

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072915\
 Data File : BE090286.D
 Acq On : 29 Jul 2015 17:52
 Operator : TP/IZ
 Sample : MDL-04-S
 Misc : MDL-SIM2.2-SOIL-0.15PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-04-S

Quant Time: Jul 30 01:56:54 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 : Thu Jul 30 01:55:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1068	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	4333	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2600	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5852	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	3904	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	2488	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	2229	0.33	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	5325	0.33	ng/ul	0.00

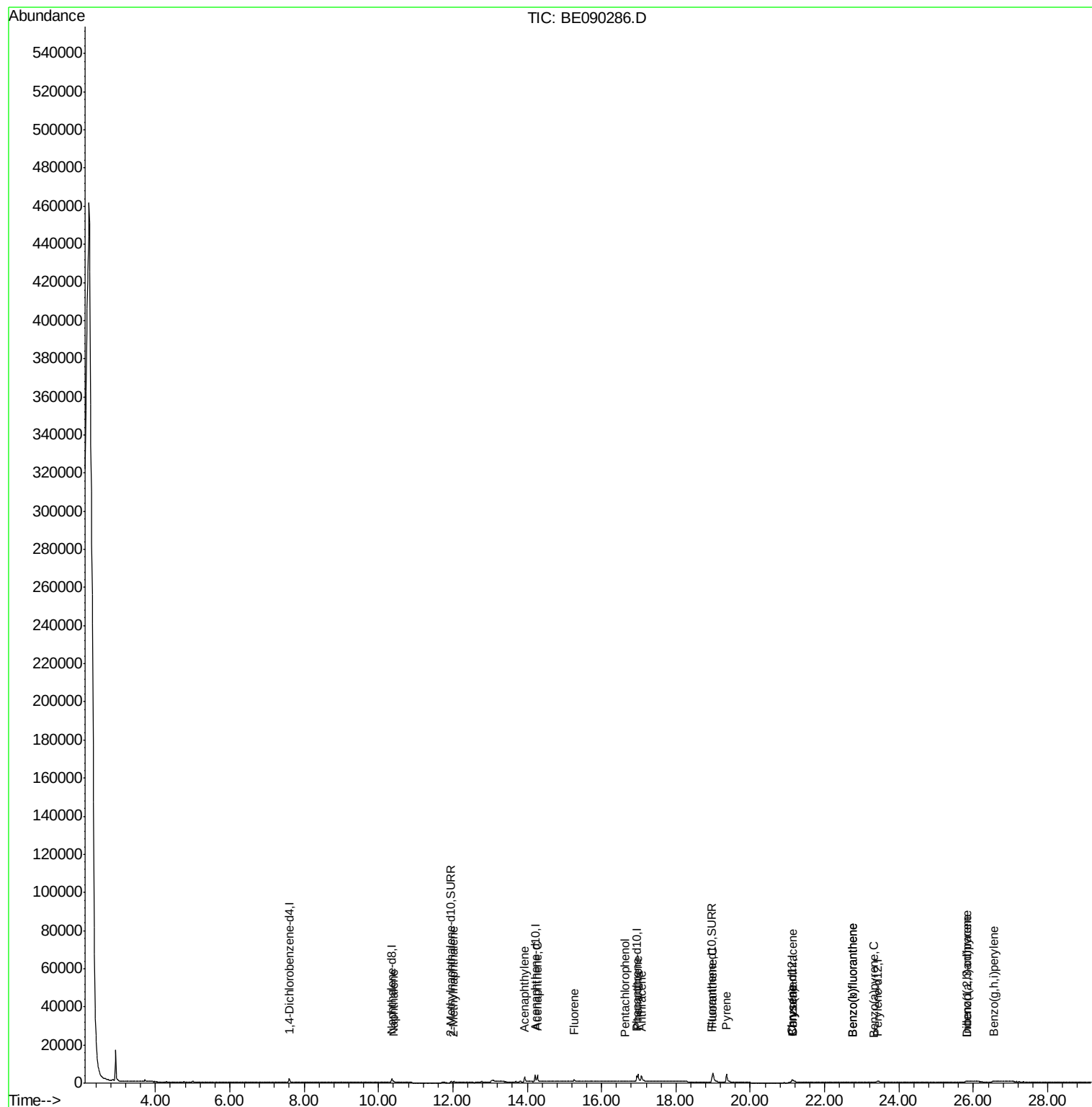
Target Compounds				Ovalue		
3) Naphthalene	10.41	128	1179	0.10	ng/ul#	85
5) 2-Methylnaphthalene	12.03	142	714	0.10	ng/ul	95
7) Acenaphthylene	13.93	152	5471	0.10	ng/ul#	90
8) Acenaphthene	14.27	153	3954	0.10	ng/ul	98
9) Fluorene	15.26	166	979	0.09	ng/ul#	94
11) Pentachlorophenol	16.64	266	34	0.09	ng/ul#	83
12) Phenanthrene	16.99	178	6270	0.10	ng/ul#	90
13) Anthracene	17.07	178	6192	0.10	ng/ul#	88
15) Fluoranthene	19.00	202	7490	0.10	ng/ul	93
17) Pyrene	19.36	202	7768	0.11	ng/ul#	91
18) Benzo(a)anthracene	21.15	228	1508	0.26	ng/ul	90
19) Chrysene	21.15	228	1508	0.09	ng/ul#	89
21) Benzo(b)fluoranthene	22.77	252	748	0.20	ng/ul	72
22) Benzo(k)fluoranthene	22.77	252	748	0.06	ng/ul#	68
23) Benzo(a)pyrene	23.33	252	439	0.09	ng/ul#	59
24) Indeno(1,2,3-cd)pyrene	25.83	276	1214	0.08	ng/ul#	66
25) Dibenzo(a,h)anthracene	25.84	278	54	0.03	ng/ul#	61
26) Benzo(g,h,i)perylene	26.55	276	1786	0.08	ng/ul#	62

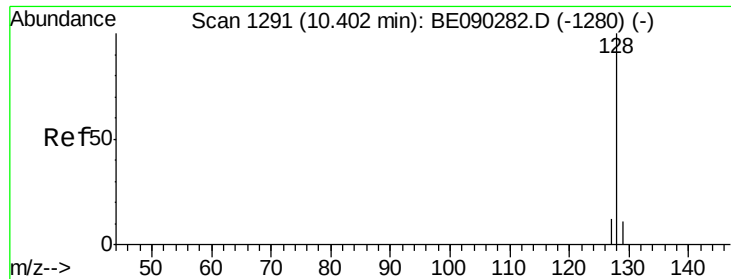
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE090286.D

