

Data Path : Z:\HPCHEM1\BNA E\DATA\BE073015\
 Data File : BE090297.D
 Acq On : 30 Jul 2015 14:37
 Operator : TP/IZ
 Sample : MDL-05-W
 Misc : MDL-SIM2.2-WATER-0.15PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-05-W

Quant Time: Jul 31 06:12:42 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	815	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	3463	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.21	164	1991	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	4444	0.40	ng/ul	0.00
16) Chrysene-d12	21.11	240	2601	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	1465	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.95	152	1960	0.37	ng/ul	0.01
14) Fluoranthene-d10	18.97	212	4862	0.40	ng/ul	0.00

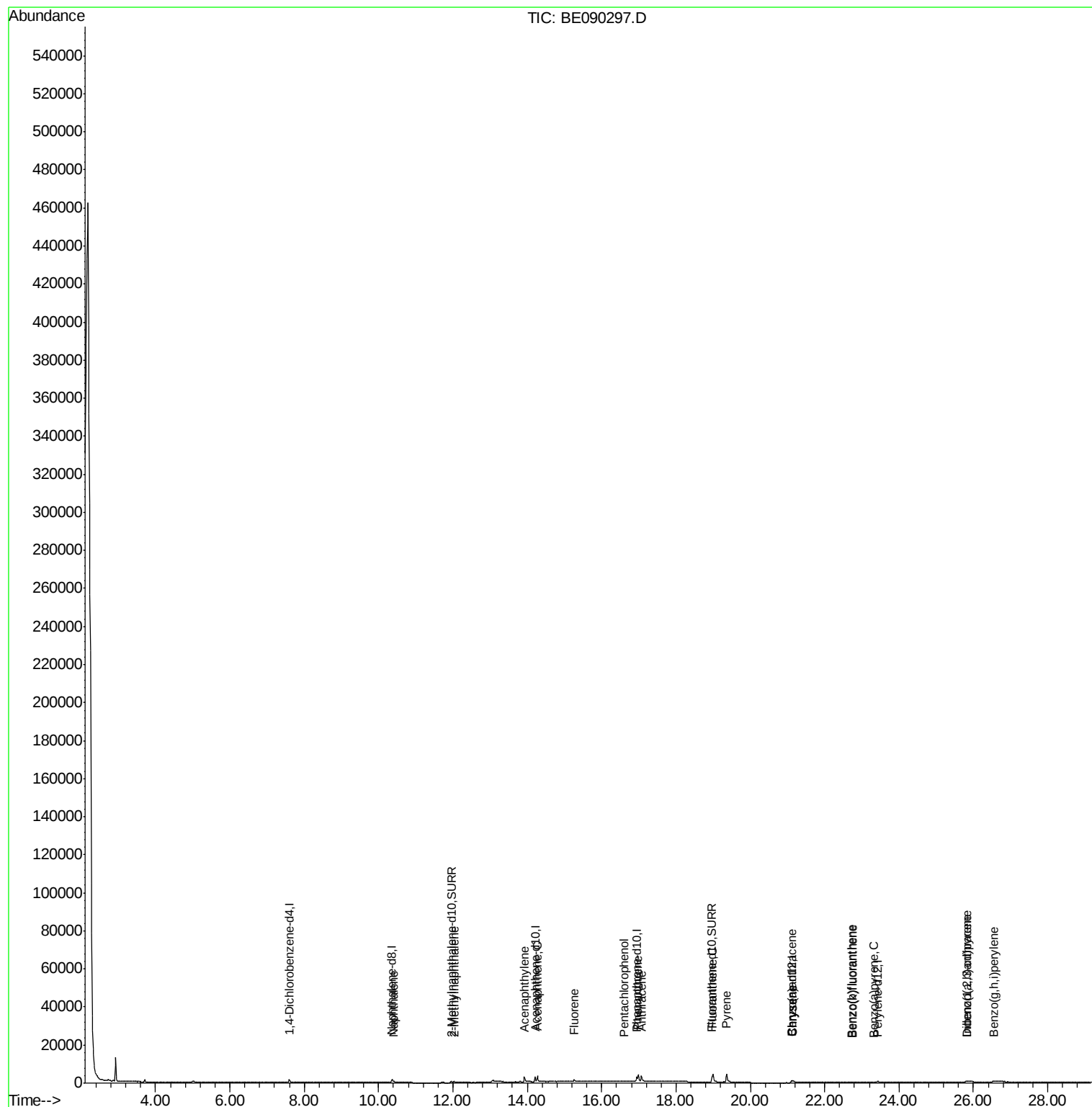
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.41	128	1078	0.12	ng/ul#	88
5) 2-Methylnaphthalene	12.03	142	671	0.11	ng/ul	96
7) Acenaphthylene	13.92	152	4887	0.12	ng/ul#	91
8) Acenaphthene	14.27	153	3616	0.12	ng/ul	99
9) Fluorene	15.26	166	955	0.12	ng/ul#	97
11) Pentachlorophenol	16.61	266	71	0.25	ng/ul	97
12) Phenanthrene	16.98	178	5608	0.12	ng/ul#	89
13) Anthracene	17.07	178	5780	0.12	ng/ul#	88
15) Fluoranthene	19.00	202	7061	0.13	ng/ul	95
17) Pyrene	19.36	202	7429	0.15	ng/ul	94
18) Benzo(a)anthracene	21.10	228	461	0.12	ng/ul#	83
19) Chrysene	21.15	228	1467	0.13	ng/ul#	89
21) Benzo(b)fluoranthene	22.72	252	260	0.12	ng/ul#	57
22) Benzo(k)fluoranthene	22.77	252	374	0.05	ng/ul#	61
23) Benzo(a)pyrene	23.33	252	267	0.09	ng/ul#	52
24) Indeno(1,2,3-cd)pyrene	25.81	276	692	0.07	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.85	278	67	0.06	ng/ul#	52
26) Benzo(g,h,i)perylene	26.56	276	1234	0.09	ng/ul#	55

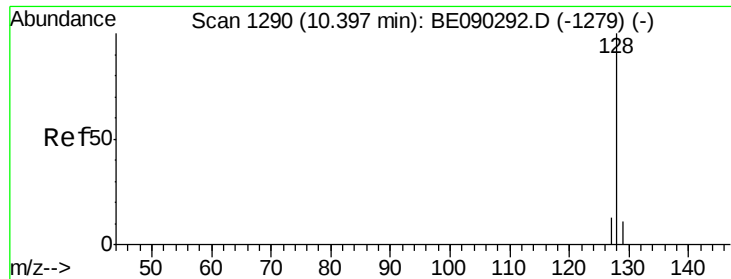
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 31 06:12:42 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE072815.M
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QLast Update : Fri Jul 31 06:10:41 2015
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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: BE090297.D

Acq: 30 Jul 2015 14:37

Instrument :

BNA_E

ClientSampleId :

