

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061316\
 Data File : BM005777.D
 Acq On : 13 Jun 2016 19:37
 Operator : UM/SJ
 Sample : H3507-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGK1

Quant Time: Jun 14 01:32:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM061316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 19:45:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	7547	0.40	ng/ul	-0.02
4) Naphthalene-d8	10.54	136	33048	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.38	164	19079	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	1273211	0.40	ng/ul	0.09
18) Chrysene-d12	21.31	240	31102	0.40	ng/ul	-0.02
22) Perylene-d12	23.58	264	40688	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	26865	7.30	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.13	152	8345	0.20	ng/ul	-0.01
16) Fluoranthene-d10	19.17	212	16773	0.01	ng/ul	0.00

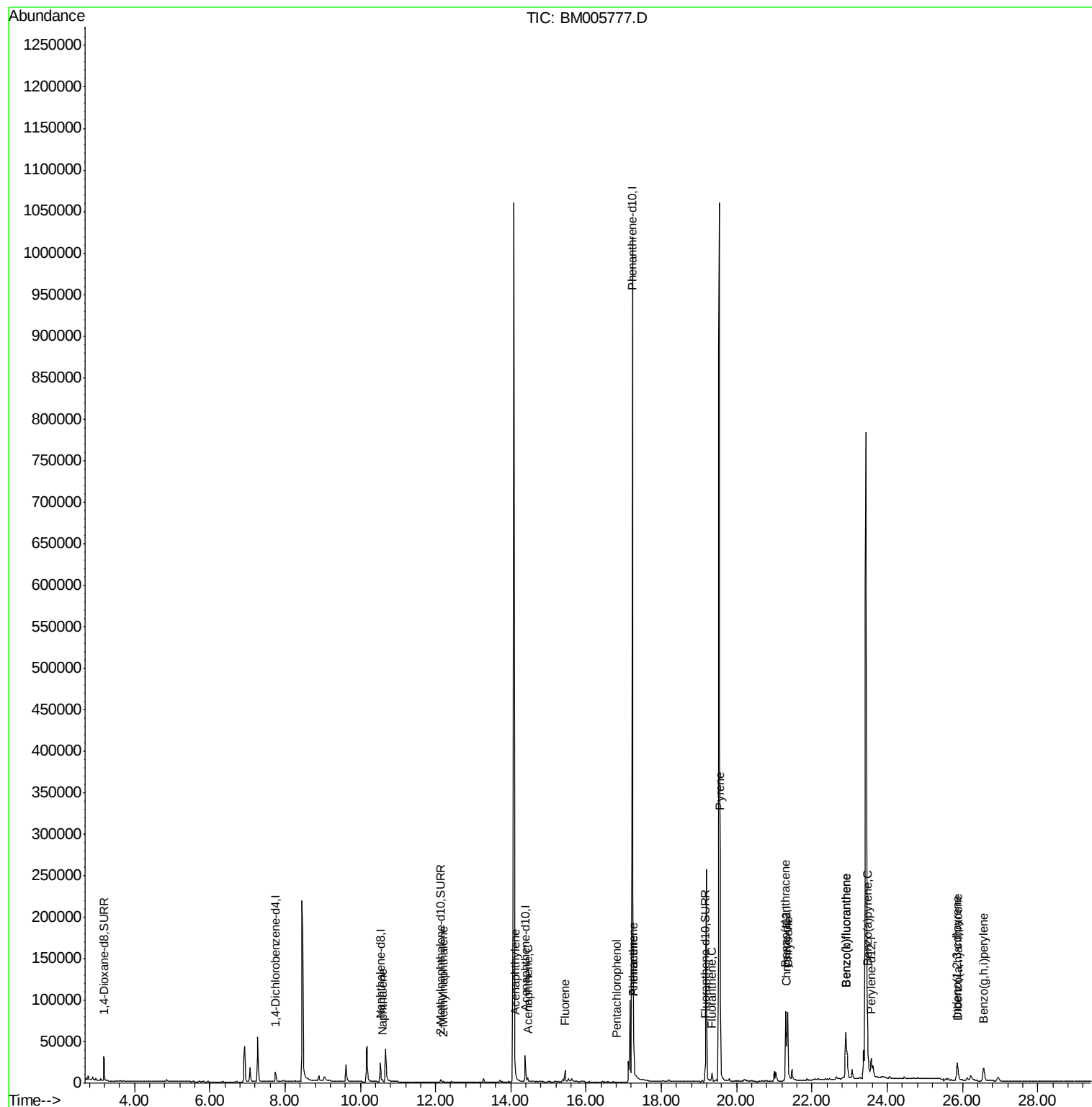
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.58	128	2948	0.04	ng/ul#	79
7) 2-Methylnaphthalene	12.21	142	1251	0.02	ng/ul#	100
9) Acenaphthylene	14.11	152	16297	0.19	ng/ul#	92
10) Acenaphthene	14.45	153	3335	0.05	ng/ul	94
11) Fluorene	15.44	166	14797	0.25	ng/ul	95
13) Pentachlorophenol	16.82	266	92	0.00	ng/ul#	60
14) Phenanthrene	17.26	178	30688	0.01	ng/ul	97
15) Anthracene	17.26	178	31458	0.01	ng/ul	98
17) Fluoranthene	19.34	202	11645	0.00	ng/ul	84
19) Pyrene	19.56	202	237692	2.22	ng/ul	96
20) Benzo(a)anthracene	21.30	228	89923	1.24	ng/ul#	92
21) Chrysene	21.36	228	102466	0.92	ng/ul	96
23) Benzo(b)fluoranthene	22.90	252	147321	1.30	ng/ul	98
24) Benzo(k)fluoranthene	22.90	252	147321	1.04	ng/ul	98
25) Benzo(a)pyrene	23.47	252	79496	0.62	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.86	276	42428	0.29	ng/ul	94
27) Dibenzo(a,h)anthracene	25.87	278	8650	0.08	ng/ul#	71
28) Benzo(g,h,i)perylene	26.56	276	37395	0.29	ng/ul	97

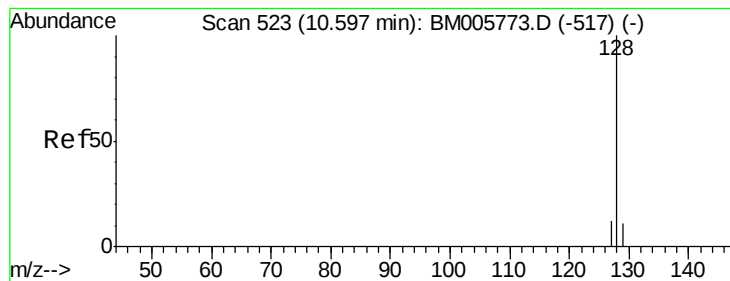
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.04 ng/ul

RT: 10.58 min Scan# 522

Delta R.T. -0.01 min

Lab File: BM005777.D

Acq: 13 Jun 2016 19:37

Instrument :

BNA_M

ClientSampleId :

