

Data Path : Z:\HPCHEM1\BNA E\DATA\BE073015\
 Data File : BE090295.D
 Acq On : 30 Jul 2015 13:22
 Operator : TP/IZ
 Sample : MDL-03-W
 Misc : MDL-SIM2.2-WATER-0.15PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-03-W

Quant Time: Jul 31 06:12:23 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	992	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	4125	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.21	164	2428	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5462	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	2904	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	1753	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.95	152	2333	0.37	ng/ul	0.01
14) Fluoranthene-d10	18.97	212	5698	0.38	ng/ul	0.00

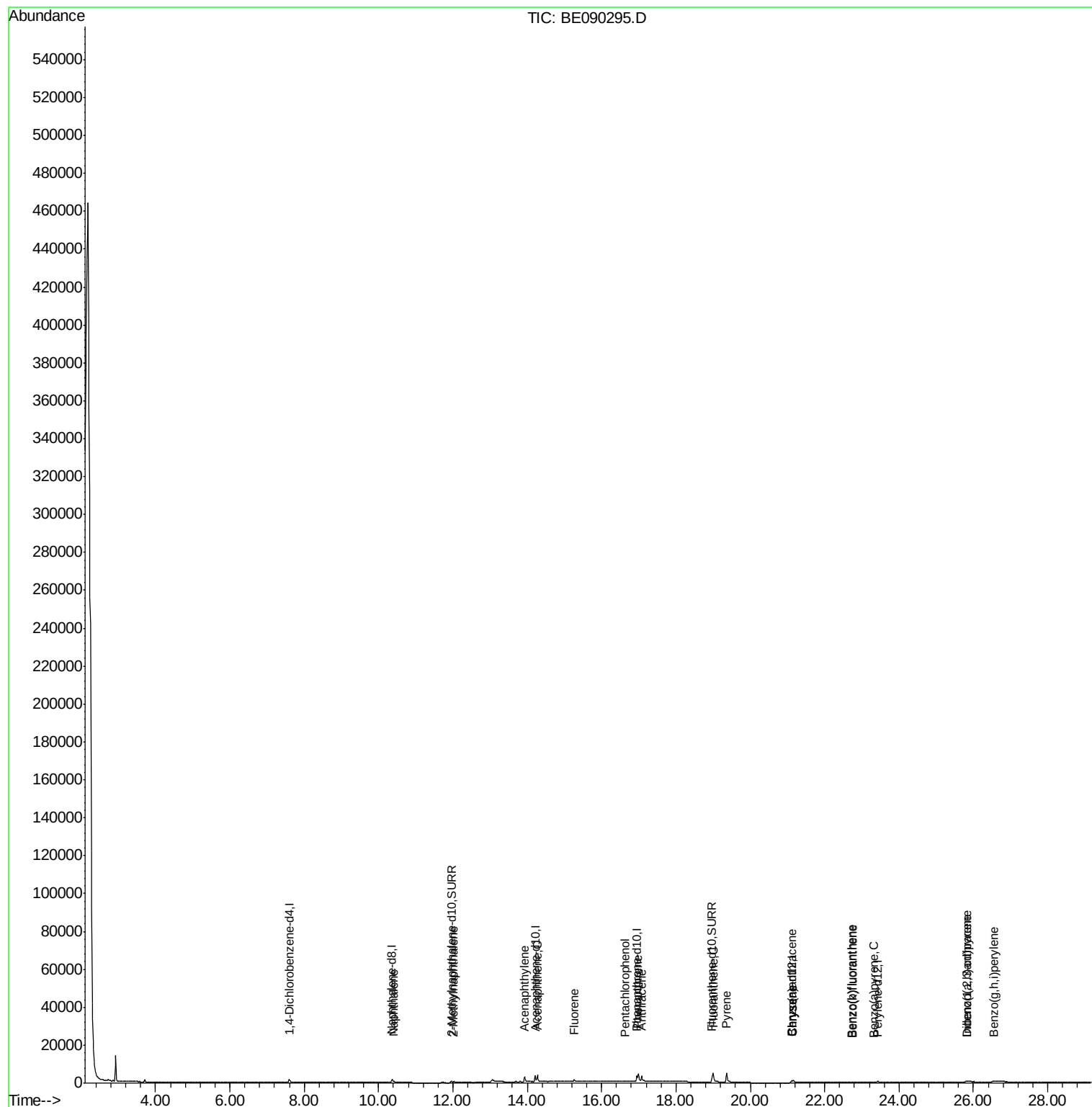
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.41	128	1217	0.11	ng/ul#	86
5) 2-Methylnaphthalene	12.03	142	737	0.10	ng/ul	98
7) Acenaphthylene	13.92	152	5551	0.11	ng/ul#	92
8) Acenaphthene	14.27	153	4143	0.11	ng/ul	98
9) Fluorene	15.26	166	1074	0.11	ng/ul#	92
11) Pentachlorophenol	16.62	266	61	0.17	ng/ul	97
12) Phenanthrene	16.98	178	6301	0.11	ng/ul#	91
13) Anthracene	17.07	178	6565	0.11	ng/ul#	89
15) Fluoranthene	19.00	202	7967	0.12	ng/ul	96
17) Pyrene	19.36	202	8120	0.15	ng/ul	94
18) Benzo(a)anthracene	21.10	228	481	0.11	ng/ul#	76
19) Chrysene	21.15	228	1522	0.12	ng/ul#	86
21) Benzo(b)fluoranthene	22.73	252	274	0.10	ng/ul#	61
22) Benzo(k)fluoranthene	22.76	252	410	0.05	ng/ul#	61
23) Benzo(a)pyrene	23.32	252	325	0.09	ng/ul#	57
24) Indeno(1,2,3-cd)pyrene	25.82	276	924	0.08	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.84	278	49	0.04	ng/ul#	51
26) Benzo(g,h,i)perylene	26.56	276	1516	0.10	ng/ul#	56

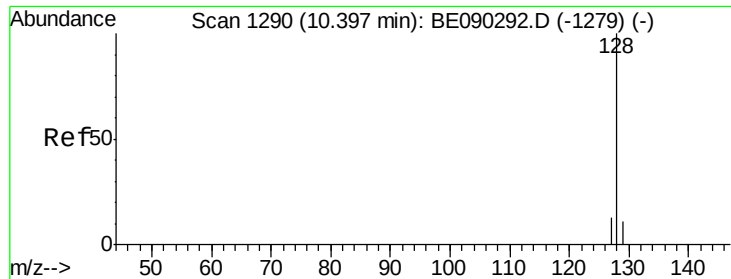
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.11 ng/ul

RT: 10.41 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BE090295.D

Acq: 30 Jul 2015 13:22

Instrument :

BNA_E

ClientSampleId :

