

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032816\
 Data File : BM004809.D
 Acq On : 28 Mar 2016 18:04
 Operator : UM/SJ
 Sample : H1909-04DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T40DL

Quant Time: Mar 29 04:29:30 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	894	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	3998	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2282	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	5151	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	5696	5.00	ng/ul	0.00
22) Perylene-d12	23.69	264	5551	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	729	1.81	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	304	0.05	ng/ul	0.01
16) Fluoranthene-d10	19.23	212	786	0.06	ng/ul	0.00

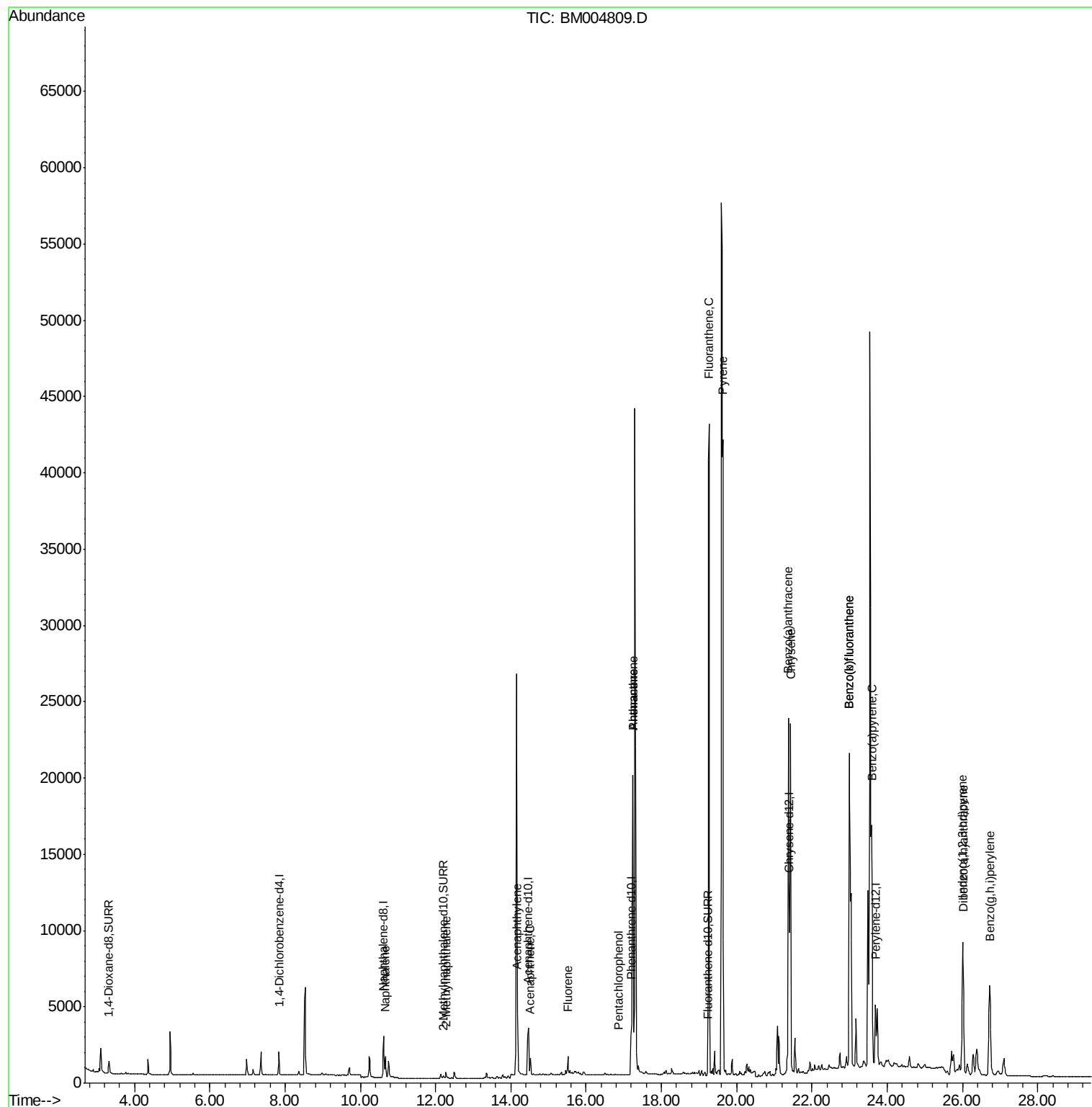
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	1951	0.20	ng/ul#	89
7) 2-Methylnaphthalene	12.28	142	380	0.05	ng/ul	99
9) Acenaphthylene	14.18	152	3158	0.30	ng/ul#	95
10) Acenaphthene	14.52	153	667	0.09	ng/ul#	86
11) Fluorene	15.51	166	1121	0.13	ng/ul#	86
13) Pentachlorophenol	16.87	266	15	0.01	ng/ul#	52
14) Phenanthrene	17.24	178	21473	1.48	ng/ul	95
15) Anthracene	17.24	178	21461	1.57	ng/ul	98
17) Fluoranthene	19.27	202	47586	2.89	ng/ul	93
19) Pyrene	19.63	202	42444	2.18	ng/ul	93
20) Benzo(a)anthracene	21.38	228	23114	1.32	ng/ul	95
21) Chrysene	21.43	228	23690	1.40	ng/ul	96
23) Benzo(b)fluoranthene	23.00	252	47647	2.55	ng/ul	98
24) Benzo(k)fluoranthene	23.00	252	47647	2.75	ng/ul#	94
25) Benzo(a)pyrene	23.59	252	22067	1.29	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	26.01	276	13428	0.85	ng/ul#	88
27) Dibenzo(a,h)anthracene	26.02	278	3277	0.26	ng/ul#	80
28) Benzo(g,h,i)perylene	26.73	276	11751	0.90	ng/ul	94

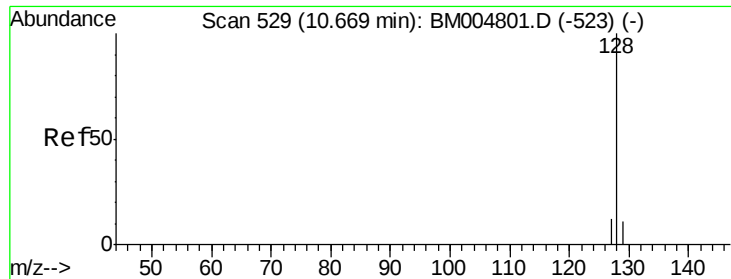
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032816\
Data File : BM004809.D
Acq On : 28 Mar 2016 18:04
Operator : UM/SJ
Sample : H1909-04DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4T40DL

Quant Time: Mar 29 04:29:30 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





#5

Naphthalene

Concen: 0.20 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004809.D

Acq: 28 Mar 2016 18:04

Instrument :

BNA_M

ClientSampleId :

