

Data Path : Z:\HPCHEM1\BNA E\DATA\BE073015\
 Data File : BE090299.D
 Acq On : 30 Jul 2015 15:48
 Operator : TP/IZ
 Sample : MDL-07-W
 Misc : MDL-SIM2.2-WATER-0.15PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-07-W

Quant Time: Jul 31 06:13:00 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	920	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	3704	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2174	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	4771	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	2791	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	1648	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	2470	0.43	ng/ul	0.01
14) Fluoranthene-d10	18.97	212	5319	0.40	ng/ul	0.00

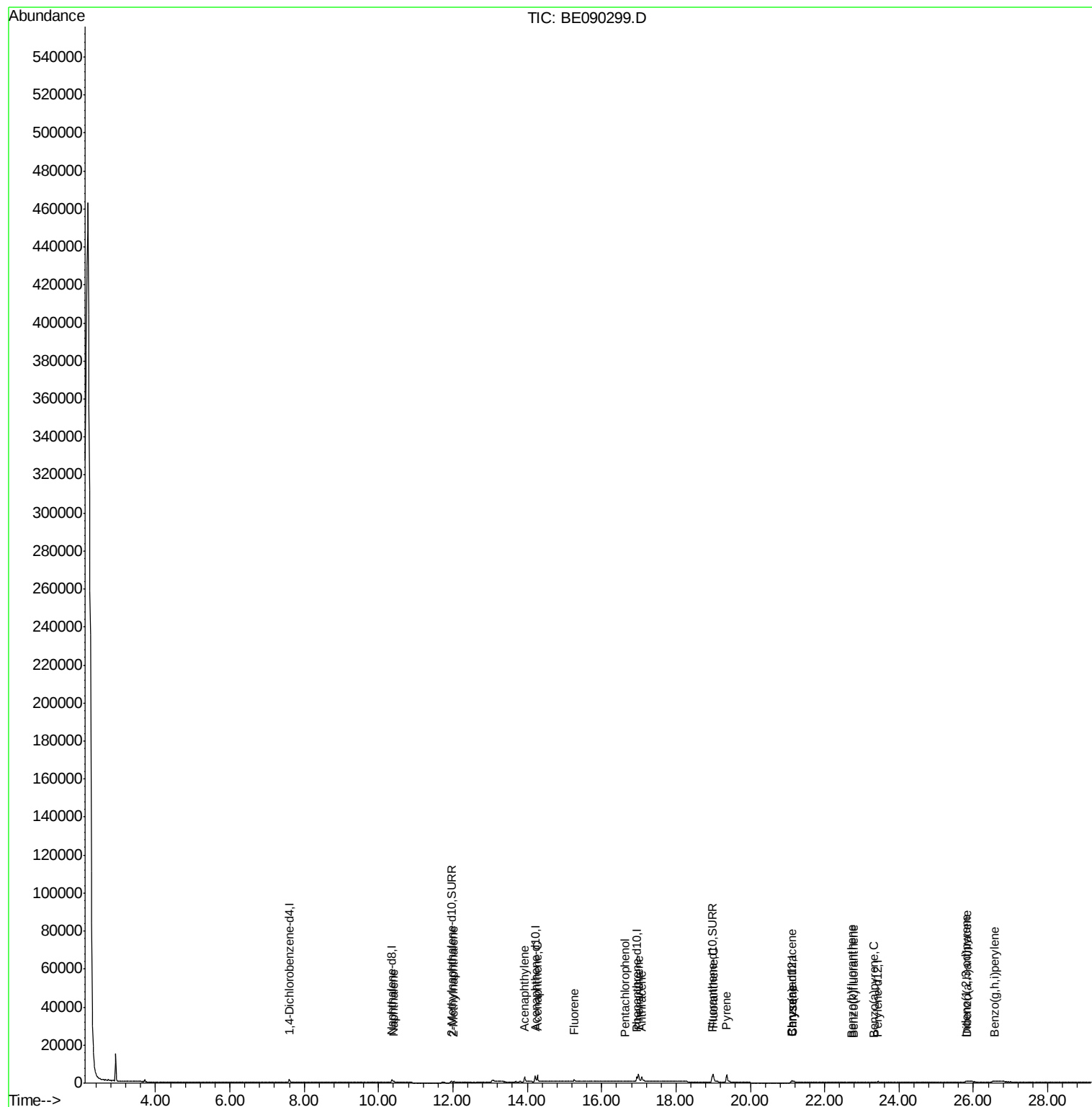
Target Compounds						Ovalue
3) Naphthalene	10.41	128	1211	0.12	ng/ul#	86
5) 2-Methylnaphthalene	12.03	142	743	0.12	ng/ul	96
7) Acenaphthylene	13.93	152	5623	0.12	ng/ul#	92
8) Acenaphthene	14.27	153	4053	0.12	ng/ul	98
9) Fluorene	15.27	166	1043	0.12	ng/ul#	96
11) Pentachlorophenol	16.62	266	49	0.16	ng/ul#	89
12) Phenanthrene	16.99	178	6002	0.12	ng/ul#	92
13) Anthracene	17.07	178	6224	0.12	ng/ul#	87
15) Fluoranthene	19.00	202	7218	0.12	ng/ul	95
17) Pyrene	19.36	202	7383	0.14	ng/ul#	91
18) Benzo(a)anthracene	21.10	228	444	0.11	ng/ul#	78
19) Chrysene	21.15	228	1048	0.09	ng/ul#	83
21) Benzo(b)fluoranthene	22.73	252	229	0.09	ng/ul#	54
22) Benzo(k)fluoranthene	22.77	252	475	0.06	ng/ul#	59
23) Benzo(a)pyrene	23.33	252	268	0.08	ng/ul#	53
24) Indeno(1,2,3-cd)pyrene	25.81	276	674	0.06	ng/ul#	81
25) Dibenzo(a,h)anthracene	25.85	278	104	0.08	ng/ul#	53
26) Benzo(g,h,i)perylene	26.56	276	1405	0.10	ng/ul#	50

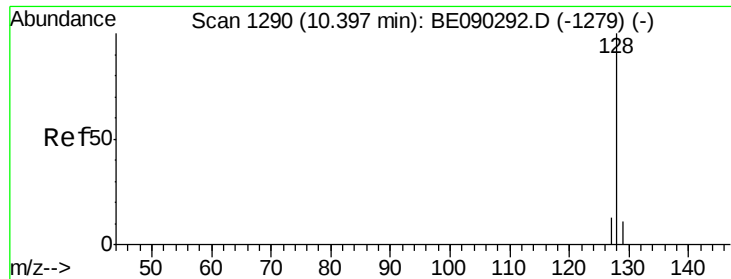
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.12 ng/ul

RT: 10.41 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BE090299.D

Acq: 30 Jul 2015 15:48

Instrument :

BNA_E

ClientSampleId :

