

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072815\
 Data File : BE090280.D
 Acq On : 28 Jul 2015 21:56
 Operator : TP/IZ
 Sample : MDL-07-S
 Misc : MDL-SIM-SOIL-0.15PPM
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-07-S

Quant Time: Jul 29 04:48:51 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 : Wed Jul 29 04:46:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	695	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	2903	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	1718	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	3718	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	2272	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	1341	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	1816	0.48	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	4120	0.47	ng/ul	0.00

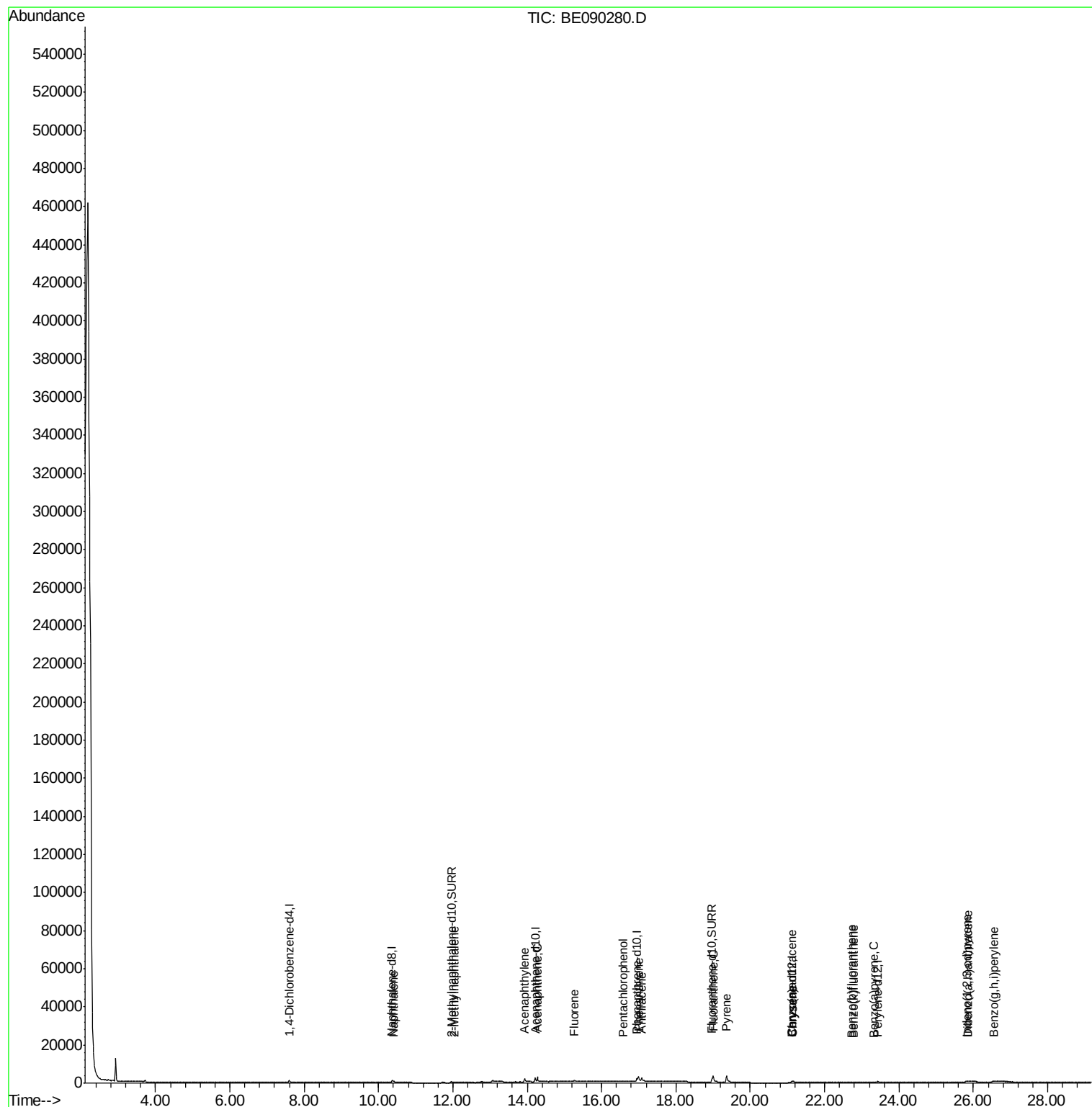
Target Compounds						Qvalue
3) Naphthalene	10.41	128	858	0.13	ng/ul#	78
5) 2-Methylnaphthalene	12.03	142	507	0.12	ng/ul	98
7) Acenaphthylene	13.93	152	4105	0.13	ng/ul#	86
8) Acenaphthene	14.27	153	2987	0.13	ng/ul	99
9) Fluorene	15.26	166	764	0.13	ng/ul#	94
11) Pentachlorophenol	16.58	266	2	0.01	ng/ul#	24
12) Phenanthrene	16.99	178	4348	0.13	ng/ul#	86
13) Anthracene	17.07	178	4811	0.14	ng/ul#	82
15) Fluoranthene	19.00	202	5655	0.14	ng/ul	91
17) Pyrene	19.36	202	5600	0.16	ng/ul#	90
18) Benzo(a)anthracene	21.10	228	336	0.12	ng/ul#	74
19) Chrysene	21.15	228	834	0.10	ng/ul#	82
21) Benzo(b)fluoranthene	22.73	252	245	0.14	ng/ul#	56
22) Benzo(k)fluoranthene	22.77	252	271	0.05	ng/ul#	58
23) Benzo(a)pyrene	23.32	252	288	0.12	ng/ul#	49
24) Indeno(1,2,3-cd)pyrene	25.83	276	872	0.12	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.85	278	74	0.09	ng/ul#	57
26) Benzo(g,h,i)perylene	26.56	276	1338	0.13	ng/ul#	51

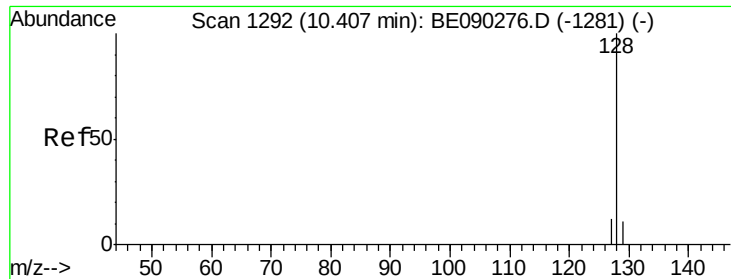
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.13 ng/ul

RT: 10.41 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BE090280.D

Acq: 28 Jul 2015 21:56

Instrument :

BNA_E

ClientSampleId :