A4T40DL

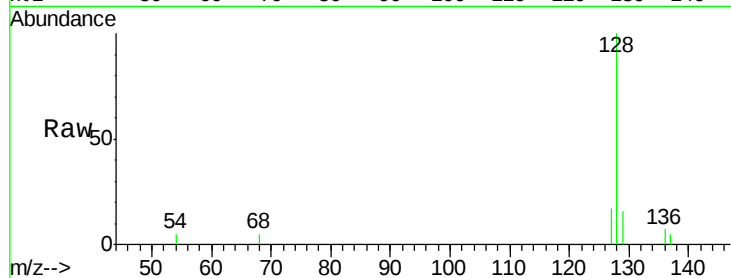
Tgt Ion:128 Resp: 1951

Ion Ratio Lower Upper

128 100

129 15.6 9.0 13.6#

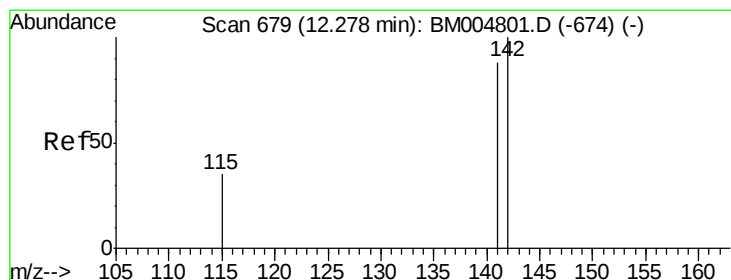
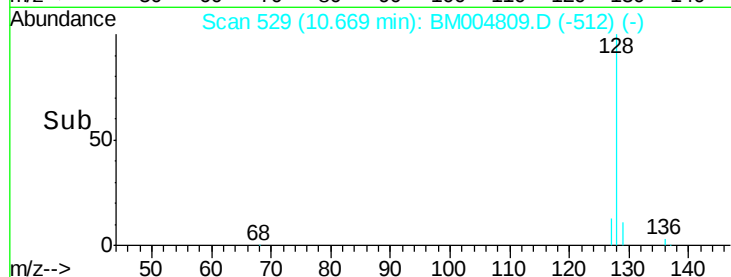
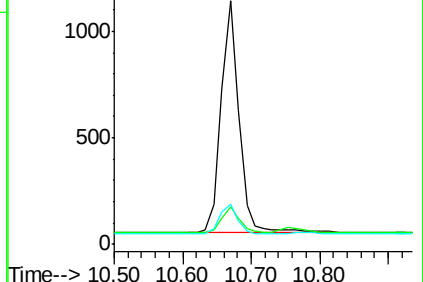
127 16.5 9.6 14.4#



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: 0.05 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004809.D

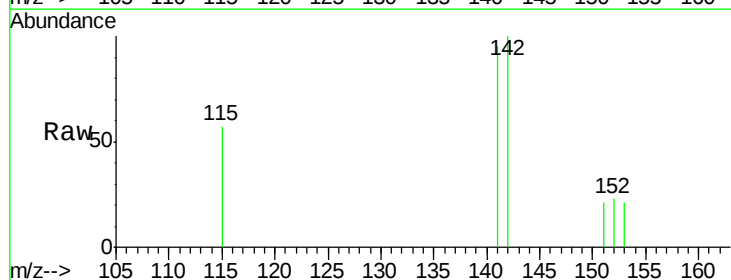
Acq: 28 Mar 2016 18:04

Tgt Ion:142 Resp: 380

Ion Ratio Lower Upper

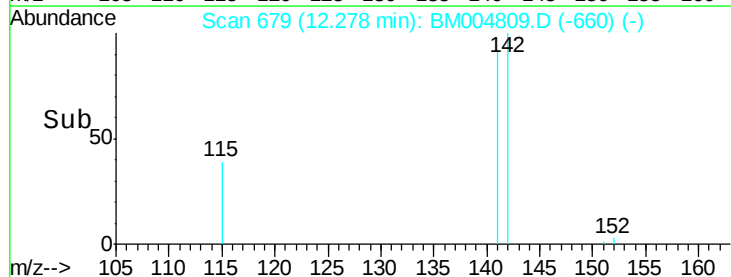
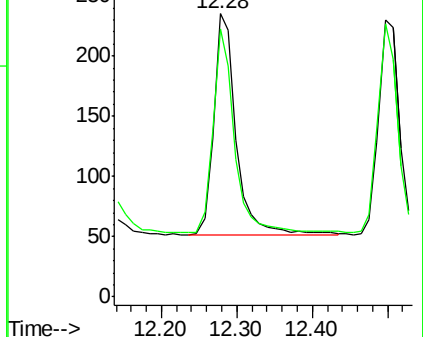
142 100

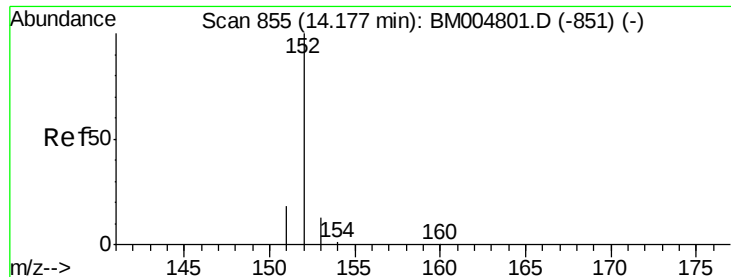
141 87.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.30 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004809.D

Acq: 28 Mar 2016 18:04

Instrument :

BNA_M

ClientSampleId :

A4T40DL

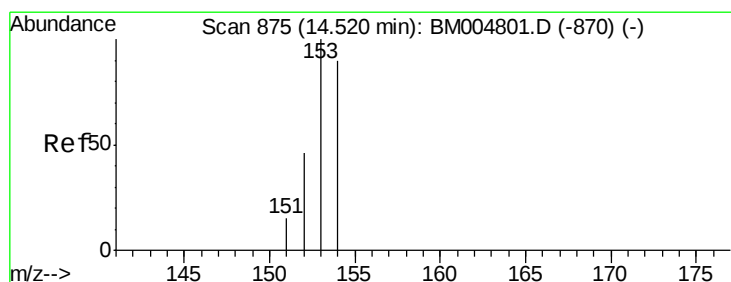
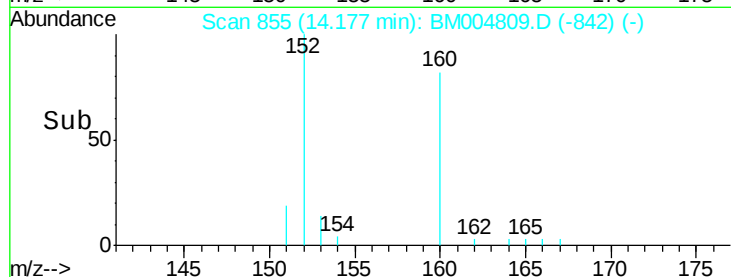
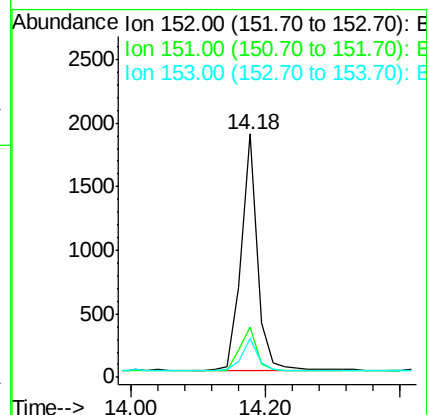
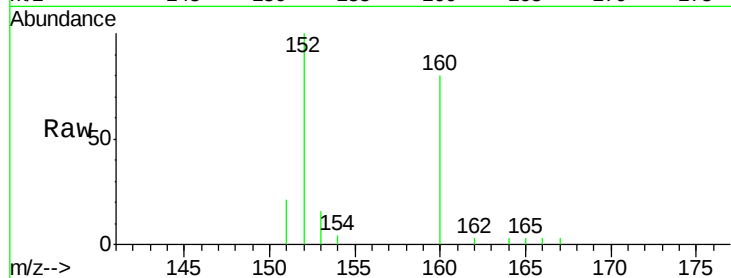
Tgt Ion:152 Resp: 3158

