

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072915\
 Data File : BE090284.D
 Acq On : 29 Jul 2015 16:38
 Operator : TP/IZ
 Sample : MDL-02-S
 Misc : MDL-SIM2.2-SOIL-0.15PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-02-S

Quant Time: Jul 30 02:16:30 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	7.59	152	1011	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	3960	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2234	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5075	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	3433	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	2152	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	2473	0.41	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	5699	0.41	ng/ul	0.00

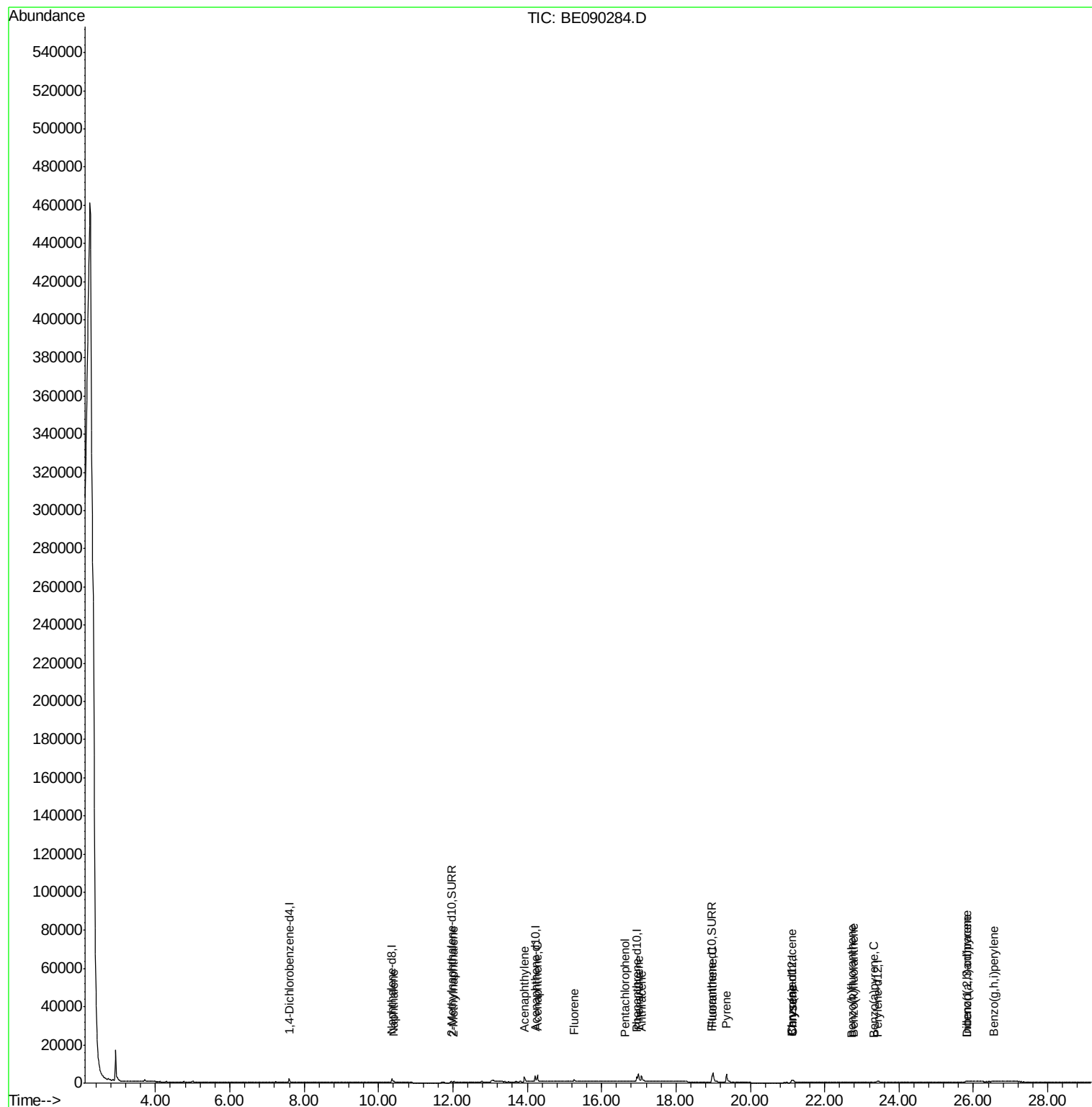
Target Compounds				Qvalue		
3) Naphthalene	10.41	128	1358	0.13	ng/ul#	88
5) 2-Methylnaphthalene	12.03	142	750	0.11	ng/ul	100
7) Acenaphthylene	13.92	152	5427	0.12	ng/ul#	92
8) Acenaphthene	14.27	153	4053	0.12	ng/ul	99
9) Fluorene	15.26	166	1000	0.11	ng/ul#	96
11) Pentachlorophenol	16.62	266	47	0.14	ng/ul#	58
12) Phenanthrene	16.99	178	6031	0.11	ng/ul#	90
13) Anthracene	17.07	178	6461	0.12	ng/ul#	88
15) Fluoranthene	19.00	202	7806	0.12	ng/ul	93
17) Pyrene	19.36	202	7832	0.12	ng/ul#	93
18) Benzo(a)anthracene	21.10	228	548	0.11	ng/ul#	84
19) Chrysene	21.15	228	2072m	0.14	ng/ul	
21) Benzo(b)fluoranthene	22.72	252	423m	0.13	ng/ul	
22) Benzo(k)fluoranthene	22.77	252	1192m	0.12	ng/ul	
23) Benzo(a)pyrene	23.32	252	524	0.12	ng/ul#	62
24) Indeno(1,2,3-cd)pyrene	25.82	276	1261	0.09	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.84	278	180	0.11	ng/ul#	64
26) Benzo(g,h,i)perylene	26.55	276	2192	0.11	ng/ul#	66

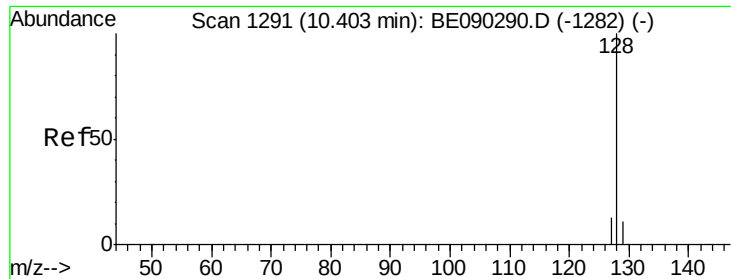
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.13 ng/ul

