

Data Path : Z:\HPCHEM1\BNA E\DATA\BE073015\
 Data File : BE090293.D
 Acq On : 30 Jul 2015 12:11
 Operator : TP/IZ
 Sample : MDL-01-W
 Misc : MDL-SIM2.2-WATER-0.15PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-01-W

Quant Time: Jul 31 06:12:02 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	763	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	3313	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2097	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	4693	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	2500	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	1563	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.96	152	1844	0.36	ng/ul	0.02
14) Fluoranthene-d10	18.97	212	4207	0.32	ng/ul	0.00

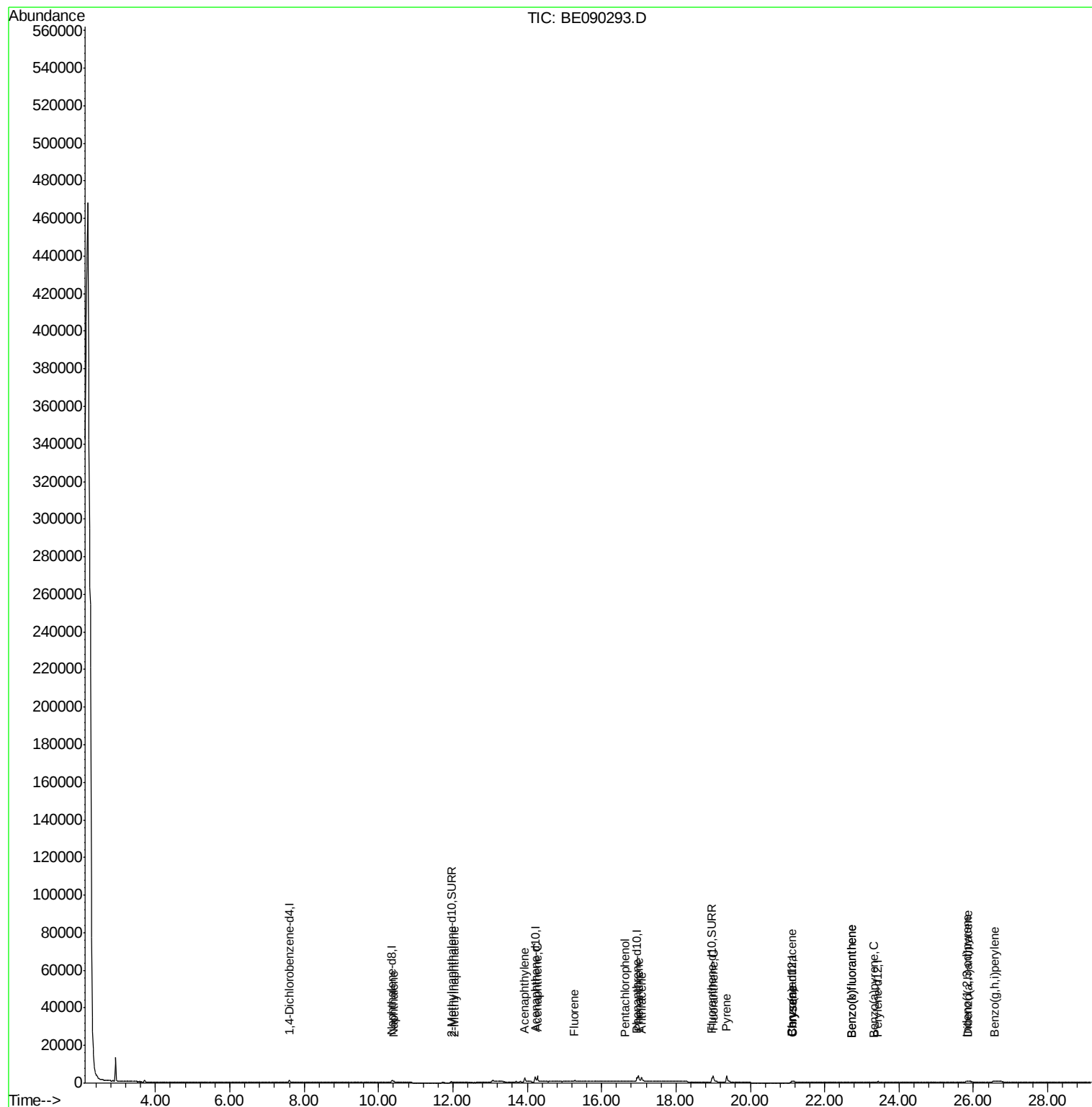
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.41	128	937	0.11	ng/ul#	79
5) 2-Methylnaphthalene	12.03	142	598	0.11	ng/ul	96
7) Acenaphthylene	13.93	152	4539	0.10	ng/ul#	87
8) Acenaphthene	14.27	153	3304	0.10	ng/ul	97
9) Fluorene	15.27	166	830	0.10	ng/ul#	92
11) Pentachlorophenol	16.64	266	55	0.18	ng/ul#	83
12) Phenanthrene	16.99	178	5079	0.10	ng/ul#	91
13) Anthracene	17.07	178	5123	0.10	ng/ul#	85
15) Fluoranthene	19.00	202	5919	0.10	ng/ul	93
17) Pyrene	19.36	202	6217	0.13	ng/ul#	89
18) Benzo(a)anthracene	21.11	228	346	0.09	ng/ul#	71
19) Chrysene	21.16	228	903	0.08	ng/ul#	83
21) Benzo(b)fluoranthene	22.73	252	199	0.09	ng/ul#	42
22) Benzo(k)fluoranthene	22.73	252	199	0.03	ng/ul#	38
23) Benzo(a)pyrene	23.33	252	205	0.06	ng/ul#	46
24) Indeno(1,2,3-cd)pyrene	25.83	276	675	0.07	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.85	278	104	0.09	ng/ul#	45
26) Benzo(g,h,i)perylene	26.56	276	1239	0.09	ng/ul#	46

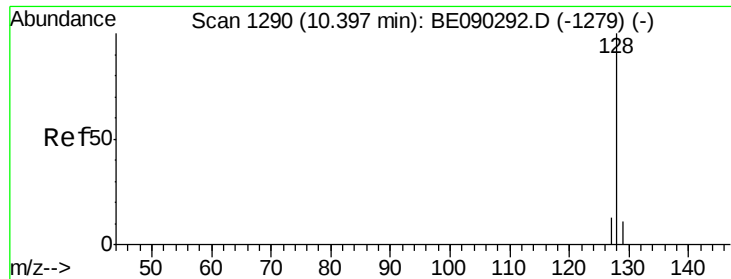
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 31 06:12:02 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE072815.M
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#3

Naphthalene

Concen: 0.11 ng/ul

RT: 10.41 min Scan# 1293

Delta R.T. 0.02 min

Lab File: BE090293.D

Acq: 30 Jul 2015 12:11

Instrument :

BNA_E

ClientSampleId :

