

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072915\
 Data File : BE090285.D
 Acq On : 29 Jul 2015 17:14
 Operator : TP/IZ
 Sample : MDL-03-S
 Misc : MDL-SIM2.2-SOIL-0.15PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-03-S

Quant Time: Jul 30 02:20:41 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	1052	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	4216	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2610	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	6079	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	3857	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	2560	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.95	152	2572	0.40	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	6425	0.38	ng/ul	0.00

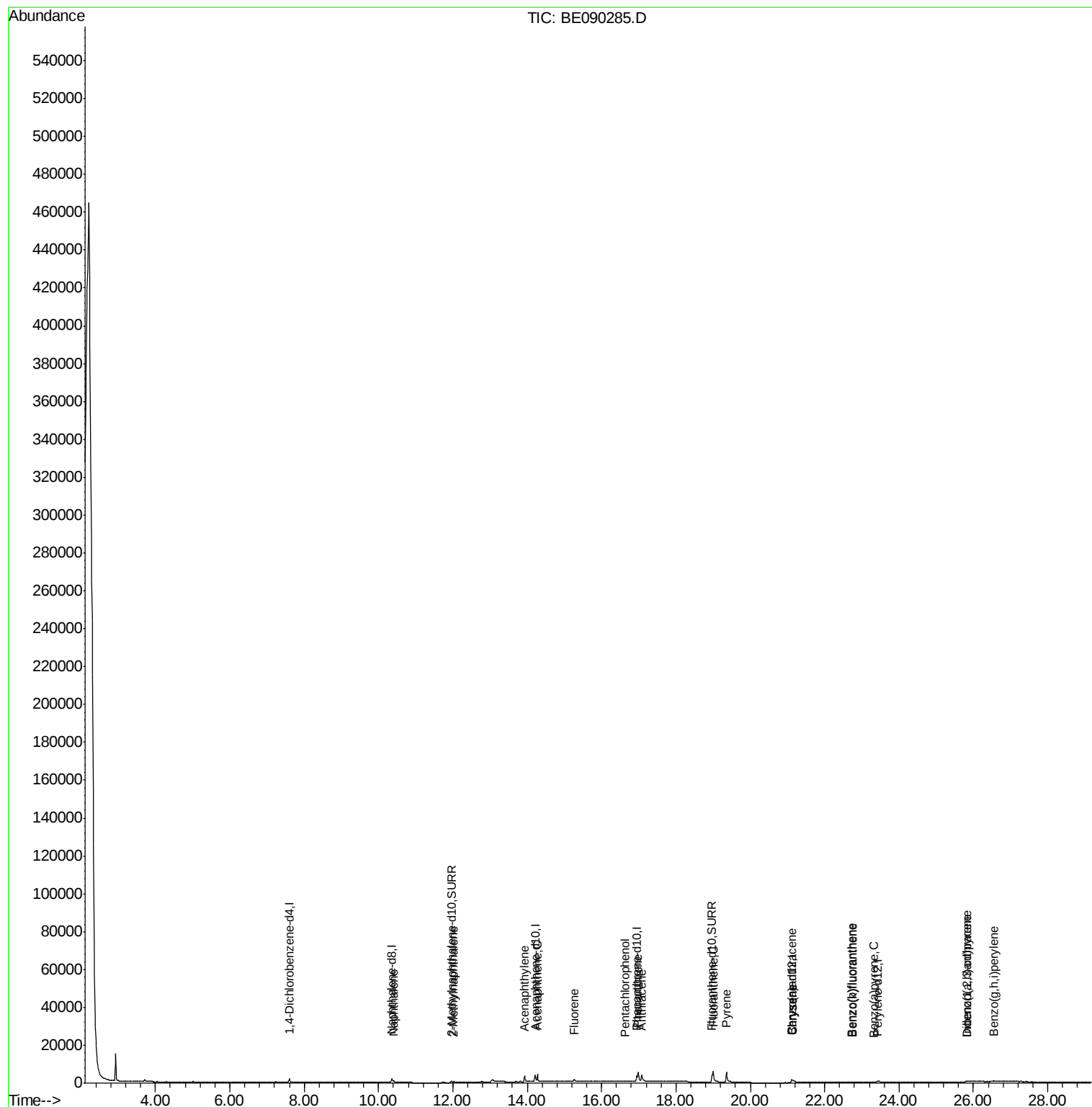
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.41	128	1310	0.12	ng/ul#	87
5) 2-Methylnaphthalene	12.03	142	731	0.10	ng/ul	95
7) Acenaphthylene	13.93	152	5865	0.11	ng/ul#	91
8) Acenaphthene	14.27	153	4431	0.11	ng/ul	99
9) Fluorene	15.26	166	1167	0.11	ng/ul#	91
11) Pentachlorophenol	16.64	266	42	0.11	ng/ul#	59
12) Phenanthrene	16.98	178	6993	0.11	ng/ul	93
13) Anthracene	17.07	178	7254	0.11	ng/ul#	91
15) Fluoranthene	19.00	202	8797	0.12	ng/ul	97
17) Pyrene	19.36	202	9188	0.13	ng/ul	96
18) Benzo(a)anthracene	21.10	228	683m	0.12	ng/ul	
19) Chrysene	21.15	228	2344m	0.14	ng/ul	
21) Benzo(b)fluoranthene	22.72	252	429	0.11	ng/ul	70
22) Benzo(k)fluoranthene	22.76	252	1623m	0.13	ng/ul	
23) Benzo(a)pyrene	23.32	252	468	0.09	ng/ul#	65
24) Indeno(1,2,3-cd)pyrene	25.83	276	1374	0.08	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.85	278	209	0.11	ng/ul#	67
26) Benzo(g,h,i)perylene	26.55	276	2422	0.11	ng/ul#	72

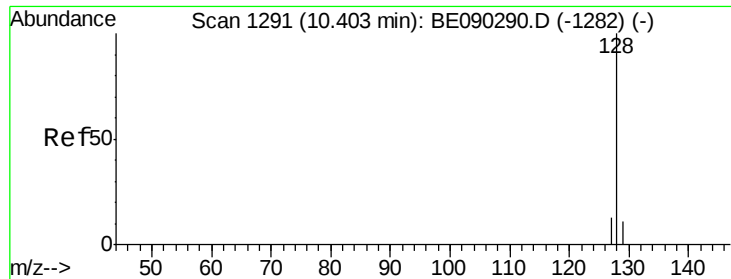
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 30 01:55:31 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: BE090285.D

Acq: 29 Jul 2015 17:14

Instrument :

BNA_E

ClientSampleId :

