

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072915\
 Data File : BE090288.D
 Acq On : 29 Jul 2015 19:04
 Operator : TP/IZ
 Sample : MDL-06-S
 Misc : MDL-SIM2.2-SOIL-0.15PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-06-S

Quant Time: Jul 30 02:35:06 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	1087	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	4532	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2659	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5988	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	4083	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	2699	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	2980	0.43	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	6741	0.41	ng/ul	0.00

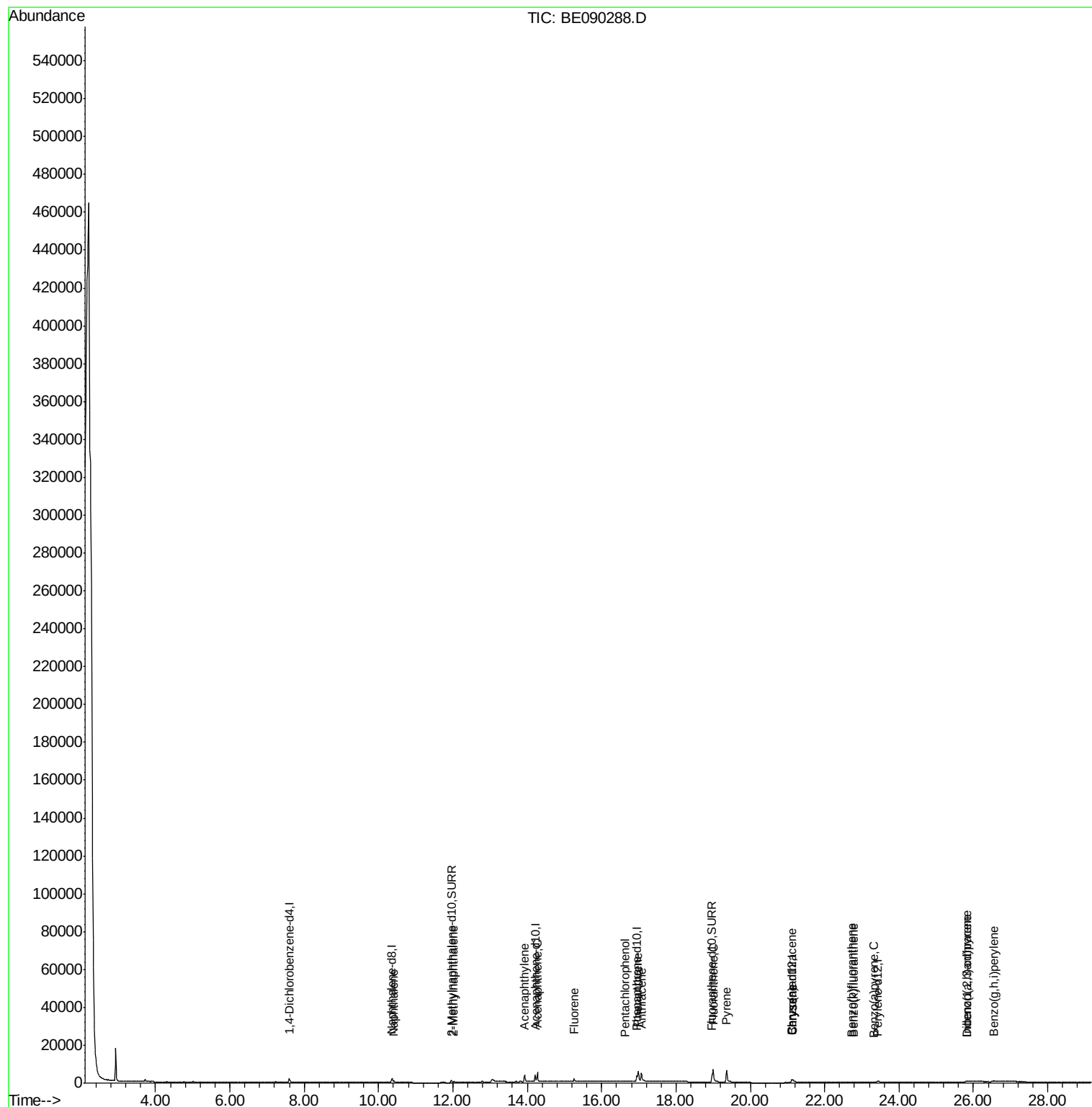
Target Compounds						Qvalue
3) Naphthalene	10.41	128	1653	0.14	ng/ul#	91
5) 2-Methylnaphthalene	12.02	142	1037	0.13	ng/ul	98
7) Acenaphthylene	13.92	152	7331	0.13	ng/ul	96
8) Acenaphthene	14.27	153	5346	0.13	ng/ul	98
9) Fluorene	15.26	166	1422	0.13	ng/ul#	92
11) Pentachlorophenol	16.62	266	43	0.11	ng/ul#	70
12) Phenanthrene	16.98	178	8371	0.13	ng/ul	93
13) Anthracene	17.07	178	8761	0.13	ng/ul	94
15) Fluoranthene	19.00	202	10236	0.14	ng/ul	98
17) Pyrene	19.36	202	10795	0.14	ng/ul	96
18) Benzo(a)anthracene	21.10	228	764m	0.13	ng/ul	
19) Chrysene	21.15	228	2671m	0.15	ng/ul	
21) Benzo(b)fluoranthene	22.73	252	482	0.12	ng/ul	70
22) Benzo(k)fluoranthene	22.76	252	1688m	0.13	ng/ul	
23) Benzo(a)pyrene	23.33	252	590	0.11	ng/ul#	70
24) Indeno(1,2,3-cd)pyrene	25.82	276	1671	0.10	ng/ul	97
25) Dibenzo(a,h)anthracene	25.85	278	269m	0.13	ng/ul	
26) Benzo(g,h,i)perylene	26.55	276	2543	0.11	ng/ul#	69

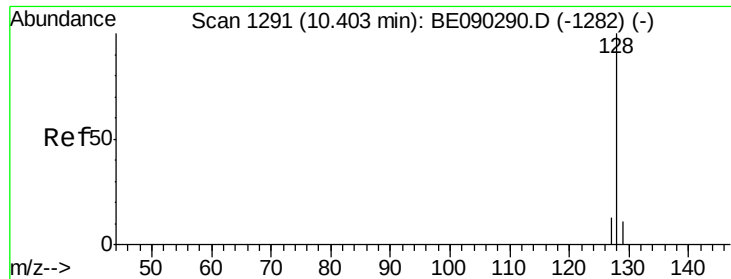
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE090288.D

Acq: 29 Jul 2015 19:04

Instrument :

BNA_E

ClientSampleId :

