

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072815\
 Data File : BE090275.D
 Acq On : 28 Jul 2015 18:51
 Operator : TP/IZ
 Sample : MDL-03-S
 Misc : MDL-SIM-SOIL-0.15PPM
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-03-S

Quant Time: Jul 29 04:35:14 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 04:26:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1019	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	3988	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2336	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5125	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	3215	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	2596	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	2000	0.33	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	4673	0.33	ng/ul	0.00

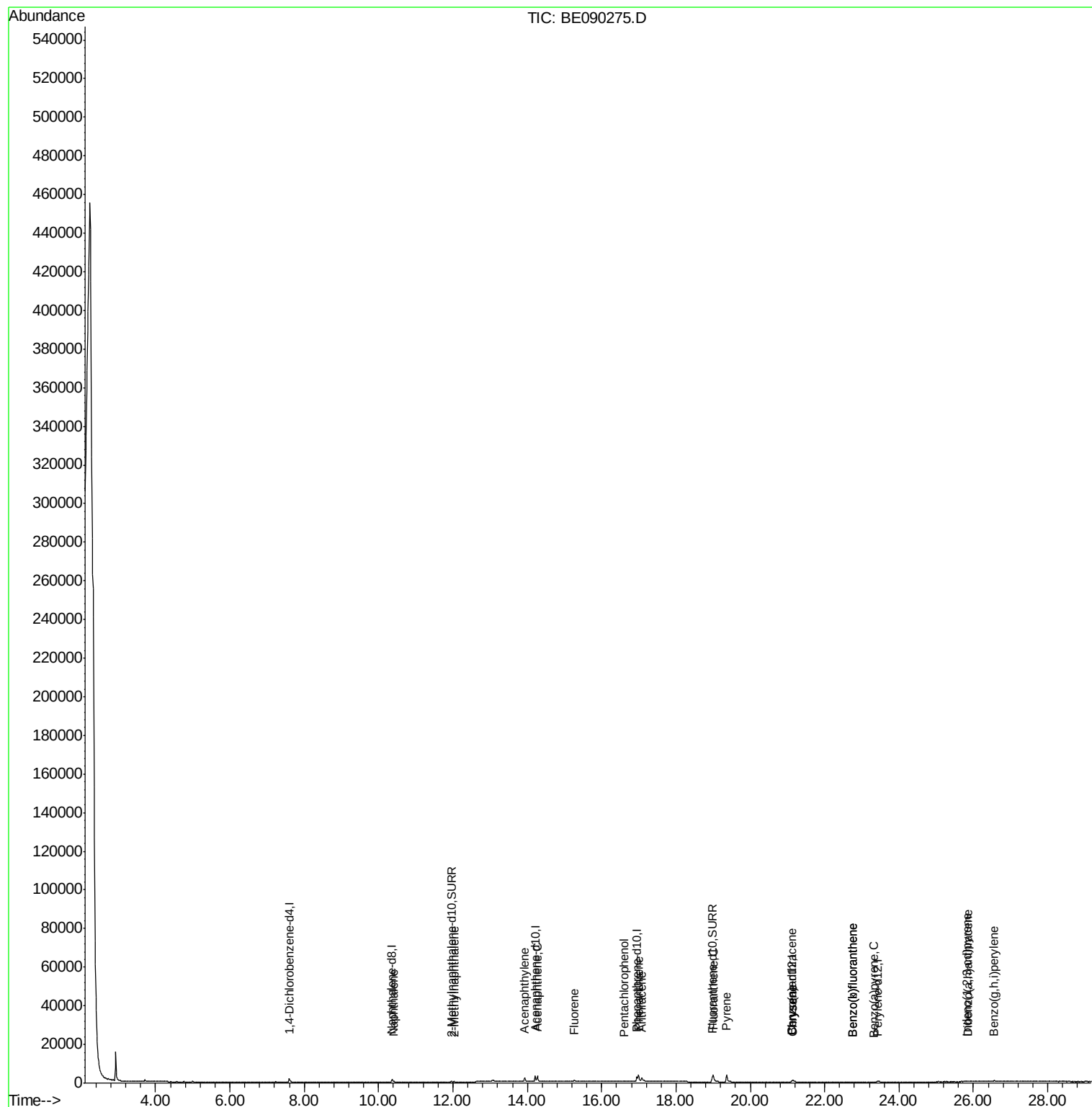
Target Compounds				Qvalue		
3) Naphthalene	10.41	128	1066	0.10	ng/ul#	83
5) 2-Methylnaphthalene	12.03	142	576	0.08	ng/ul	96
7) Acenaphthylene	13.93	152	4749	0.10	ng/ul#	87
8) Acenaphthene	14.27	153	3439	0.10	ng/ul	99
9) Fluorene	15.26	166	854	0.09	ng/ul#	92
11) Pentachlorophenol	16.61	266	1	0.00	ng/ul#	24
12) Phenanthrene	16.99	178	5429	0.10	ng/ul#	89
13) Anthracene	17.07	178	5454	0.10	ng/ul#	84
15) Fluoranthene	19.00	202	6757	0.10	ng/ul	92
17) Pyrene	19.36	202	6725	0.11	ng/ul#	91
18) Benzo(a)anthracene	21.10	228	525	0.11	ng/ul#	81
19) Chrysene	21.15	228	1403	0.10	ng/ul#	89
21) Benzo(b)fluoranthene	22.76	252	449	0.12	ng/ul	73
22) Benzo(k)fluoranthene	22.76	252	449	0.04	ng/ul#	69
23) Benzo(a)pyrene	23.33	252	408	0.08	ng/ul#	64
24) Indeno(1,2,3-cd)pyrene	25.83	276	1487	0.09	ng/ul	98
25) Dibenzo(a,h)anthracene	25.85	278	239	0.12	ng/ul#	72
26) Benzo(g,h,i)perylene	26.56	276	2336	0.10	ng/ul#	70

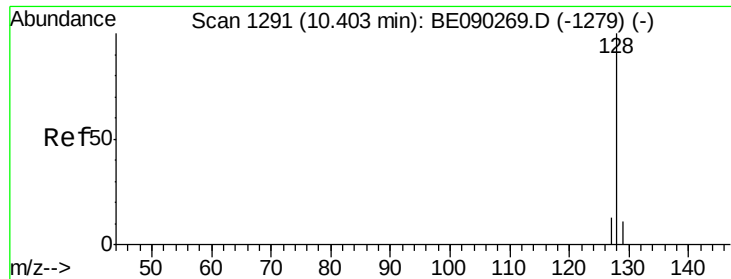
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.41 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BE090275.D

Acq: 28 Jul 2015 18:51

Instrument :

BNA_E

ClientSampleId :