MDL-03-S

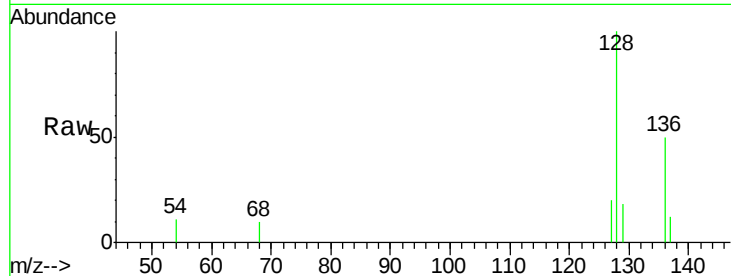
Tgt Ion:128 Resp: 1310

Ion Ratio Lower Upper

128 100

129 18.2 10.4 15.6#

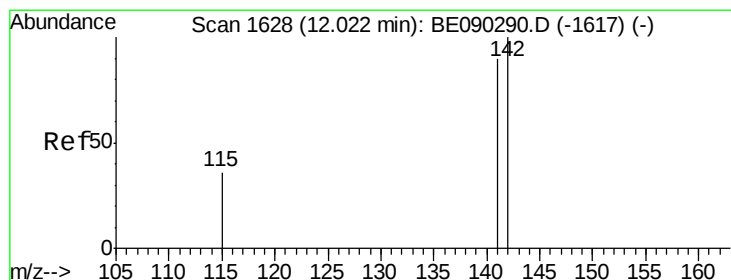
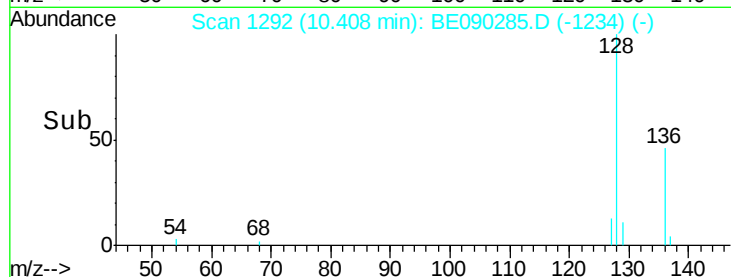
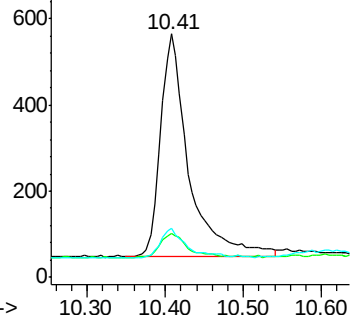
127 20.2 12.1 18.1#



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: 0.10 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. 0.01 min

Lab File: BE090285.D

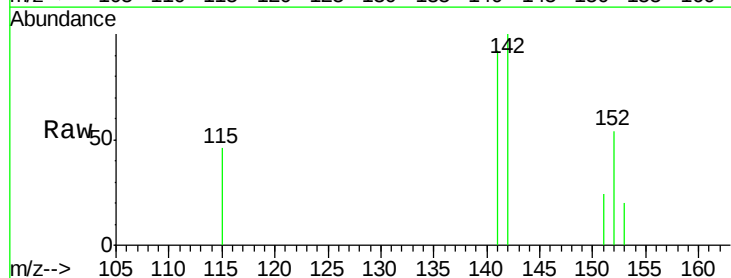
Acq: 29 Jul 2015 17:14

Tgt Ion:142 Resp: 731

Ion Ratio Lower Upper

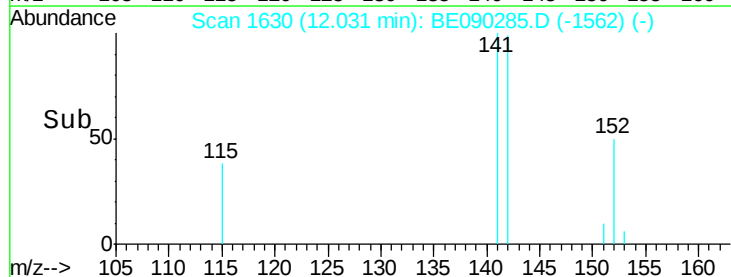
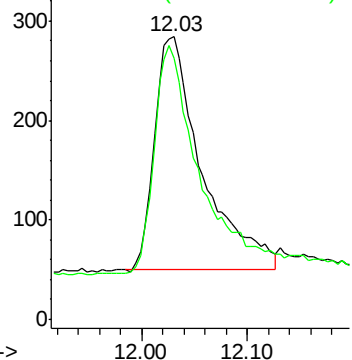
142 100

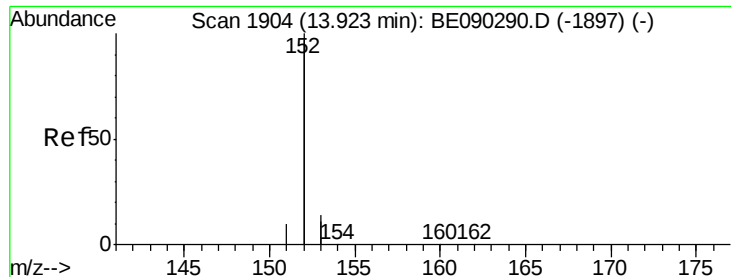
141 96.2 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.11 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.01 min

Lab File: BE090285.D

Acq: 29 Jul 2015 17:14

Instrument :

BNA_E

ClientSampleId :

MDL-03-S

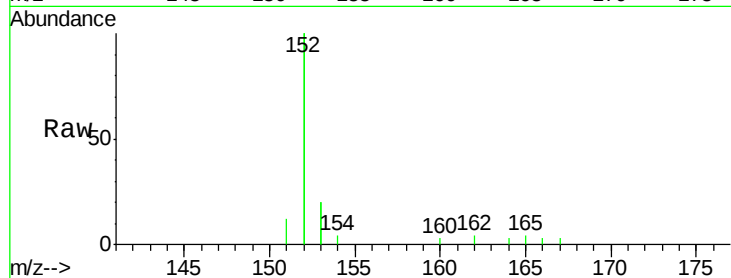
Tgt Ion:152 Resp: 5865

Ion Ratio Lower Upper

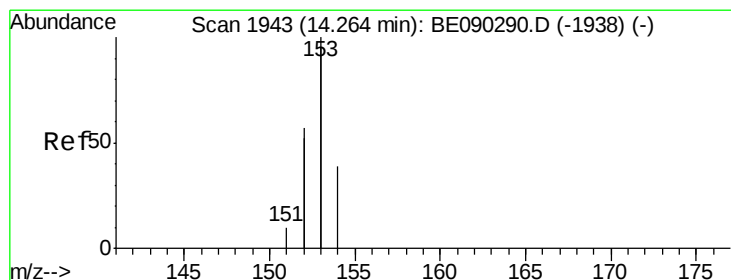
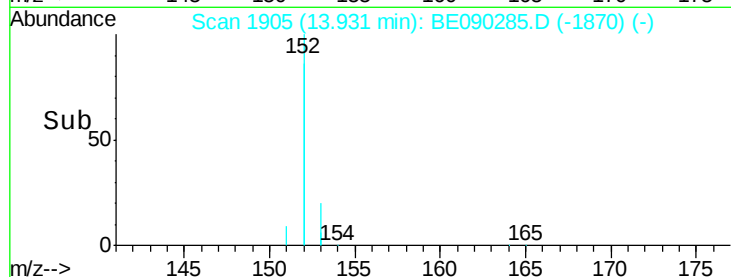
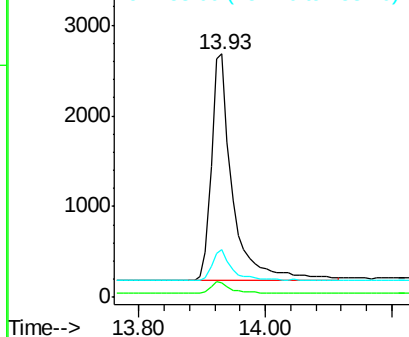
152 100