Acq: 29 Jul 2015 17:52

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

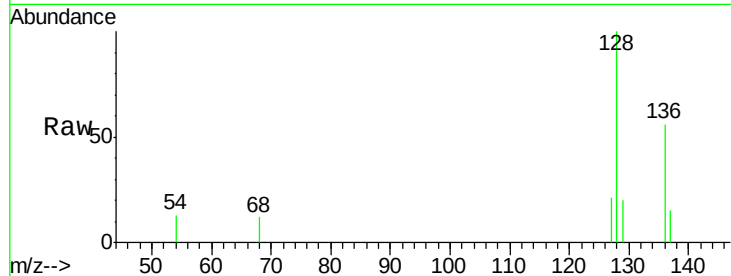
Tot Ion:128 Resp: 1179

Ion Ratio Lower Upper

128 100

129 19.6 10.4 15.6#

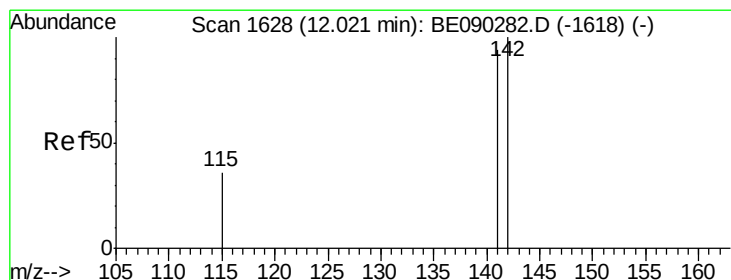
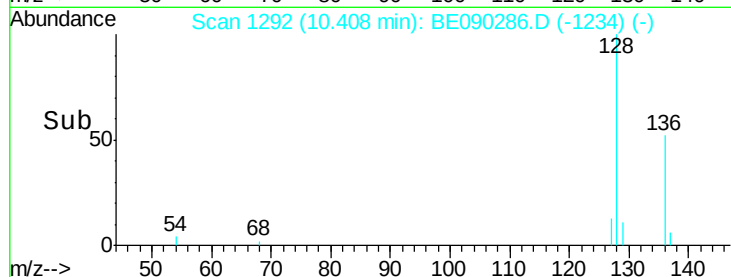
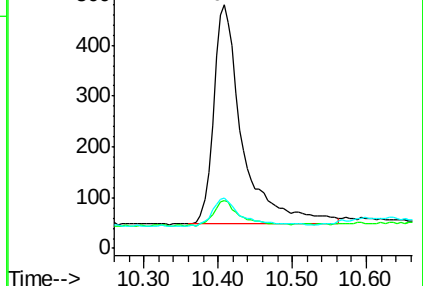
127 20.7 12.1 18.1#



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: 0.10 ng/ul

RT: 12.03 min Scan# 1629

Delta R.T. 0.00 min

Lab File: BE090286.D

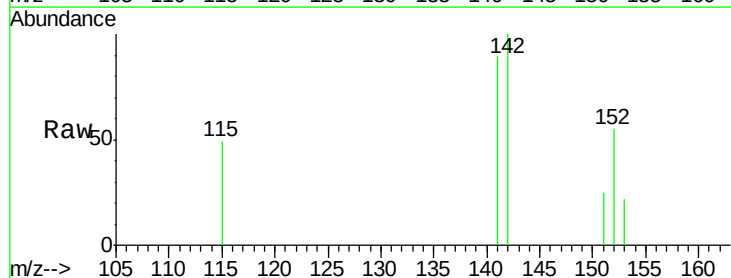
Acq: 29 Jul 2015 17:52

Tgt Ion:142 Resp: 714

Ion Ratio Lower Upper

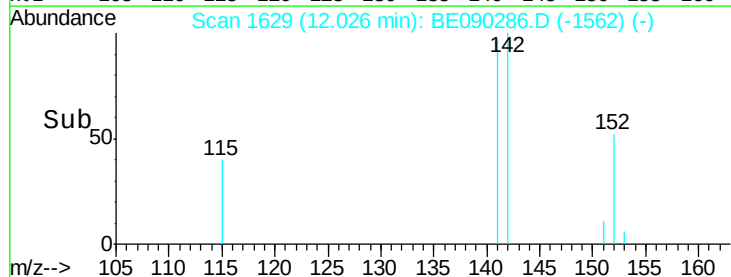
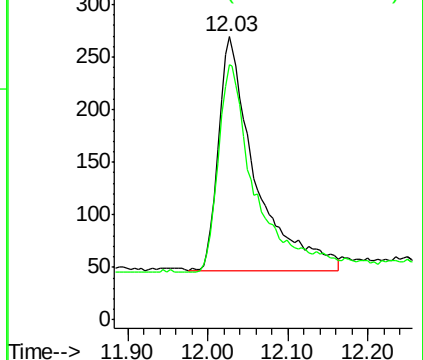
142 100

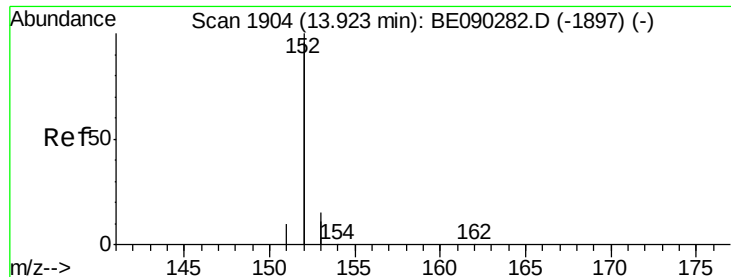
141 86.1 73.0 109.4



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: BE090286.D

Acq: 29 Jul 2015 17:52

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

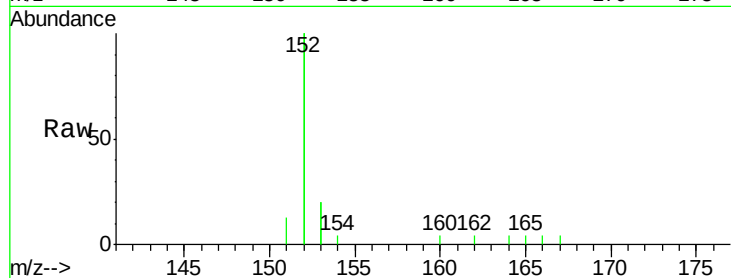
Tot Ion:152 Resp: 5471

Ion Ratio Lower Upper

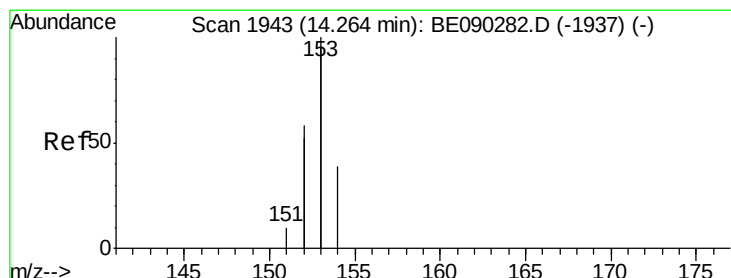
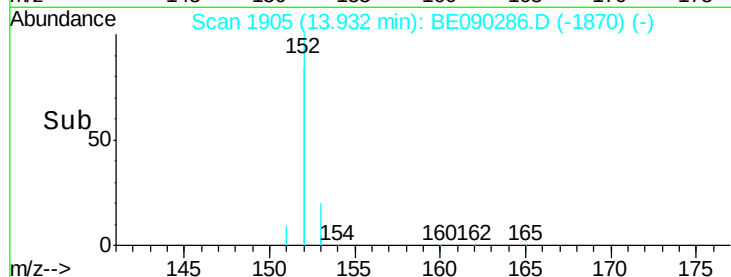
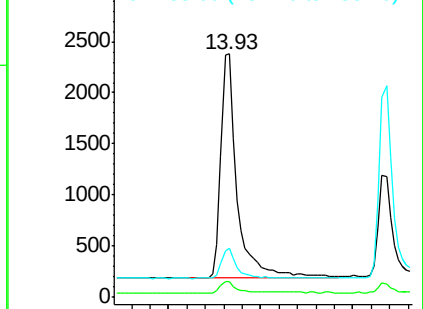
152 100