RT: 10.41 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BE090284.D

Acq: 29 Jul 2015 16:38

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

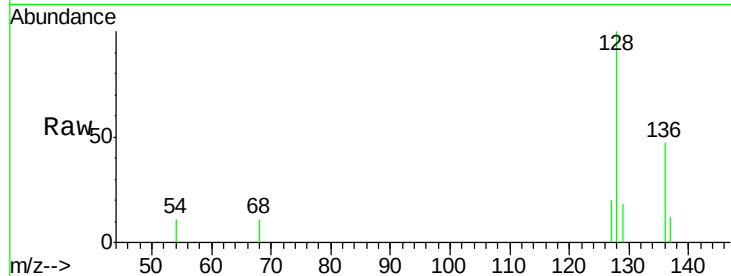
Tgt Ion:128 Resp: 1358

Ion Ratio Lower Upper

128 100

129 18.4 10.4 15.6#

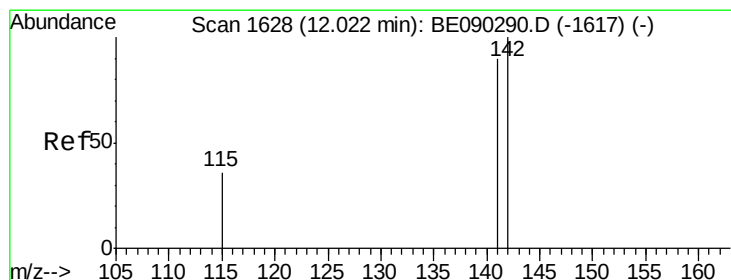
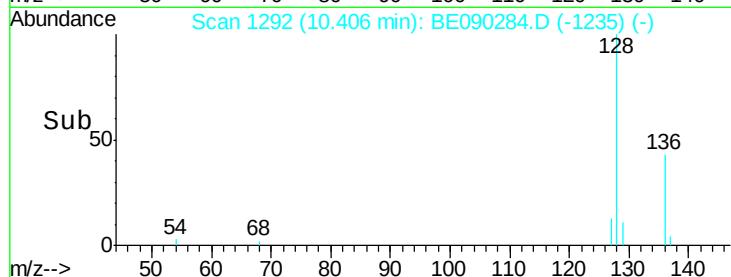
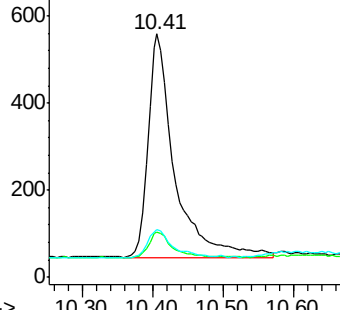
127 19.9 12.1 18.1#



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# 1629

Delta R.T. 0.00 min

Lab File: BE090284.D

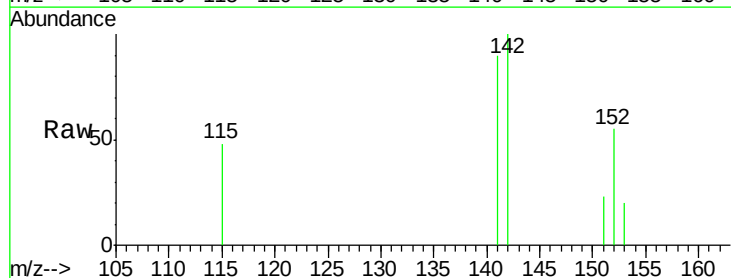
Acq: 29 Jul 2015 16:38

Tgt Ion:142 Resp: 750

Ion Ratio Lower Upper

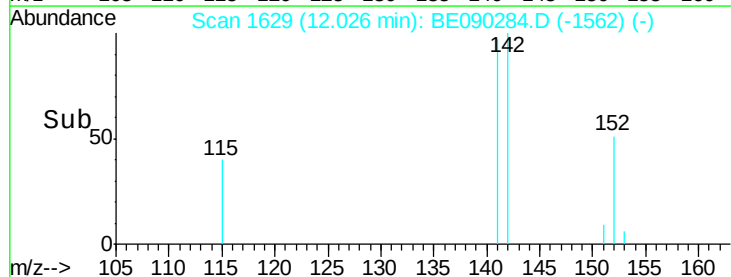
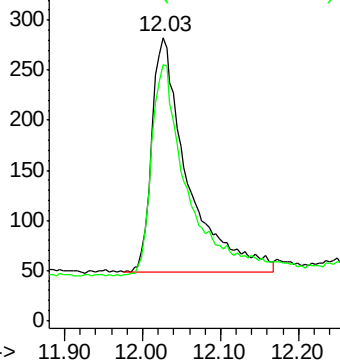
142 100

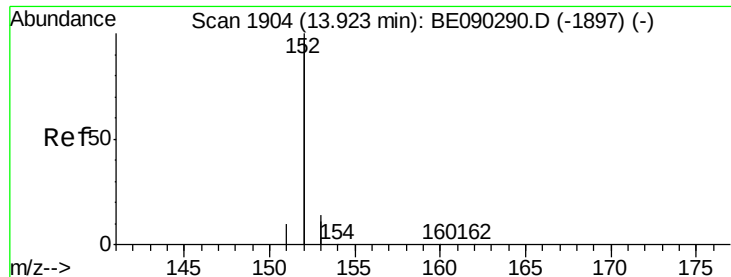
141 91.2 73.0 109.4



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: BE090284.D

Acq: 29 Jul 2015 16:38

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

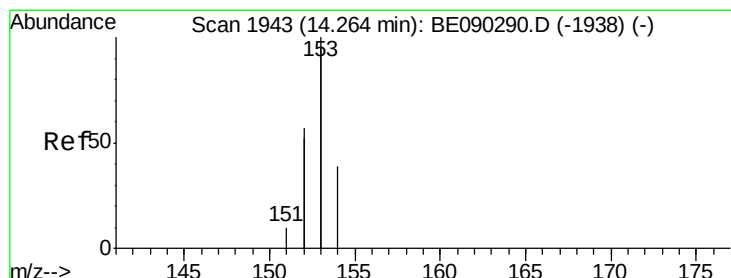
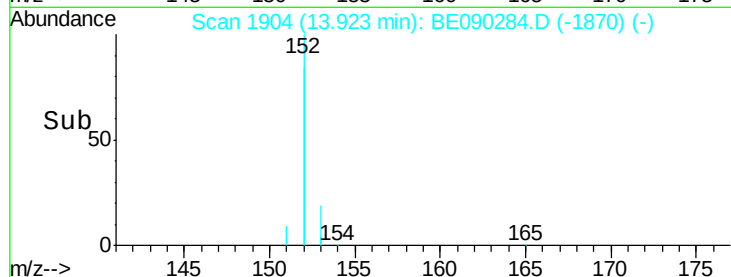
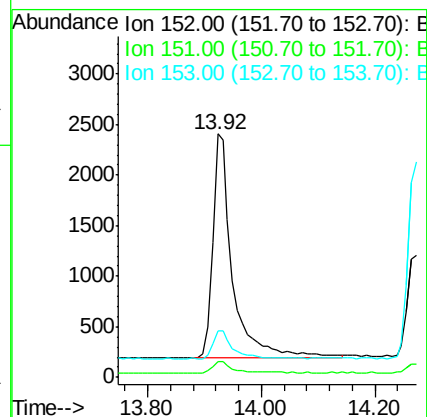
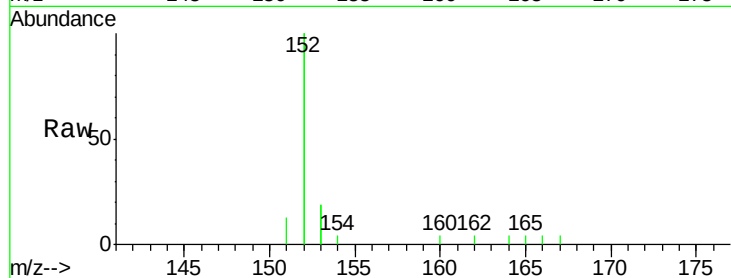
Tgt Ion:152 Resp: 5427