MDL-03-S

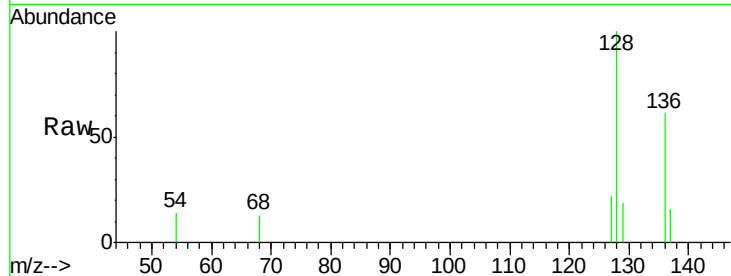
Tgt Ion:128 Resp: 1066

Ion Ratio Lower Upper

128 100

129 19.2 10.4 15.6#

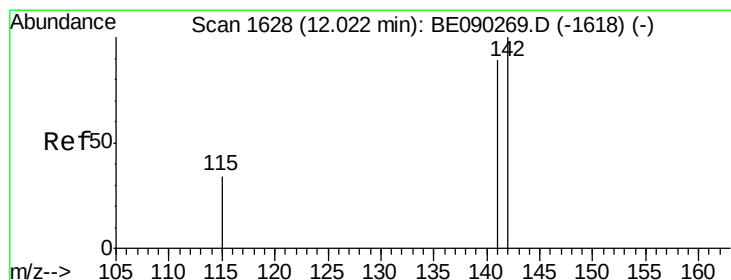
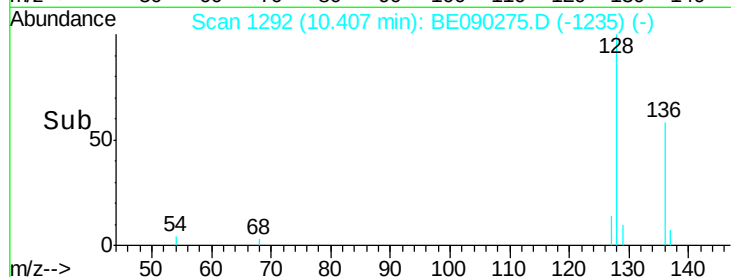
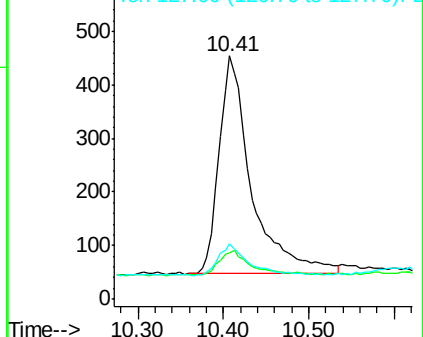
127 22.5 12.1 18.1#



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: 0.08 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. 0.01 min

Lab File: BE090275.D

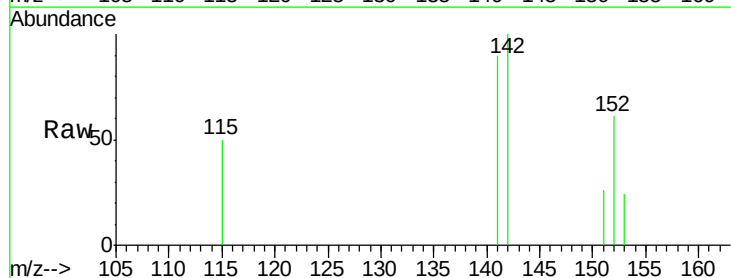
Acq: 28 Jul 2015 18:51

Tgt Ion:142 Resp: 576

Ion Ratio Lower Upper

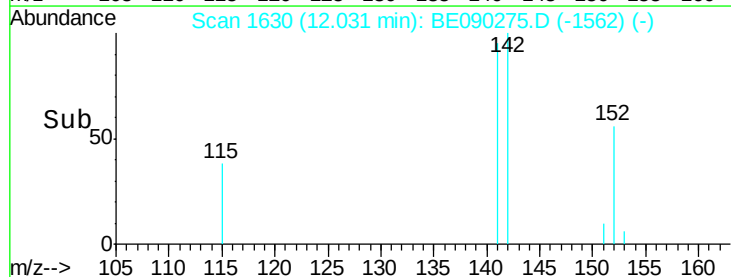
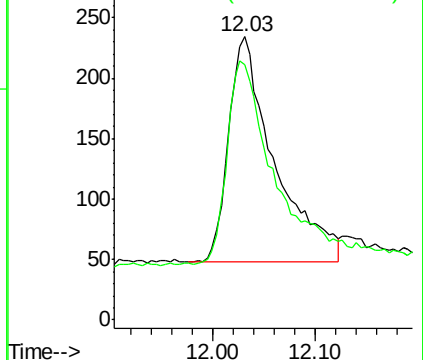
142 100

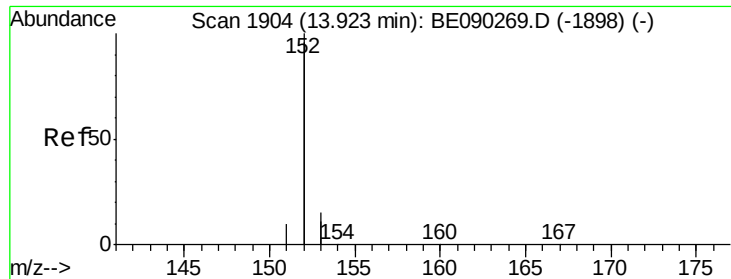
141 95.1 73.0 109.4



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: 13.93 min Scan# 1905

Delta R.T. 0.01 min

Lab File: BE090275.D

Acq: 28 Jul 2015 18:51

Instrument :

BNA_E

ClientSampled :

MDL-03-S

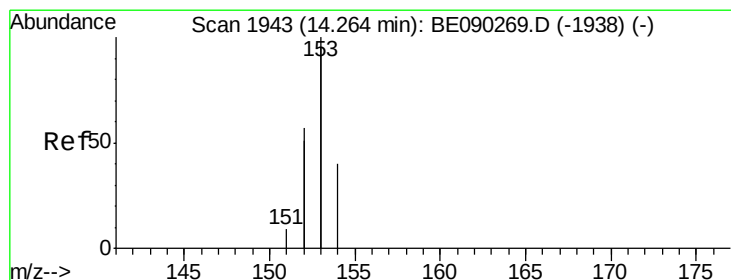
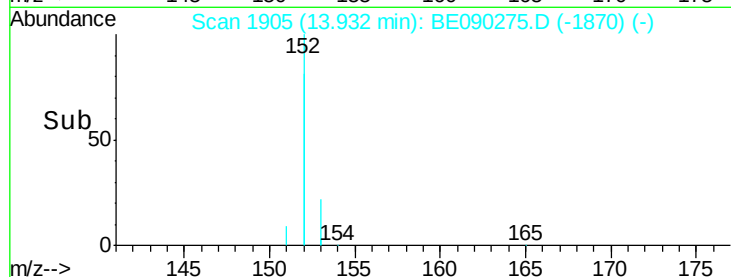
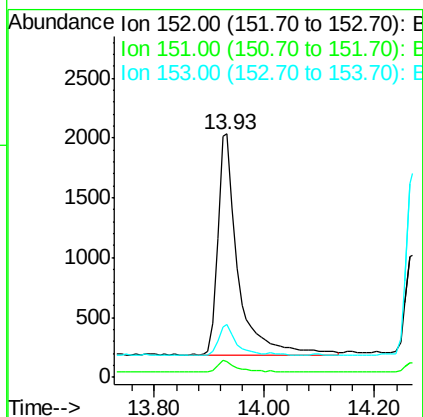
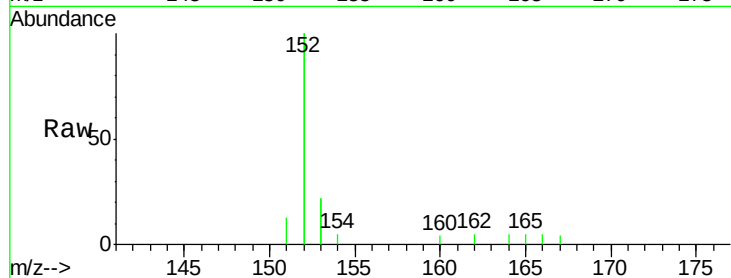
Tgt Ion:152 Resp: 4749

