

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072915\
 Data File : BE090283.D
 Acq On : 29 Jul 2015 16:02
 Operator : TP/IZ
 Sample : MDL-01-S
 Misc : MDL-SIM-SOIL-0.15PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-01-S

Quant Time: Jul 30 01:56:24 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	877	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.35	136	3664	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.20	164	2215	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5443	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	2883	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	2149	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.94	152	2028	0.36	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	4514	0.30	ng/ul	0.00

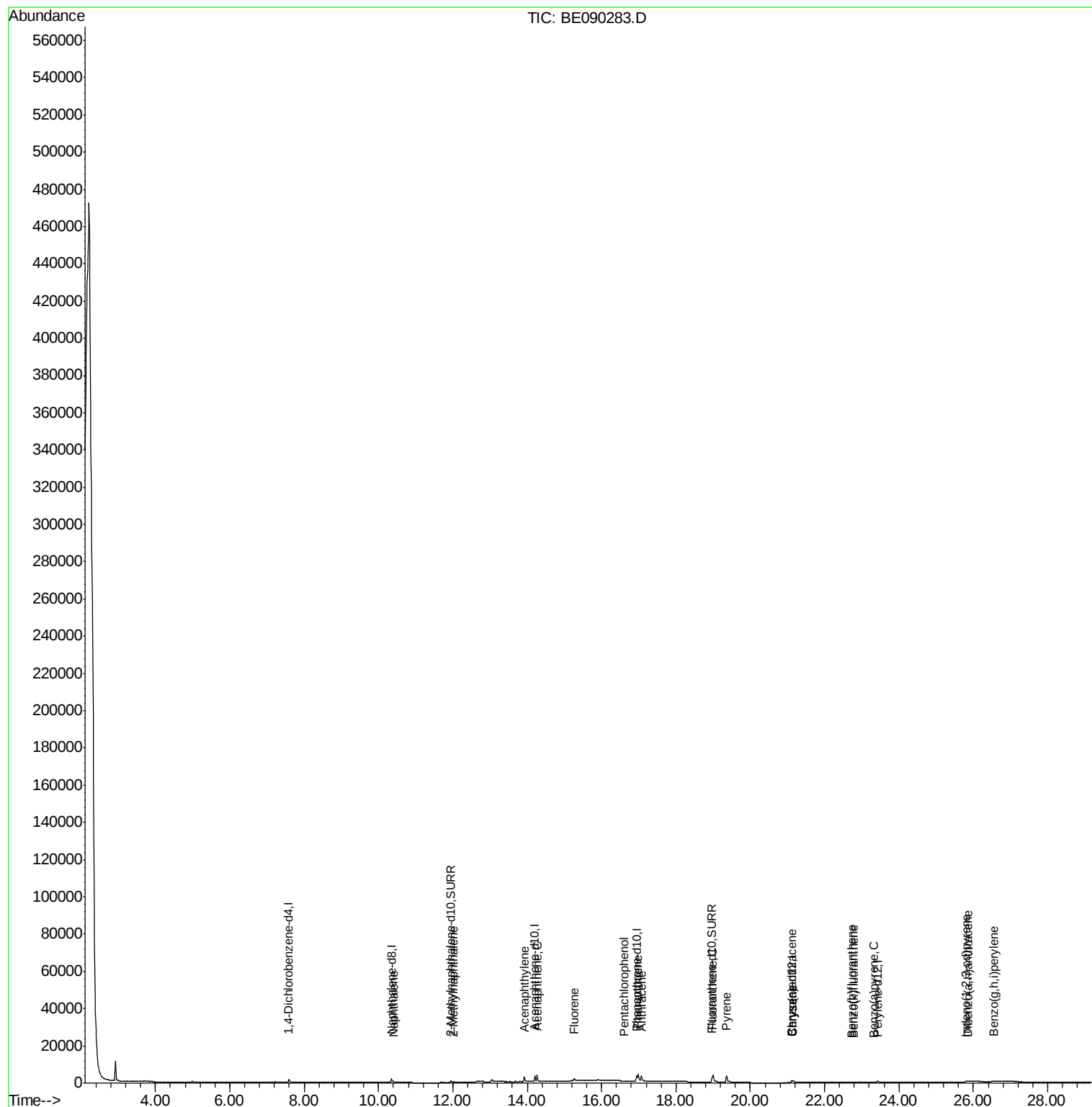
Target Compounds				Ovalue		
3) Naphthalene	10.40	128	1019	0.11	ng/ul#	88
5) 2-Methylnaphthalene	12.02	142	634	0.10	ng/ul	98
7) Acenaphthylene	13.92	152	4498	0.10	ng/ul#	91
8) Acenaphthene	14.26	153	3325	0.10	ng/ul	96
9) Fluorene	15.26	166	956	0.10	ng/ul#	88
11) Pentachlorophenol	16.61	266	52	0.15	ng/ul#	90
12) Phenanthrene	16.98	178	5760	0.10	ng/ul#	89
13) Anthracene	17.07	178	5885	0.10	ng/ul#	87
15) Fluoranthene	19.00	202	6337	0.09	ng/ul	93
17) Pyrene	19.36	202	6616	0.12	ng/ul#	90
18) Benzo(a)anthracene	21.10	228	436	0.10	ng/ul#	81
19) Chrysene	21.15	228	1443	0.11	ng/ul#	84
21) Benzo(b)fluoranthene	22.72	252	274	0.09	ng/ul#	60
22) Benzo(k)fluoranthene	22.76	252	624	0.06	ng/ul#	66
23) Benzo(a)pyrene	23.32	252	363	0.08	ng/ul#	63
24) Indeno(1,2,3-cd)pyrene	25.81	276	1210	0.09	ng/ul	97
25) Dibenzo(a,h)anthracene	25.85	278	136	0.08	ng/ul#	63
26) Benzo(g,h,i)perylene	26.55	276	1898	0.10	ng/ul#	61

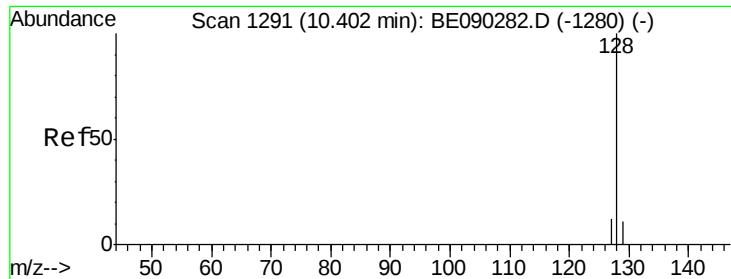
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.11 ng/ul

RT: 10.40 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BE090283.D

Acq: 29 Jul 2015 16:02

Instrument :

BNA_E

ClientSampleId :