MDL-07-W

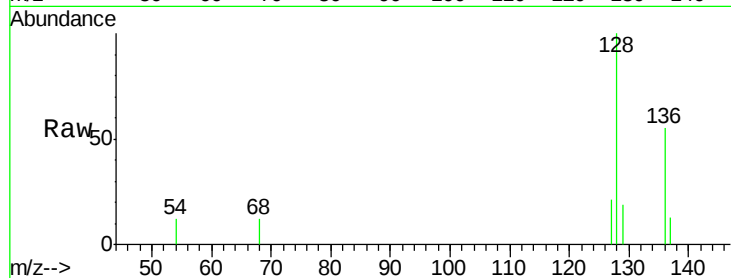
Tot Ion:128 Resp: 1211

Ion Ratio Lower Upper

128 100

129 18.8 10.4 15.6#

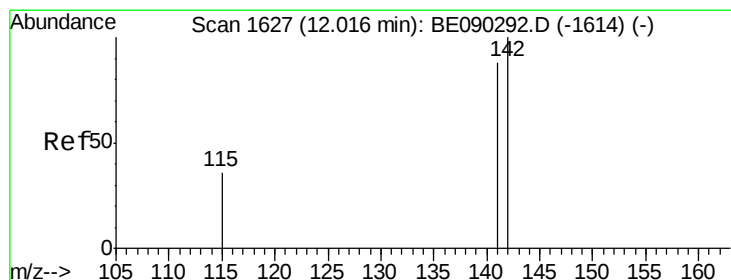
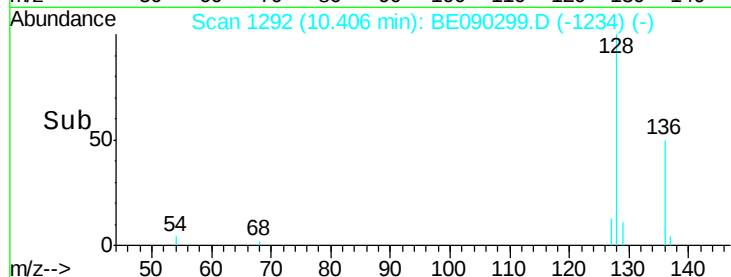
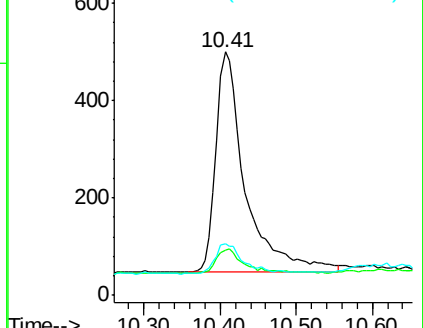
127 21.0 12.1 18.1#



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: 0.12 ng/ul

RT: 12.03 min Scan# 1629

Delta R.T. 0.01 min

Lab File: BE090299.D

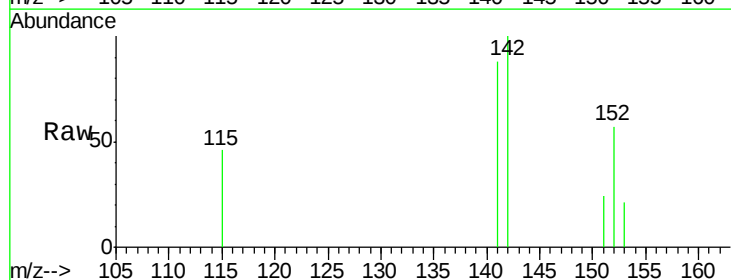
Acq: 30 Jul 2015 15:48

Tgt Ion:142 Resp: 743

Ion Ratio Lower Upper

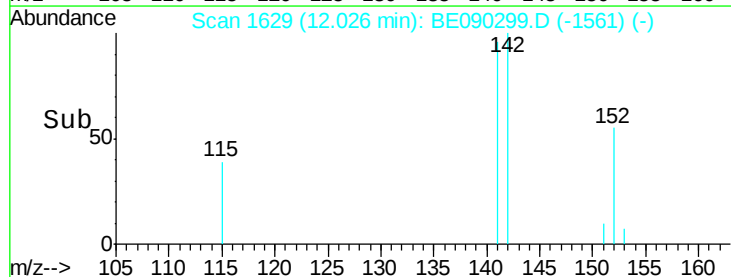
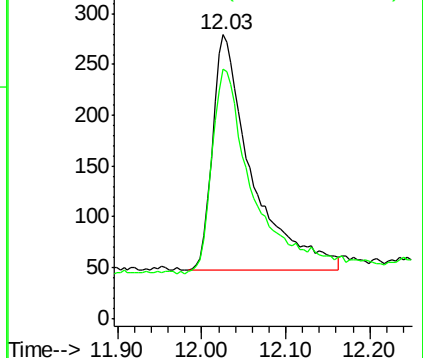
142 100

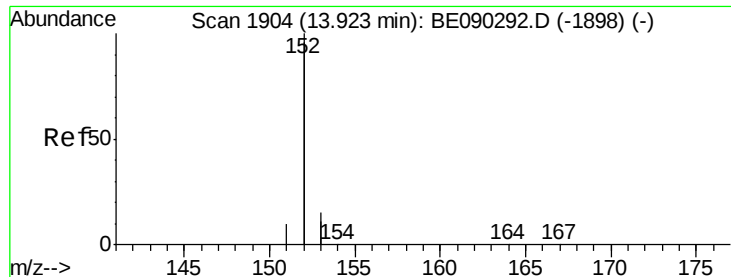
141 87.6 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.12 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.01 min

Lab File: BE090299.D

Acq: 30 Jul 2015 15:48

Instrument :

BNA_E

ClientSampleId :

MDL-07-W

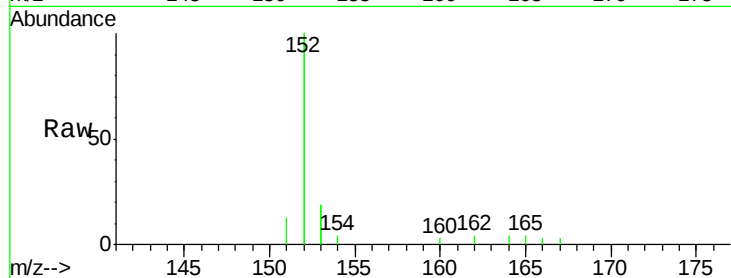
Tot Ion:152 Resp: 5623

Ion Ratio Lower Upper

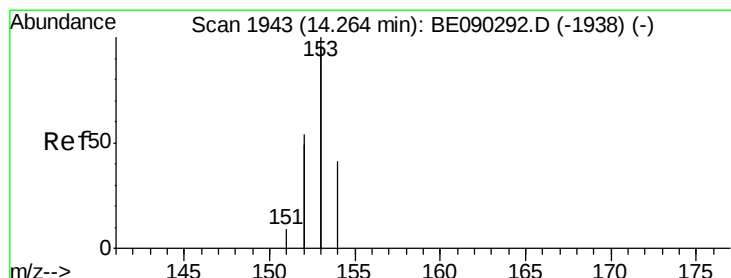
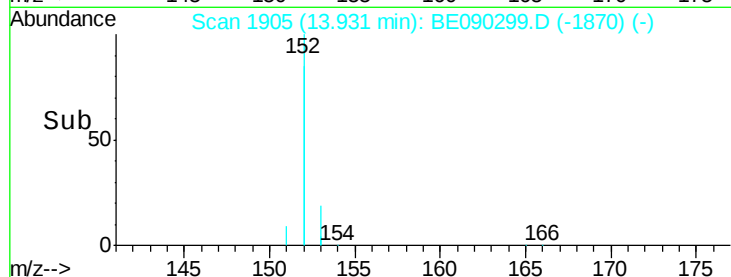
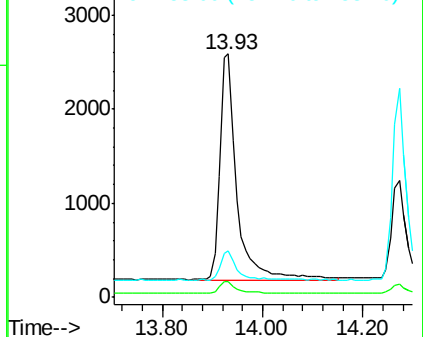
152 100