Ion Ratio Lower Upper

152 100

151 6.6 4.3 6.5#

153 21.5 11.9 17.9#



#8

Acenaphthene

Concen: 0.10 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.01 min

Lab File: BE090275.D

Acq: 28 Jul 2015 18:51

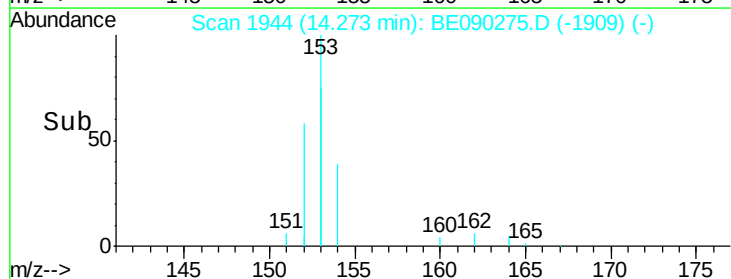
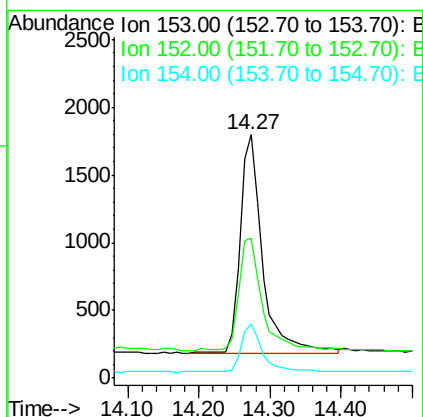
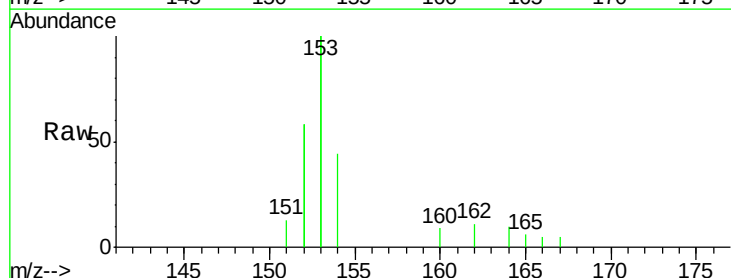
Tgt Ion:153 Resp: 3439

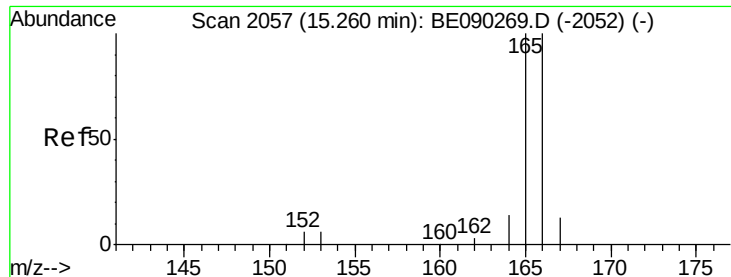
Ion Ratio Lower Upper

153 100

152 57.5 45.7 68.5

154 22.2 16.4 24.6





#9

Fluorene

Concen: 0.09 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BE090275.D

Acq: 28 Jul 2015 18:51

Instrument :

BNA_E

ClientSampleId :

MDL-03-S

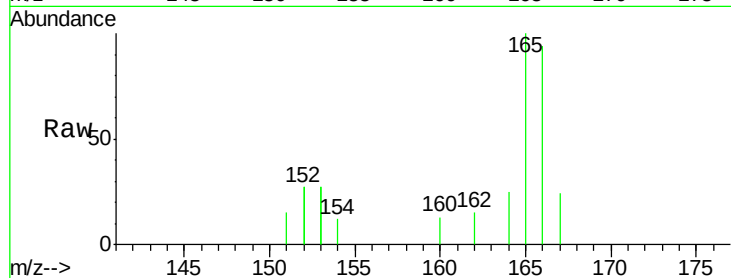
Tgt Ion:166 Resp: 854

Ion Ratio Lower Upper

166 100

165 106.0 80.3 120.5

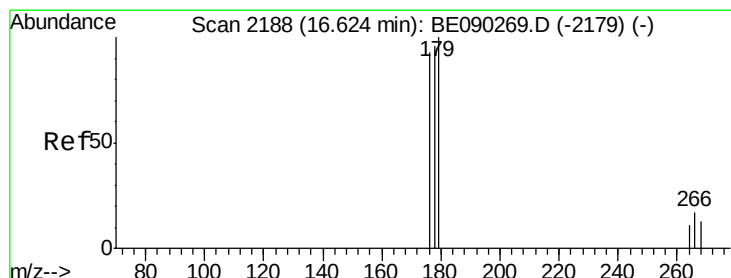
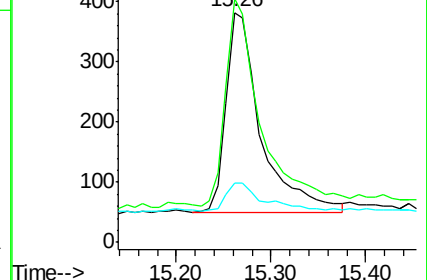
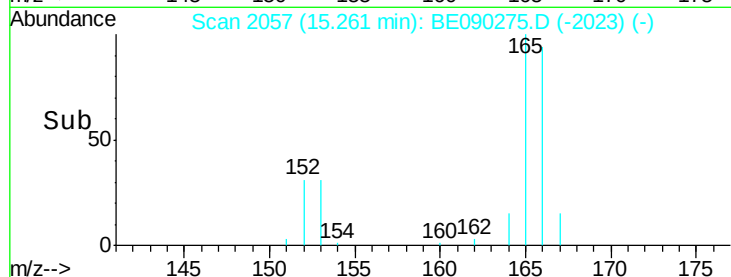
167 25.9 12.4 18.6#