MDL-07-S

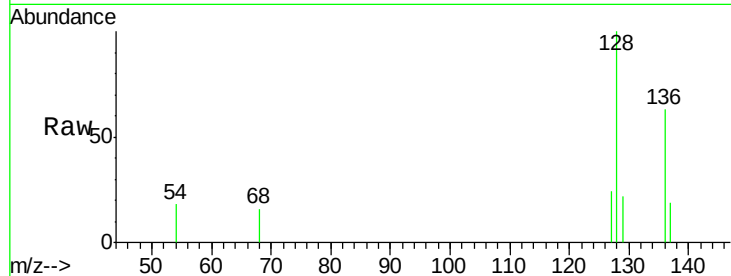
Tgt Ion:128 Resp: 858

Ion Ratio Lower Upper

128 100

129 22.4 10.4 15.6#

127 23.6 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

400

300

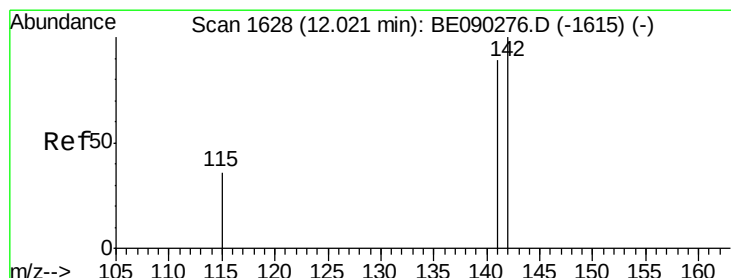
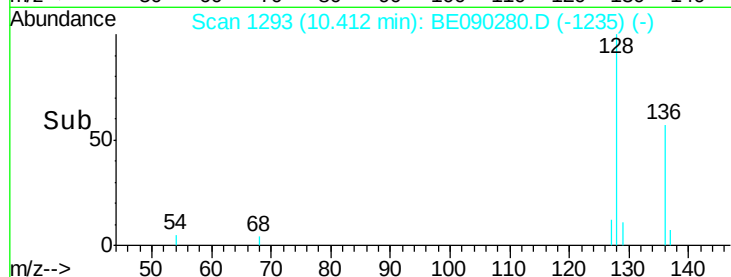
200

100

0

10.30 10.40 10.50

Time-->



#5

2-Methylnaphthalene

Concen: 0.12 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. 0.01 min

Lab File: BE090280.D

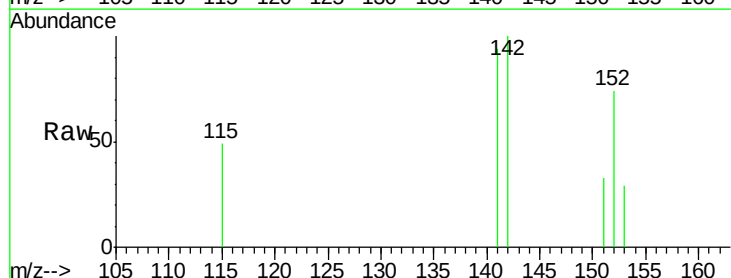
Acq: 28 Jul 2015 21:56

Tgt Ion:142 Resp: 507

Ion Ratio Lower Upper

142 100

141 93.3 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

200

150

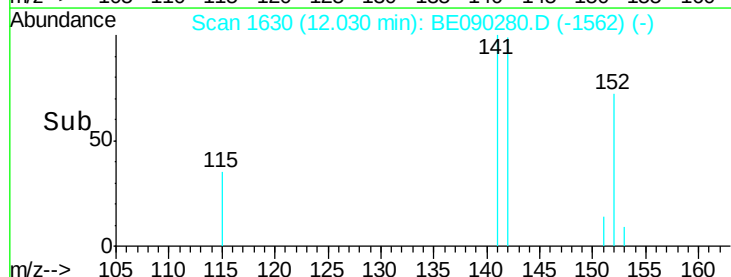
100

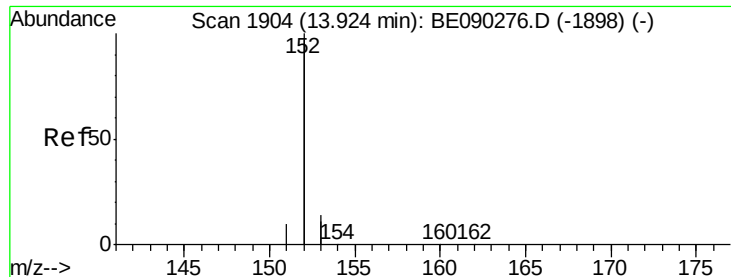
50

0

12.00 12.10

Time-->





#7

Acenaphthylene

Concen: 0.13 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.01 min

Lab File: BE090280.D

Acq: 28 Jul 2015 21:56

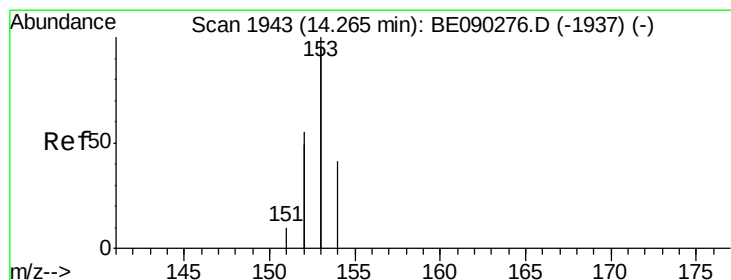
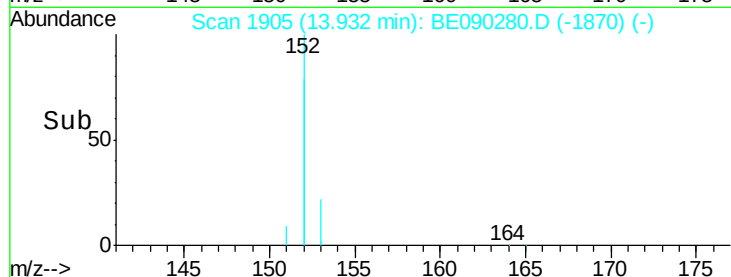
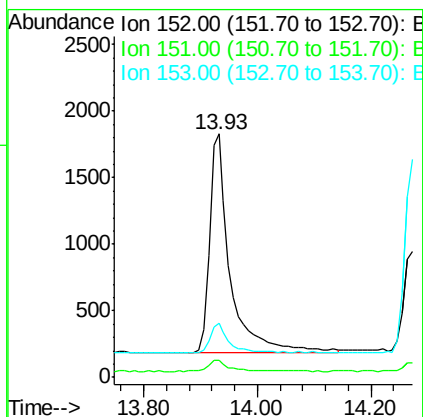
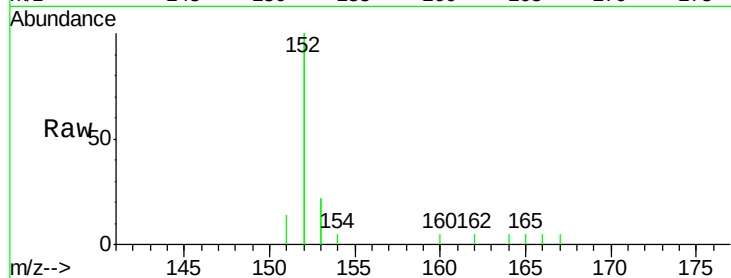
Instrument :