151 6.4 4.3 6.5

153 20.3 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: BE090286.D

Acq: 29 Jul 2015 17:52

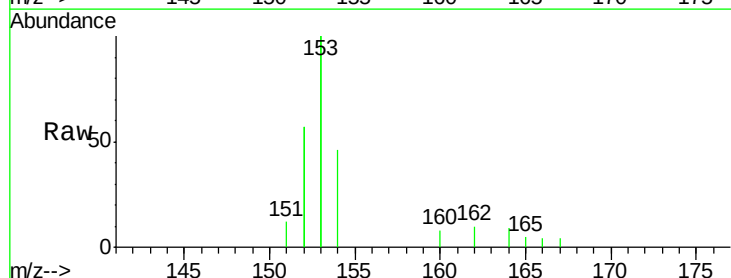
Tgt Ion:153 Resp: 3954

Ion Ratio Lower Upper

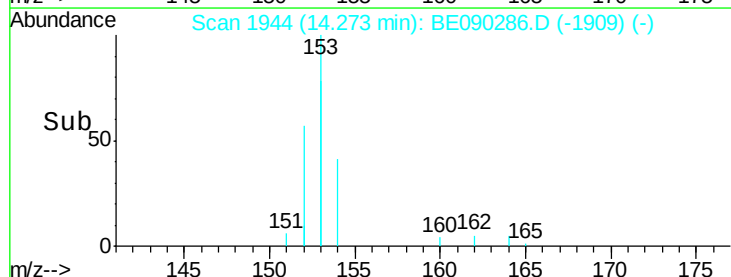
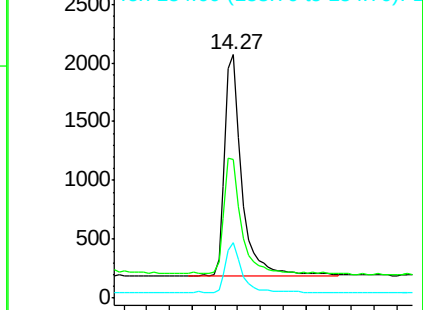
153 100

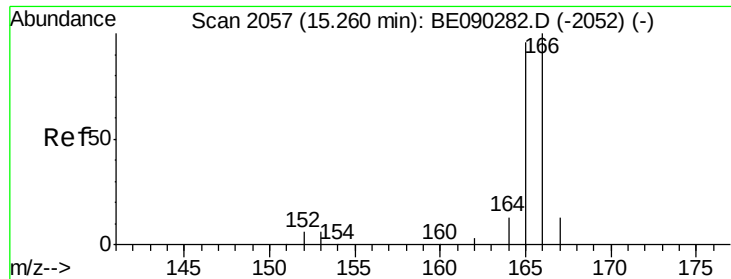
152 56.9 45.7 68.5

154 22.9 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: 0.09 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BE090286.D

Acq: 29 Jul 2015 17:52

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

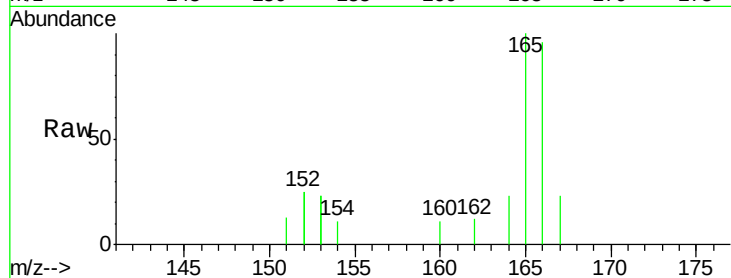
Tot Ion:166 Resp: 979

Ion Ratio Lower Upper

166 100

165 104.3 80.3 120.5

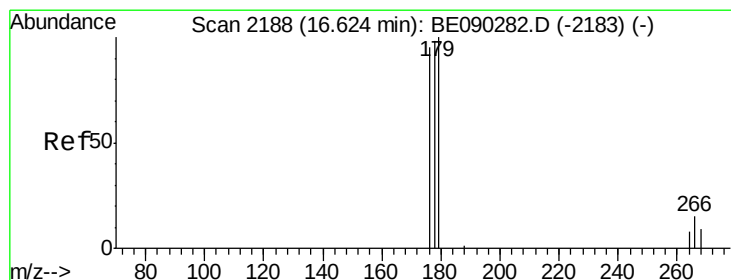
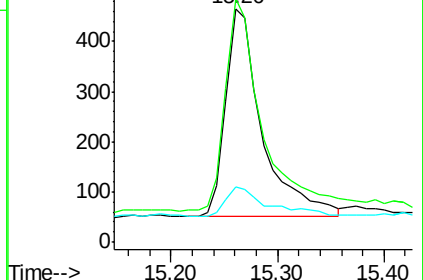
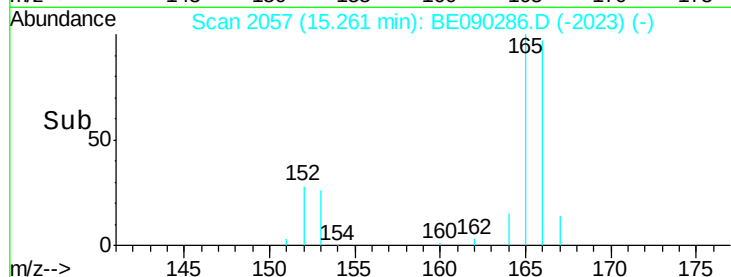
167 23.7 12.4 18.6#