MDL-01-W

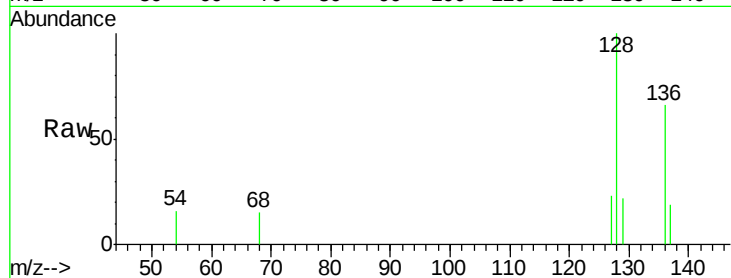
Tot Ion:128 Resp: 937

Ion Ratio Lower Upper

128 100

129 22.1 10.4 15.6#

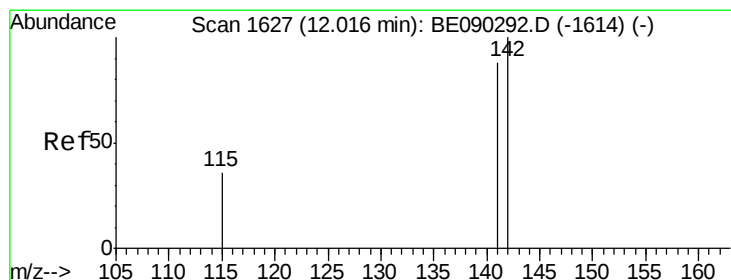
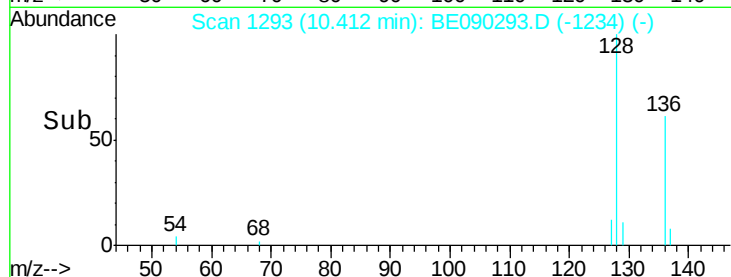
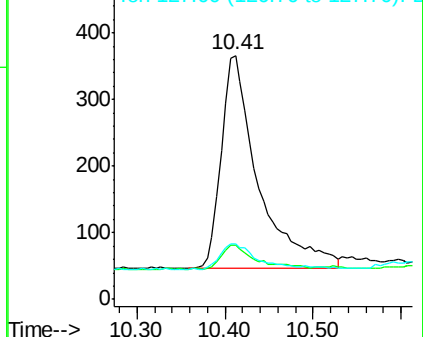
127 23.0 12.1 18.1#



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: 0.11 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. 0.01 min

Lab File: BE090293.D

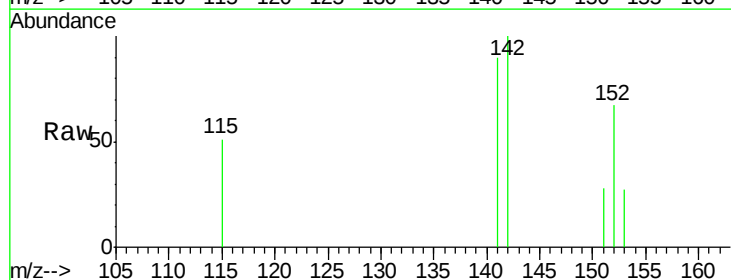
Acq: 30 Jul 2015 12:11

Tgt Ion:142 Resp: 598

Ion Ratio Lower Upper

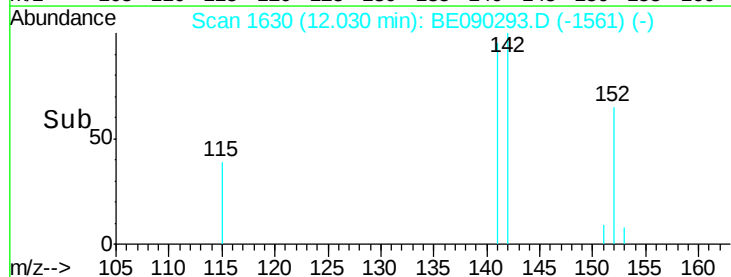
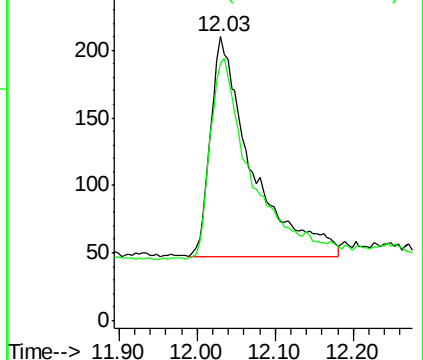
142 100

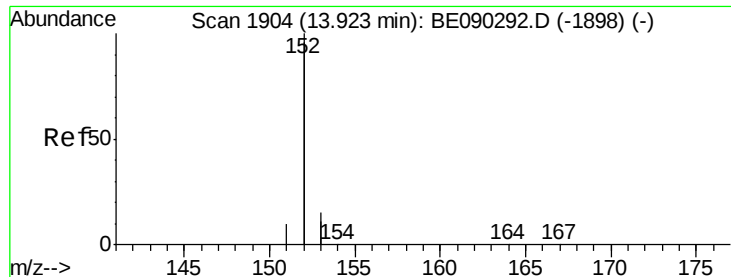
141 87.5 73.0 109.4



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: 13.93 min Scan# 1905

Delta R.T. 0.01 min

Lab File: BE090293.D

Acq: 30 Jul 2015 12:11

Instrument :

BNA_E

ClientSampled :

