

Data Path : Z:\HPCHEM1\BNA E\DATA\BE073015\
 Data File : BE090296.D
 Acq On : 30 Jul 2015 13:58
 Operator : TP/IZ
 Sample : MDL-04-W
 Misc : MDL-SIM2.2-WATER-0.15PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-04-W

Quant Time: Jul 31 06:12:33 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE072815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 31 06:10:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	948	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	3892	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.21	164	2265	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	4888	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	2997	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	1615	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	1930	0.32	ng/ul	0.01
14) Fluoranthene-d10	18.97	212	4410	0.33	ng/ul	0.00

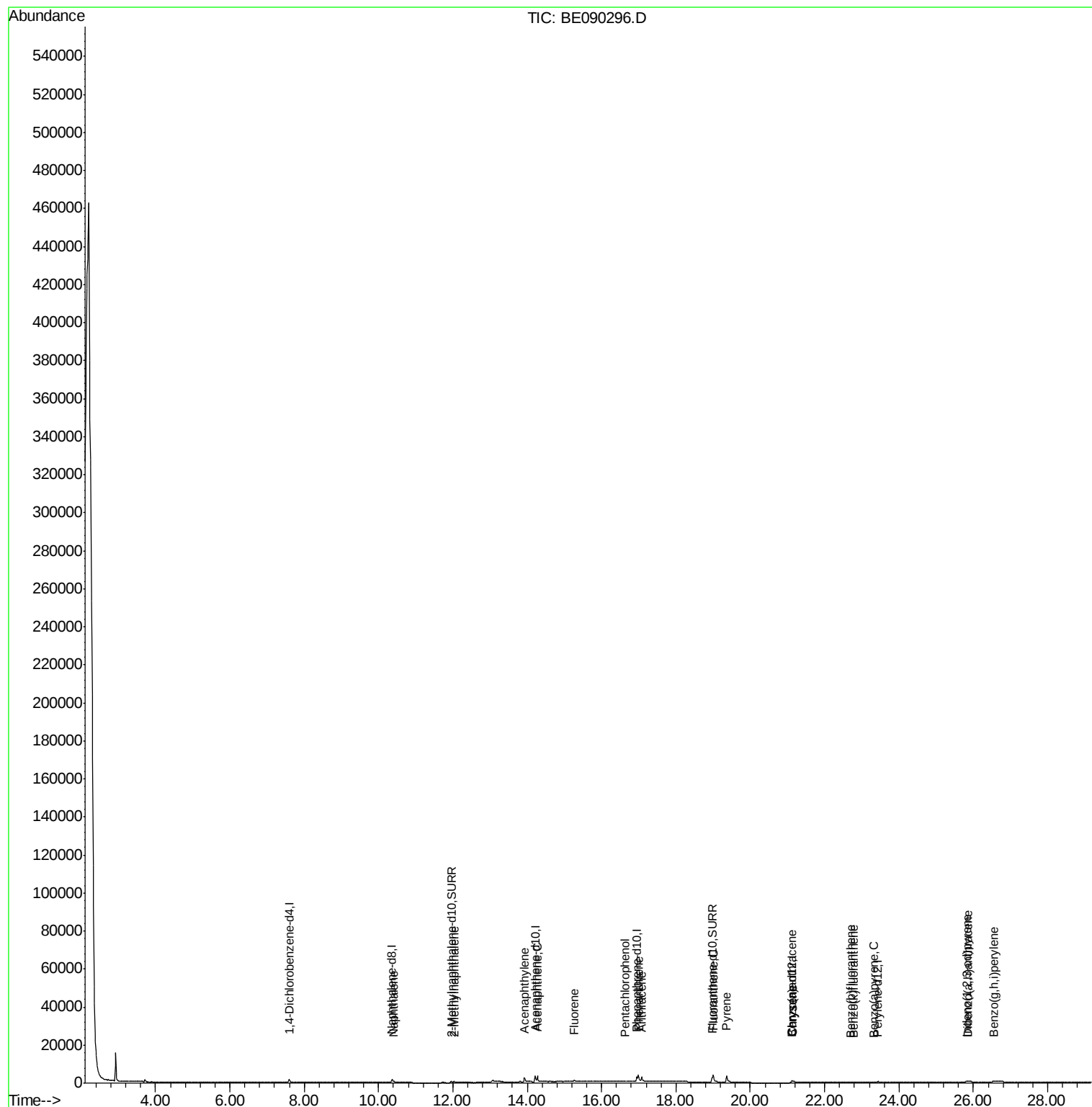
Target Compounds				Ovalue		
3) Naphthalene	10.41	128	1065	0.10	ng/ul#	84
5) 2-Methylnaphthalene	12.03	142	631	0.09	ng/ul	95
7) Acenaphthylene	13.92	152	4752	0.10	ng/ul#	89
8) Acenaphthene	14.27	153	3468	0.10	ng/ul	97
9) Fluorene	15.26	166	868	0.09	ng/ul#	92
11) Pentachlorophenol	16.63	266	44	0.14	ng/ul	91
12) Phenanthrene	16.99	178	5140	0.10	ng/ul#	88
13) Anthracene	17.07	178	5417	0.10	ng/ul#	85
15) Fluoranthene	19.00	202	6186	0.10	ng/ul	92
17) Pyrene	19.36	202	6487	0.12	ng/ul#	89
18) Benzo(a)anthracene	21.10	228	368	0.08	ng/ul#	75
19) Chrysene	21.16	228	1225	0.09	ng/ul#	83
21) Benzo(b)fluoranthene	22.72	252	253	0.10	ng/ul#	50
22) Benzo(k)fluoranthene	22.78	252	415	0.05	ng/ul#	55
23) Benzo(a)pyrene	23.32	252	99	0.03	ng/ul#	50
24) Indeno(1,2,3-cd)pyrene	25.83	276	790	0.08	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.85	278	104	0.09	ng/ul#	50
26) Benzo(g,h,i)perylene	26.56	276	1113	0.08	ng/ul#	47

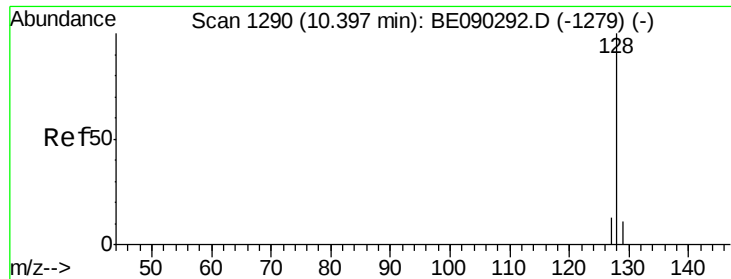
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 31 06:12:33 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE072815.M
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#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.41 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BE090296.D

Acq: 30 Jul 2015 13:58

Instrument :

BNA_E

ClientSampleId :