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: 0.00 ng/ul

RT: 16.61 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BE090275.D

Acq: 28 Jul 2015 18:51

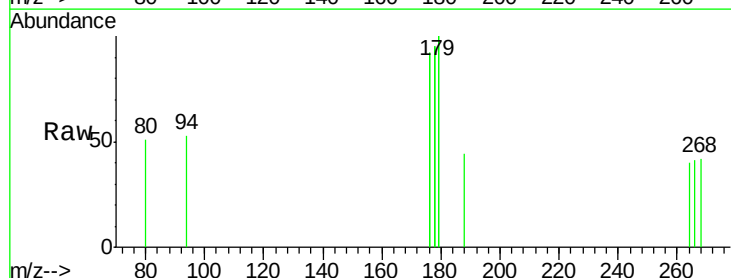
Tgt Ion:266 Resp: 1

Ion Ratio Lower Upper

266 100

264 0.0 43.4 65.0#

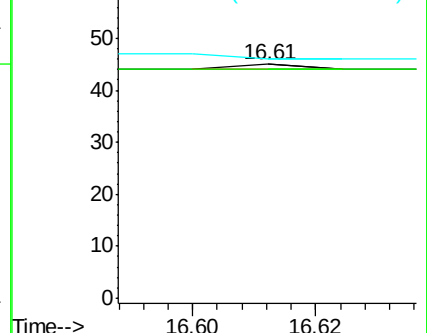
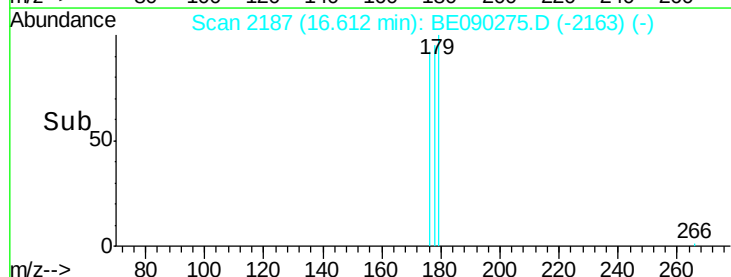
268 0.0 44.6 66.8#

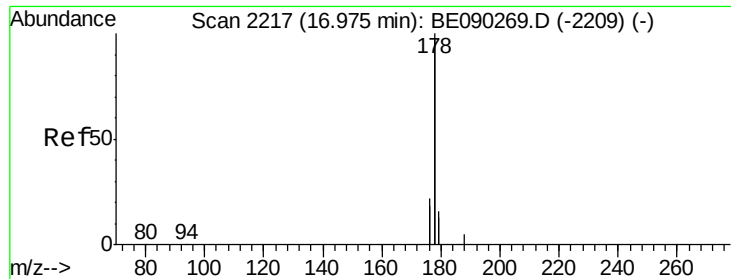


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.10 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BE090275.D

Acq: 28 Jul 2015 18:51

Instrument :

BNA_E

ClientSampleId :

MDL-03-S

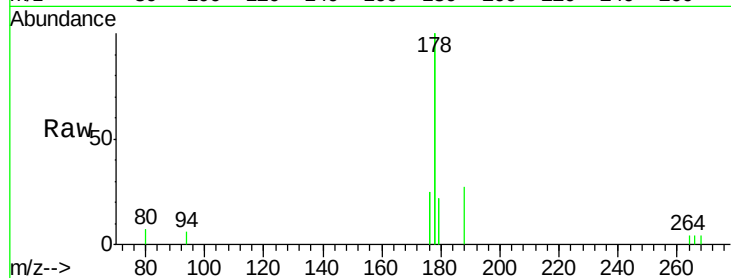
Tgt Ion:178 Resp: 5429

Ion Ratio Lower Upper

178 100

176 25.3 17.3 25.9

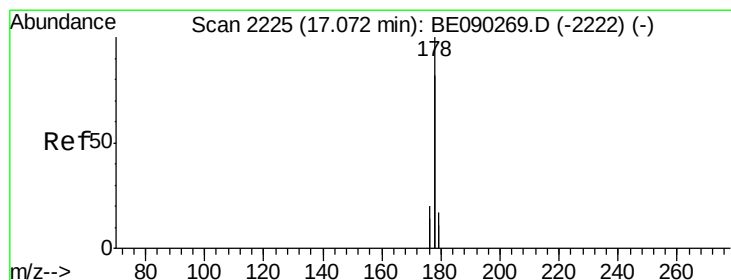
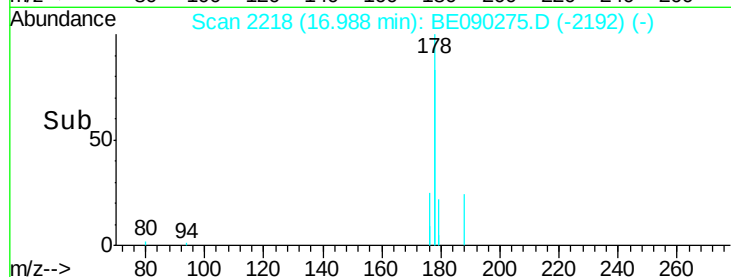
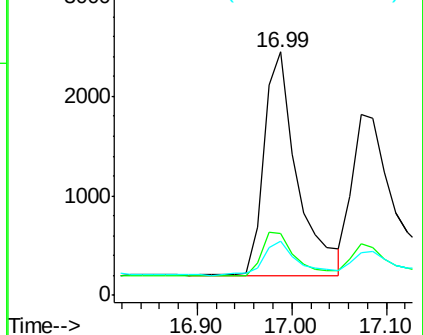
179 22.5 13.1 19.7#



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: 0.10 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE090275.D

Acq: 28 Jul 2015 18:51

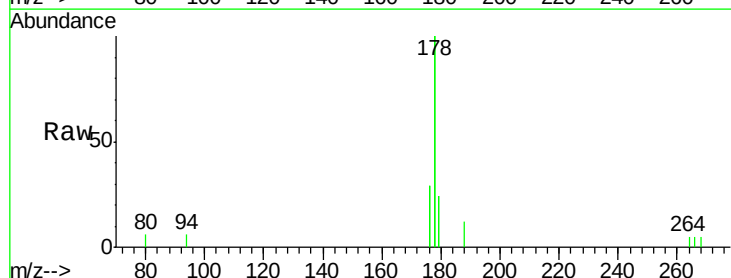
Tgt Ion:178 Resp: 5454

Ion Ratio Lower Upper

178 100

176 28.5 16.4 24.6#

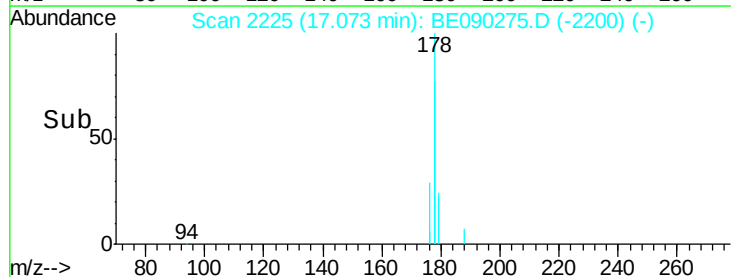
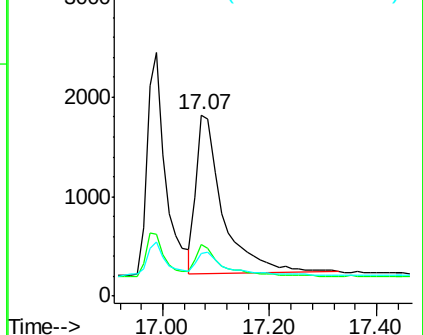
179 23.8 13.9 20.9#