MDL-05-W

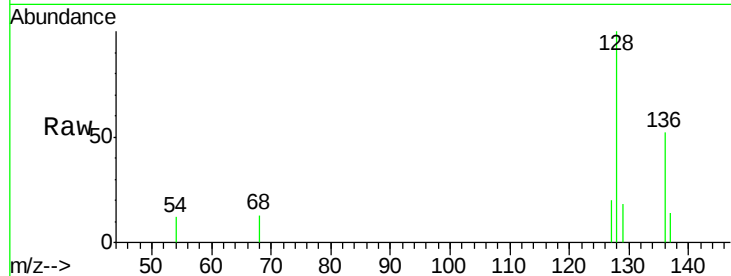
Tot Ion:128 Resp: 1078

Ion Ratio Lower Upper

128 100

129 17.9 10.4 15.6#

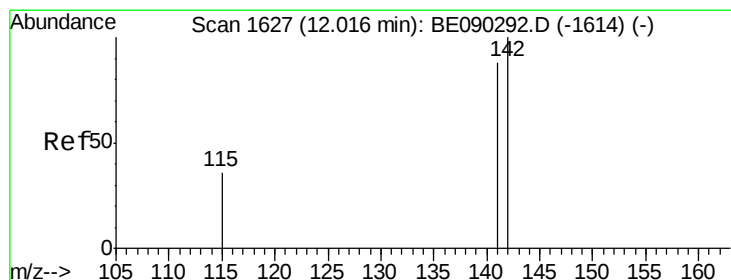
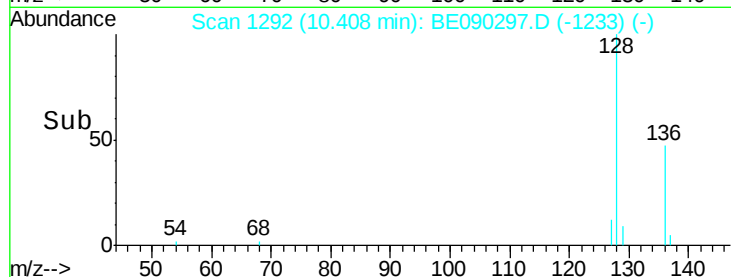
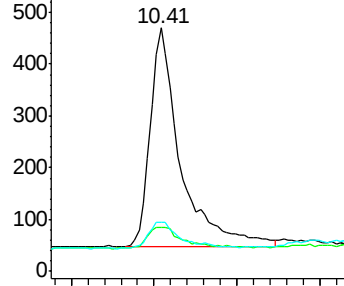
127 20.2 12.1 18.1#



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: BE090297.D

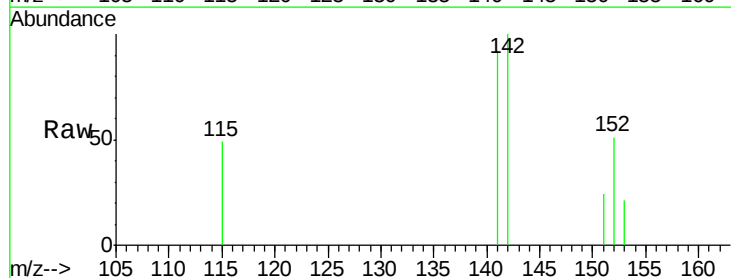
Acq: 30 Jul 2015 14:37

Tgt Ion:142 Resp: 671

Ion Ratio Lower Upper

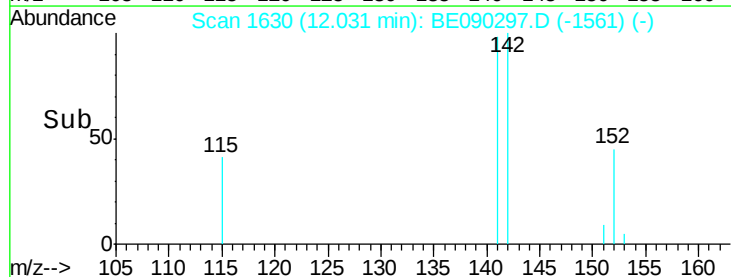
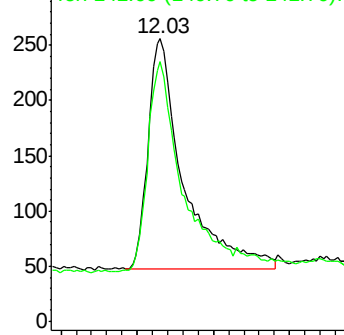
142 100

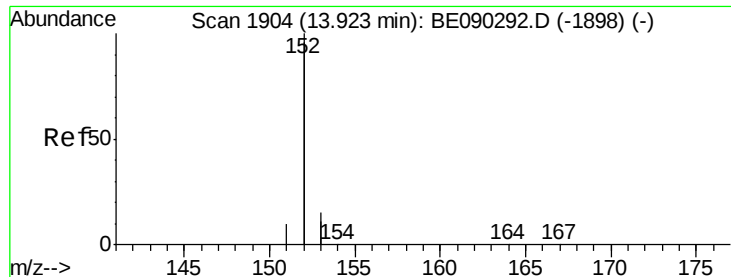
141 87.6 73.0 109.4



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: 13.92 min Scan# 1904

Delta R.T. -0.00 min

Lab File: BE090297.D

Acq: 30 Jul 2015 14:37

Instrument :

BNA_E

ClientSampleId :

MDL-05-W

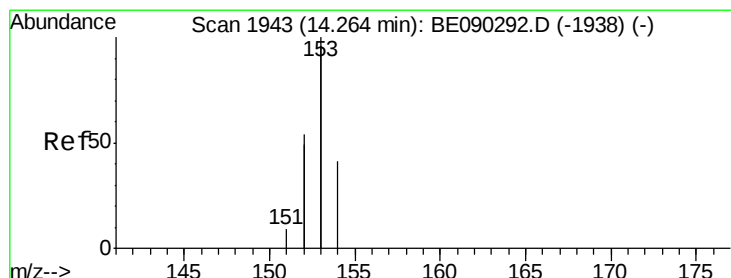
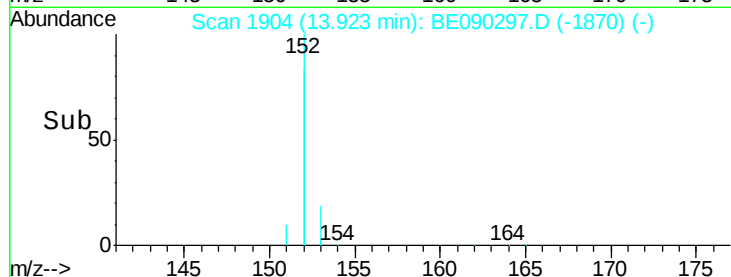
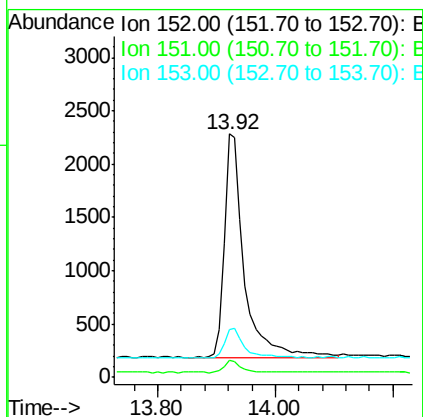
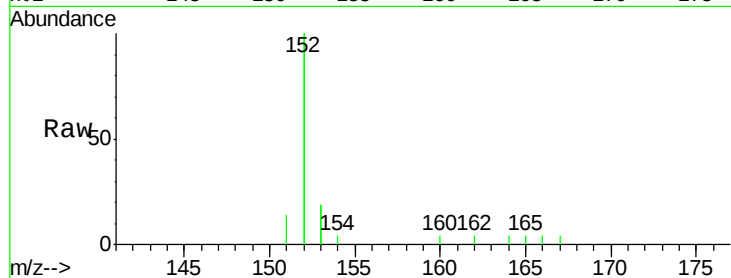
Tot Ion:152 Resp: 4887