Ion Ratio Lower Upper

152 100

151 6.5 4.3 6.5#

153 19.2 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: BE090284.D

Acq: 29 Jul 2015 16:38

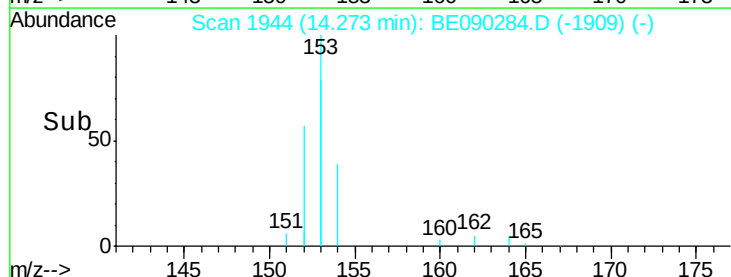
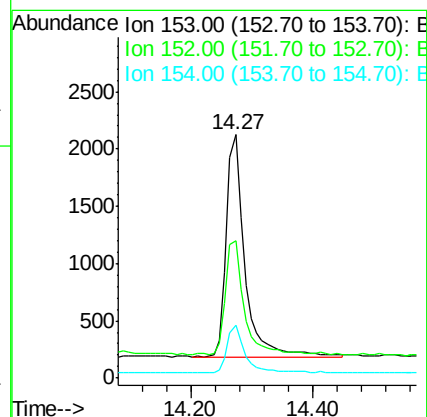
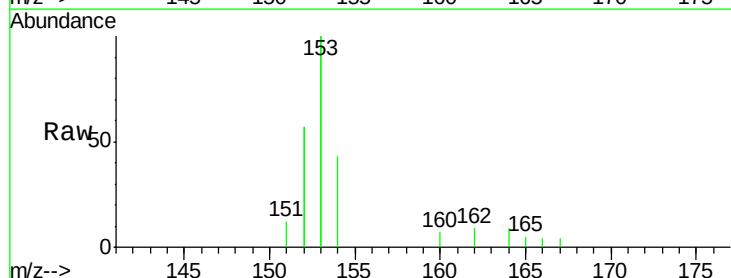
Tgt Ion:153 Resp: 4053

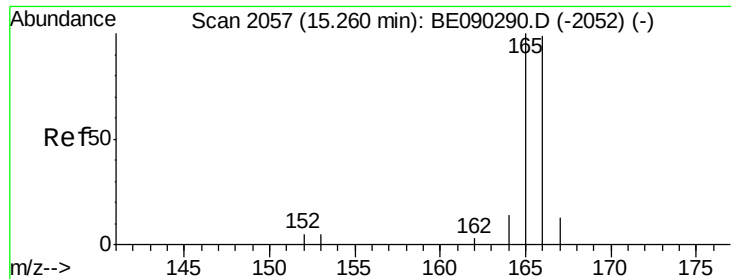
Ion Ratio Lower Upper

153 100

152 56.6 45.7 68.5

154 21.6 16.4 24.6





#9

Fluorene

Concen: 0.11 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BE090284.D

Acq: 29 Jul 2015 16:38

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

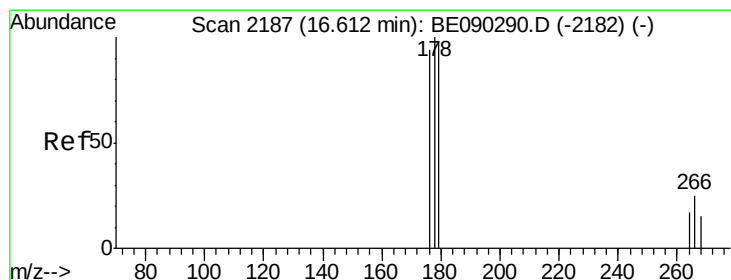
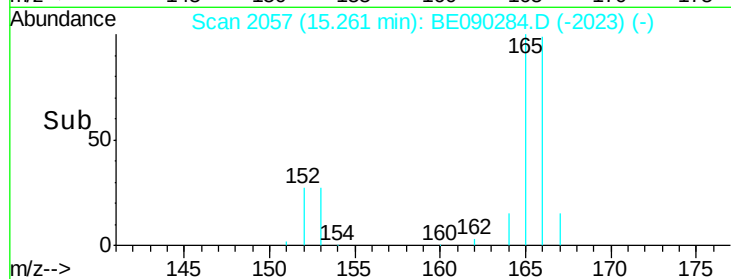
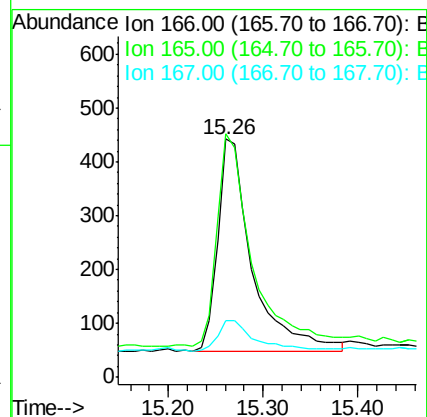
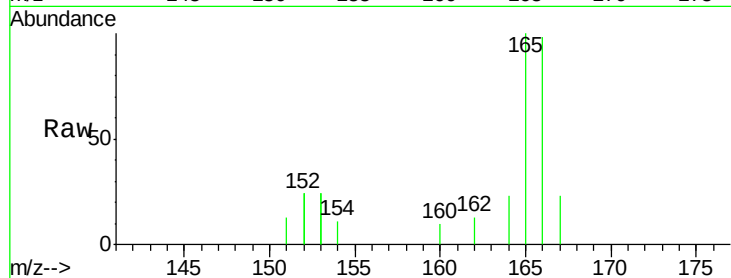
Tgt Ion:166 Resp: 1000