MDL-01-W

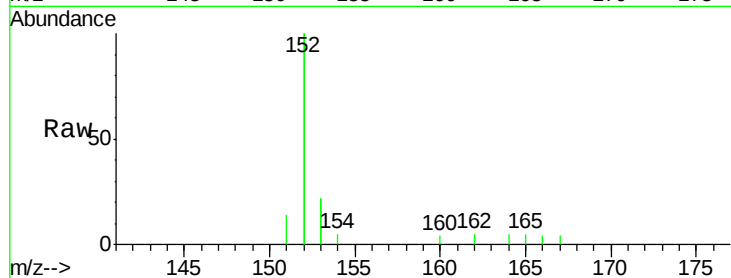
Tot Ion:152 Resp: 4539

Ion Ratio Lower Upper

152 100

151 6.9 4.3 6.5#

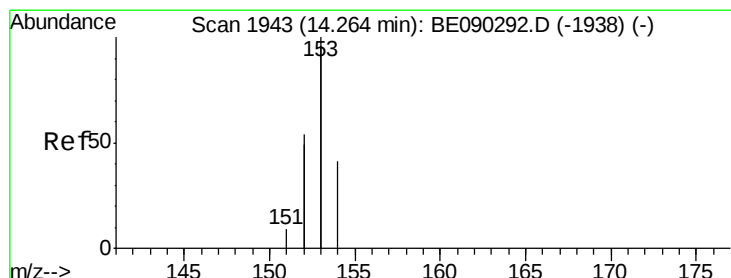
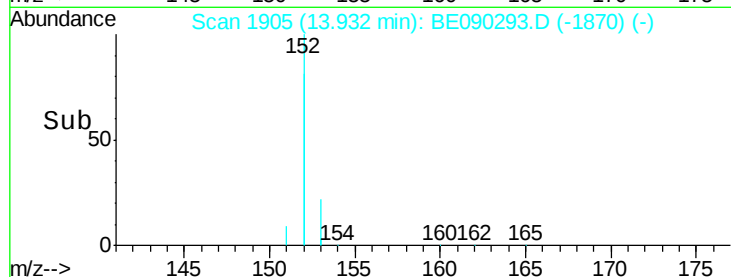
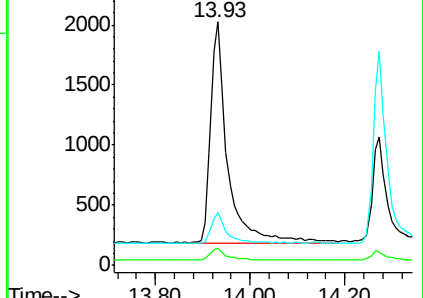
153 21.5 11.9 17.9#



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



#8

Acenaphthene

Concen: 0.10 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.01 min

Lab File: BE090293.D

Acq: 30 Jul 2015 12:11

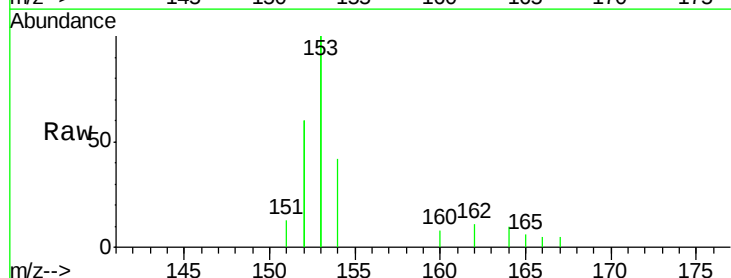
Tgt Ion:153 Resp: 3304

Ion Ratio Lower Upper

153 100

152 60.0 45.7 68.5

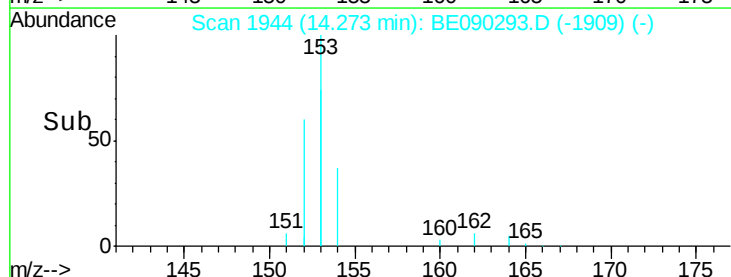
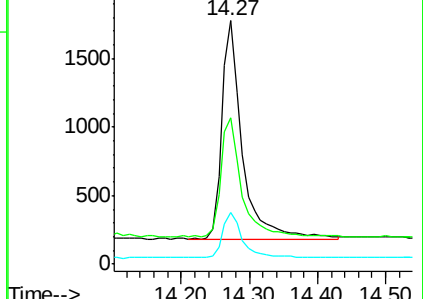
154 21.0 16.4 24.6

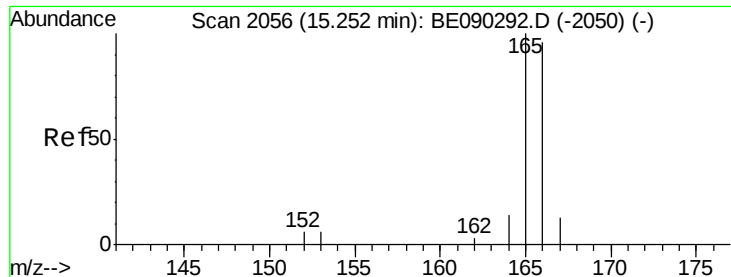


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.10 ng/ul

RT: 15.27 min Scan# 2058

Delta R.T. 0.02 min

Lab File: BE090293.D

Acq: 30 Jul 2015 12:11

Instrument :

BNA_E

ClientSampleId :

MDL-01-W

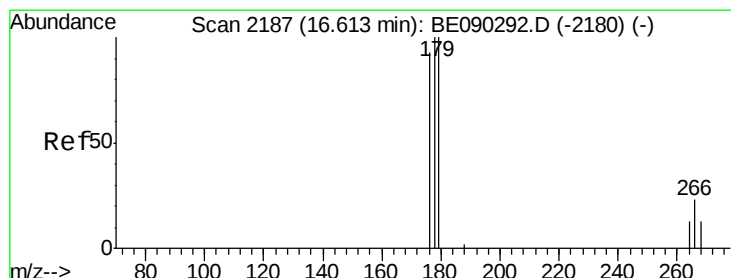
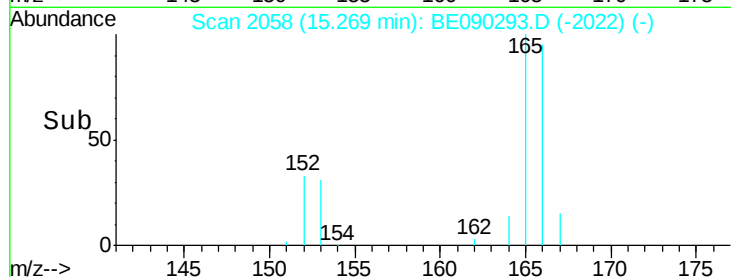
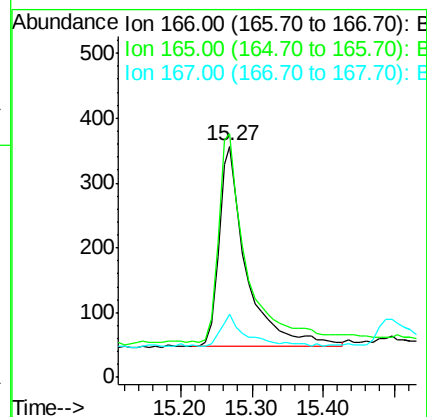
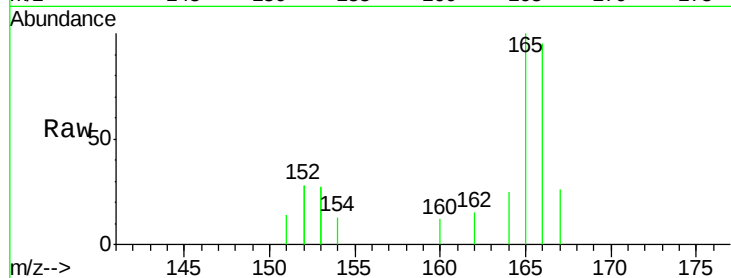
Tot Ion:166 Resp: 830