MDL-06-S

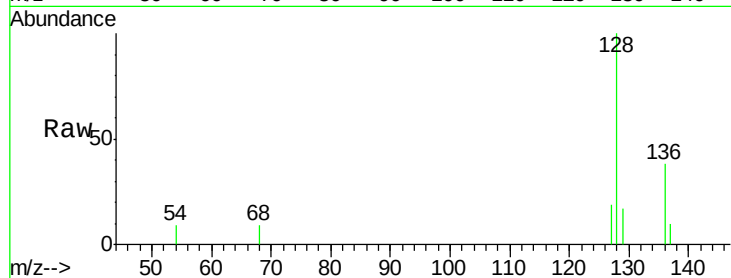
Tgt Ion:128 Resp: 1653

Ion Ratio Lower Upper

128 100

129 16.9 10.4 15.6#

127 18.7 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

10.41

800

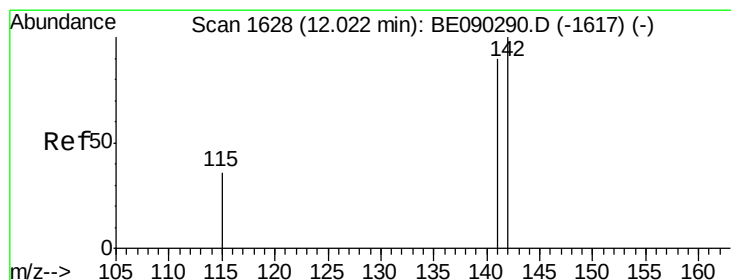
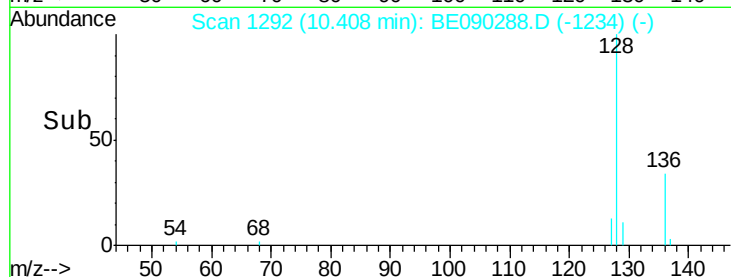
600

400

200

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.13 ng/ul

RT: 12.02 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE090288.D

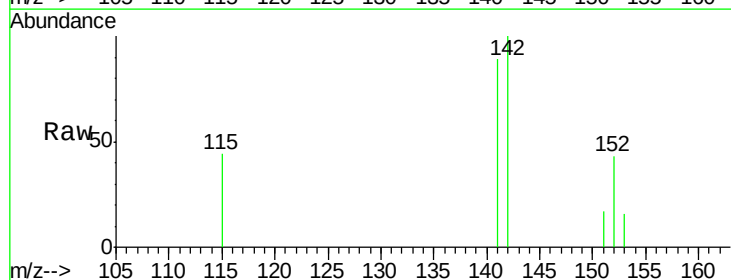
Acq: 29 Jul 2015 19:04

Tgt Ion:142 Resp: 1037

Ion Ratio Lower Upper

142 100

141 89.6 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.02

400

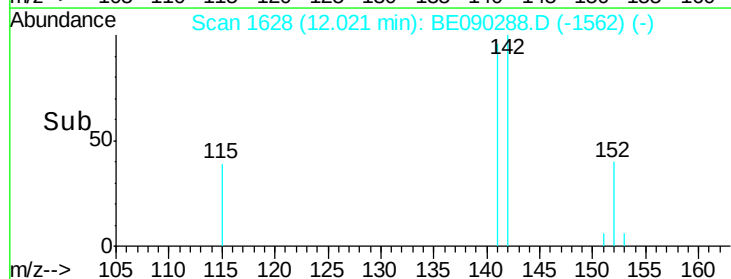
300

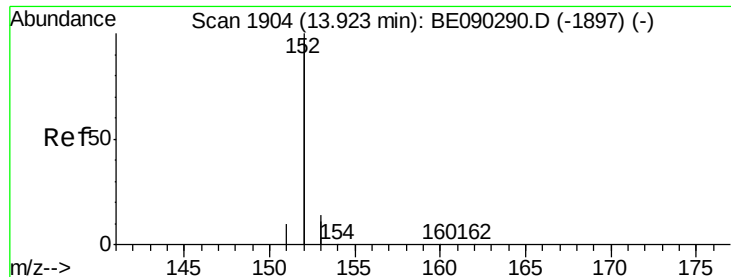
200

100

0

Time-->





#7

Acenaphthylene

Concen: 0.13 ng/ul

RT: 13.92 min Scan# 1904

Delta R.T. 0.00 min

Lab File: BE090288.D

Acq: 29 Jul 2015 19:04

Instrument :

BNA_E

ClientSampleId :

MDL-06-S

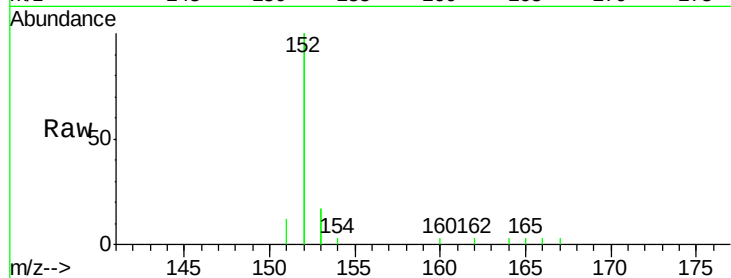
Tgt Ion:152 Resp: 7331

Ion Ratio Lower Upper

152 100

151 6.2 4.3 6.5

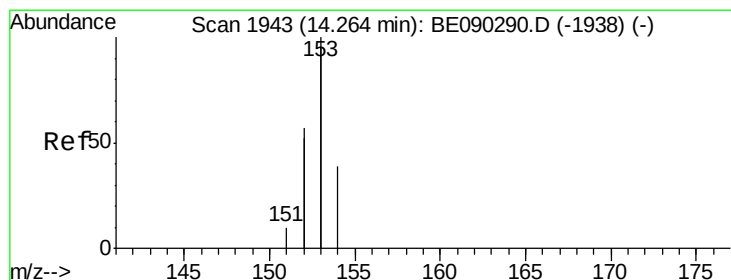
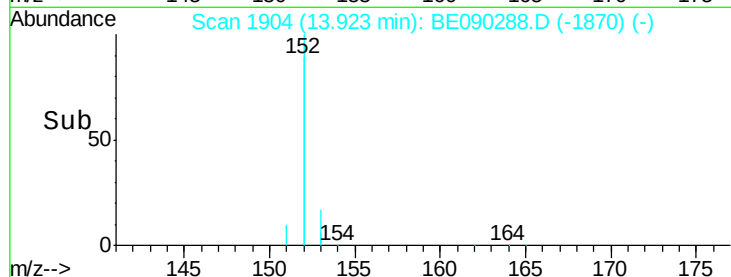
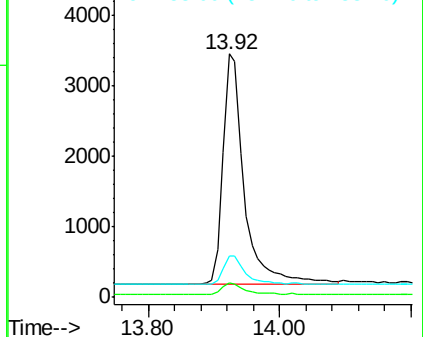
153 16.8 11.9 17.9