151 6.1 4.3 6.5

153 19.5 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: 0.11 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.01 min

Lab File: BE090285.D

Acq: 29 Jul 2015 17:14

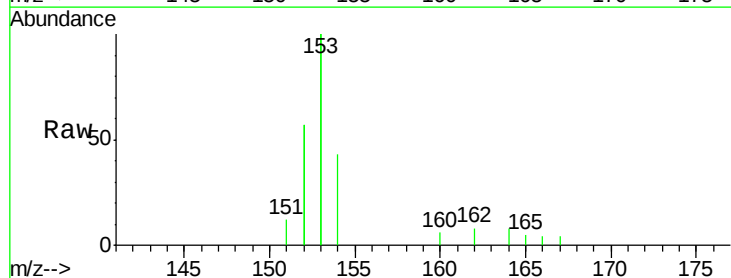
Tgt Ion:153 Resp: 4431

Ion Ratio Lower Upper

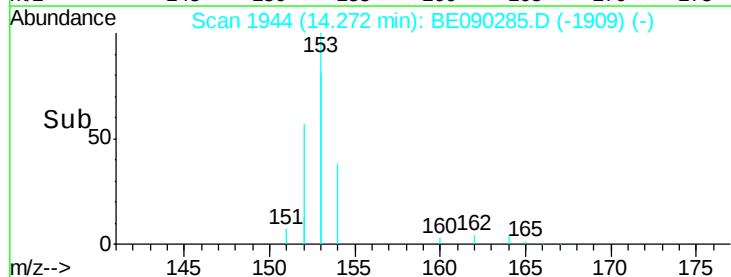
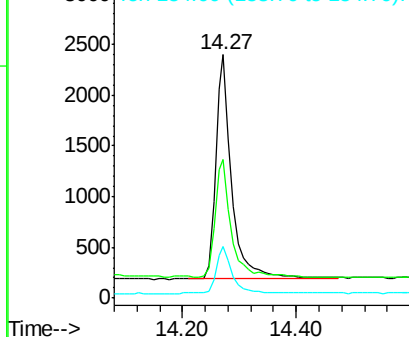
153 100

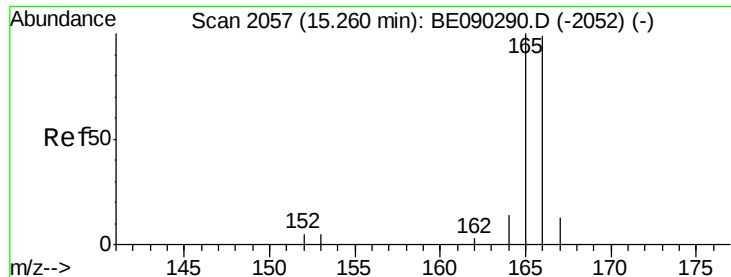
152 56.7 45.7 68.5

154 21.3 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: 0.11 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE090285.D

Acq: 29 Jul 2015 17:14

Instrument :

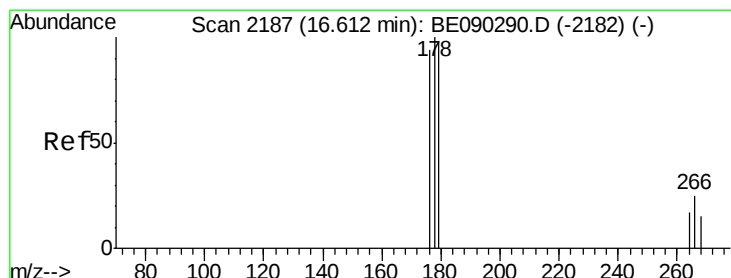
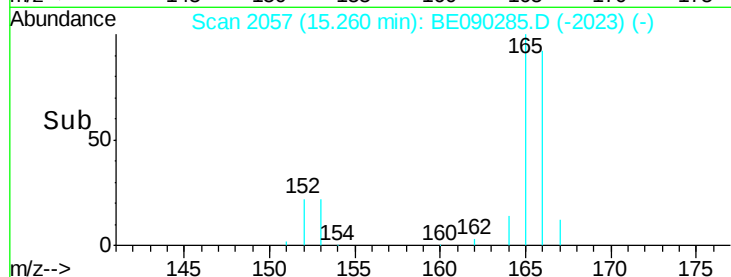
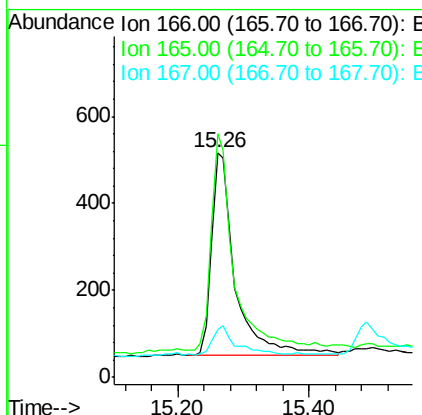
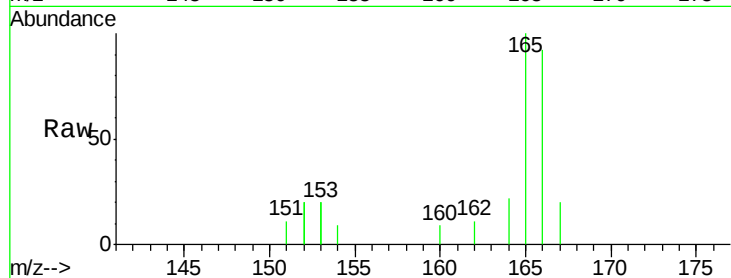
BNA_E

ClientSampleId :