Ion Ratio Lower Upper

166 100

165 105.3 80.3 120.5

167 27.2 12.4 18.6#



#11

Pentachlorophenol

Concen: 0.18 ng/ul

RT: 16.64 min Scan# 2189

Delta R.T. 0.02 min

Lab File: BE090293.D

Acq: 30 Jul 2015 12:11

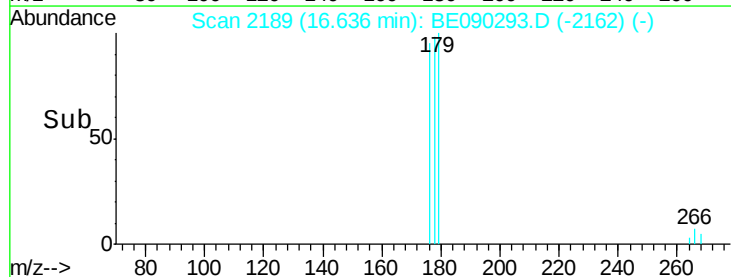
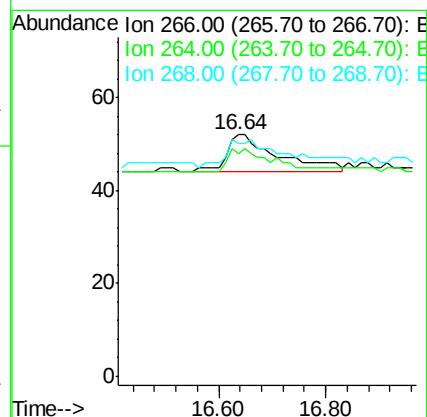
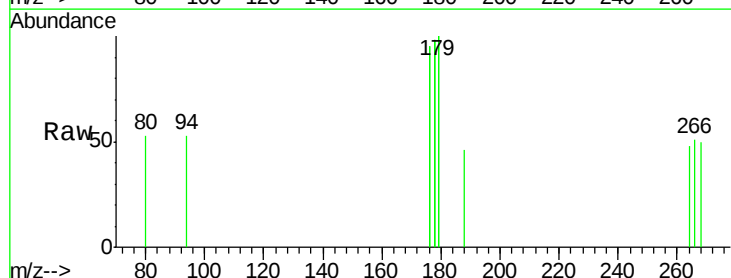
Tgt Ion:266 Resp: 55

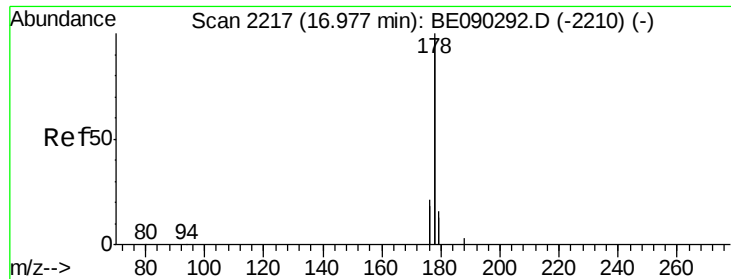
Ion Ratio Lower Upper

266 100

264 49.1 43.4 65.0

268 74.5 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: BE090293.D

Acq: 30 Jul 2015 12:11

Instrument :

BNA_E

ClientSampleId :

MDL-01-W

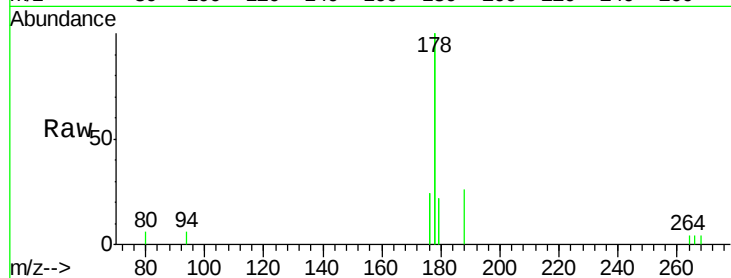
Tot Ion:178 Resp: 5079

Ion Ratio Lower Upper

178 100

176 24.4 17.3 25.9

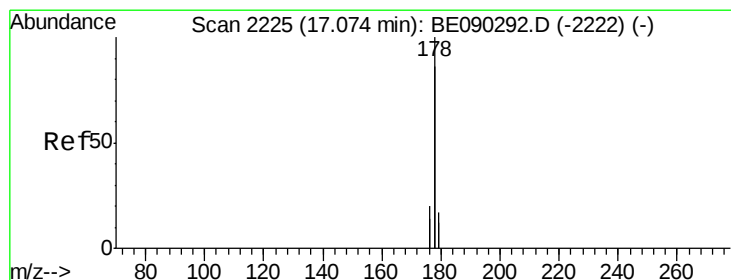
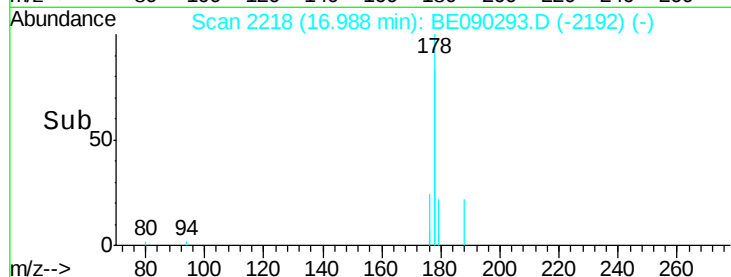
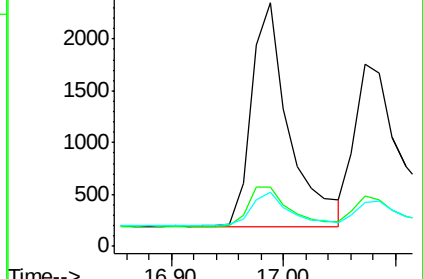
179 22.5 13.1 19.7#



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



#13

Anthracene

Concen: 0.10 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE090293.D

Acq: 30 Jul 2015 12:11

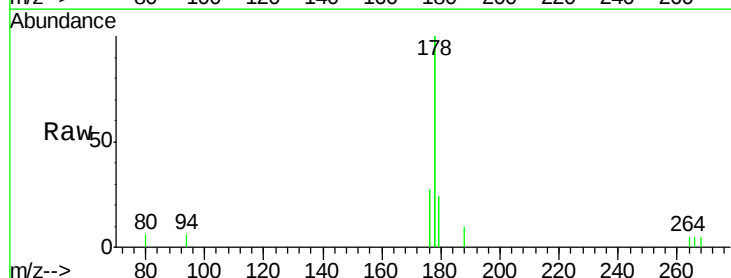
Tgt Ion:178 Resp: 5123

Ion Ratio Lower Upper

178 100

176 27.4 16.4 24.6#

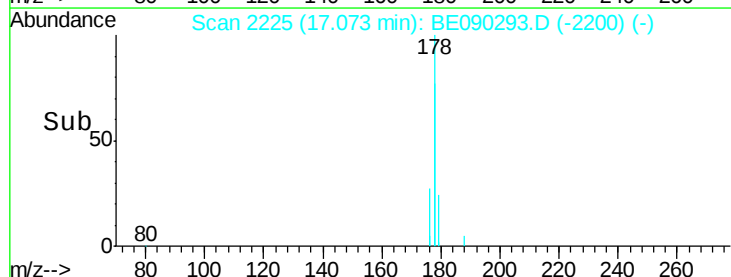
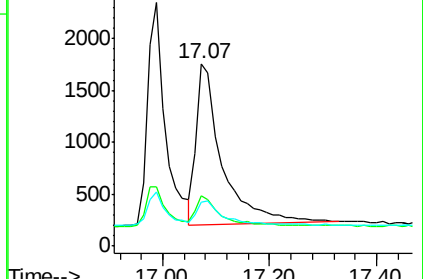
179 24.3 13.9 20.9#