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: 0.13 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.01 min

Lab File: BE090288.D

Acq: 29 Jul 2015 19:04

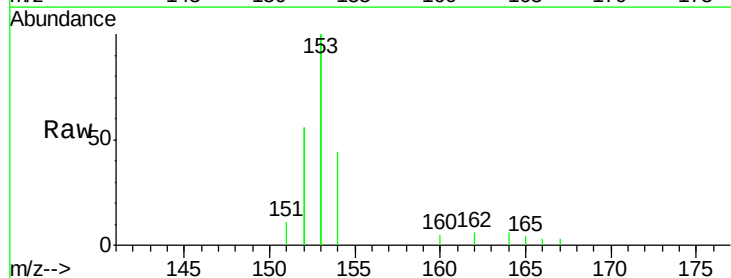
Tgt Ion:153 Resp: 5346

Ion Ratio Lower Upper

153 100

152 55.8 45.7 68.5

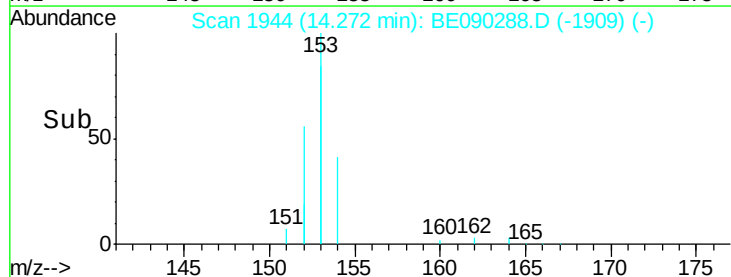
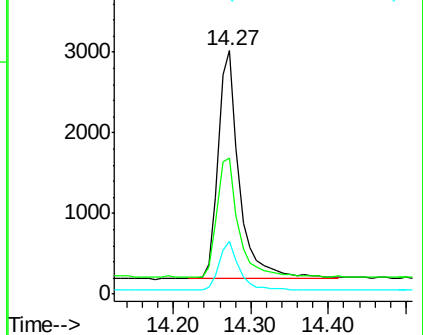
154 21.9 16.4 24.6

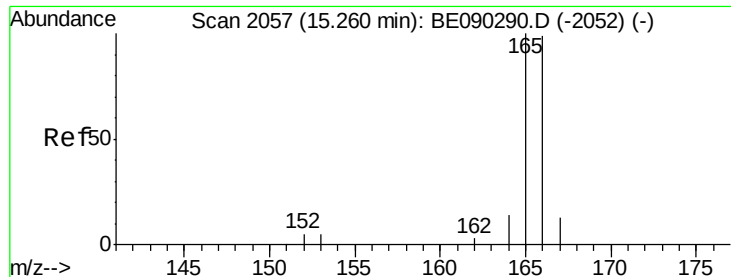


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.13 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BE090288.D

Acq: 29 Jul 2015 19:04

Instrument :

BNA_E

ClientSampleId :

MDL-06-S

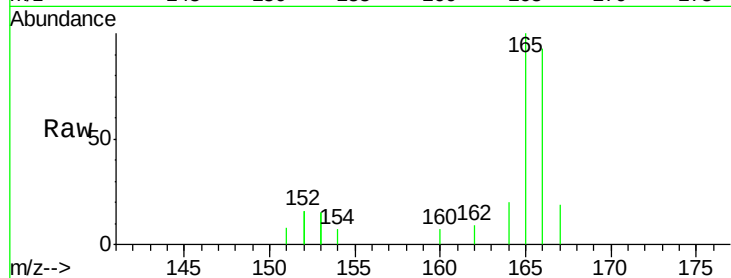
Tgt Ion:166 Resp: 1422

Ion Ratio Lower Upper

166 100

165 108.0 80.3 120.5

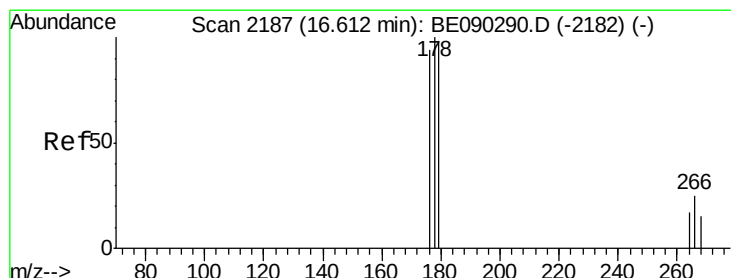
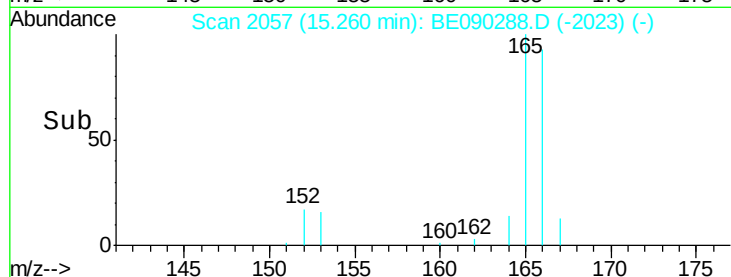
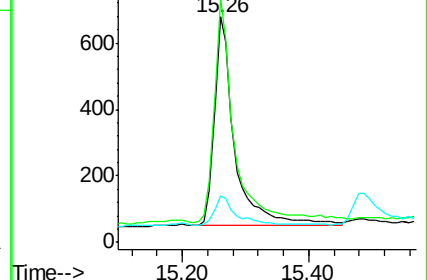
167 20.5 12.4 18.6#