Ion Ratio Lower Upper

166 100

165 102.3 80.3 120.5

167 23.8 12.4 18.6#



#11

Pentachlorophenol

Concen: 0.14 ng/ul

RT: 16.62 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BE090284.D

Acq: 29 Jul 2015 16:38

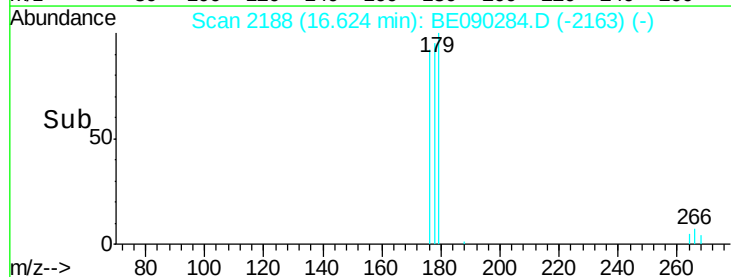
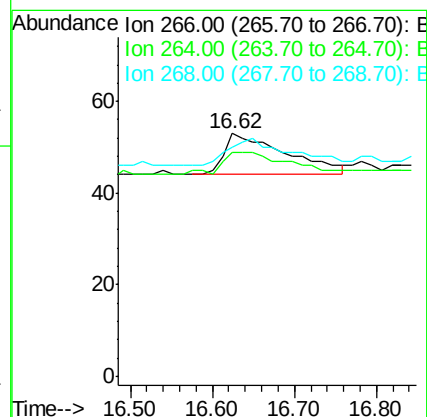
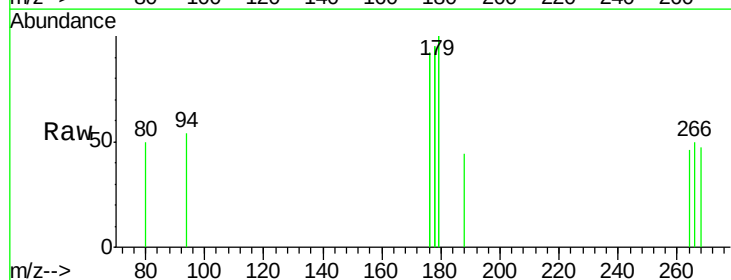
Tgt Ion:266 Resp: 47

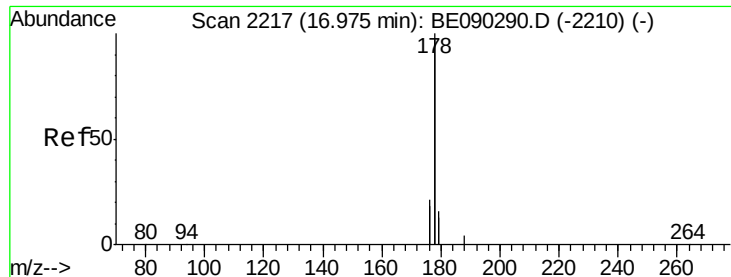
Ion Ratio Lower Upper

266 100

264 59.6 43.4 65.0

268 0.0 44.6 66.8#





#12

Phenanthrene

Concen: 0.11 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BE090284.D

Acq: 29 Jul 2015 16:38

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

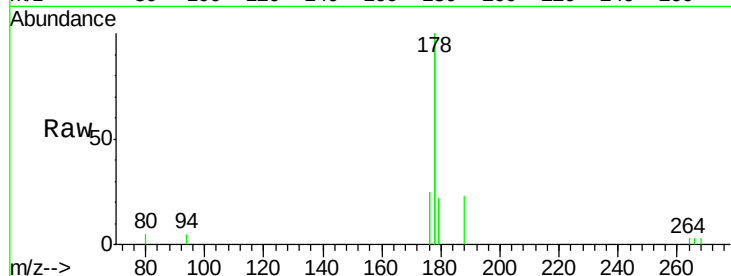
Tgt Ion:178 Resp: 6031

Ion Ratio Lower Upper

178 100

176 25.0 17.3 25.9

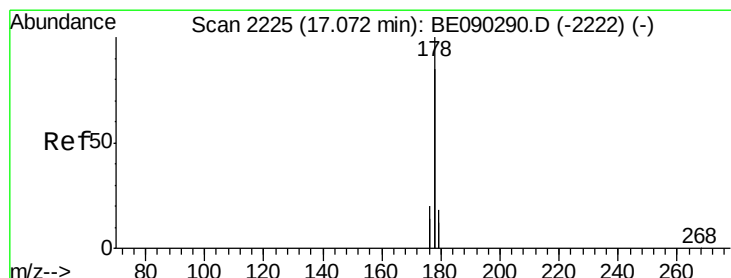
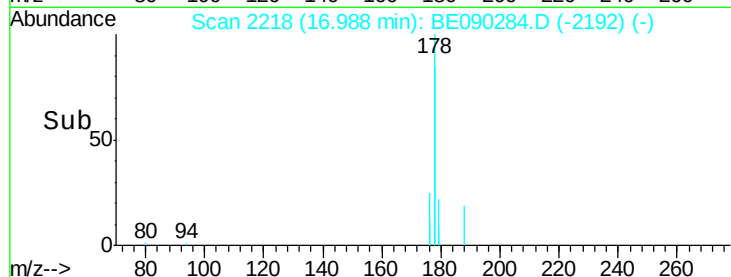
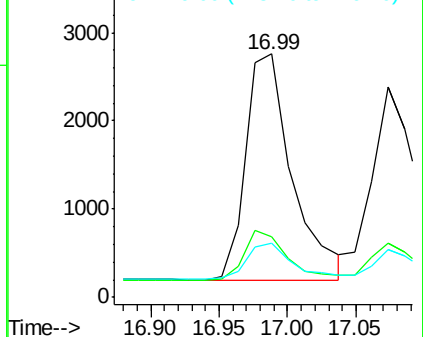
179 22.3 13.1 19.7#



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: BE090284.D

Acq: 29 Jul 2015 16:38

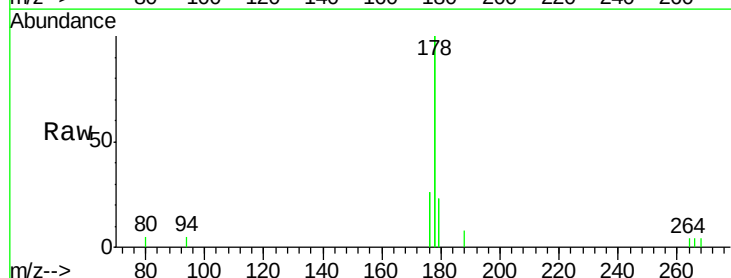
Tgt Ion:178 Resp: 6461

Ion Ratio Lower Upper

178 100

176 26.1 16.4 24.6#

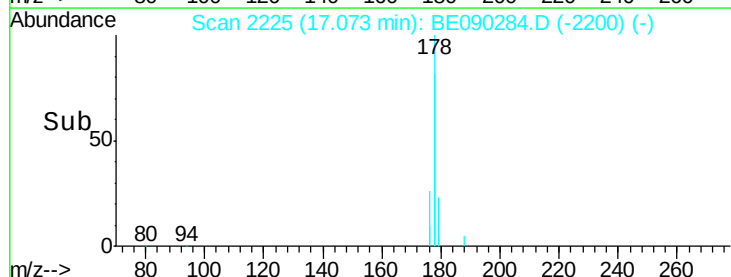
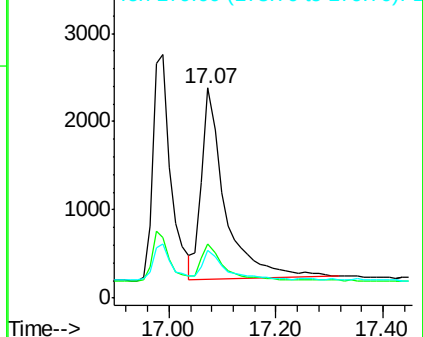
179 22.6 13.9 20.9#