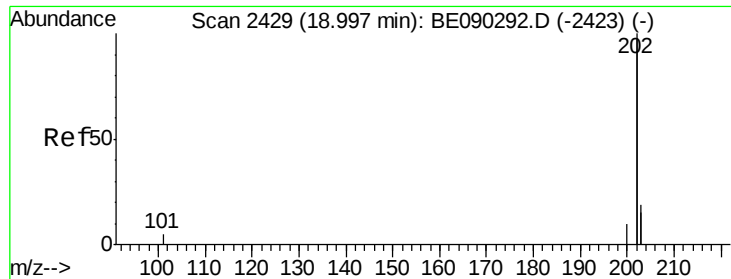


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

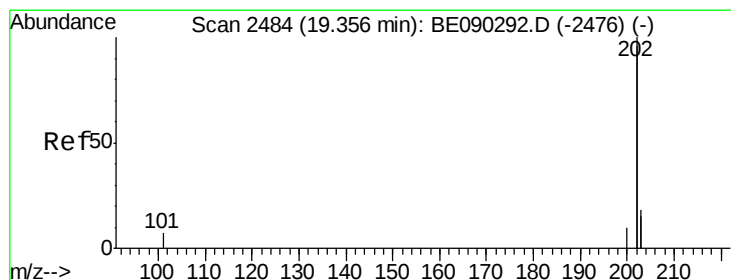
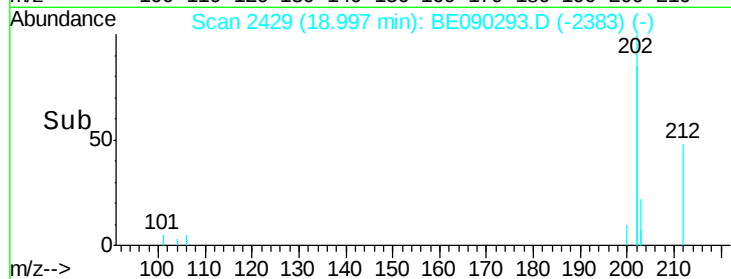
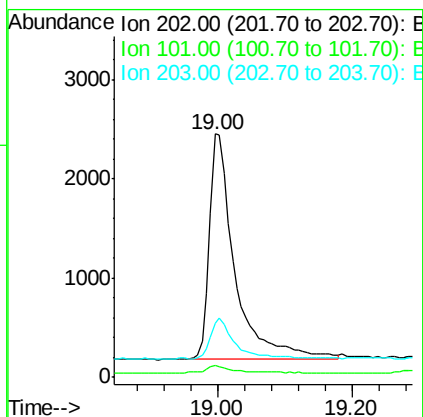
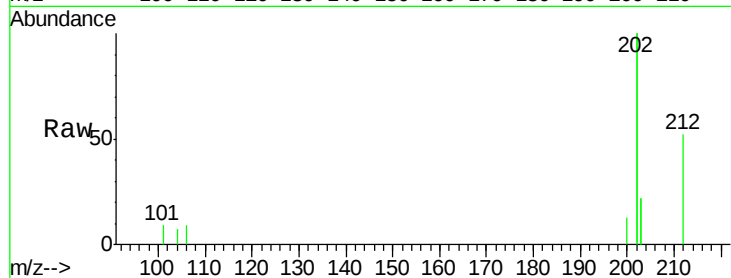




#15
Fluoranthene
 Concen: 0.10 ng/ul
 RT: 19.00 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: BE090293.D
 Acq: 30 Jul 2015 12:11

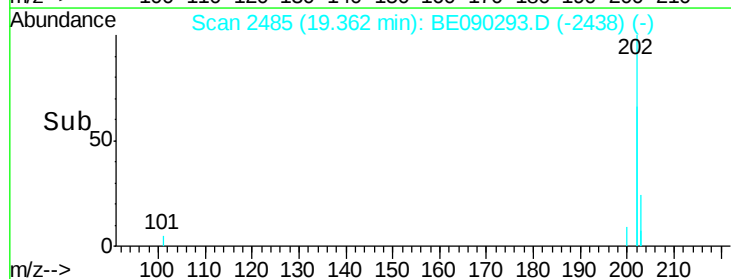
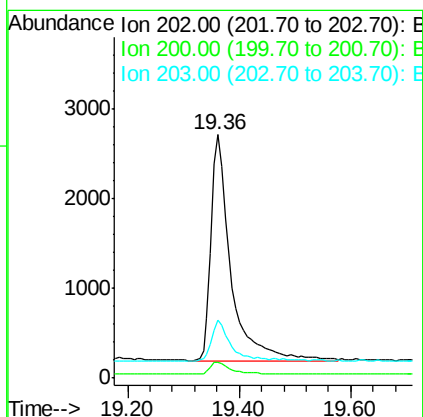
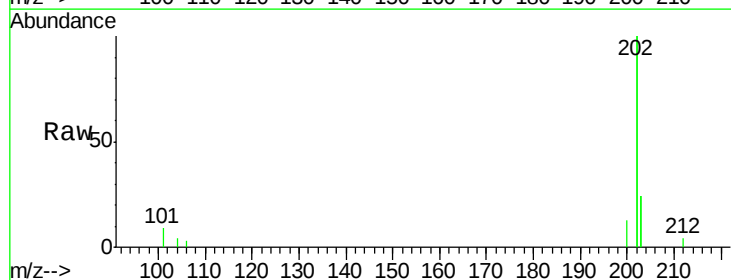
Instrument :
 BNA_E
 ClientSampleId :
 MDL-01-W

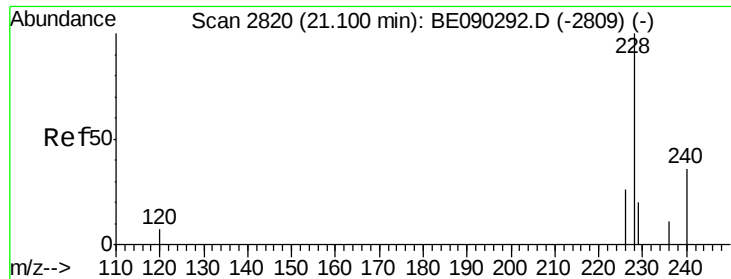
Tot Ion:202 Resp: 5919
 Ion Ratio Lower Upper
 202 100
 101 4.6 0.0 22.9
 203 22.2 0.0 39.0