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: 0.11 ng/ul

RT: 16.62 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BE090288.D

Acq: 29 Jul 2015 19:04

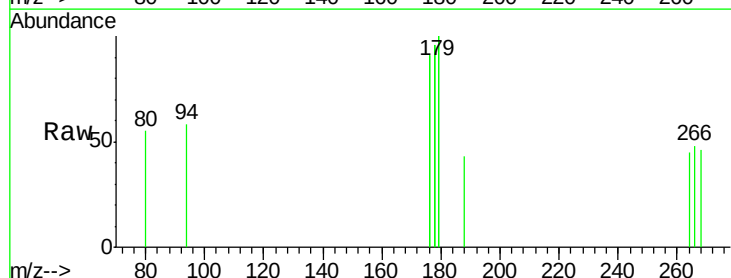
Tgt Ion:266 Resp: 43

Ion Ratio Lower Upper

266 100

264 67.4 43.4 65.0#

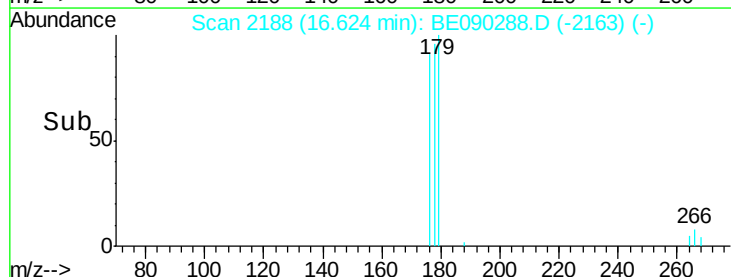
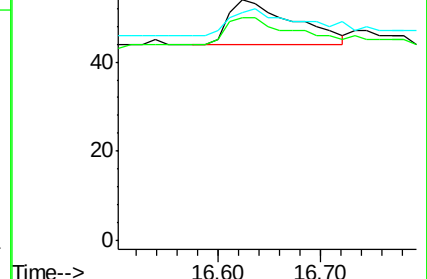
268 86.0 44.6 66.8#

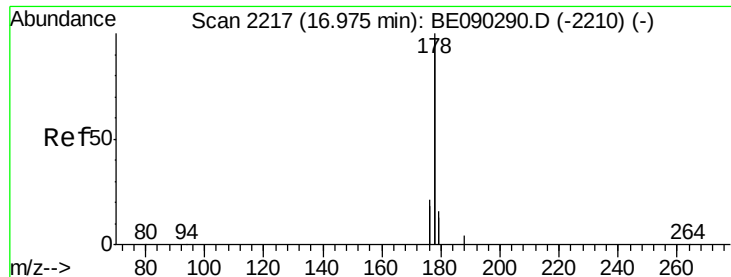


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.13 ng/ul

RT: 16.98 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BE090288.D

Acq: 29 Jul 2015 19:04

Instrument :

BNA_E

ClientSampleId :

MDL-06-S

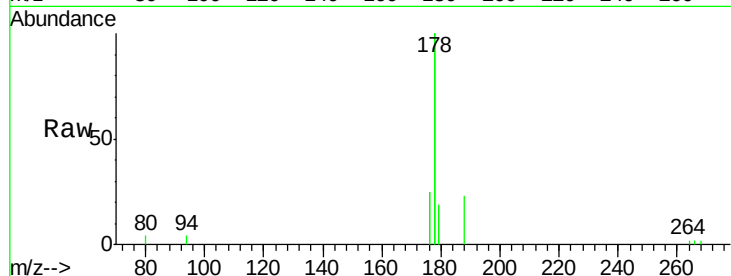
Tgt Ion:178 Resp: 8371

Ion Ratio Lower Upper

178 100

176 25.3 17.3 25.9

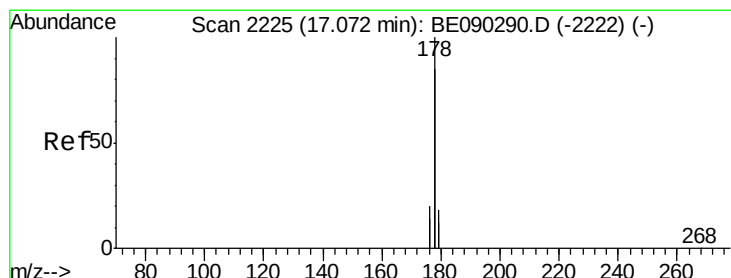
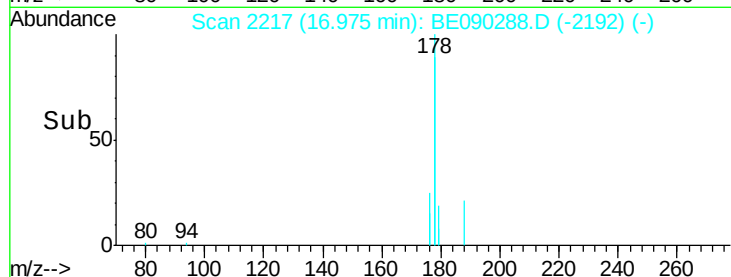
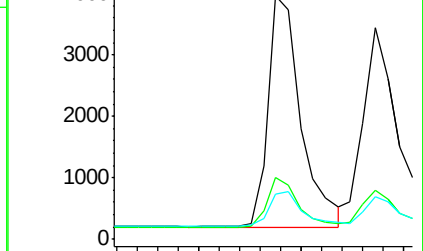
179 18.6 13.1 19.7



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: 0.13 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE090288.D

Acq: 29 Jul 2015 19:04

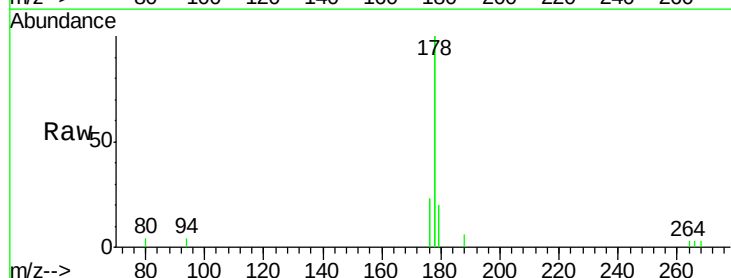
Tgt Ion:178 Resp: 8761

Ion Ratio Lower Upper

178 100

176 23.2 16.4 24.6

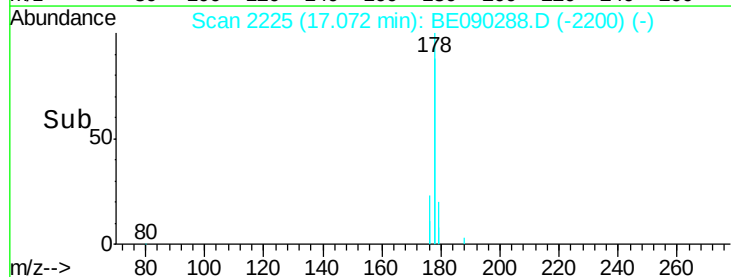
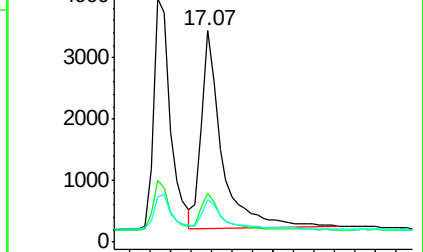
179 20.4 13.9 20.9