MDL-03-S

Tgt Ion:166 Resp: 1167

Ion	Ratio	Lower	Upper
166	100		
165	108.3	80.3	120.5
167	21.3	12.4	18.6#



#11

Pentachlorophenol

Concen: 0.11 ng/ul

RT: 16.64 min Scan# 2189

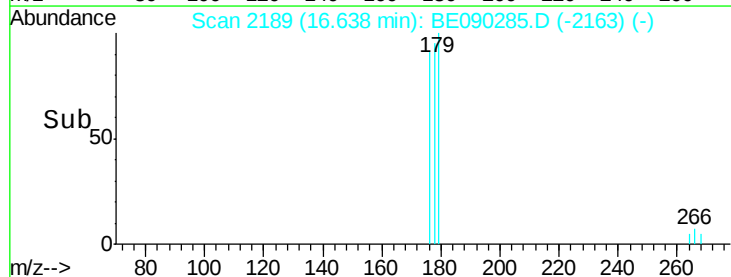
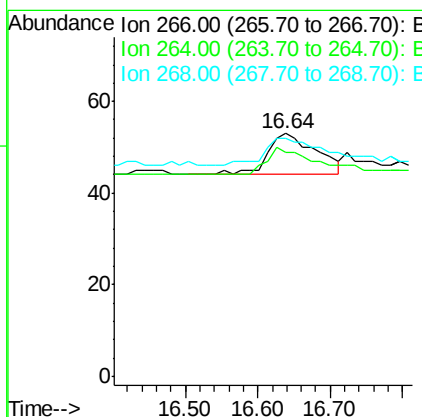
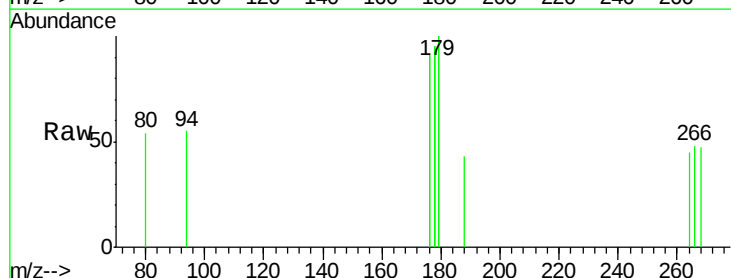
Delta R.T. 0.01 min

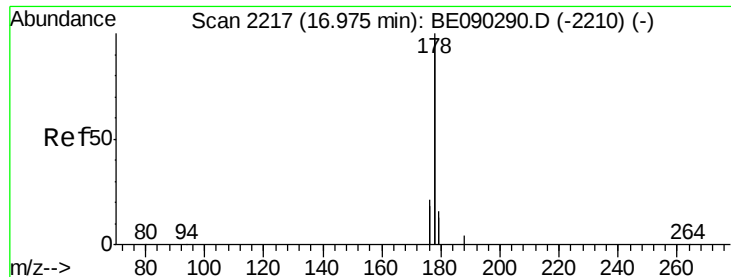
Lab File: BE090285.D

Acq: 29 Jul 2015 17:14

Tgt Ion:266 Resp: 42

Ion	Ratio	Lower	Upper
266	100		
264	71.4	43.4	65.0#
268	97.6	44.6	66.8#





#12

Phenanthrene

Concen: 0.11 ng/ul

RT: 16.98 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BE090285.D

Acq: 29 Jul 2015 17:14

Instrument :

BNA_E

ClientSampleId :

MDL-03-S

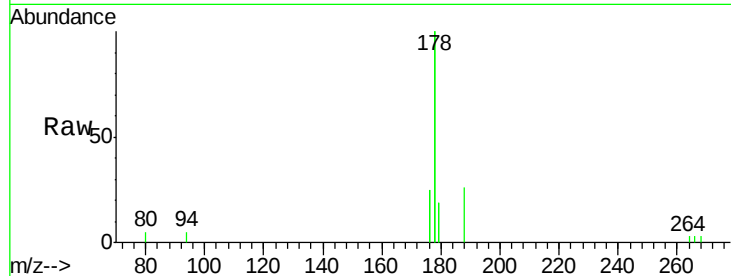
Tgt Ion:178 Resp: 6993

Ion Ratio Lower Upper

178 100

176 24.8 17.3 25.9

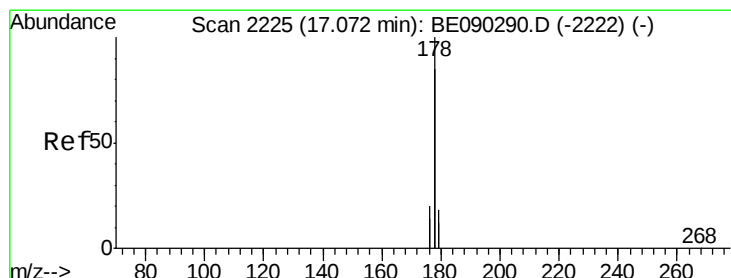
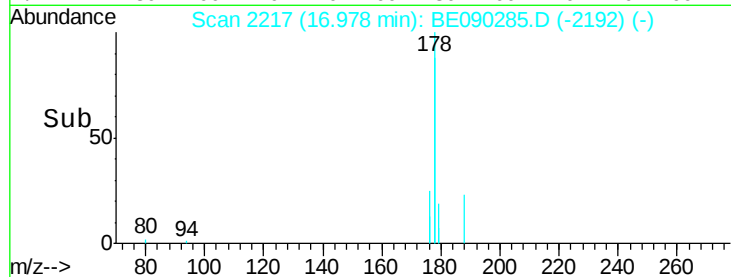
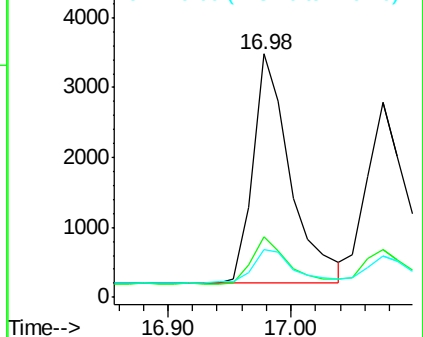
179 19.5 13.1 19.7



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: 0.11 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE090285.D

Acq: 29 Jul 2015 17:14

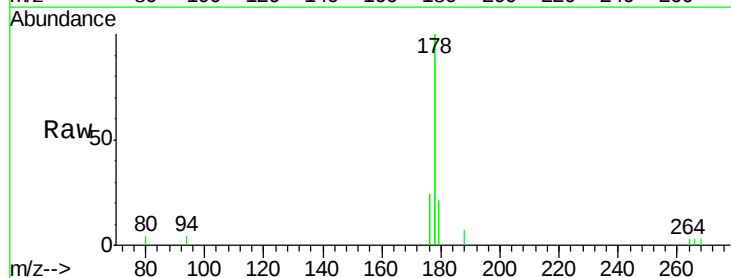
Tgt Ion:178 Resp: 7254

Ion Ratio Lower Upper

178 100

176 24.3 16.4 24.6

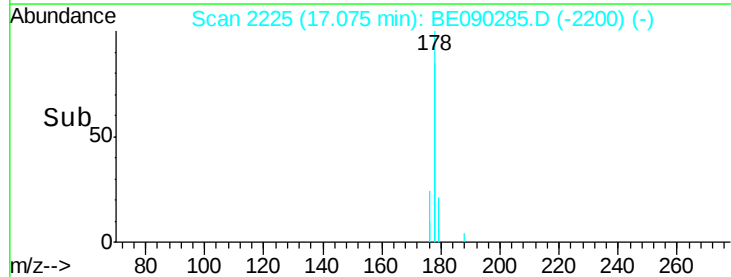
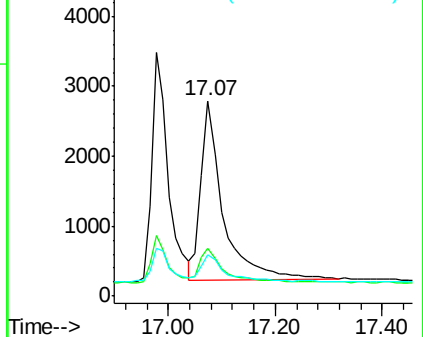
179 21.4 13.9 20.9#