#17
Pyrene
 Concen: 0.13 ng/ul
 RT: 19.36 min Scan# 2485
 Delta R.T. 0.01 min
 Lab File: BE090293.D
 Acq: 30 Jul 2015 12:11

Tgt Ion:202 Resp: 6217
 Ion Ratio Lower Upper
 202 100
 200 6.6 4.5 6.7
 203 23.9 14.4 21.6#





#18

Benzo(a)anthracene

Concen: 0.09 ng/ul

RT: 21.11 min Scan# 2822

Delta R.T. 0.01 min

Lab File: BE090293.D

Acq: 30 Jul 2015 12:11

Instrument :

BNA_E

ClientSampleId :

MDL-01-W

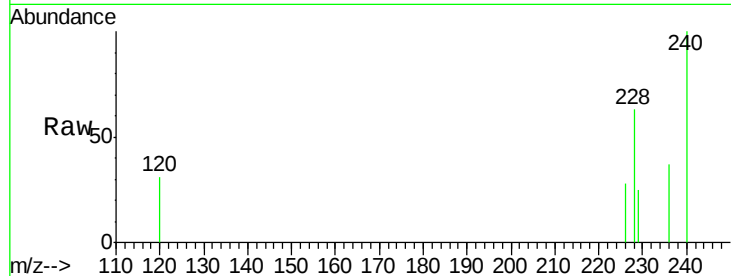
Tot Ion:228 Resp: 346

Ion Ratio Lower Upper

228 100

226 44.0 24.6 36.8#

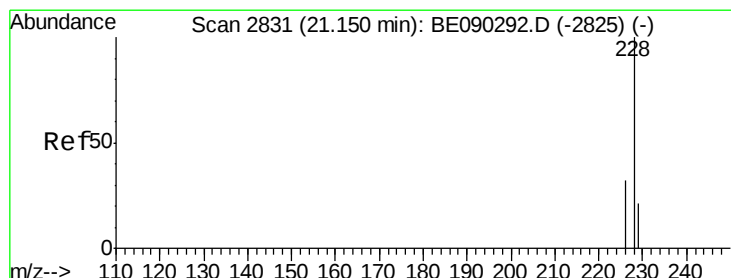
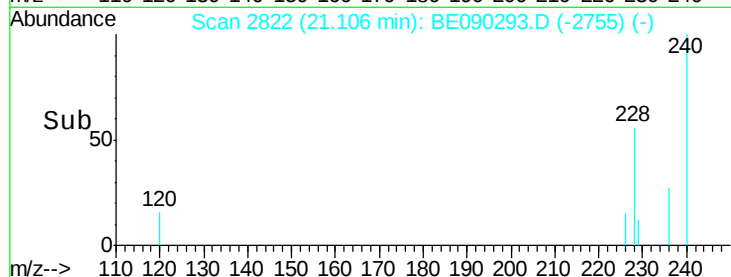
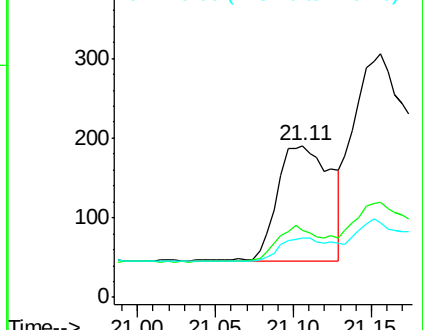
229 39.3 17.9 26.9#



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



#19

Chrysene

Concen: 0.08 ng/ul

RT: 21.16 min Scan# 2833

Delta R.T. 0.01 min

Lab File: BE090293.D

Acq: 30 Jul 2015 12:11

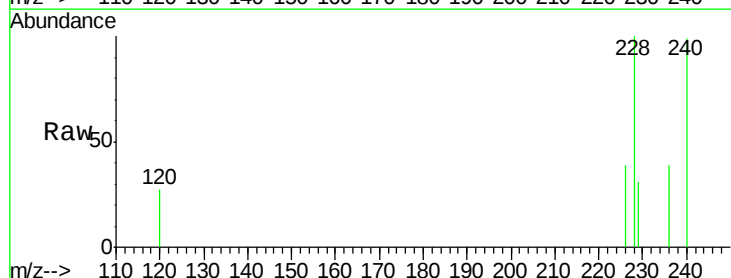
Tgt Ion:228 Resp: 903

Ion Ratio Lower Upper

228 100

226 38.9 25.0 37.4#

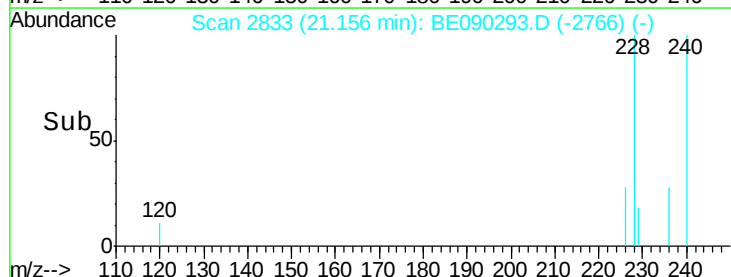
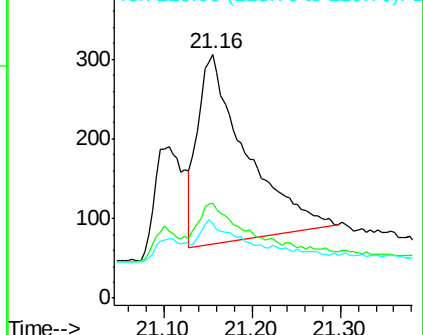
229 30.7 16.6 24.8#

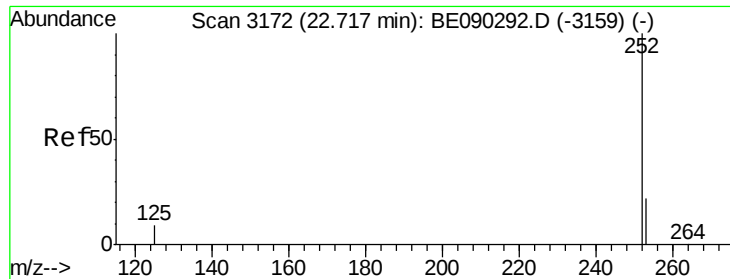


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.09 ng/ul

RT: 22.73 min Scan# 3174

Delta R.T. 0.01 min

Lab File: BE090293.D

Acq: 30 Jul 2015 12:11

Instrument :

BNA_E

ClientSampleId :