MDL-01-S

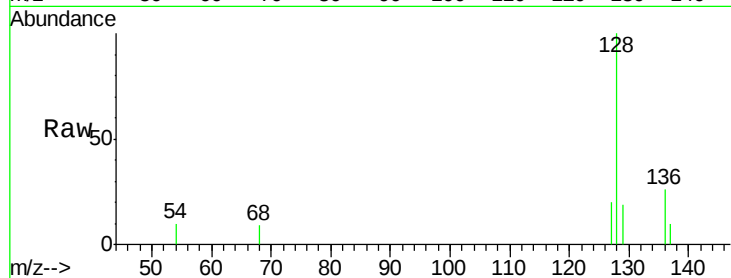
Tot Ion:128 Resp: 1019

Ion Ratio Lower Upper

128 100

129 18.6 10.4 15.6#

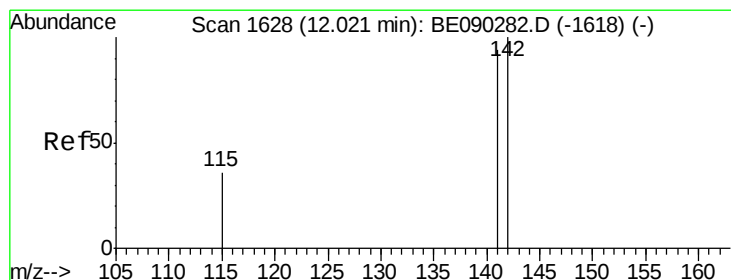
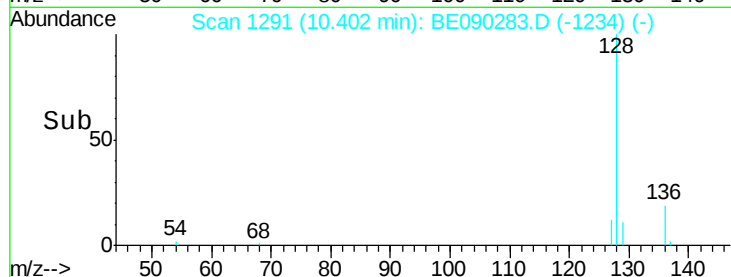
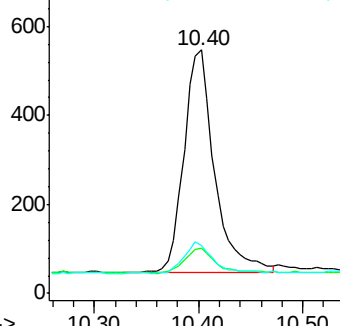
127 19.6 12.1 18.1#



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



#5

2-Methylnaphthalene

Concen: 0.10 ng/ul

RT: 12.02 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE090283.D

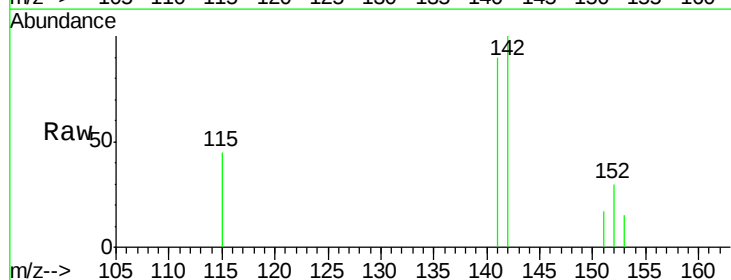
Acq: 29 Jul 2015 16:02

Tgt Ion:142 Resp: 634

Ion Ratio Lower Upper

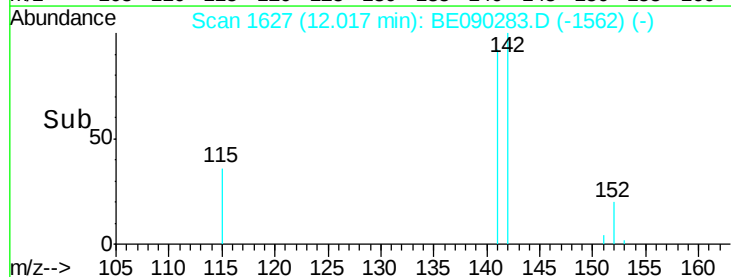
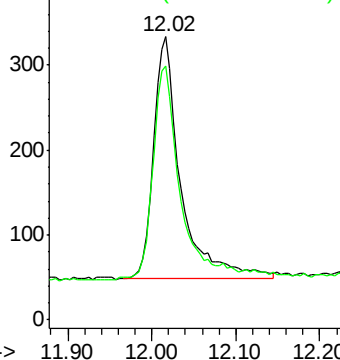
142 100

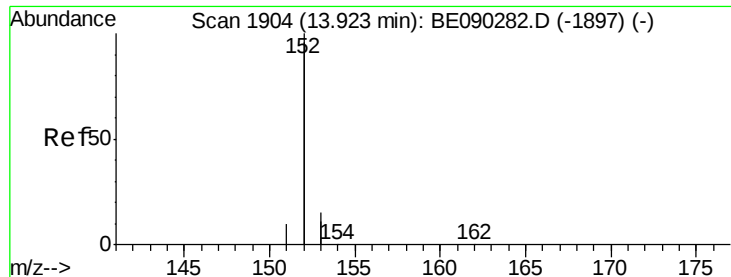
141 89.1 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.10 ng/ul

RT: 13.92 min Scan# 1904

Delta R.T. 0.00 min

Lab File: BE090283.D

Acq: 29 Jul 2015 16:02

Instrument :

BNA_E

ClientSampleId :