MDL-04-W

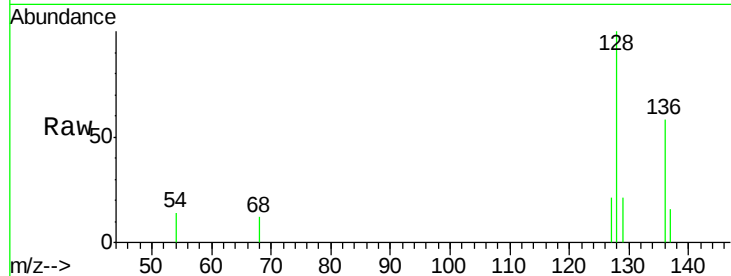
Tot Ion:128 Resp: 1065

Ion Ratio Lower Upper

128 100

129 20.7 10.4 15.6#

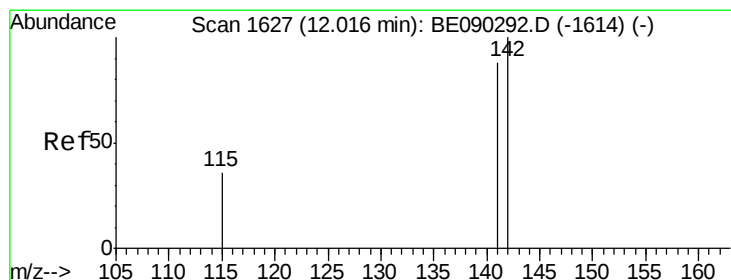
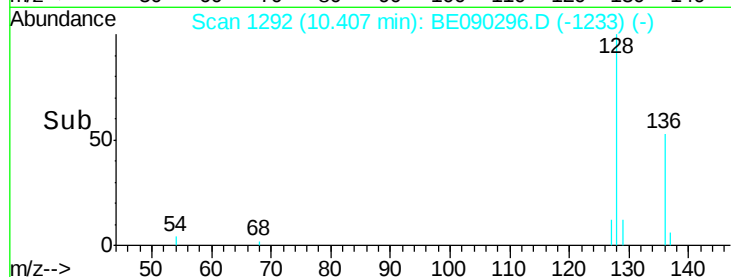
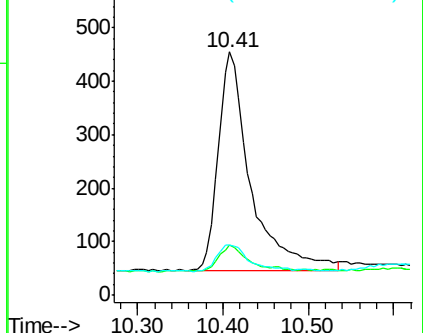
127 20.7 12.1 18.1#



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



#5

2-Methylnaphthalene

Concen: 0.09 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. 0.01 min

Lab File: BE090296.D

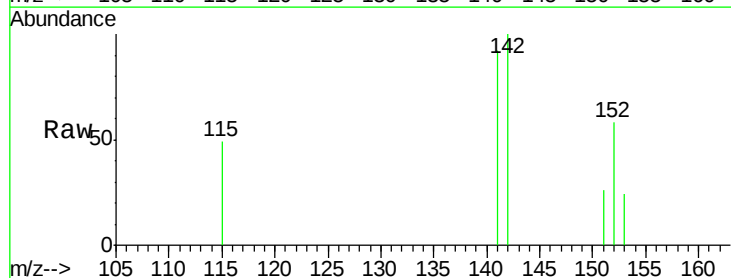
Acq: 30 Jul 2015 13:58

Tgt Ion:142 Resp: 631

Ion Ratio Lower Upper

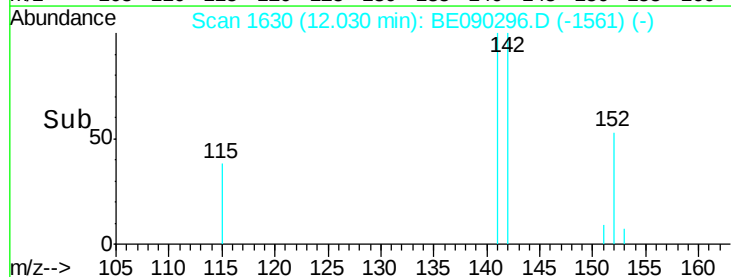
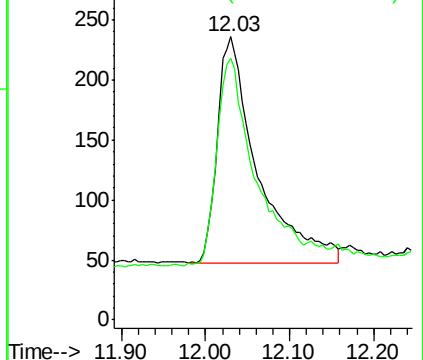
142 100

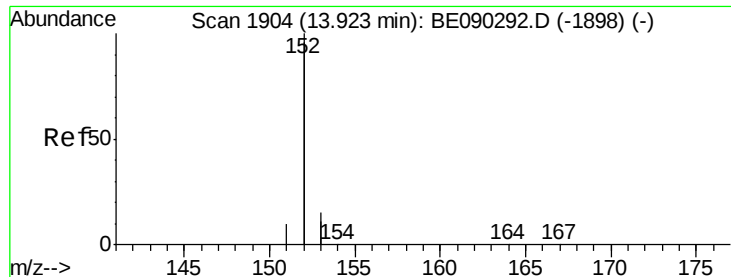
141 86.4 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.10 ng/ul

RT: 13.92 min Scan# 1904

Delta R.T. 0.00 min

Lab File: BE090296.D

Acq: 30 Jul 2015 13:58

Instrument :

BNA_E

ClientSampled :

MDL-04-W

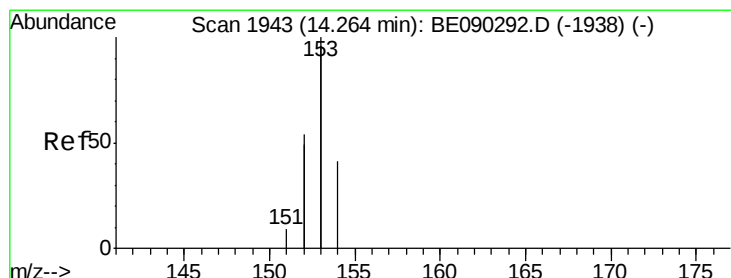
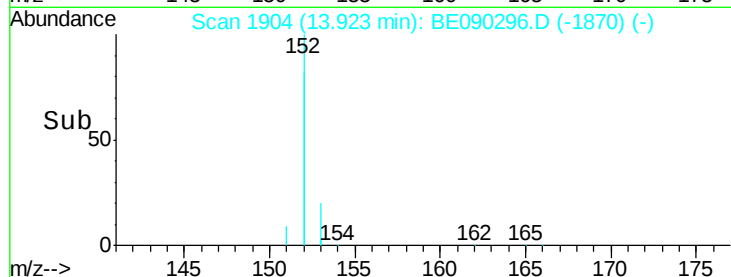
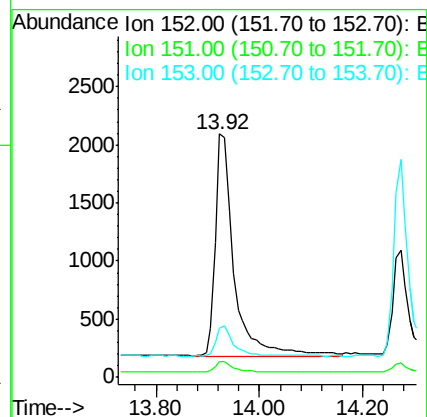
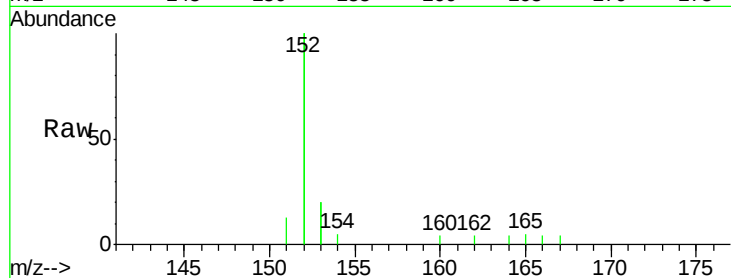
Tot Ion:152 Resp: 4752

