

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072215\
 Data File : BE090223.D
 Acq On : 22 Jul 2015 6:54
 Operator : TP/IZ
 Sample : MDL-06-S
 Misc : MDL-SIM-SOIL-0.15PPM
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 22 08:45:33 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE072215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 22 05:40:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	715	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3523	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2034	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5333	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	2645	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	1213	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	2318	0.42	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	6130	0.40	ng/ul	0.00

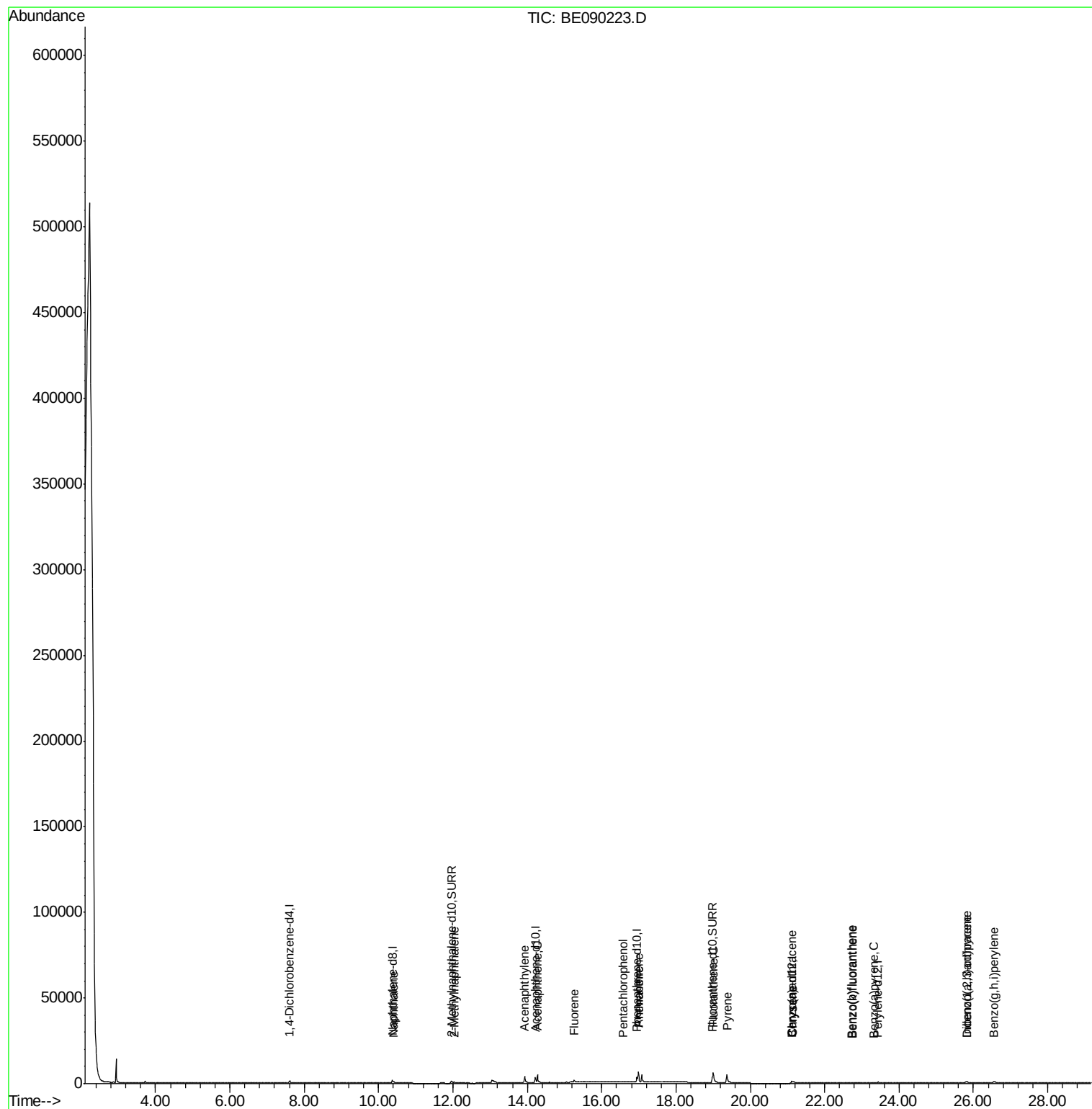
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	1240	0.13	ng/ul#	88
5) 2-Methylnaphthalene	12.03	142	856	0.14	ng/ul	100
7) Acenaphthylene	13.93	152	5917	0.14	ng/ul#	94
8) Acenaphthene	14.27	153	4255	0.14	ng/ul	98
9) Fluorene	15.27	166	1218	0.13	ng/ul#	95
11) Pentachlorophenol	16.59	266	1	0.00	ng/ul#	22
12) Phenanthrene	16.99	178	8213	0.13	ng/ul#	96
13) Anthracene	16.99	178	8213	0.14	ng/ul	95
15) Fluoranthene	19.00	202	9467	0.14	ng/ul	94
17) Pyrene	19.37	202	9298	0.21	ng/ul	94
18) Benzo(a)anthracene	21.10	228	458	0.11	ng/ul#	76
19) Chrysene	21.15	228	1182	0.11	ng/ul#	87
21) Benzo(b)fluoranthene	22.72	252	263	0.17	ng/ul#	57
22) Benzo(k)fluoranthene	22.76	252	361	0.08	ng/ul#	50
23) Benzo(a)pyrene	23.32	252	338	0.14	ng/ul#	56
24) Indeno(1,2,3-cd)pyrene	25.82	276	1028	0.15	ng/ul	96
25) Dibenzo(a,h)anthracene	25.85	278	190	0.16	ng/ul#	59
26) Benzo(g,h,i)perylene	26.56	276	1186	0.12	ng/ul#	54

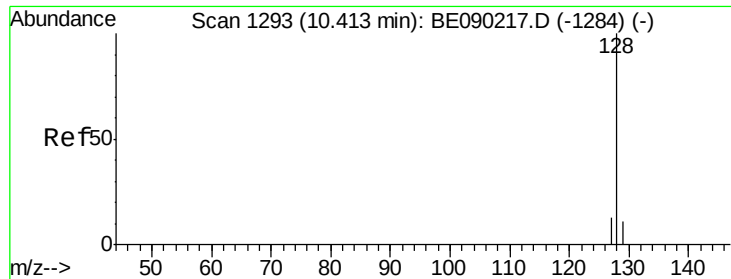
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072215\
Data File : BE090223.D
Acq On : 22 Jul 2015 6:54
Operator : TP/IZ
Sample : MDL-06-S
Misc : MDL-SIM-SOIL-0.15PPM
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Jul 22 08:45:33 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE072215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 22 05:40:44 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.13 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BE090223.D