MDL-03-W

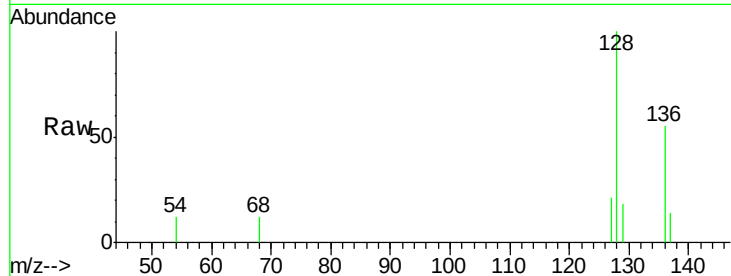
Tot Ion:128 Resp: 1217

Ion Ratio Lower Upper

128 100

129 18.3 10.4 15.6#

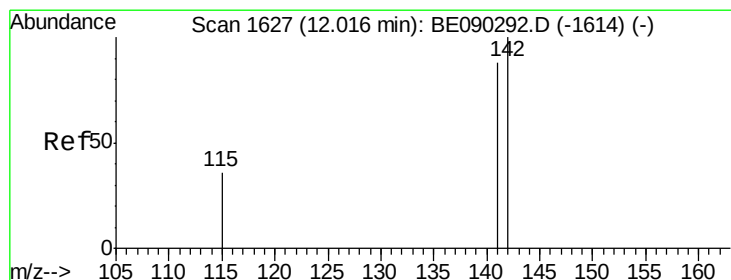
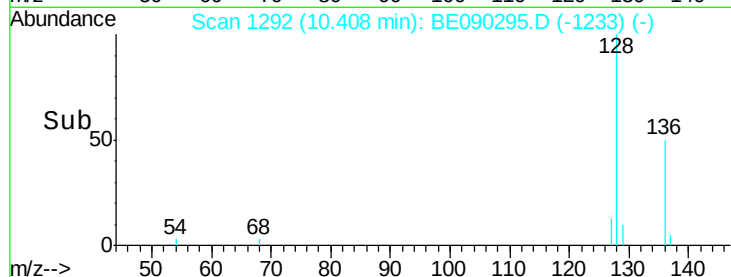
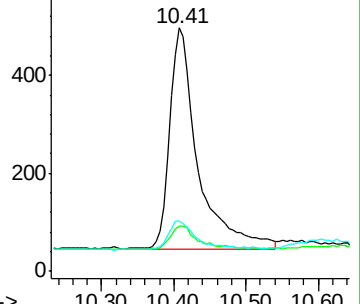
127 20.9 12.1 18.1#



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: 0.10 ng/ul

RT: 12.03 min Scan# 1629

Delta R.T. 0.01 min

Lab File: BE090295.D

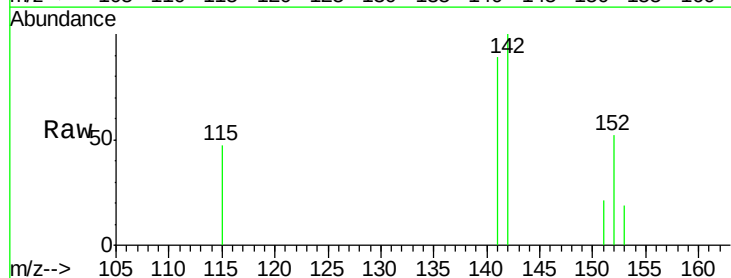
Acq: 30 Jul 2015 13:22

Tgt Ion:142 Resp: 737

Ion Ratio Lower Upper

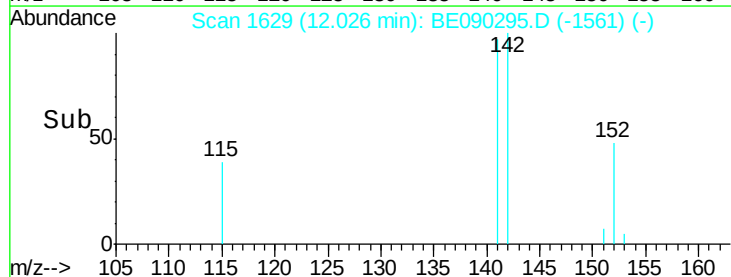
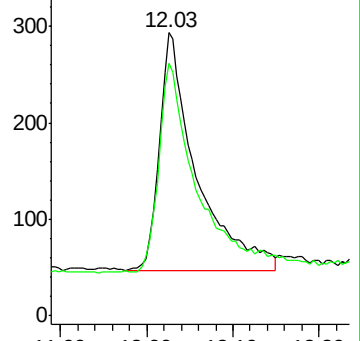
142 100

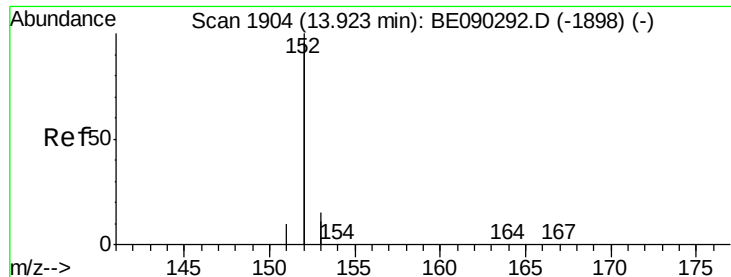
141 93.2 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.11 ng/ul

RT: 13.92 min Scan# 1904

Delta R.T. 0.00 min

Lab File: BE090295.D

Acq: 30 Jul 2015 13:22

Instrument :

BNA_E

ClientSampleId :

MDL-03-W

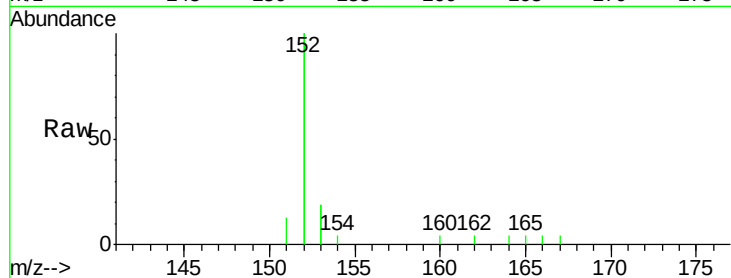
Tot Ion:152 Resp: 5551

Ion Ratio Lower Upper

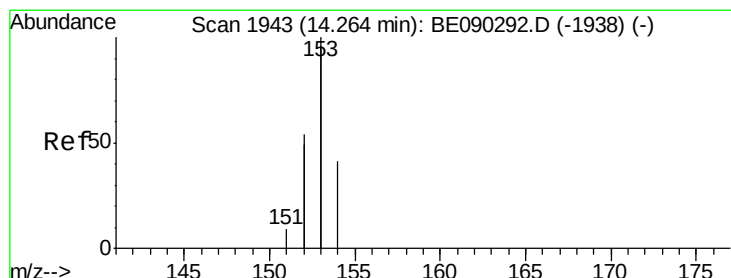
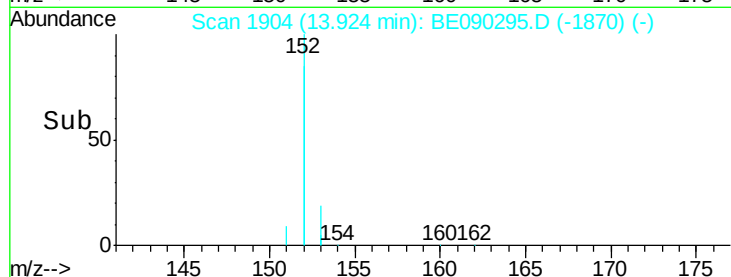
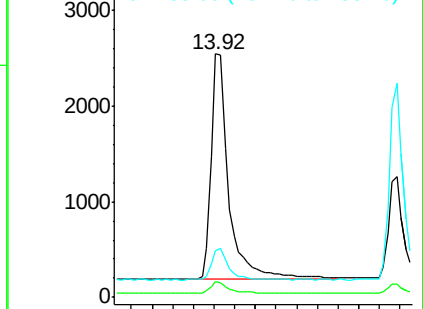
152 100

