

Data Path : Z:\HPCHEM1\BNA E\DATA\BE073015\
 Data File : BE090298.D
 Acq On : 30 Jul 2015 15:13
 Operator : TP/IZ
 Sample : MDL-06-W
 Misc : MDL-SIM2.2-WATER-0.15PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-06-W

Quant Time: Jul 31 06:12:51 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	1052	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	4341	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.21	164	2470	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5484	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	3027	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	1923	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.95	152	2758	0.41	ng/ul	0.01
14) Fluoranthene-d10	18.97	212	6090	0.40	ng/ul	0.00

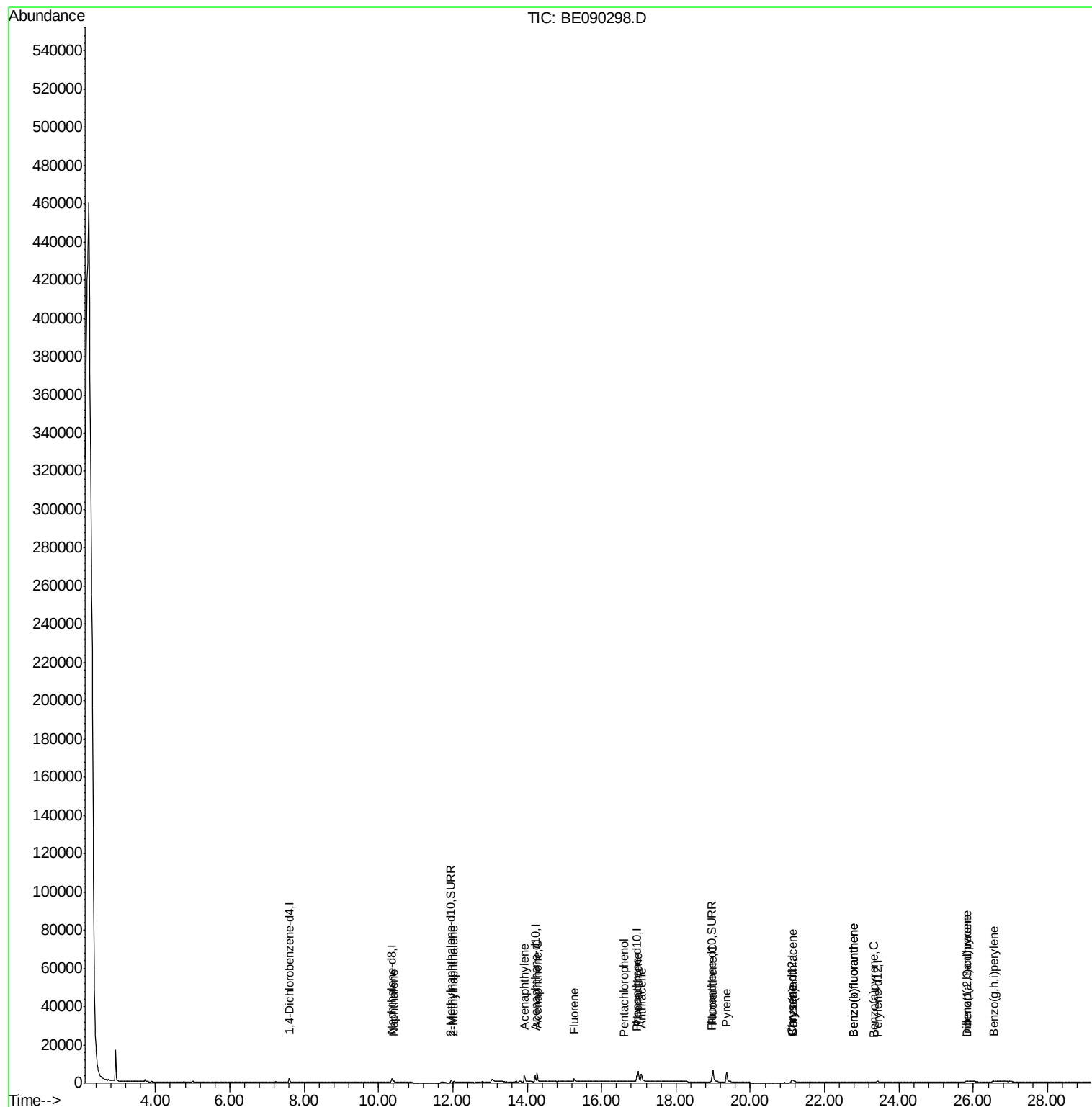
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.41	128	1611	0.14	ng/ul#	91
5) 2-Methylnaphthalene	12.03	142	989	0.13	ng/ul	94
7) Acenaphthylene	13.92	152	6981	0.14	ng/ul	95
8) Acenaphthene	14.27	153	4889	0.13	ng/ul	97
9) Fluorene	15.26	166	1317	0.13	ng/ul#	93
11) Pentachlorophenol	16.61	266	49	0.14	ng/ul	91
12) Phenanthrene	16.98	178	7853	0.13	ng/ul	93
13) Anthracene	17.07	178	8016	0.13	ng/ul#	92
15) Fluoranthene	19.00	202	9530	0.14	ng/ul	95
17) Pyrene	19.36	202	9585	0.17	ng/ul	94
18) Benzo(a)anthracene	21.15	228	1705	0.38	ng/ul	93
19) Chrysene	21.15	228	1705	0.13	ng/ul#	92
21) Benzo(b)fluoranthene	22.76	252	439	0.15	ng/ul	74
22) Benzo(k)fluoranthene	22.76	252	439	0.05	ng/ul#	71
23) Benzo(a)pyrene	23.32	252	391	0.10	ng/ul#	67
24) Indeno(1,2,3-cd)pyrene	25.81	276	1051	0.09	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.83	278	155	0.11	ng/ul#	63
26) Benzo(g,h,i)perylene	26.54	276	1836	0.11	ng/ul#	62

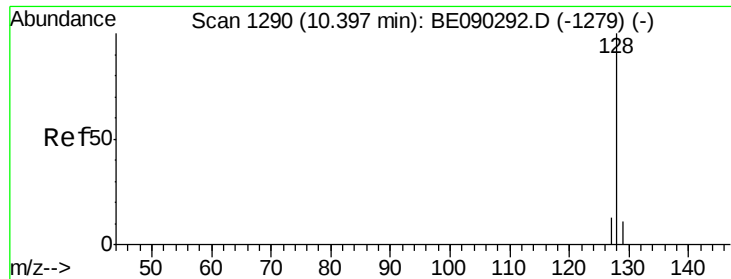
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 31 06:12:51 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
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#3