MDL-01-S

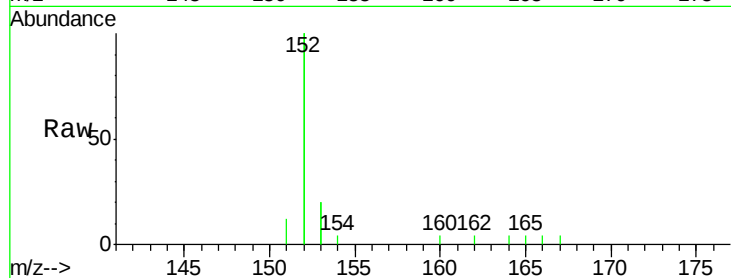
Tot Ion:152 Resp: 4498

Ion Ratio Lower Upper

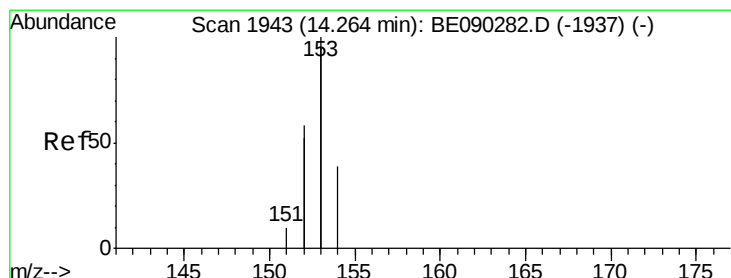
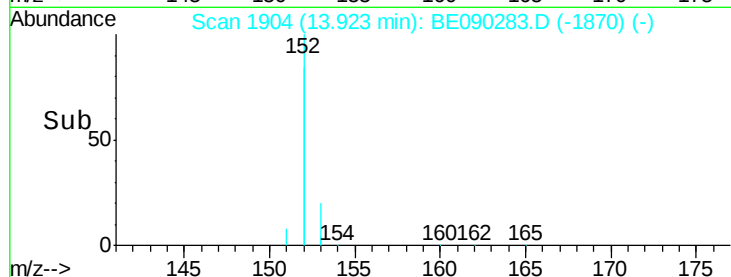
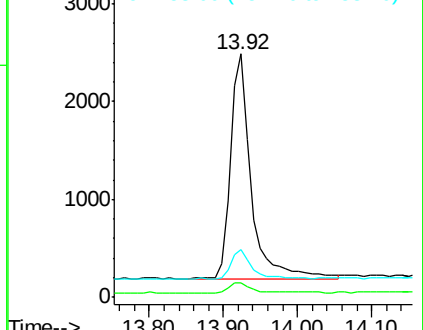
152 100

151 6.2 4.3 6.5

153 19.9 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: 0.10 ng/ul

RT: 14.26 min Scan# 1943

Delta R.T. 0.00 min

Lab File: BE090283.D

Acq: 29 Jul 2015 16:02

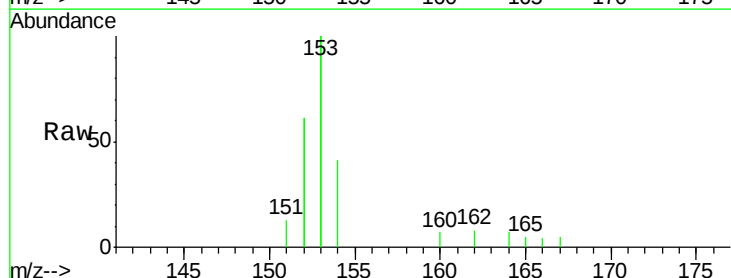
Tgt Ion:153 Resp: 3325

Ion Ratio Lower Upper

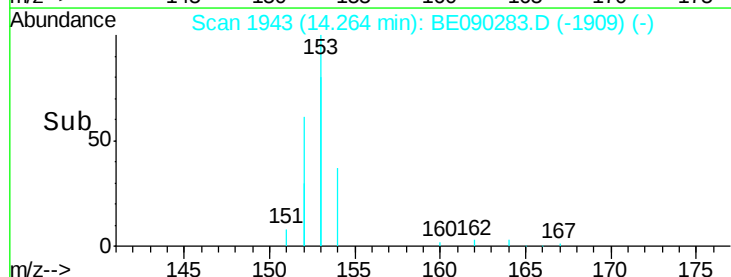
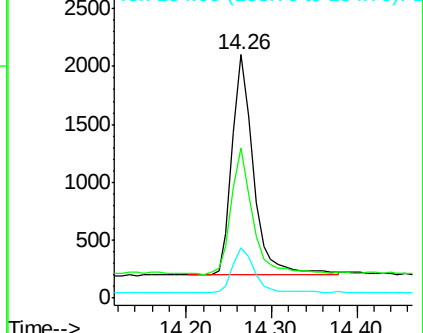
153 100

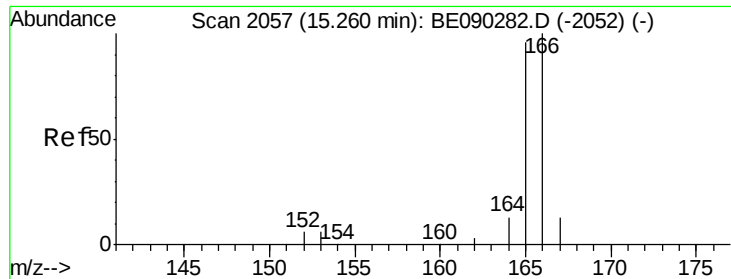
152 61.5 45.7 68.5

154 20.7 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: 0.10 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BE090283.D

Acq: 29 Jul 2015 16:02

Instrument :

BNA_E

ClientSampleId :

MDL-01-S

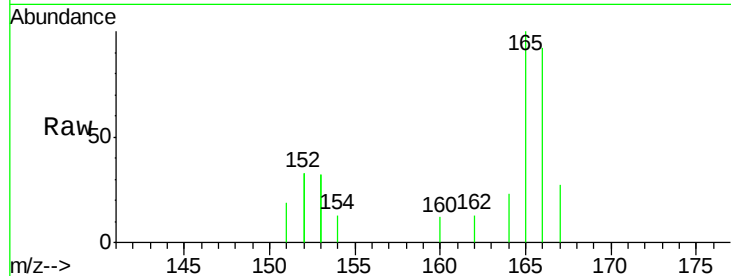
Tot Ion:166 Resp: 956

Ion Ratio Lower Upper

166 100

165 108.5 80.3 120.5

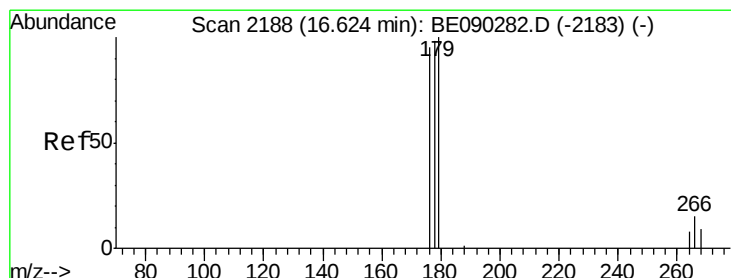
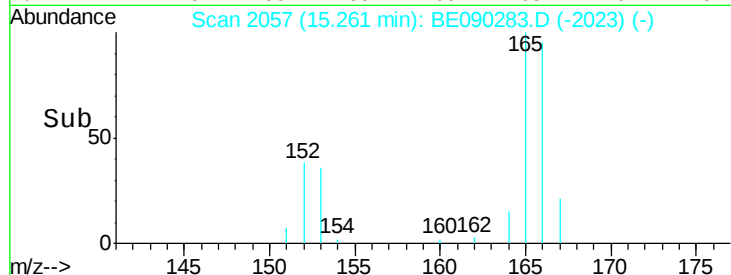
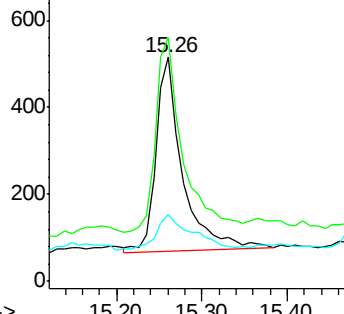
167 29.7 12.4 18.6#