Ion Ratio Lower Upper

152 100

151 20.8 17.6 26.4

153 15.9 9.7 14.5#



#10

Acenaphthene

Concen: 0.09 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004809.D

Acq: 28 Mar 2016 18:04

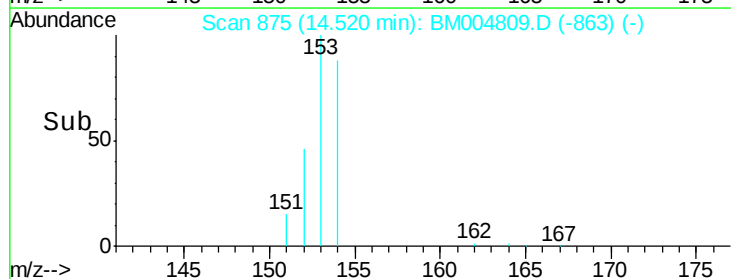
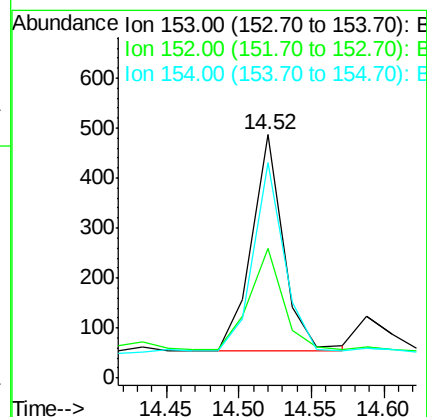
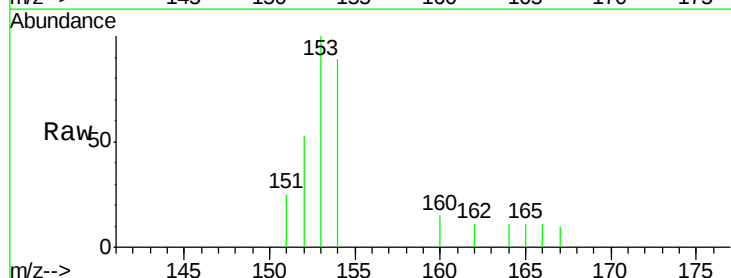
Tgt Ion:153 Resp: 667

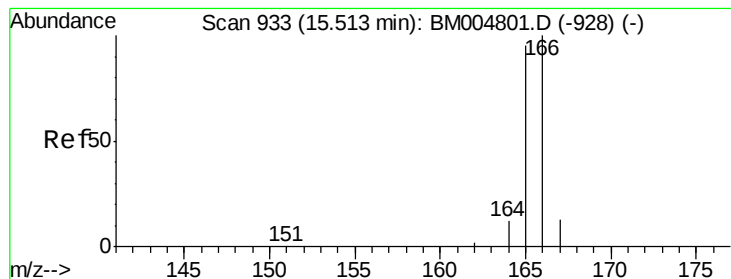
Ion Ratio Lower Upper

153 100

152 53.2 33.9 50.9#

154 88.5 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: BM004809.D

Acq: 28 Mar 2016 18:04

Instrument :

BNA_M

ClientSampleId :

A4T40DL

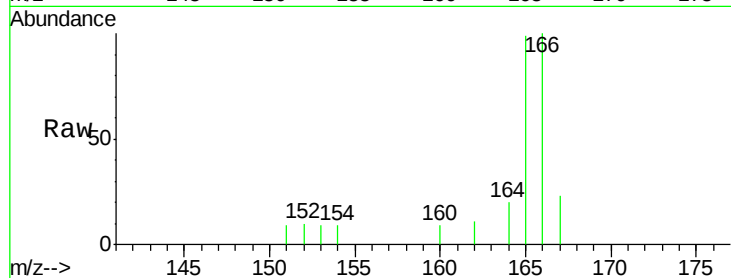
Tgt Ion:166 Resp: 1121

Ion Ratio Lower Upper

166 100

165 98.6 69.6 104.4

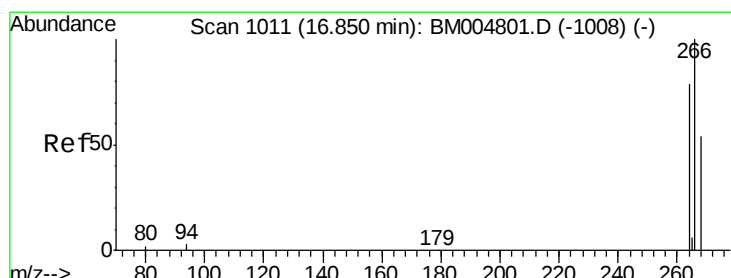
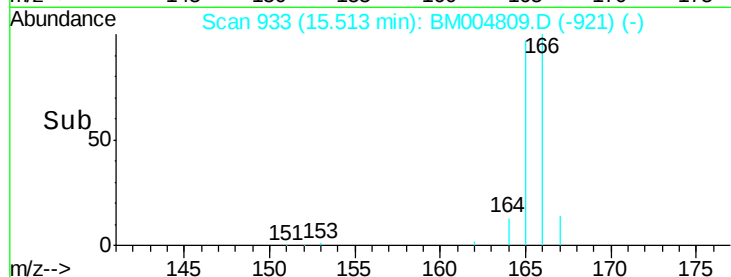
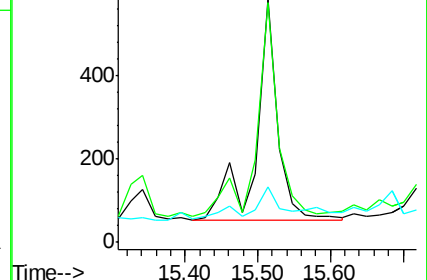
167 22.9 11.9 17.9#