151 6.5 4.3 6.5#

153 19.0 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: 0.11 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.01 min

Lab File: BE090295.D

Acq: 30 Jul 2015 13:22

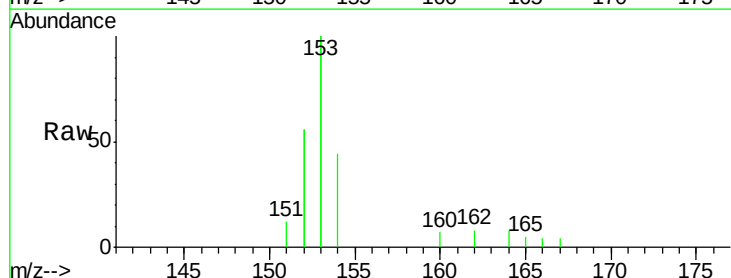
Tgt Ion:153 Resp: 4143

Ion Ratio Lower Upper

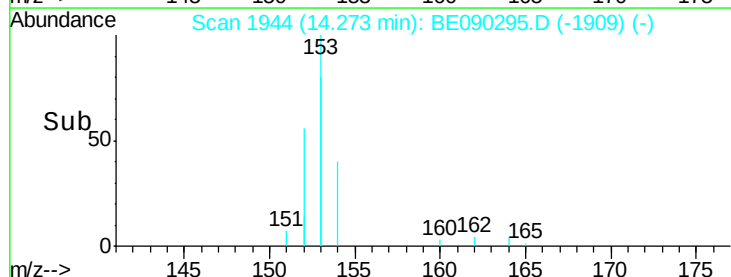
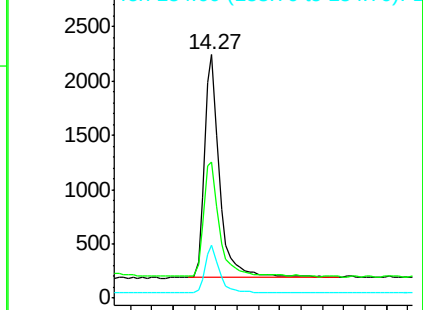
153 100

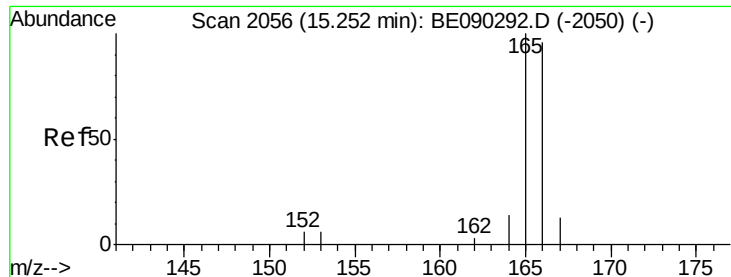
152 56.1 45.7 68.5

154 21.9 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: 0.11 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BE090295.D

Acq: 30 Jul 2015 13:22

Instrument :

BNA_E

ClientSampleId :

MDL-03-W

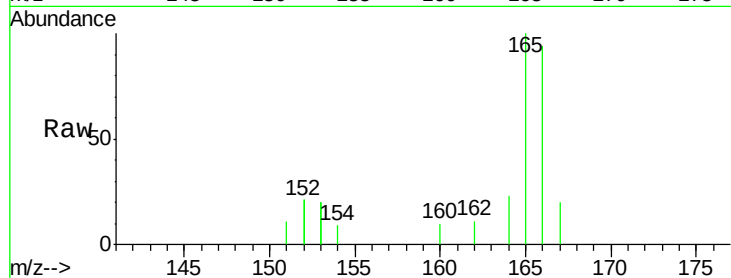
Tot Ion:166 Resp: 1074

Ion Ratio Lower Upper

166 100

165 106.8 80.3 120.5

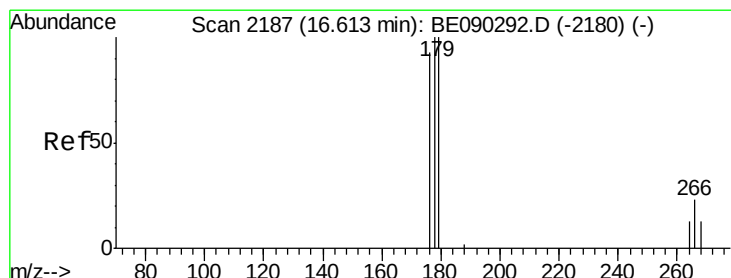
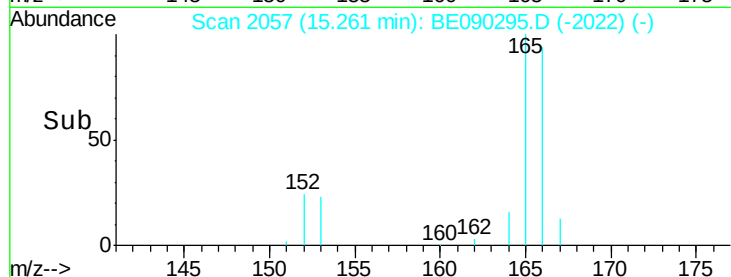
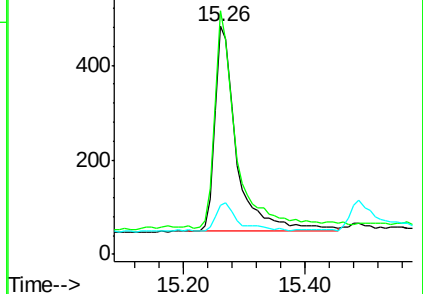
167 21.8 12.4 18.6#