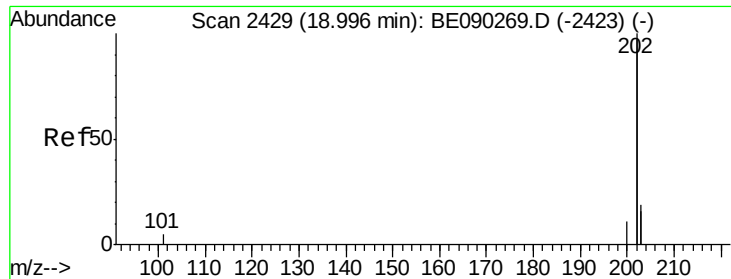


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.10 ng/ul

RT: 19.00 min Scan# 2430

Delta R.T. 0.01 min

Lab File: BE090275.D

Acq: 28 Jul 2015 18:51

Instrument :

BNA_E

ClientSampleId :

MDL-03-S

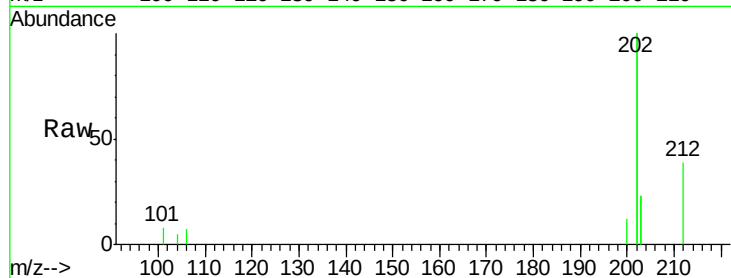
Tgt Ion:202 Resp: 6757

Ion Ratio Lower Upper

202 100

101 3.9 0.0 22.9

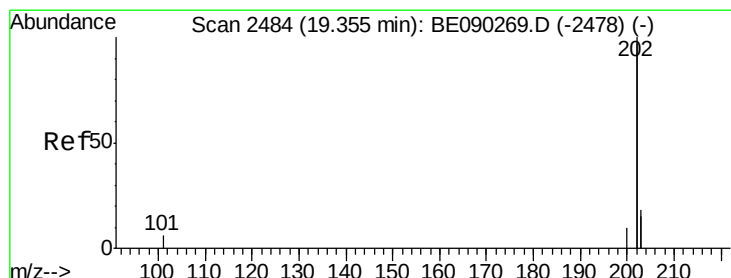
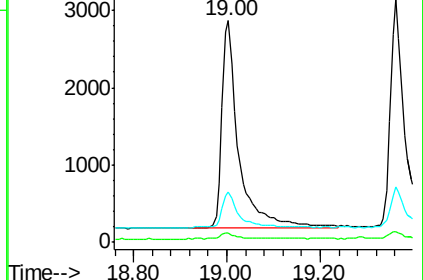
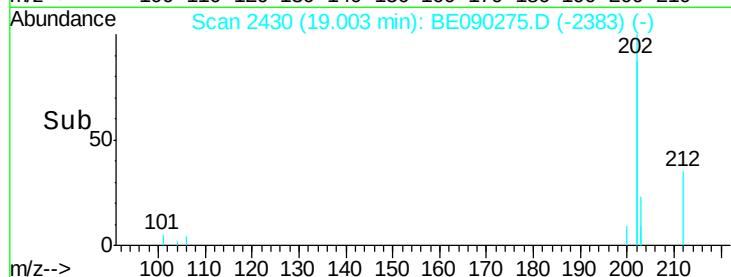
203 22.7 0.0 39.0



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: 0.11 ng/ul

RT: 19.36 min Scan# 2485

Delta R.T. 0.01 min

Lab File: BE090275.D

Acq: 28 Jul 2015 18:51

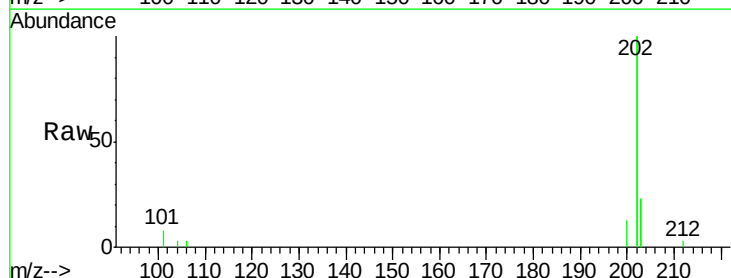
Tgt Ion:202 Resp: 6725

Ion Ratio Lower Upper

202 100

200 6.3 4.5 6.7

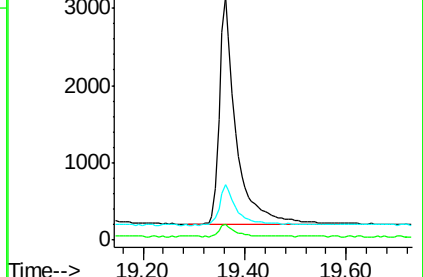
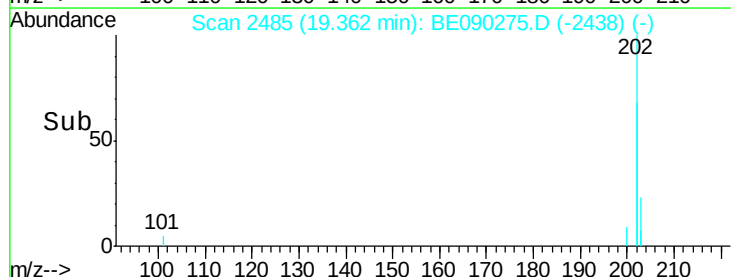
203 22.7 14.4 21.6#