MDL-01-W

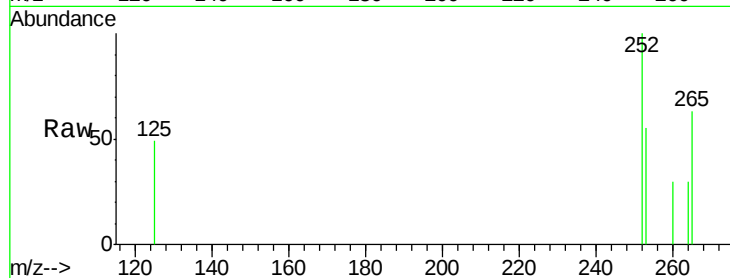
Tot Ion:252 Resp: 199

Ion Ratio Lower Upper

252 100

253 54.7 0.0 57.2

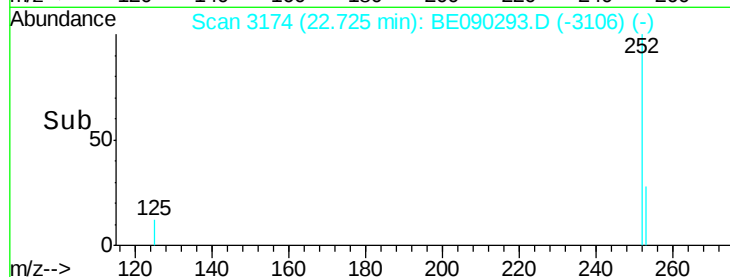
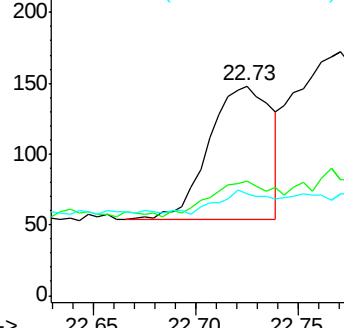
125 48.6 0.0 34.6#



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



#22

Benzo(k)fluoranthene

Concen: 0.03 ng/ul

RT: 22.73 min Scan# 3174

Delta R.T. -0.04 min

Lab File: BE090293.D

Acq: 30 Jul 2015 12:11

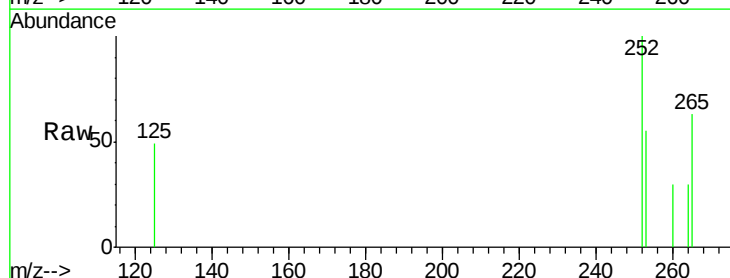
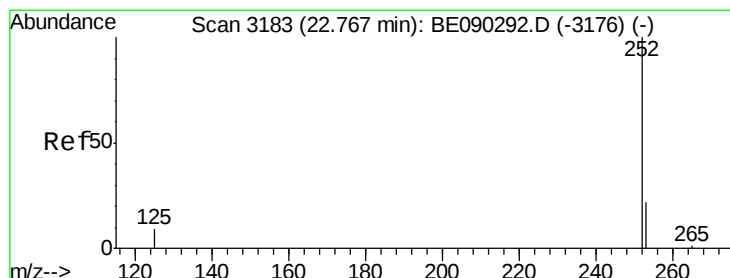
Tgt Ion:252 Resp: 199

Ion Ratio Lower Upper

252 100

253 54.7 21.3 31.9#

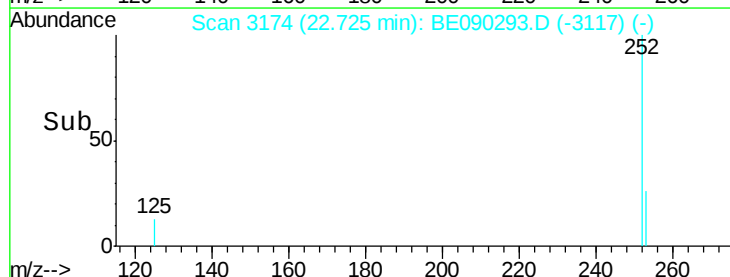
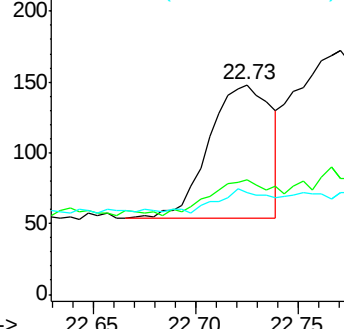
125 48.6 13.3 19.9#

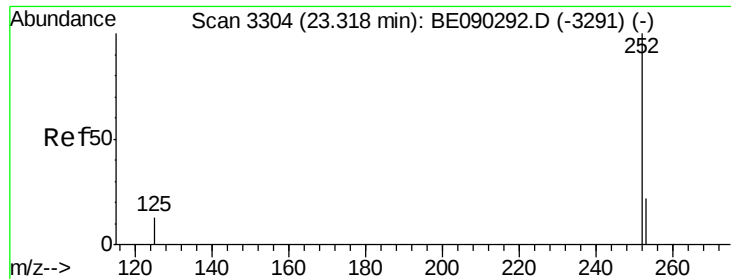


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.33 min Scan# 3306

Delta R.T. 0.01 min

Lab File: BE090293.D

Acq: 30 Jul 2015 12:11

Instrument :

BNA_E

ClientSampleId :

MDL-01-W

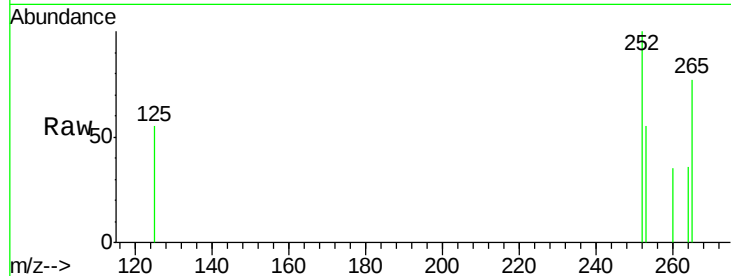
Tot Ion:252 Resp: 205

Ion Ratio Lower Upper

252 100

253 55.0 24.9 37.3#

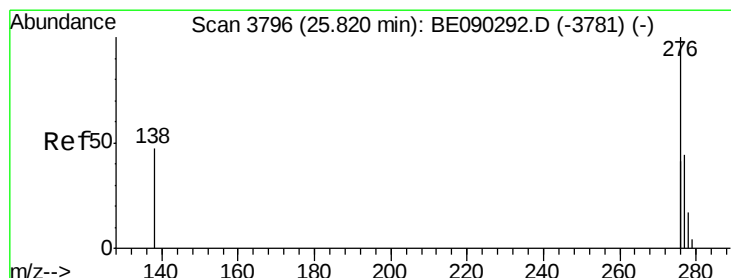
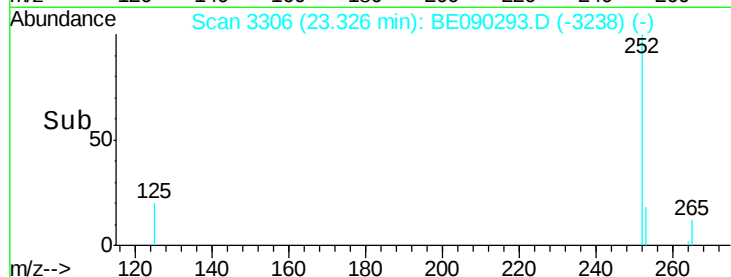
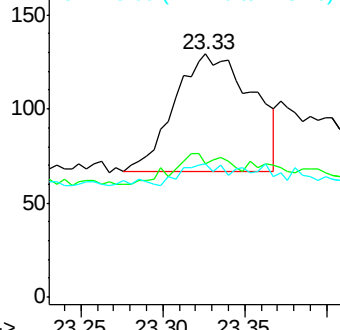
125 55.0 17.5 26.3#