JHGK1

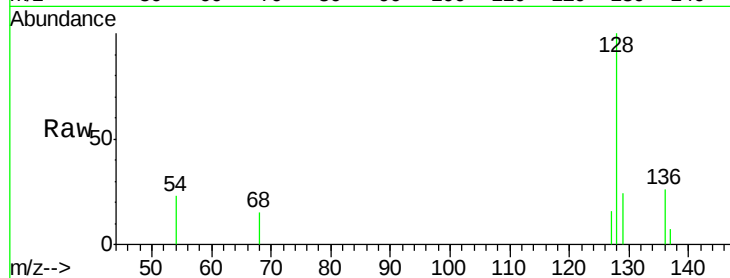
Tgt Ion:128 Resp: 2948

Ion Ratio Lower Upper

128 100

129 23.5 9.0 13.6#

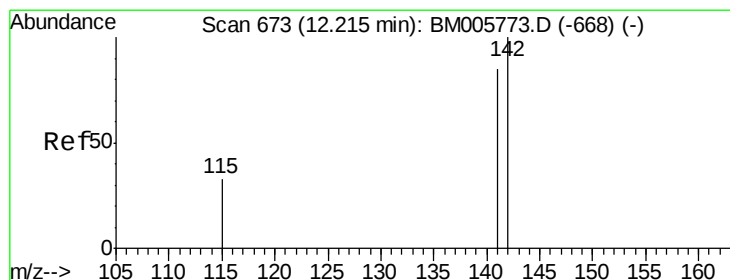
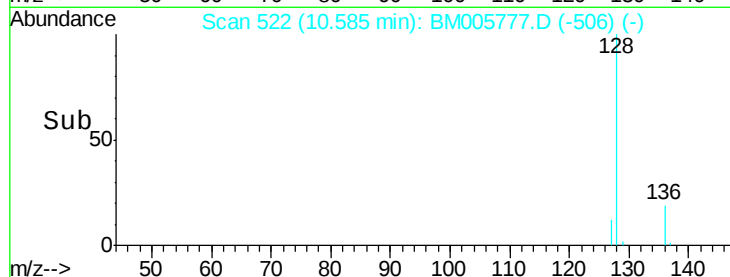
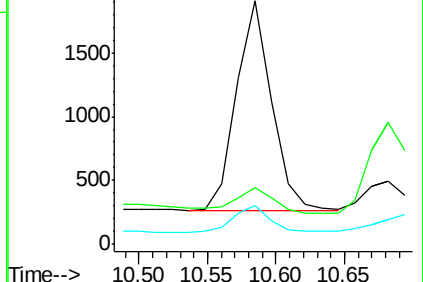
127 15.8 9.6 14.4#



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



#7

2-Methylnaphthalene

Concen: 0.02 ng/ul

RT: 12.21 min Scan# 672

Delta R.T. -0.01 min

Lab File: BM005777.D

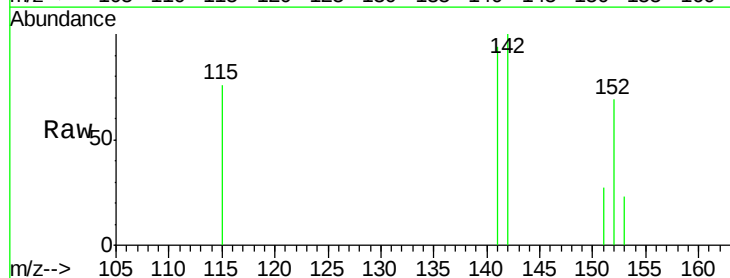
Acq: 13 Jun 2016 19:37

Tgt Ion:142 Resp: 1251

Ion Ratio Lower Upper

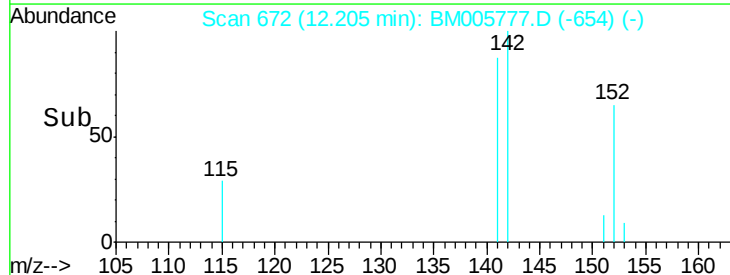
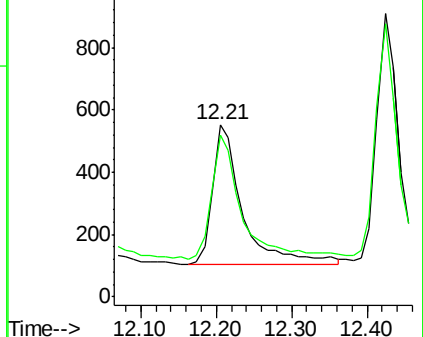
142 100

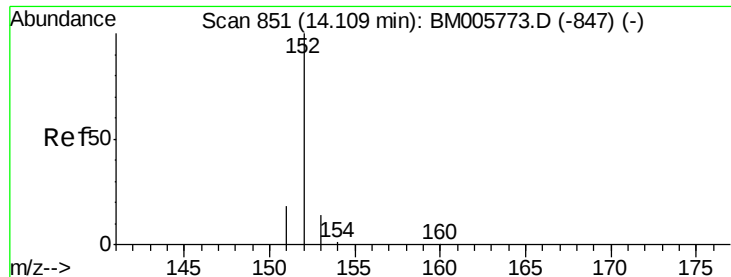
141 88.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.19 ng/ul

RT: 14.11 min Scan# 851

Delta R.T. 0.00 min

Lab File: BM005777.D

Acq: 13 Jun 2016 19:37

Instrument :

BNA_M

ClientSampleId :