151 6.3 4.3 6.5

153 18.8 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: 0.12 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.01 min

Lab File: BE090299.D

Acq: 30 Jul 2015 15:48

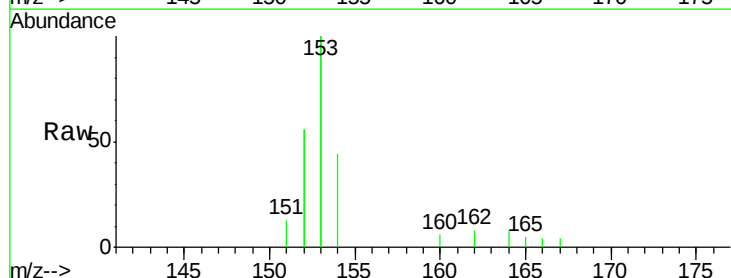
Tgt Ion:153 Resp: 4053

Ion Ratio Lower Upper

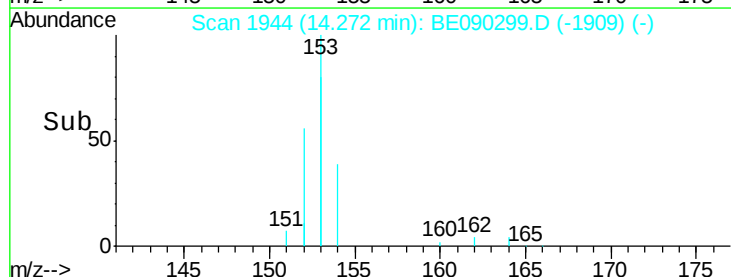
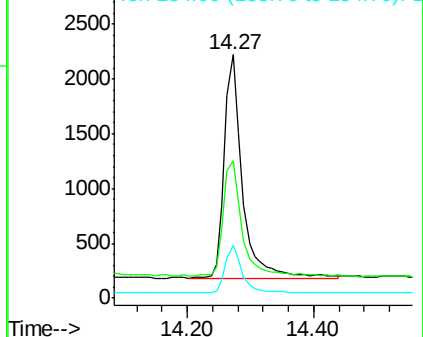
153 100

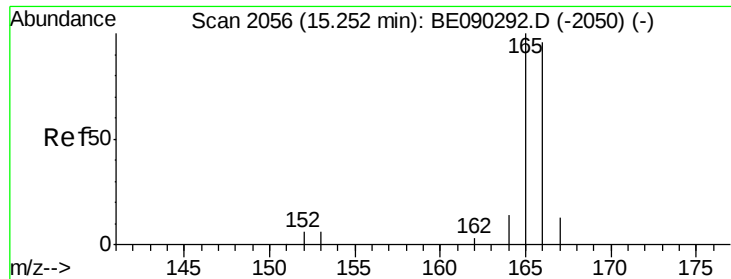
152 56.3 45.7 68.5

154 21.8 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: 0.12 ng/ul

RT: 15.27 min Scan# 2058

Delta R.T. 0.02 min

Lab File: BE090299.D

Acq: 30 Jul 2015 15:48

Instrument :

BNA_E

ClientSampleId :

MDL-07-W

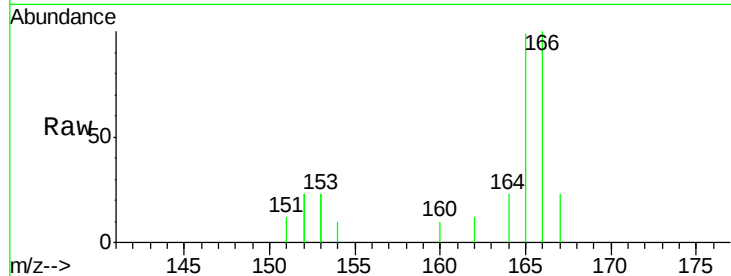
Tot Ion:166 Resp: 1043

Ion Ratio Lower Upper

166 100

165 98.7 80.3 120.5

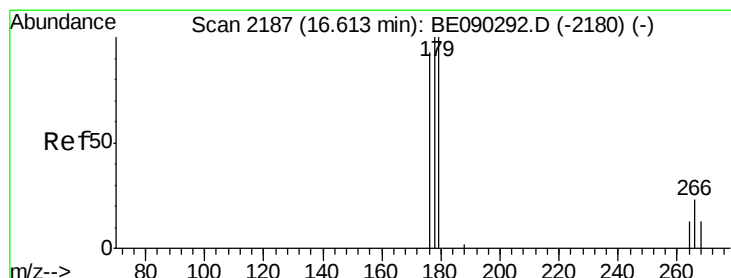
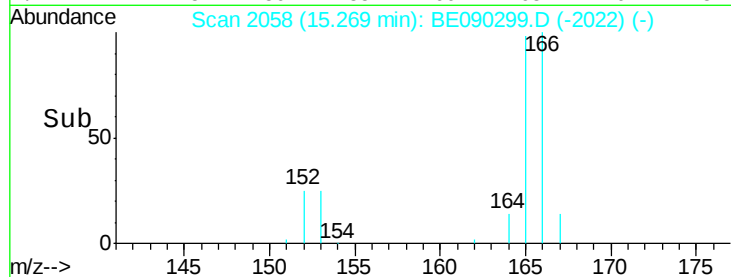
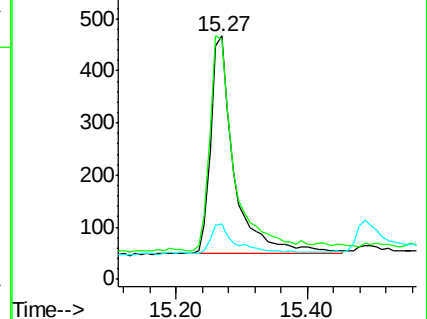
167 22.9 12.4 18.6#