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: BM004809.D

Acq: 28 Mar 2016 18:04

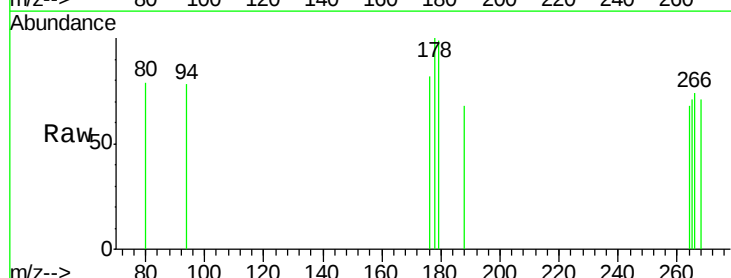
Tgt Ion:266 Resp: 15

Ion Ratio Lower Upper

266 100

264 26.7 51.8 77.8#

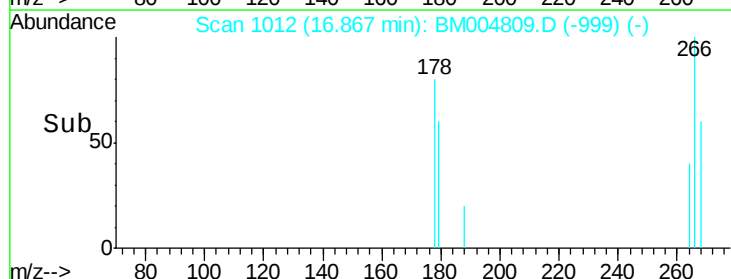
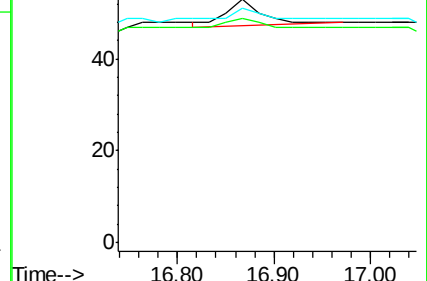
268 93.3 46.8 70.2#

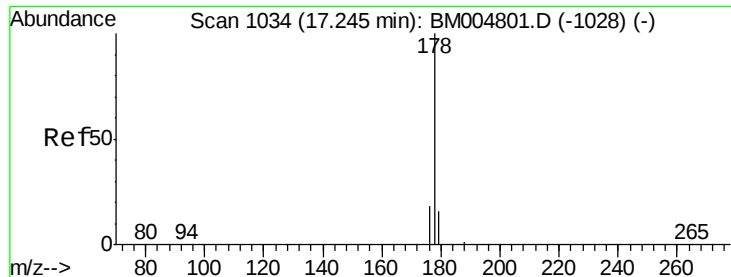


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 1.48 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM004809.D

Acq: 28 Mar 2016 18:04

Instrument :

BNA_M

ClientSampleId :

A4T40DL

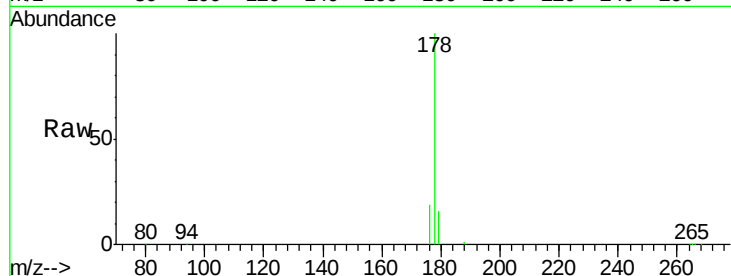
Tgt Ion:178 Resp: 21473

Ion Ratio Lower Upper

178 100

176 18.5 13.0 19.4

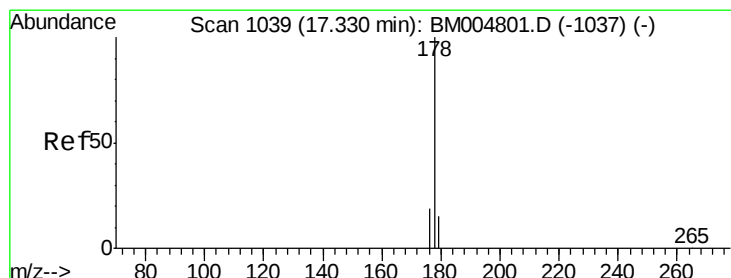
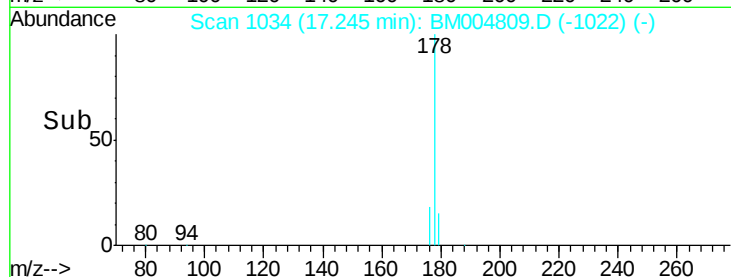
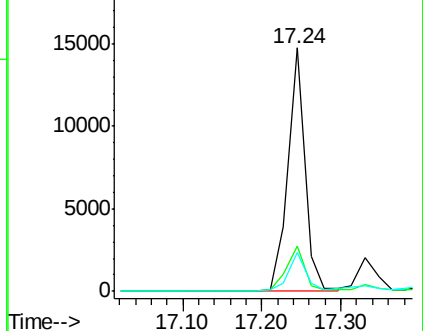
179 15.7 14.2 21.2



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: 1.57 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.09 min

Lab File: BM004809.D

Acq: 28 Mar 2016 18:04

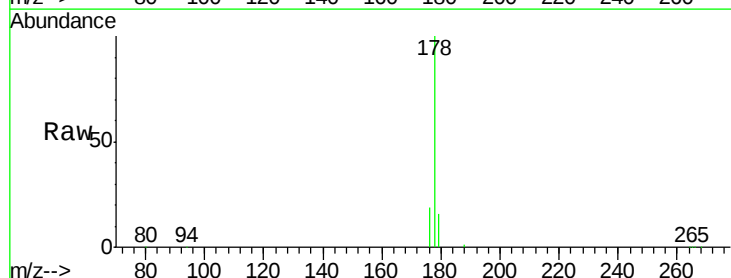
Tgt Ion:178 Resp: 21461

Ion Ratio Lower Upper

178 100

176 18.5 14.0 21.0

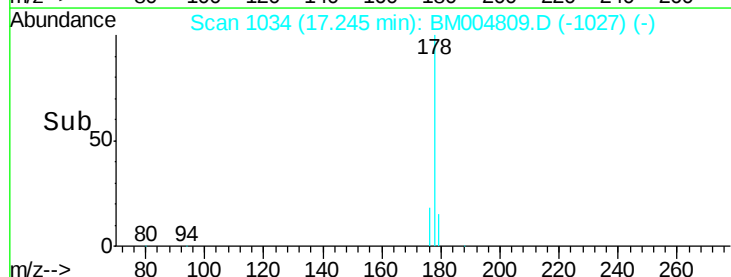
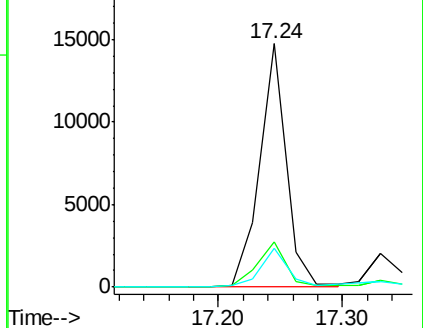
179 15.7 12.9 19.3