Ion Ratio Lower Upper

152 100

151 7.1 4.3 6.5#

153 19.4 11.9 17.9#



#8

Acenaphthene

Concen: 0.12 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.01 min

Lab File: BE090297.D

Acq: 30 Jul 2015 14:37

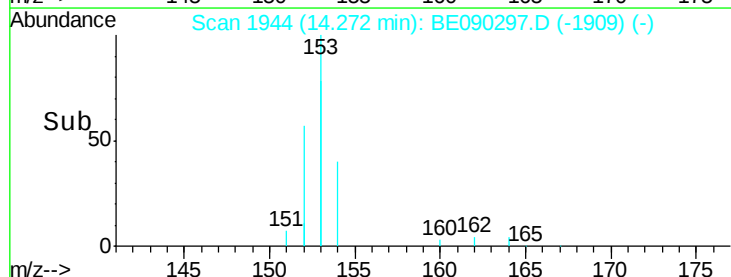
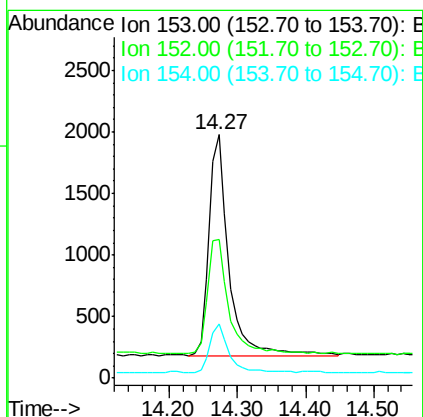
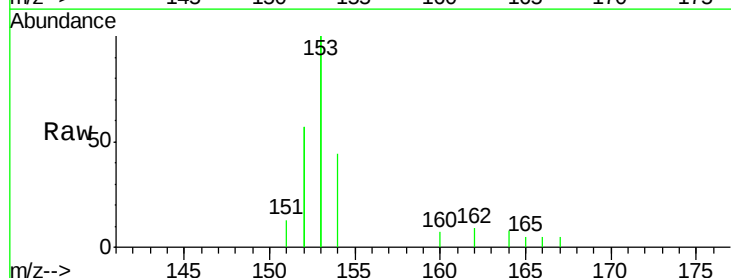
Tgt Ion:153 Resp: 3616

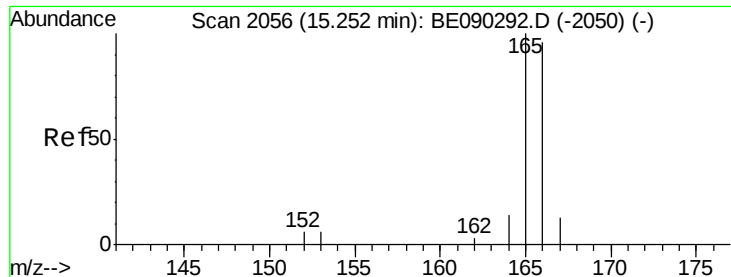
Ion Ratio Lower Upper

153 100

152 56.8 45.7 68.5

154 22.2 16.4 24.6





#9

Fluorene

Concen: 0.12 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BE090297.D

Acq: 30 Jul 2015 14:37

Instrument :

BNA_E

ClientSampleId :

MDL-05-W

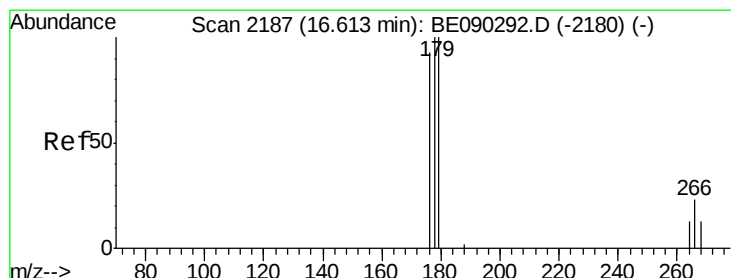
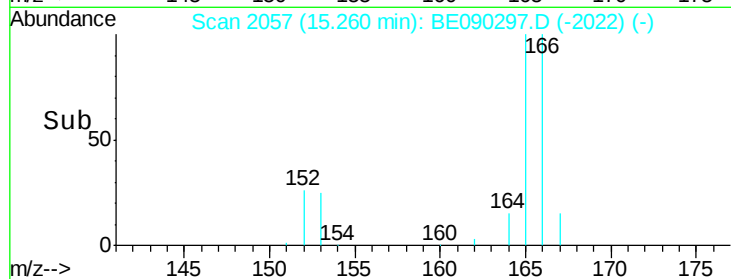
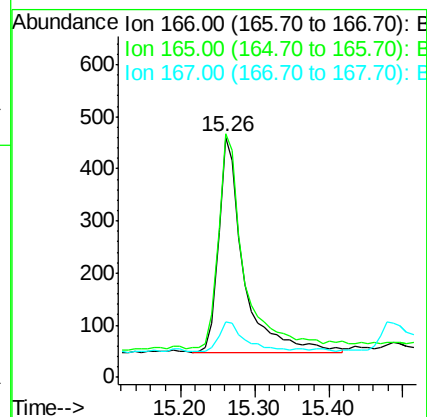
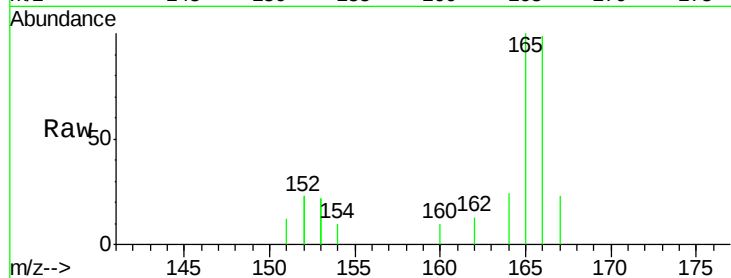
Tot Ion:166 Resp: 955