BNA_E

ClientSampleId :

MDL-07-S

Tgt Ion:	152	Resp:	4105
Ion	Ratio	Lower	Upper
152	100		
151	6.8	4.3	6.5#
153	22.1	11.9	17.9#



#8

Acenaphthene

Concen: 0.13 ng/ul

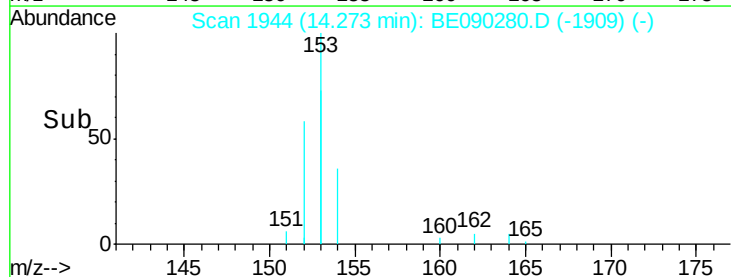
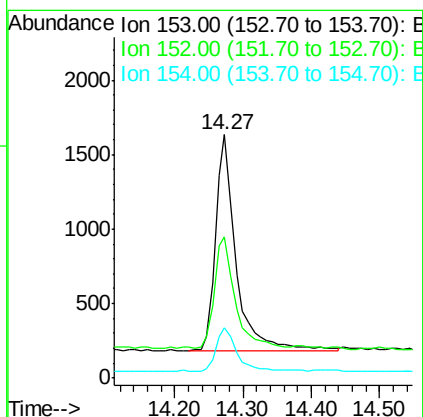
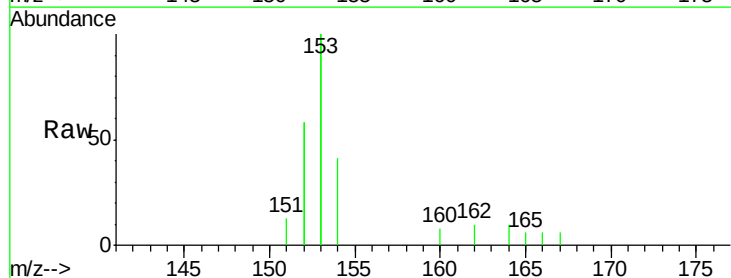
RT: 14.27 min Scan# 1944

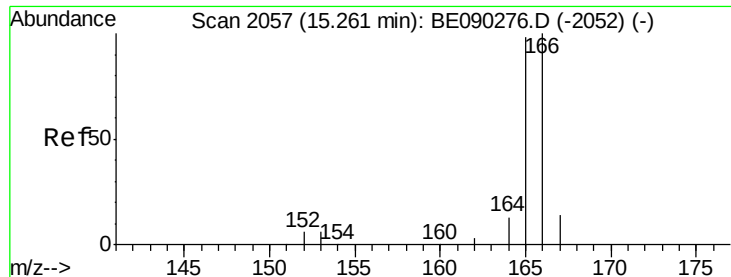
Delta R.T. 0.01 min

Lab File: BE090280.D

Acq: 28 Jul 2015 21:56

Tgt Ion:	153	Resp:	2987
Ion	Ratio	Lower	Upper
153	100		
152	57.9	45.7	68.5
154	20.7	16.4	24.6





#9

Fluorene

Concen: 0.13 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE090280.D

Acq: 28 Jul 2015 21:56

Instrument :

BNA_E

ClientSampleId :

MDL-07-S

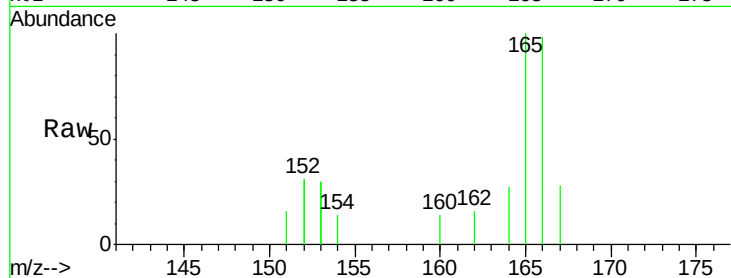
Tgt Ion:166 Resp: 764

Ion Ratio Lower Upper

166 100

165 102.4 80.3 120.5

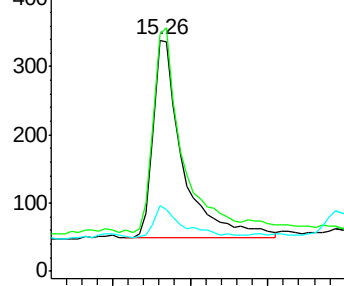
167 28.3 12.4 18.6#



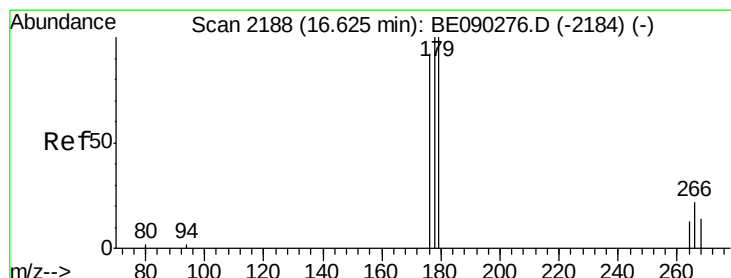
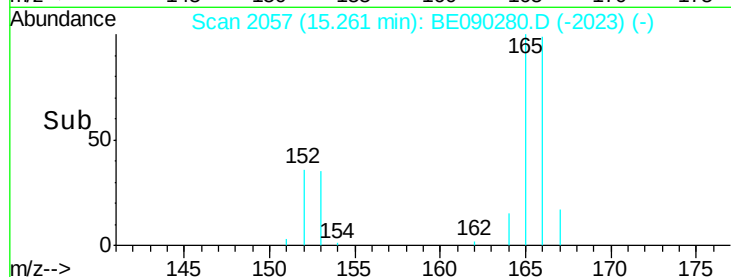
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#11