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



#11

Pentachlorophenol

Concen: 0.17 ng/ul

RT: 16.62 min Scan# 2188

Delta R.T. 0.01 min

Lab File: BE090295.D

Acq: 30 Jul 2015 13:22

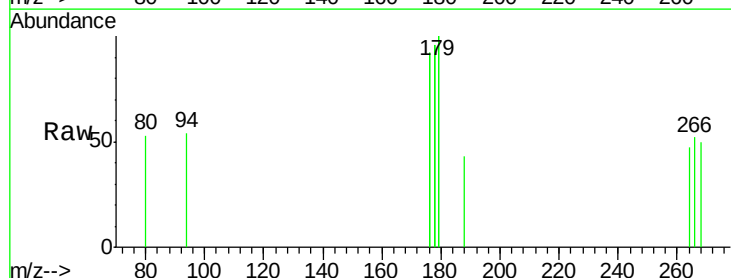
Tgt Ion:266 Resp: 61

Ion Ratio Lower Upper

266 100

264 50.8 43.4 65.0

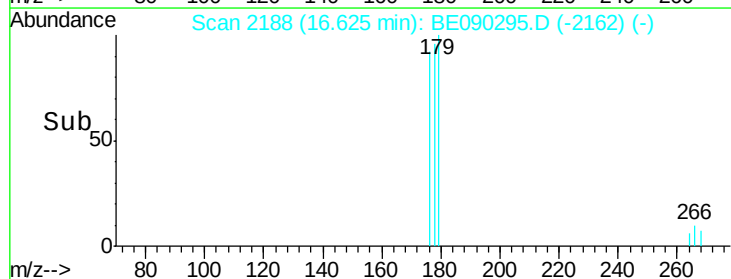
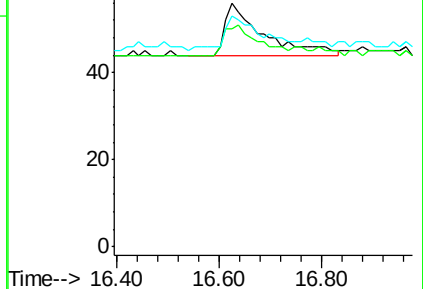
268 57.4 44.6 66.8

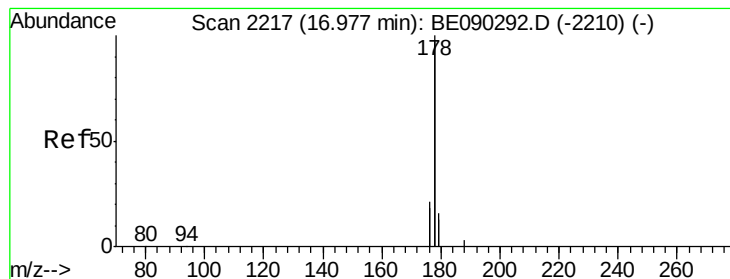


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.11 ng/ul

RT: 16.98 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BE090295.D

Acq: 30 Jul 2015 13:22

Instrument :

BNA_E

ClientSampleId :

MDL-03-W

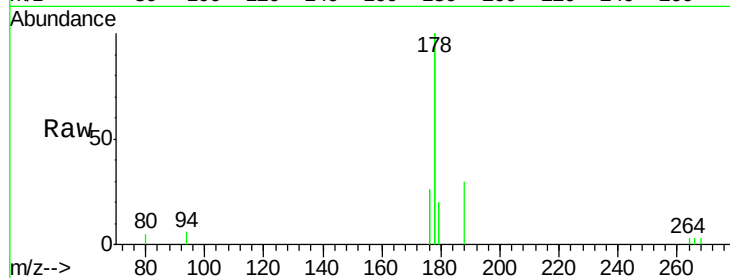
Tot Ion:178 Resp: 6301

Ion Ratio Lower Upper

178 100

176 26.1 17.3 25.9#

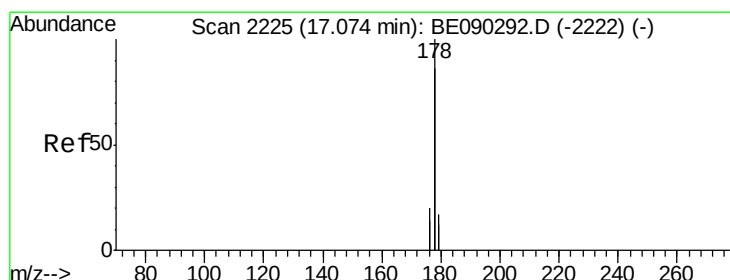
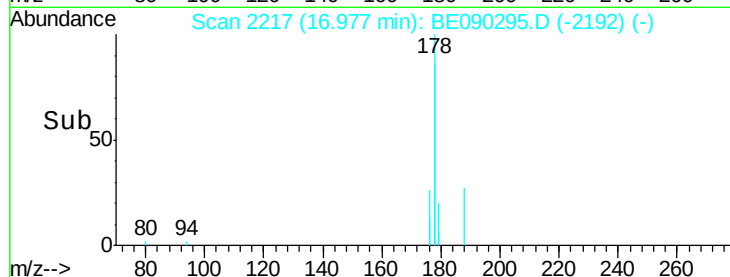
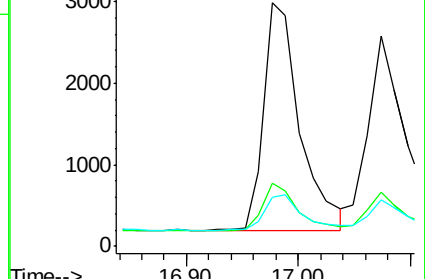
179 20.0 13.1 19.7#



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



#13

Anthracene

Concen: 0.11 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE090295.D

Acq: 30 Jul 2015 13:22

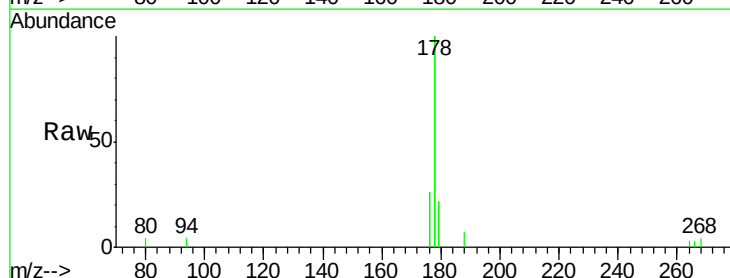
Tgt Ion:178 Resp: 6565

Ion Ratio Lower Upper

178 100

176 25.8 16.4 24.6#

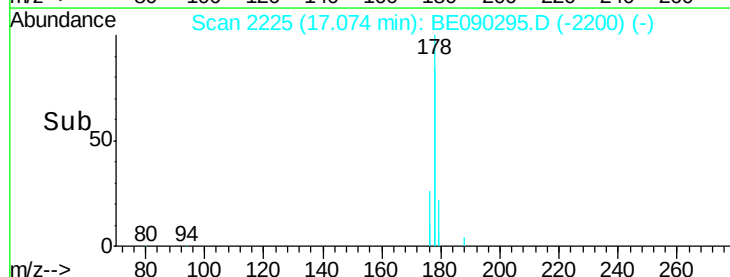
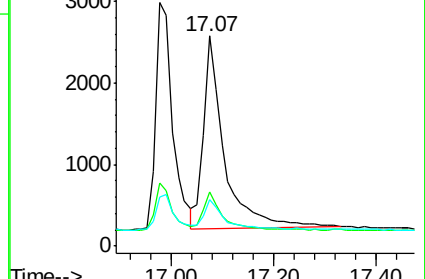
179 22.3 13.9 20.9#