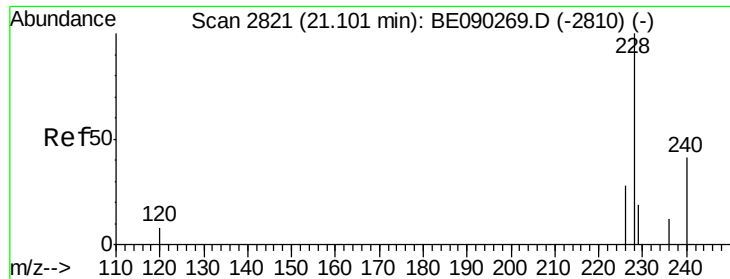


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE090275.D

Acq: 28 Jul 2015 18:51

Instrument :

BNA_E

ClientSampleId :

MDL-03-S

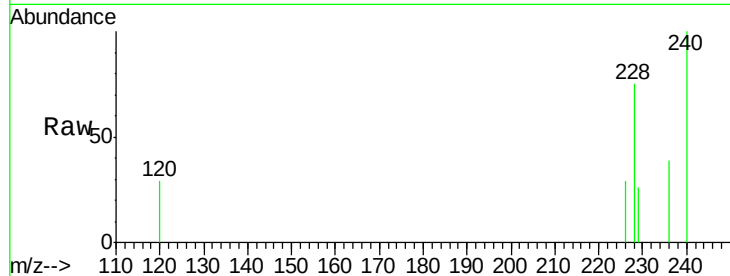
Tgt Ion:228 Resp: 525

Ion Ratio Lower Upper

228 100

226 38.4 24.6 36.8#

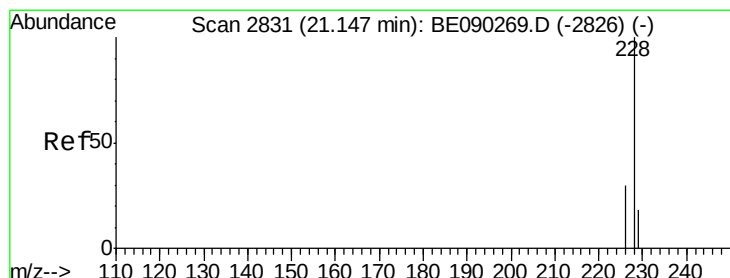
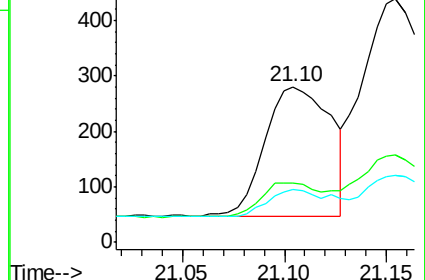
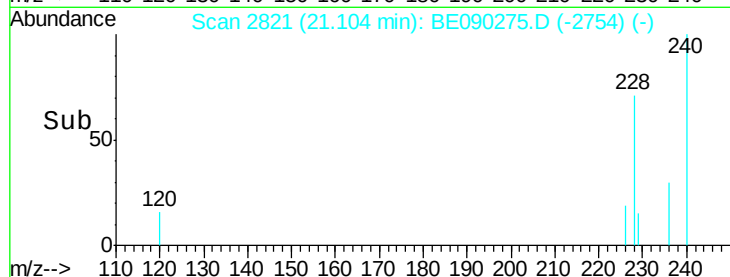
229 34.2 17.9 26.9#



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: 0.10 ng/ul

RT: 21.15 min Scan# 2832

Delta R.T. 0.01 min

Lab File: BE090275.D

Acq: 28 Jul 2015 18:51

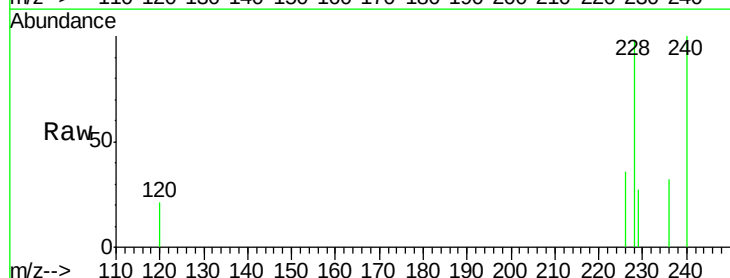
Tgt Ion:228 Resp: 1403

Ion Ratio Lower Upper

228 100

226 36.2 25.0 37.4

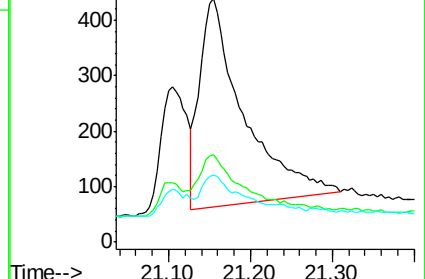
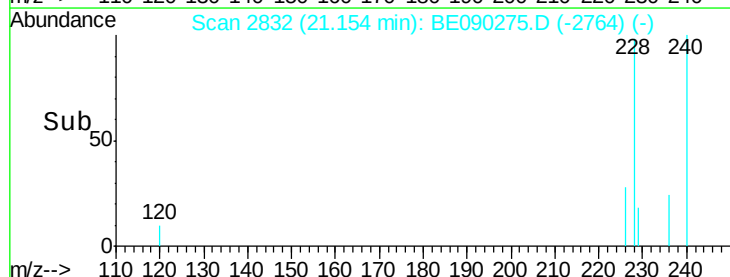
229 27.3 16.6 24.8#

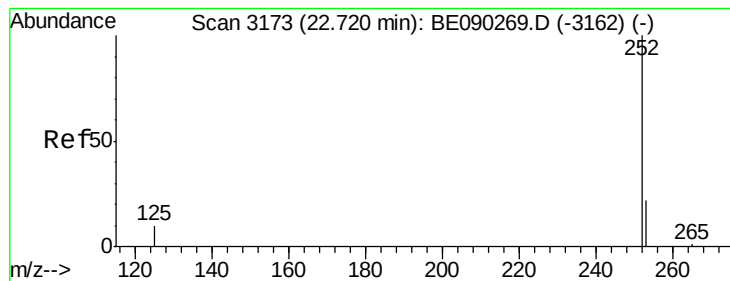


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.12 ng/ul

RT: 22.76 min Scan# 3182

Delta R.T. 0.04 min

Lab File: BE090275.D

Acq: 28 Jul 2015 18:51

Instrument :

BNA_E

ClientSampleId :