Ion Ratio Lower Upper

152 100

151 6.6 4.3 6.5#

153 20.3 11.9 17.9#



#8

Acenaphthene

Concen: 0.10 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.01 min

Lab File: BE090296.D

Acq: 30 Jul 2015 13:58

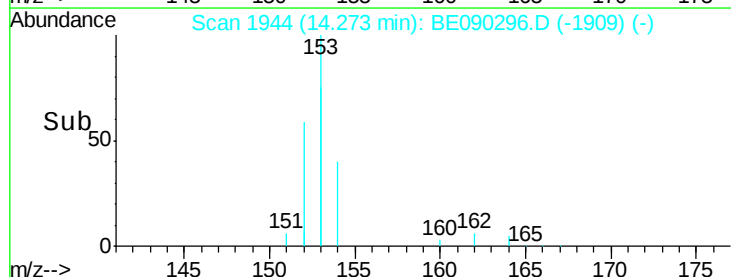
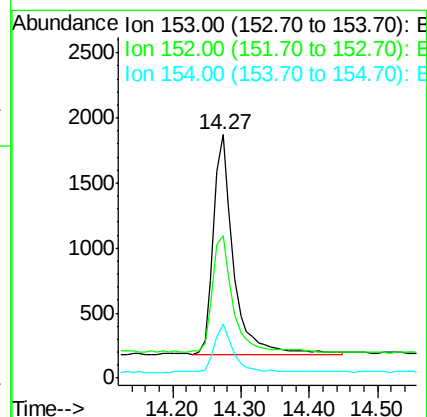
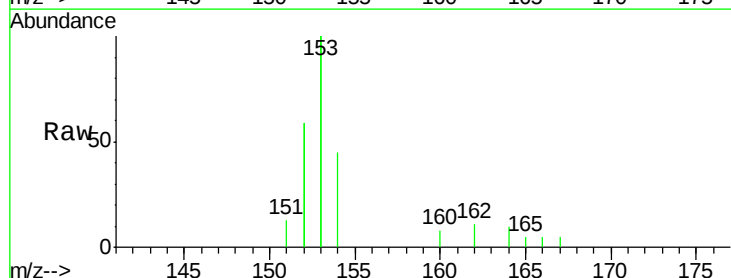
Tgt Ion:153 Resp: 3468

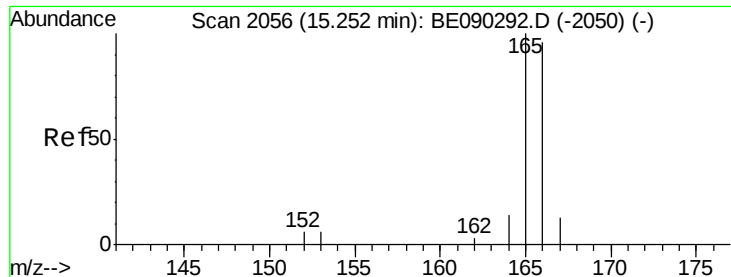
Ion Ratio Lower Upper

153 100

152 58.7 45.7 68.5

154 22.5 16.4 24.6





#9

Fluorene

Concen: 0.09 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BE090296.D

Acq: 30 Jul 2015 13:58

Instrument :

BNA_E

ClientSampleId :

MDL-04-W

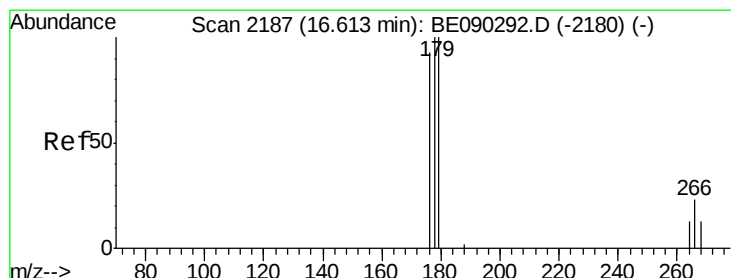
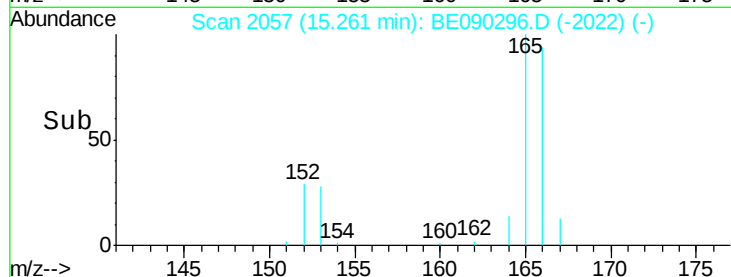
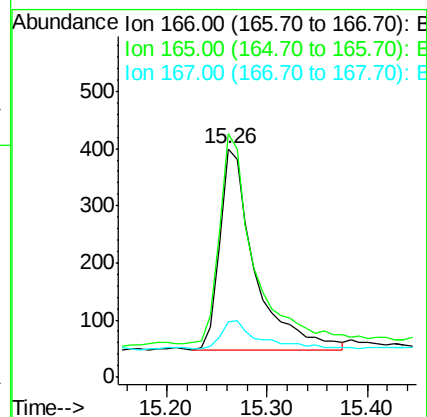
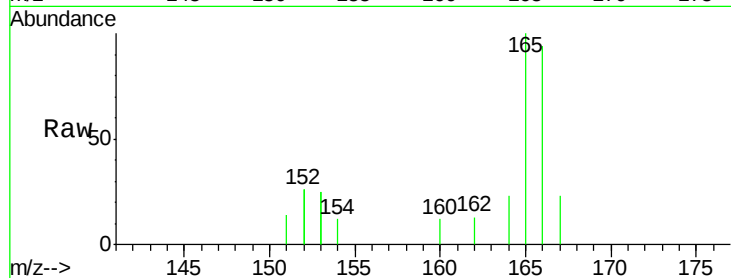
Tot Ion:166 Resp: 868