Naphthalene

Concen: 0.14 ng/ul

RT: 10.41 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

Instrument :

BNA_E

ClientSampleId :

MDL-06-W

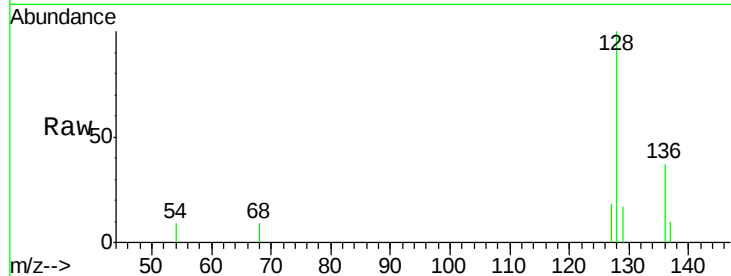
Tot Ion:128 Resp: 1611

Ion Ratio Lower Upper

128 100

129 17.3 10.4 15.6#

127 18.4 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

10.41

800

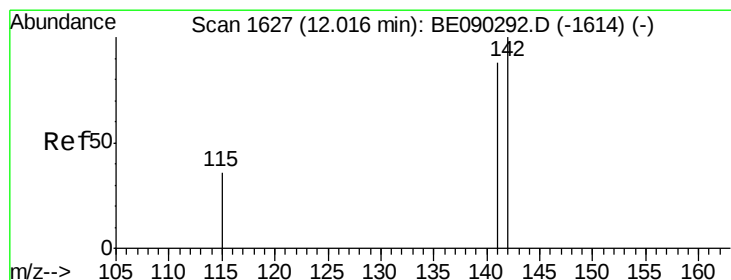
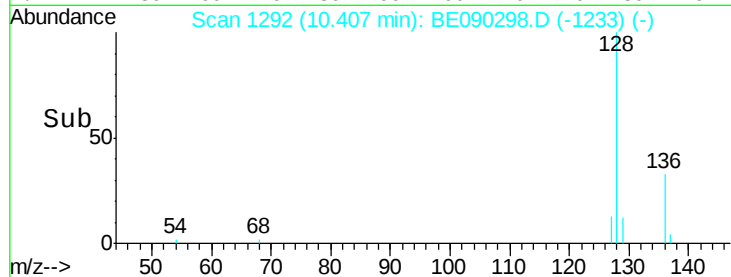
600

400

200

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.13 ng/ul

RT: 12.03 min Scan# 1629

Delta R.T. 0.01 min

Lab File: BE090298.D

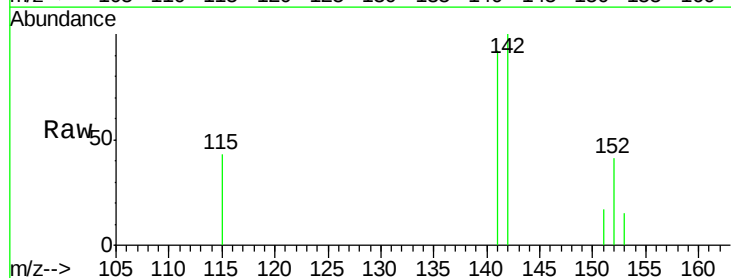
Acq: 30 Jul 2015 15:13

Tgt Ion:142 Resp: 989

Ion Ratio Lower Upper

142 100

141 85.1 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.03

400

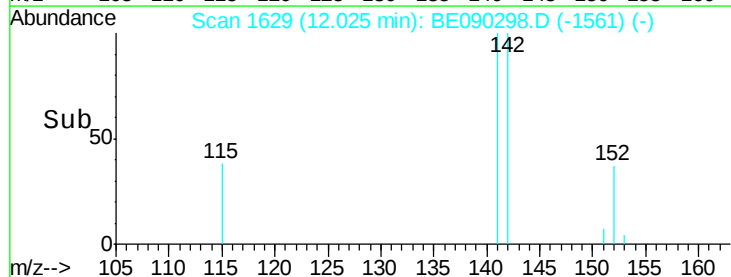
300

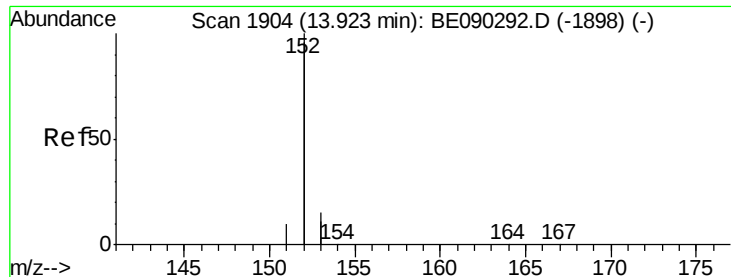
200

100

0

Time-->





#7

Acenaphthylene

Concen: 0.14 ng/ul

RT: 13.92 min Scan# 1904

Delta R.T. 0.00 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

Instrument :

BNA_E

ClientSampleId :