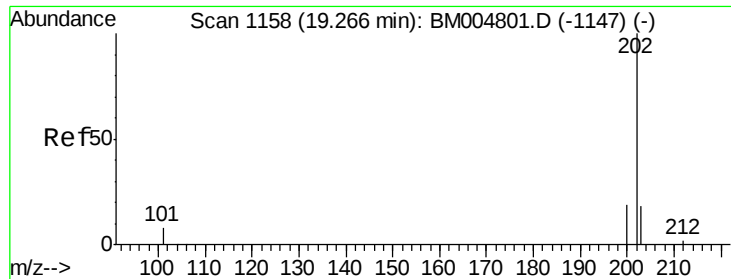


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 2.89 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. 0.01 min

Lab File: BM004809.D

Acq: 28 Mar 2016 18:04

Instrument :

BNA_M

ClientSampleId :

A4T40DL

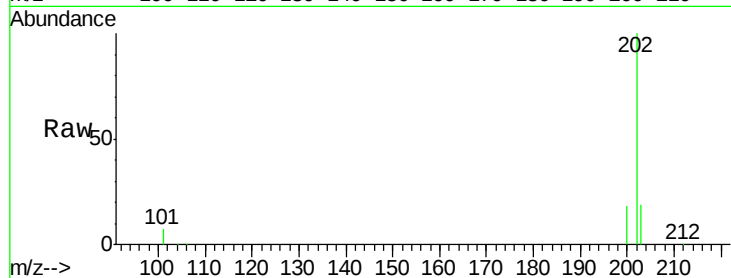
Tgt Ion:202 Resp: 47586

Ion Ratio Lower Upper

202 100

101 6.7 0.0 29.6

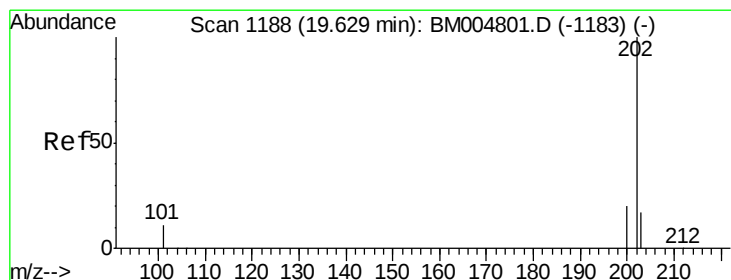
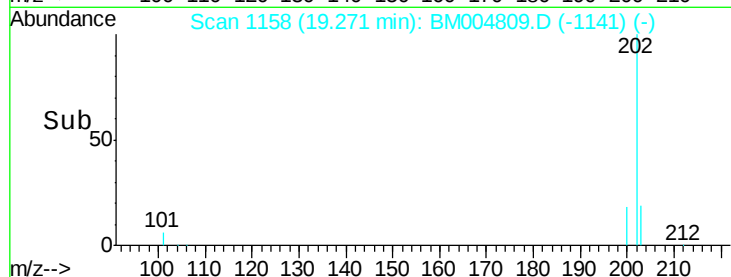
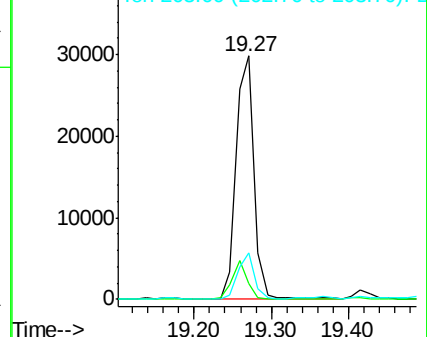
203 19.2 0.0 36.3



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: 2.18 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. 0.01 min

Lab File: BM004809.D

Acq: 28 Mar 2016 18:04

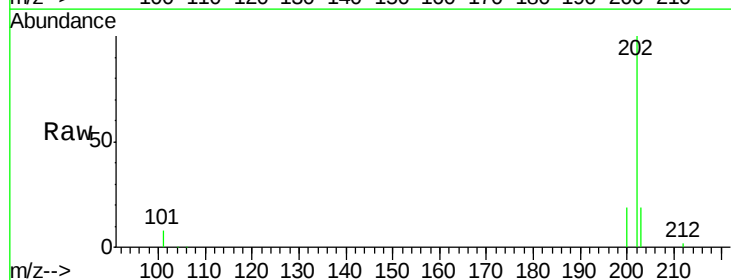
Tgt Ion:202 Resp: 42444

Ion Ratio Lower Upper

202 100

200 19.0 17.8 26.8

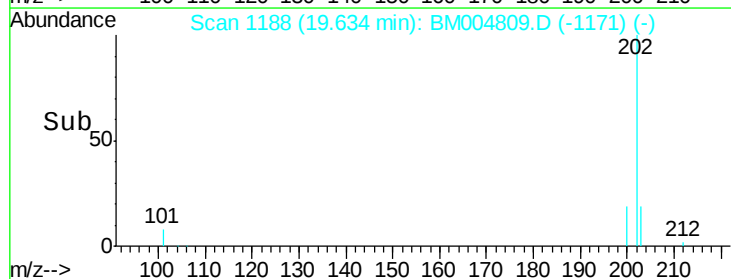
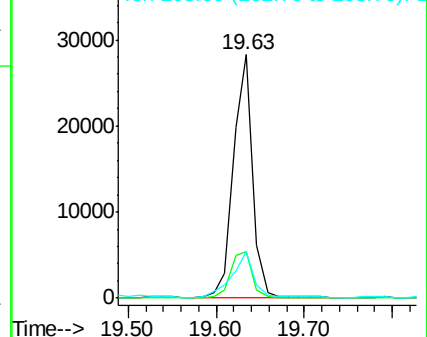
203 18.9 12.8 19.2

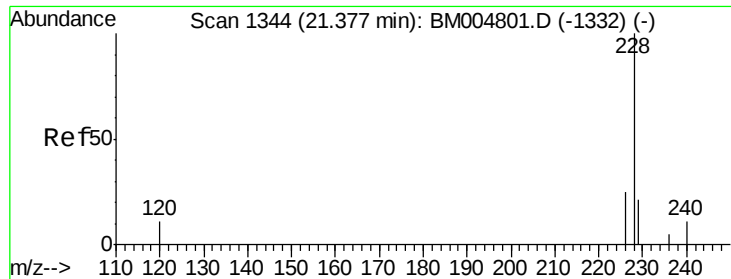


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 1.32 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BM004809.D