Ion Ratio Lower Upper

166 100

165 106.5 80.3 120.5

167 24.0 12.4 18.6#



#11

Pentachlorophenol

Concen: 0.14 ng/ul

RT: 16.63 min Scan# 2188

Delta R.T. 0.01 min

Lab File: BE090296.D

Acq: 30 Jul 2015 13:58

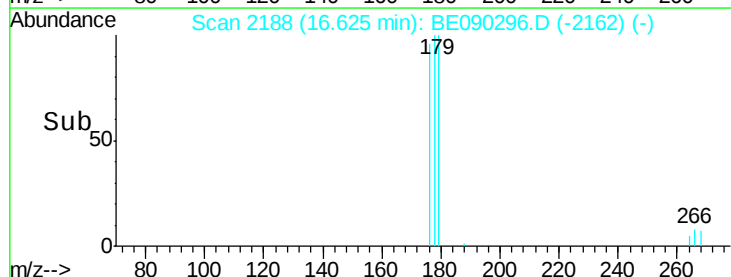
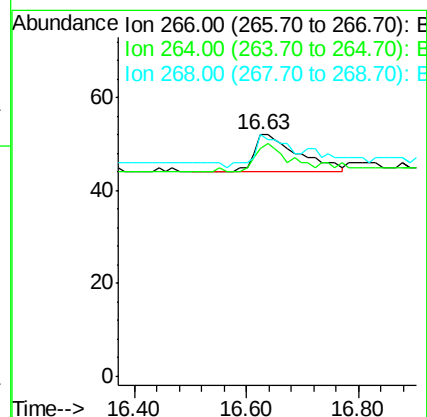
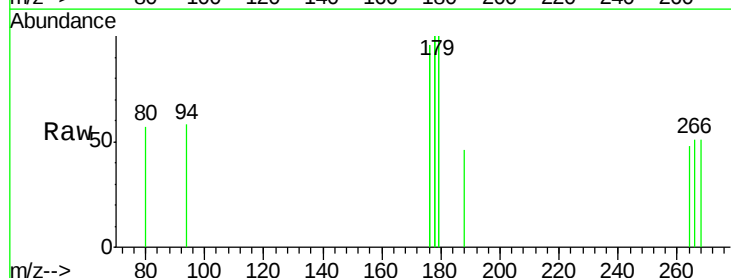
Tgt Ion:266 Resp: 44

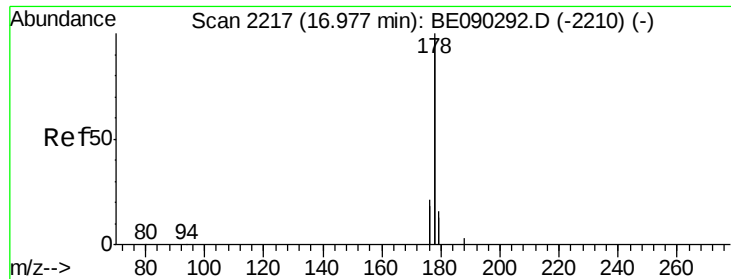
Ion Ratio Lower Upper

266 100

264 56.8 43.4 65.0

268 65.9 44.6 66.8





#12

Phenanthrene

Concen: 0.10 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BE090296.D

Acq: 30 Jul 2015 13:58

Instrument :

BNA_E

ClientSampleId :

MDL-04-W

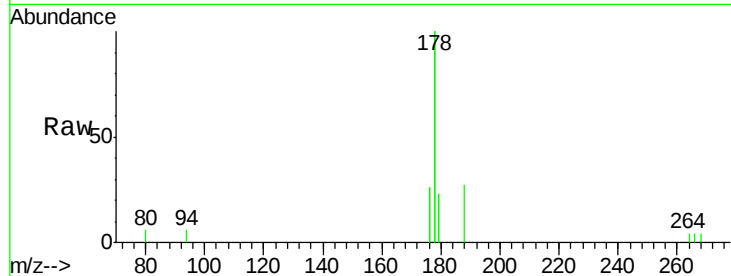
Tot Ion:178 Resp: 5140

Ion Ratio Lower Upper

178 100

176 26.1 17.3 25.9#

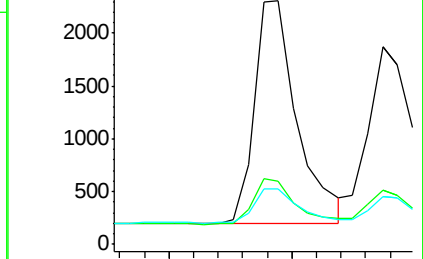
179 23.0 13.1 19.7#



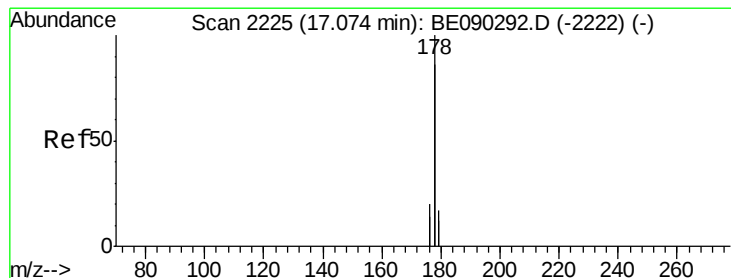
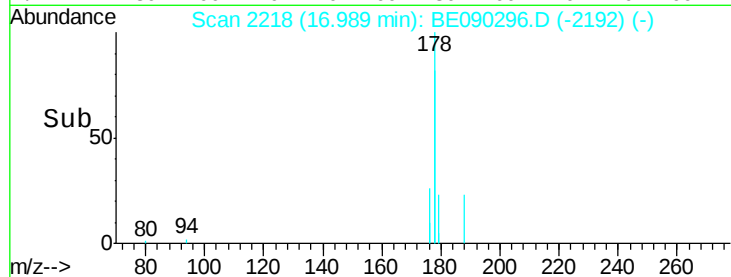
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#13

Anthracene

Concen: 0.10 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE090296.D

Acq: 30 Jul 2015 13:58

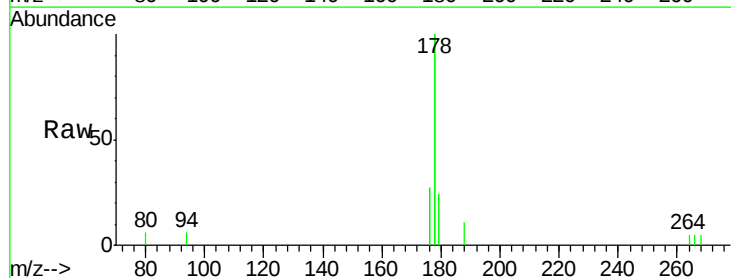
Tgt Ion:178 Resp: 5417

Ion Ratio Lower Upper

178 100

176 27.3 16.4 24.6#

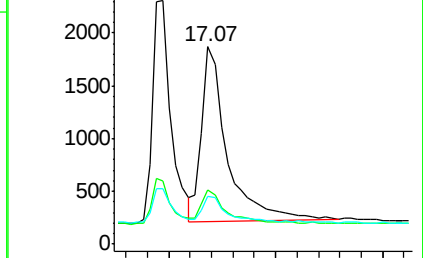
179 24.2 13.9 20.9#



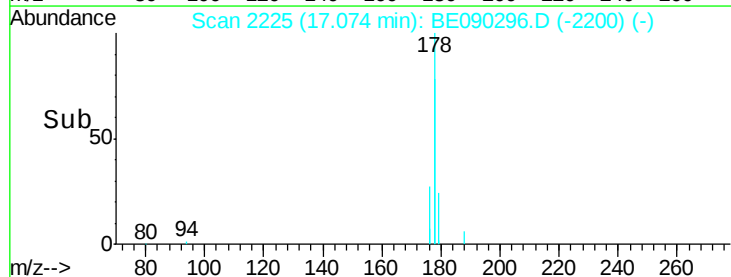
Abundance Ion 178.00 (177.70 to 178.70): E