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.58 min Scan# 2184

Delta R.T. -0.05 min

Lab File: BE090280.D

Acq: 28 Jul 2015 21:56

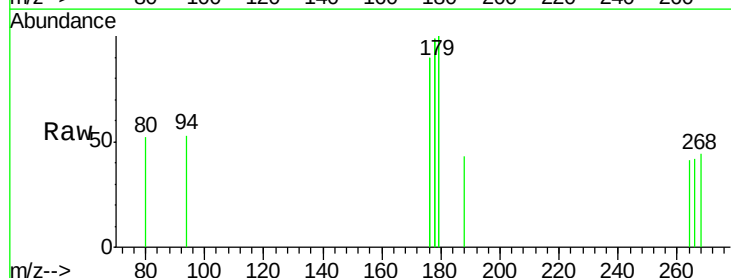
Tgt Ion:266 Resp: 2

Ion Ratio Lower Upper

266 100

264 0.0 43.4 65.0#

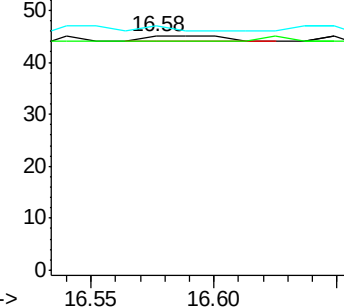
268 0.0 44.6 66.8#



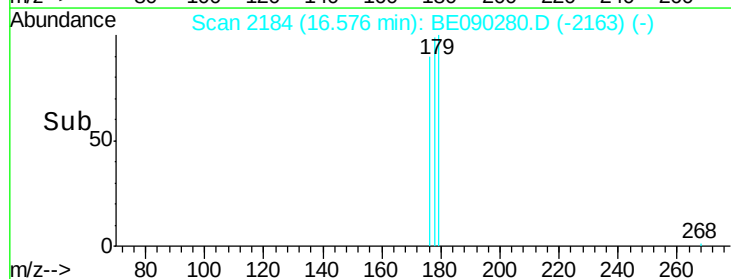
Abundance Ion 266.00 (265.70 to 266.70): E

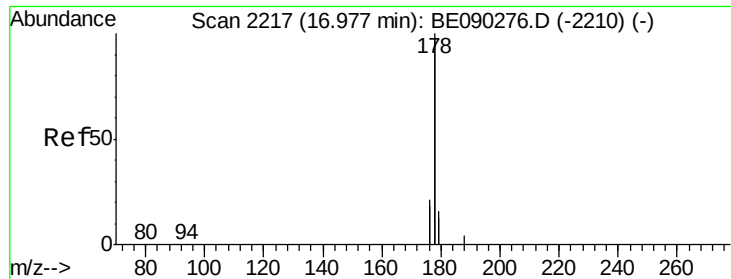
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#12

Phenanthrene

Concen: 0.13 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BE090280.D

Acq: 28 Jul 2015 21:56

Instrument :

BNA_E

ClientSampleId :

MDL-07-S

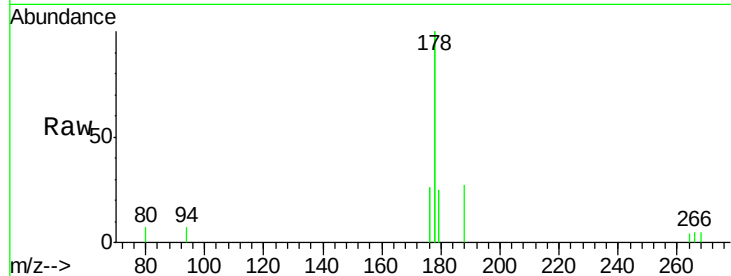
Tgt Ion:178 Resp: 4348

Ion Ratio Lower Upper

178 100

176 25.8 17.3 25.9

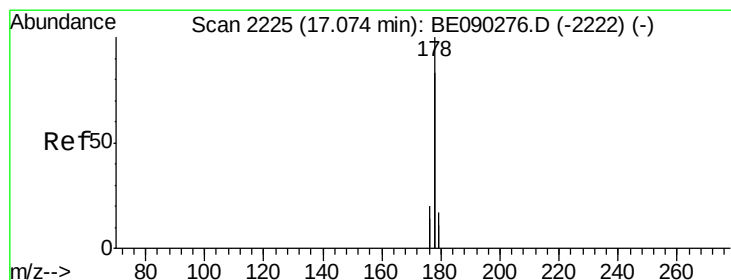
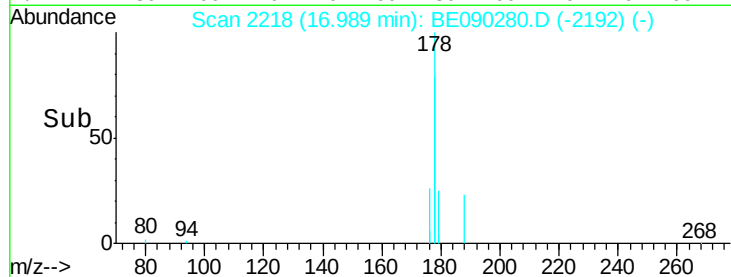
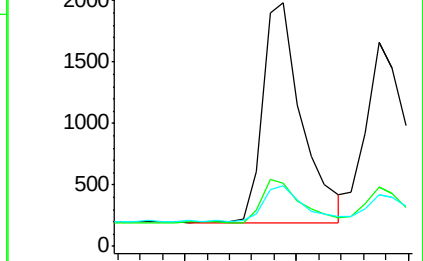
179 24.9 13.1 19.7#



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: 0.14 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE090280.D

Acq: 28 Jul 2015 21:56

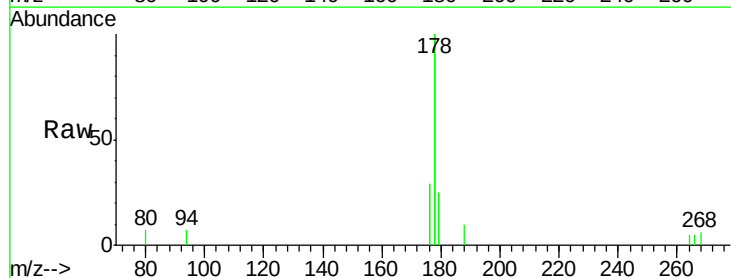
Tgt Ion:178 Resp: 4811

Ion Ratio Lower Upper

178 100

176 28.9 16.4 24.6#

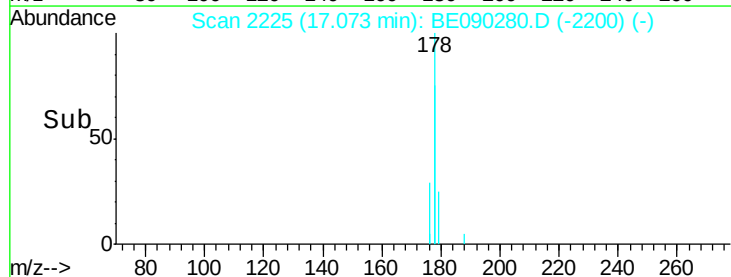
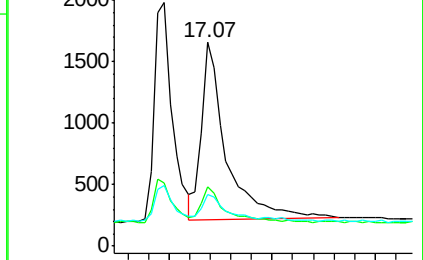
179 25.1 13.9 20.9#