Acq: 28 Mar 2016 18:04

Instrument :

BNA_M

ClientSampleId :

A4T40DL

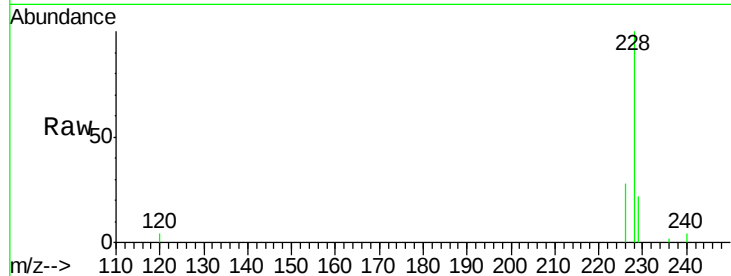
Tgt Ion:228 Resp: 23114

Ion Ratio Lower Upper

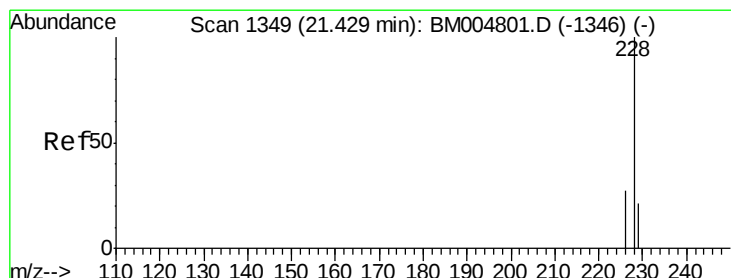
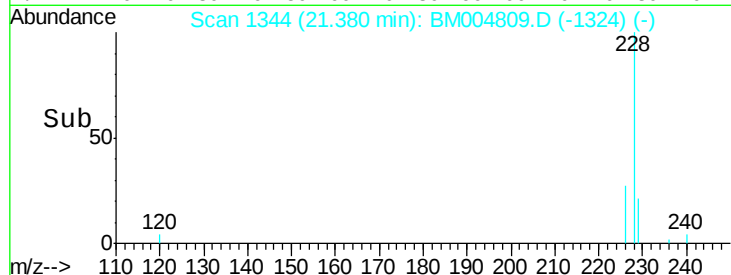
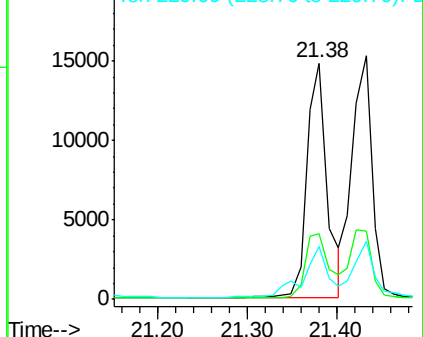
228 100

226 27.7 18.8 28.2

229 22.4 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: 1.40 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BM004809.D

Acq: 28 Mar 2016 18:04

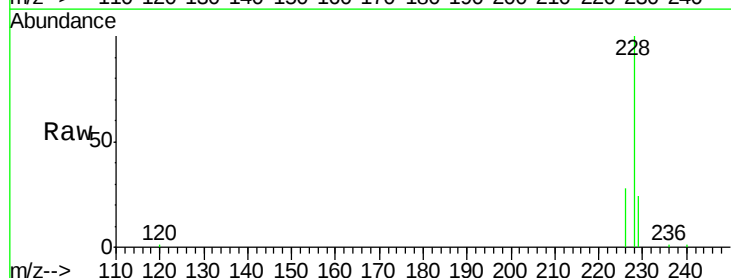
Tgt Ion:228 Resp: 23690

Ion Ratio Lower Upper

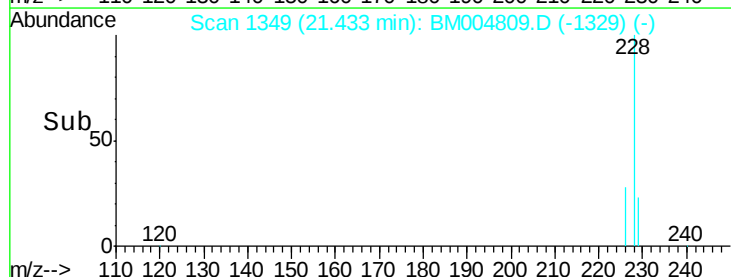
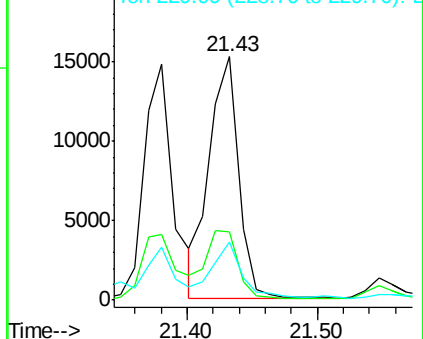
228 100

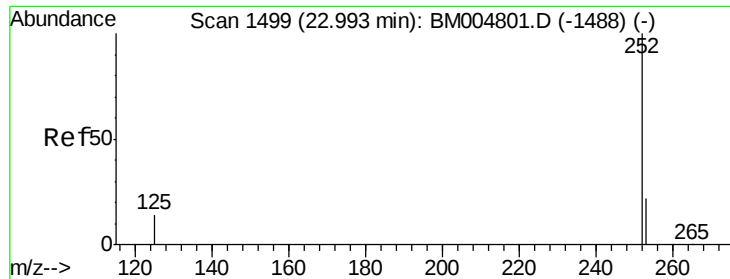
226 28.0 21.2 31.8

229 23.6 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: 2.55 ng/u1

RT: 23.00 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BM004809.D

Acq: 28 Mar 2016 18:04

Instrument :

BNA_M

ClientSampleId :