Acq: 22 Jul 2015 6:54

Instrument :

BNA_E

ClientSampleId :

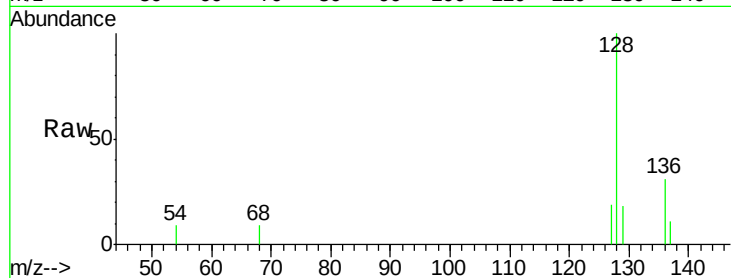
Tot Ion:128 Resp: 1240

Ion Ratio Lower Upper

128 100

129 18.2 10.2 15.2#

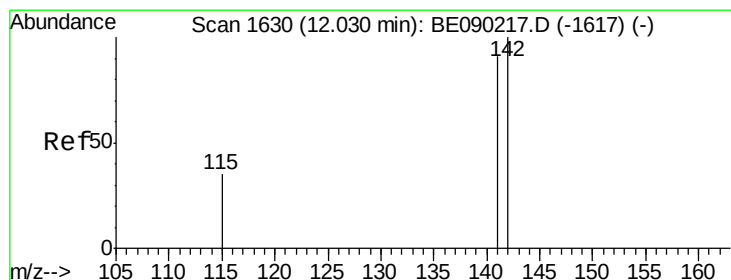
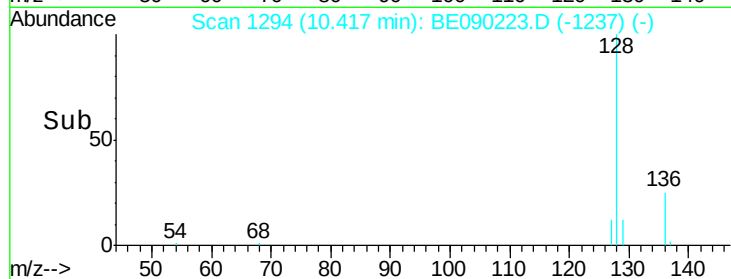
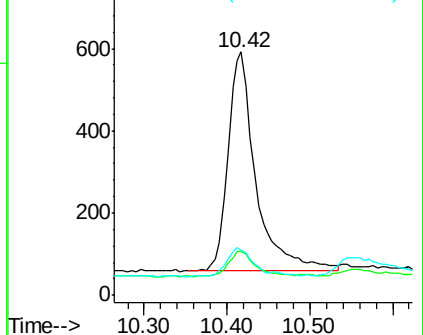
127 18.8 11.8 17.6#



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: 0.14 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE090223.D

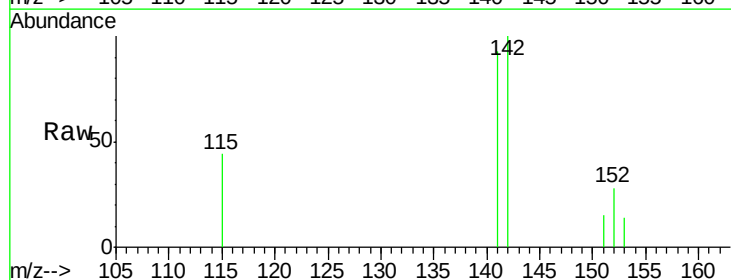
Acq: 22 Jul 2015 6:54

Tgt Ion:142 Resp: 856

Ion Ratio Lower Upper

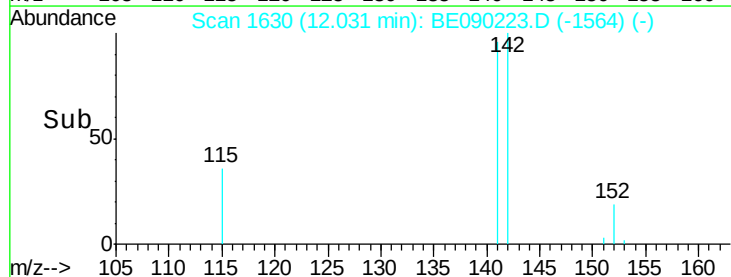
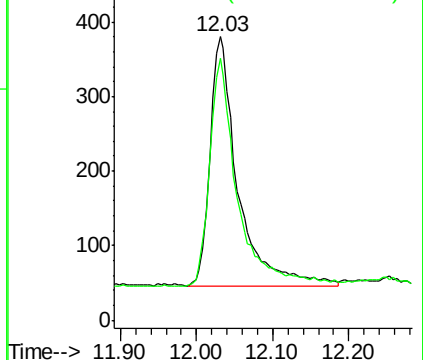
142 100

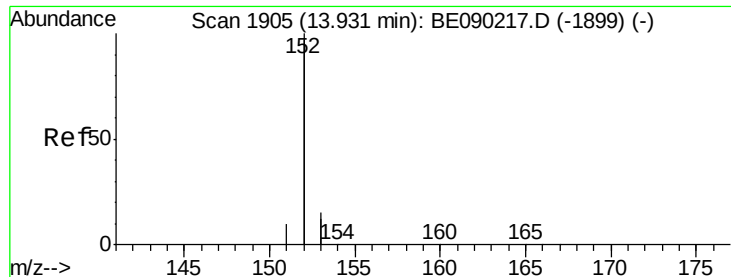
141 91.0 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.14 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BE090223.D

Acq: 22 Jul 2015 6:54

Instrument :

BNA_E

ClientSampleId :