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: 0.15 ng/ul

RT: 16.61 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BE090283.D

Acq: 29 Jul 2015 16:02

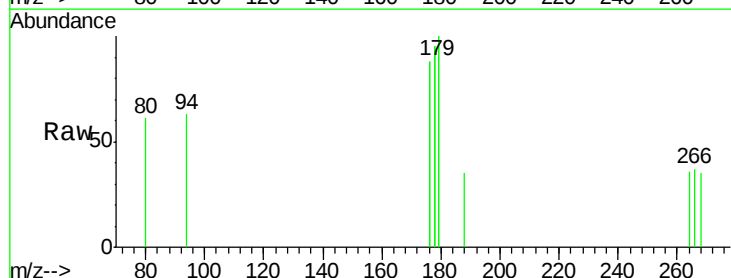
Tgt Ion:266 Resp: 52

Ion Ratio Lower Upper

266 100

264 69.2 43.4 65.0#

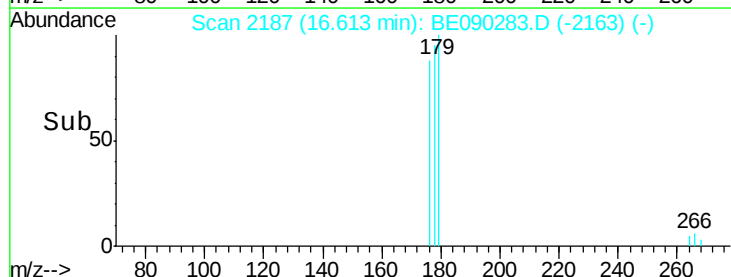
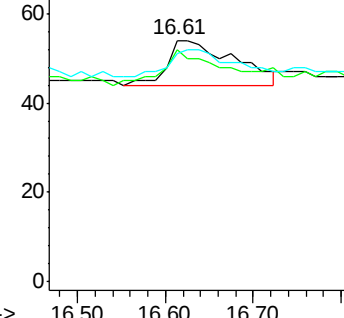
268 55.8 44.6 66.8

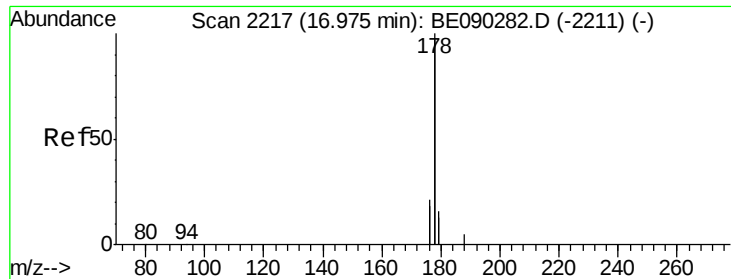


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.10 ng/ul

RT: 16.98 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BE090283.D

Acq: 29 Jul 2015 16:02

Instrument :

BNA_E

ClientSampleId :

MDL-01-S

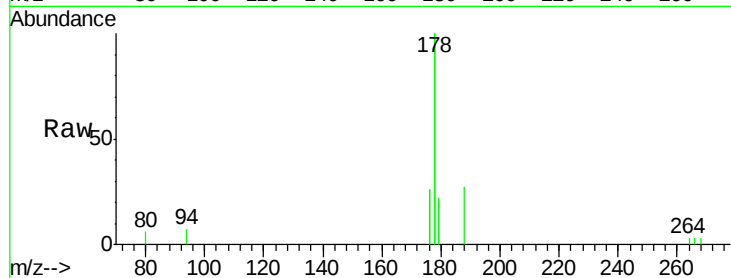
Tot Ion:178 Resp: 5760

Ion Ratio Lower Upper

178 100

176 25.9 17.3 25.9

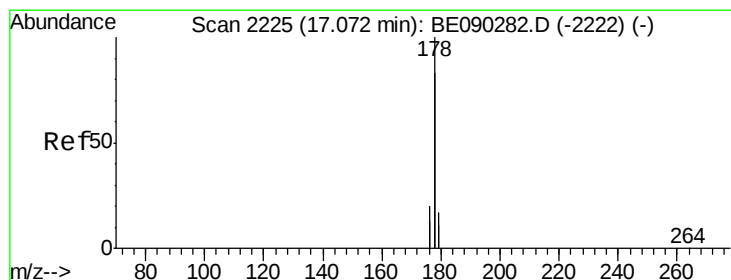
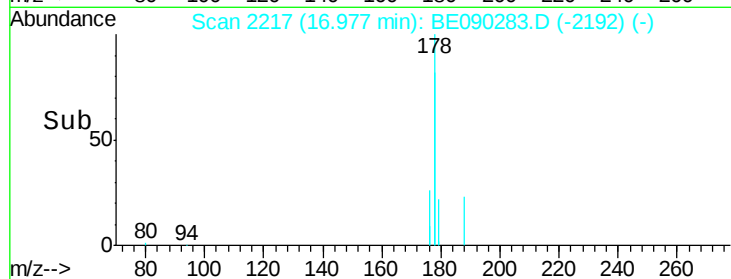
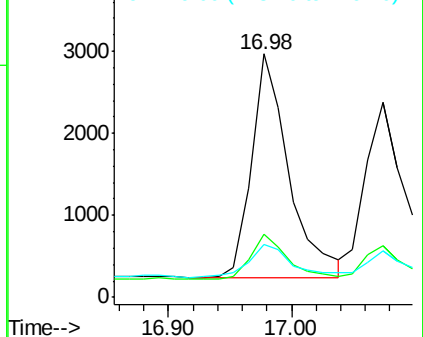
179 21.8 13.1 19.7#



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: 0.10 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE090283.D

Acq: 29 Jul 2015 16:02

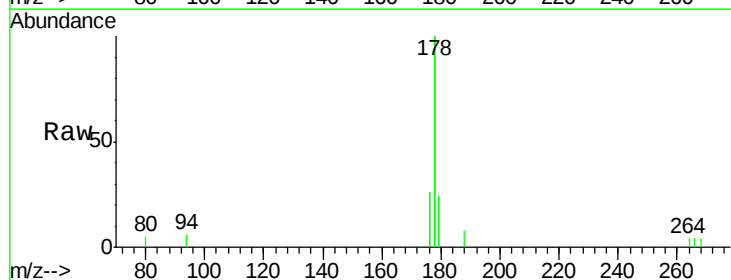
Tgt Ion:178 Resp: 5885

Ion Ratio Lower Upper

178 100

176 26.1 16.4 24.6#

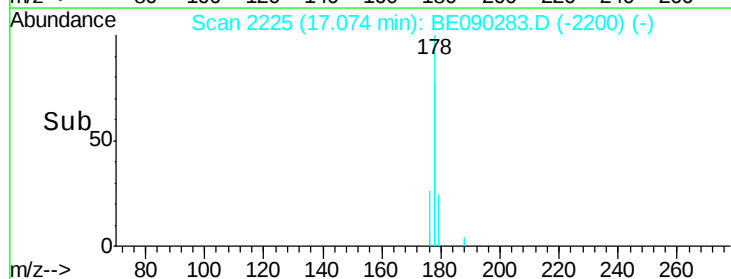
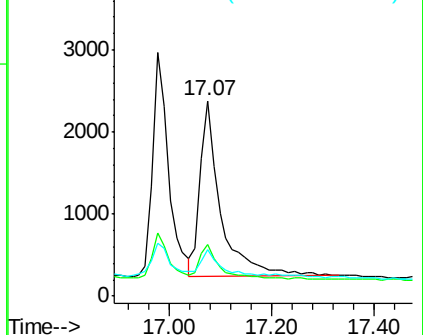
179 23.8 13.9 20.9#