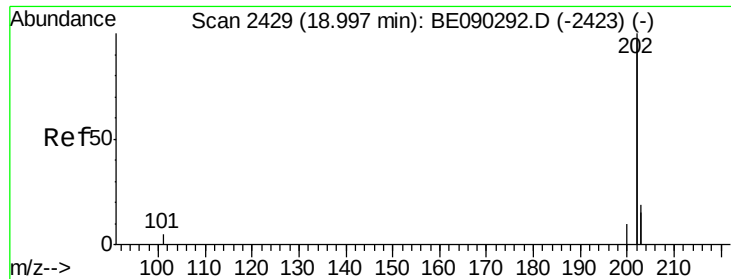


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

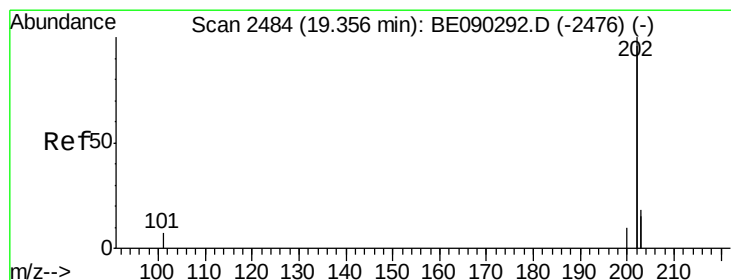
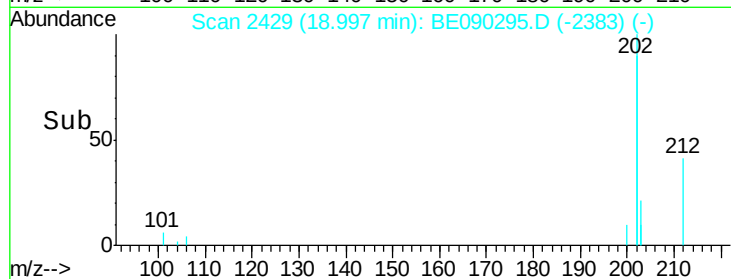
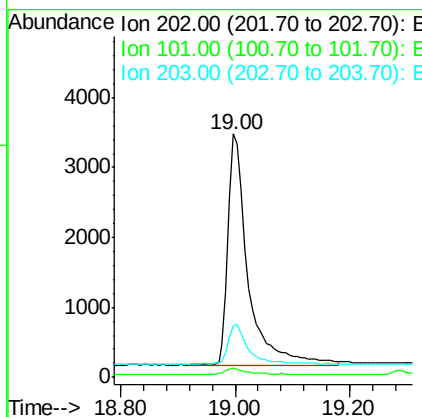
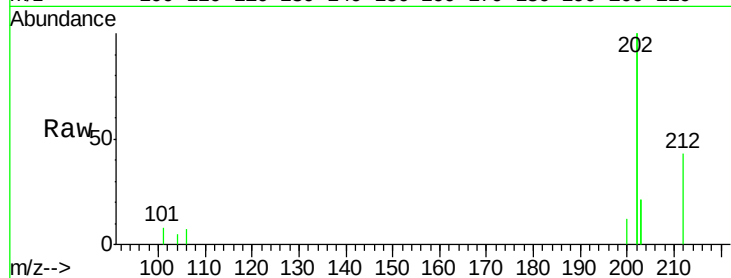




#15
Fluoranthene
Concen: 0.12 ng/ul
RT: 19.00 min Scan# 2429
Delta R.T. -0.00 min
Lab File: BE090295.D
Acq: 30 Jul 2015 13:22

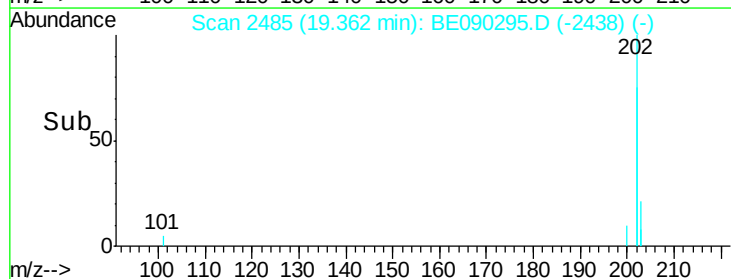
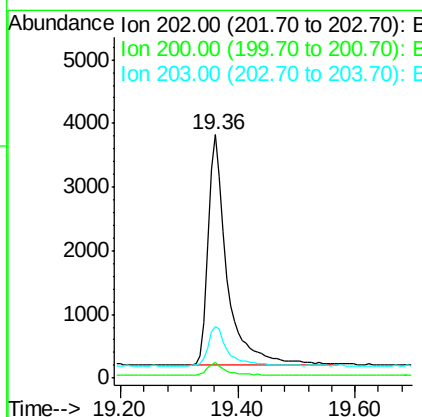
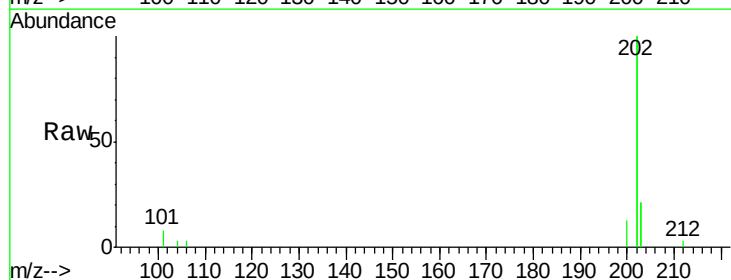
Instrument :
BNA_E
ClientSampleId :
MDL-03-W

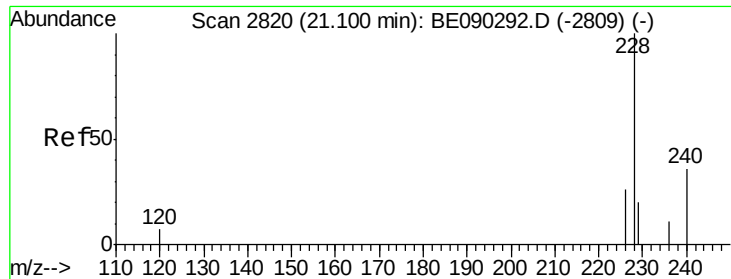
Tot Ion:202 Resp: 7967
Ion Ratio Lower Upper
202 100
101 4.1 0.0 22.9
203 21.0 0.0 39.0



#17
Pyrene
Concen: 0.15 ng/ul
RT: 19.36 min Scan# 2485
Delta R.T. 0.01 min
Lab File: BE090295.D
Acq: 30 Jul 2015 13:22

Tgt Ion:202 Resp: 8120
Ion Ratio Lower Upper
202 100
200 6.4 4.5 6.7
203 21.4 14.4 21.6