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: 0.16 ng/ul

RT: 16.62 min Scan# 2188

Delta R.T. 0.01 min

Lab File: BE090299.D

Acq: 30 Jul 2015 15:48

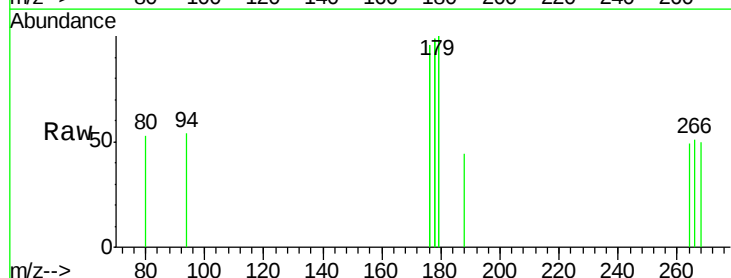
Tgt Ion:266 Resp: 49

Ion Ratio Lower Upper

266 100

264 65.3 43.4 65.0#

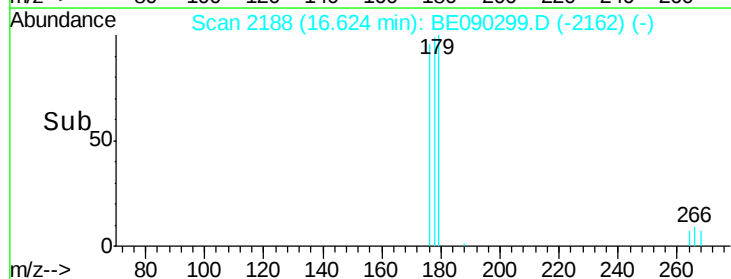
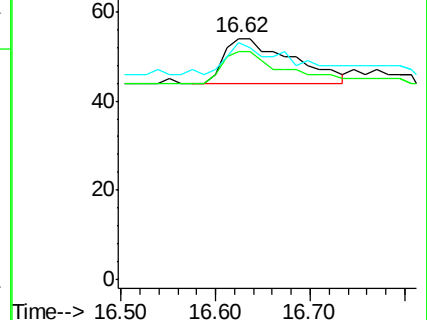
268 61.2 44.6 66.8

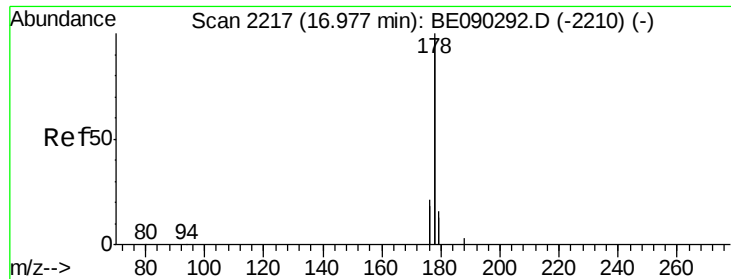


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

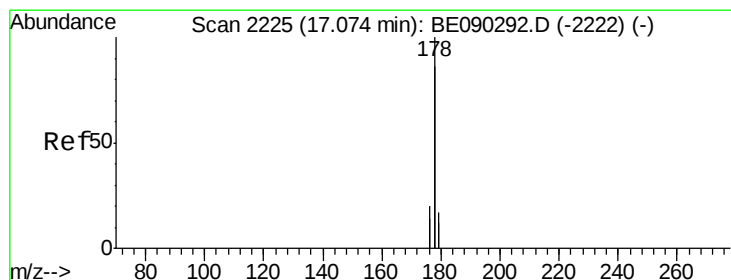
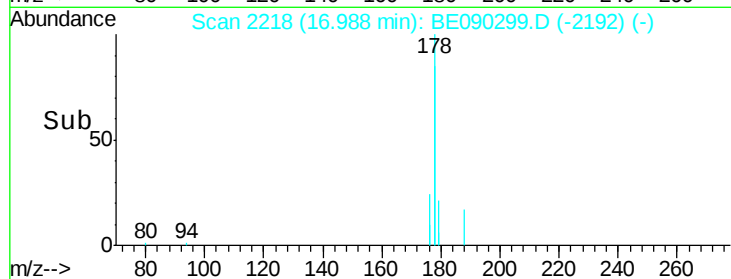
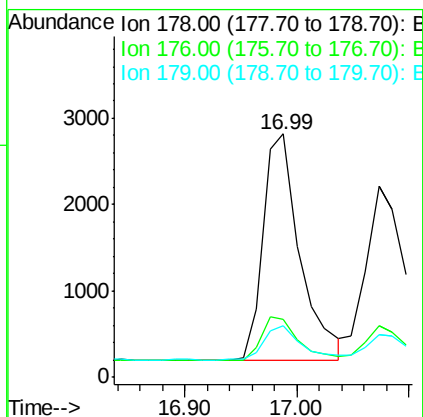
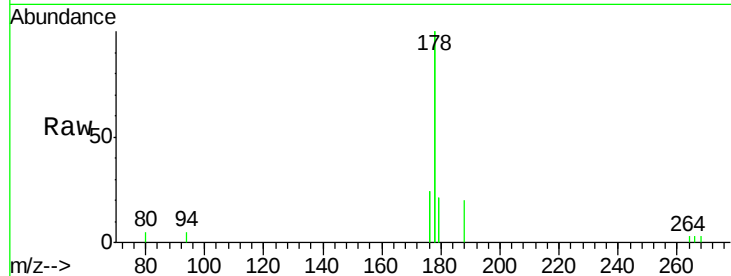




#12
Phenanthrene
Concen: 0.12 ng/ul
RT: 16.99 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BE090299.D
Acq: 30 Jul 2015 15:48

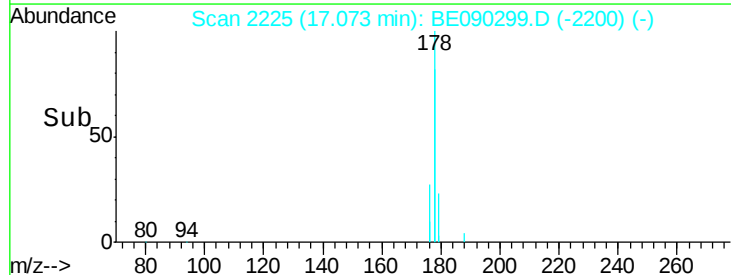
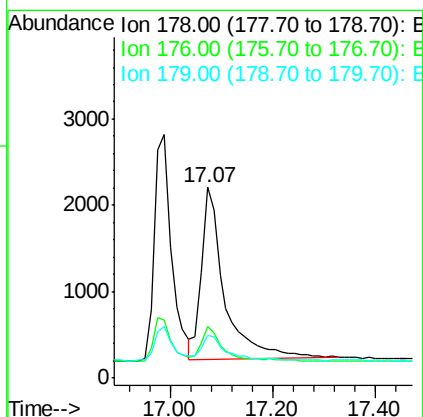
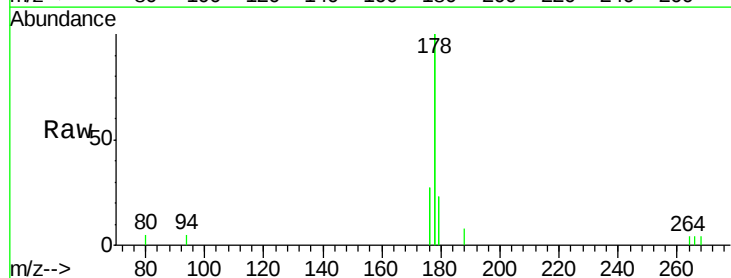
Instrument :
BNA_E
ClientSampleId :
MDL-07-W