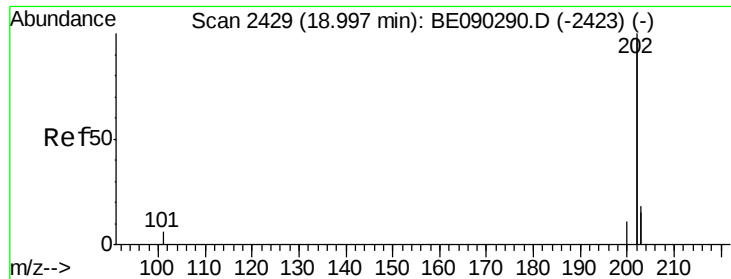


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.12 ng/ul

RT: 19.00 min Scan# 2429

Delta R.T. 0.00 min

Lab File: BE090285.D

Acq: 29 Jul 2015 17:14

Instrument :

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ClientSampleId :

MDL-03-S

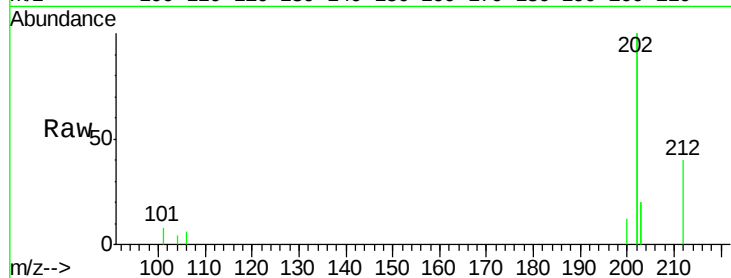
Tgt Ion:202 Resp: 8797

Ion Ratio Lower Upper

202 100

101 3.8 0.0 22.9

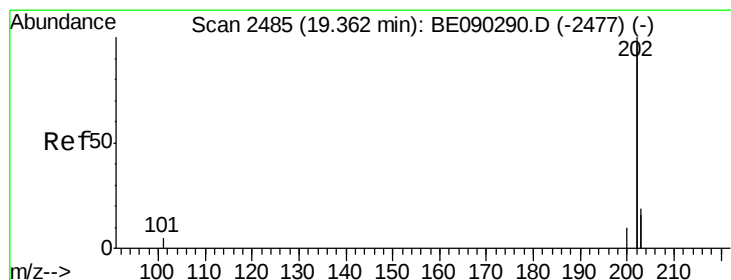
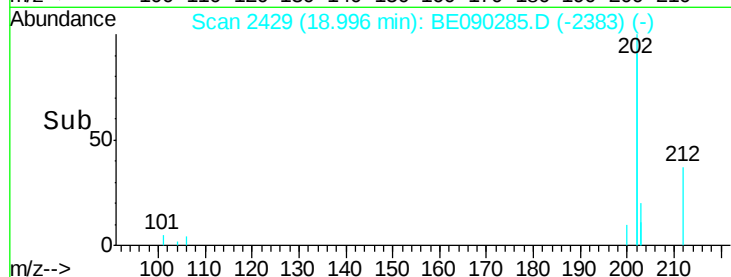
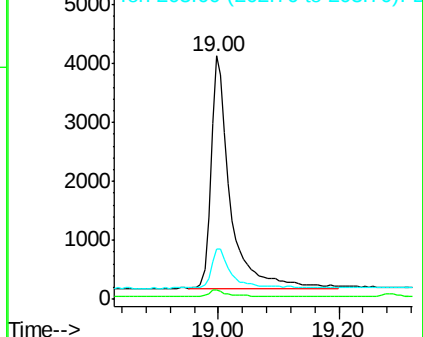
203 20.4 0.0 39.0



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: 0.13 ng/ul

RT: 19.36 min Scan# 2485

Delta R.T. 0.00 min

Lab File: BE090285.D

Acq: 29 Jul 2015 17:14

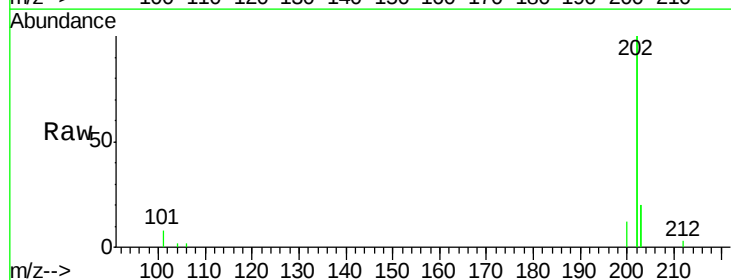
Tgt Ion:202 Resp: 9188

Ion Ratio Lower Upper

202 100

200 6.2 4.5 6.7

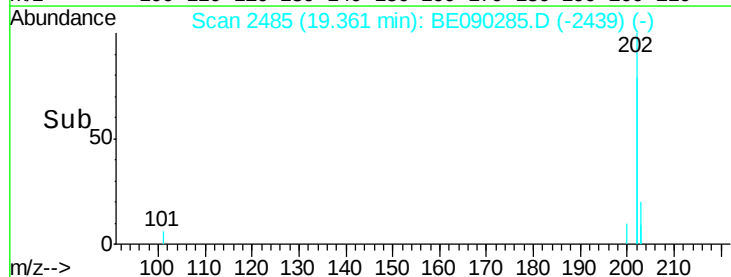
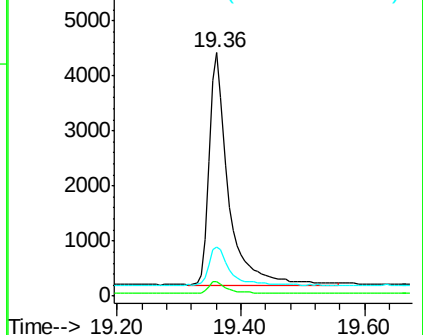
203 20.2 14.4 21.6