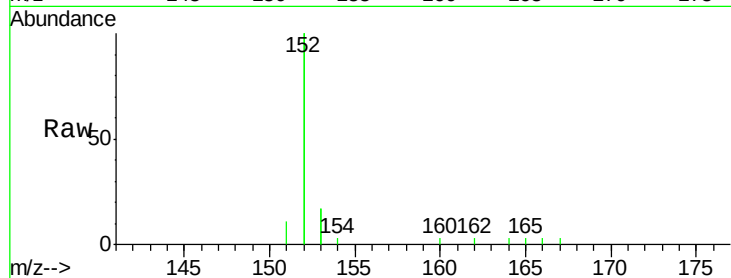
Tot Ion:152 Resp: 5917

Ion Ratio Lower Upper

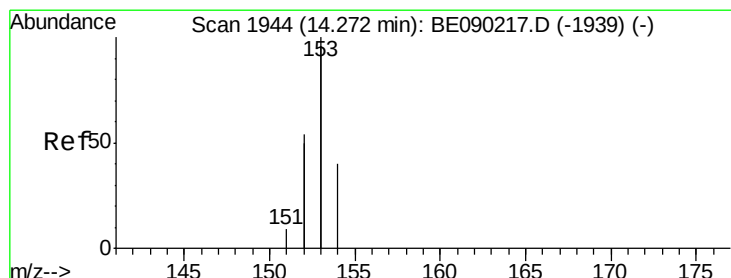
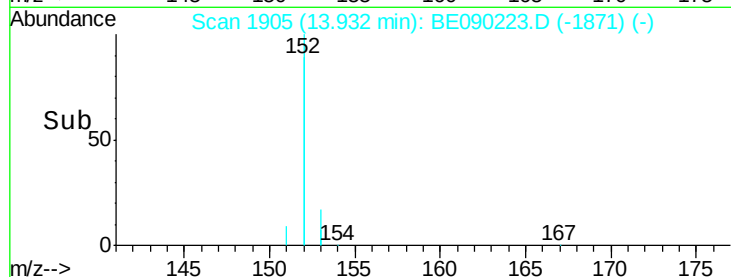
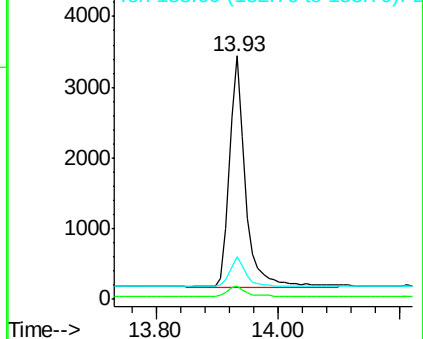
152 100

151 5.7 4.2 6.4

153 17.4 11.5 17.3#



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: 0.14 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BE090223.D

Acq: 22 Jul 2015 6:54

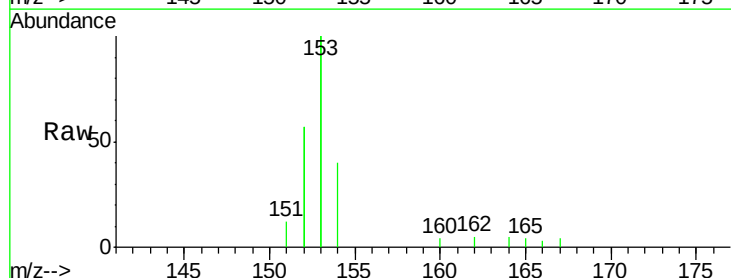
Tgt Ion:153 Resp: 4255

Ion Ratio Lower Upper

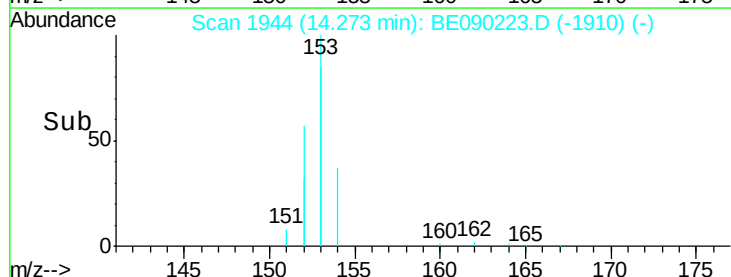
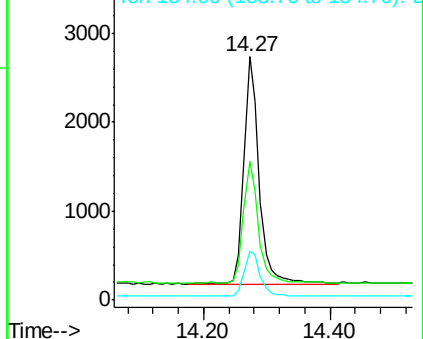
153 100

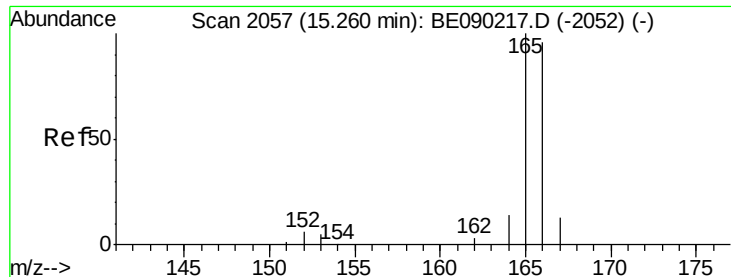
152 57.2 45.0 67.4

154 20.0 16.8 25.2



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: 15.27 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BE090223.D

Acq: 22 Jul 2015 6:54

Instrument :

BNA_E

ClientSampleId :