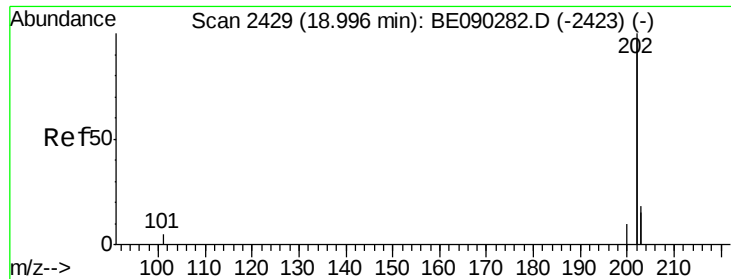


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.09 ng/ul

RT: 19.00 min Scan# 2429

Delta R.T. 0.00 min

Lab File: BE090283.D

Acq: 29 Jul 2015 16:02

Instrument :

BNA_E

ClientSampleId :

MDL-01-S

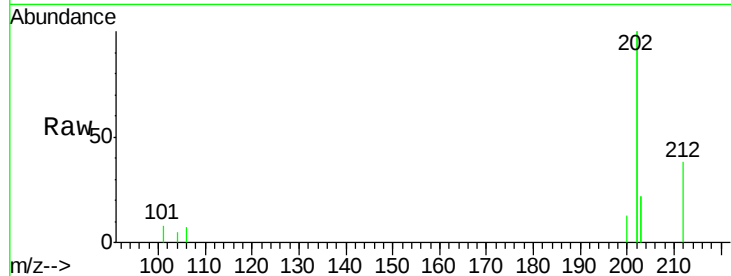
Tot Ion:202 Resp: 6337

Ion Ratio Lower Upper

202 100

101 4.1 0.0 22.9

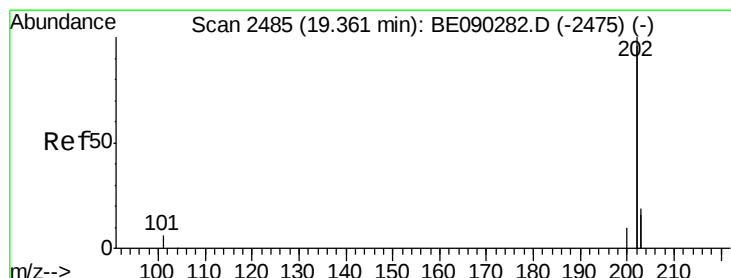
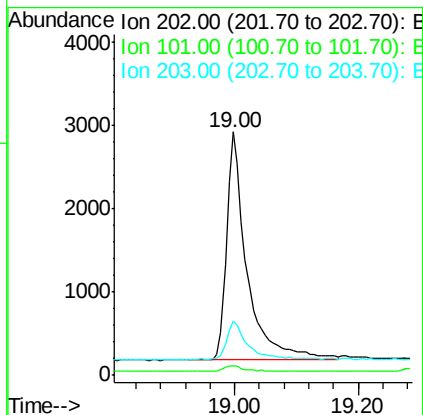
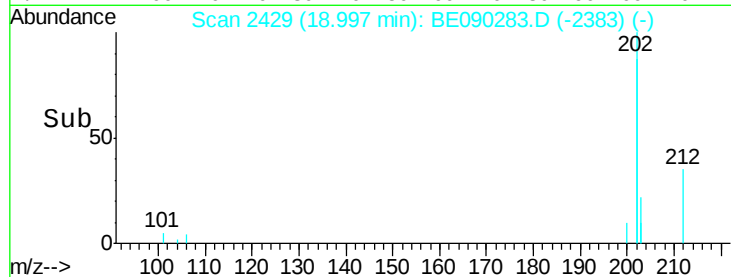
203 22.4 0.0 39.0



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: 0.12 ng/ul

RT: 19.36 min Scan# 2485

Delta R.T. 0.00 min

Lab File: BE090283.D

Acq: 29 Jul 2015 16:02

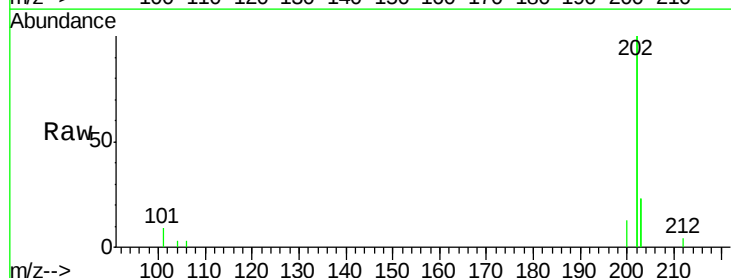
Tgt Ion:202 Resp: 6616

Ion Ratio Lower Upper

202 100

200 6.3 4.5 6.7

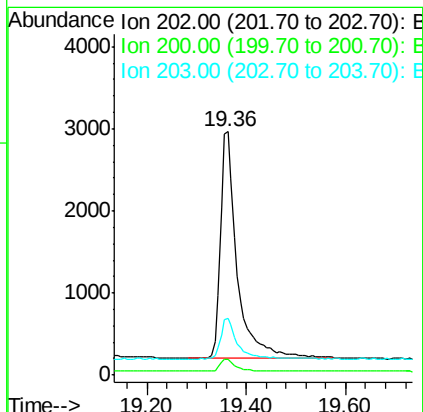
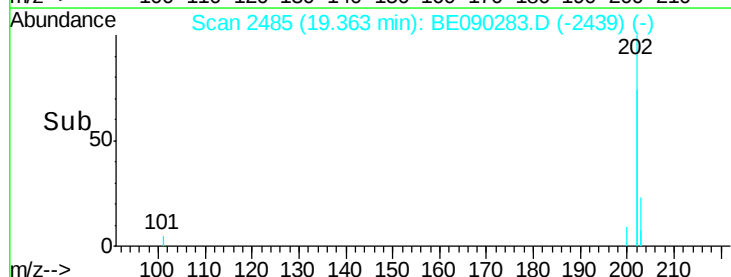
203 23.4 14.4 21.6#