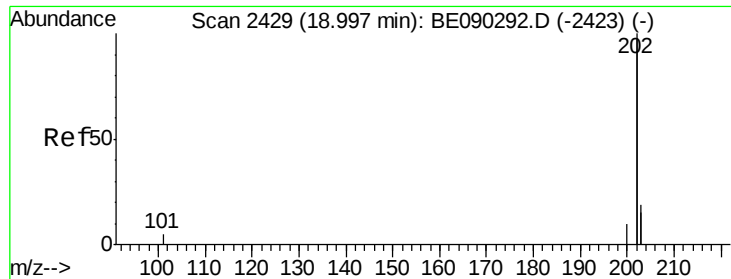
Tot Ion:178 Resp: 6002
Ion Ratio Lower Upper
178 100
176 23.8 17.3 25.9
179 21.2 13.1 19.7#



#13
Anthracene
Concen: 0.12 ng/ul
RT: 17.07 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BE090299.D
Acq: 30 Jul 2015 15:48

Tgt Ion:178 Resp: 6224
Ion Ratio Lower Upper
178 100
176 27.1 16.4 24.6#
179 22.6 13.9 20.9#

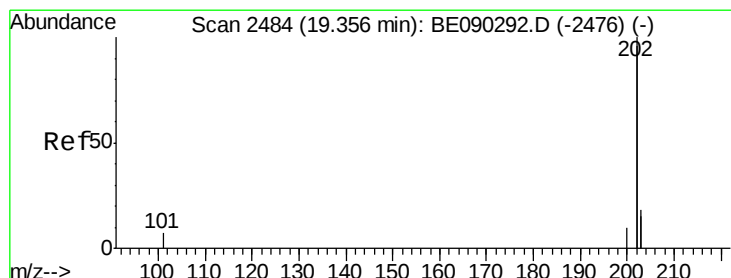
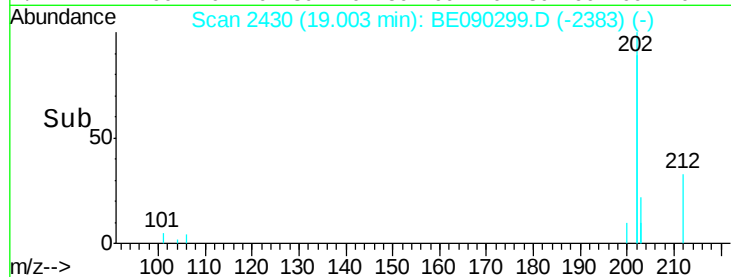
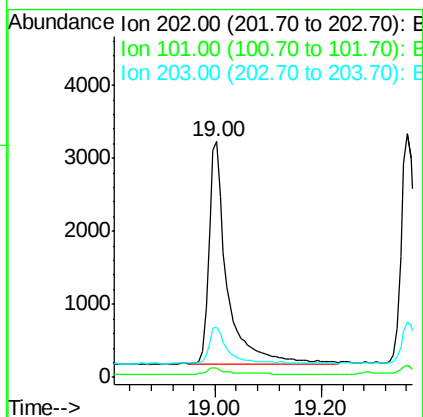
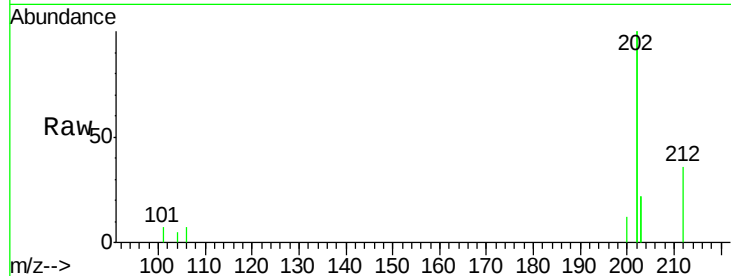




#15
Fluoranthene
Concen: 0.12 ng/ul
RT: 19.00 min Scan# 2430
Delta R.T. 0.01 min
Lab File: BE090299.D
Acq: 30 Jul 2015 15:48

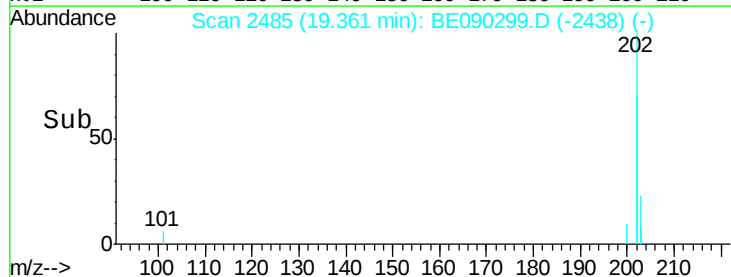
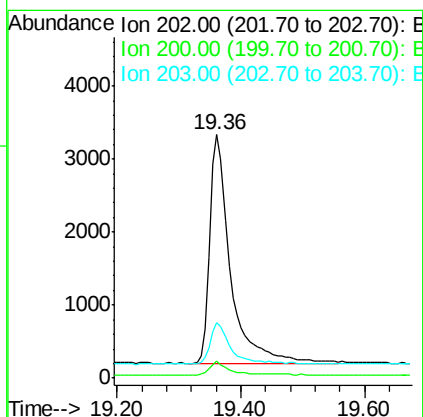
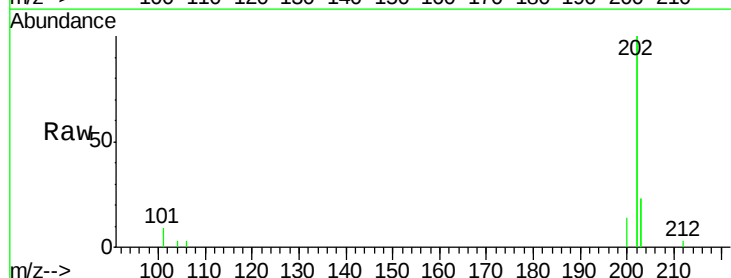
Instrument :
BNA_E
ClientSampleId :
MDL-07-W

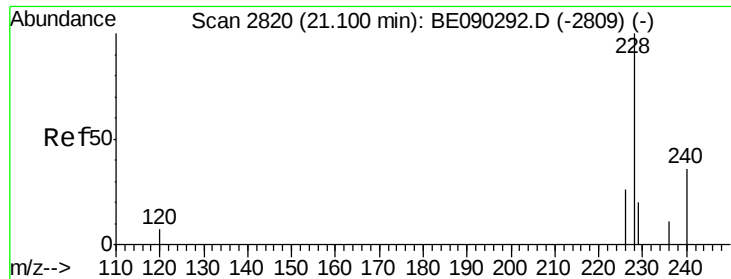
Tot Ion:202 Resp: 7218
Ion Ratio Lower Upper
202 100
101 3.7 0.0 22.9
203 21.7 0.0 39.0