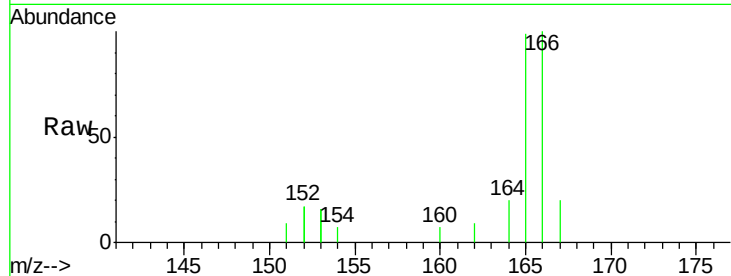
Tot Ion:166 Resp: 1218

Ion Ratio Lower Upper

166 100

165 98.7 81.9 122.9

167 20.4 12.2 18.2#



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

15.27

800

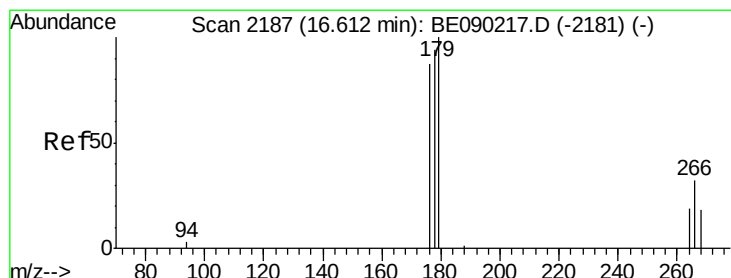
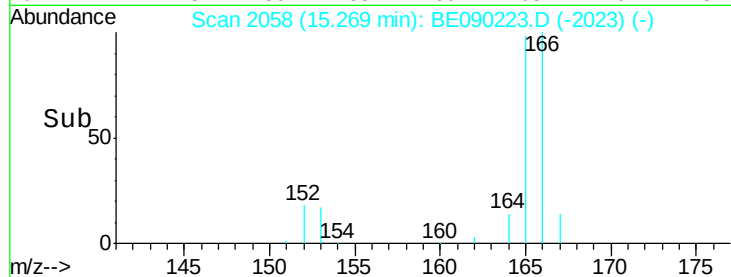
600

400

200

0

Time-->



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.59 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BE090223.D

Acq: 22 Jul 2015 6:54

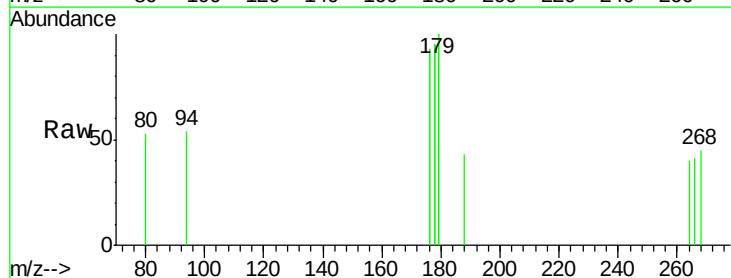
Tgt Ion:266 Resp: 1

Ion Ratio Lower Upper

266 100

264 0.0 51.6 77.4#

268 0.0 41.3 61.9#



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

16.59

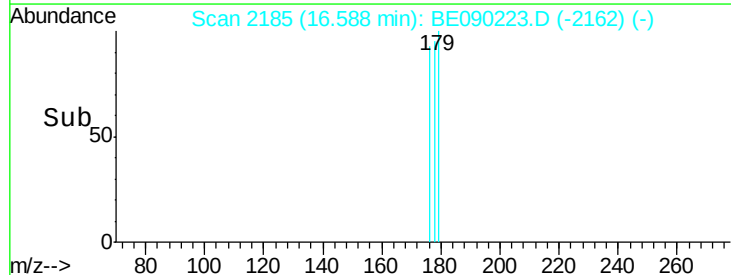
60

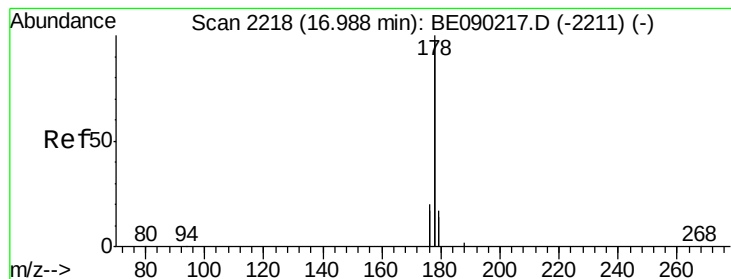
40

20

0

Time-->





#12

Phenanthrene

Concen: 0.13 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.00 min

Lab File: BE090223.D

Acq: 22 Jul 2015 6:54

Instrument :

BNA_E

ClientSampleId :

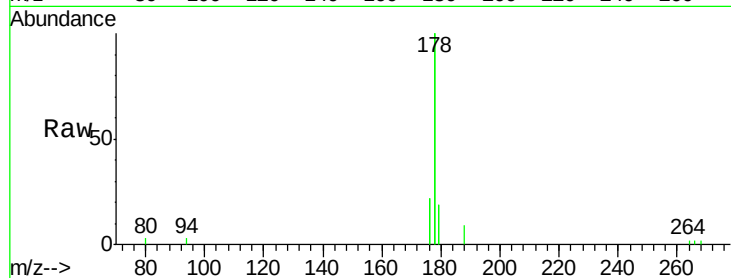
Tot Ion:178 Resp: 8213

Ion Ratio Lower Upper

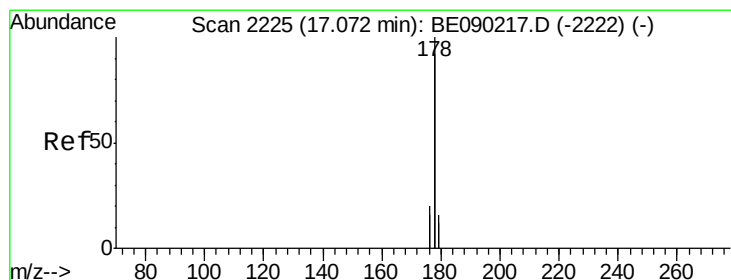
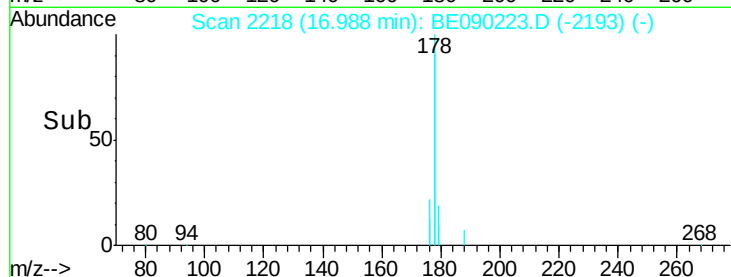
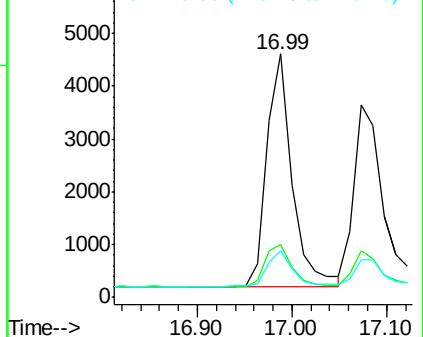
178 100

176 21.9 17.6 26.4

179 19.3 12.2 18.4#



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: 0.14 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. -0.08 min

