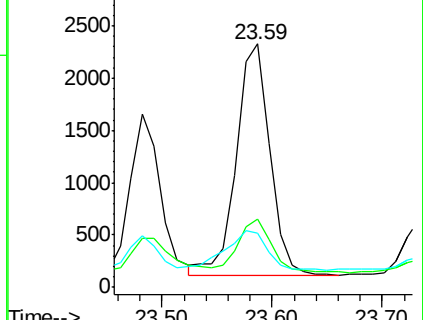
125 22.1 12.7 19.1#



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: 0.15 ng/ul

RT: 26.01 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BM004802.D

Acq: 28 Mar 2016 12:18

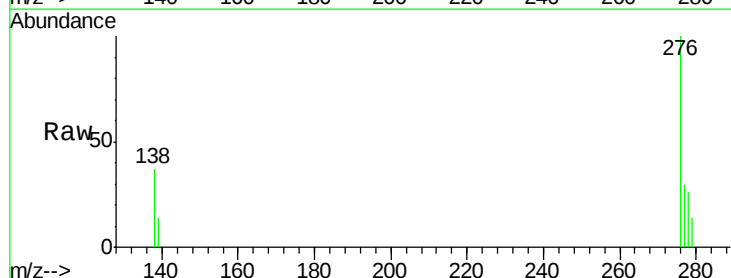
Tgt Ion: 276 Resp: 2353

Ion Ratio Lower Upper

276 100

138 32.3 16.3 24.5#

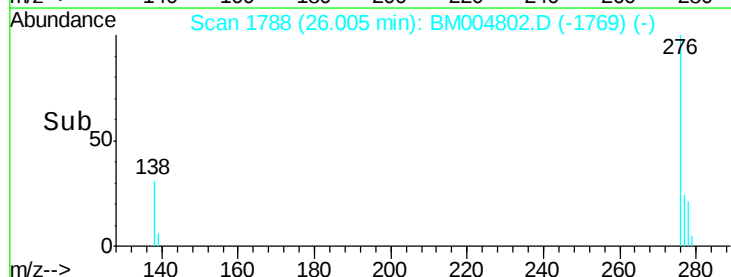
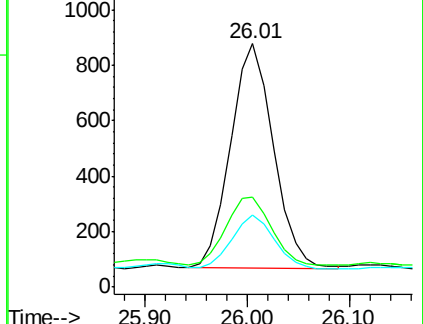
277 23.7 19.8 29.8

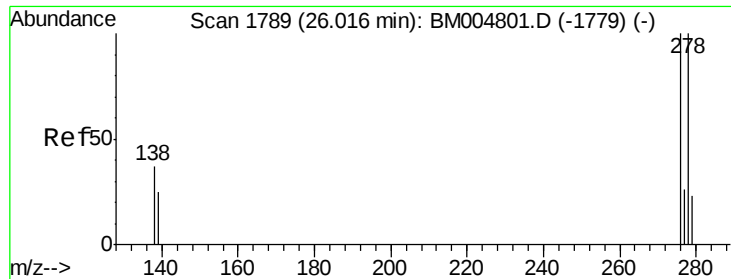


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



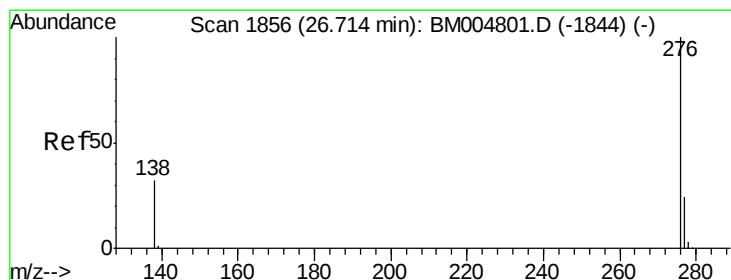
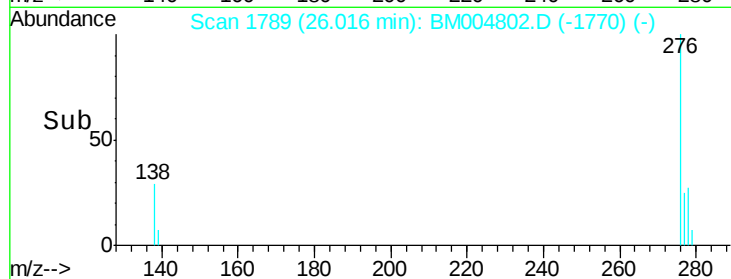
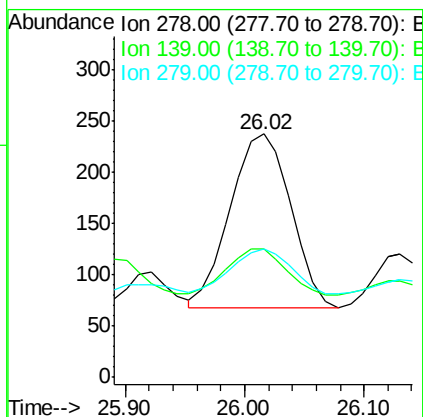
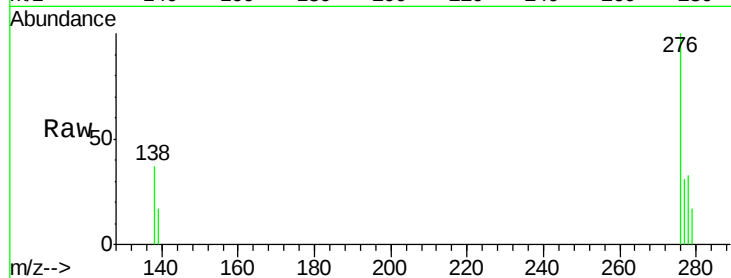


#27
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 26.02 min Scan# 1789
Delta R.T. 0.00 min
Lab File: BM004802.D
Acq: 28 Mar 2016 12:18

Instrument :
BNA_M
ClientSampleId :
A4T45DL

Tgt Ion: 278 Resp: 597

Ion	Ratio	Lower	Upper
278	100		
139	52.9	16.4	24.6#
279	52.5	20.2	30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.17 ng/ul
RT: 26.72 min Scan# 1857
Delta R.T. 0.01 min
Lab File: BM004802.D
Acq: 28 Mar 2016 12:18

Tgt Ion: 276 Resp: 2157

Ion	Ratio	Lower	Upper
276	100		
277	30.7	18.9	28.3#
138	38.6	22.5	33.7#