#17
Pyrene
Concen: 0.14 ng/ul
RT: 19.36 min Scan# 2485
Delta R.T. 0.01 min
Lab File: BE090299.D
Acq: 30 Jul 2015 15:48

Tgt Ion:202 Resp: 7383
Ion Ratio Lower Upper
202 100
200 6.8 4.5 6.7#
203 22.7 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: BE090299.D

Acq: 30 Jul 2015 15:48

Instrument :

BNA_E

ClientSampleId :

MDL-07-W

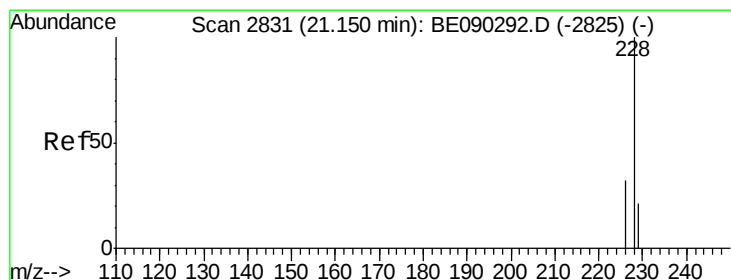
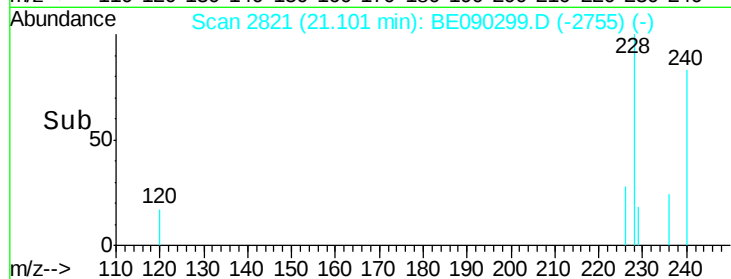
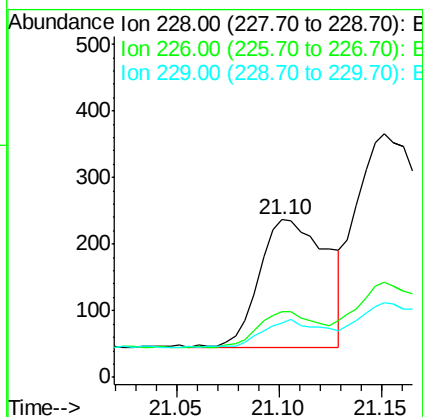
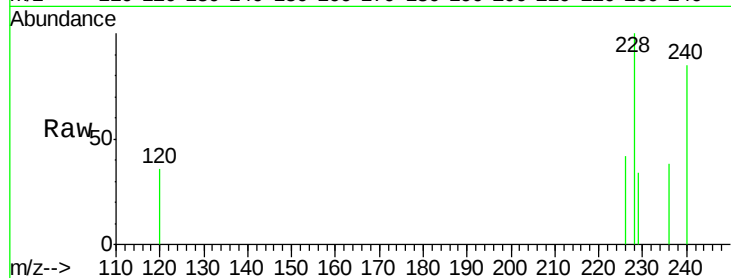
Tot Ion:228 Resp: 444

Ion Ratio Lower Upper

228 100

226 41.8 24.6 36.8#

229 34.2 17.9 26.9#



#19

Chrysene

Concen: 0.09 ng/ul

RT: 21.15 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BE090299.D

Acq: 30 Jul 2015 15:48

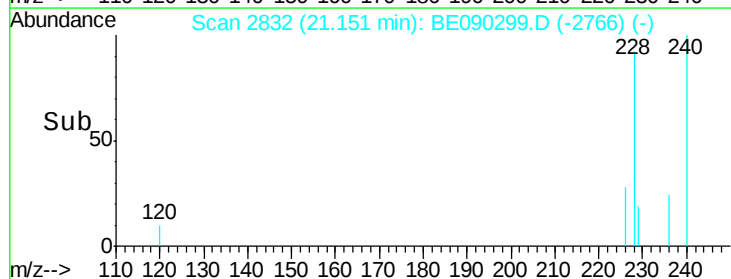
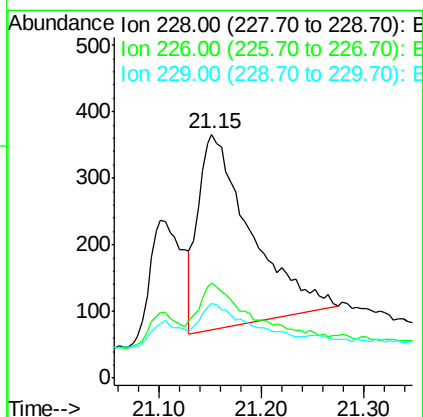
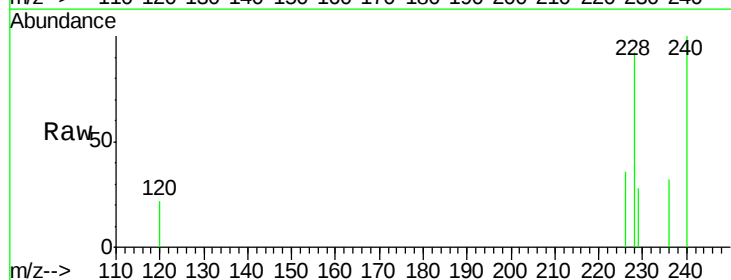
Tgt Ion:228 Resp: 1048