Lab File: BE090223.D

Acq: 22 Jul 2015 6:54

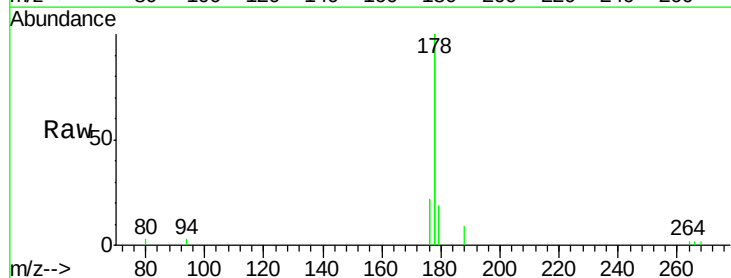
Tgt Ion:178 Resp: 8213

Ion Ratio Lower Upper

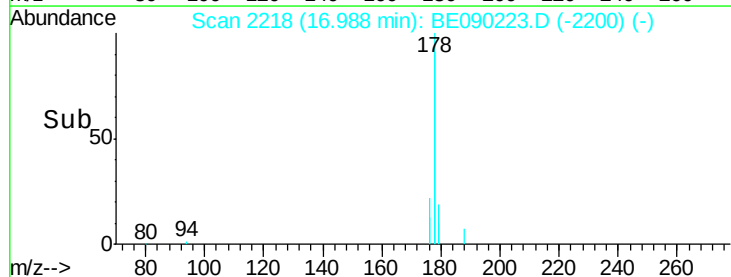
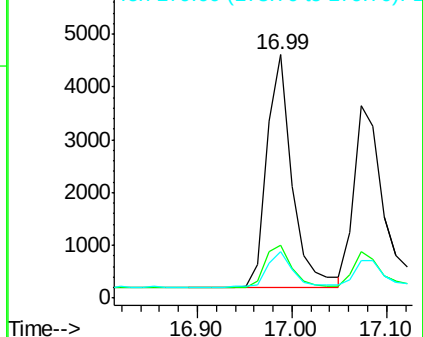
178 100

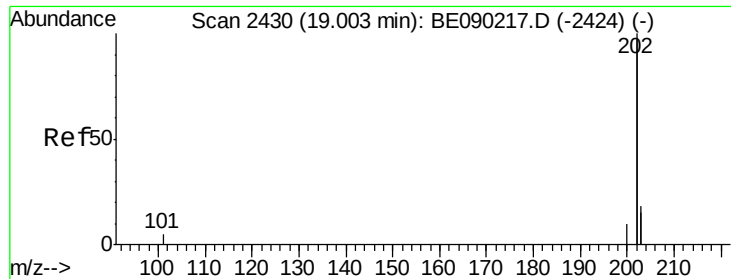
176 21.9 15.9 23.9

179 19.3 13.3 19.9



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# 2430

Delta R.T. 0.00 min

Lab File: BE090223.D

Acq: 22 Jul 2015 6:54

Instrument :

BNA_E

ClientSampleId :

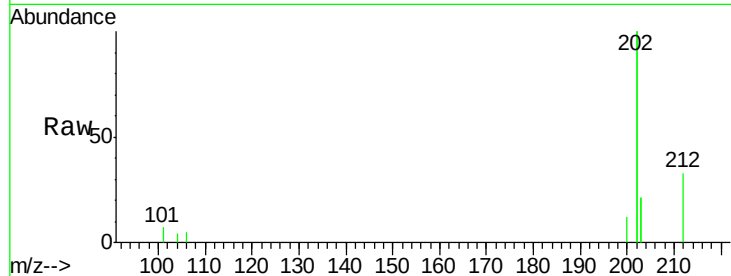
Tot Ion:202 Resp: 9467

Ion Ratio Lower Upper

202 100

101 3.7 0.0 23.0

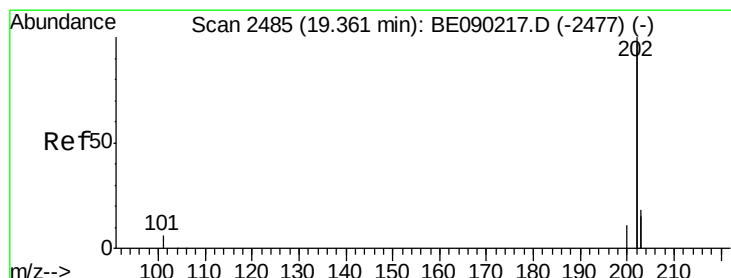
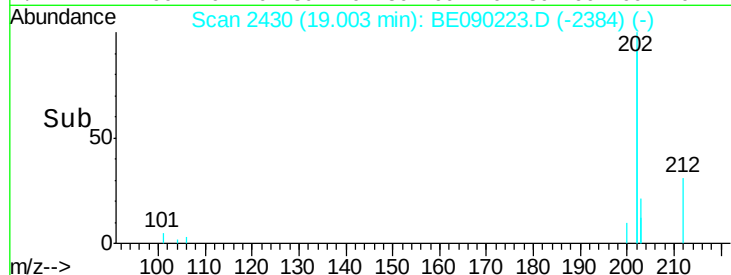
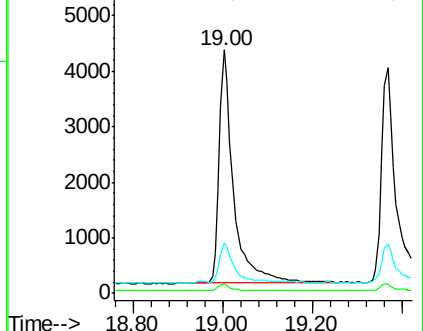
203 20.7 0.0 37.8