MDL-06-W

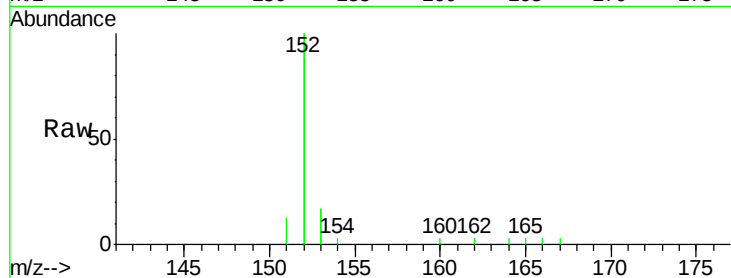
Tot Ion:152 Resp: 6981

Ion Ratio Lower Upper

152 100

151 6.3 4.3 6.5

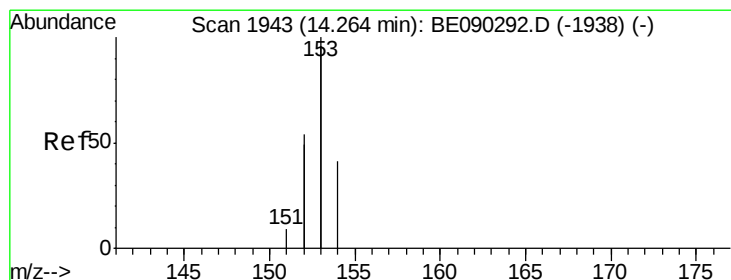
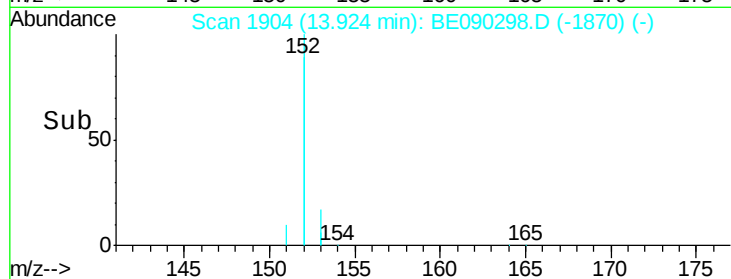
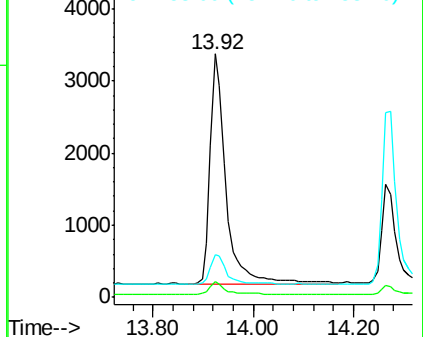
153 17.3 11.9 17.9



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: 0.13 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.01 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

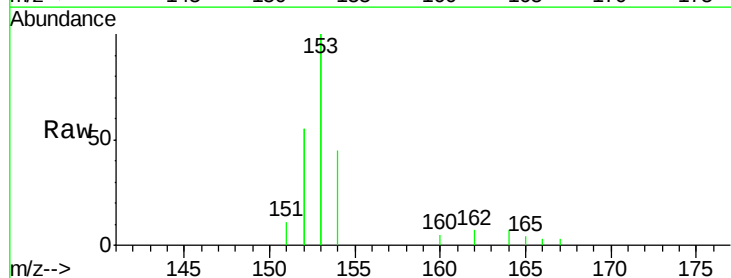
Tgt Ion:153 Resp: 4889

Ion Ratio Lower Upper

153 100

152 55.3 45.7 68.5

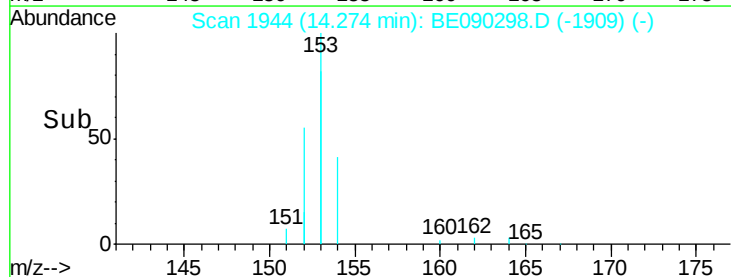
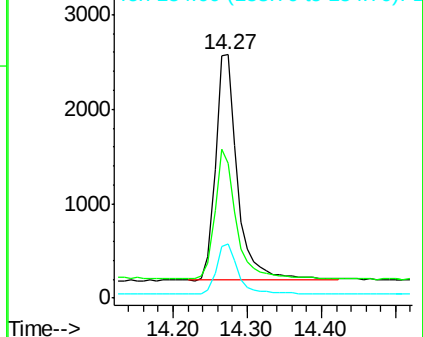
154 22.4 16.4 24.6

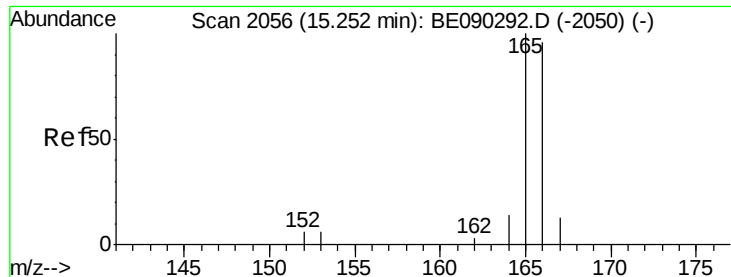


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.13 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

Instrument :

BNA_E

ClientSampleId :

MDL-06-W

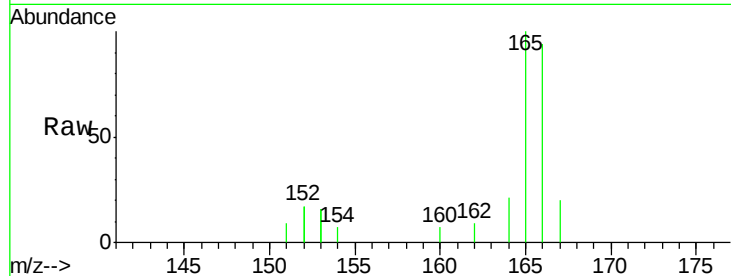
Tot Ion:166 Resp: 1317

Ion Ratio Lower Upper

166 100

165 106.4 80.3 120.5

167 20.9 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

15.26

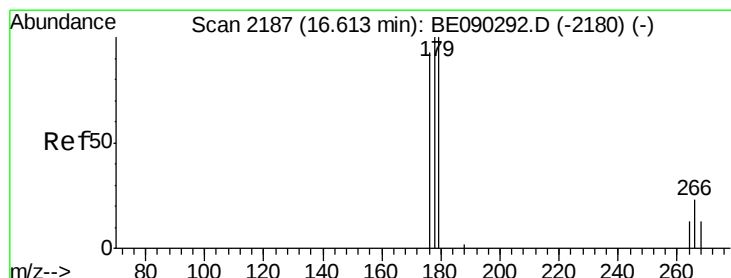
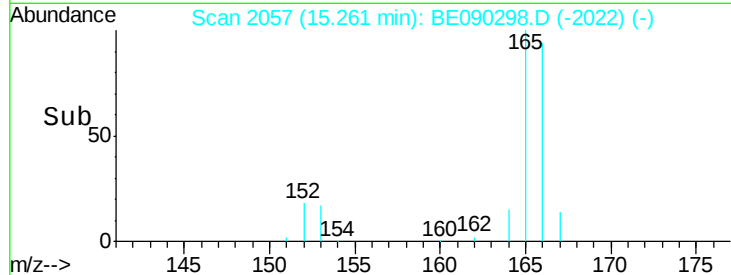
600