JHGK1

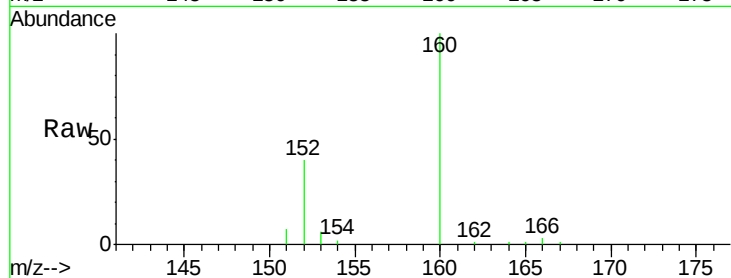
Tgt Ion:152 Resp: 16297

Ion Ratio Lower Upper

152 100

151 18.5 17.6 26.4

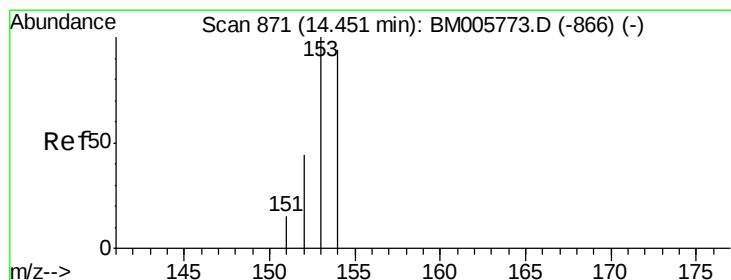
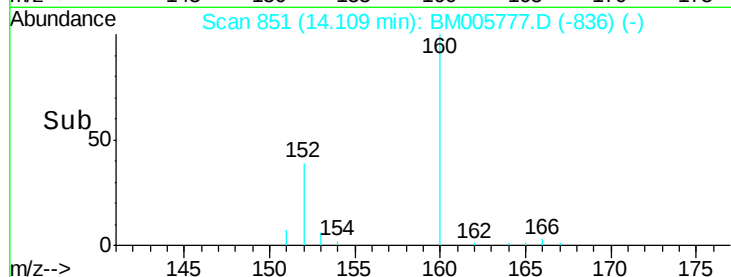
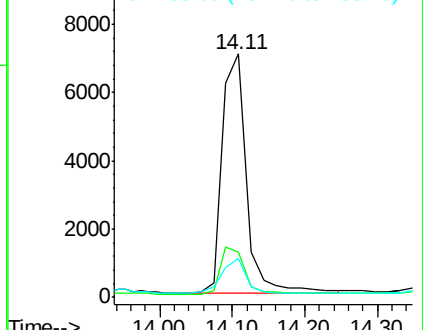
153 15.9 9.7 14.5#



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: 0.05 ng/ul

RT: 14.45 min Scan# 871

Delta R.T. 0.00 min

Lab File: BM005777.D

Acq: 13 Jun 2016 19:37

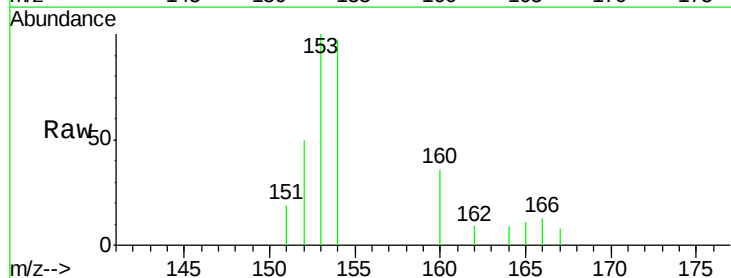
Tgt Ion:153 Resp: 3335

Ion Ratio Lower Upper

153 100

152 50.0 33.9 50.9

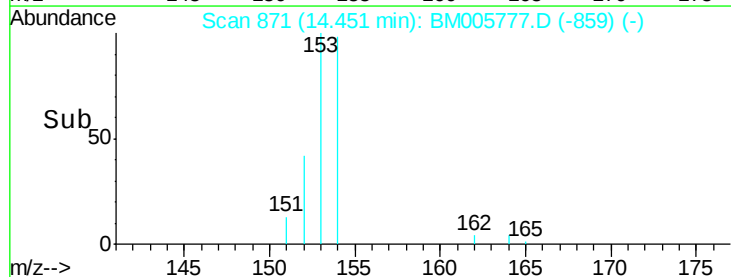
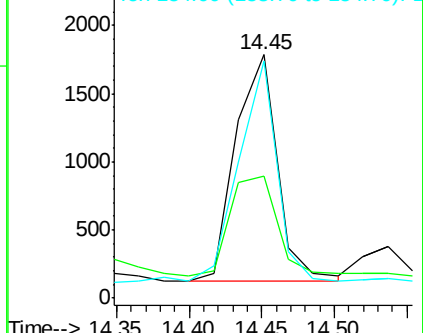
154 97.3 80.6 121.0

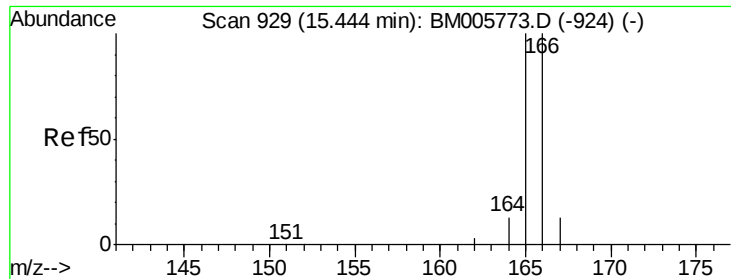


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

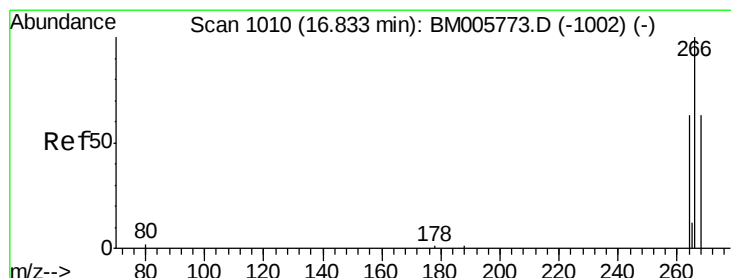
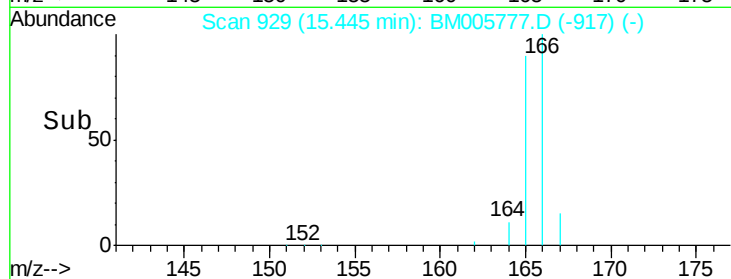
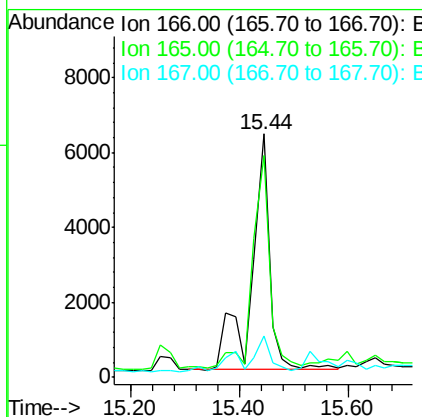
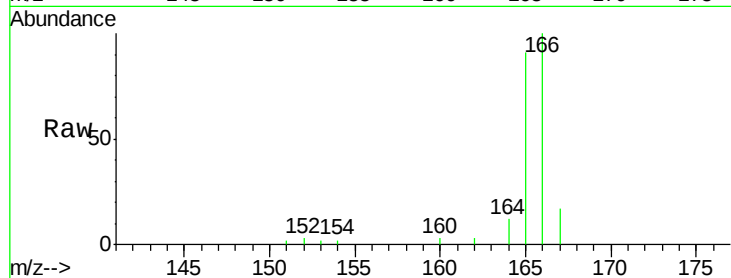




#11
Fluorene
 Concen: 0.25 ng/ul
 RT: 15.44 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: BM005777.D
 Acq: 13 Jun 2016 19:37