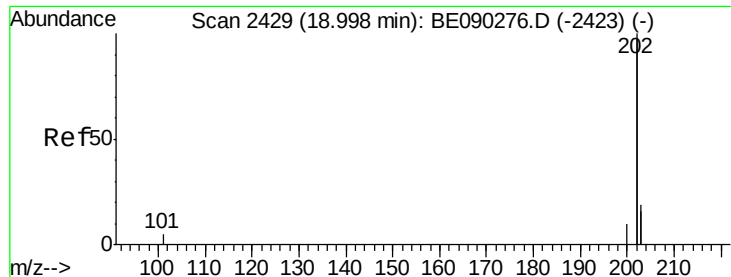


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.14 ng/ul

RT: 19.00 min Scan# 2430

Delta R.T. 0.01 min

Lab File: BE090280.D

Acq: 28 Jul 2015 21:56

Instrument :

BNA_E

ClientSampleId :

MDL-07-S

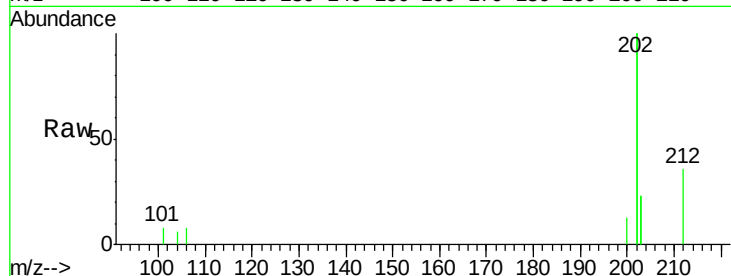
Tgt Ion:202 Resp: 5655

Ion Ratio Lower Upper

202 100

101 4.0 0.0 22.9

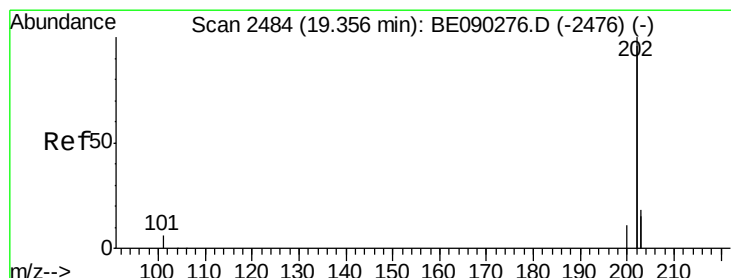
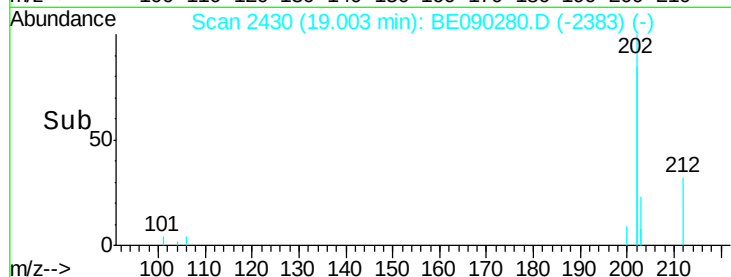
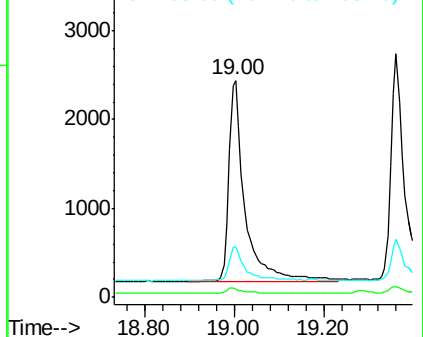
203 23.2 0.0 39.0



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: 0.16 ng/ul

RT: 19.36 min Scan# 2485

Delta R.T. 0.01 min

Lab File: BE090280.D

Acq: 28 Jul 2015 21:56

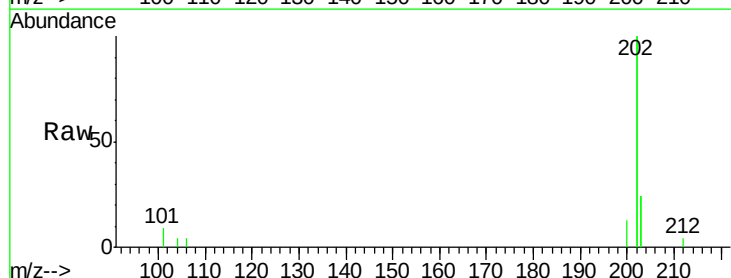
Tgt Ion:202 Resp: 5600

Ion Ratio Lower Upper

202 100

200 6.3 4.5 6.7

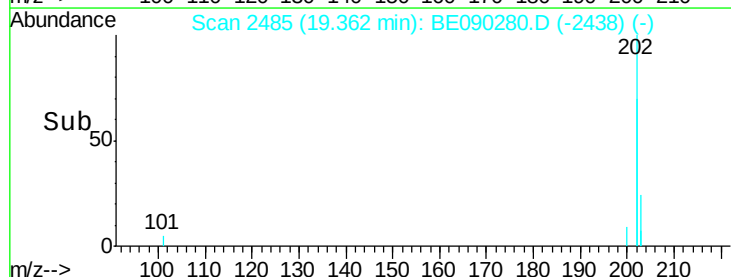
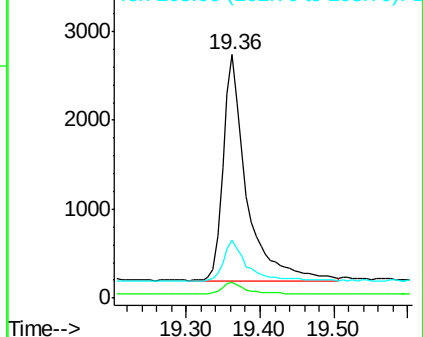
203 23.6 14.4 21.6#

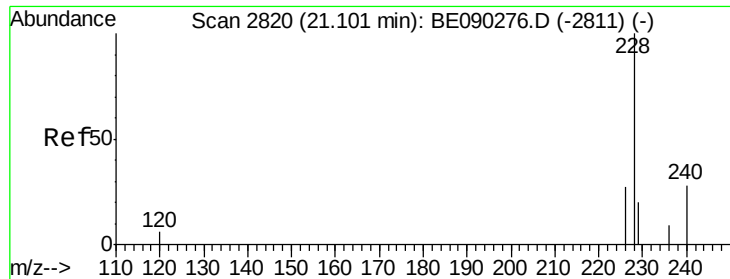


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2820

Delta R.T. -0.00 min

Lab File: BE090280.D

Acq: 28 Jul 2015 21:56

Instrument :