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: 0.09 ng/ul

RT: 16.64 min Scan# 2189

Delta R.T. 0.01 min

Lab File: BE090286.D

Acq: 29 Jul 2015 17:52

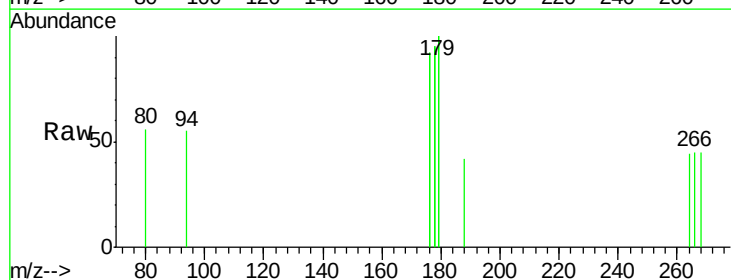
Tgt Ion:266 Resp: 34

Ion Ratio Lower Upper

266 100

264 44.1 43.4 65.0

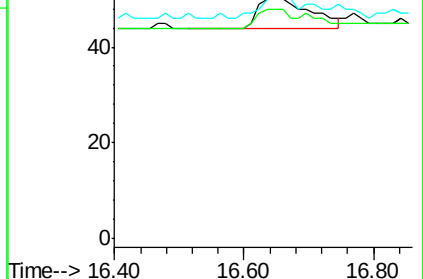
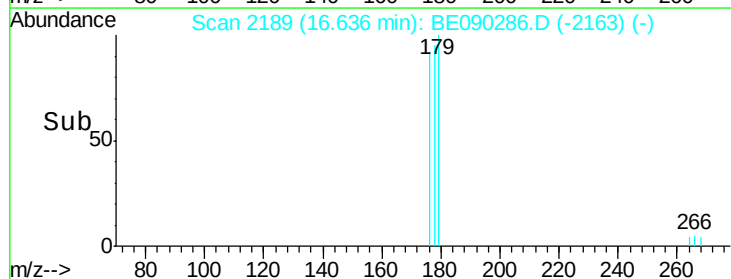
268 70.6 44.6 66.8#

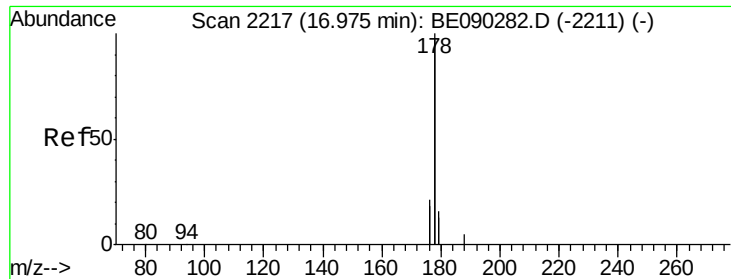


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.10 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BE090286.D

Acq: 29 Jul 2015 17:52

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

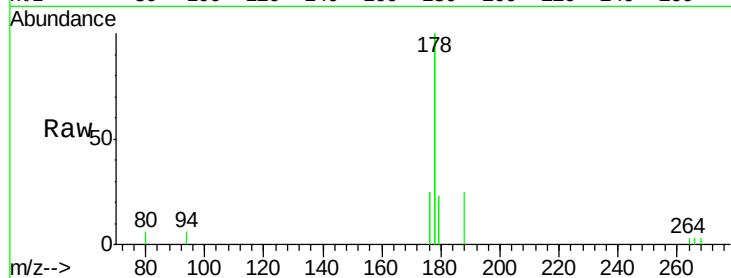
Tot Ion:178 Resp: 6270

Ion Ratio Lower Upper

178 100

176 24.5 17.3 25.9

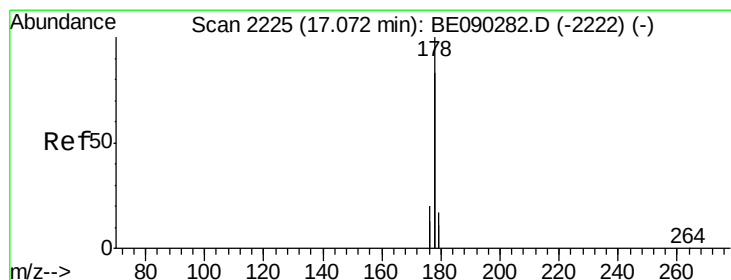
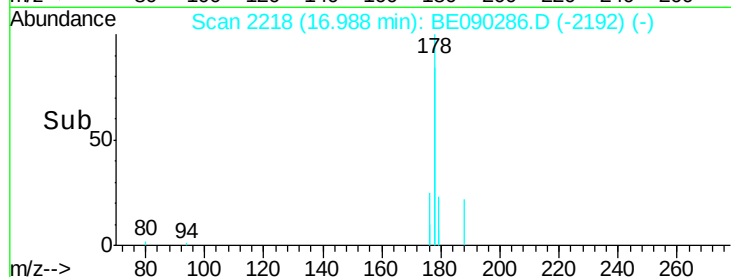
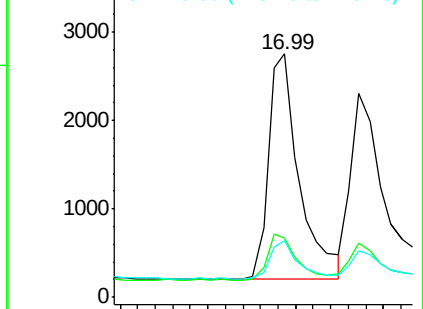
179 23.1 13.1 19.7#



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: BE090286.D

Acq: 29 Jul 2015 17:52

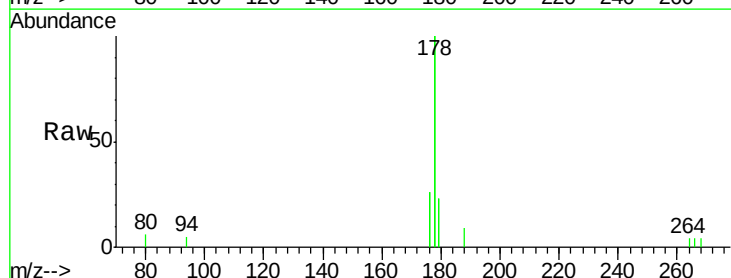
Tgt Ion:178 Resp: 6192

Ion Ratio Lower Upper

178 100

176 26.3 16.4 24.6#

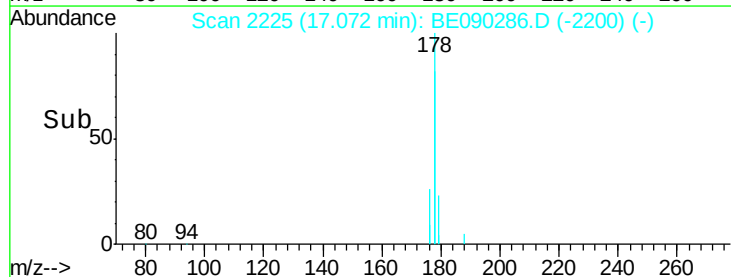
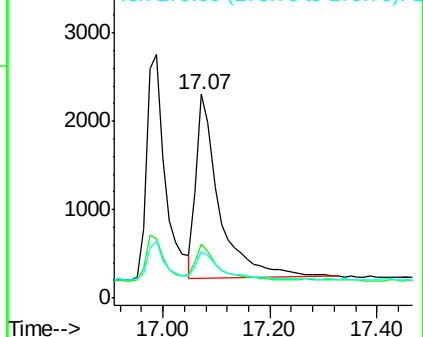
179 22.7 13.9 20.9#