Ion Ratio Lower Upper

166 100

165 101.5 80.3 120.5

167 23.3 12.4 18.6#



#11

Pentachlorophenol

Concen: 0.25 ng/ul

RT: 16.61 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BE090297.D

Acq: 30 Jul 2015 14:37

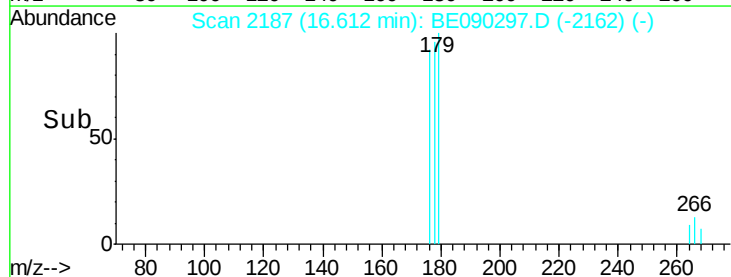
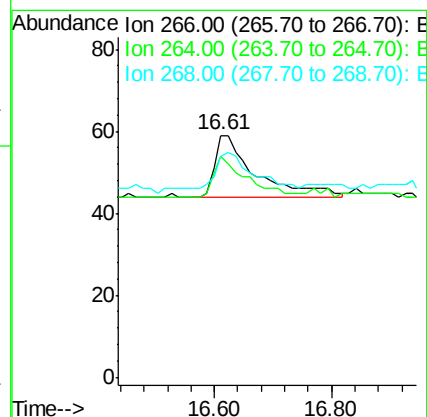
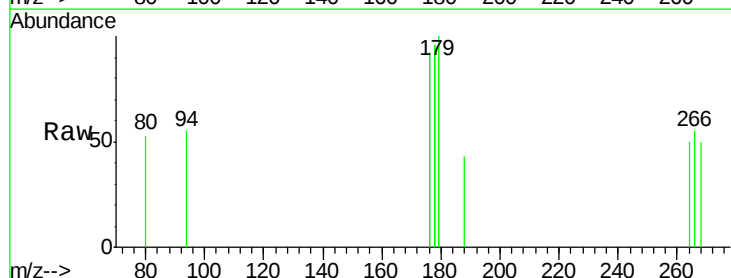
Tgt Ion:266 Resp: 71

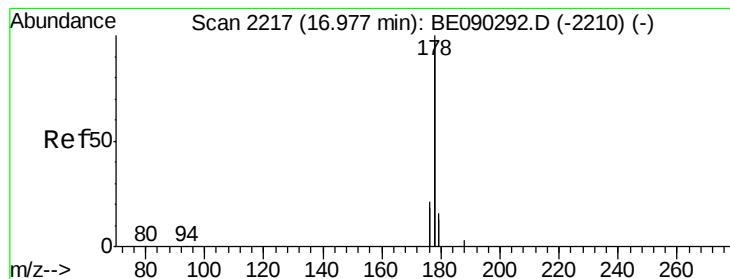
Ion Ratio Lower Upper

266 100

264 53.5 43.4 65.0

268 59.2 44.6 66.8





#12

Phenanthrene

Concen: 0.12 ng/ul

RT: 16.98 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BE090297.D

Acq: 30 Jul 2015 14:37

Instrument :

BNA_E

ClientSampleId :

MDL-05-W

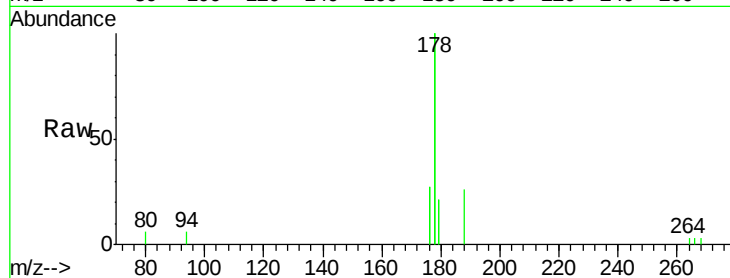
Tot Ion:178 Resp: 5608

Ion Ratio Lower Upper

178 100

176 26.6 17.3 25.9#

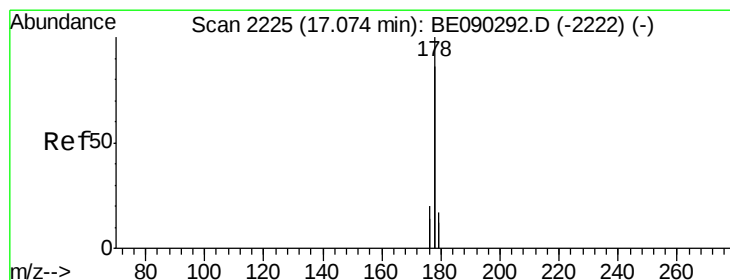
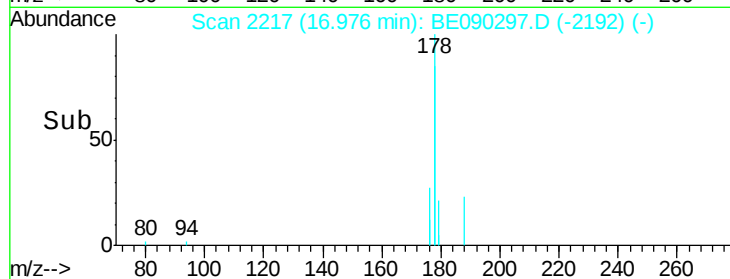
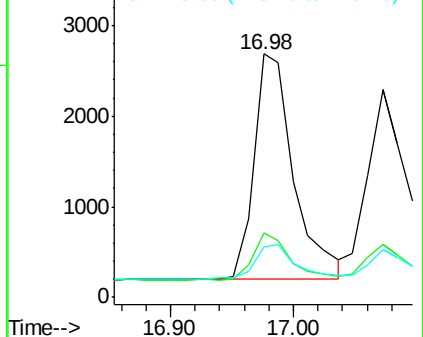
179 20.9 13.1 19.7#



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: 0.12 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE090297.D