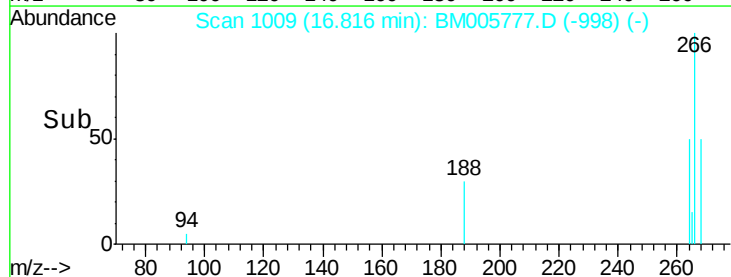
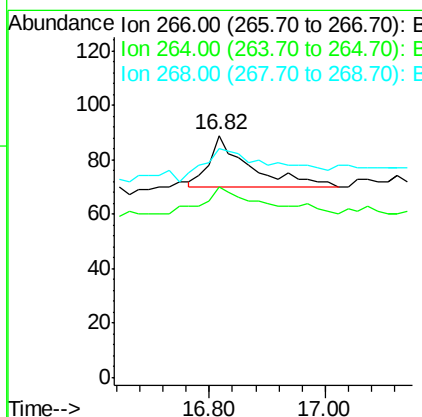
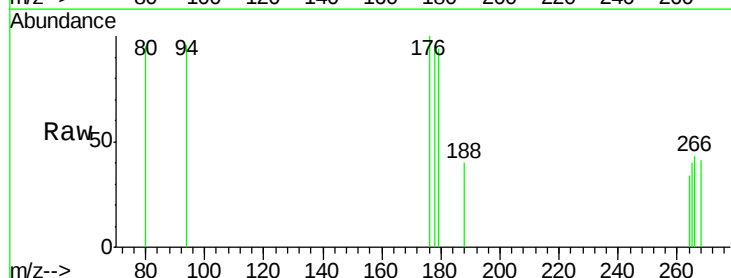
Instrument :
 BNA_M
 ClientSampleId :
 JHGK1

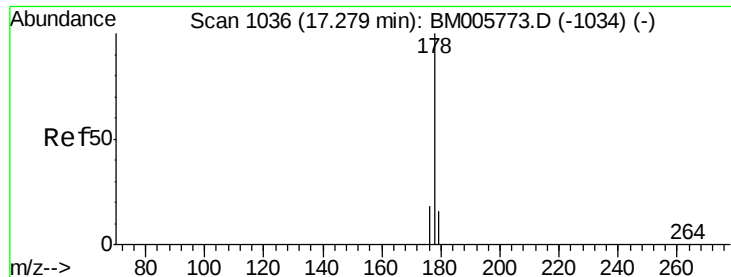
Tgt Ion:166 Resp: 14797
 Ion Ratio Lower Upper
 166 100
 165 91.2 69.6 104.4
 167 16.8 11.9 17.9



#13
Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.82 min Scan# 1009
 Delta R.T. -0.02 min
 Lab File: BM005777.D
 Acq: 13 Jun 2016 19:37

Tgt Ion:266 Resp: 92
 Ion Ratio Lower Upper
 266 100
 264 69.6 51.8 77.8
 268 116.3 46.8 70.2#





#14

Phenanthrene

Concen: 0.01 ng/ul

RT: 17.26 min Scan# 1035

Delta R.T. 0.09 min

Lab File: BM005777.D

Acq: 13 Jun 2016 19:37

Instrument :

BNA_M

ClientSampleId :

JHGK1

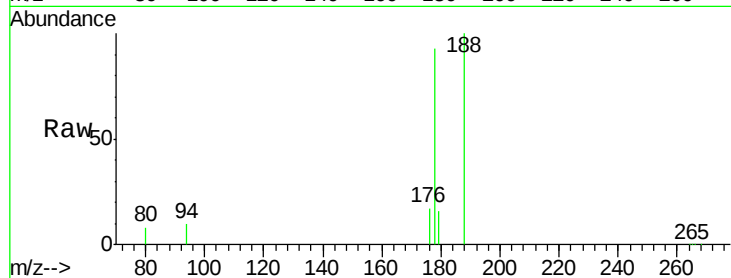
Tgt Ion:178 Resp: 30688

Ion Ratio Lower Upper

178 100

176 18.3 13.0 19.4

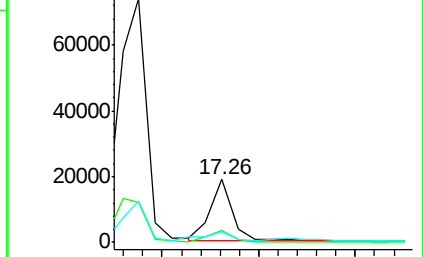
179 17.1 14.2 21.2



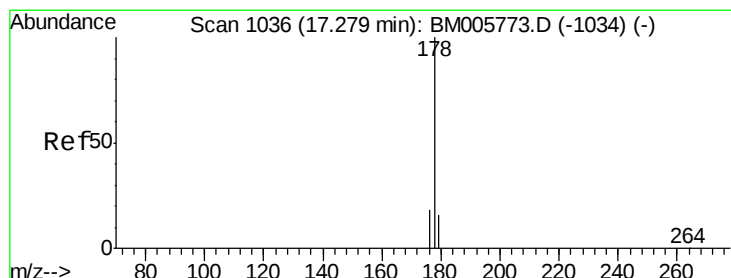
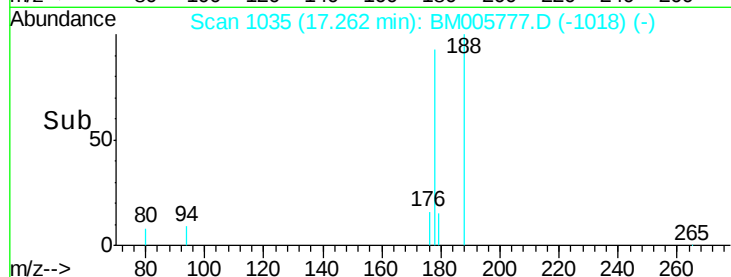
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#15

Anthracene

Concen: 0.01 ng/ul

RT: 17.26 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BM005777.D

Acq: 13 Jun 2016 19:37

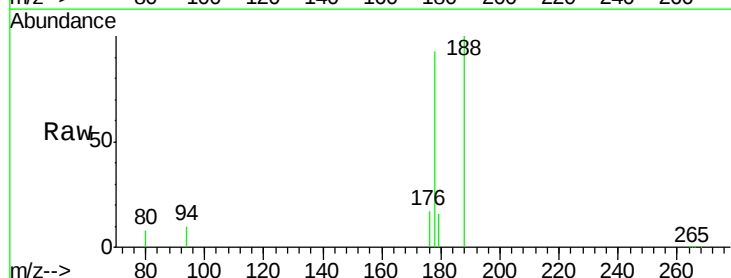
Tgt Ion:178 Resp: 31458

Ion Ratio Lower Upper

178 100

176 18.3 14.0 21.0

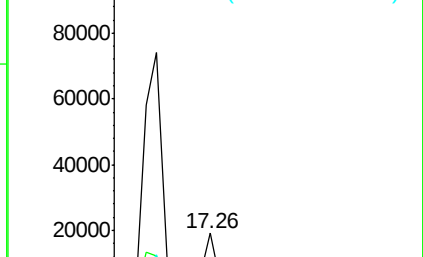
179 17.1 12.9 19.3



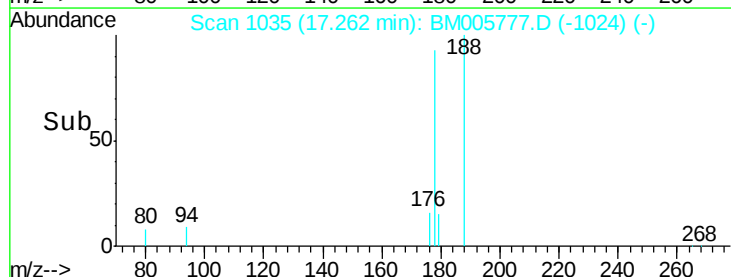
Abundance Ion 178.00 (177.70 to 178.70): E