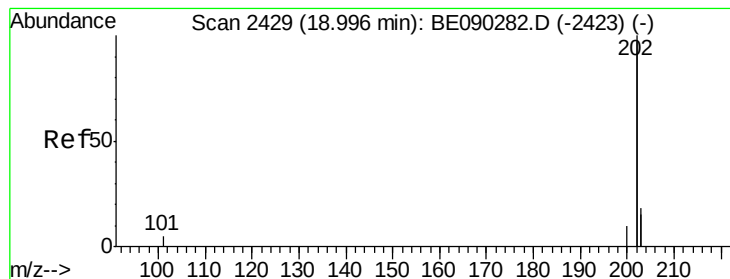


Abundance Ion 178.00 (177.70 to 178.70): E

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: BE090286.D

Acq: 29 Jul 2015 17:52

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

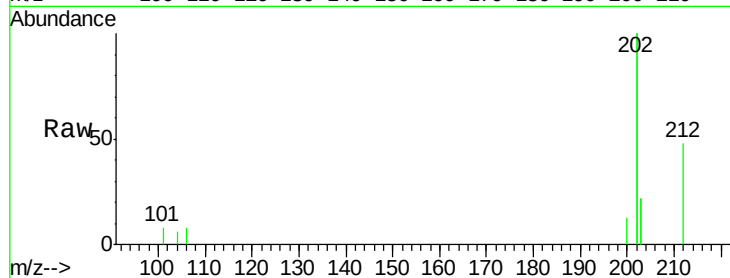
Tot Ion:202 Resp: 7490

Ion Ratio Lower Upper

202 100

101 4.2 0.0 22.9

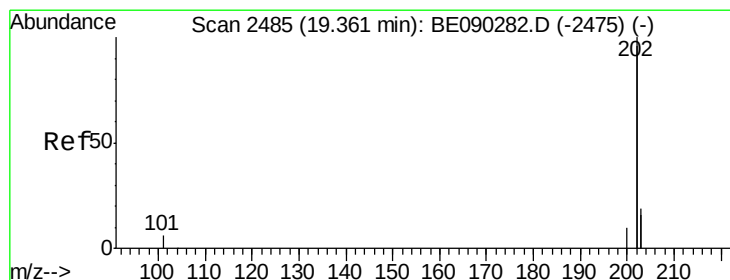
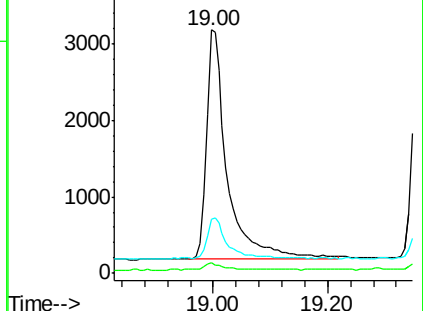
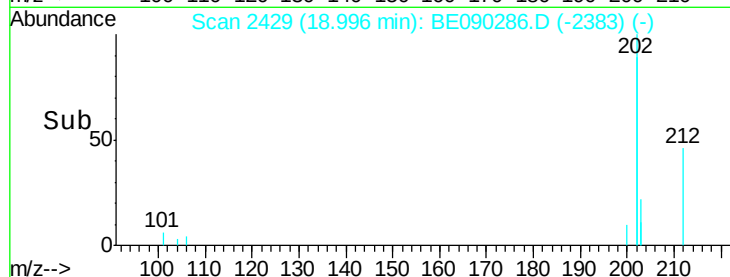
203 22.4 0.0 39.0



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: 0.11 ng/ul

RT: 19.36 min Scan# 2485

Delta R.T. 0.00 min

Lab File: BE090286.D

Acq: 29 Jul 2015 17:52

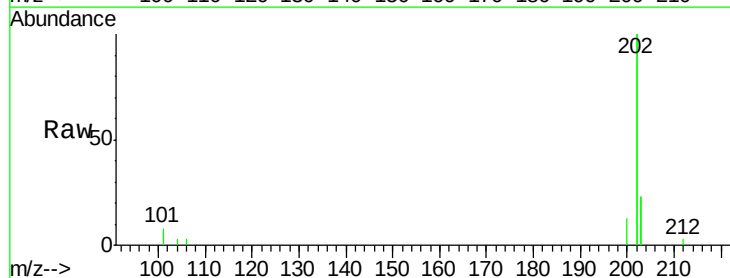
Tgt Ion:202 Resp: 7768

Ion Ratio Lower Upper

202 100

200 6.4 4.5 6.7

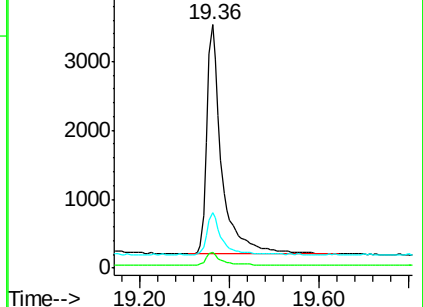
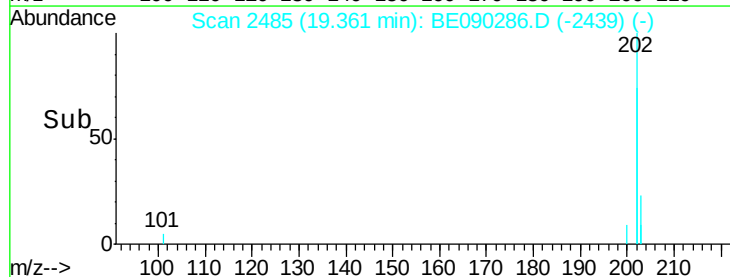
203 22.7 14.4 21.6#