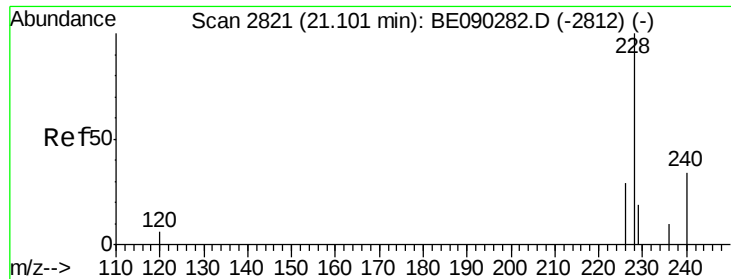


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.10 ng/ul

RT: 21.10 min Scan# 2820

Delta R.T. -0.00 min

Lab File: BE090283.D

Acq: 29 Jul 2015 16:02

Instrument :

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ClientSampleId :

MDL-01-S

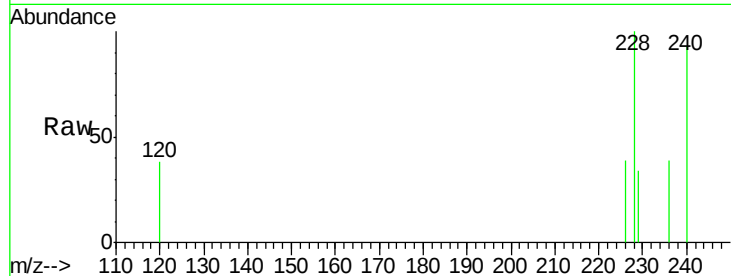
Tot Ion:228 Resp: 436

Ion Ratio Lower Upper

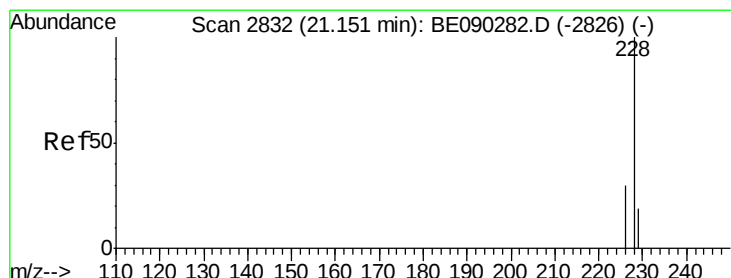
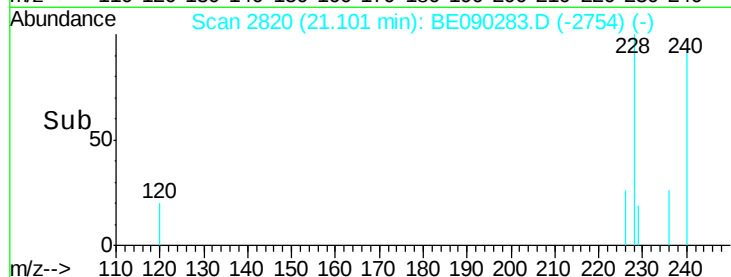
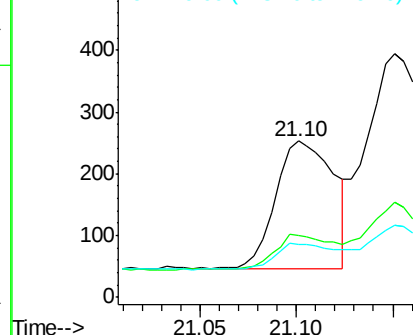
228 100

226 39.1 24.6 36.8#

229 33.6 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: 0.11 ng/ul

RT: 21.15 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE090283.D

Acq: 29 Jul 2015 16:02

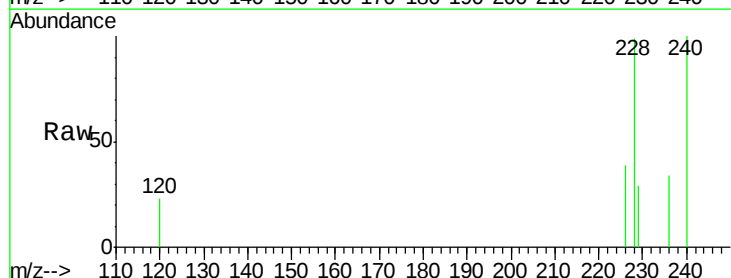
Tgt Ion:228 Resp: 1443

Ion Ratio Lower Upper

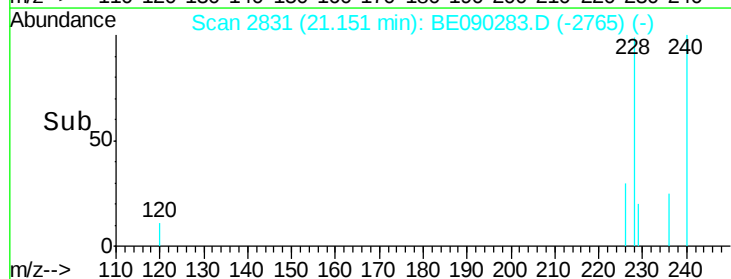
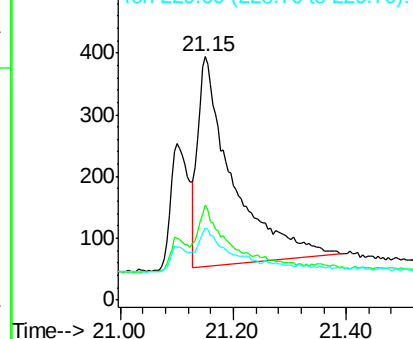
228 100

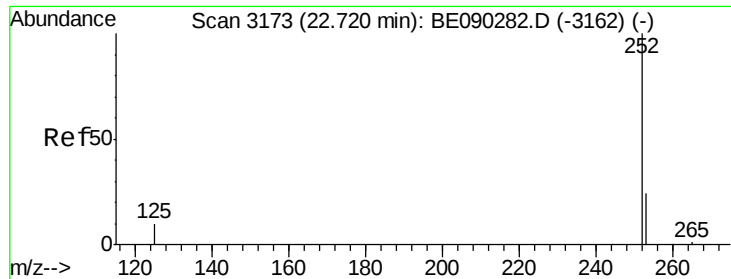
226 38.8 25.0 37.4#

229 29.4 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: 0.09 ng/ul

RT: 22.72 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BE090283.D

Acq: 29 Jul 2015 16:02

Instrument :

BNA_E

ClientSampleId :