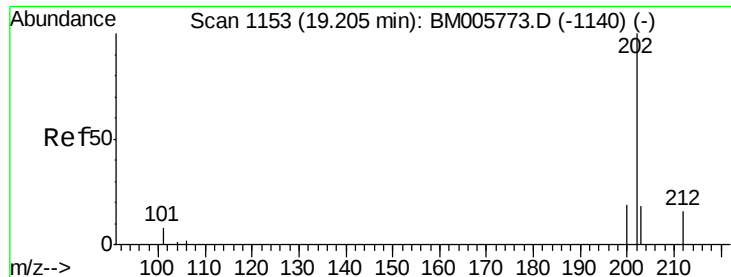
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

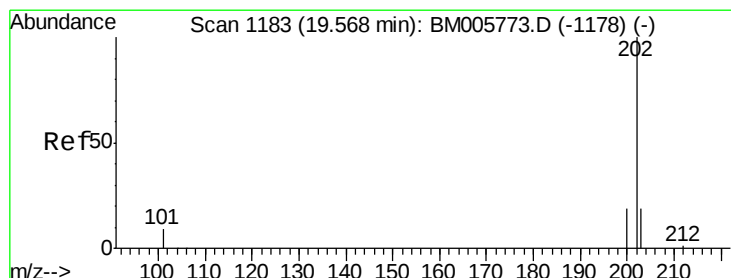
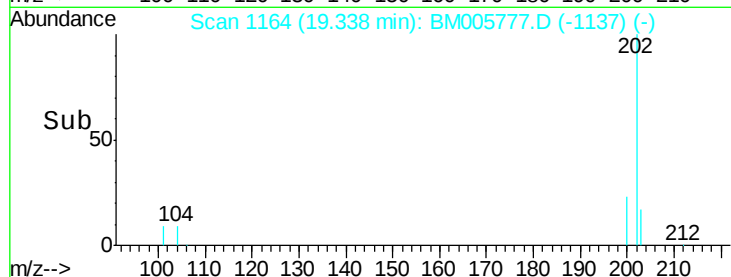
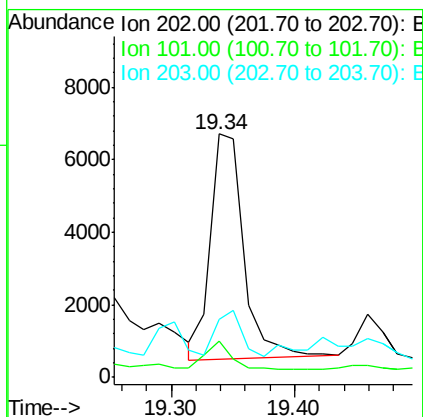
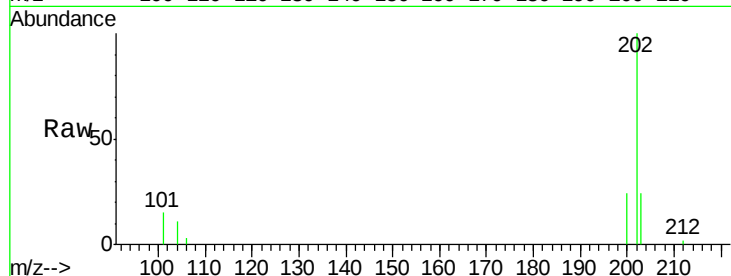




#17
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.34 min Scan# 1164
 Delta R.T. 0.13 min
 Lab File: BM005777.D
 Acq: 13 Jun 2016 19:37

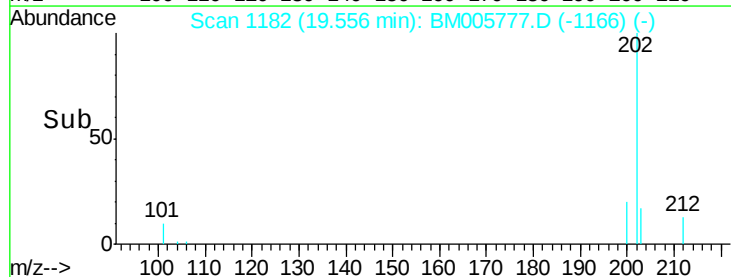
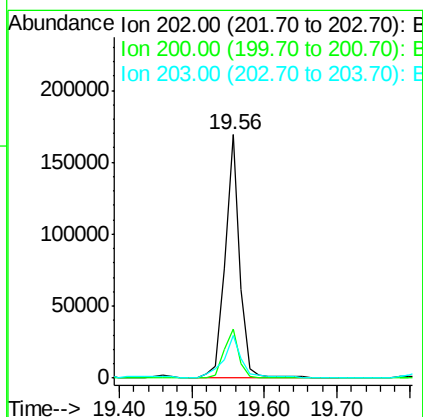
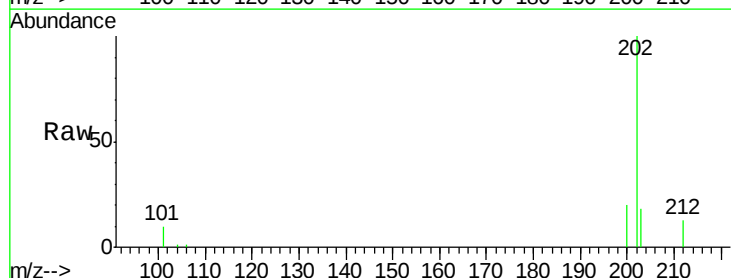
Instrument :
 BNA_M
 ClientSampleId :
 JHGK1

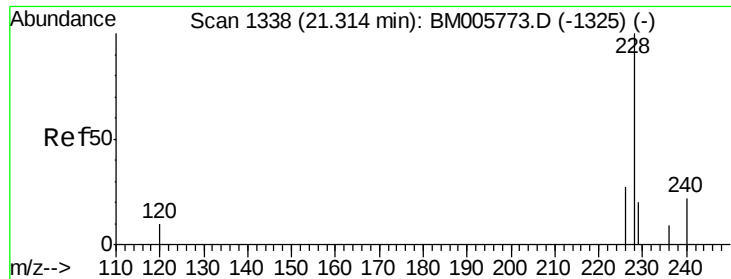
Tgt Ion:202 Resp: 11645
 Ion Ratio Lower Upper
 202 100
 101 14.7 0.0 29.6
 203 23.7 0.0 36.3