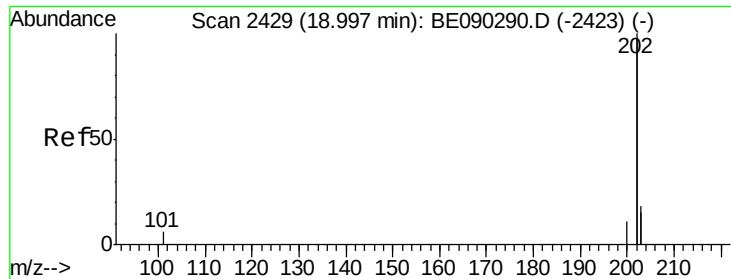


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.12 ng/ul

RT: 19.00 min Scan# 2429

Delta R.T. 0.00 min

Lab File: BE090284.D

Acq: 29 Jul 2015 16:38

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

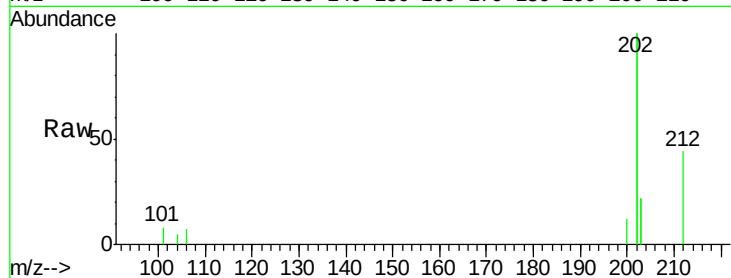
Tgt Ion:202 Resp: 7806

Ion Ratio Lower Upper

202 100

101 4.0 0.0 22.9

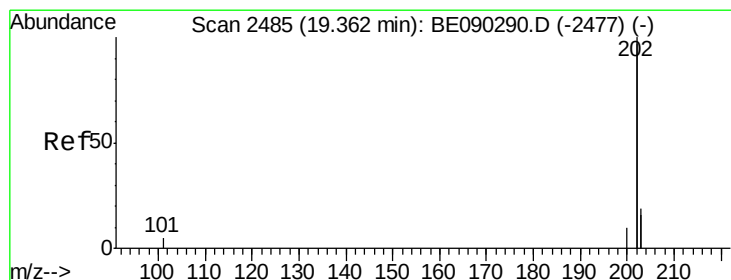
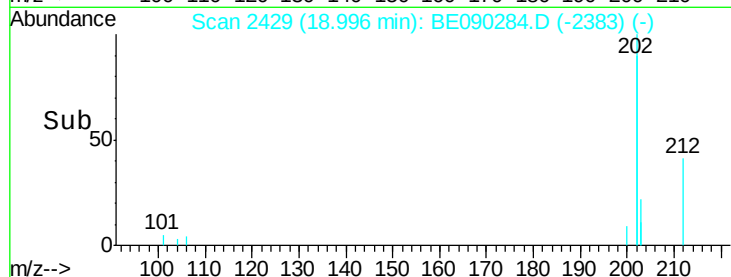
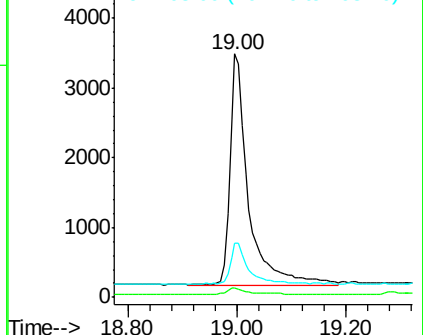
203 22.3 0.0 39.0



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: 0.12 ng/ul

RT: 19.36 min Scan# 2485

Delta R.T. 0.00 min

Lab File: BE090284.D

Acq: 29 Jul 2015 16:38

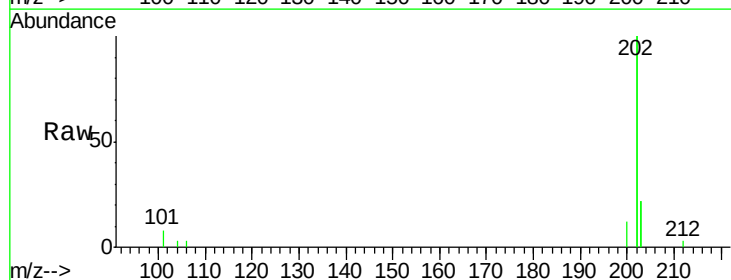
Tgt Ion:202 Resp: 7832

Ion Ratio Lower Upper

202 100

200 6.1 4.5 6.7

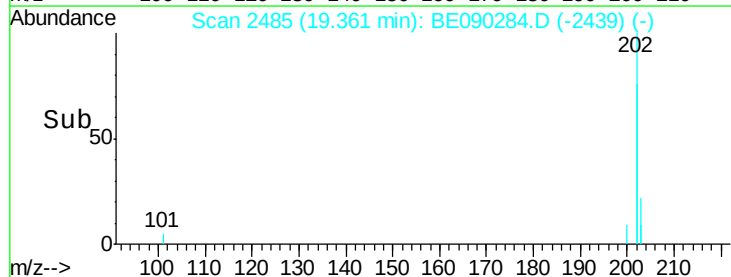
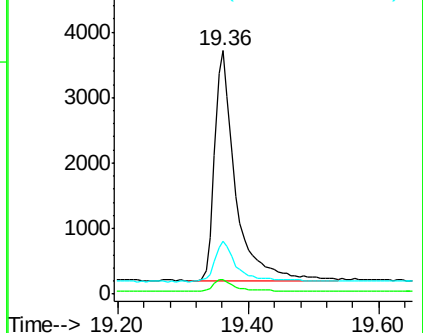
203 21.9 14.4 21.6#