MDL-01-S

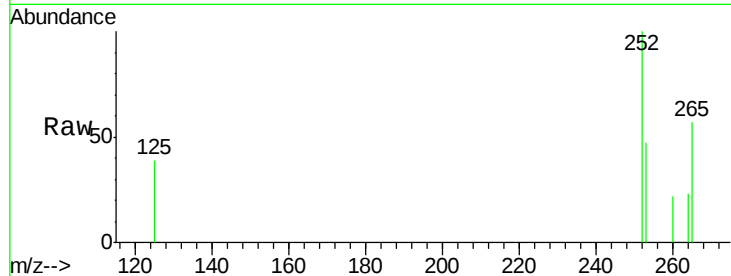
Tot Ion:252 Resp: 274

Ion Ratio Lower Upper

252 100

253 46.8 0.0 57.2

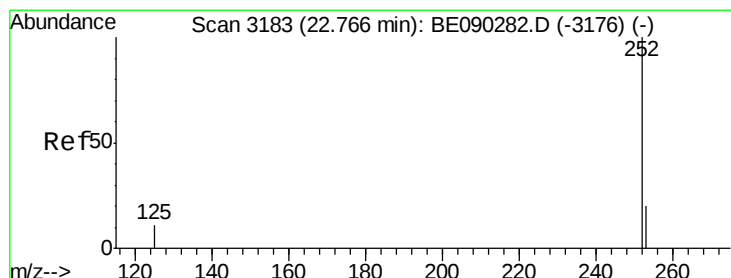
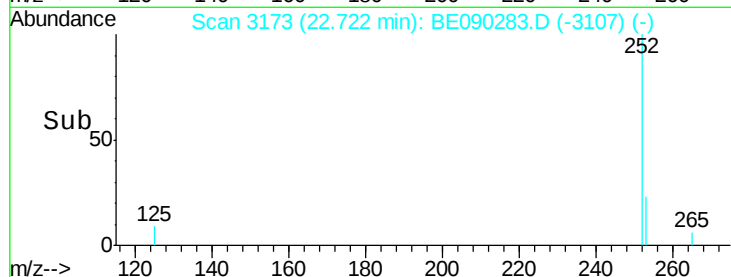
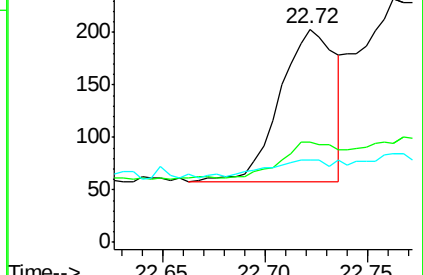
125 38.9 0.0 34.6#



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: 0.06 ng/ul

RT: 22.76 min Scan# 3182

Delta R.T. -0.00 min

Lab File: BE090283.D

Acq: 29 Jul 2015 16:02

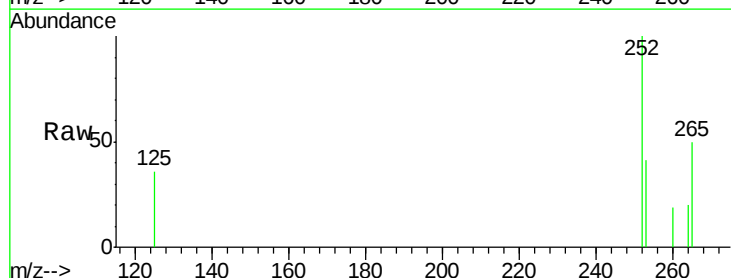
Tgt Ion:252 Resp: 624

Ion Ratio Lower Upper

252 100

253 40.5 21.3 31.9#

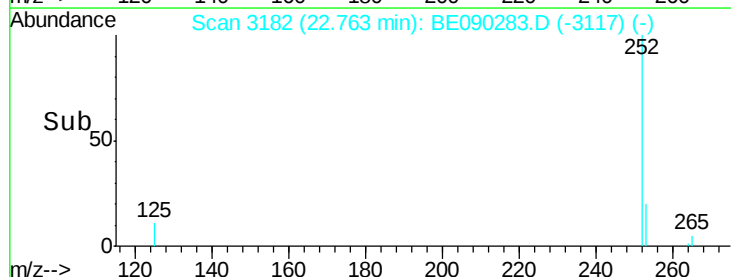
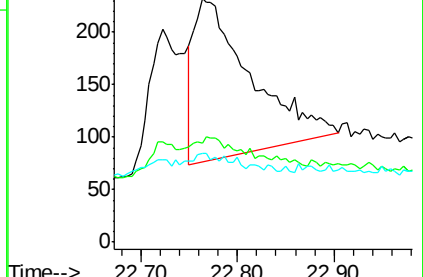
125 36.2 13.3 19.9#

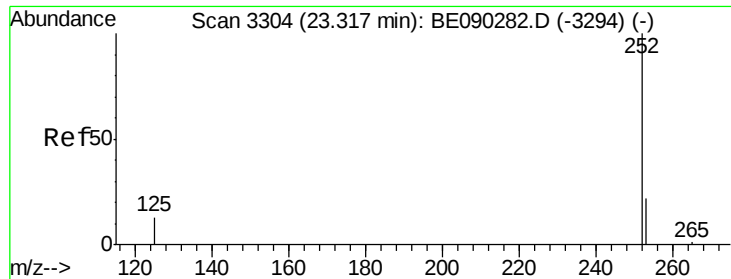


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.08 ng/ul

RT: 23.32 min Scan# 3305

Delta R.T. 0.01 min

Lab File: BE090283.D

Acq: 29 Jul 2015 16:02

Instrument :

BNA_E

ClientSampleId :

MDL-01-S

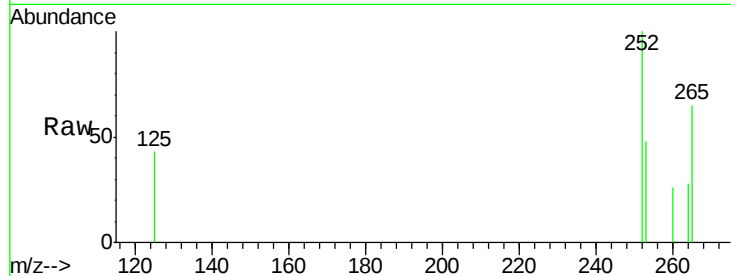
Tot Ion:252 Resp: 363

Ion Ratio Lower Upper

252 100

253 48.0 24.9 37.3#

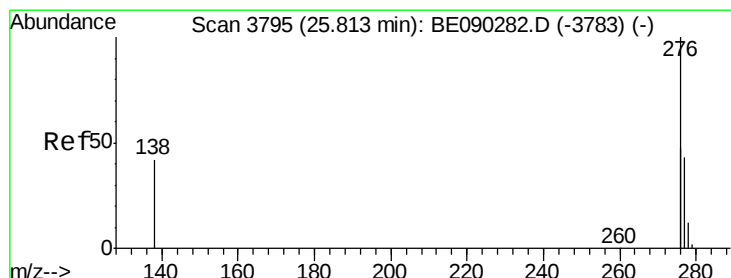
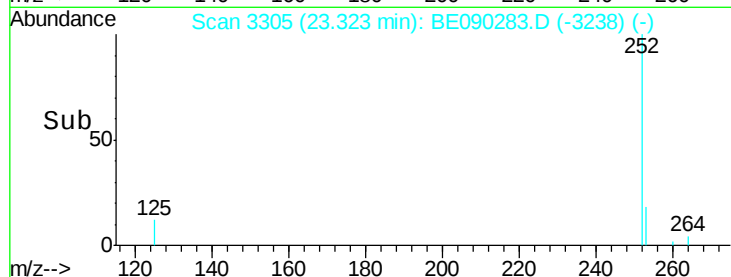
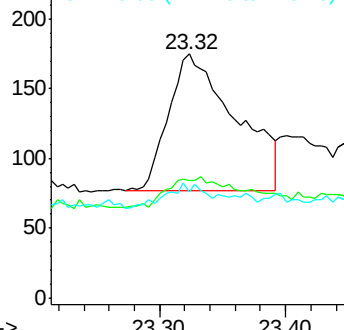
125 43.4 17.5 26.3#