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: 0.21 ng/ul

RT: 19.37 min Scan# 2486

Delta R.T. 0.01 min

Lab File: BE090223.D

Acq: 22 Jul 2015 6:54

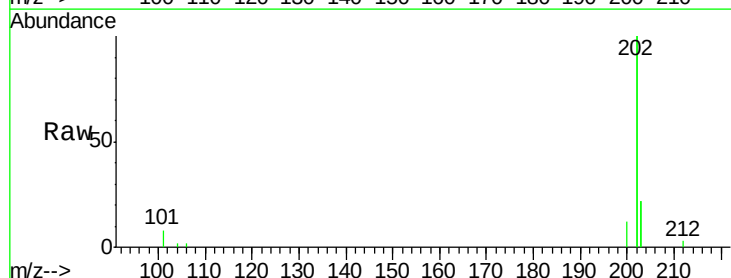
Tgt Ion:202 Resp: 9298

Ion Ratio Lower Upper

202 100

200 6.0 4.4 6.6

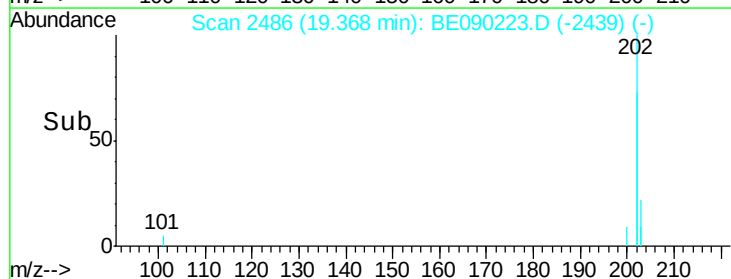
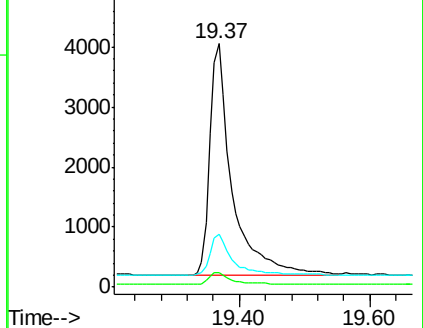
203 21.7 14.6 22.0

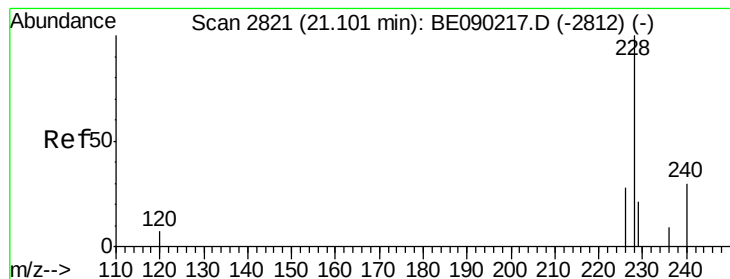


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2820

Delta R.T. -0.00 min

Lab File: BE090223.D

Acq: 22 Jul 2015 6:54

Instrument :

BNA_E

ClientSampled :

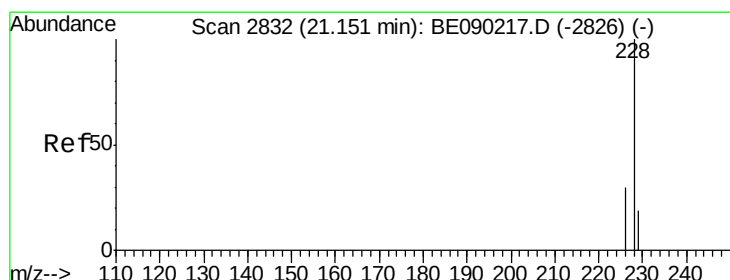
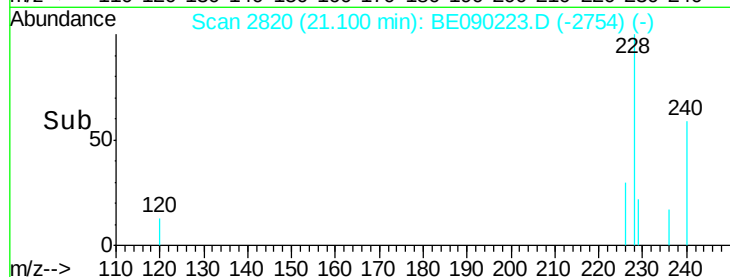
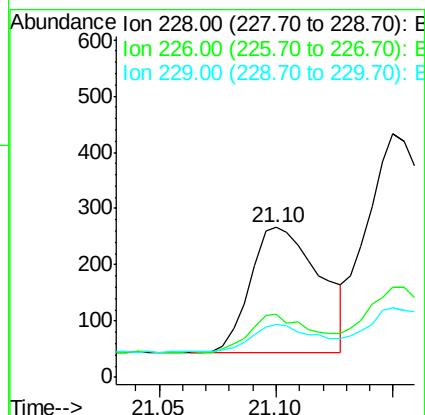
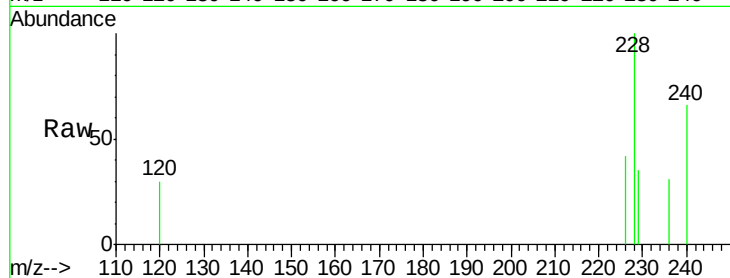
Tot Ion:228 Resp: 458

Ion Ratio Lower Upper

228 100

226 42.1 24.1 36.1#

229 35.3 17.9 26.9#



#19

Chrysene

Concen: 0.11 ng/ul

RT: 21.15 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE090223.D

Acq: 22 Jul 2015 6:54

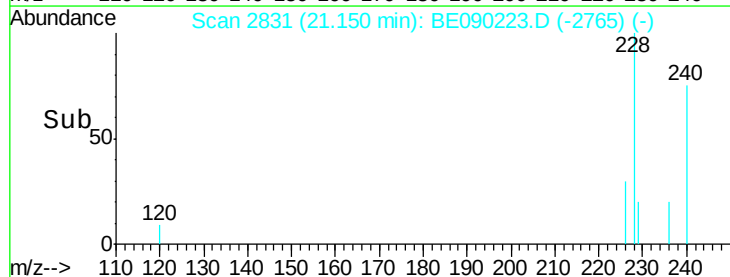
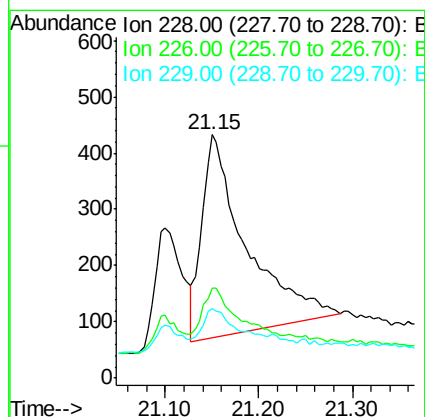
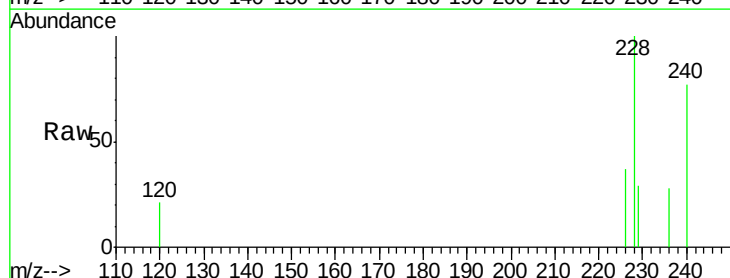
Tgt Ion:228 Resp: 1182