400

200

0

Time-->



#11

Pentachlorophenol

Concen: 0.14 ng/ul

RT: 16.61 min Scan# 2187

Delta R.T. 0.00 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

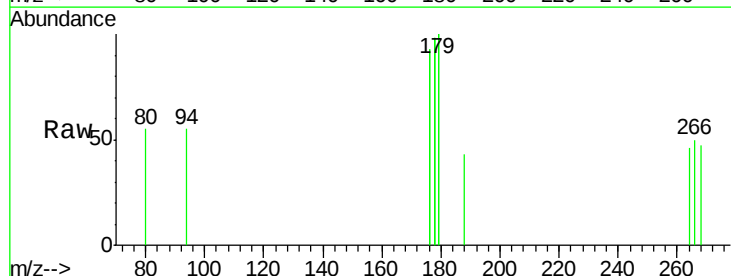
Tgt Ion:266 Resp: 49

Ion Ratio Lower Upper

266 100

264 51.0 43.4 65.0

268 65.3 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

16.61

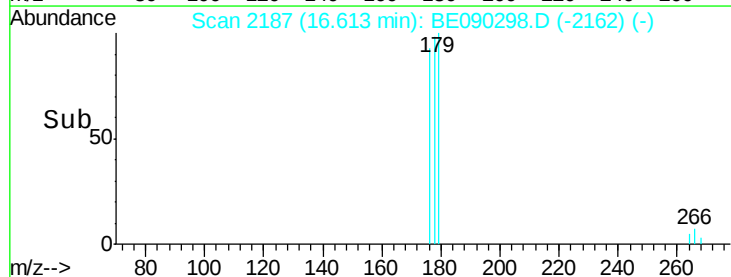
60

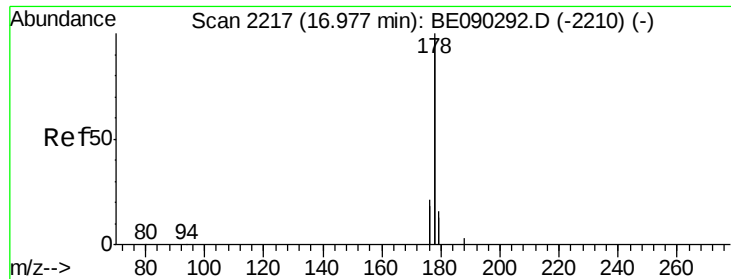
40

20

0

Time-->





#12

Phenanthrene

Concen: 0.13 ng/ul

RT: 16.98 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

Instrument :

BNA_E

ClientSampleId :

MDL-06-W

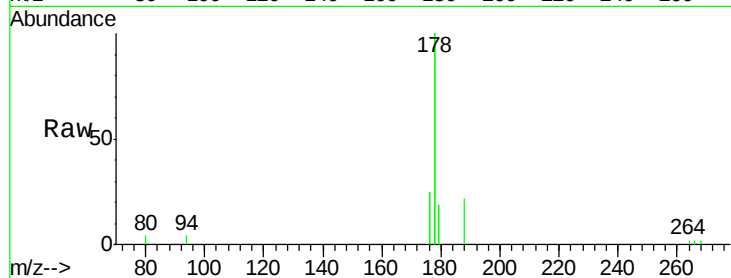
Tot Ion:178 Resp: 7853

Ion Ratio Lower Upper

178 100

176 24.9 17.3 25.9

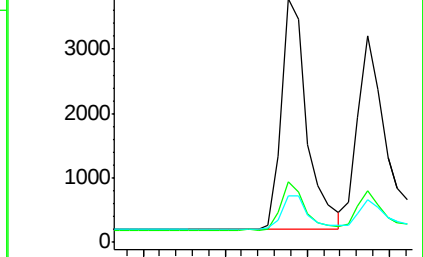
179 19.2 13.1 19.7



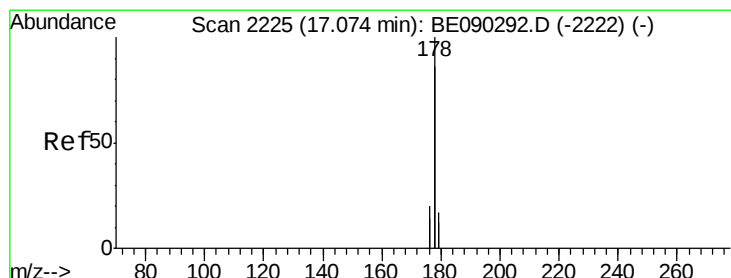
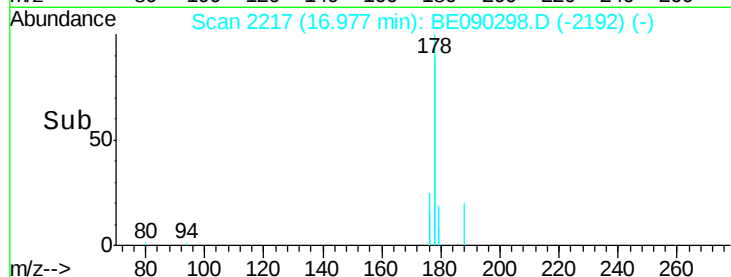
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#13

Anthracene

Concen: 0.13 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

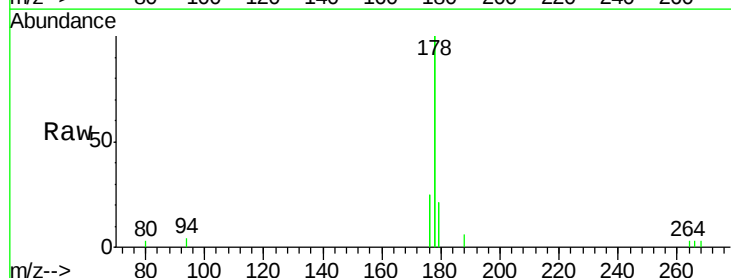
Tgt Ion:178 Resp: 8016

Ion Ratio Lower Upper

178 100

176 24.8 16.4 24.6#

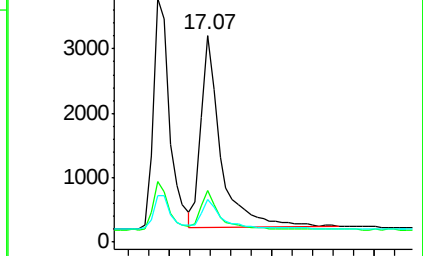
179 20.6 13.9 20.9



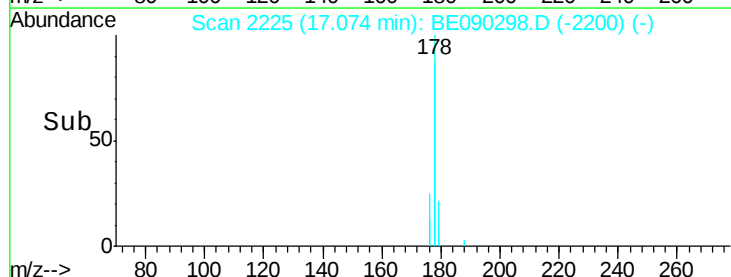
Abundance Ion 178.00 (177.70 to 178.70): E