#19
Pyrene
 Concen: 2.22 ng/ul
 RT: 19.56 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BM005777.D
 Acq: 13 Jun 2016 19:37

Tgt Ion:202 Resp: 237692
 Ion Ratio Lower Upper
 202 100
 200 20.3 17.8 26.8
 203 17.7 12.8 19.2





#20

Benzo(a)anthracene

Concen: 1.24 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM005777.D

Acq: 13 Jun 2016 19:37

Instrument :

BNA_M

ClientSampleId :

JHGK1

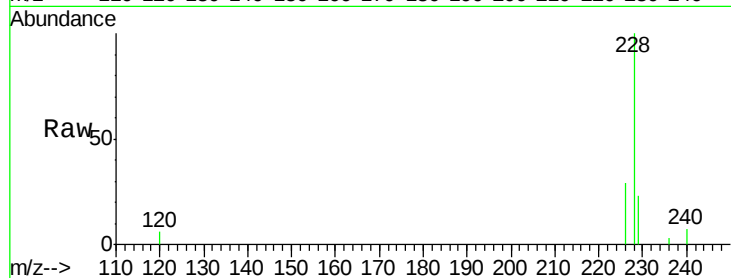
Tgt Ion:228 Resp: 89923

Ion Ratio Lower Upper

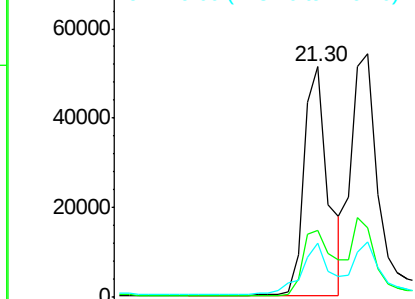
228 100

226 29.1 18.8 28.2#

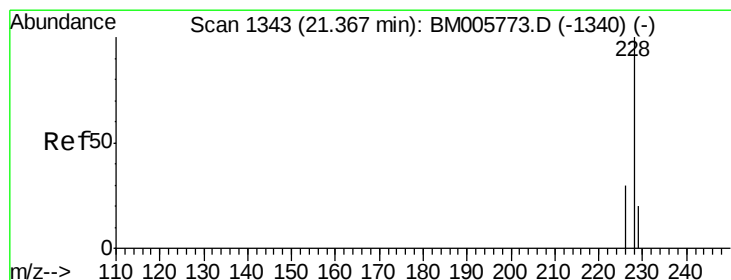
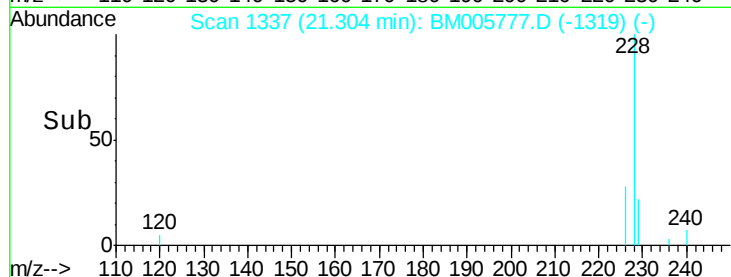
229 23.4 17.1 25.7



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



Time-->



#21

Chrysene

Concen: 0.92 ng/ul

RT: 21.36 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BM005777.D

Acq: 13 Jun 2016 19:37

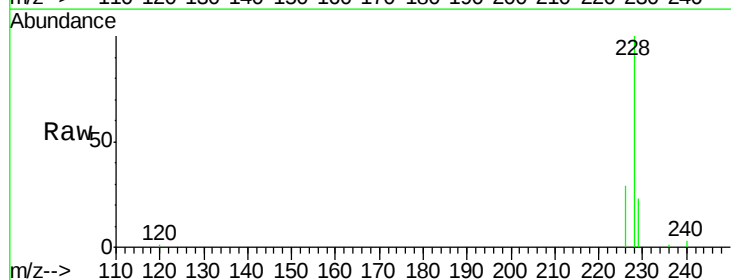
Tgt Ion:228 Resp: 102466

Ion Ratio Lower Upper

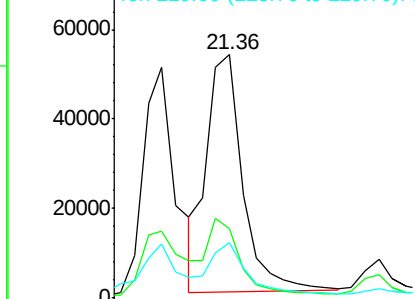
228 100

226 28.6 21.2 31.8

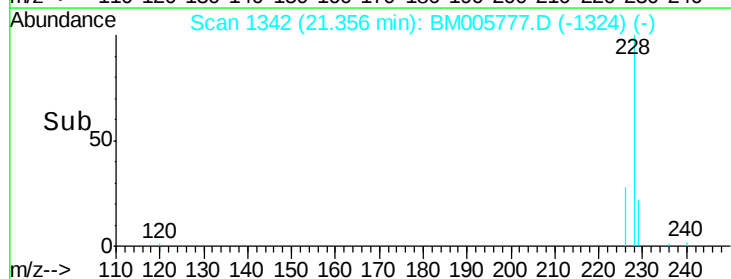
229 23.0 17.0 25.6

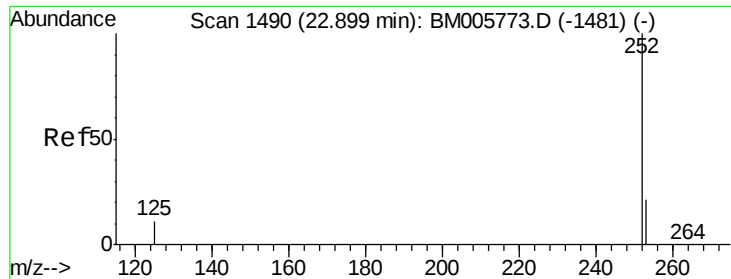


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





#23

Benzo(b)fluoranthene

Concen: 1.30 ng/u1

RT: 22.90 min Scan# 1490

Delta R.T. 0.00 min

Lab File: BM005777.D

Acq: 13 Jun 2016 19:37

Instrument :

BNA_M

ClientSampleId :