Acq: 30 Jul 2015 14:37

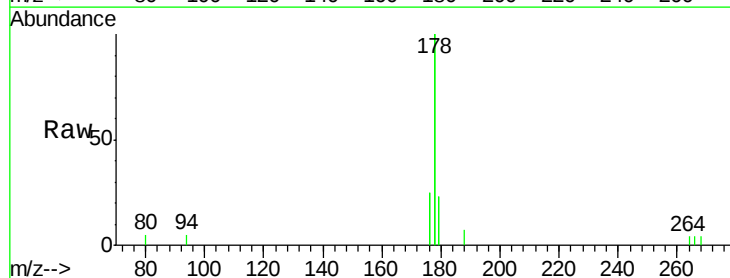
Tgt Ion:178 Resp: 5780

Ion Ratio Lower Upper

178 100

176 25.5 16.4 24.6#

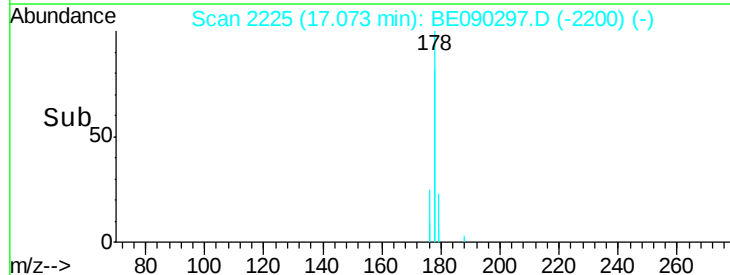
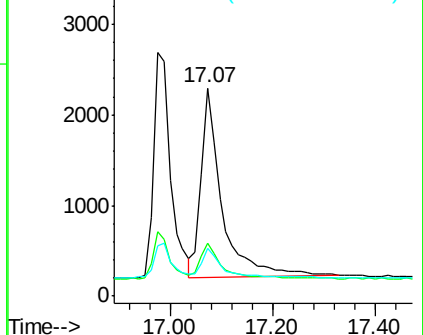
179 23.1 13.9 20.9#

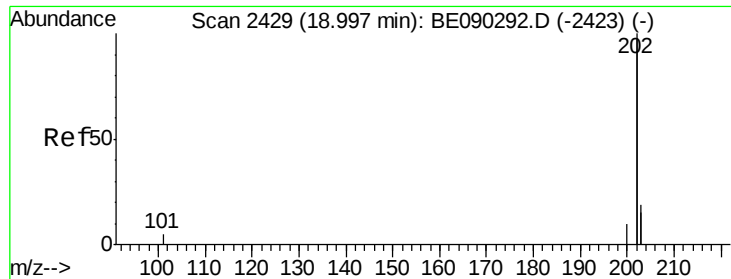


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.13 ng/ul

RT: 19.00 min Scan# 2429

Delta R.T. -0.00 min

Lab File: BE090297.D

Acq: 30 Jul 2015 14:37

Instrument :

BNA_E

ClientSampleId :

MDL-05-W

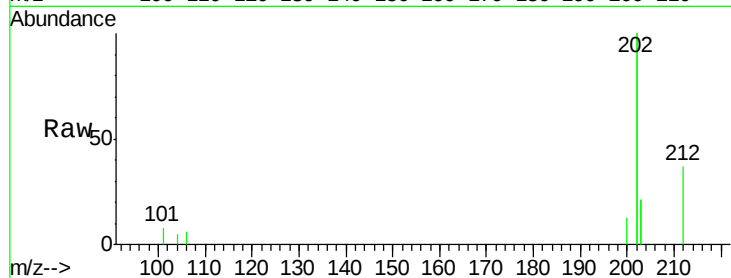
Tot Ion:202 Resp: 7061

Ion Ratio Lower Upper

202 100

101 4.1 0.0 22.9

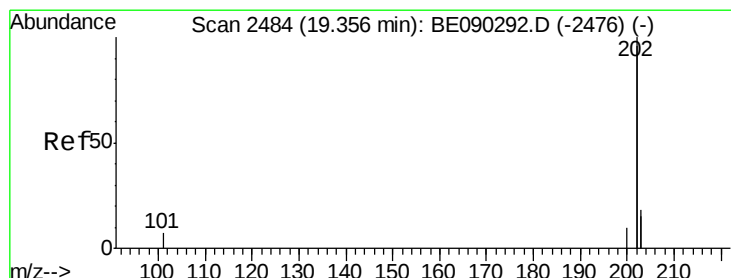
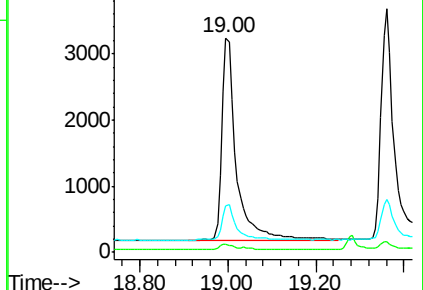
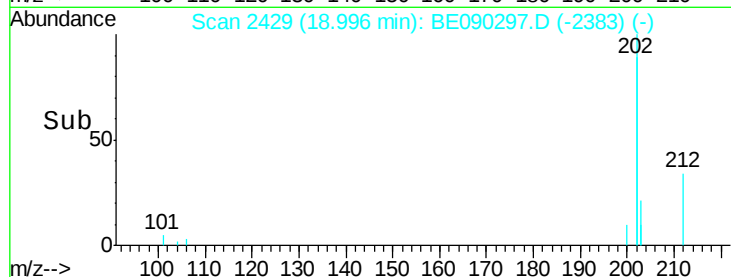
203 21.5 0.0 39.0



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: 0.15 ng/ul

RT: 19.36 min Scan# 2485

Delta R.T. 0.01 min

Lab File: BE090297.D

Acq: 30 Jul 2015 14:37

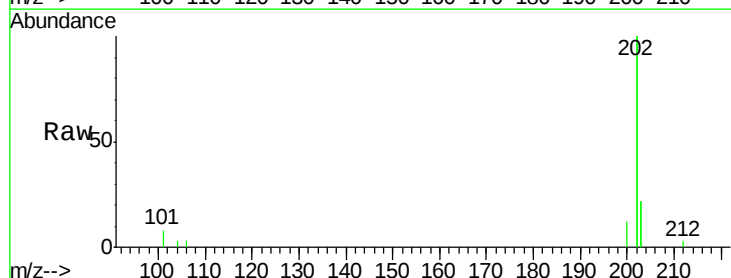
Tgt Ion:202 Resp: 7429

Ion Ratio Lower Upper

202 100

200 6.0 4.5 6.7

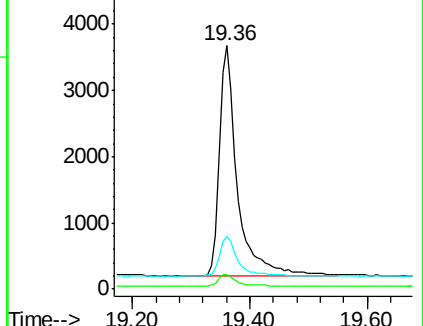
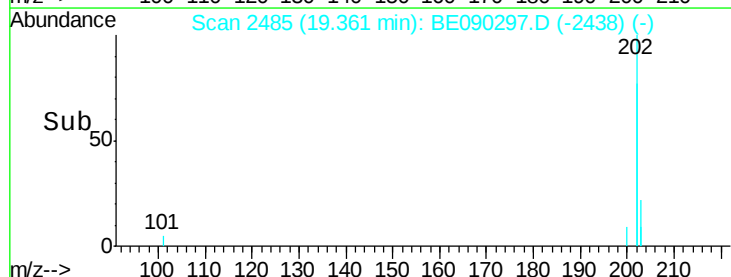
203 21.6 14.4 21.6