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: 0.07 ng/ul

RT: 25.83 min Scan# 3798

Delta R.T. 0.01 min

Lab File: BE090293.D

Acq: 30 Jul 2015 12:11

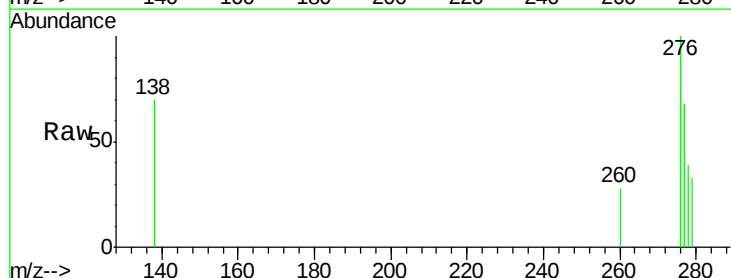
Tgt Ion:276 Resp: 675

Ion Ratio Lower Upper

276 100

138 12.0 13.5 20.3#

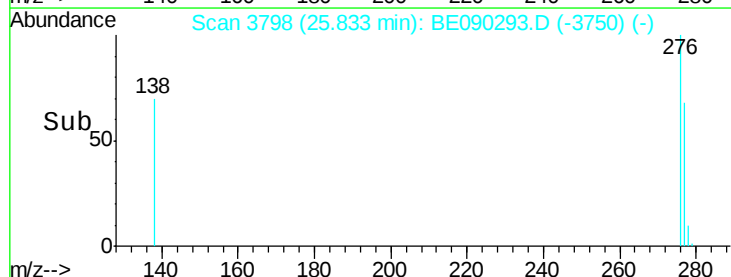
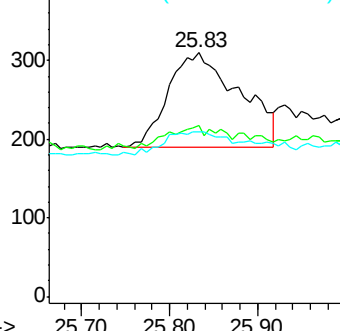
277 21.5 16.4 24.6

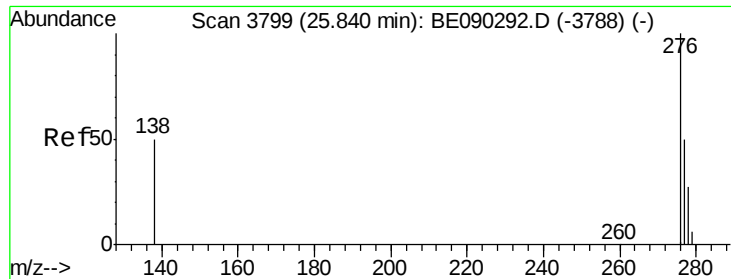


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

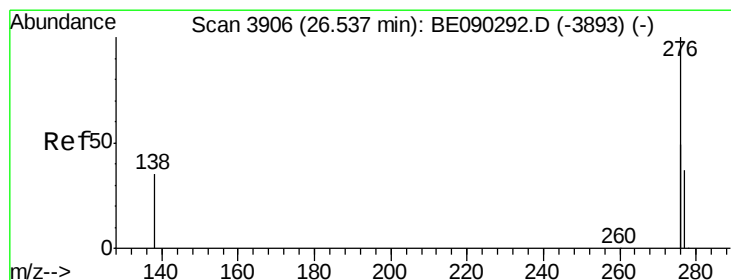
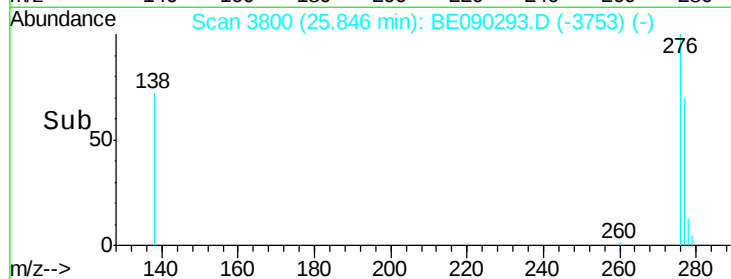
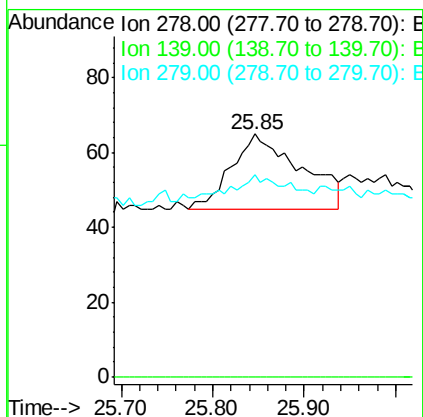
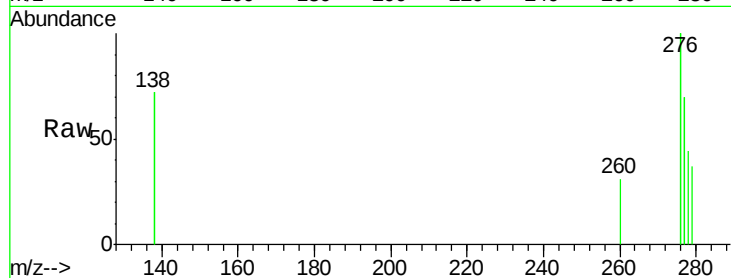




#25
Dibenzo(a,h)anthracene
Concen: 0.09 ng/ul
RT: 25.85 min Scan# 3800
Delta R.T. 0.01 min
Lab File: BE090293.D
Acq: 30 Jul 2015 12:11

Instrument :
BNA_E
ClientSampleId :
MDL-01-W

Tot Ion:278 Resp: 104
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 83.1 37.4 56.0#



#26
Benzo(g,h,i)perylene
Concen: 0.09 ng/ul
RT: 26.56 min Scan# 3910
Delta R.T. 0.03 min
Lab File: BE090293.D
Acq: 30 Jul 2015 12:11

Tgt Ion:276 Resp: 1239
Ion Ratio Lower Upper
276 100
277 59.7 25.5 38.3#
138 61.8 23.9 35.9#