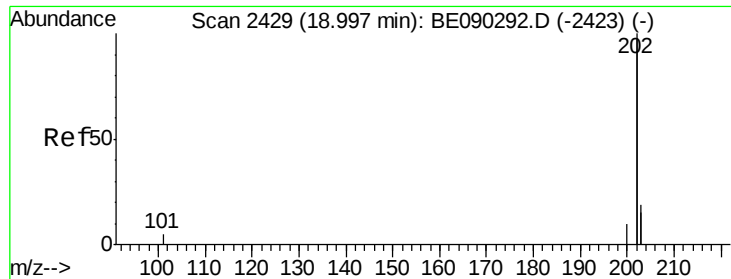
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#15

Fluoranthene

Concen: 0.14 ng/ul

RT: 19.00 min Scan# 2429

Delta R.T. -0.00 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

Instrument :

BNA_E

ClientSampleId :

MDL-06-W

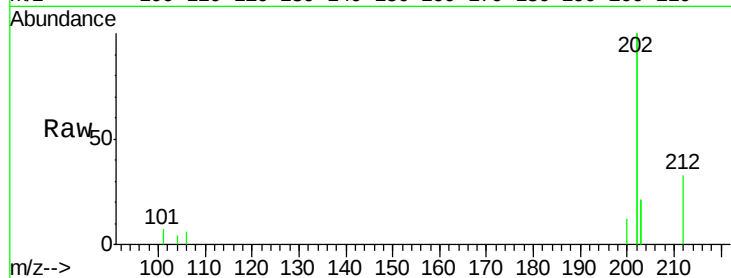
Tot Ion:202 Resp: 9530

Ion Ratio Lower Upper

202 100

101 3.7 0.0 22.9

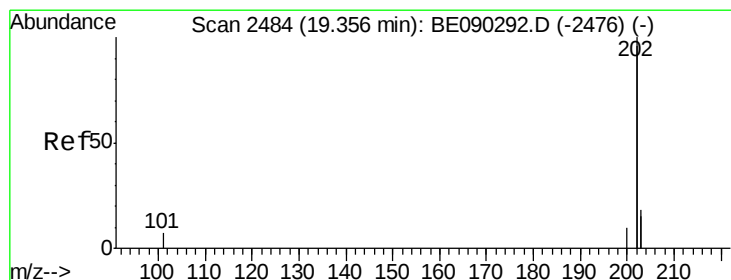
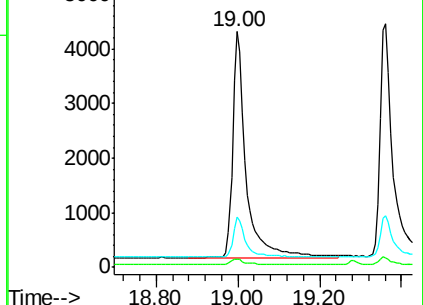
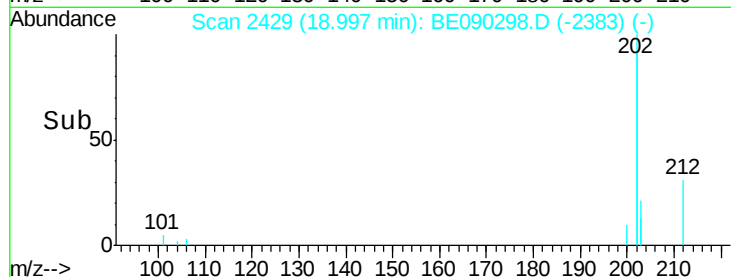
203 21.4 0.0 39.0



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: 0.17 ng/ul

RT: 19.36 min Scan# 2485

Delta R.T. 0.01 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

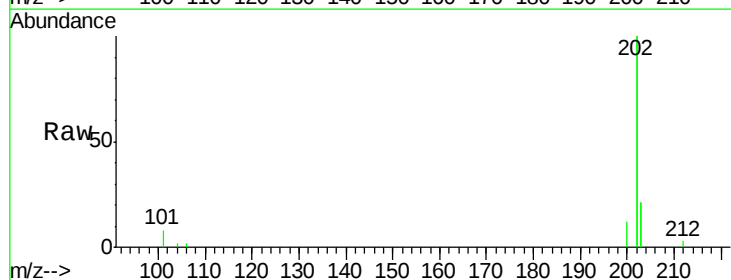
Tgt Ion:202 Resp: 9585

Ion Ratio Lower Upper

202 100

200 5.9 4.5 6.7

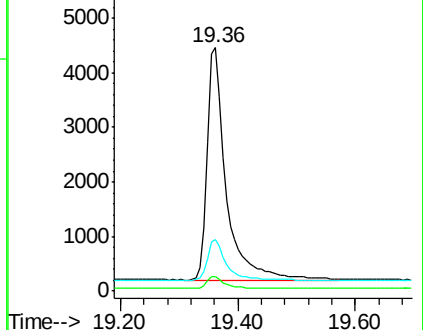
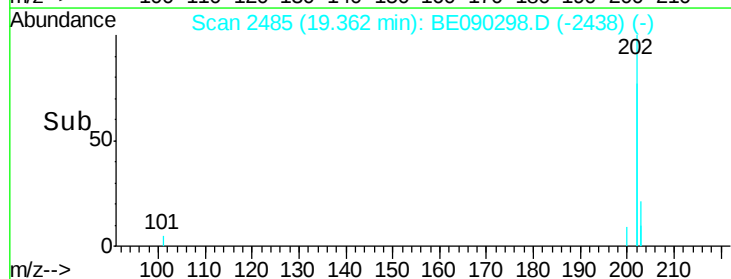
203 21.3 14.4 21.6

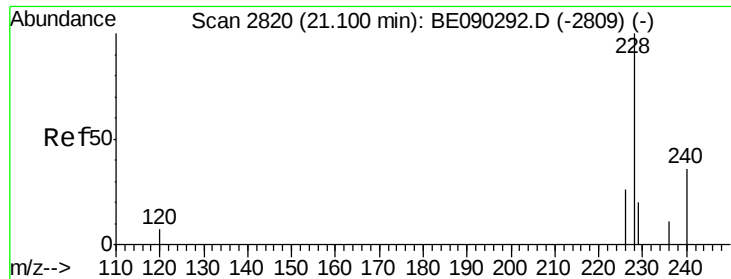


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.38 ng/ul

RT: 21.15 min Scan# 2831

Delta R.T. 0.05 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

Instrument :