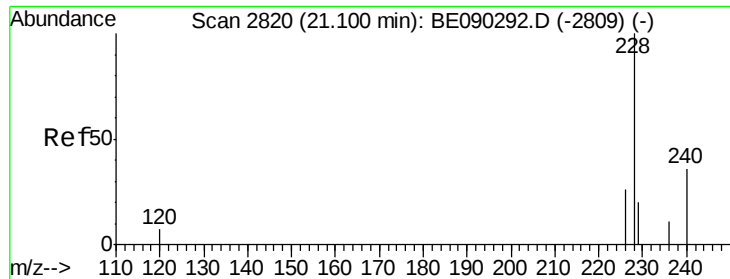


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.12 ng/ul

RT: 21.10 min Scan# 2821

Delta R.T. 0.00 min

Lab File: BE090297.D

Acq: 30 Jul 2015 14:37

Instrument :

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ClientSampleId :

MDL-05-W

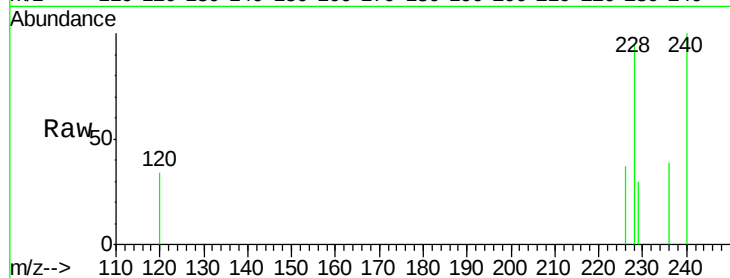
Tot Ion:228 Resp: 461

Ion Ratio Lower Upper

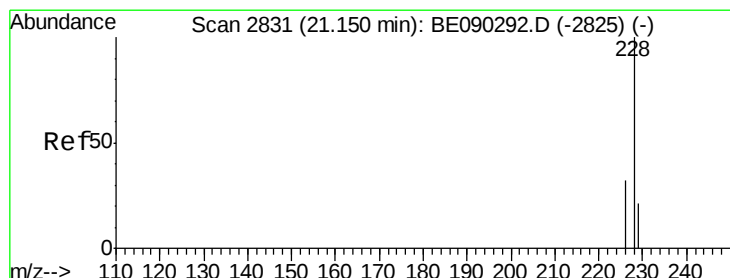
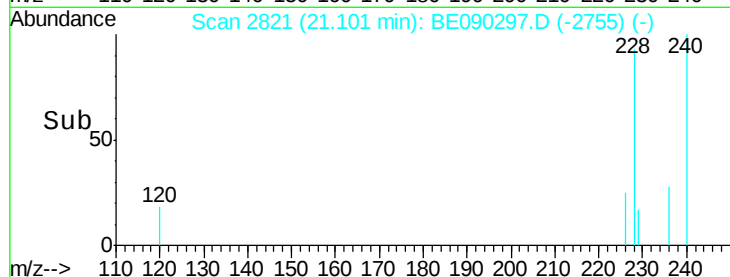
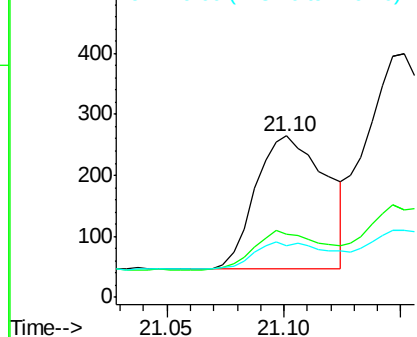
228 100

226 39.2 24.6 36.8#

229 31.7 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: 0.13 ng/ul

RT: 21.15 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BE090297.D

Acq: 30 Jul 2015 14:37

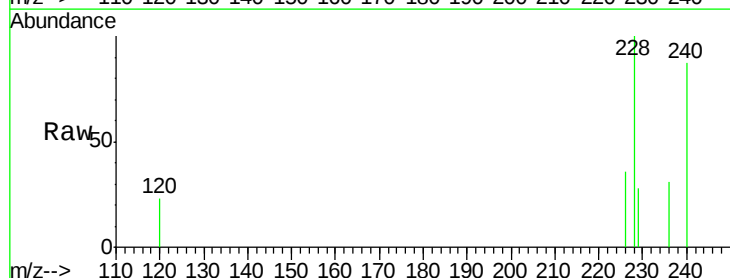
Tgt Ion:228 Resp: 1467

Ion Ratio Lower Upper

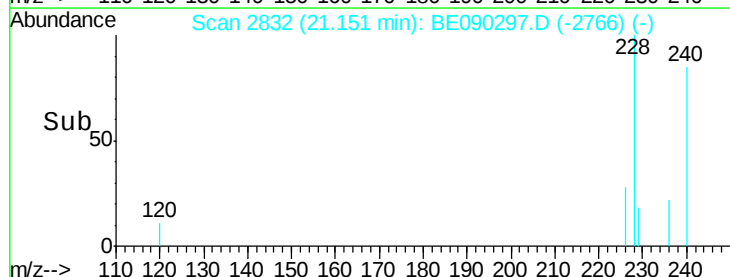
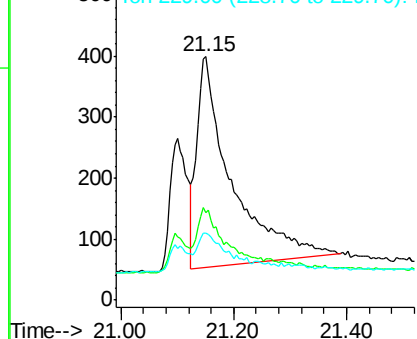
228 100

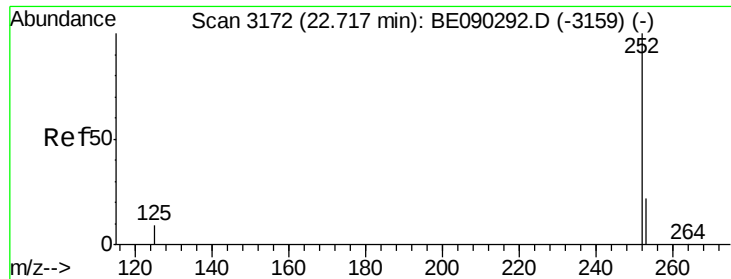
226 36.1 25.0 37.4

229 27.6 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: 0.12 ng/ul

RT: 22.72 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BE090297.D

Acq: 30 Jul 2015 14:37

Instrument :

BNA_E

ClientSampleId :