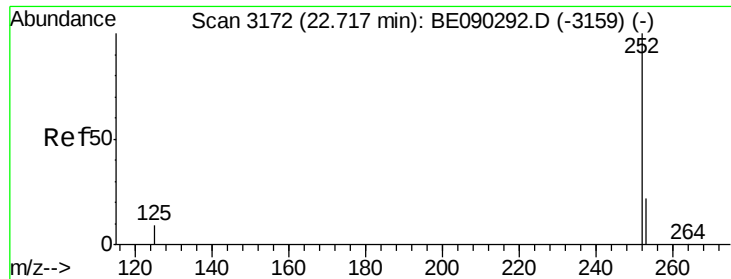
Ion Ratio Lower Upper

228 100

226 39.1 25.0 37.4#

229 30.6 16.6 24.8#

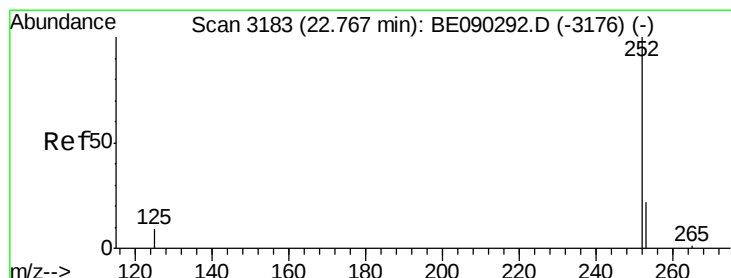
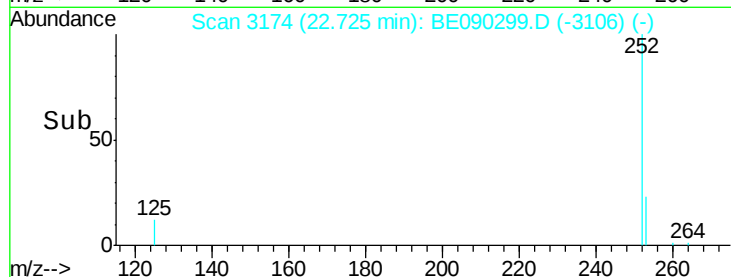
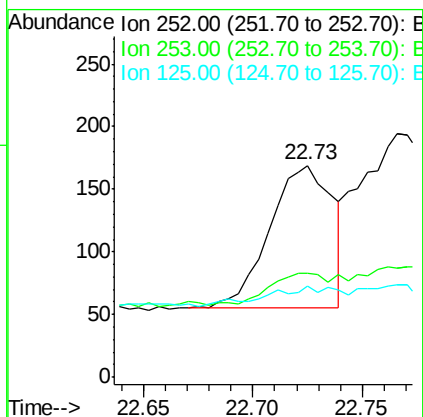
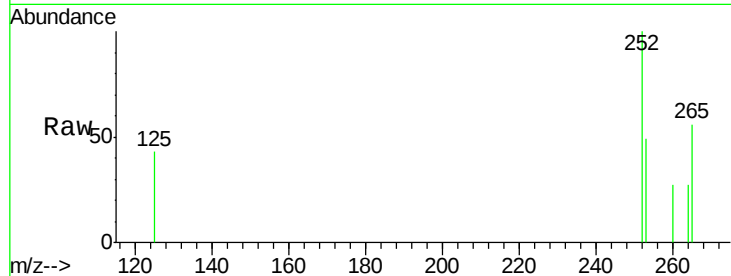




#21
Benzo(b)fluoranthene
Concen: 0.09 ng/ul
RT: 22.73 min Scan# 3174
Delta R.T. 0.01 min
Lab File: BE090299.D
Acq: 30 Jul 2015 15:48

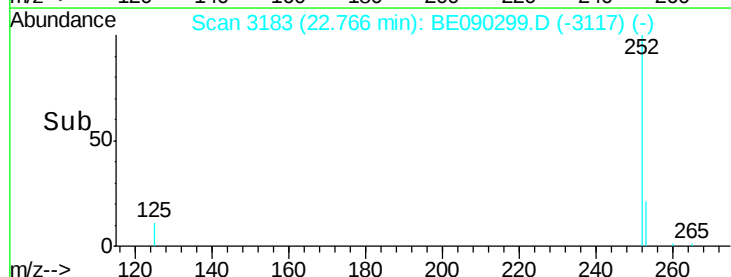
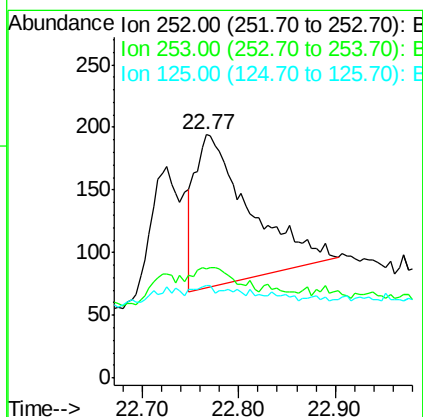
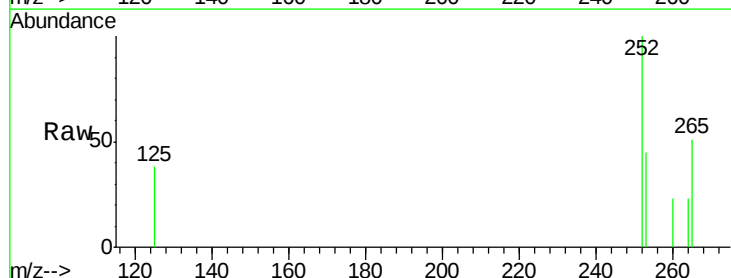
Instrument :
BNA_E
ClientSampleId :
MDL-07-W

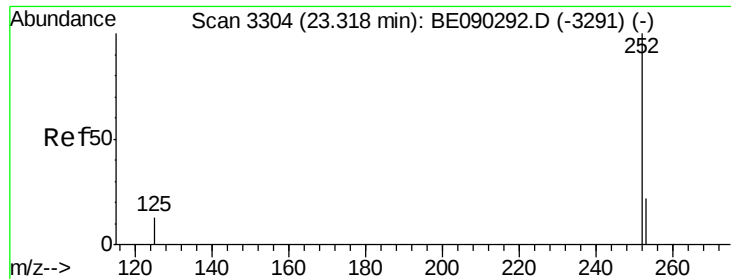
Tot Ion:252 Resp: 229
Ion Ratio Lower Upper
252 100
253 49.1 0.0 57.2
125 43.2 0.0 34.6#



#22
Benzo(k)fluoranthene
Concen: 0.06 ng/ul
RT: 22.77 min Scan# 3183
Delta R.T. -0.00 min
Lab File: BE090299.D
Acq: 30 Jul 2015 15:48

Tgt Ion:252 Resp: 475
Ion Ratio Lower Upper
252 100
253 44.8 21.3 31.9#
125 38.1 13.3 19.9#





#23

Benzo(a)pyrene

Concen: 0.08 ng/ul

RT: 23.33 min Scan# 3306

Delta R.T. 0.01 min

Lab File: BE090299.D

Acq: 30 Jul 2015 15:48

Instrument :

BNA_E

ClientSampleId :