BNA_E

ClientSampleId :

MDL-06-W

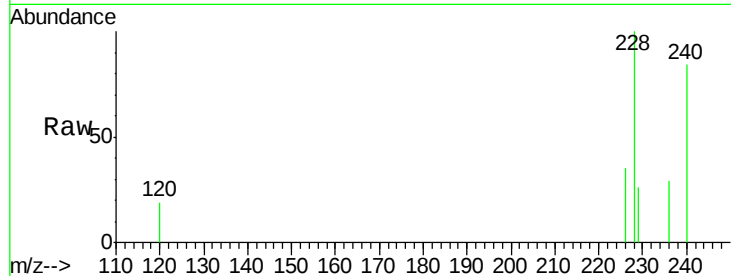
Tot Ion:228 Resp: 1705

Ion Ratio Lower Upper

228 100

226 34.9 24.6 36.8

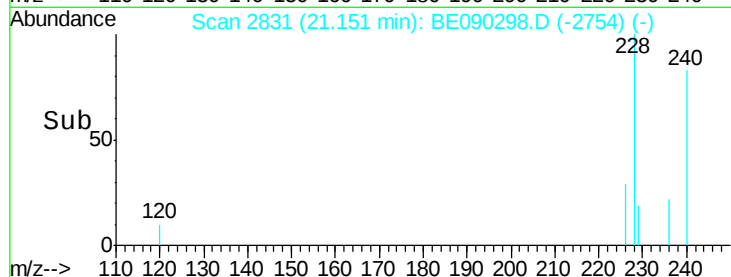
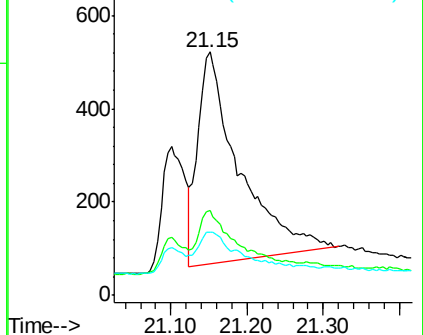
229 25.7 17.9 26.9



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# 2831

Delta R.T. 0.00 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

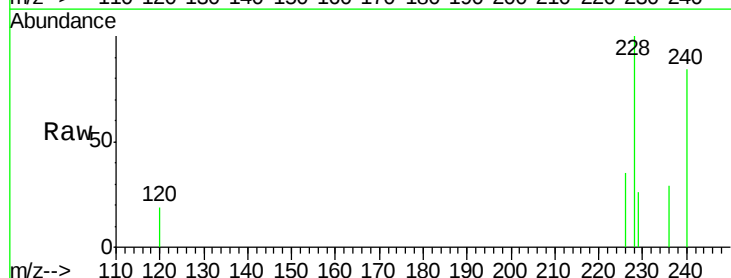
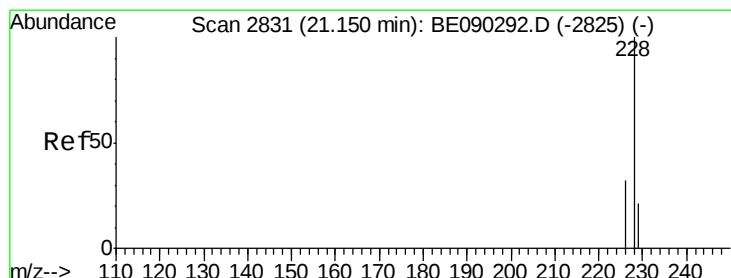
Tgt Ion:228 Resp: 1705

Ion Ratio Lower Upper

228 100

226 34.9 25.0 37.4

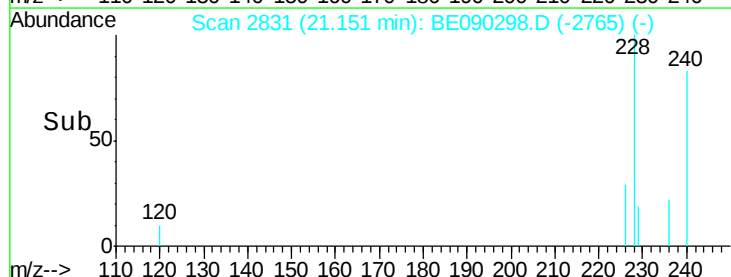
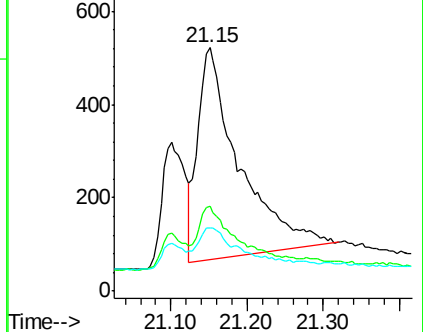
229 25.7 16.6 24.8#

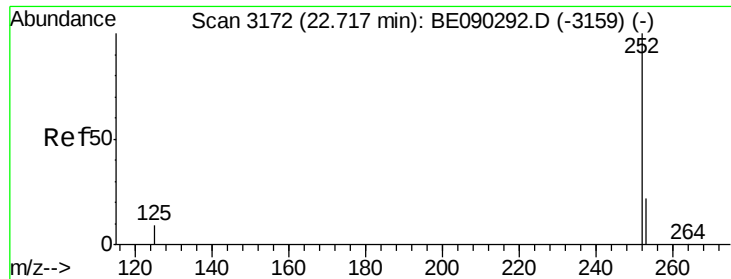


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.15 ng/ul

RT: 22.76 min Scan# 3182

Delta R.T. 0.05 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

Instrument :

BNA_E

ClientSampleId :