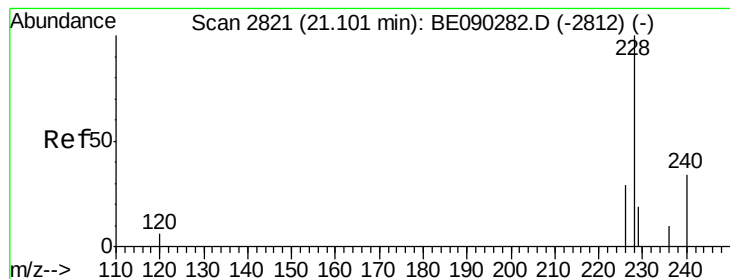


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.26 ng/ul

RT: 21.15 min Scan# 2832

Delta R.T. 0.05 min

Lab File: BE090286.D

Acq: 29 Jul 2015 17:52

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

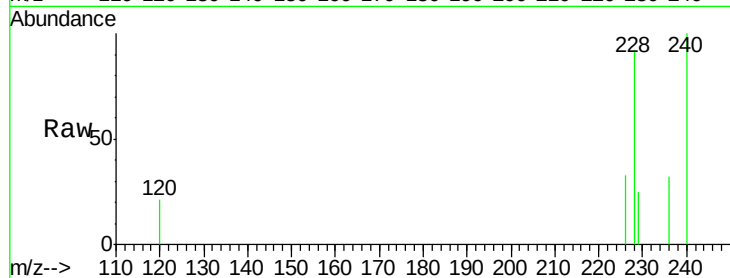
Tot Ion:228 Resp: 1508

Ion Ratio Lower Upper

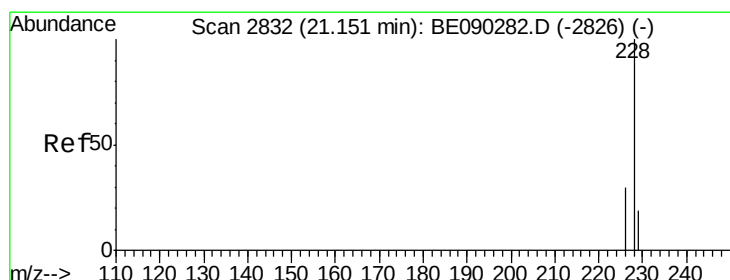
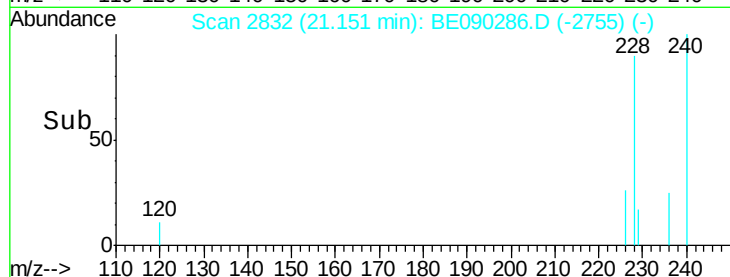
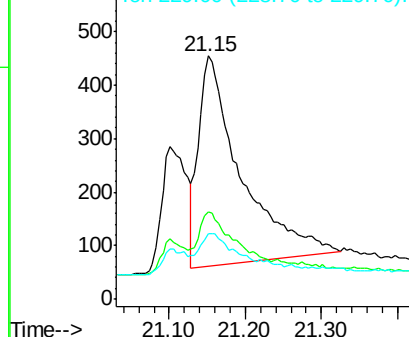
228 100

226 36.0 24.6 36.8

229 26.8 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: 0.09 ng/ul

RT: 21.15 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BE090286.D

Acq: 29 Jul 2015 17:52

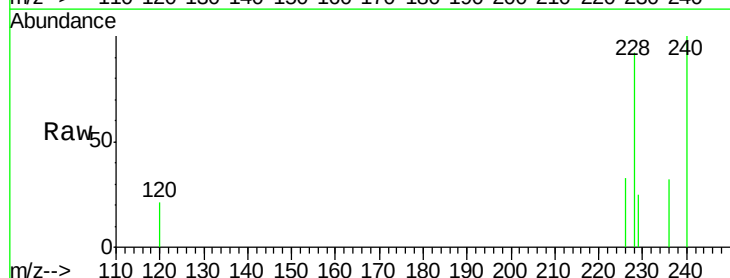
Tgt Ion:228 Resp: 1508

Ion Ratio Lower Upper

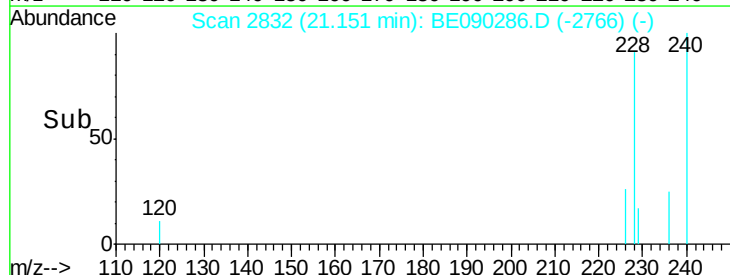
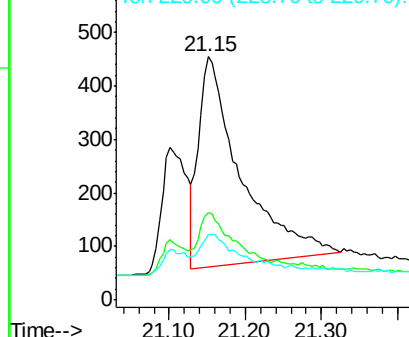
228 100

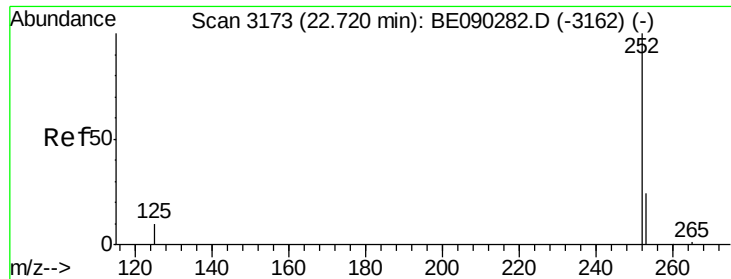
226 36.0 25.0 37.4

229 26.8 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: 0.20 ng/ul

RT: 22.77 min Scan# 3185

Delta R.T. 0.05 min

Lab File: BE090286.D

Acq: 29 Jul 2015 17:52

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

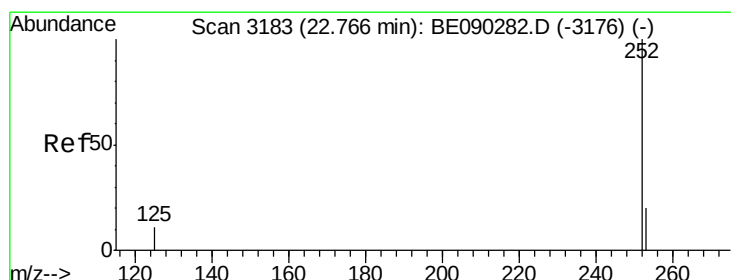
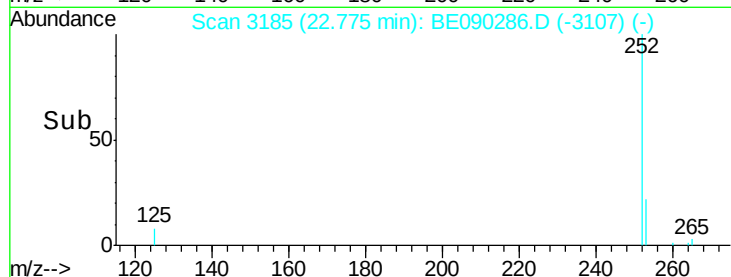
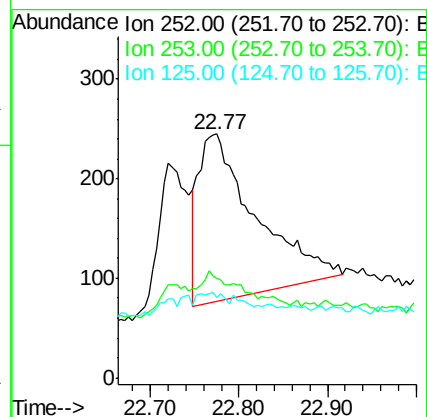
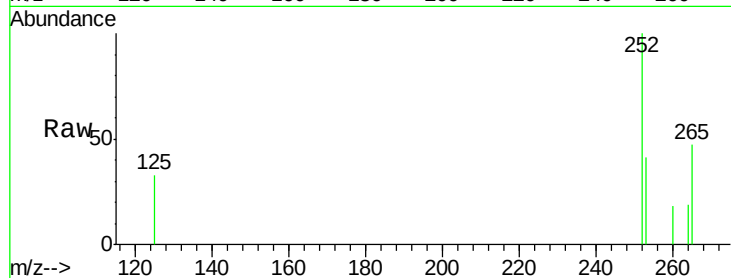
Tot Ion:252 Resp: 748