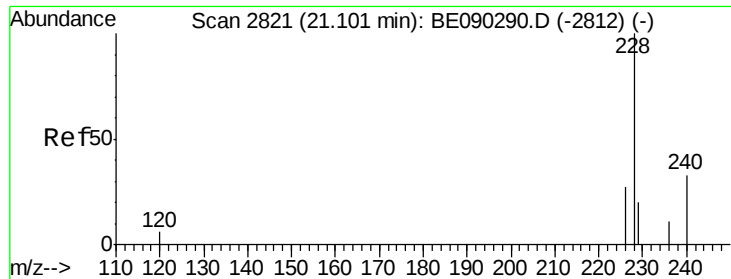


Abundance Ion 202.00 (201.70 to 202.70): E

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 m

RT: 21.10 min Scan# 2821

Delta R.T. -0.00 min

Lab File: BE090285.D

Acq: 29 Jul 2015 17:14

Instrument :

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ClientSampleId :

MDL-03-S

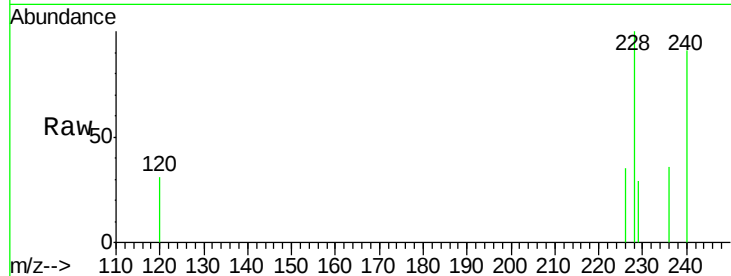
Tgt Ion:228 Resp: 683

Ion Ratio Lower Upper

228 100

226 34.8 24.6 36.8

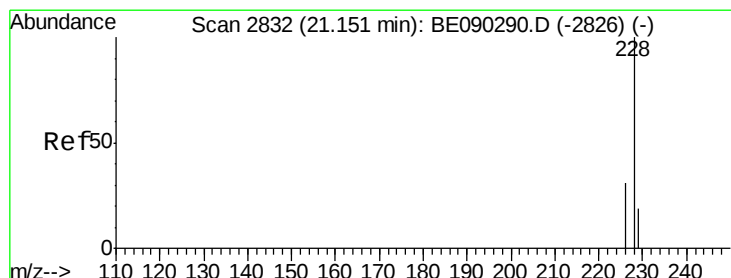
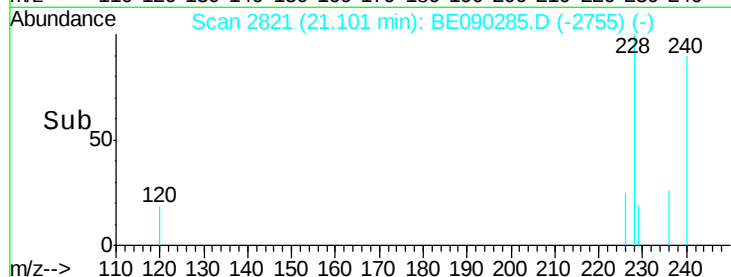
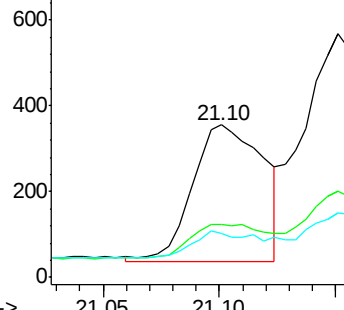
229 28.9 17.9 26.9#



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: BE090285.D

Acq: 29 Jul 2015 17:14

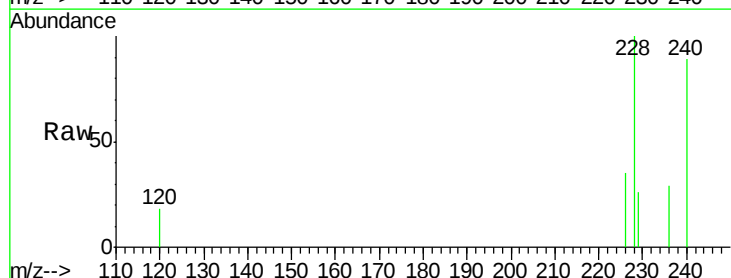
Tgt Ion:228 Resp: 2344

Ion Ratio Lower Upper

228 100

226 35.2 25.0 37.4

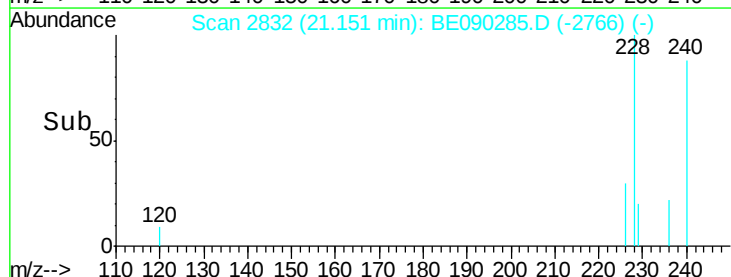
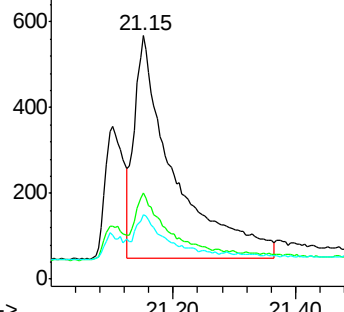
229 26.4 16.6 24.8#