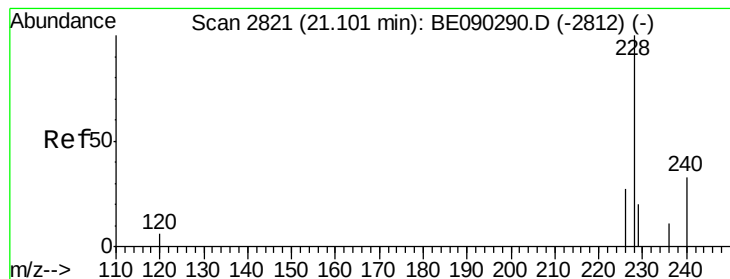


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.11 ng/ul

RT: 21.10 min Scan# 2821

Delta R.T. 0.00 min

Lab File: BE090284.D

Acq: 29 Jul 2015 16:38

Instrument :

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ClientSampleId :

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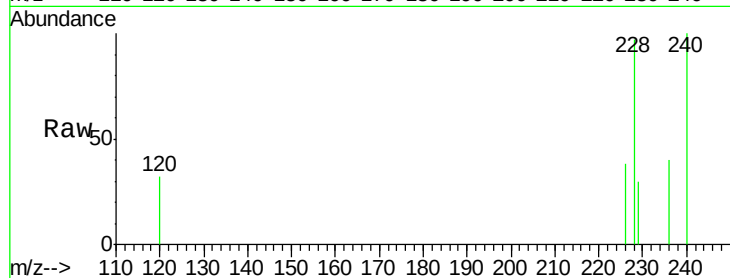
Tgt Ion:228 Resp: 548

Ion Ratio Lower Upper

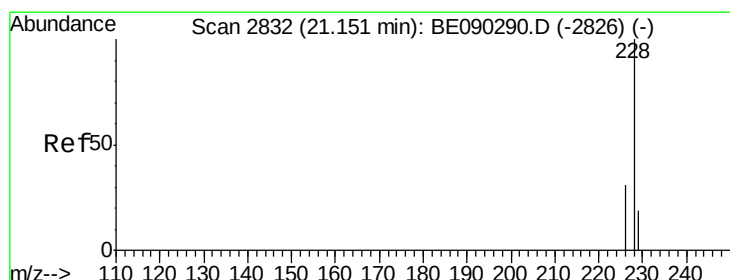
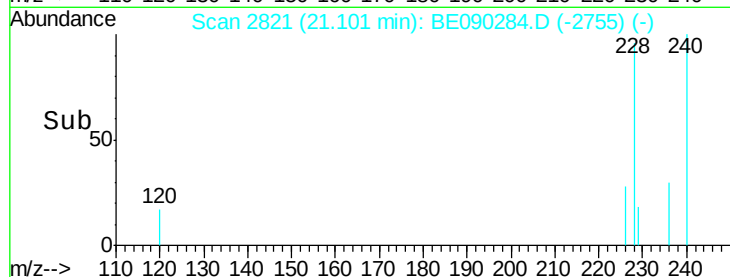
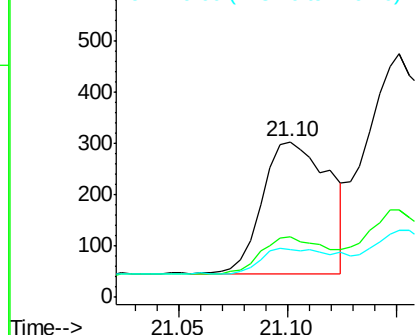
228 100

226 39.1 24.6 36.8#

229 30.6 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: 0.14 ng/ul m

RT: 21.15 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BE090284.D

Acq: 29 Jul 2015 16:38

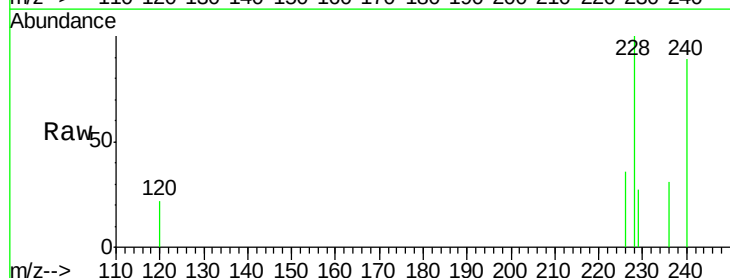
Tgt Ion:228 Resp: 2072

Ion Ratio Lower Upper

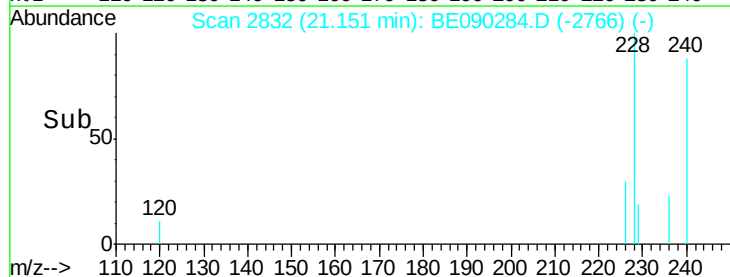
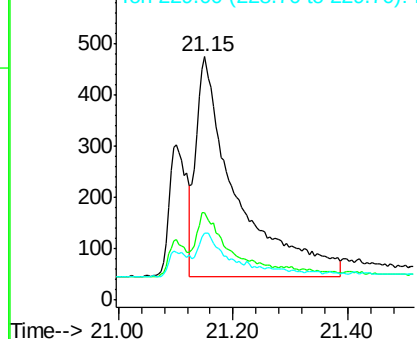
228 100