A4T40DL

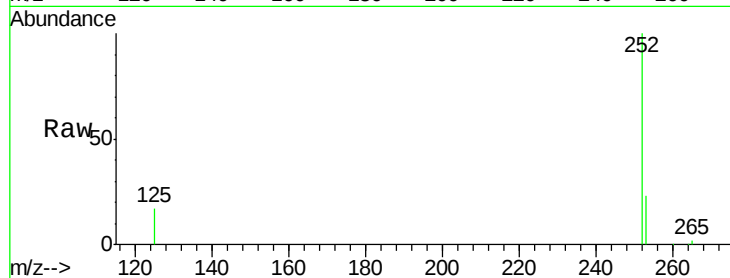
Tgt Ion:252 Resp: 47647

Ion Ratio Lower Upper

252 100

253 22.9 0.0 45.4

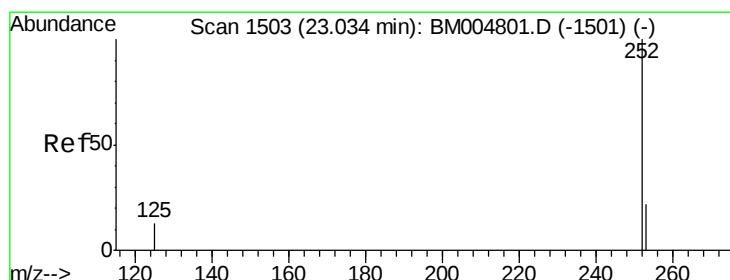
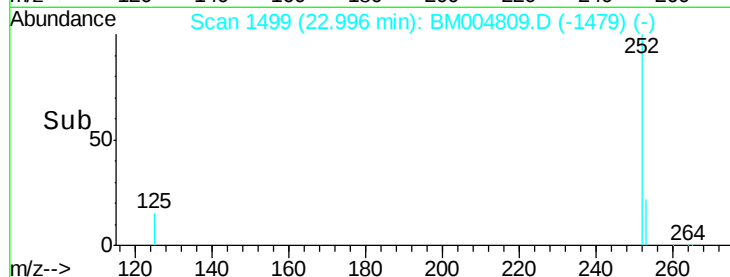
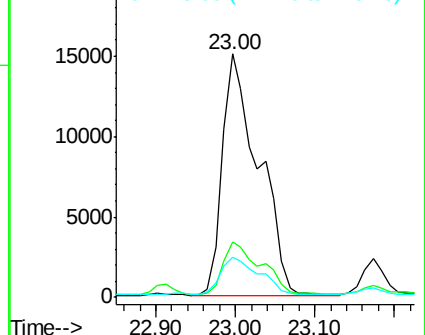
125 16.5 0.0 28.8



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: 2.75 ng/u1

RT: 23.00 min Scan# 1499

Delta R.T. -0.04 min

Lab File: BM004809.D

Acq: 28 Mar 2016 18:04

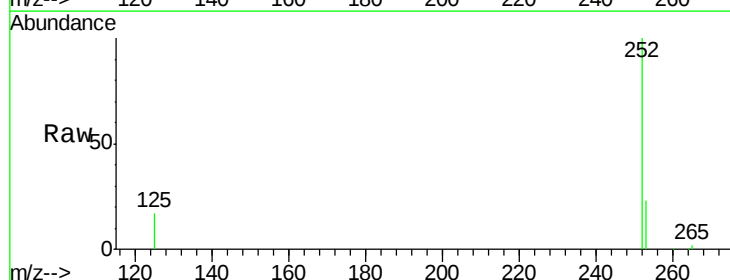
Tgt Ion:252 Resp: 47647

Ion Ratio Lower Upper

252 100

253 22.9 19.8 29.8

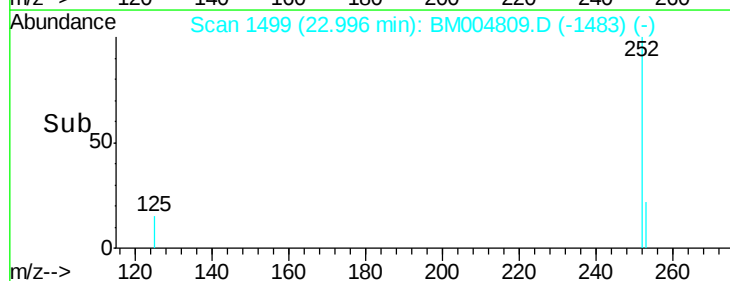
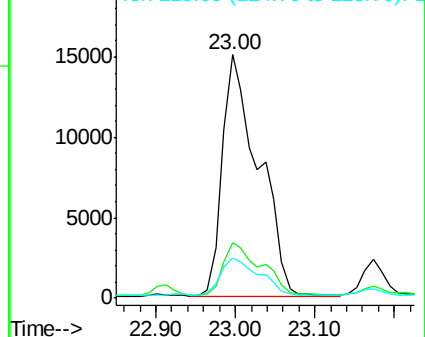
125 16.5 10.4 15.6#

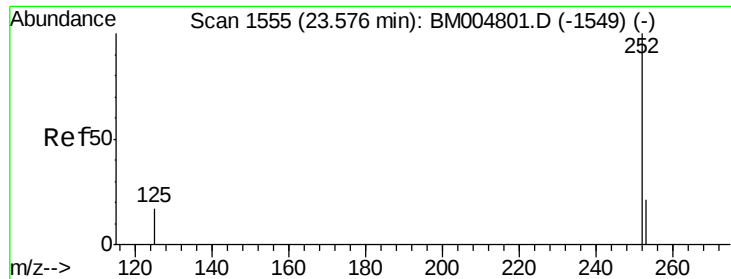


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 1.29 ng/ul

RT: 23.59 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BM004809.D

Acq: 28 Mar 2016 18:04

Instrument :

BNA_M

ClientSampleId :

A4T40DL

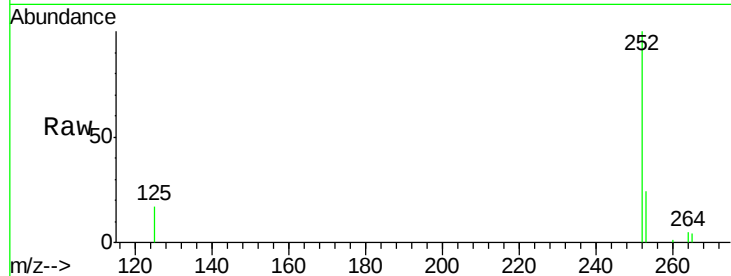
Tgt Ion:252 Resp: 22067

Ion Ratio Lower Upper

252 100

253 24.0 19.4 29.2

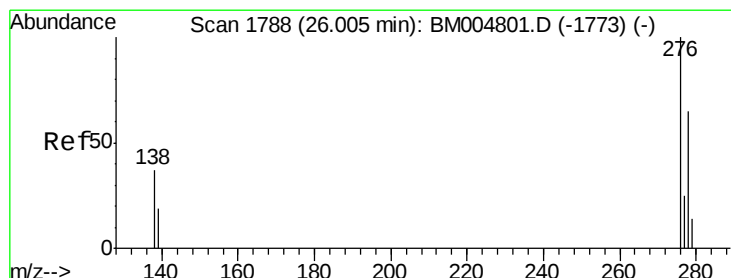
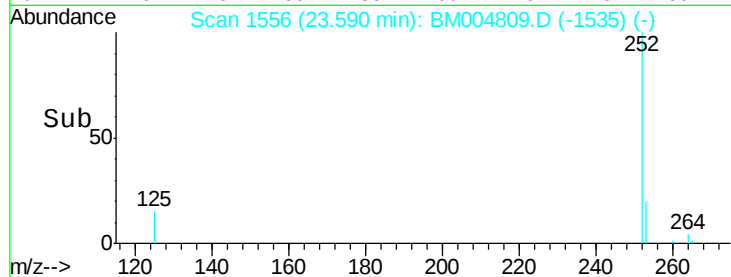
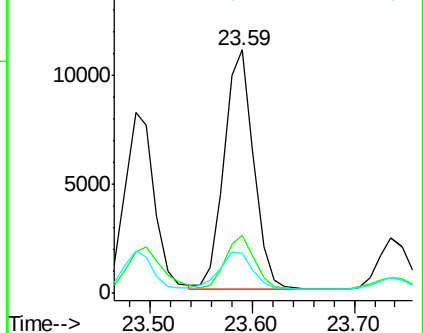
125 16.6 12.7 19.1