BNA_E

ClientSampleId :

MDL-07-S

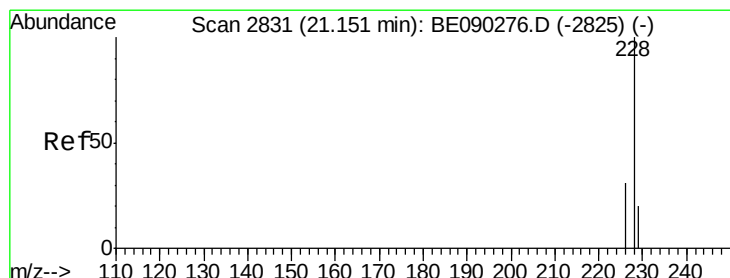
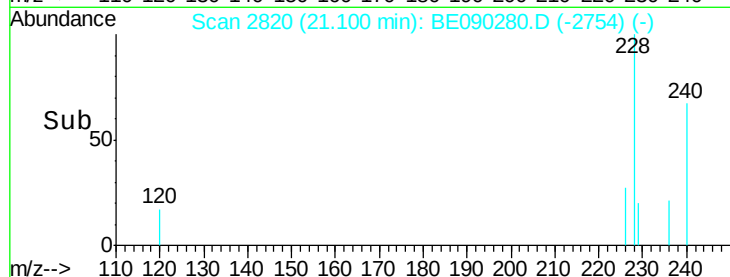
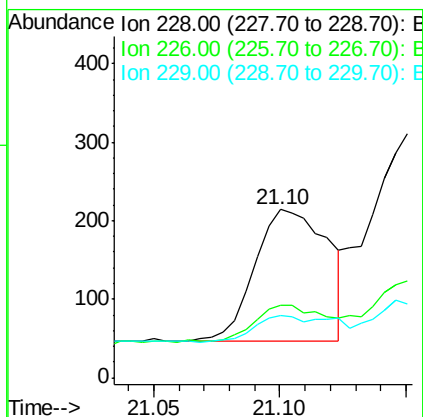
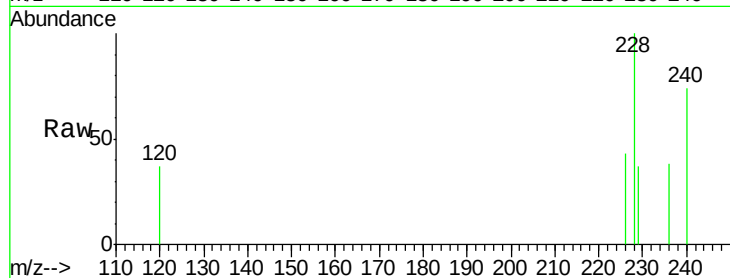
Tgt Ion:228 Resp: 336

Ion Ratio Lower Upper

228 100

226 43.0 24.6 36.8#

229 36.9 17.9 26.9#



#19

Chrysene

Concen: 0.10 ng/ul

RT: 21.15 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE090280.D

Acq: 28 Jul 2015 21:56

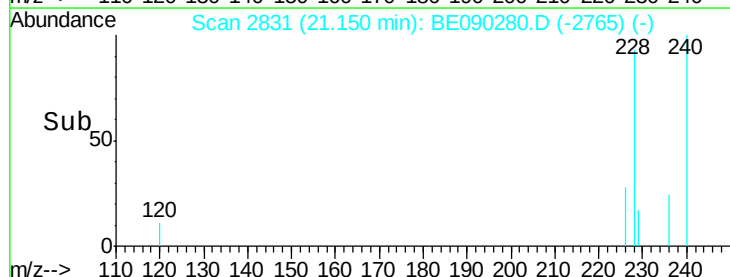
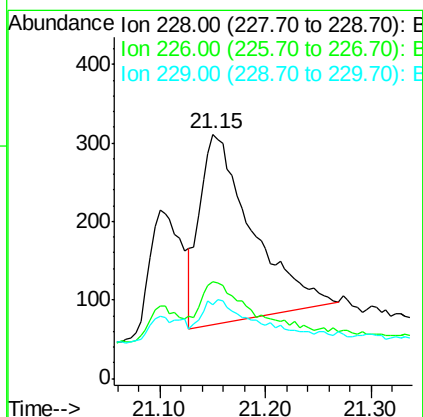
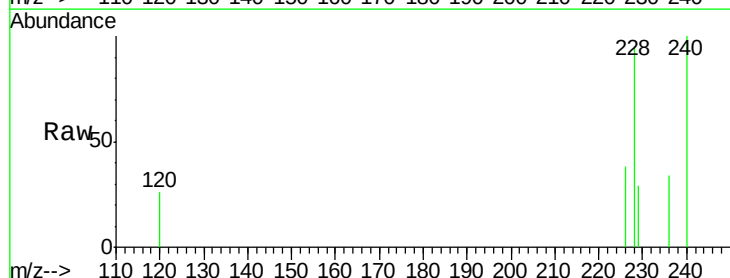
Tgt Ion:228 Resp: 834

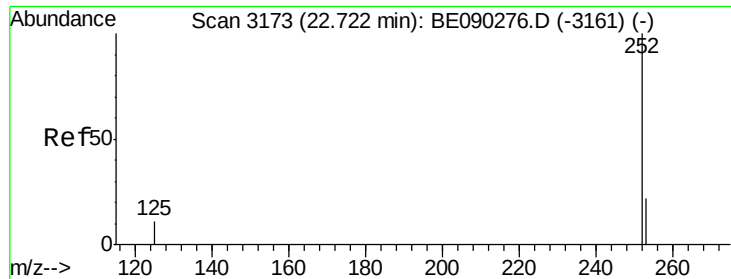
Ion Ratio Lower Upper

228 100

226 39.9 25.0 37.4#

229 30.2 16.6 24.8#





#21

Benzo(b)fluoranthene

Concen: 0.14 ng/ul

RT: 22.73 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE090280.D

Acq: 28 Jul 2015 21:56

Instrument :

BNA_E

ClientSampleId :