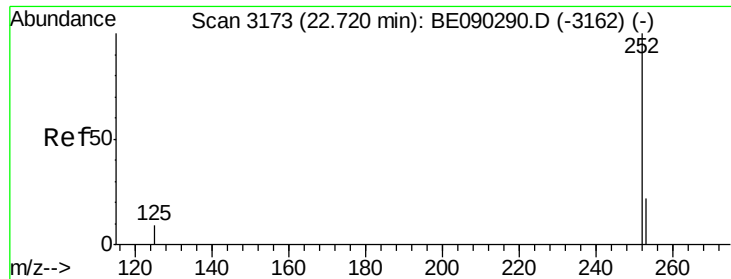
226 36.2 25.0 37.4

229 27.4 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: 0.13 ng/ul m

RT: 22.72 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE090284.D

Acq: 29 Jul 2015 16:38

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

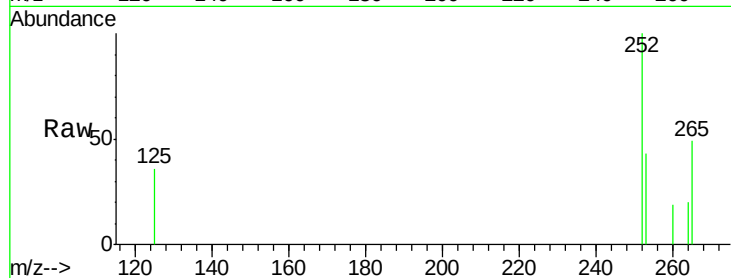
Tgt Ion:252 Resp: 423

Ion Ratio Lower Upper

252 100

253 43.2 0.0 57.2

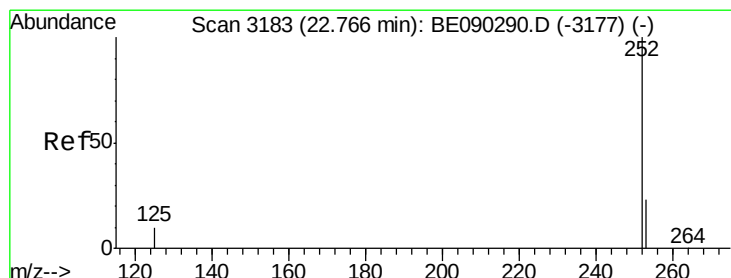
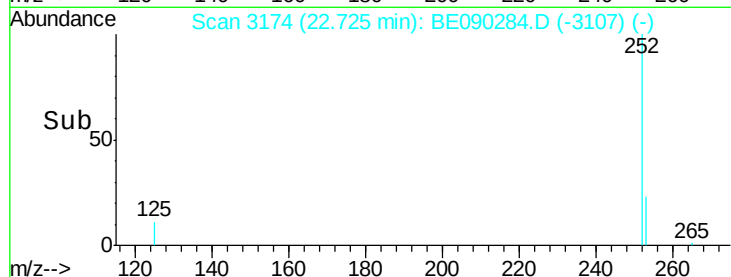
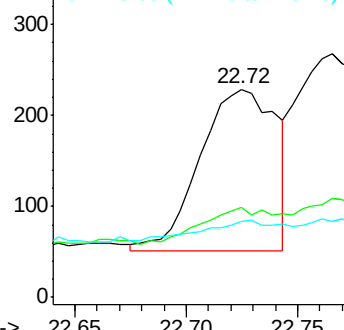
125 36.2 0.0 34.6#



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: 0.12 ng/ul m

RT: 22.77 min Scan# 3183

Delta R.T. -0.00 min

Lab File: BE090284.D

Acq: 29 Jul 2015 16:38

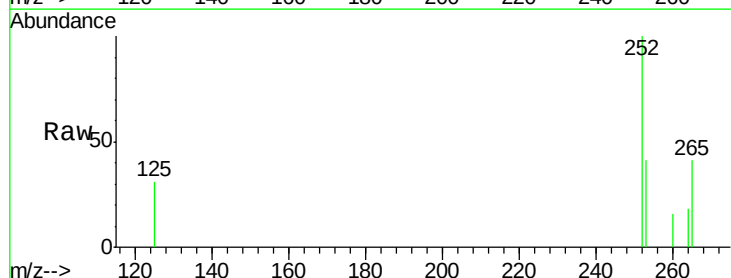
Tgt Ion:252 Resp: 1192

Ion Ratio Lower Upper

252 100

253 40.7 21.3 31.9#

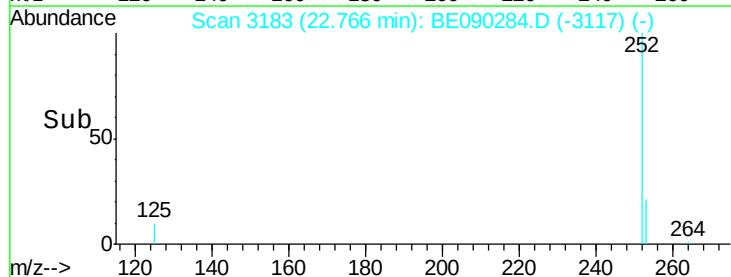
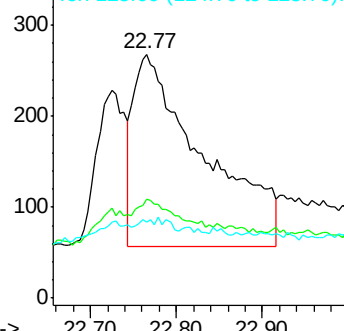
125 31.3 13.3 19.9#

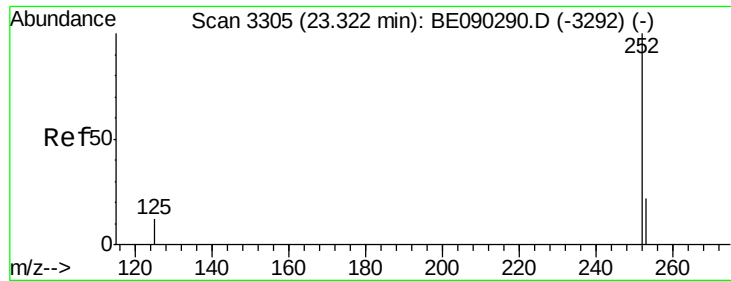


Abundance Ion 252.00 (251.70 to 252.70): E

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: BE090284.D

Acq: 29 Jul 2015 16:38

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

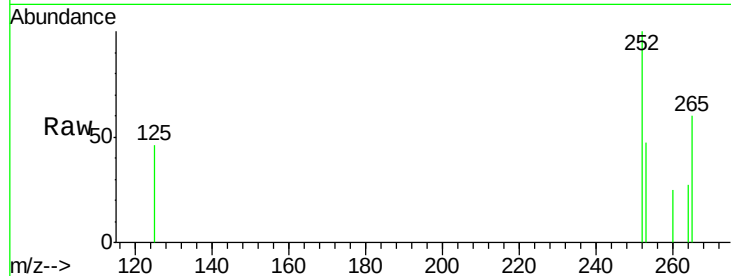
Tgt Ion: 252 Resp: 524

Ion Ratio Lower Upper

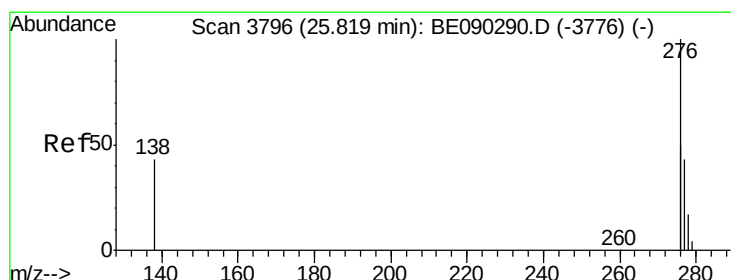
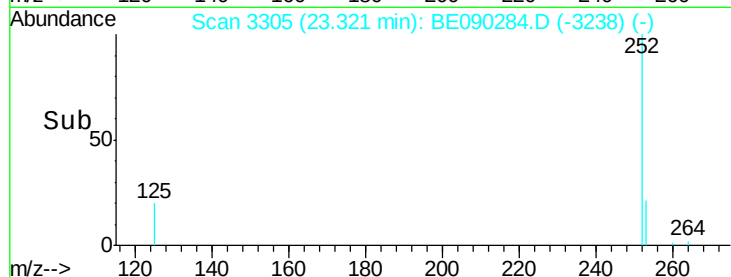
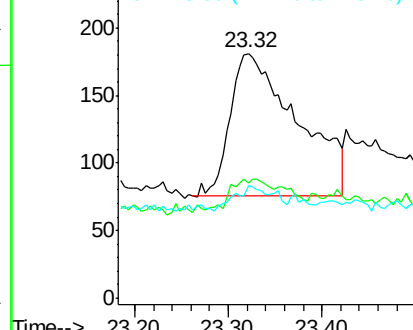
252 100