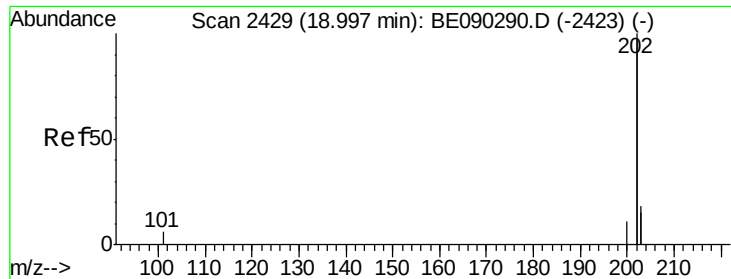


Abundance Ion 178.00 (177.70 to 178.70): E

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# 2429

Delta R.T. 0.00 min

Lab File: BE090288.D

Acq: 29 Jul 2015 19:04

Instrument :

BNA_E

ClientSampleId :

MDL-06-S

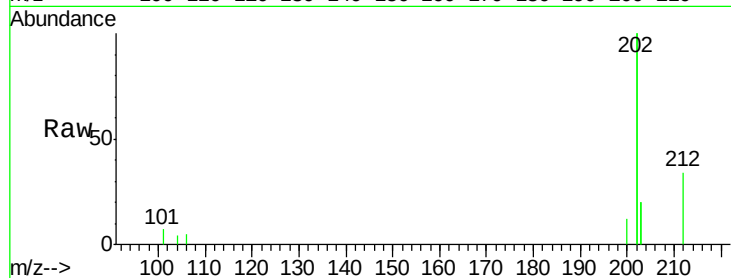
Tgt Ion:202 Resp: 10236

Ion Ratio Lower Upper

202 100

101 3.6 0.0 22.9

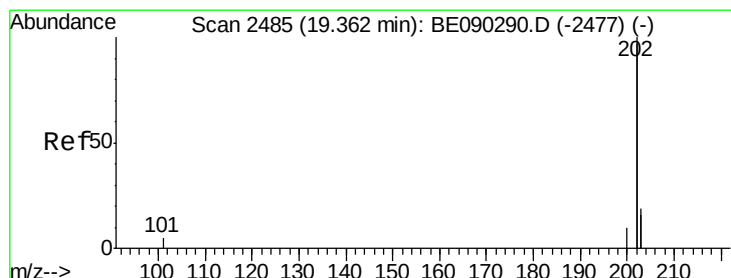
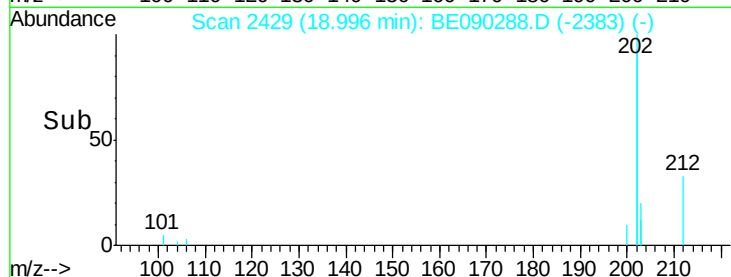
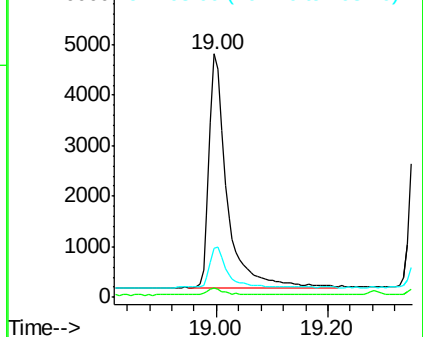
203 20.0 0.0 39.0



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: 0.14 ng/ul

RT: 19.36 min Scan# 2485

Delta R.T. 0.00 min

Lab File: BE090288.D

Acq: 29 Jul 2015 19:04

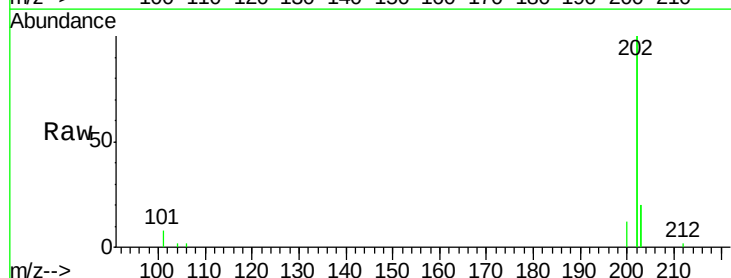
Tgt Ion:202 Resp: 10795

Ion Ratio Lower Upper

202 100

200 6.0 4.5 6.7

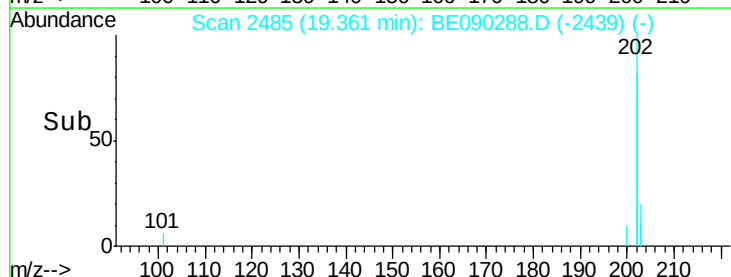
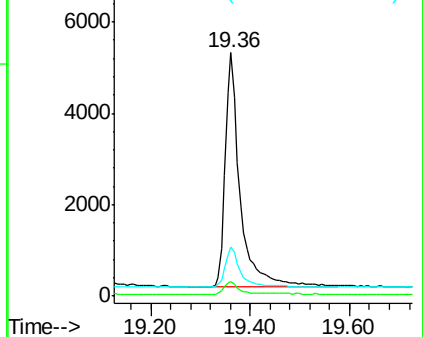
203 20.1 14.4 21.6

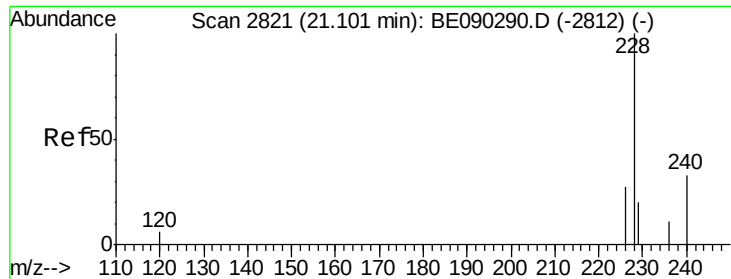


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.13 ng/ul m

RT: 21.10 min Scan# 2821

Delta R.T. 0.00 min

Lab File: BE090288.D

Acq: 29 Jul 2015 19:04

Instrument :

BNA_E

ClientSampleId :