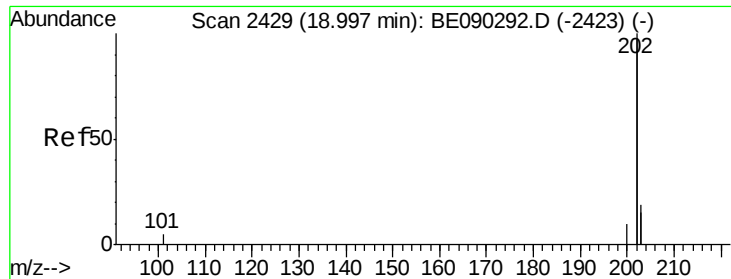
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#15

Fluoranthene

Concen: 0.10 ng/ul

RT: 19.00 min Scan# 2430

Delta R.T. 0.01 min

Lab File: BE090296.D

Acq: 30 Jul 2015 13:58

Instrument :

BNA_E

ClientSampleId :

MDL-04-W

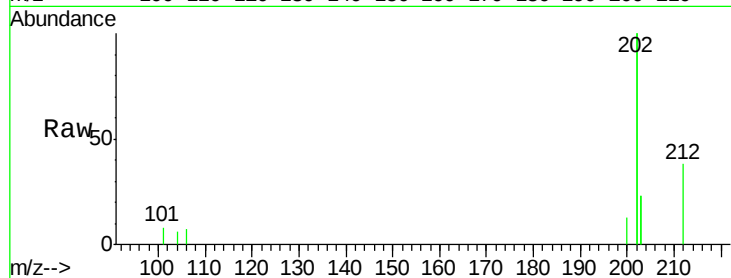
Tot Ion:202 Resp: 6186

Ion Ratio Lower Upper

202 100

101 3.8 0.0 22.9

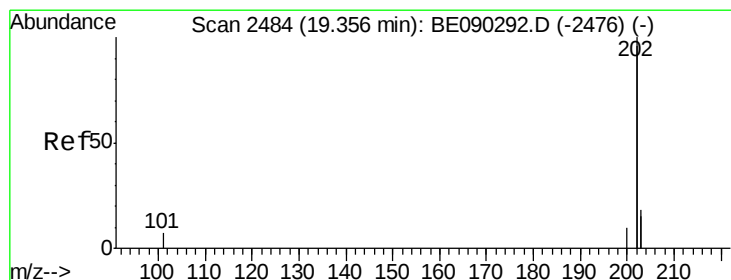
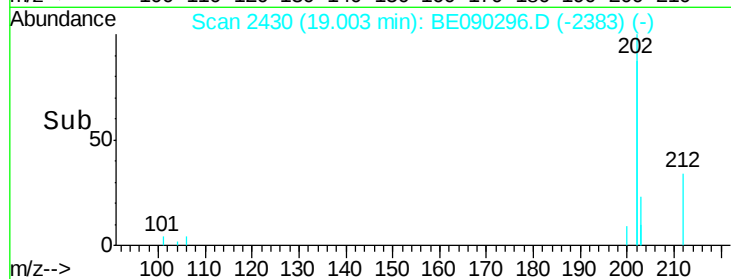
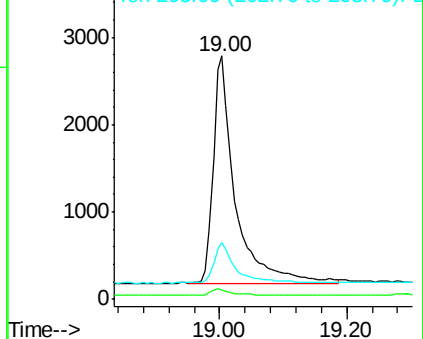
203 23.1 0.0 39.0



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



#17

Pyrene

Concen: 0.12 ng/ul

RT: 19.36 min Scan# 2485

Delta R.T. 0.01 min

Lab File: BE090296.D

Acq: 30 Jul 2015 13:58

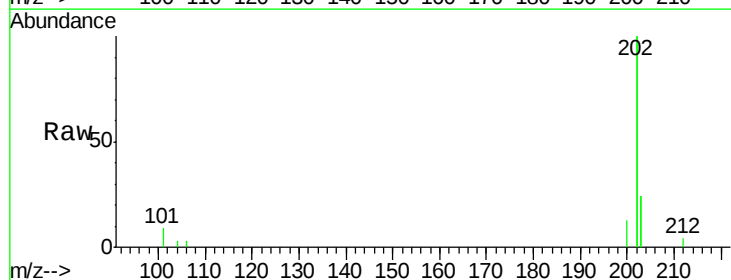
Tgt Ion:202 Resp: 6487

Ion Ratio Lower Upper

202 100

200 6.3 4.5 6.7

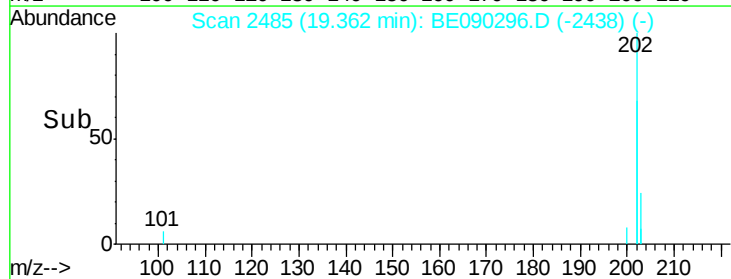
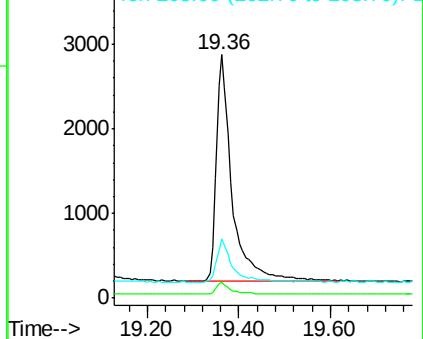
203 24.1 14.4 21.6#

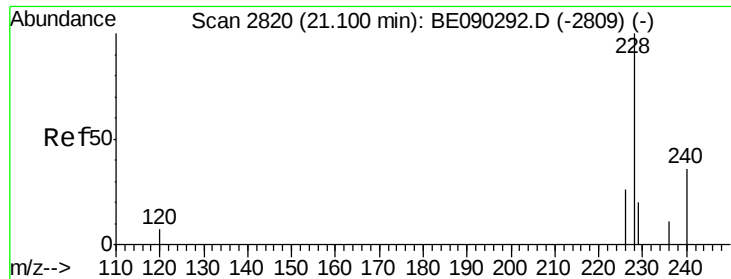


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.08 ng/ul

RT: 21.10 min Scan# 2821

Delta R.T. 0.00 min

Lab File: BE090296.D

Acq: 30 Jul 2015 13:58

Instrument :

BNA_E

ClientSampleId :