MDL-07-S

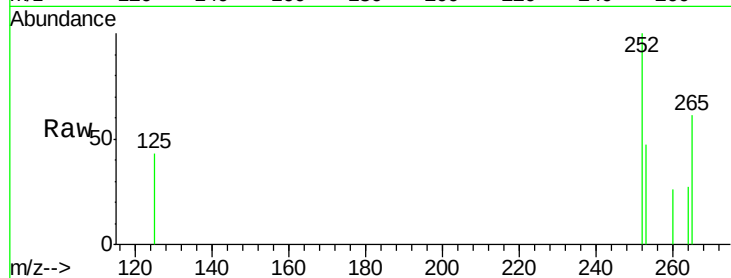
Tgt Ion:252 Resp: 245

Ion Ratio Lower Upper

252 100

253 47.0 0.0 57.2

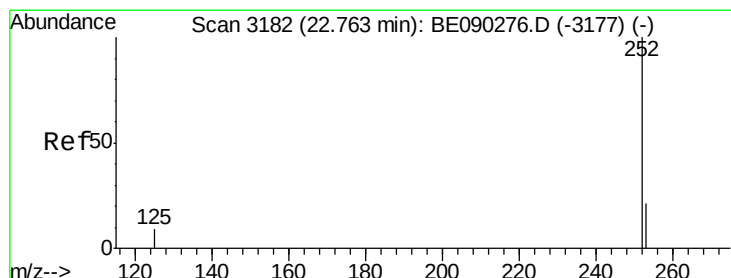
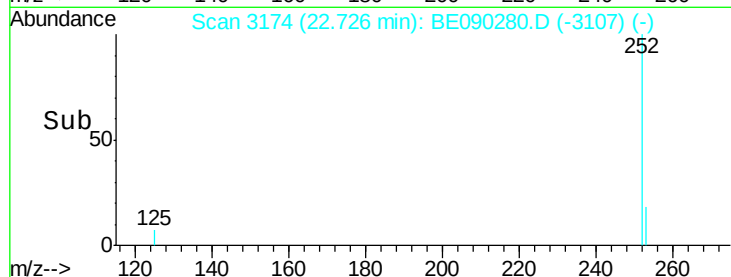
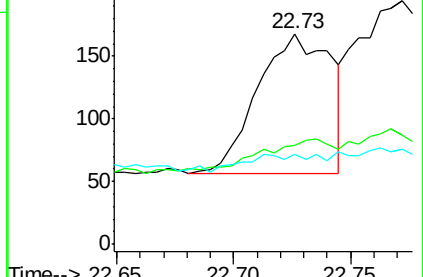
125 42.9 0.0 34.6#



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# 3184

Delta R.T. 0.01 min

Lab File: BE090280.D

Acq: 28 Jul 2015 21:56

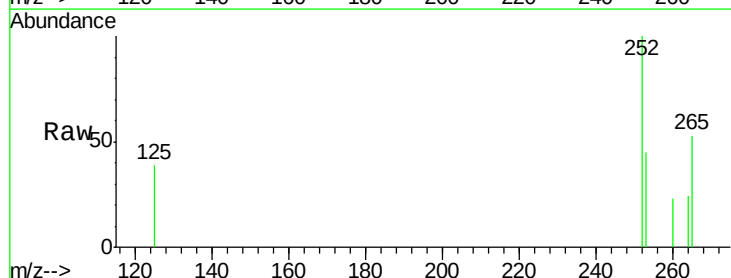
Tgt Ion:252 Resp: 271

Ion Ratio Lower Upper

252 100

253 44.8 21.3 31.9#

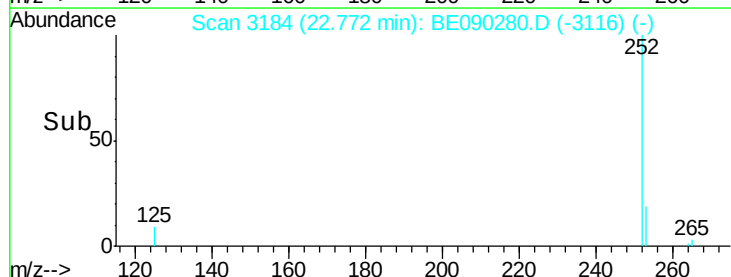
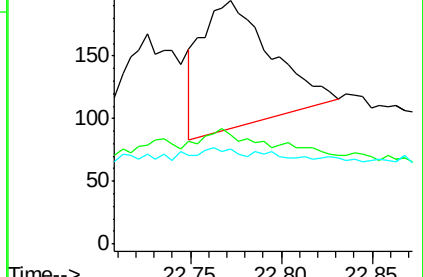
125 39.2 13.3 19.9#

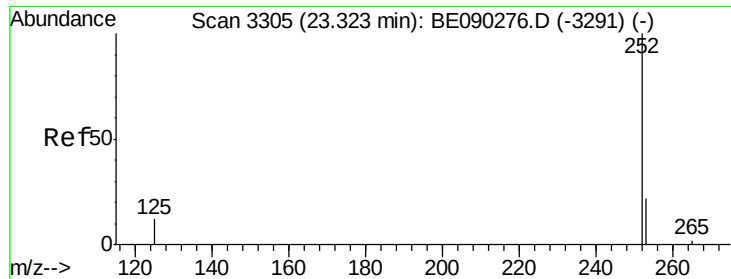


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.12 ng/ul

RT: 23.32 min Scan# 3305

Delta R.T. -0.00 min

Lab File: BE090280.D

Acq: 28 Jul 2015 21:56

Instrument :

BNA_E

ClientSampleId :

MDL-07-S

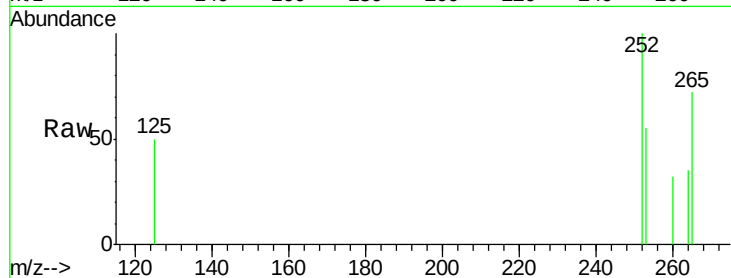
Tgt Ion: 252 Resp: 288

Ion Ratio Lower Upper

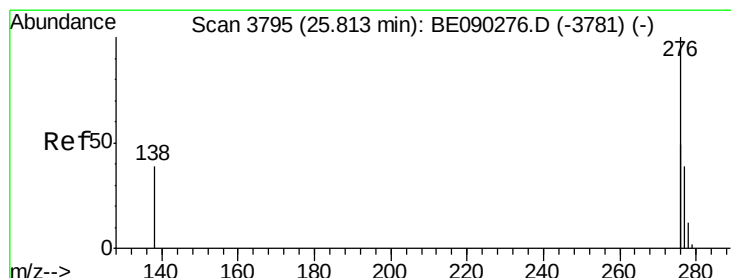
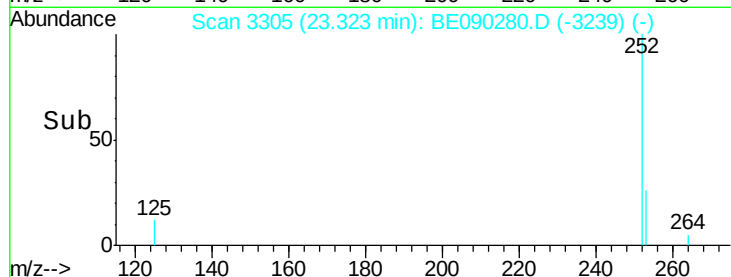
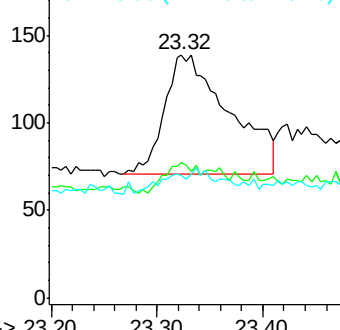
252 100