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: 0.09 ng/ul

RT: 25.81 min Scan# 3795

Delta R.T. 0.00 min

Lab File: BE090283.D

Acq: 29 Jul 2015 16:02

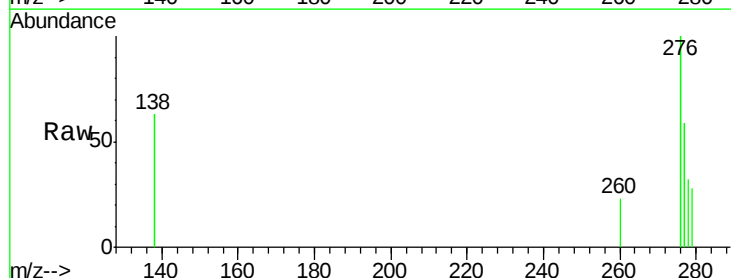
Tgt Ion:276 Resp: 1210

Ion Ratio Lower Upper

276 100

138 18.7 13.5 20.3

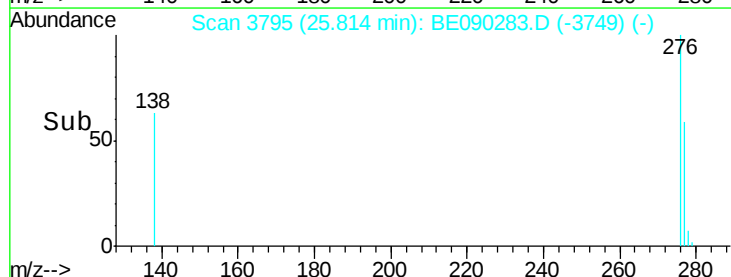
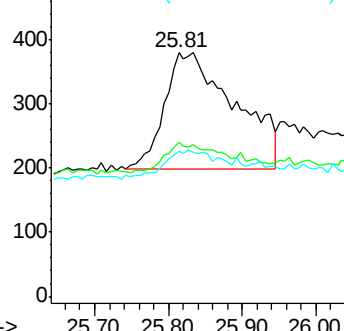
277 19.5 16.4 24.6

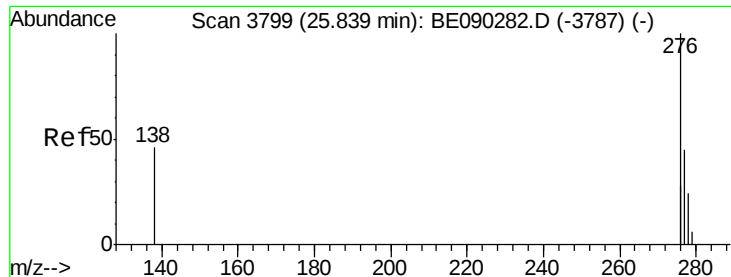


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

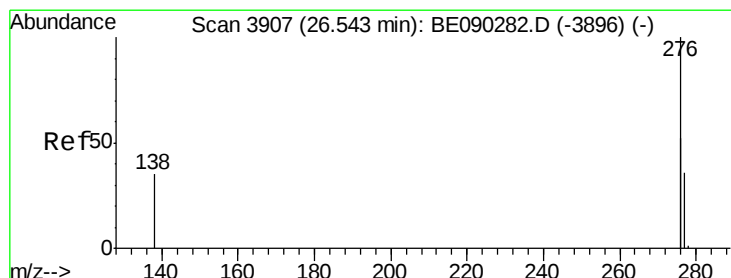
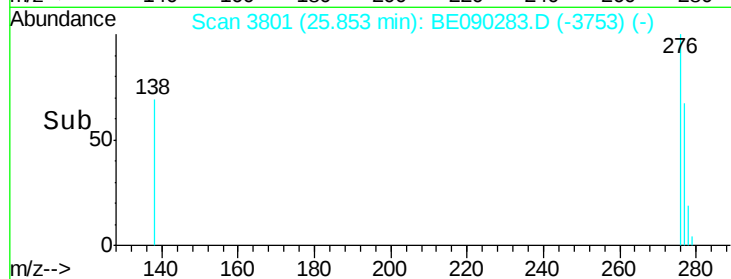
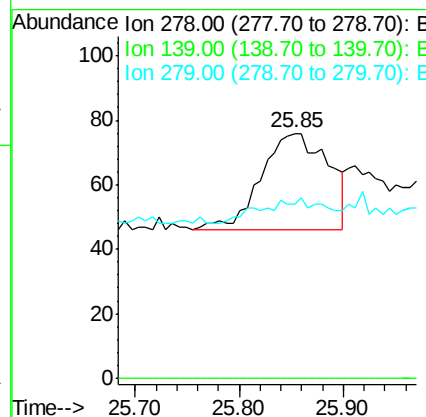
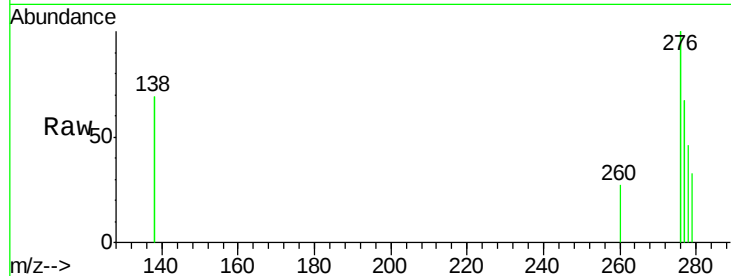




#25
Dibenzo(a,h)anthracene
Concen: 0.08 ng/ul
RT: 25.85 min Scan# 3801
Delta R.T. 0.01 min
Lab File: BE090283.D
Acq: 29 Jul 2015 16:02

Instrument :
BNA_E
ClientSampled :
MDL-01-S

Tot Ion:278 Resp: 136
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 71.1 37.4 56.0#



#26
Benzo(g,h,i)perylene
Concen: 0.10 ng/ul
RT: 26.55 min Scan# 3908
Delta R.T. 0.01 min
Lab File: BE090283.D
Acq: 29 Jul 2015 16:02

Tgt Ion:276 Resp: 1898
Ion Ratio Lower Upper
276 100
277 52.3 25.5 38.3#
138 52.3 23.9 35.9#