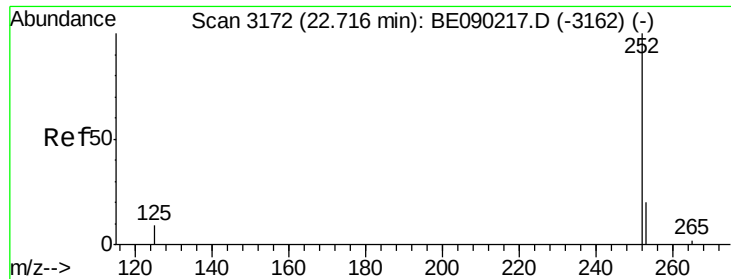
Ion Ratio Lower Upper

228 100

226 37.2 24.6 36.8#

229 28.6 17.4 26.2#

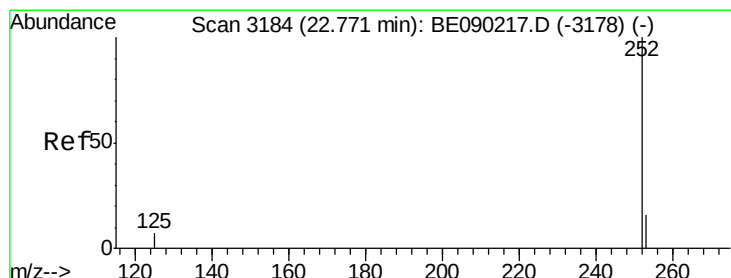
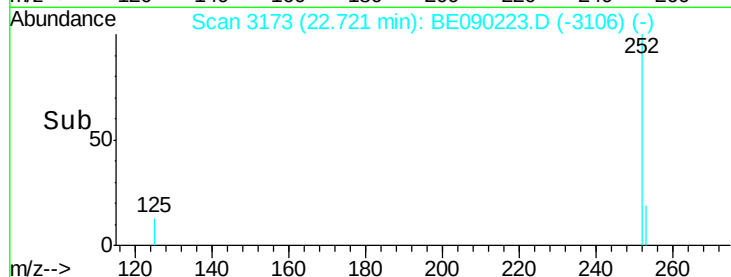
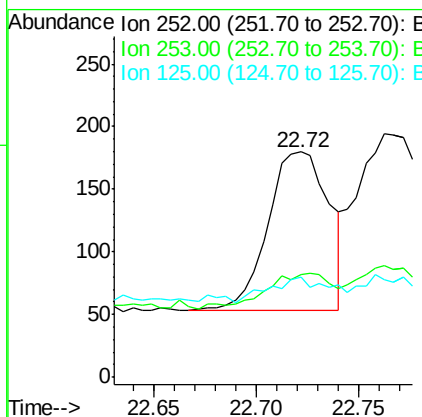
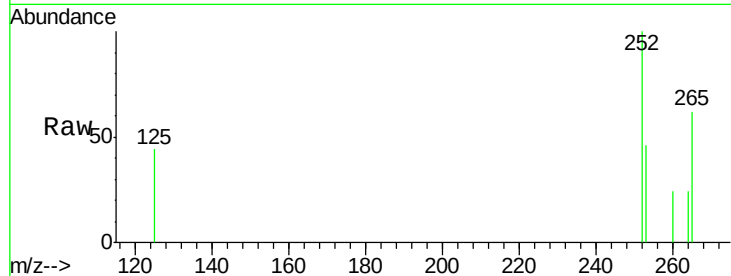




#21
Benzo(b)fluoranthene
Concen: 0.17 ng/ul
RT: 22.72 min Scan# 3173
Delta R.T. 0.01 min
Lab File: BE090223.D
Acq: 22 Jul 2015 6:54

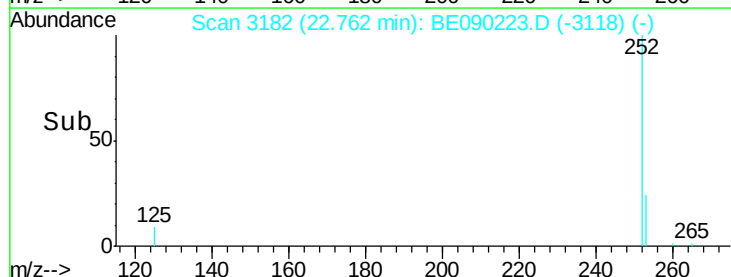
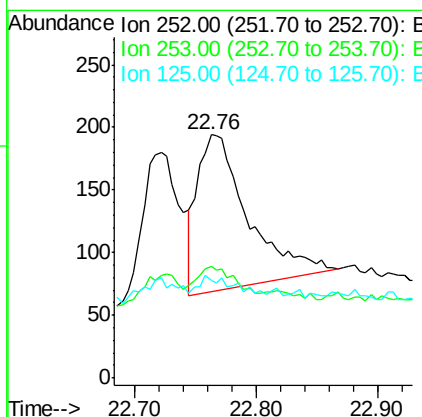
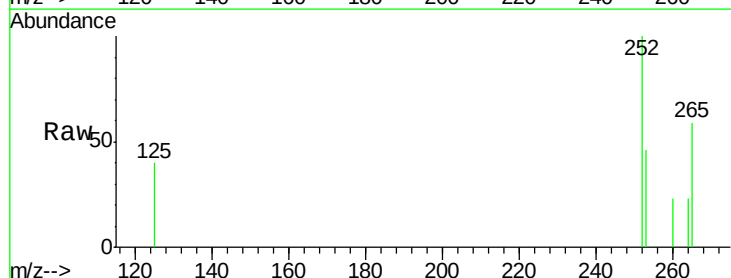
Instrument :
BNA_E
ClientSampleId :