253 55.4 24.9 37.3#

125 50.4 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: 0.12 ng/ul

RT: 25.83 min Scan# 3797

Delta R.T. 0.01 min

Lab File: BE090280.D

Acq: 28 Jul 2015 21:56

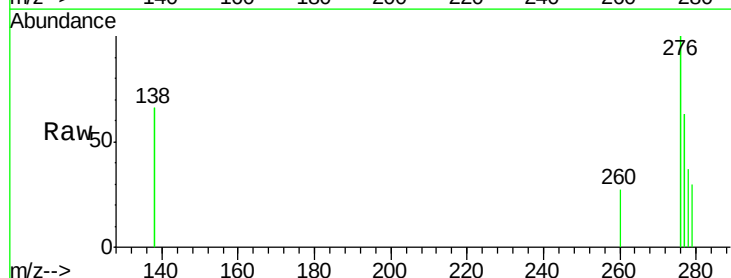
Tgt Ion: 276 Resp: 872

Ion Ratio Lower Upper

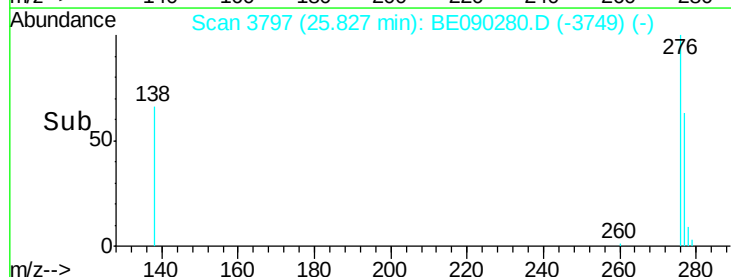
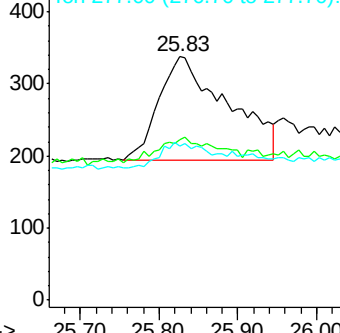
276 100

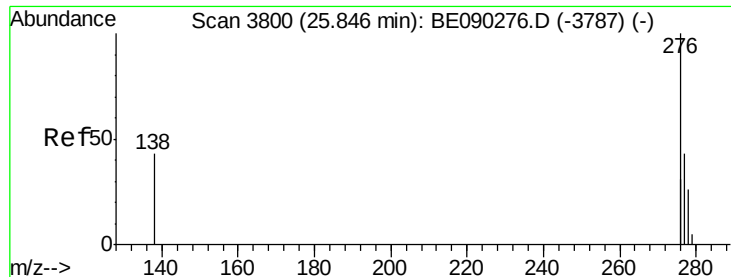
138 20.9 13.5 20.3#

277 17.0 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

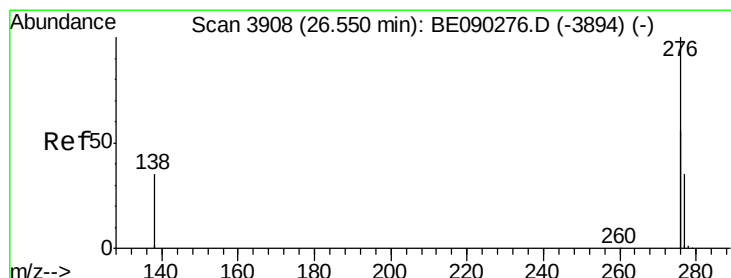
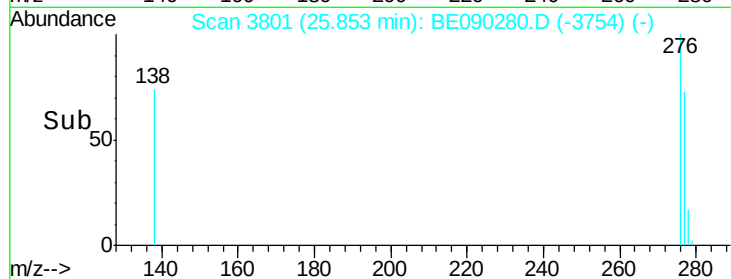
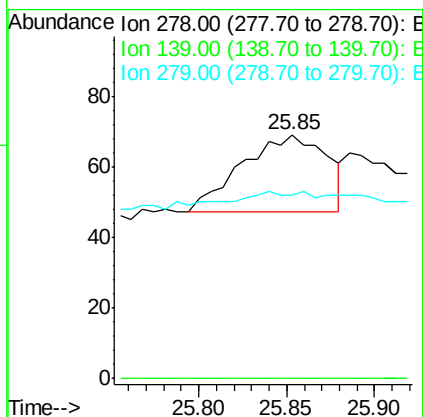
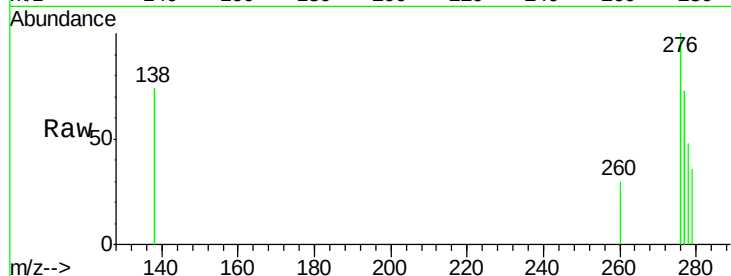




#25
Dibenzo(a,h)anthracene
Concen: 0.09 ng/ul
RT: 25.85 min Scan# 3801
Delta R.T. 0.01 min
Lab File: BE090280.D
Acq: 28 Jul 2015 21:56

Instrument :
BNA_E
ClientSampleId :
MDL-07-S

Tgt Ion: 278 Resp: 74
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 75.4 37.4 56.0#



#26
Benzo(g,h,i)perylene
Concen: 0.13 ng/ul
RT: 26.56 min Scan# 3909
Delta R.T. 0.01 min
Lab File: BE090280.D
Acq: 28 Jul 2015 21:56

Tgt Ion: 276 Resp: 1338
Ion Ratio Lower Upper
276 100
277 58.3 25.5 38.3#
138 56.9 23.9 35.9#