JHGK1

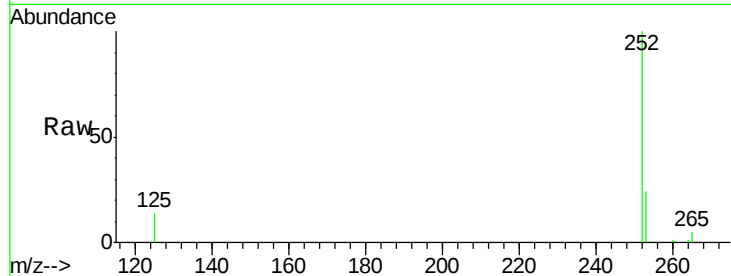
Tgt Ion:252 Resp: 147321

Ion Ratio Lower Upper

252 100

253 24.2 0.0 45.4

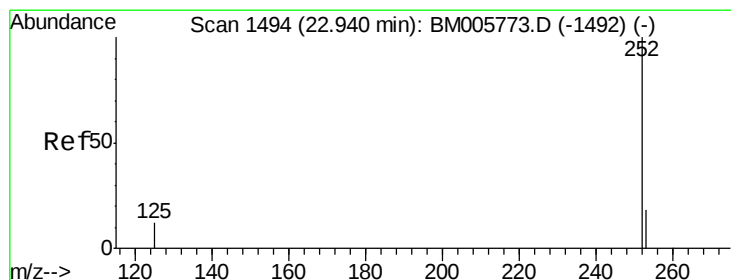
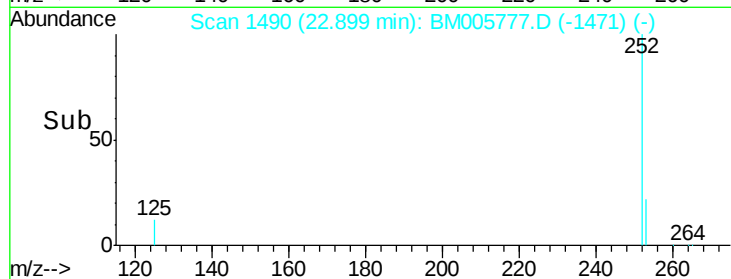
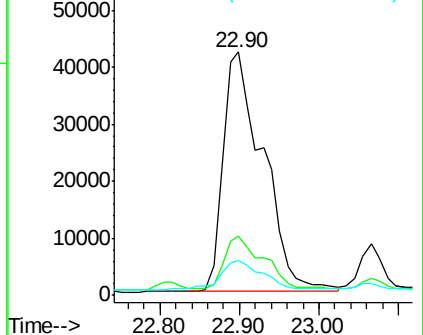
125 14.2 0.0 28.8



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: 1.04 ng/u1

RT: 22.90 min Scan# 1490

Delta R.T. -0.04 min

Lab File: BM005777.D

Acq: 13 Jun 2016 19:37

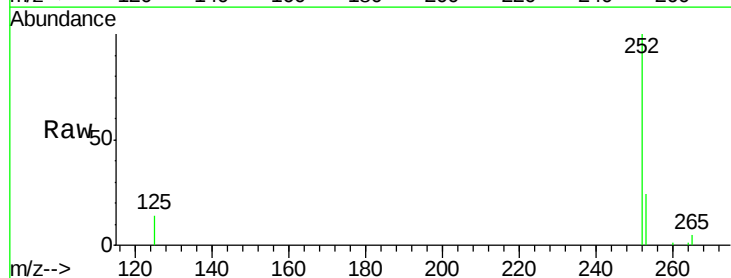
Tgt Ion:252 Resp: 147321

Ion Ratio Lower Upper

252 100

253 24.2 19.8 29.8

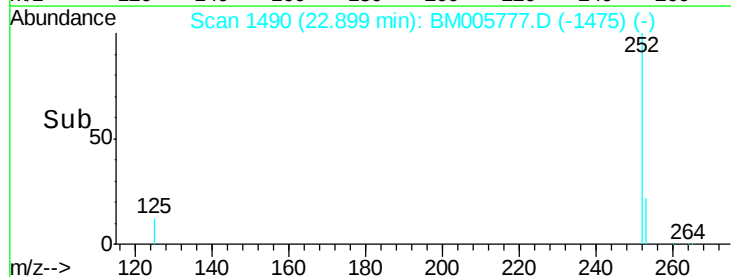
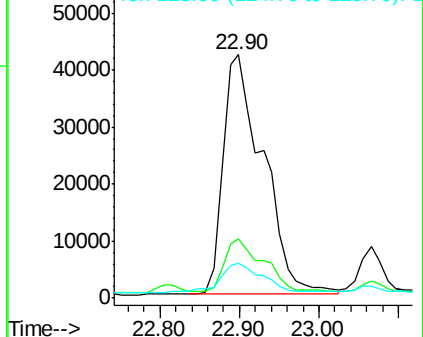
125 14.2 10.4 15.6

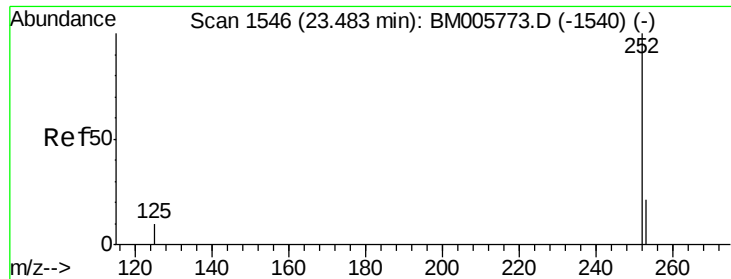


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.62 ng/ul

RT: 23.47 min Scan# 1545

Delta R.T. -0.01 min

Lab File: BM005777.D

Acq: 13 Jun 2016 19:37

Instrument :

BNA_M

ClientSampleId :

JHKG1

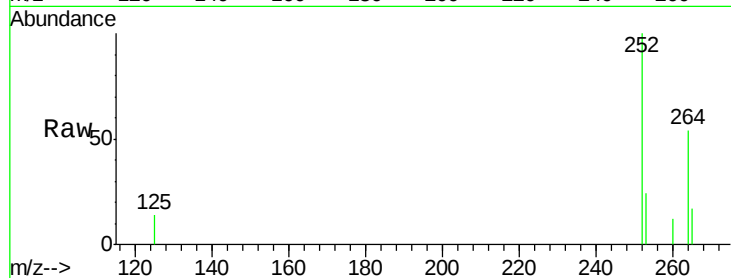
Tgt Ion:252 Resp: 79496

Ion Ratio Lower Upper

252 100

253 24.0 19.4 29.2

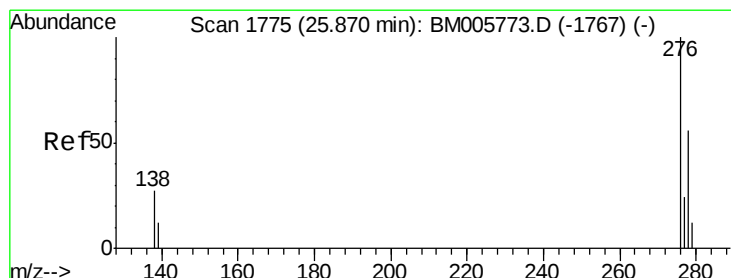
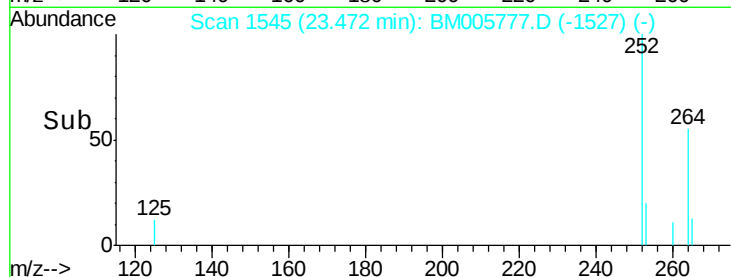
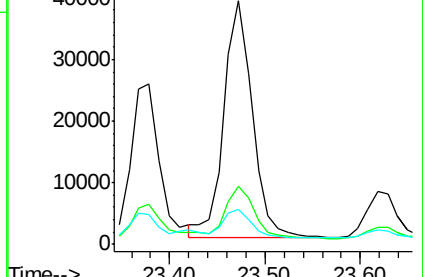
125 14.4 12.7 19.1