MDL-03-S

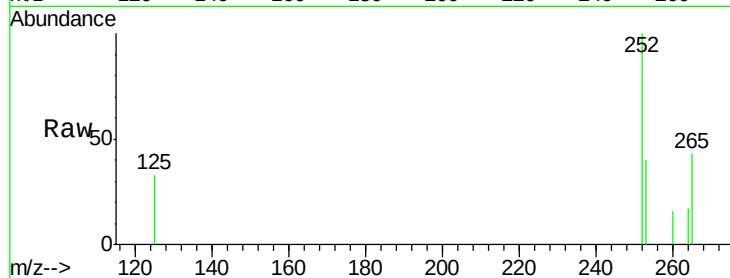
Tgt Ion:252 Resp: 449

Ion Ratio Lower Upper

252 100

253 40.4 0.0 57.2

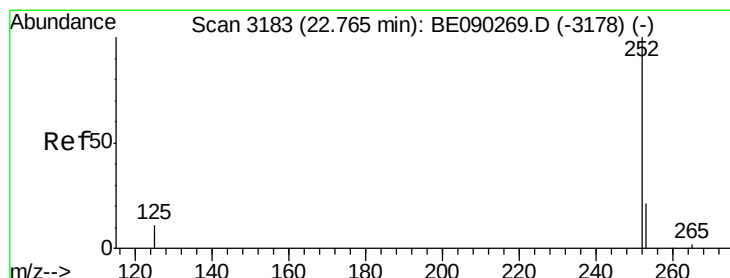
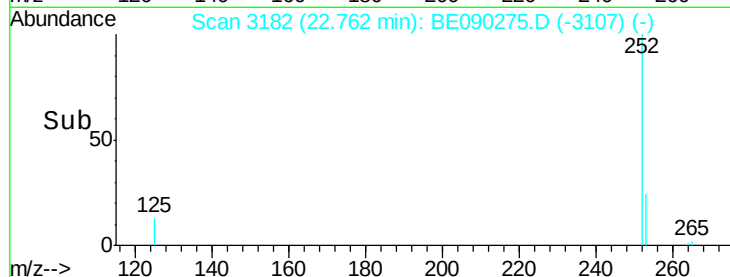
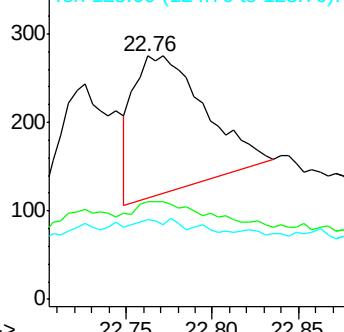
125 33.1 0.0 34.6



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: 0.04 ng/ul

RT: 22.76 min Scan# 3182

Delta R.T. -0.00 min

Lab File: BE090275.D

Acq: 28 Jul 2015 18:51

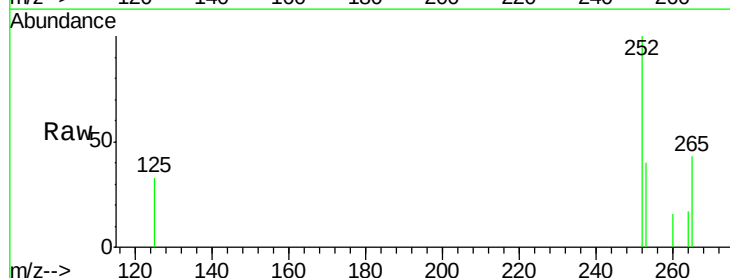
Tgt Ion:252 Resp: 449

Ion Ratio Lower Upper

252 100

253 40.4 21.3 31.9#

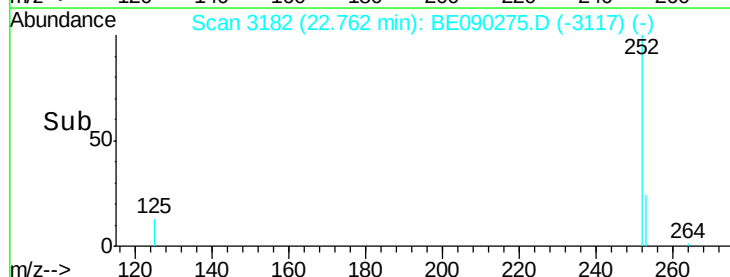
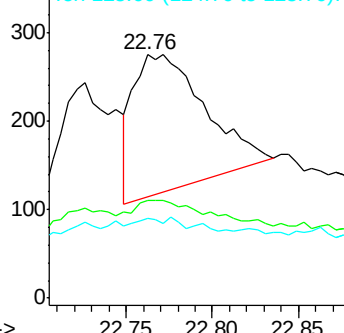
125 33.1 13.3 19.9#

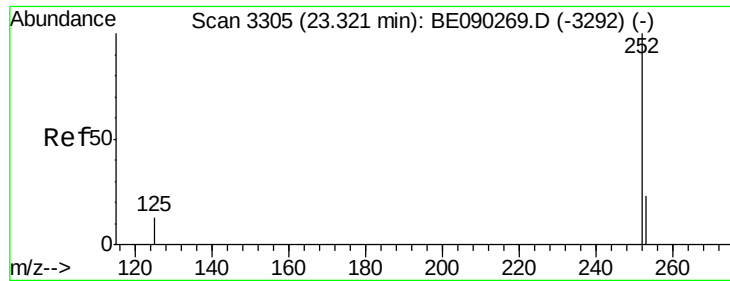


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.08 ng/ul

RT: 23.33 min Scan# 3306

Delta R.T. 0.01 min

Lab File: BE090275.D

Acq: 28 Jul 2015 18:51

Instrument :

BNA_E

ClientSampleId :

MDL-03-S

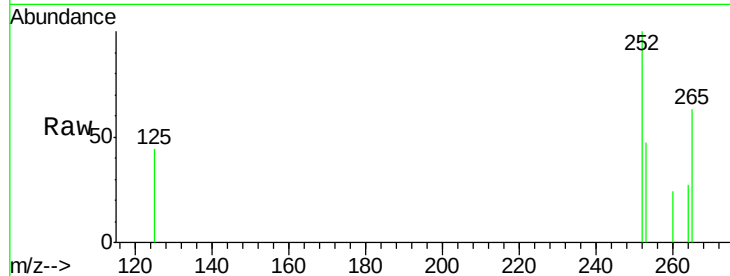
Tgt Ion: 252 Resp: 408

Ion Ratio Lower Upper

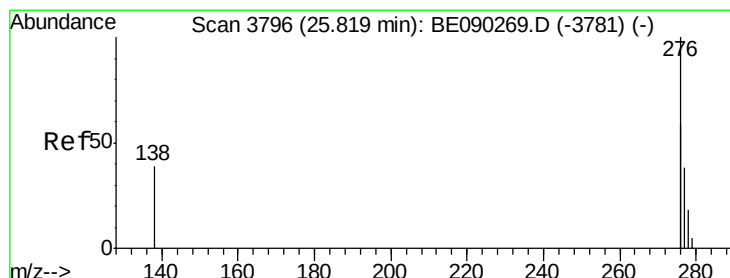
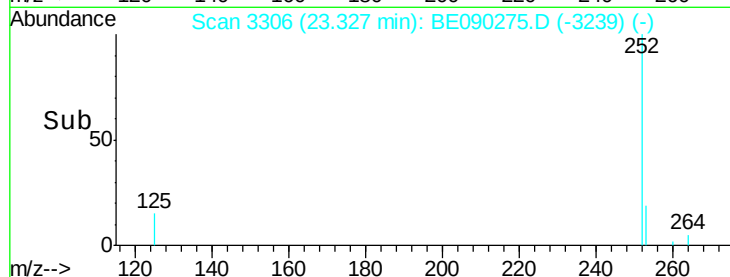
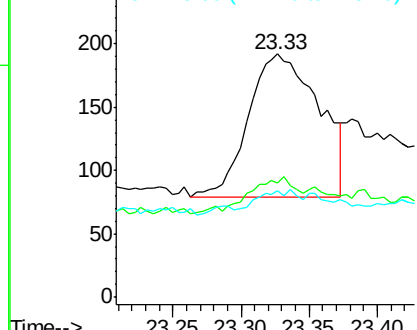
252 100