MDL-04-W

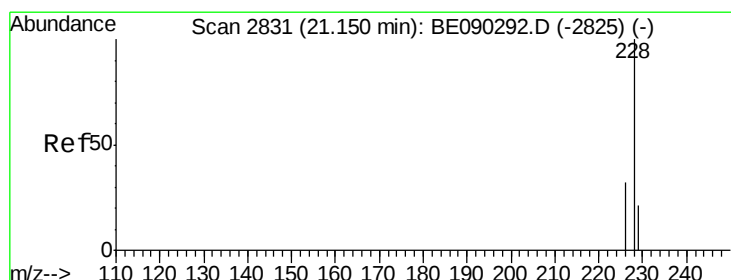
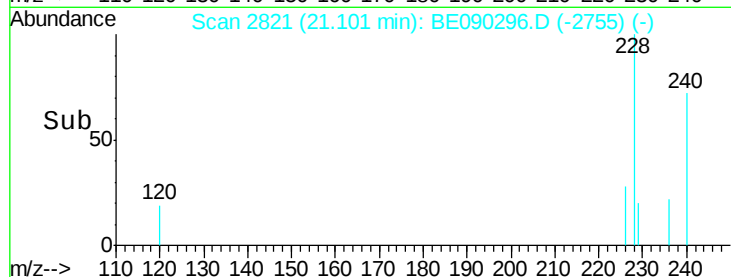
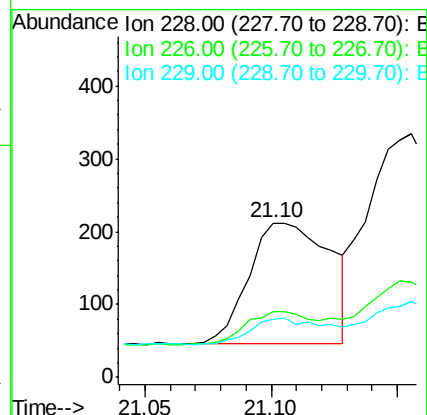
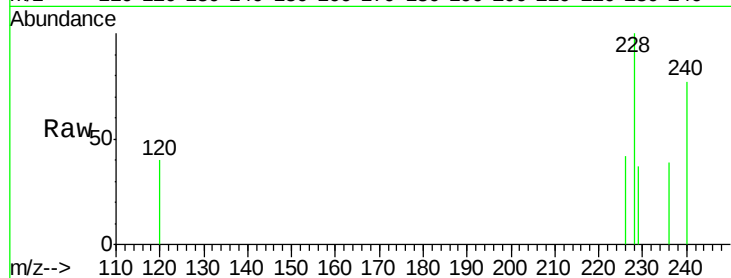
Tot Ion:228 Resp: 368

Ion Ratio Lower Upper

228 100

226 42.5 24.6 36.8#

229 37.3 17.9 26.9#



#19

Chrysene

Concen: 0.09 ng/ul

RT: 21.16 min Scan# 2833

Delta R.T. 0.01 min

Lab File: BE090296.D

Acq: 30 Jul 2015 13:58

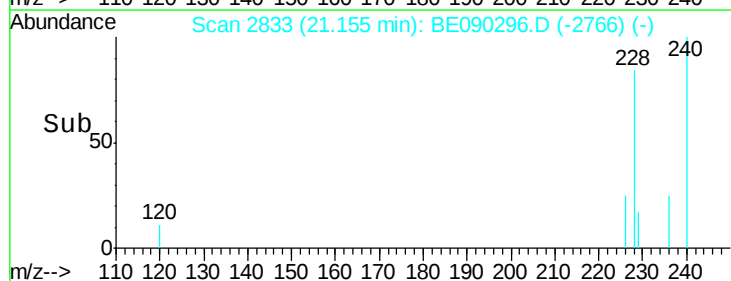
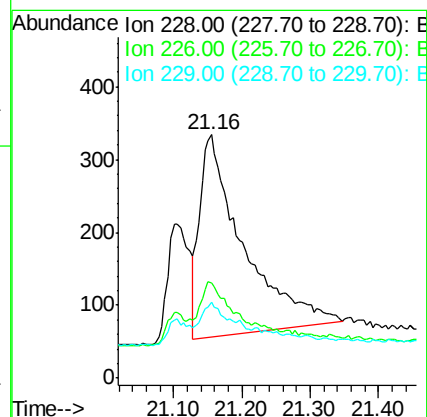
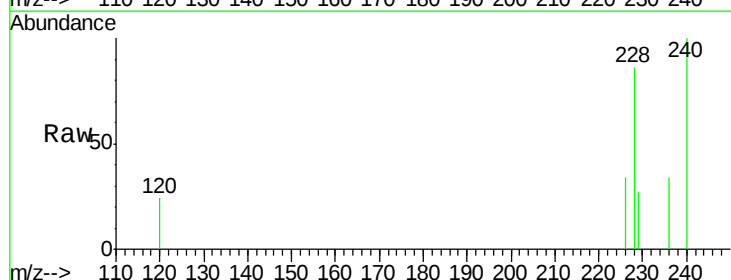
Tgt Ion:228 Resp: 1225

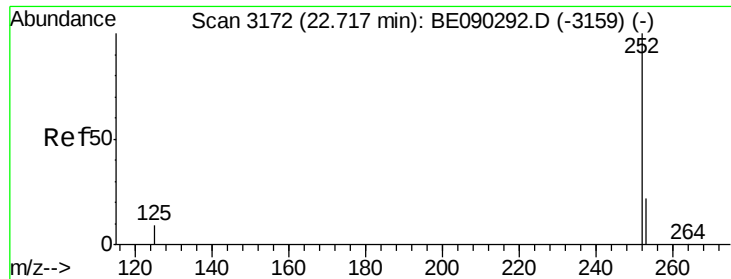
Ion Ratio Lower Upper

228 100

226 38.9 25.0 37.4#

229 31.1 16.6 24.8#

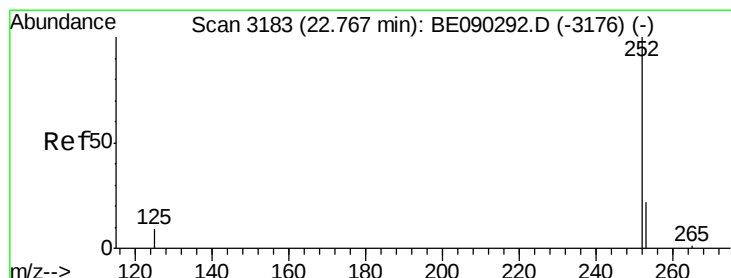
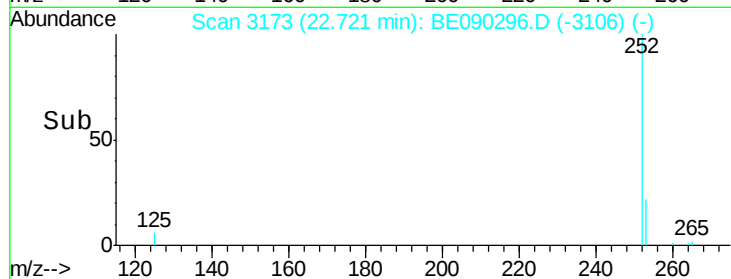
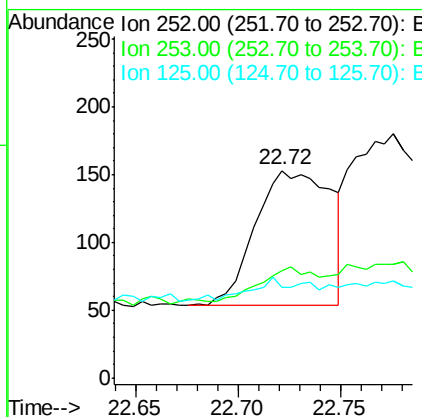
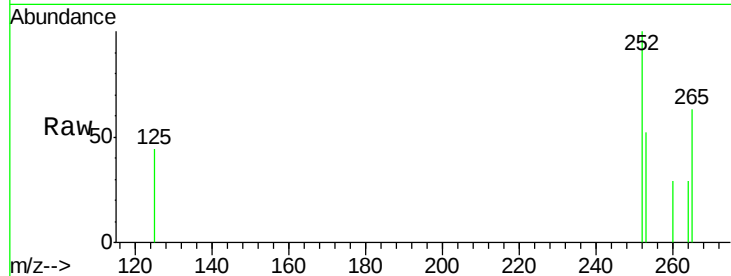