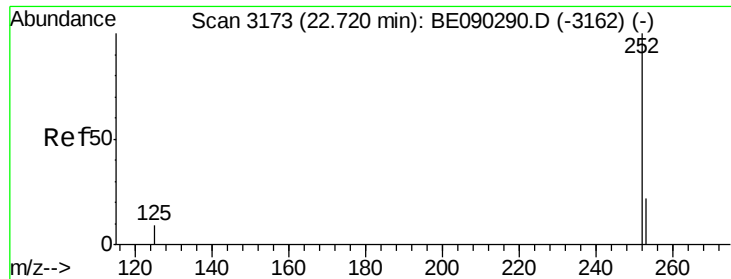


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.11 ng/ul

RT: 22.72 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE090285.D

Acq: 29 Jul 2015 17:14

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MDL-03-S

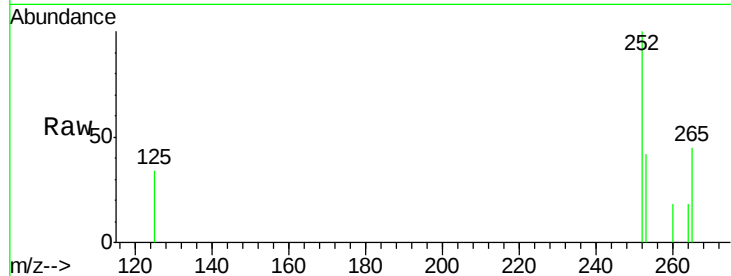
Tgt Ion:252 Resp: 429

Ion Ratio Lower Upper

252 100

253 41.5 0.0 57.2

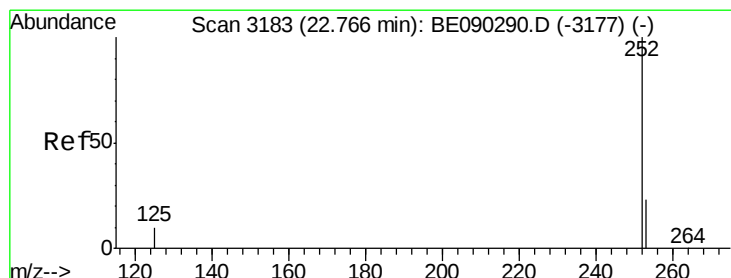
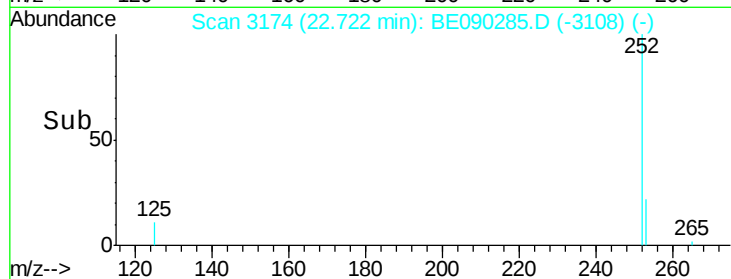
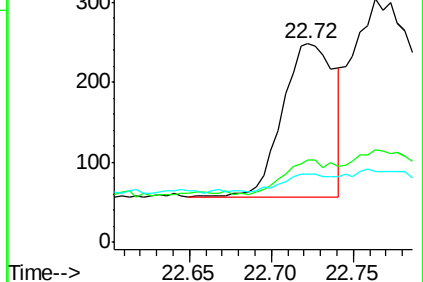
125 34.3 0.0 34.6



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: BE090285.D

Acq: 29 Jul 2015 17:14

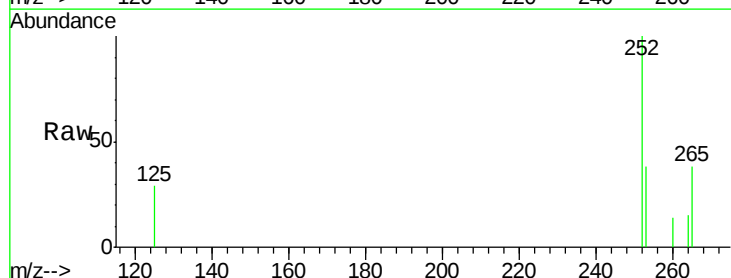
Tgt Ion:252 Resp: 1623

Ion Ratio Lower Upper

252 100

253 37.8 21.3 31.9#

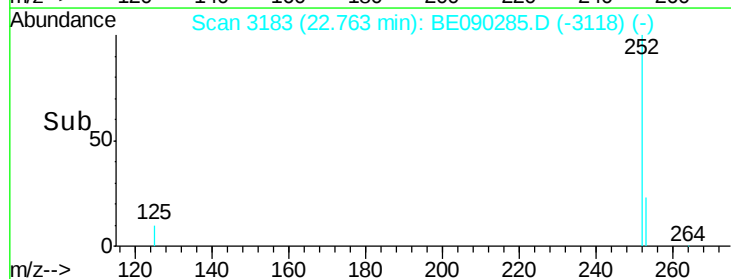
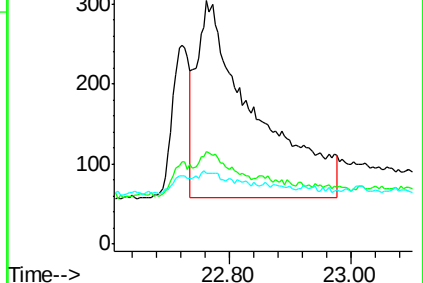
125 29.3 13.3 19.9#

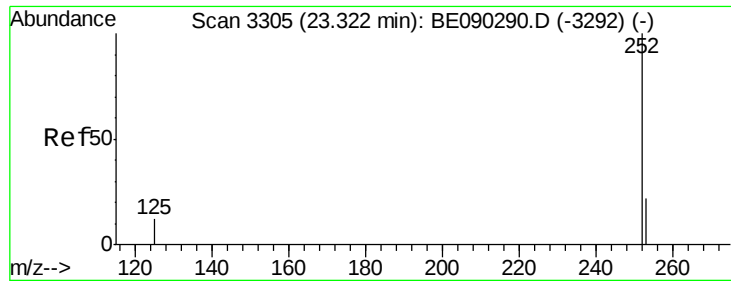


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.09 ng/ul

RT: 23.32 min Scan# 3305

Delta R.T. 0.00 min

Lab File: BE090285.D

Acq: 29 Jul 2015 17:14

Instrument :

BNA_E

ClientSampleId :

MDL-03-S

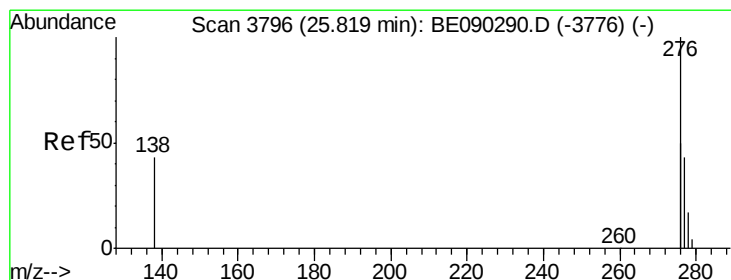
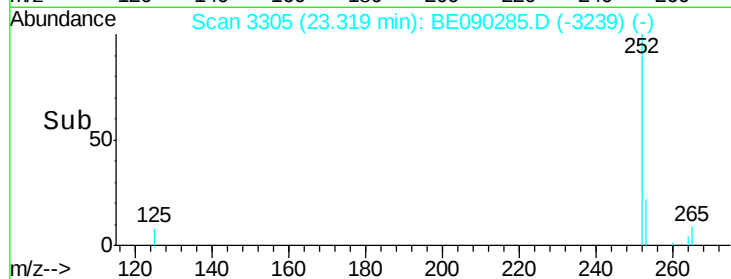
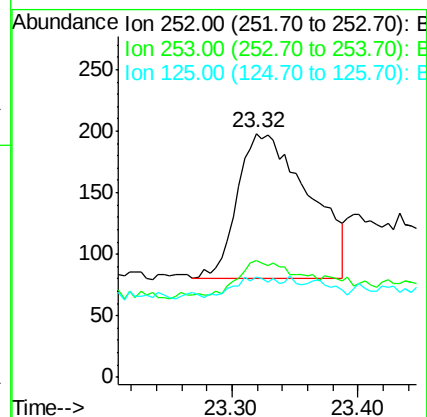
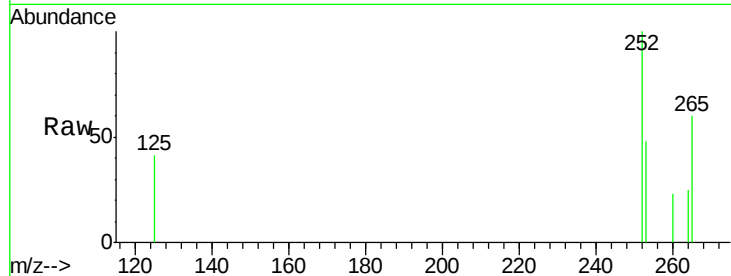
Tgt Ion:252 Resp: 468