Ion Ratio Lower Upper

252 100

253 40.8 0.0 57.2

125 33.1 0.0 34.6



#22

Benzo(k)fluoranthene

Concen: 0.06 ng/ul

RT: 22.77 min Scan# 3185

Delta R.T. 0.01 min

Lab File: BE090286.D

Acq: 29 Jul 2015 17:52

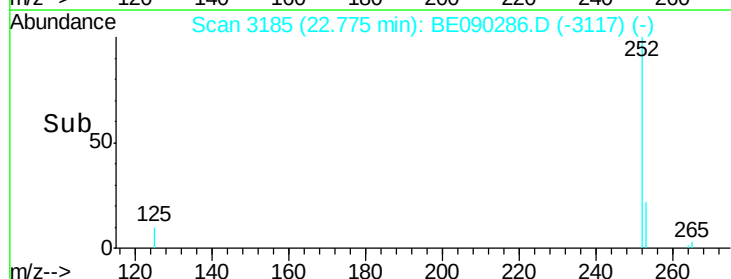
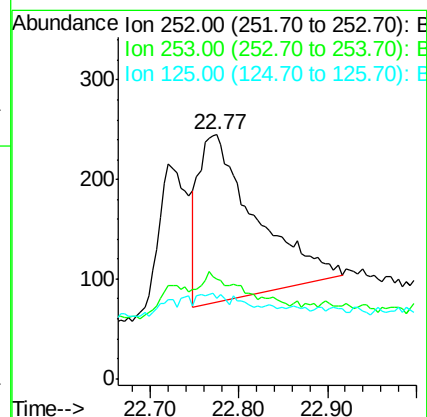
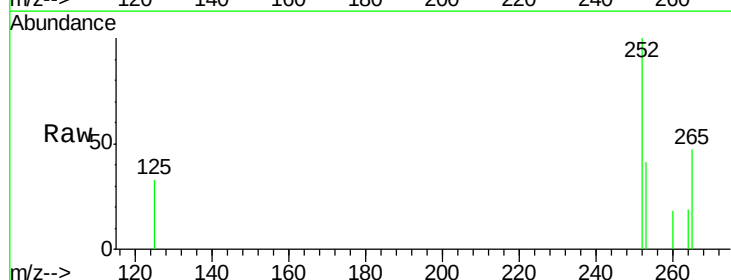
Tgt Ion:252 Resp: 748

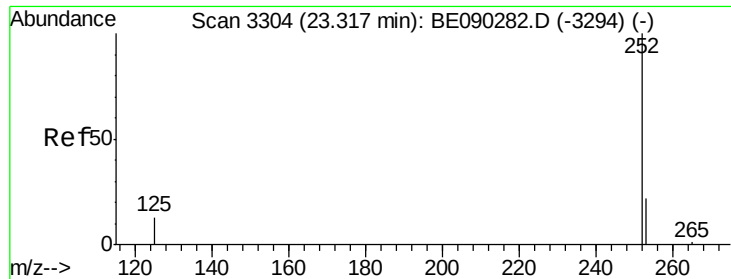
Ion Ratio Lower Upper

252 100

253 40.8 21.3 31.9#

125 33.1 13.3 19.9#





#23

Benzo(a)pyrene

Concen: 0.09 ng/ul

RT: 23.33 min Scan# 3306

Delta R.T. 0.01 min

Lab File: BE090286.D

Acq: 29 Jul 2015 17:52

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

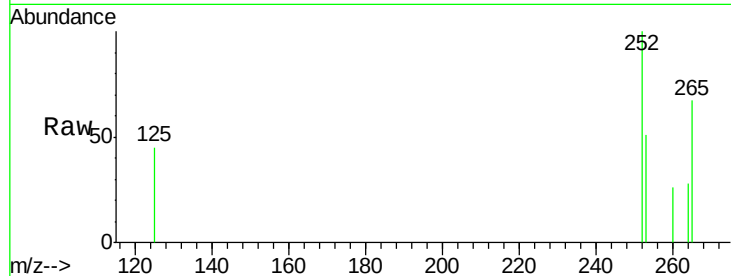
Tot Ion:252 Resp: 439

Ion Ratio Lower Upper

252 100

253 50.6 24.9 37.3#

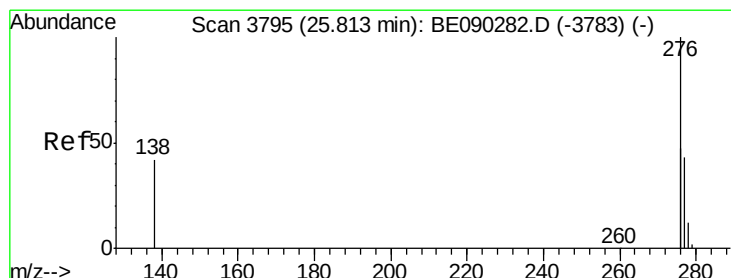
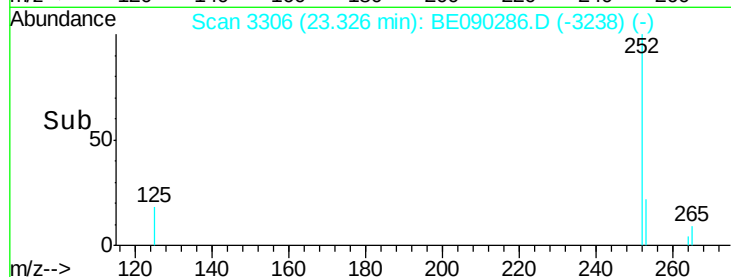
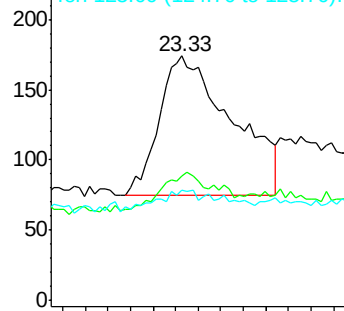
125 44.8 17.5 26.3#