MDL-05-W

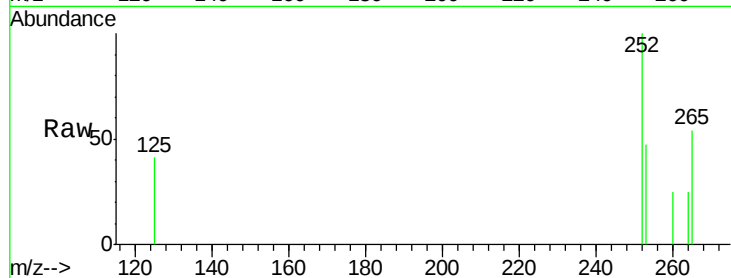
Tot Ion:252 Resp: 260

Ion Ratio Lower Upper

252 100

253 47.5 0.0 57.2

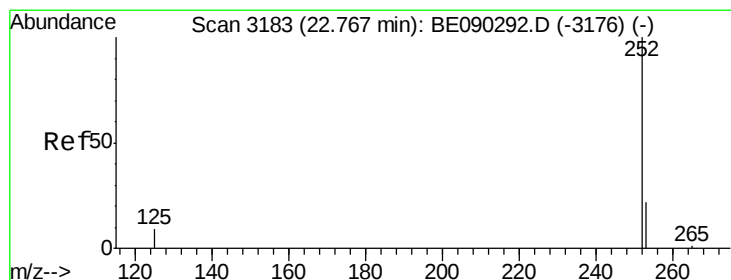
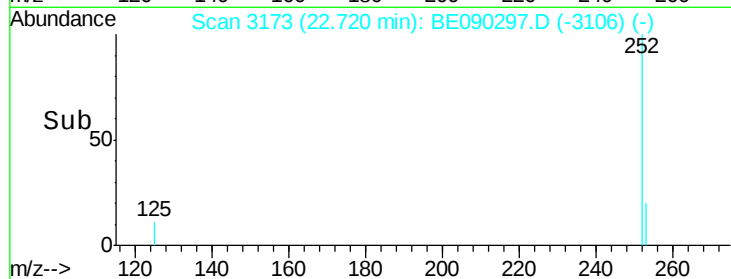
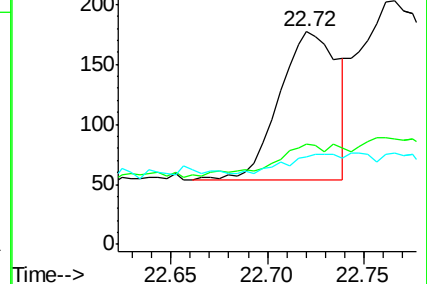
125 41.2 0.0 34.6#



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: 0.05 ng/ul

RT: 22.77 min Scan# 3183

Delta R.T. -0.00 min

Lab File: BE090297.D

Acq: 30 Jul 2015 14:37

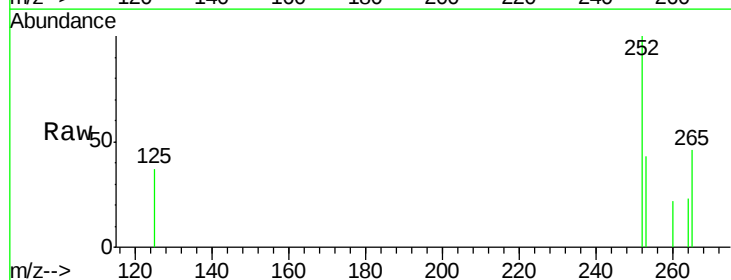
Tgt Ion:252 Resp: 374

Ion Ratio Lower Upper

252 100

253 43.3 21.3 31.9#

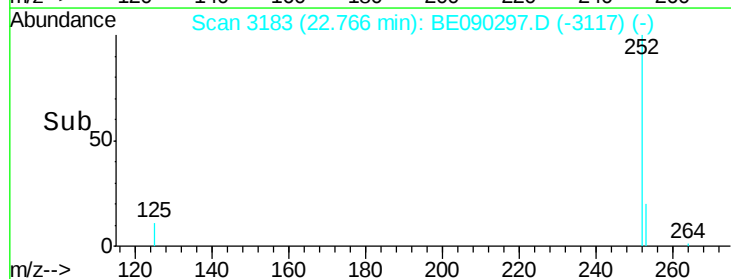
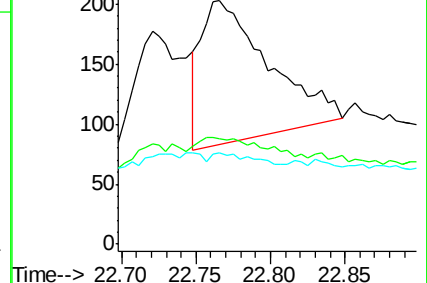
125 37.4 13.3 19.9#

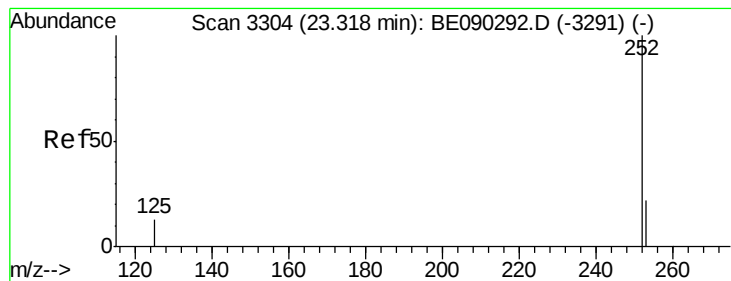


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.09 ng/ul

RT: 23.33 min Scan# 3306

Delta R.T. 0.01 min

Lab File: BE090297.D

Acq: 30 Jul 2015 14:37

Instrument :

BNA_E

ClientSampleId :