#18

Benzo(a)anthracene

Concen: 0.11 ng/ul

RT: 21.10 min Scan# 2821

Delta R.T. 0.00 min

Lab File: BE090295.D

Acq: 30 Jul 2015 13:22

Instrument :

BNA_E

ClientSampleId :

MDL-03-W

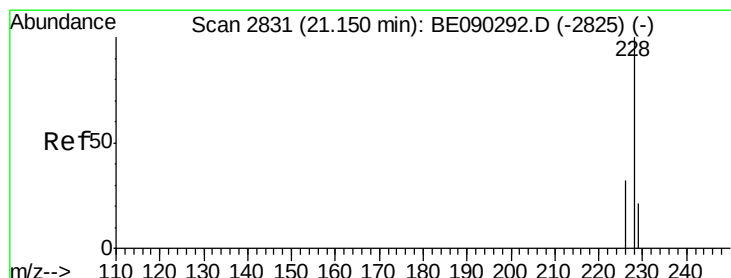
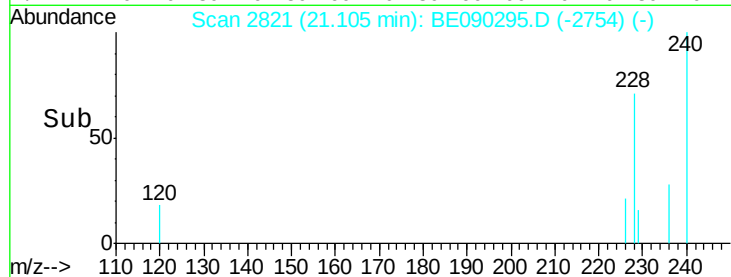
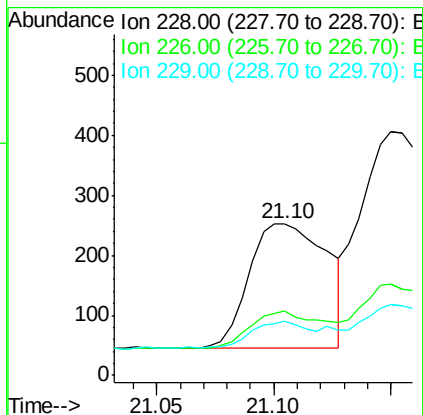
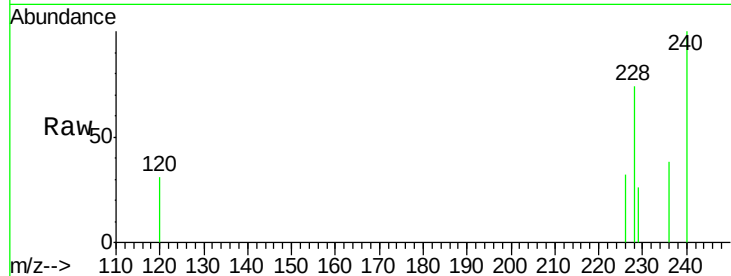
Tot Ion:228 Resp: 481

Ion Ratio Lower Upper

228 100

226 42.7 24.6 36.8#

229 35.6 17.9 26.9#



#19

Chrysene

Concen: 0.12 ng/ul

RT: 21.15 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE090295.D

Acq: 30 Jul 2015 13:22

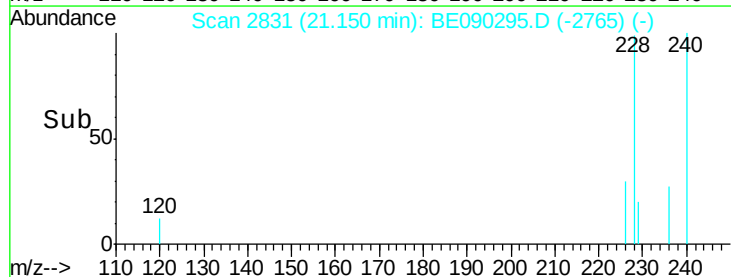
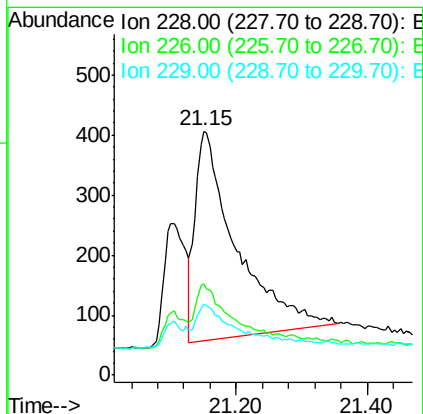
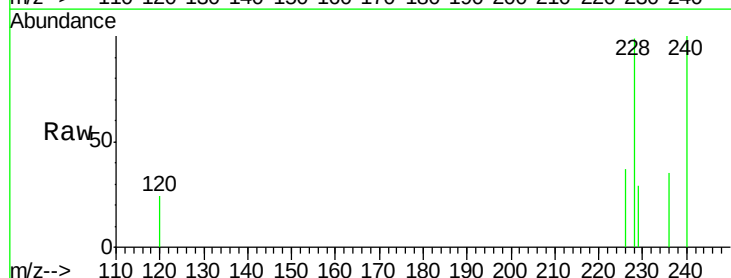
Tgt Ion:228 Resp: 1522

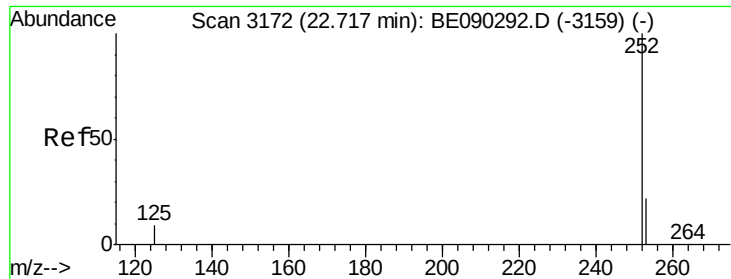
Ion Ratio Lower Upper

228 100

226 37.4 25.0 37.4

229 29.3 16.6 24.8#





#21

Benzo(b)fluoranthene

Concen: 0.10 ng/ul

RT: 22.73 min Scan# 3174

Delta R.T. 0.01 min

Lab File: BE090295.D

Acq: 30 Jul 2015 13:22

Instrument :