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: 0.29 ng/ul

RT: 25.86 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BM005777.D

Acq: 13 Jun 2016 19:37

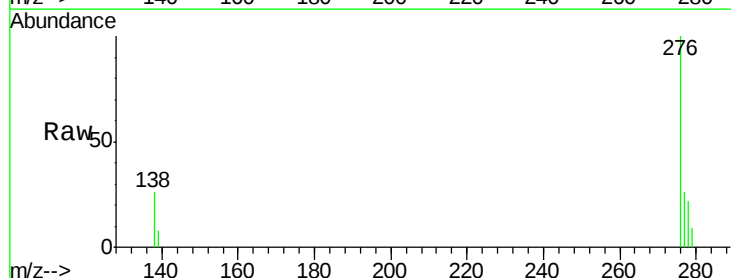
Tgt Ion:276 Resp: 42428

Ion Ratio Lower Upper

276 100

138 23.5 16.3 24.5

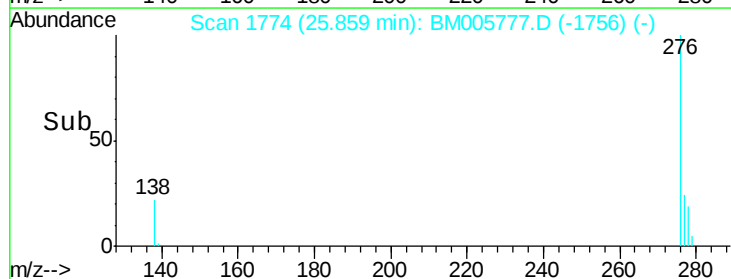
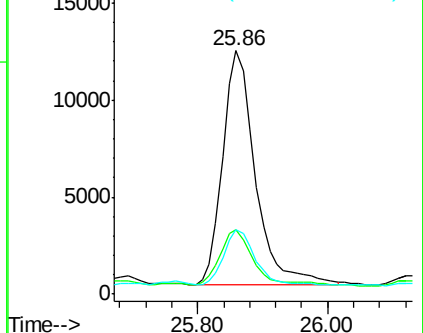
277 22.4 19.8 29.8

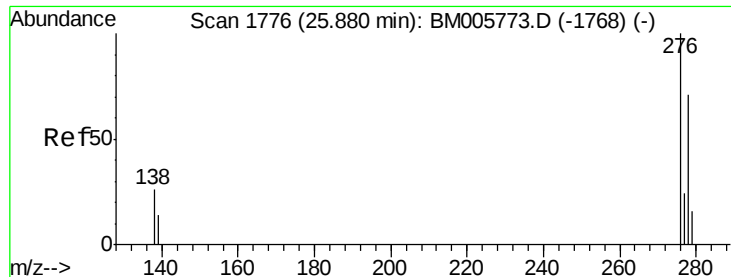


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.08 ng/ul

RT: 25.87 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BM005777.D

Acq: 13 Jun 2016 19:37

Instrument :

BNA_M

ClientSampleId :

JHGK1

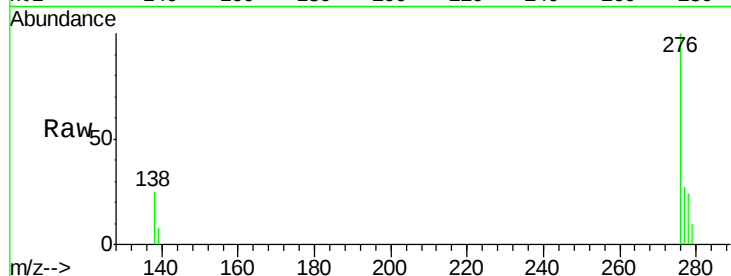
Tgt Ion:278 Resp: 8650

Ion Ratio Lower Upper

278 100

139 33.8 16.4 24.6#

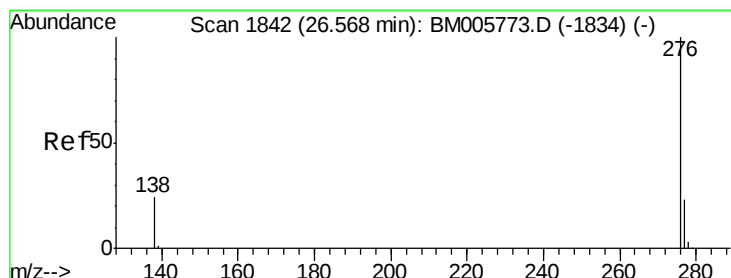
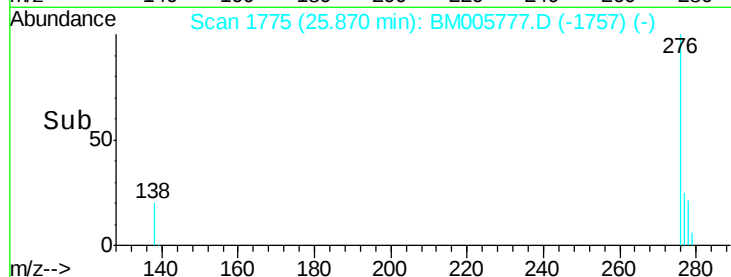
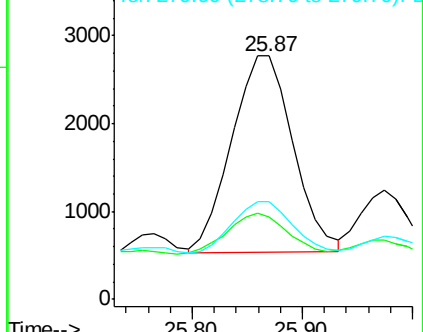
279 40.3 20.2 30.2#



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: 0.29 ng/ul

RT: 26.56 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BM005777.D

Acq: 13 Jun 2016 19:37

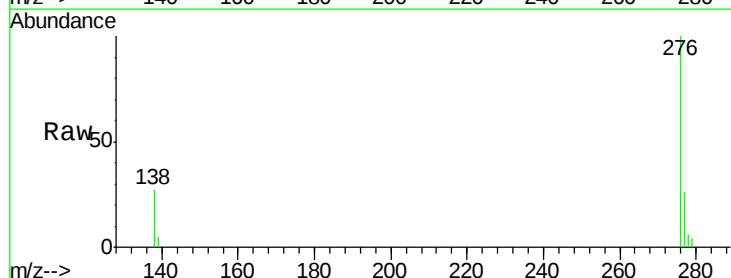
Tgt Ion:276 Resp: 37395

Ion Ratio Lower Upper

276 100

277 25.7 18.9 28.3

138 27.5 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