MDL-06-S

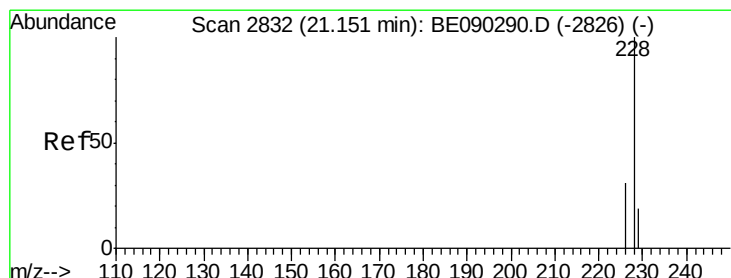
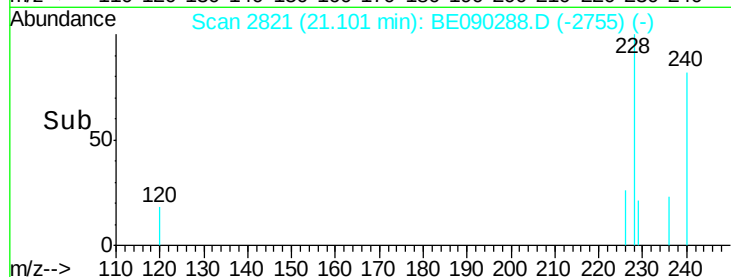
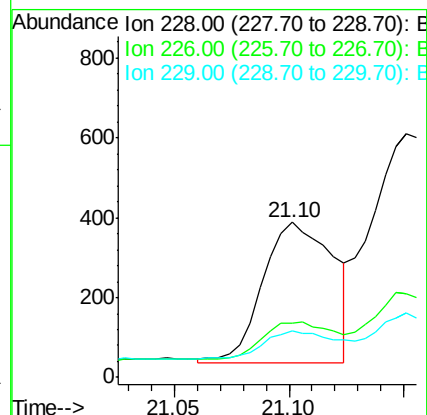
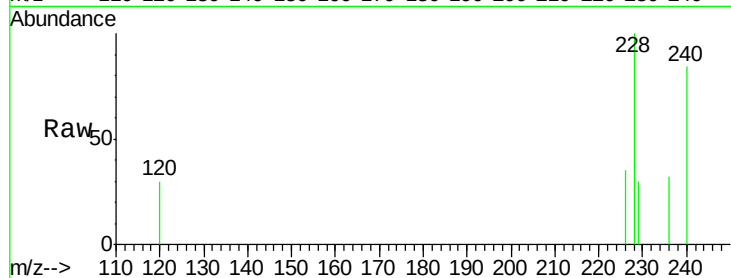
Tgt Ion:228 Resp: 764

Ion Ratio Lower Upper

228 100

226 34.8 24.6 36.8

229 30.2 17.9 26.9#



#19

Chrysene

Concen: 0.15 ng/ul m

RT: 21.15 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BE090288.D

Acq: 29 Jul 2015 19:04

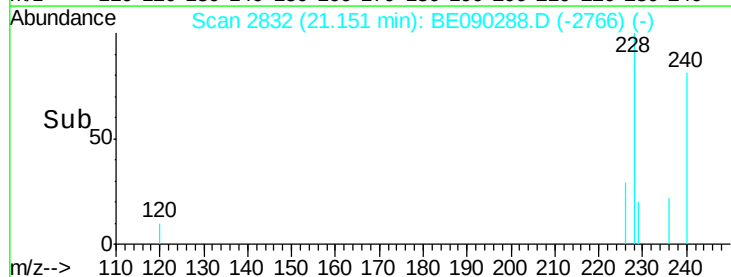
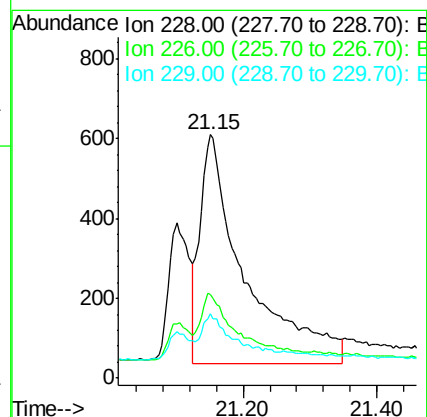
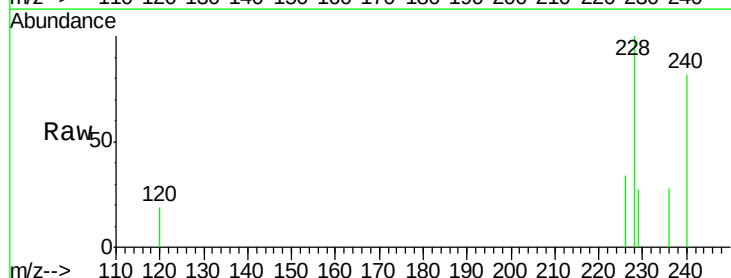
Tgt Ion:228 Resp: 2671

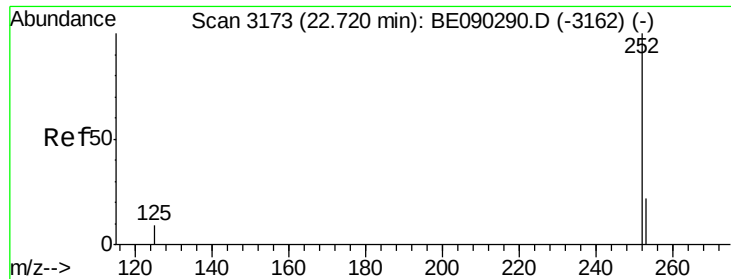
Ion Ratio Lower Upper

228 100

226 34.3 25.0 37.4

229 26.6 16.6 24.8#





#21

Benzo(b)fluoranthene

Concen: 0.12 ng/ul

RT: 22.73 min Scan# 3175

Delta R.T. 0.01 min

Lab File: BE090288.D

Acq: 29 Jul 2015 19:04

Instrument :

BNA_E

ClientSampleId :