MDL-06-W

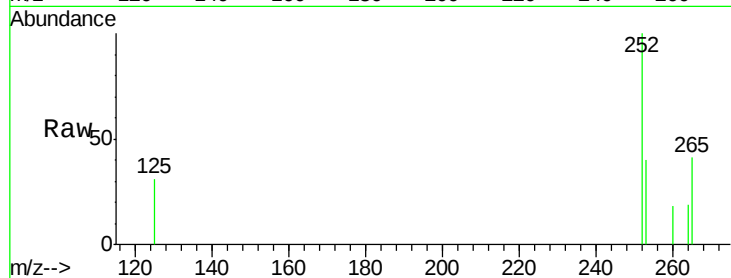
Tot Ion:252 Resp: 439

Ion Ratio Lower Upper

252 100

253 40.3 0.0 57.2

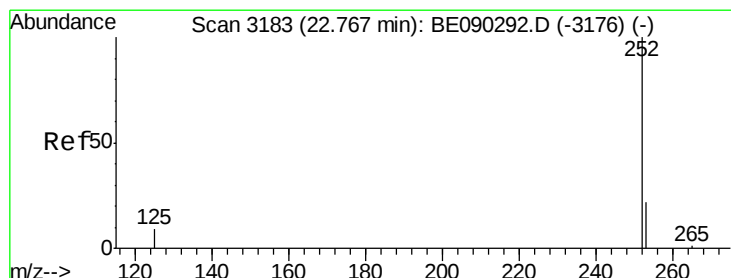
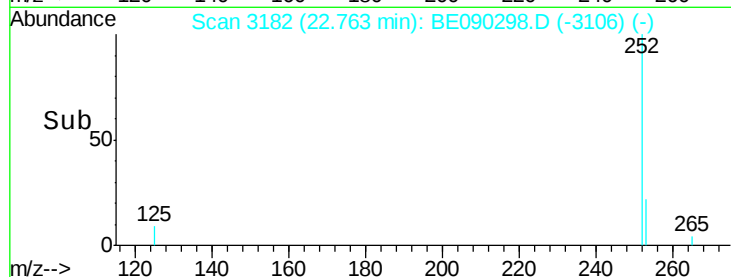
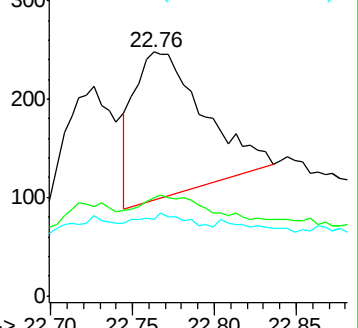
125 31.0 0.0 34.6



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: 22.76 min Scan# 3182

Delta R.T. -0.00 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

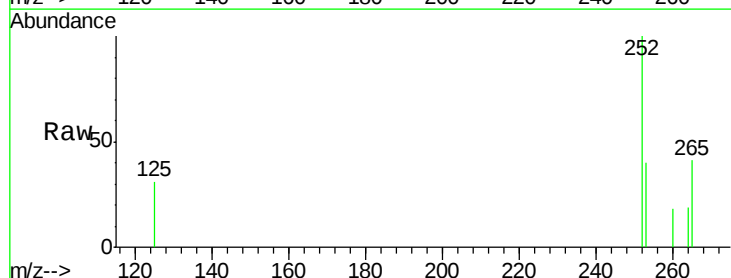
Tgt Ion:252 Resp: 439

Ion Ratio Lower Upper

252 100

253 40.3 21.3 31.9#

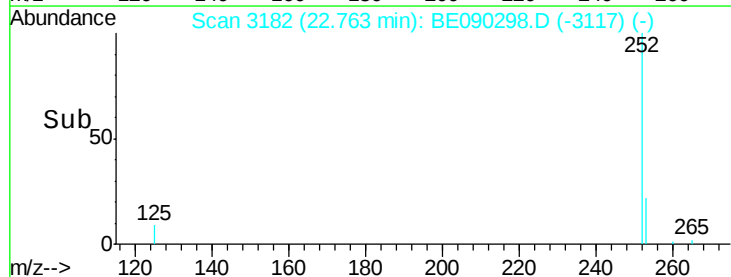
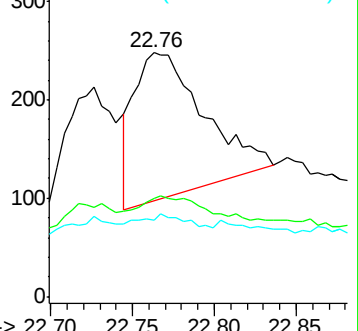
125 31.0 13.3 19.9#

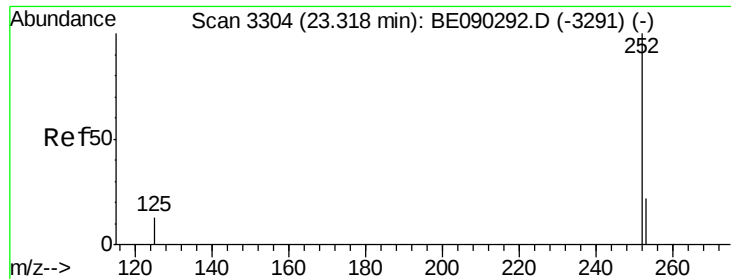


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.10 ng/ul

RT: 23.32 min Scan# 3305

Delta R.T. 0.00 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

Instrument :

BNA_E

ClientSampleId :

MDL-06-W

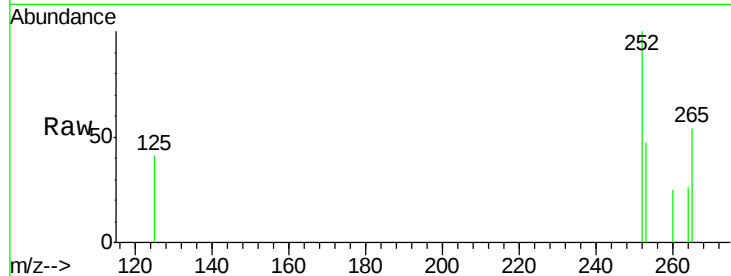
Tot Ion: 252 Resp: 391

Ion Ratio Lower Upper

252 100

253 46.7 24.9 37.3#

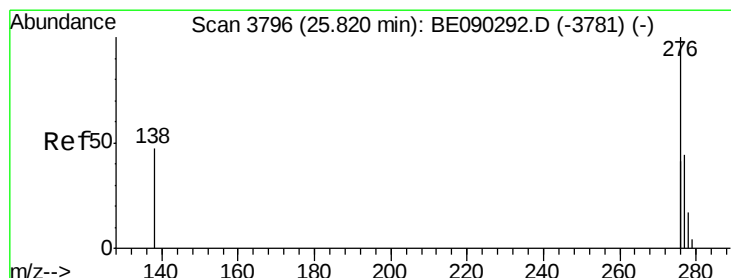
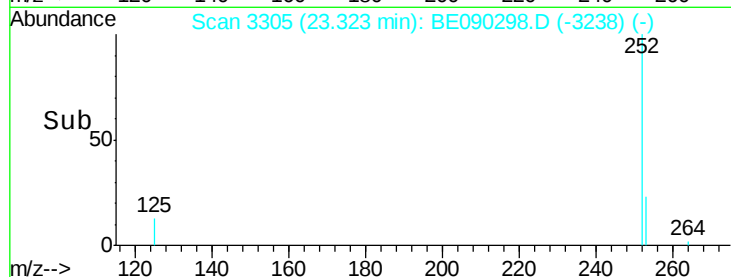
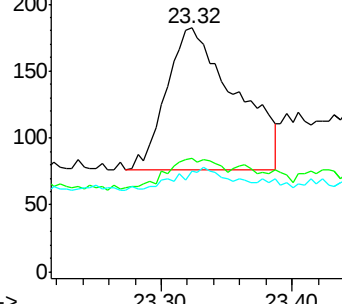
125 41.2 17.5 26.3#