Ion Ratio Lower Upper

252 100

253 48.0 24.9 37.3#

125 40.9 17.5 26.3#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.08 ng/ul

RT: 25.83 min Scan# 3798

Delta R.T. 0.01 min

Lab File: BE090285.D

Acq: 29 Jul 2015 17:14

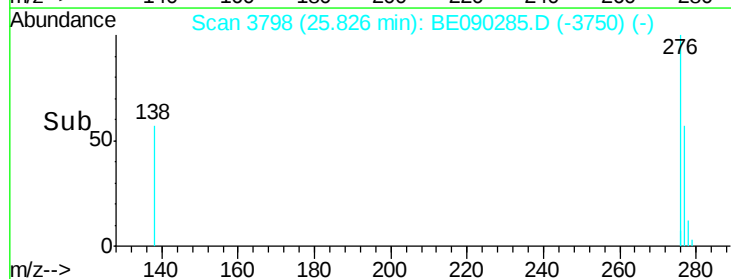
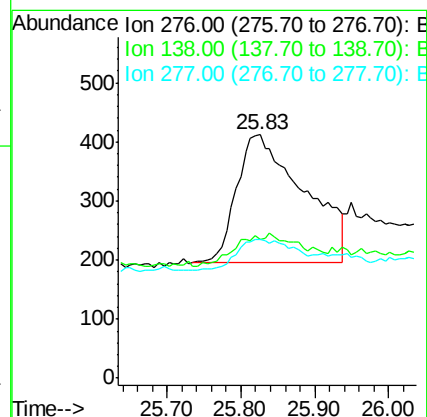
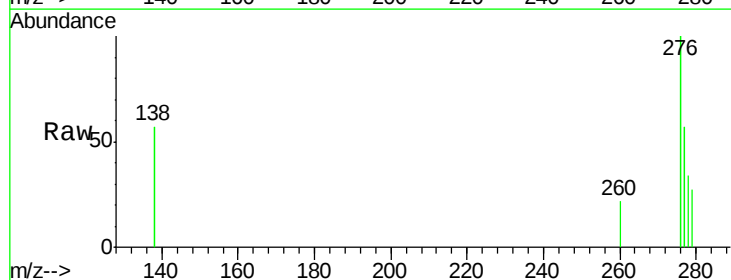
Tgt Ion:276 Resp: 1374

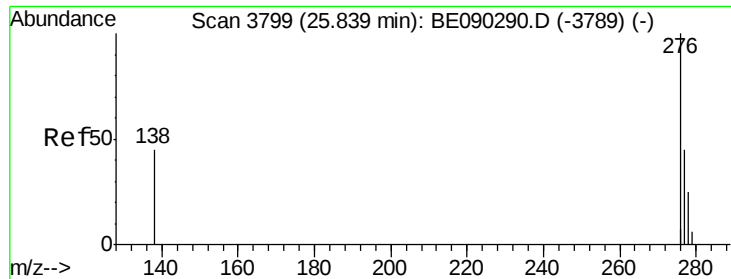
Ion Ratio Lower Upper

276 100

138 21.7 13.5 20.3#

277 20.9 16.4 24.6

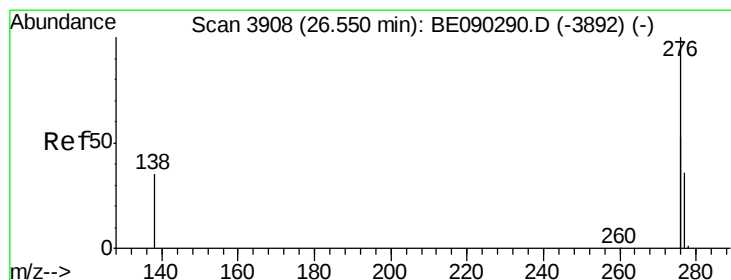
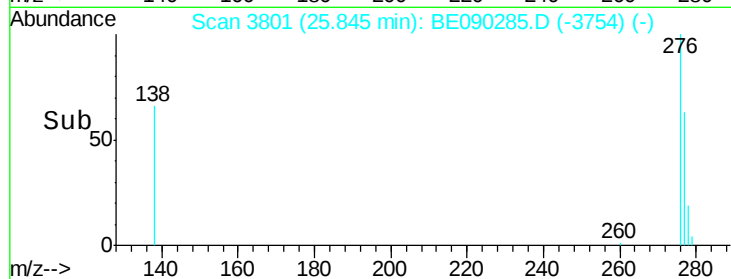
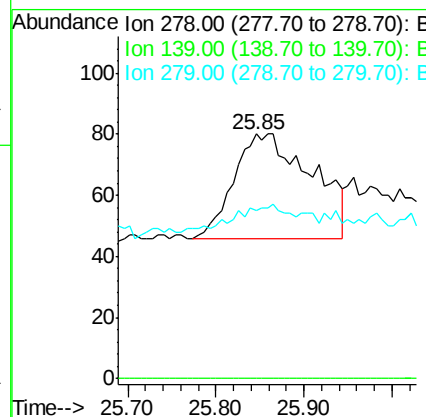
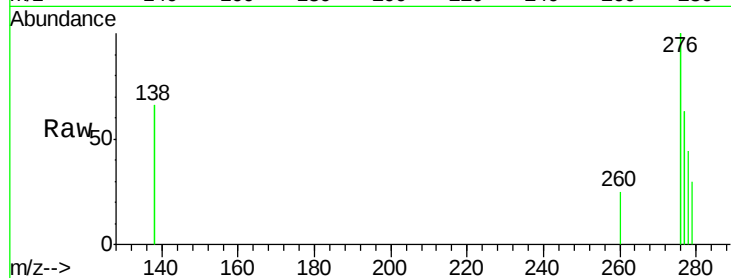




#25
Dibenzo(a,h)anthracene
Concen: 0.11 ng/ul
RT: 25.85 min Scan# 3801
Delta R.T. 0.01 min
Lab File: BE090285.D
Acq: 29 Jul 2015 17:14

Instrument :
BNA_E
ClientSampled :
MDL-03-S

Tgt Ion: 278 Resp: 209
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: BE090285.D
Acq: 29 Jul 2015 17:14

Tgt Ion: 276 Resp: 2422
Ion Ratio Lower Upper
276 100
277 46.7 25.5 38.3#
138 46.3 23.9 35.9#