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# 3797

Delta R.T. 0.01 min

Lab File: BE090286.D

Acq: 29 Jul 2015 17:52

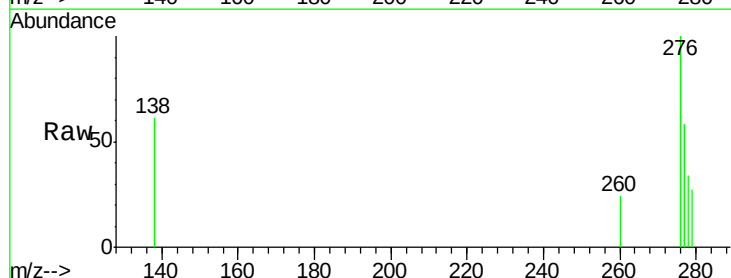
Tgt Ion:276 Resp: 1214

Ion Ratio Lower Upper

276 100

138 0.0 13.5 20.3#

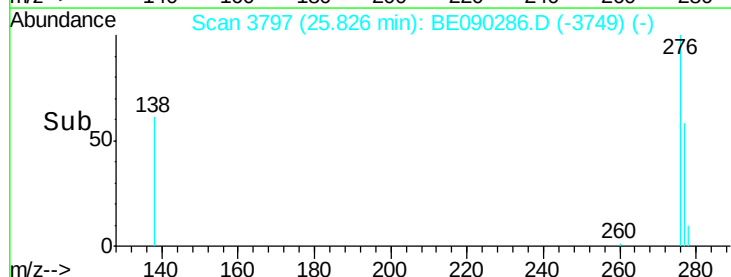
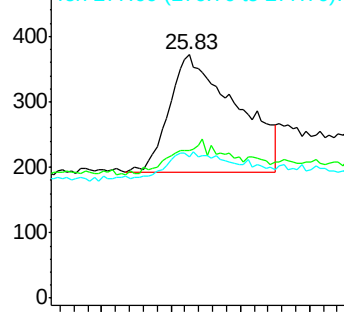
277 7.0 16.4 24.6#

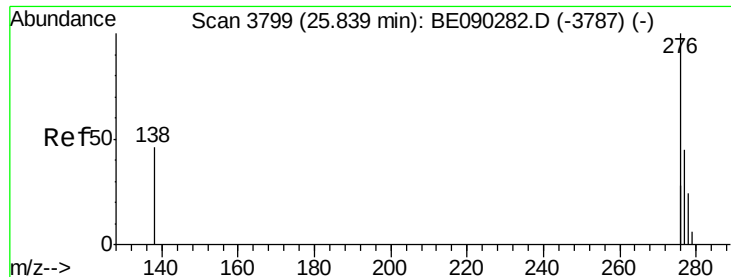


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

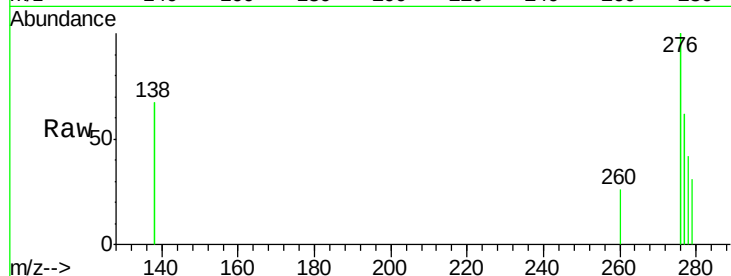




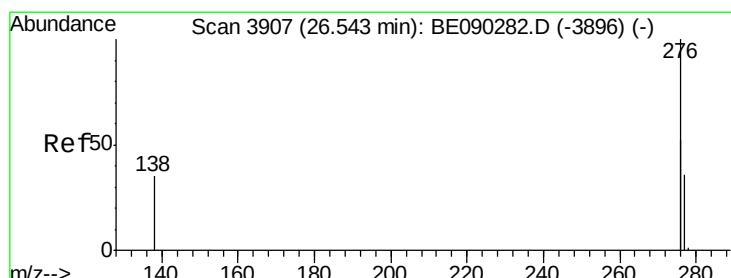
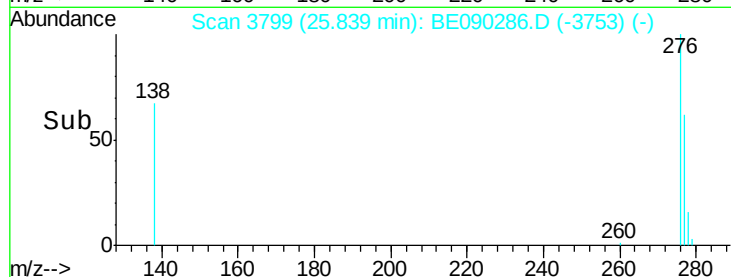
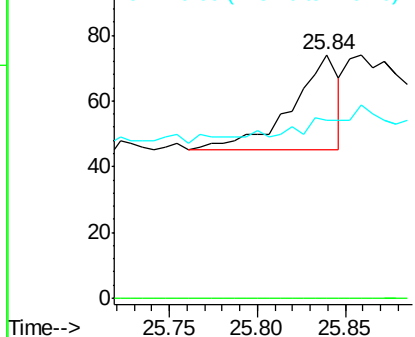
#25
Dibenzo(a,h)anthracene
Concen: 0.03 ng/ul
RT: 25.84 min Scan# 3799
Delta R.T. 0.00 min
Lab File: BE090286.D
Acq: 29 Jul 2015 17:52

Instrument :
BNA_E
ClientSampled :
MDL-04-S

Tot Ion:278 Resp: 54
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 73.0 37.4 56.0#

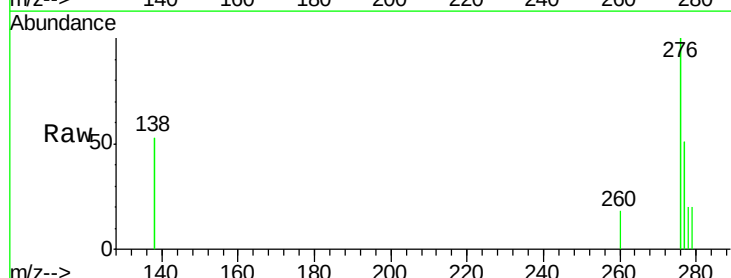


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.08 ng/ul
RT: 26.55 min Scan# 3908
Delta R.T. 0.01 min
Lab File: BE090286.D
Acq: 29 Jul 2015 17:52

Tgt Ion:276 Resp: 1786
Ion Ratio Lower Upper
276 100
277 51.0 25.5 38.3#
138 52.6 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