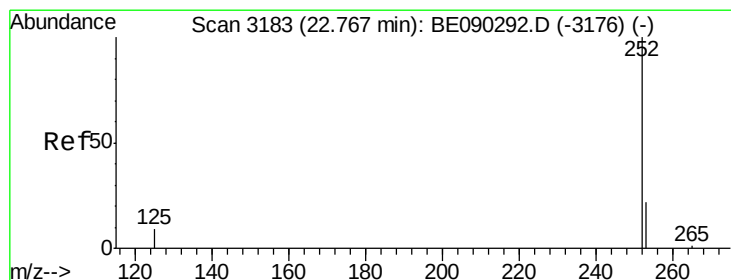
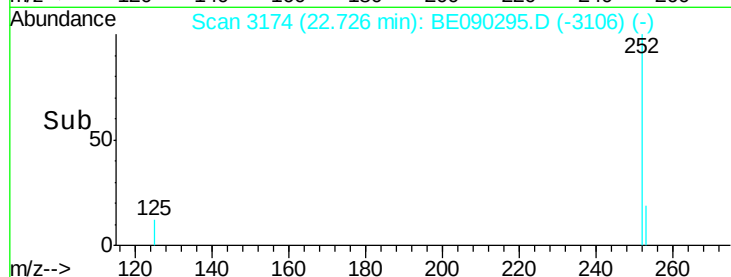
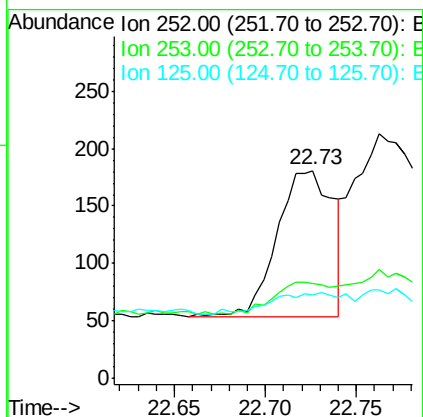
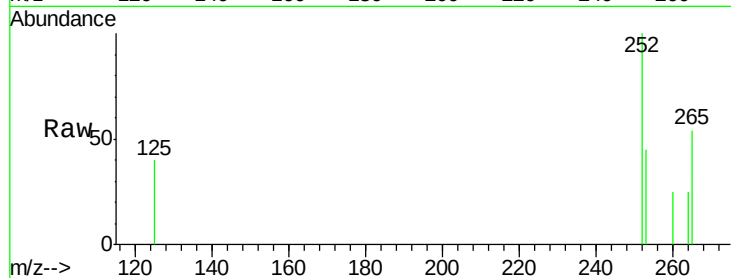
BNA_E

ClientSampleId :

MDL-03-W

Tot Ion:252 Resp: 274

Ion	Ratio	Lower	Upper
252	100		
253	45.3	0.0	57.2
125	39.8	0.0	34.6#



#22

Benzo(k)fluoranthene

Concen: 0.05 ng/ul

RT: 22.76 min Scan# 3182

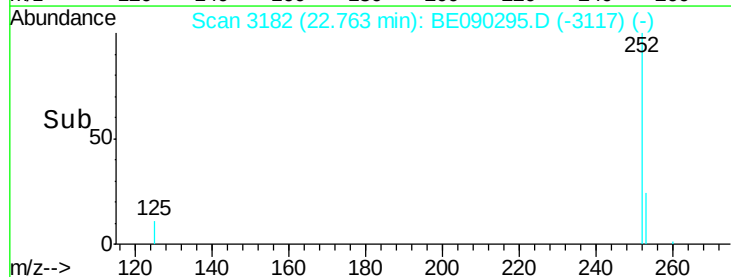
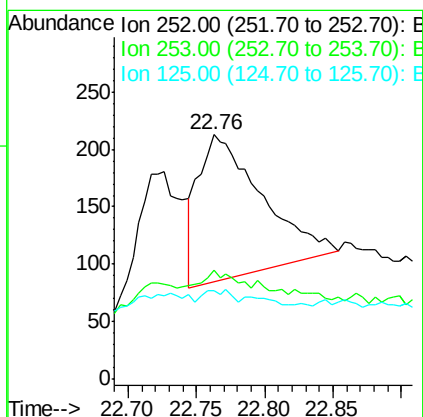
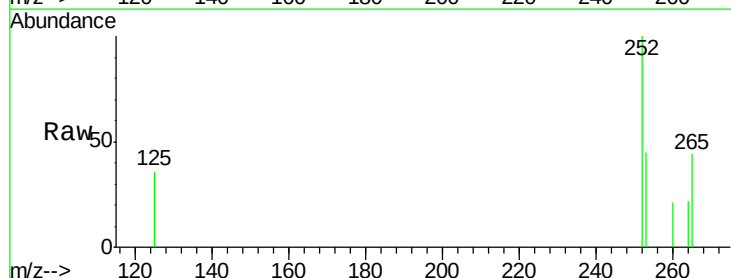
Delta R.T. -0.00 min

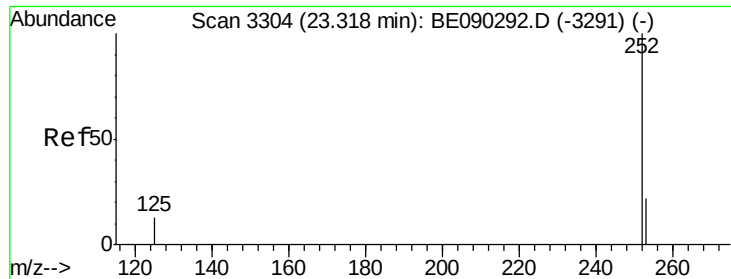
Lab File: BE090295.D

Acq: 30 Jul 2015 13:22

Tgt Ion:252 Resp: 410

Ion	Ratio	Lower	Upper
252	100		
253	44.6	21.3	31.9#
125	36.2	13.3	19.9#





#23

Benzo(a)pyrene

Concen: 0.09 ng/ul

RT: 23.32 min Scan# 3304

Delta R.T. -0.00 min

Lab File: BE090295.D

Acq: 30 Jul 2015 13:22

Instrument :

BNA_E

ClientSampleId :

MDL-03-W

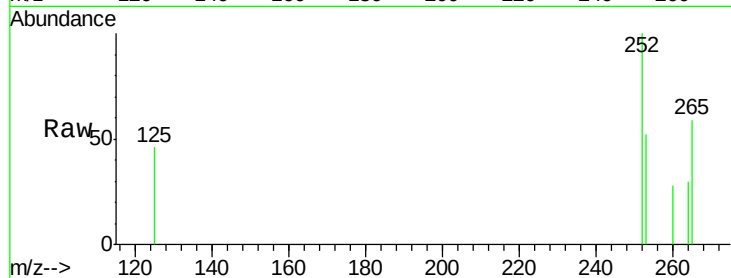
Tot Ion:252 Resp: 325

Ion Ratio Lower Upper

252 100

253 51.6 24.9 37.3#

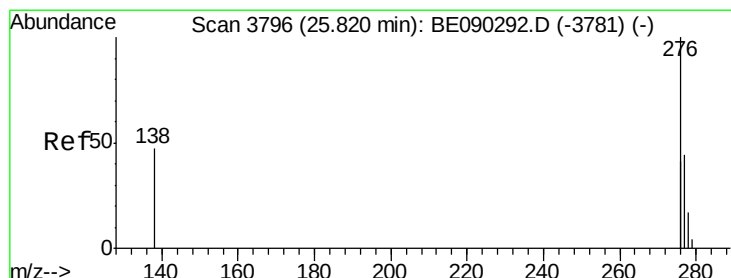
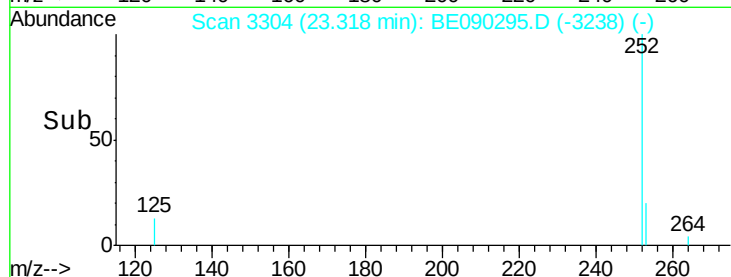
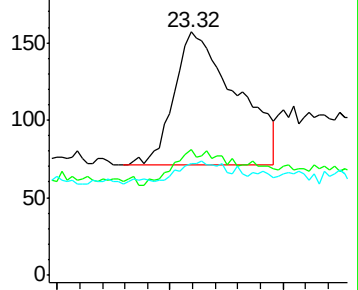
125 45.9 17.5 26.3#