MDL-05-W

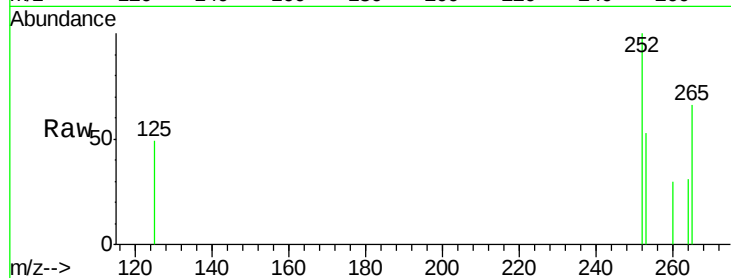
Tot Ion:252 Resp: 267

Ion Ratio Lower Upper

252 100

253 53.3 24.9 37.3#

125 49.3 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

23.33

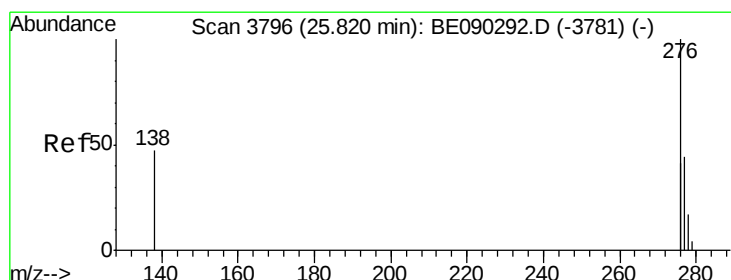
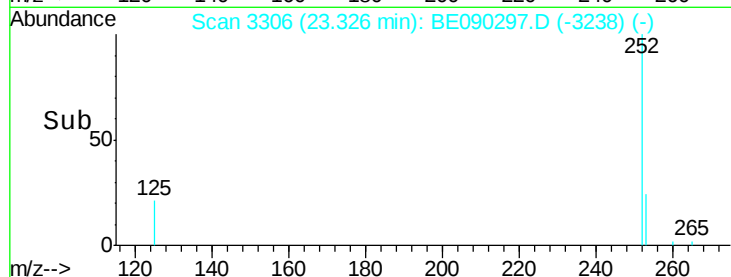
150

100

50

0

Time-->



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.07 ng/ul

RT: 25.81 min Scan# 3795

Delta R.T. -0.01 min

Lab File: BE090297.D

Acq: 30 Jul 2015 14:37

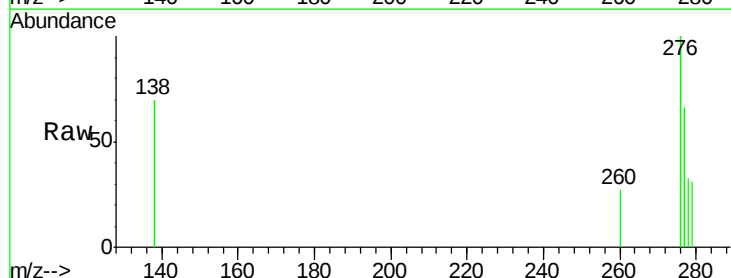
Tgt Ion:276 Resp: 692

Ion Ratio Lower Upper

276 100

138 16.3 13.5 20.3

277 28.0 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

25.81

400

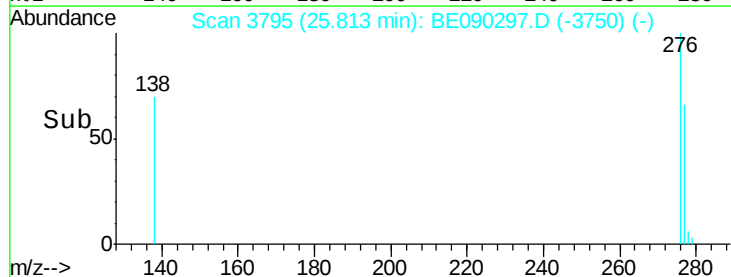
300

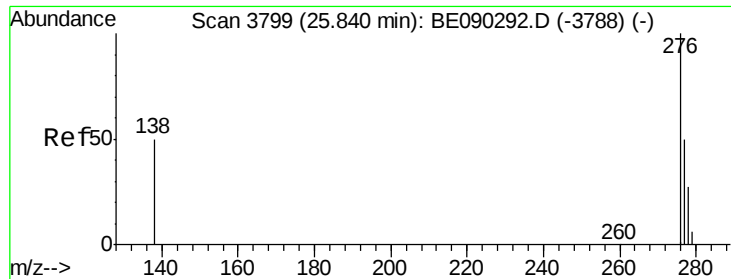
200

100

0

Time-->

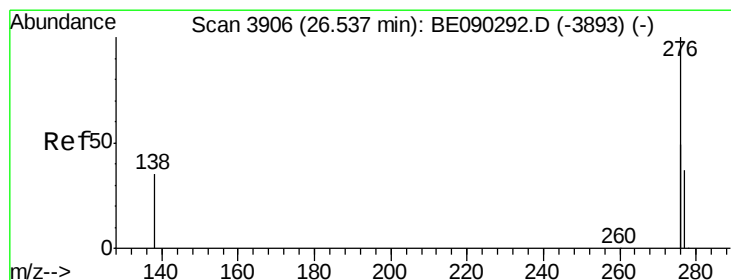
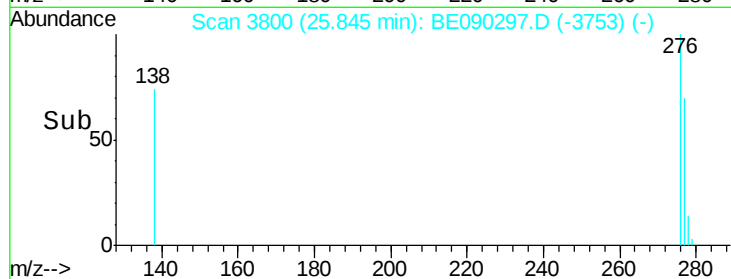
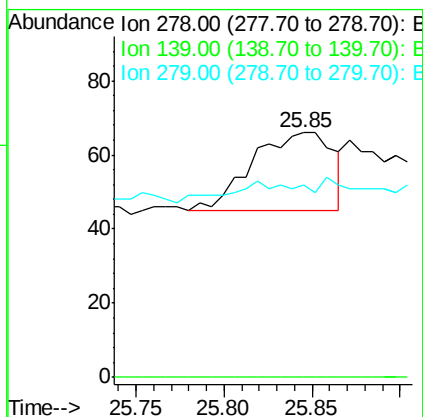
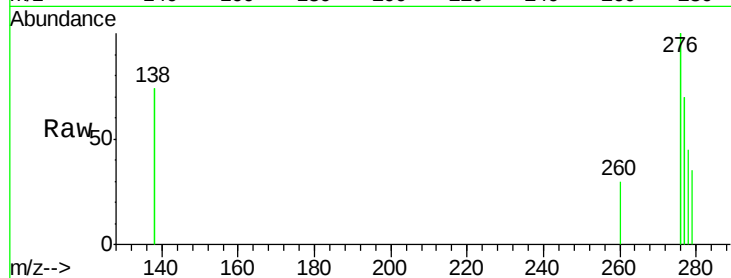




#25
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 25.85 min Scan# 3800
Delta R.T. 0.01 min
Lab File: BE090297.D
Acq: 30 Jul 2015 14:37

Instrument :
BNA_E
ClientSampleId :
MDL-05-W

Tot Ion:278 Resp: 67
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 78.8 37.4 56.0#



#26
Benzo(g,h,i)perylene
Concen: 0.09 ng/ul
RT: 26.56 min Scan# 3909
Delta R.T. 0.02 min
Lab File: BE090297.D
Acq: 30 Jul 2015 14:37

Tgt Ion:276 Resp: 1234
Ion Ratio Lower Upper
276 100
277 55.8 25.5 38.3#
138 55.3 23.9 35.9#