253 46.9 24.9 37.3#

125 43.8 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: 25.83 min Scan# 3797

Delta R.T. 0.01 min

Lab File: BE090275.D

Acq: 28 Jul 2015 18:51

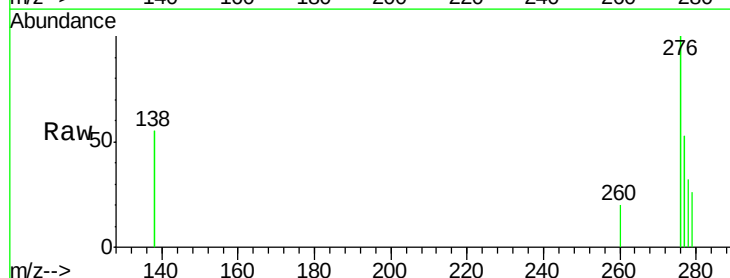
Tgt Ion: 276 Resp: 1487

Ion Ratio Lower Upper

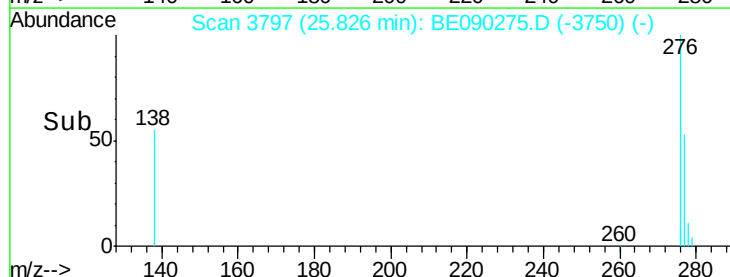
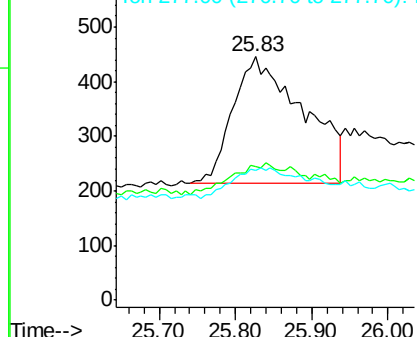
276 100

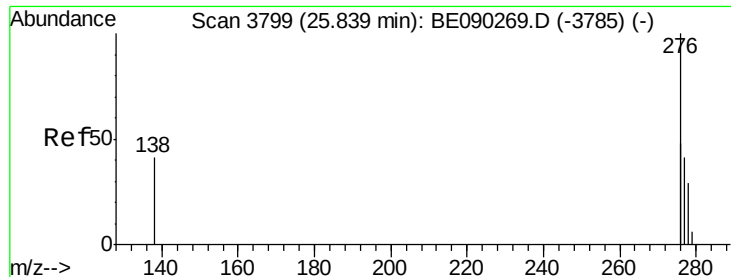
138 16.1 13.5 20.3

277 21.7 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

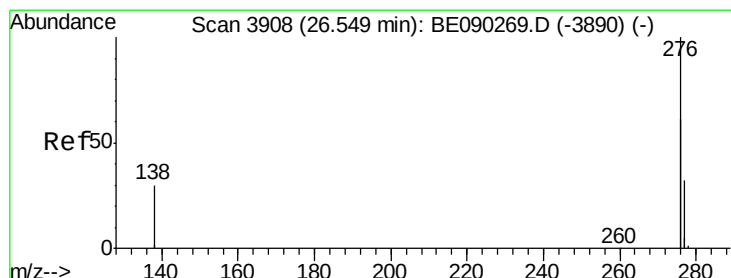
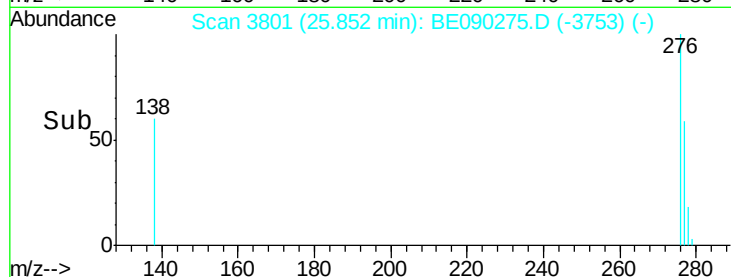
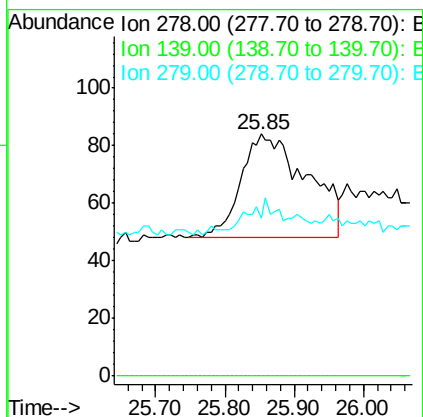
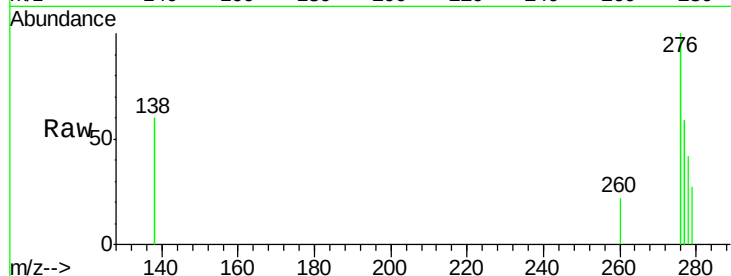




#25
Dibenzo(a,h)anthracene
Concen: 0.12 ng/ul
RT: 25.85 min Scan# 3801
Delta R.T. 0.01 min
Lab File: BE090275.D
Acq: 28 Jul 2015 18:51

Instrument :
BNA_E
ClientSampleId :
MDL-03-S

Tgt Ion: 278 Resp: 239
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 65.5 37.4 56.0#



#26
Benzo(g,h,i)perylene
Concen: 0.10 ng/ul
RT: 26.56 min Scan# 3909
Delta R.T. 0.01 min
Lab File: BE090275.D
Acq: 28 Jul 2015 18:51

Tgt Ion: 276 Resp: 2336
Ion Ratio Lower Upper
276 100
277 47.3 25.5 38.3#
138 47.0 23.9 35.9#