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: 0.09 ng/ul

RT: 25.81 min Scan# 3795

Delta R.T. -0.01 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

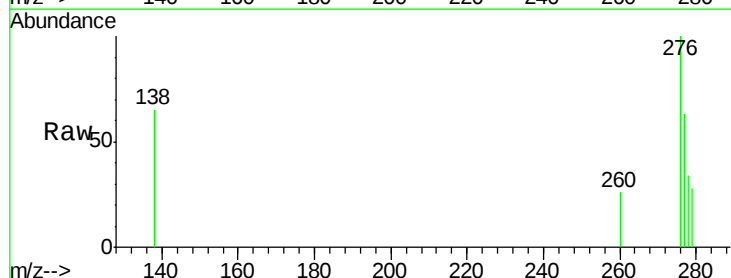
Tgt Ion: 276 Resp: 1051

Ion Ratio Lower Upper

276 100

138 11.1 13.5 20.3#

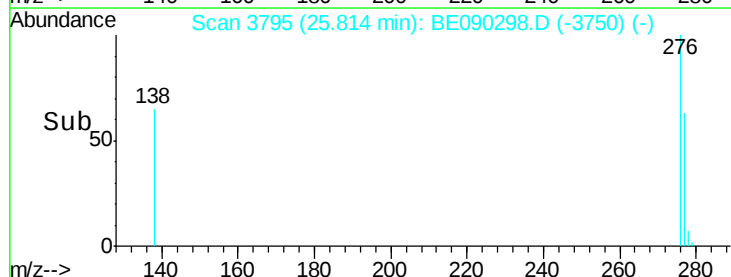
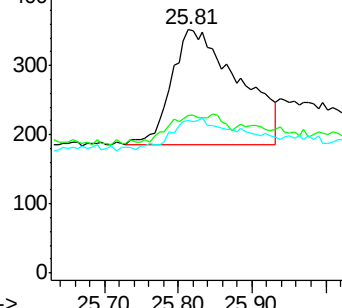
277 21.2 16.4 24.6

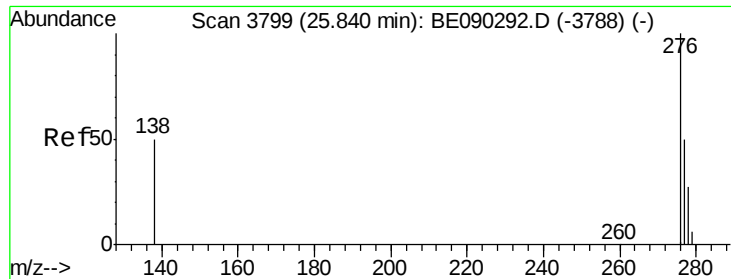


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

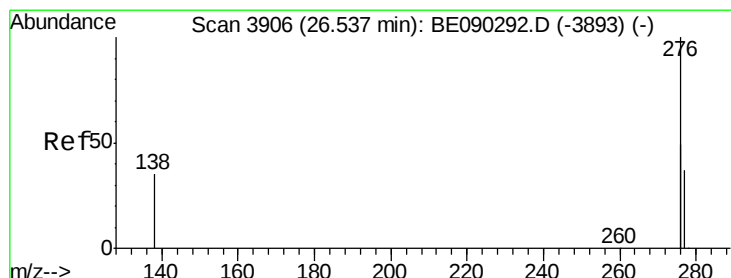
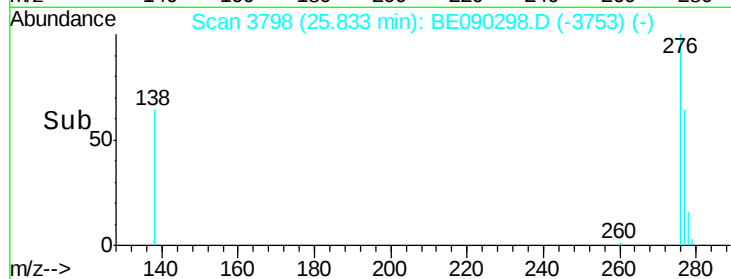
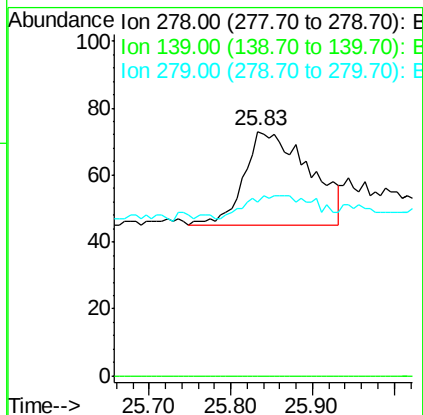
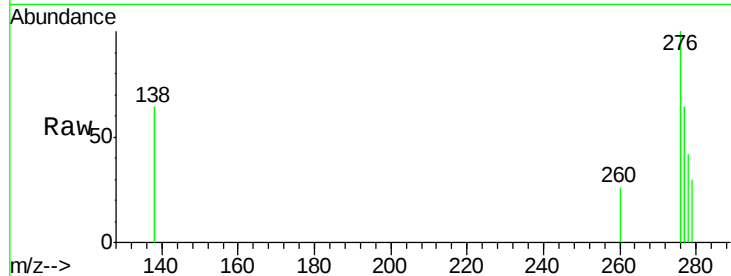




#25
Dibenzo(a,h)anthracene
Concen: 0.11 ng/ul
RT: 25.83 min Scan# 3798
Delta R.T. -0.01 min
Lab File: BE090298.D
Acq: 30 Jul 2015 15:13

Instrument :
BNA_E
ClientSampleId :
MDL-06-W

Tot Ion:278 Resp: 155
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 71.2 37.4 56.0#



#26
Benzo(g,h,i)perylene
Concen: 0.11 ng/ul
RT: 26.54 min Scan# 3907
Delta R.T. 0.01 min
Lab File: BE090298.D
Acq: 30 Jul 2015 15:13

Tgt Ion:276 Resp: 1836
Ion Ratio Lower Upper
276 100
277 51.0 25.5 38.3#
138 52.3 23.9 35.9#