#21
Benzo(b)fluoranthene
Concen: 0.10 ng/ul
RT: 22.72 min Scan# 3173
Delta R.T. 0.00 min
Lab File: BE090296.D
Acq: 30 Jul 2015 13:58

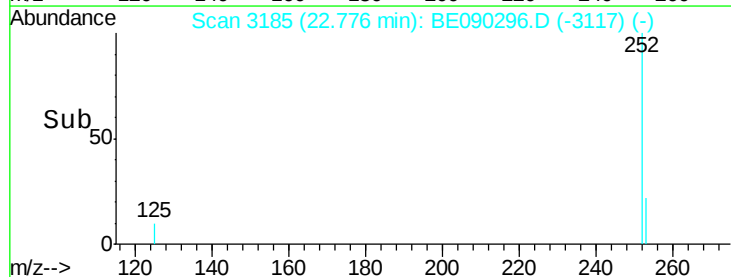
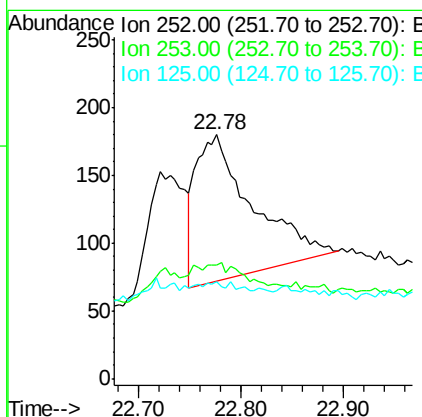
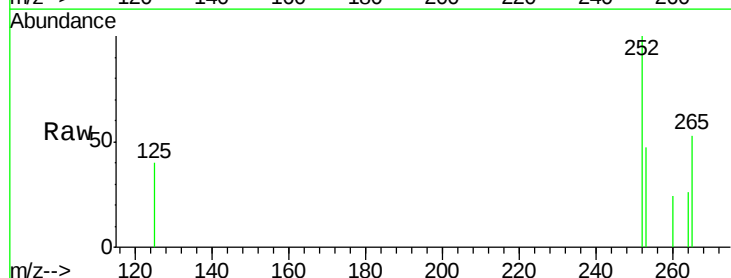
Instrument :
BNA_E
ClientSampleId :
MDL-04-W

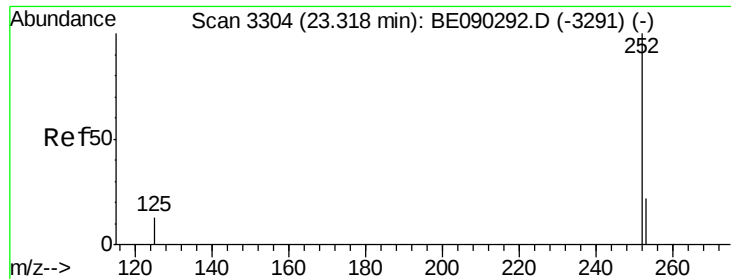
Tot Ion:252 Resp: 253
Ion Ratio Lower Upper
252 100
253 51.6 0.0 57.2
125 43.8 0.0 34.6#



#22
Benzo(k)fluoranthene
Concen: 0.05 ng/ul
RT: 22.78 min Scan# 3185
Delta R.T. 0.01 min
Lab File: BE090296.D
Acq: 30 Jul 2015 13:58

Tgt Ion:252 Resp: 415
Ion Ratio Lower Upper
252 100
253 46.7 21.3 31.9#
125 40.0 13.3 19.9#





#23

Benzo(a)pyrene

Concen: 0.03 ng/ul

RT: 23.32 min Scan# 3305

Delta R.T. 0.00 min

Lab File: BE090296.D

Acq: 30 Jul 2015 13:58

Instrument :

BNA_E

ClientSampleId :

MDL-04-W

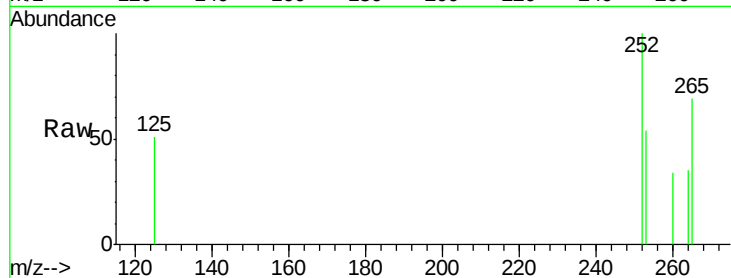
Tot Ion:252 Resp: 99

Ion Ratio Lower Upper

252 100

253 53.7 24.9 37.3#

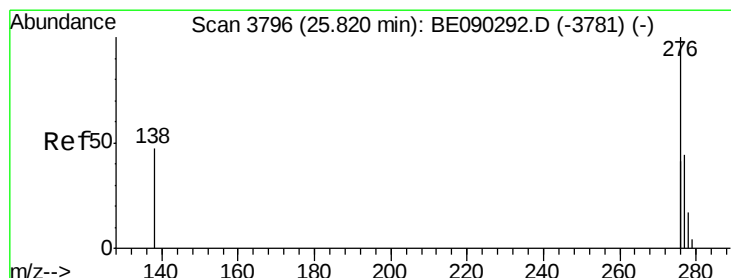
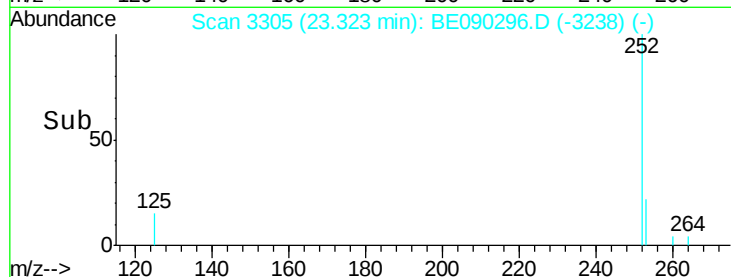
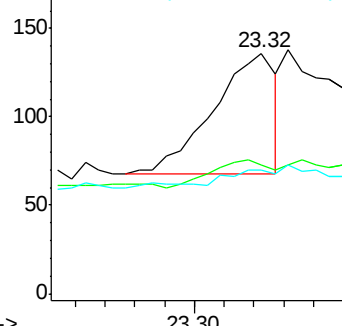
125 51.5 17.5 26.3#