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: 0.85 ng/ul

RT: 26.01 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BM004809.D

Acq: 28 Mar 2016 18:04

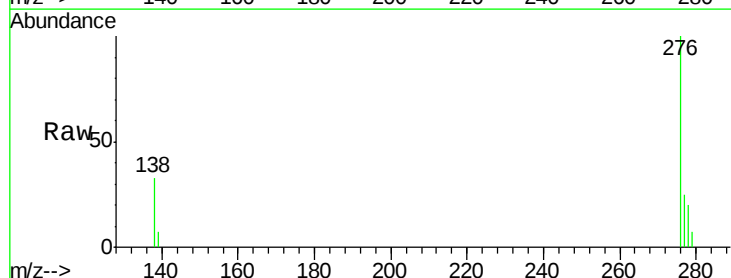
Tgt Ion:276 Resp: 13428

Ion Ratio Lower Upper

276 100

138 32.2 16.3 24.5#

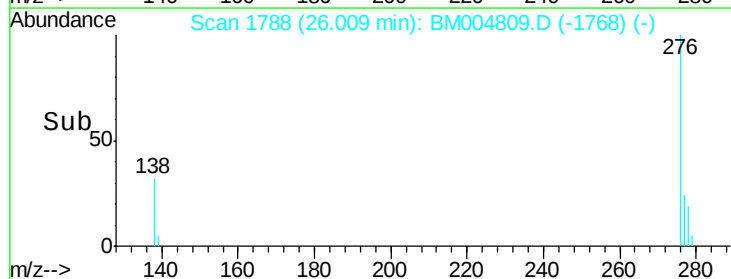
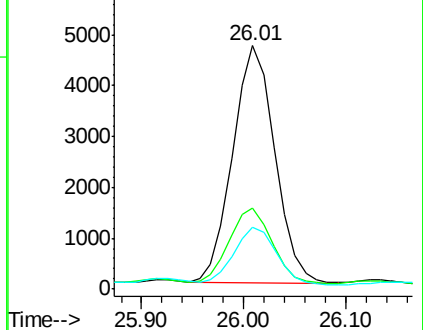
277 24.4 19.8 29.8

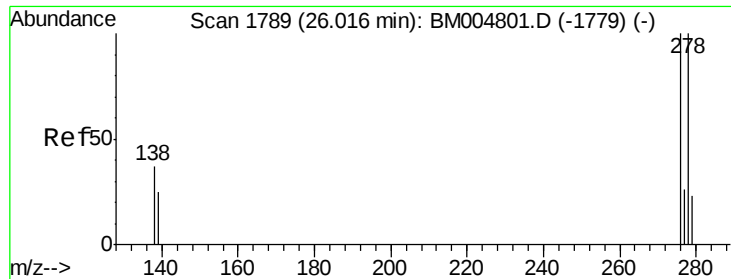


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.26 ng/ul

RT: 26.02 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BM004809.D

Acq: 28 Mar 2016 18:04

Instrument :

BNA_M

ClientSampleId :

A4T40DL

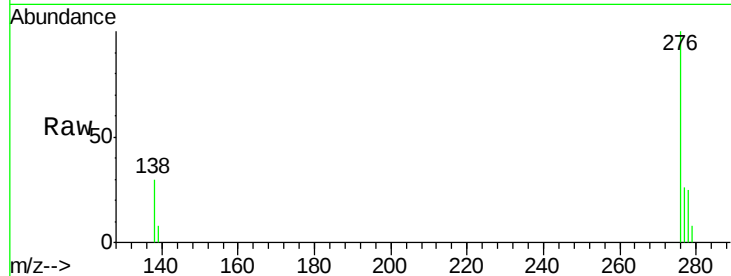
Tgt Ion:278 Resp: 3277

Ion Ratio Lower Upper

278 100

139 33.3 16.4 24.6#

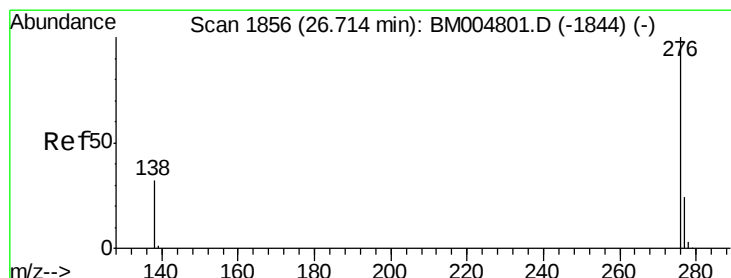
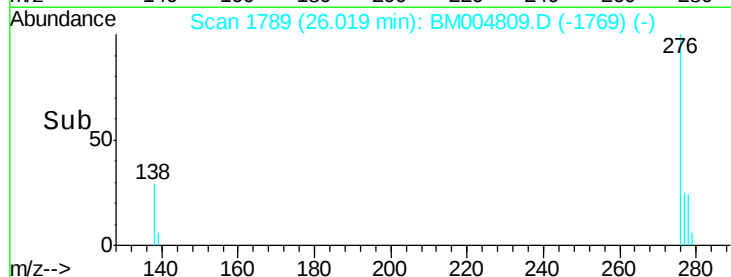
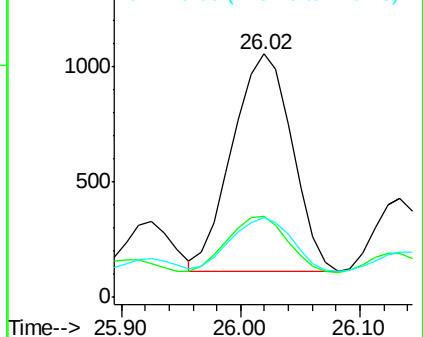
279 32.6 20.2 30.2#



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: 0.90 ng/ul

RT: 26.73 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BM004809.D

Acq: 28 Mar 2016 18:04

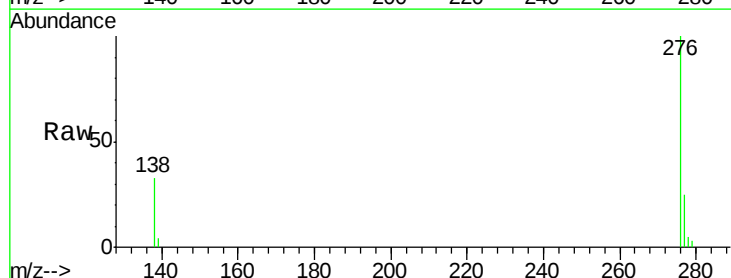
Tgt Ion:276 Resp: 11751

Ion Ratio Lower Upper

276 100

277 25.1 18.9 28.3

138 32.7 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