MDL-06-S

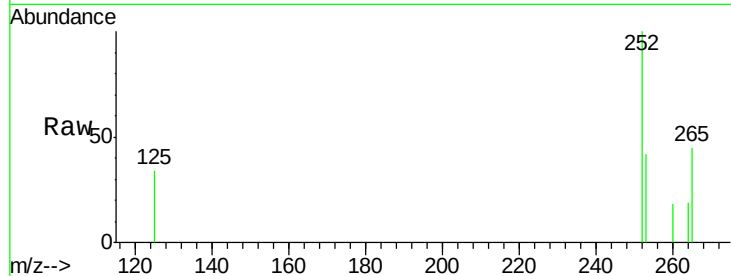
Tgt Ion:252 Resp: 482

Ion Ratio Lower Upper

252 100

253 41.6 0.0 57.2

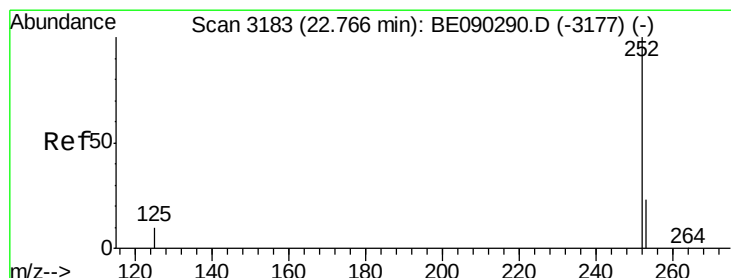
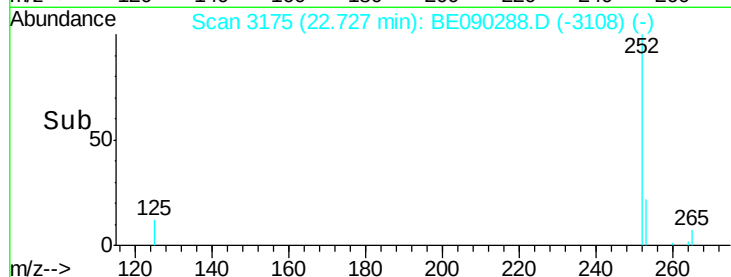
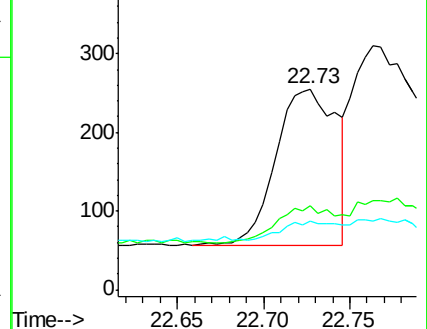
125 34.1 0.0 34.6



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: 0.13 ng/ul m

RT: 22.76 min Scan# 3183

Delta R.T. -0.00 min

Lab File: BE090288.D

Acq: 29 Jul 2015 19:04

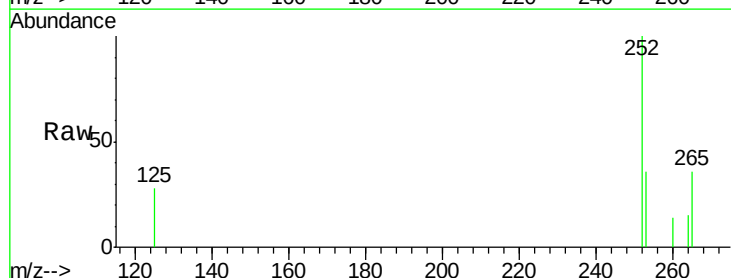
Tgt Ion:252 Resp: 1688

Ion Ratio Lower Upper

252 100

253 36.5 21.3 31.9#

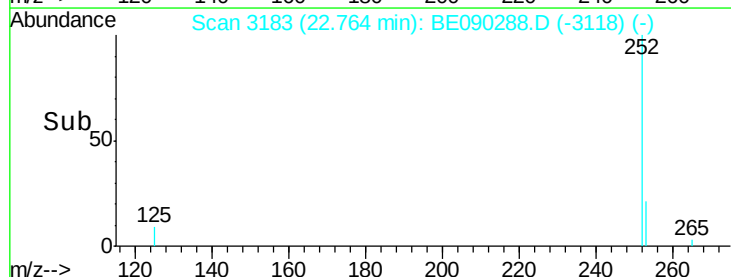
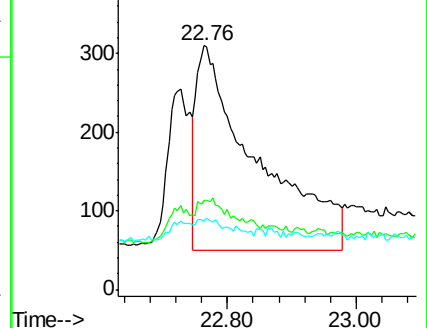
125 28.1 13.3 19.9#

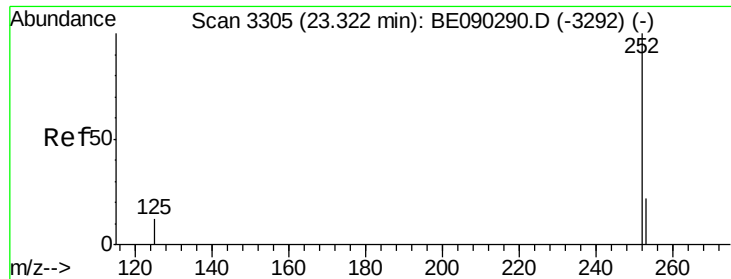


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.11 ng/ul

RT: 23.33 min Scan# 3307

Delta R.T. 0.01 min

Lab File: BE090288.D

Acq: 29 Jul 2015 19:04

Instrument :

BNA_E

ClientSampleId :

MDL-06-S

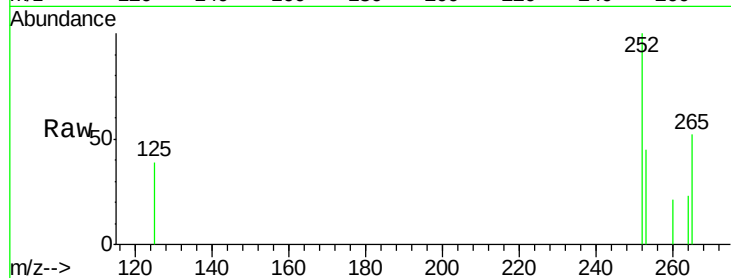
Tgt Ion:252 Resp: 590

Ion Ratio Lower Upper

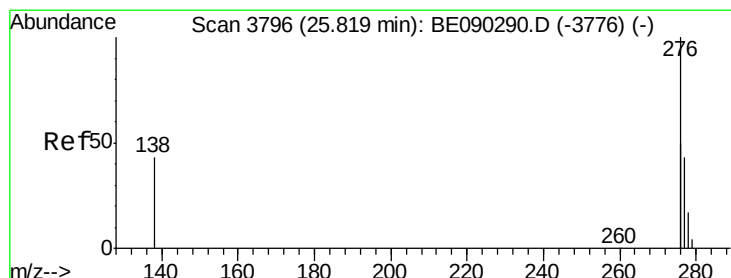
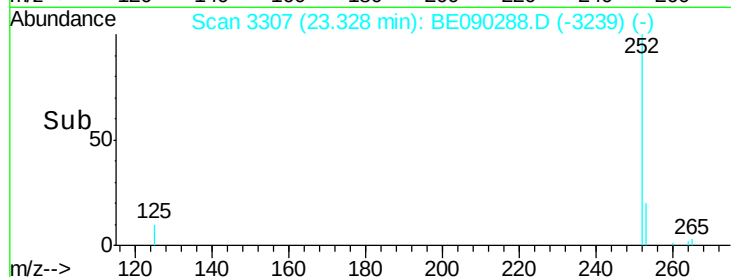
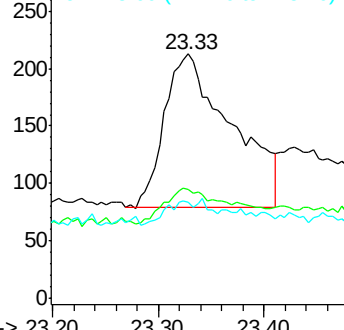
252 100