253 47.0 24.9 37.3#

125 45.9 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: 25.82 min Scan# 3796

Delta R.T. 0.01 min

Lab File: BE090284.D

Acq: 29 Jul 2015 16:38

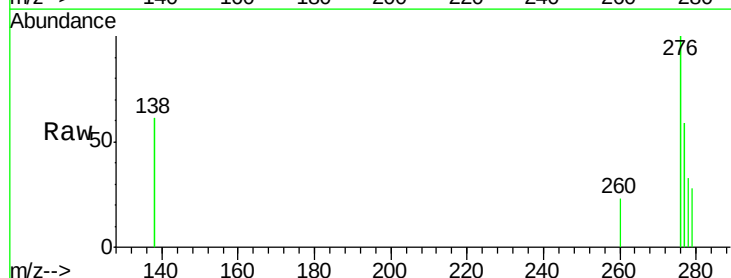
Tgt Ion: 276 Resp: 1261

Ion Ratio Lower Upper

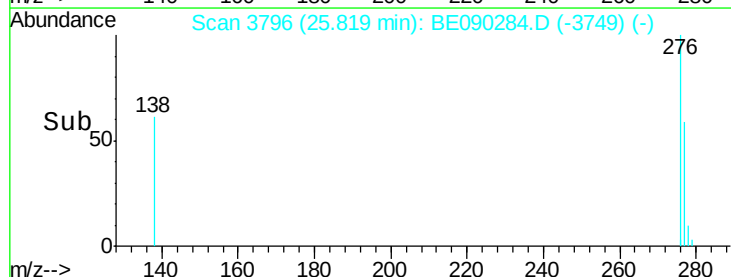
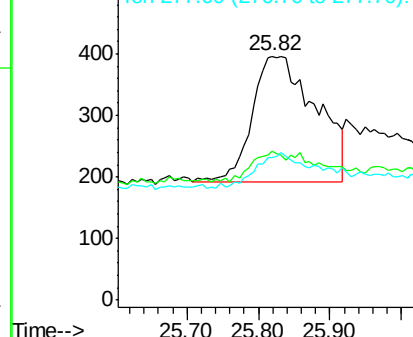
276 100

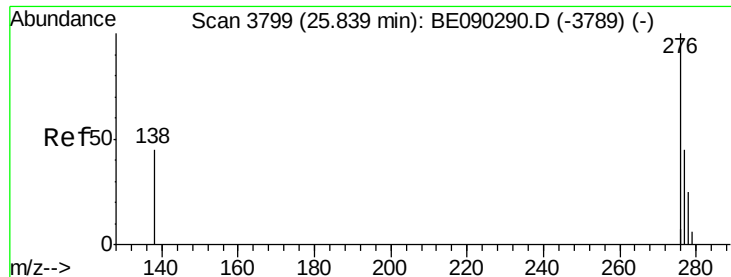
138 12.5 13.5 20.3#

277 19.6 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: 25.84 min Scan# 3799

Delta R.T. 0.00 min

Lab File: BE090284.D

Acq: 29 Jul 2015 16:38

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

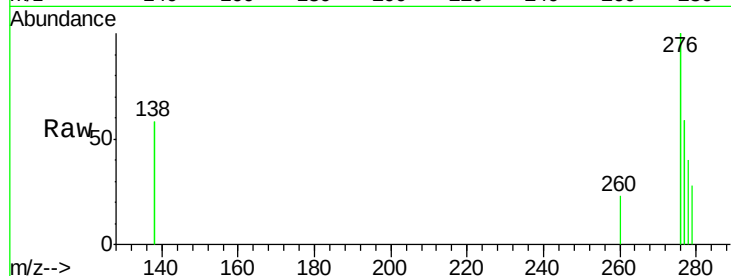
Tgt Ion: 278 Resp: 180

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

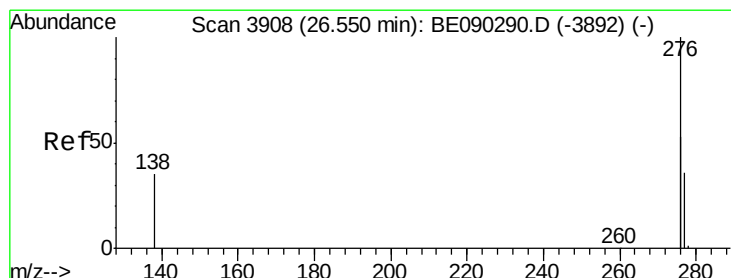
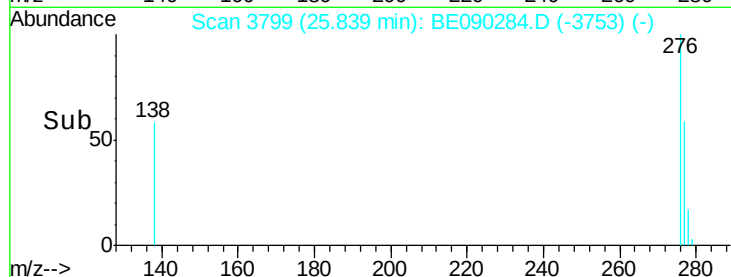
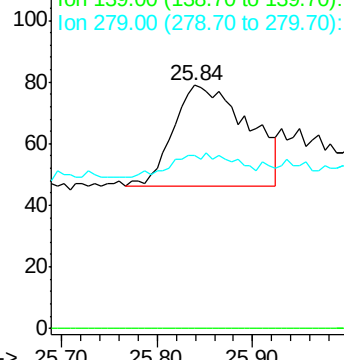
279 70.9 37.4 56.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.11 ng/ul

RT: 26.55 min Scan# 3908

Delta R.T. 0.01 min

Lab File: BE090284.D

Acq: 29 Jul 2015 16:38

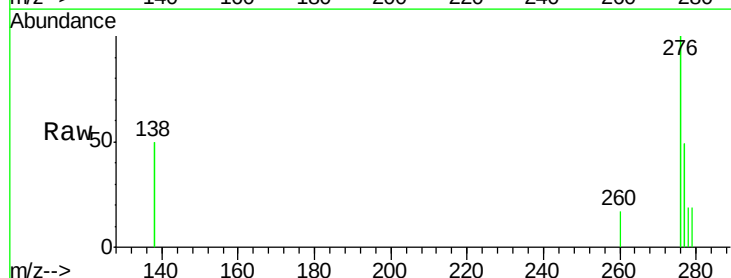
Tgt Ion: 276 Resp: 2192

Ion Ratio Lower Upper

276 100

277 48.9 25.5 38.3#

138 50.4 23.9 35.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