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

Indeno(1,2,3-cd)pyrene

Concen: 0.08 ng/ul

RT: 25.83 min Scan# 3798

Delta R.T. 0.01 min

Lab File: BE090296.D

Acq: 30 Jul 2015 13:58

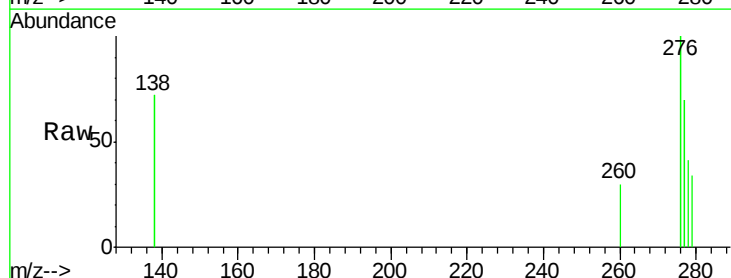
Tgt Ion:276 Resp: 790

Ion Ratio Lower Upper

276 100

138 13.7 13.5 20.3

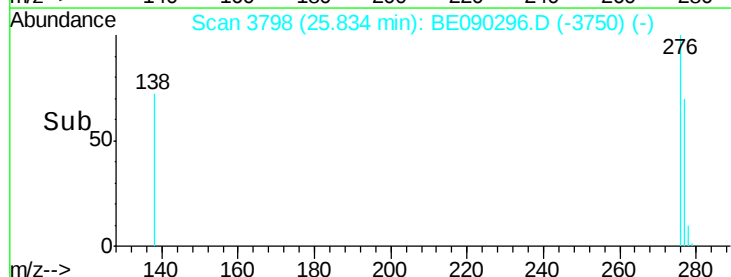
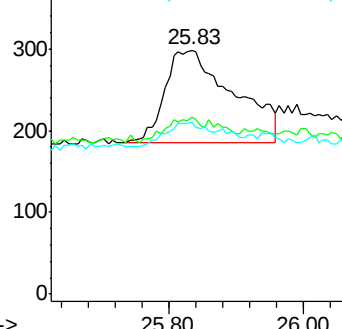
277 15.8 16.4 24.6#

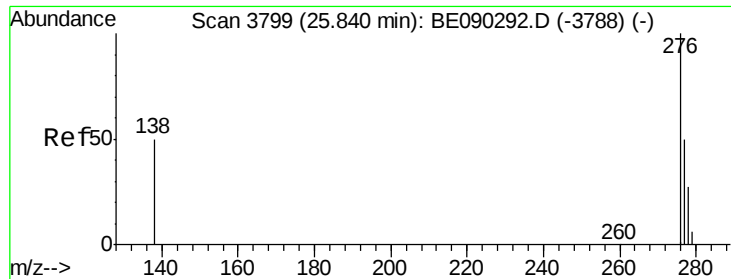


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.09 ng/ul

RT: 25.85 min Scan# 3801

Delta R.T. 0.01 min

Lab File: BE090296.D

Acq: 30 Jul 2015 13:58

Instrument :

BNA_E

ClientSampleId :

MDL-04-W

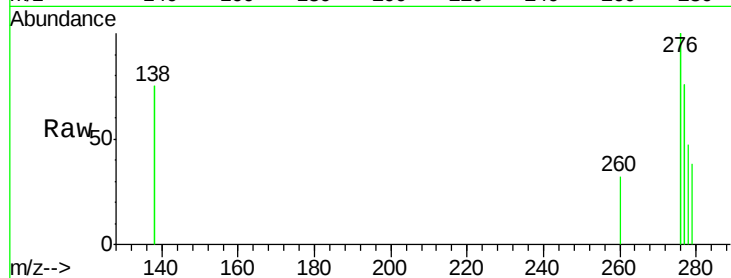
Tot Ion:278 Resp: 104

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

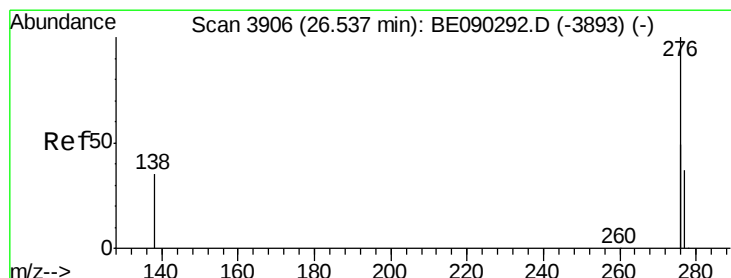
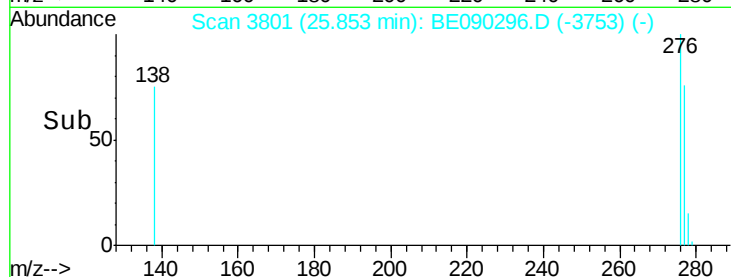
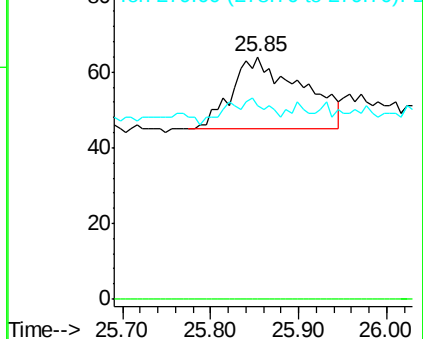
279 79.7 37.4 56.0#



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



#26

Benzo(g,h,i)perylene

Concen: 0.08 ng/ul

RT: 26.56 min Scan# 3909

Delta R.T. 0.02 min

Lab File: BE090296.D

Acq: 30 Jul 2015 13:58

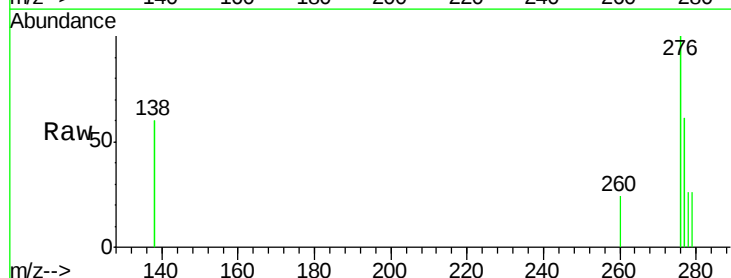
Tgt Ion:276 Resp: 1113

Ion Ratio Lower Upper

276 100

277 60.6 25.5 38.3#

138 59.6 23.9 35.9#



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