253 44.6 24.9 37.3#

125 39.4 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: 0.10 ng/ul

RT: 25.82 min Scan# 3797

Delta R.T. 0.01 min

Lab File: BE090288.D

Acq: 29 Jul 2015 19:04

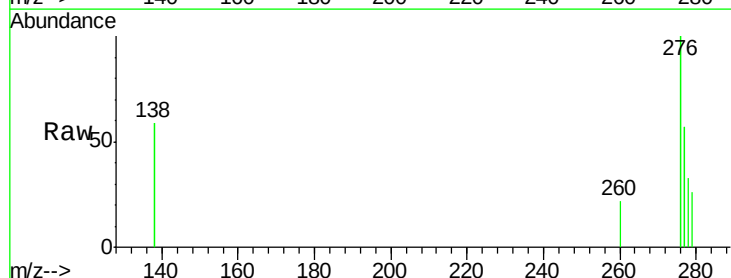
Tgt Ion:276 Resp: 1671

Ion Ratio Lower Upper

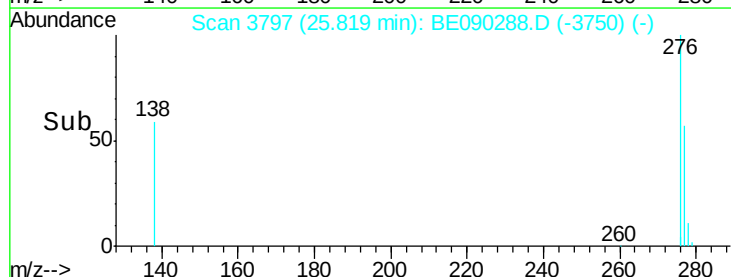
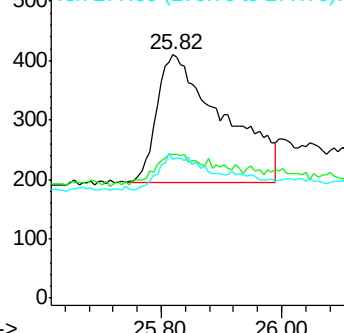
276 100

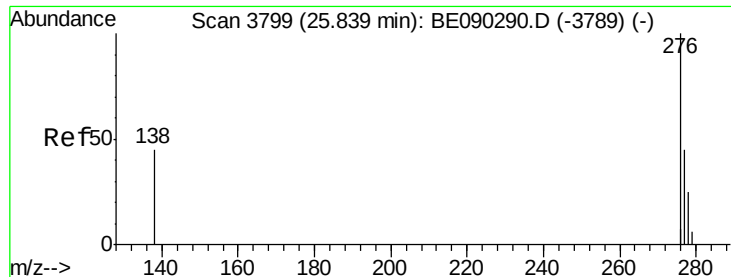
138 15.6 13.5 20.3

277 18.9 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

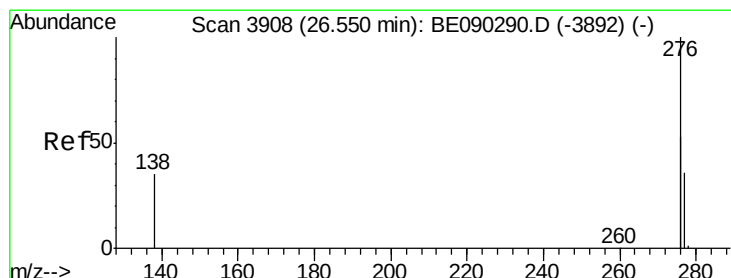
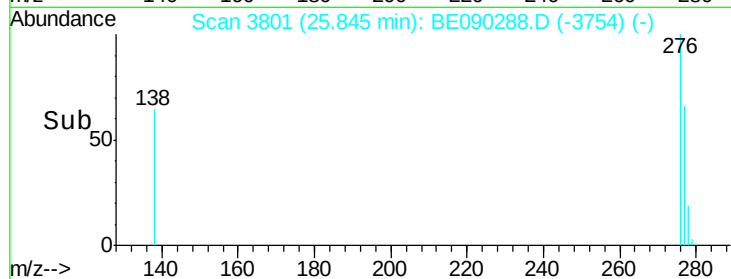
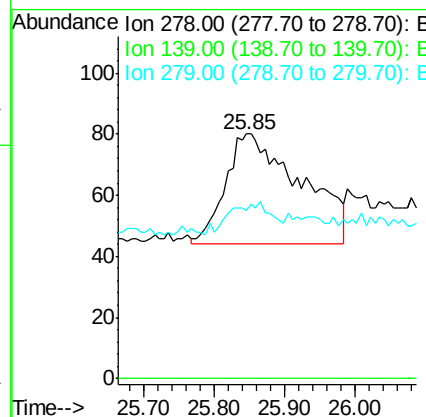
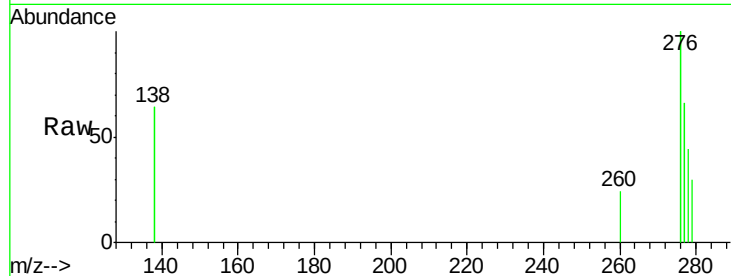




#25
Dibenzo(a,h)anthracene
Concen: 0.13 ng/ul m
RT: 25.85 min Scan# 3801
Delta R.T. 0.01 min
Lab File: BE090288.D
Acq: 29 Jul 2015 19:04

Instrument :
BNA_E
ClientSampleId :
MDL-06-S

Tgt Ion: 278 Resp: 269
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 68.8 37.4 56.0#



#26
Benzo(g,h,i)perylene
Concen: 0.11 ng/ul
RT: 26.55 min Scan# 3909
Delta R.T. 0.01 min
Lab File: BE090288.D
Acq: 29 Jul 2015 19:04

Tgt Ion: 276 Resp: 2543
Ion Ratio Lower Upper
276 100
277 47.9 25.5 38.3#
138 48.2 23.9 35.9#