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: 25.82 min Scan# 3796

Delta R.T. -0.00 min

Lab File: BE090295.D

Acq: 30 Jul 2015 13:22

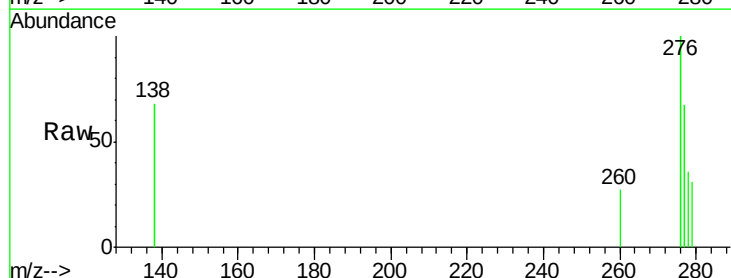
Tgt Ion:276 Resp: 924

Ion Ratio Lower Upper

276 100

138 12.4 13.5 20.3#

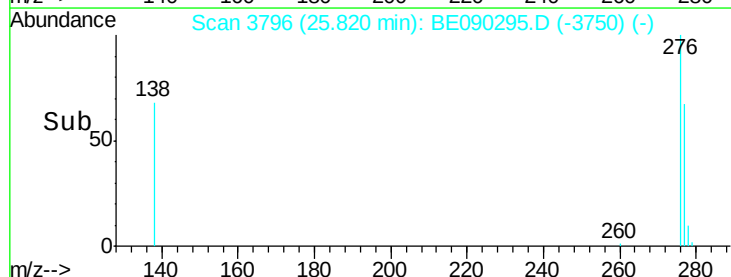
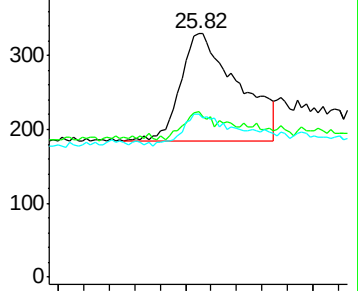
277 23.4 16.4 24.6

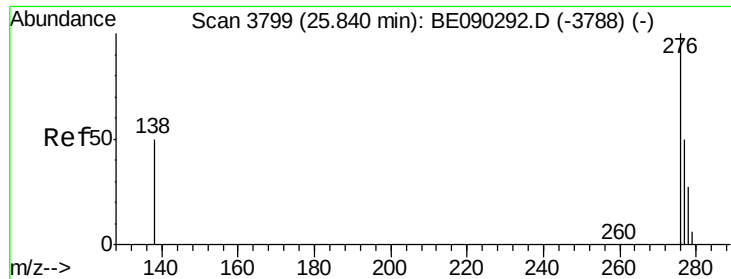


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.04 ng/ul

RT: 25.84 min Scan# 3799

Delta R.T. -0.00 min

Lab File: BE090295.D

Acq: 30 Jul 2015 13:22

Instrument :

BNA_E

ClientSampleId :

MDL-03-W

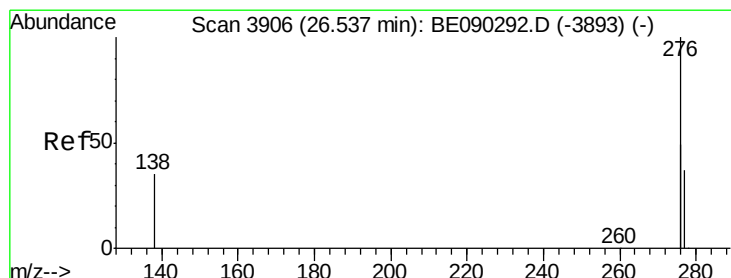
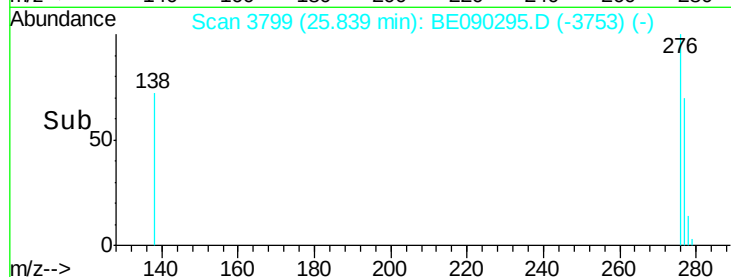
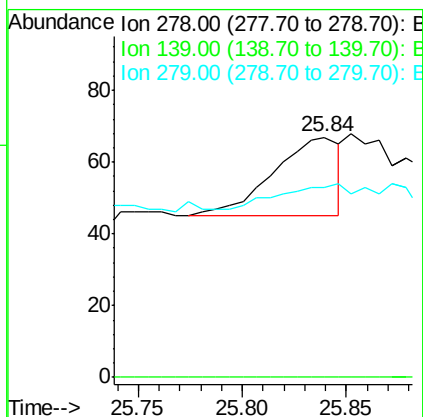
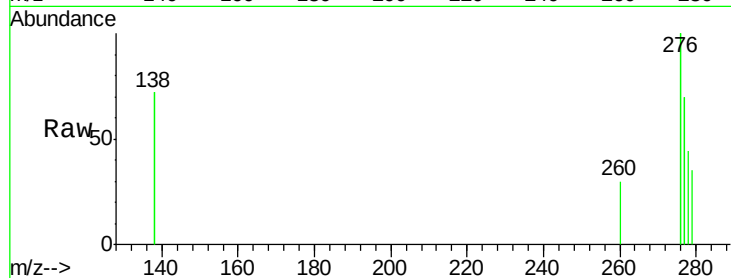
Tot Ion:278 Resp: 49

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

279 79.1 37.4 56.0#



#26

Benzo(g,h,i)perylene

Concen: 0.10 ng/ul

RT: 26.56 min Scan# 3910

Delta R.T. 0.03 min

Lab File: BE090295.D

Acq: 30 Jul 2015 13:22

Tgt Ion:276 Resp: 1516

Ion Ratio Lower Upper

276 100

277 56.9 25.5 38.3#

138 53.6 23.9 35.9#