MDL-07-W

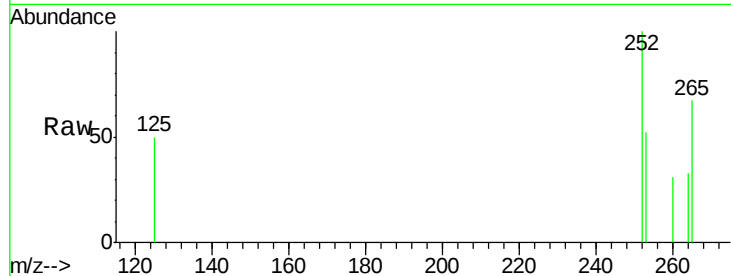
Tot Ion:252 Resp: 268

Ion Ratio Lower Upper

252 100

253 52.4 24.9 37.3#

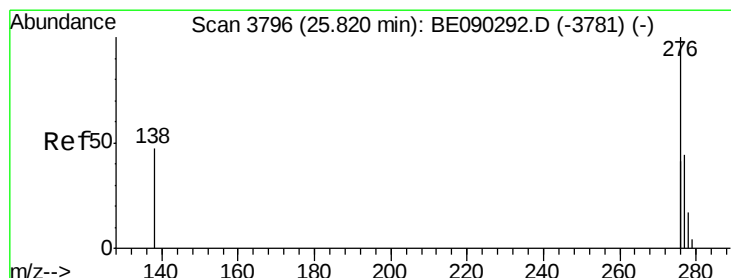
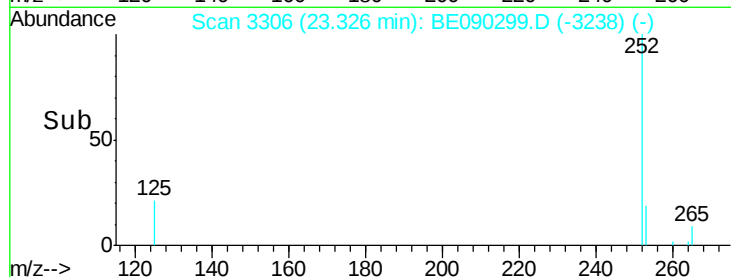
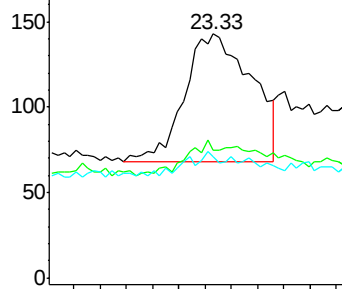
125 49.7 17.5 26.3#



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: 0.06 ng/ul

RT: 25.81 min Scan# 3795

Delta R.T. -0.01 min

Lab File: BE090299.D

Acq: 30 Jul 2015 15:48

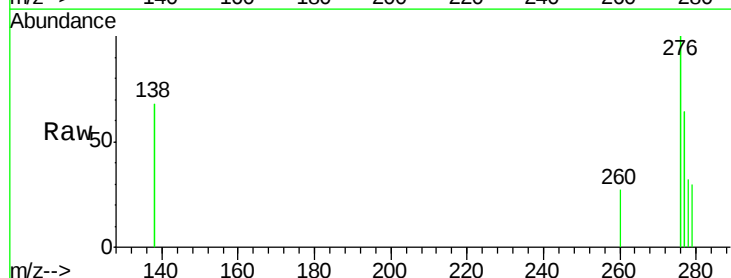
Tgt Ion:276 Resp: 674

Ion Ratio Lower Upper

276 100

138 26.0 13.5 20.3#

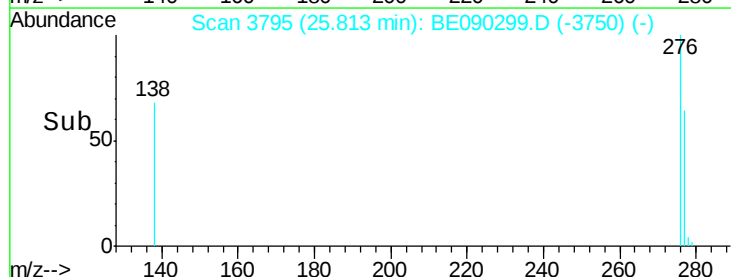
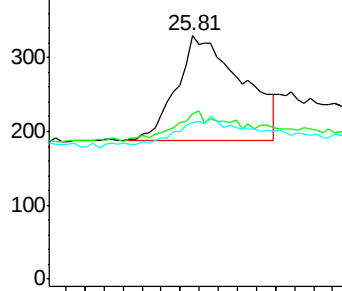
277 28.9 16.4 24.6#

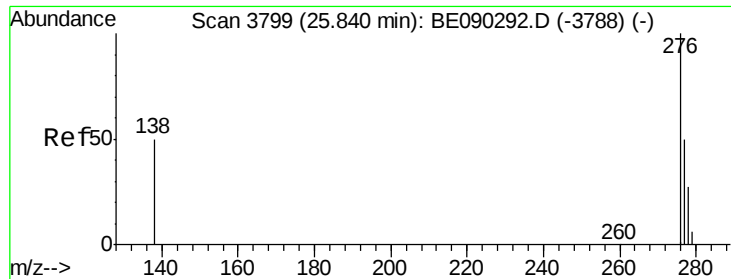


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

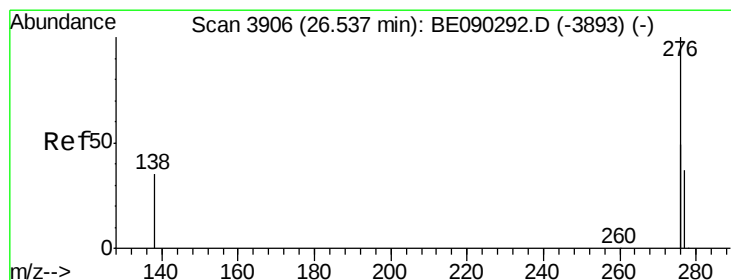
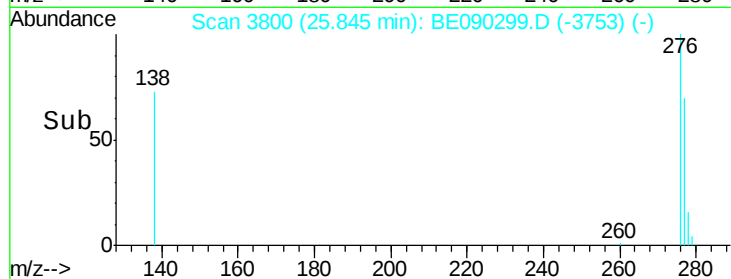
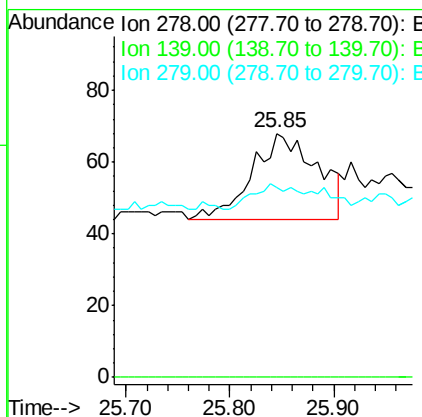
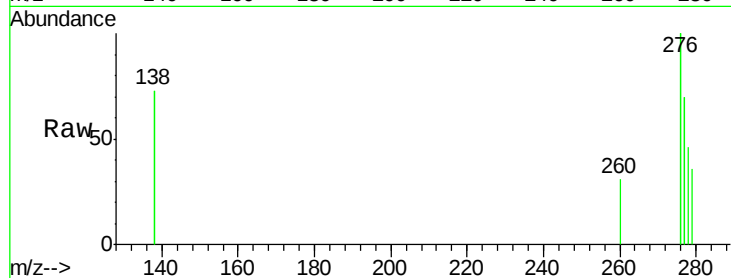




#25
Dibenzo(a,h)anthracene
Concen: 0.08 ng/ul
RT: 25.85 min Scan# 3800
Delta R.T. 0.01 min
Lab File: BE090299.D
Acq: 30 Jul 2015 15:48

Instrument :
BNA_E
ClientSampleId :
MDL-07-W

Tot Ion:278 Resp: 104
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 77.9 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: BE090299.D
Acq: 30 Jul 2015 15:48

Tgt Ion:276 Resp: 1405
Ion Ratio Lower Upper
276 100
277 57.5 25.5 38.3#
138 59.5 23.9 35.9#