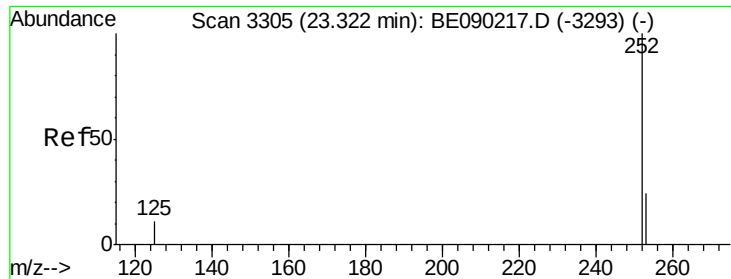
Tot Ion:252 Resp: 263
Ion Ratio Lower Upper
252 100
253 45.6 0.0 56.8
125 44.4 0.0 37.0#



#22
Benzo(k)fluoranthene
Concen: 0.08 ng/ul
RT: 22.76 min Scan# 3182
Delta R.T. -0.01 min
Lab File: BE090223.D
Acq: 22 Jul 2015 6:54

Tgt Ion:252 Resp: 361
Ion Ratio Lower Upper
252 100
253 45.9 19.5 29.3#
125 40.2 11.9 17.9#





#23

Benzo(a)pyrene

Concen: 0.14 ng/ul

RT: 23.32 min Scan# 3304

Delta R.T. -0.00 min

Lab File: BE090223.D

Acq: 22 Jul 2015 6:54

Instrument :

BNA_E

ClientSampled :

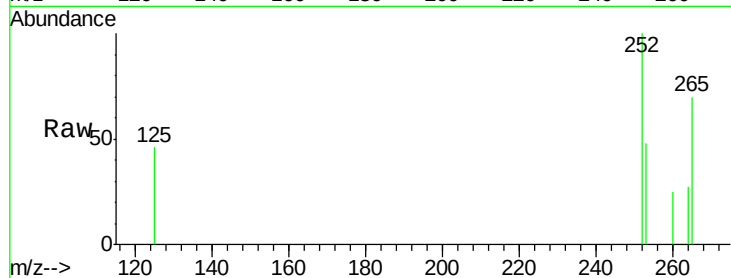
Tot Ion:252 Resp: 338

Ion Ratio Lower Upper

252 100

253 48.0 23.7 35.5#

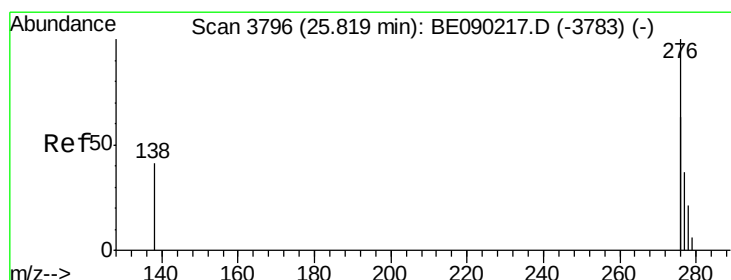
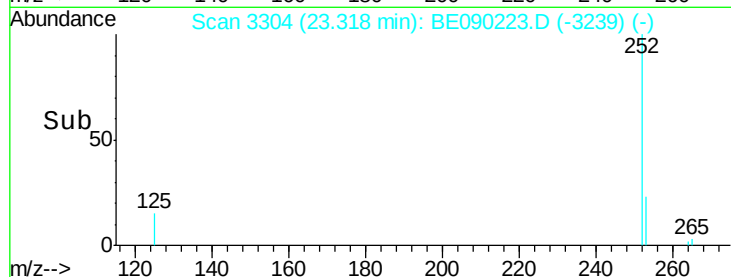
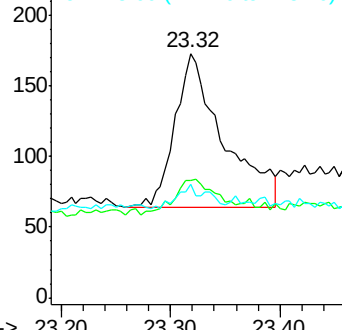
125 46.2 15.4 23.2#



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: 0.15 ng/ul

RT: 25.82 min Scan# 3796

Delta R.T. 0.00 min

Lab File: BE090223.D

Acq: 22 Jul 2015 6:54

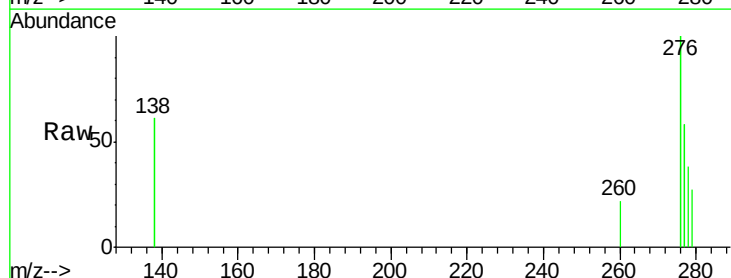
Tgt Ion:276 Resp: 1028

Ion Ratio Lower Upper

276 100

138 23.3 16.9 25.3

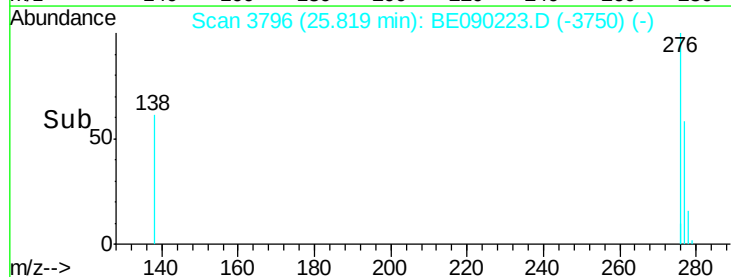
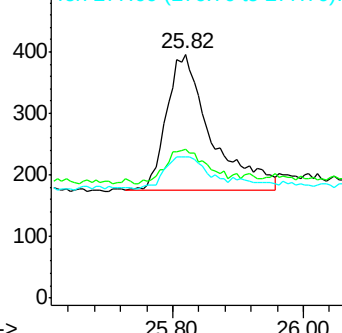
277 22.7 17.0 25.4

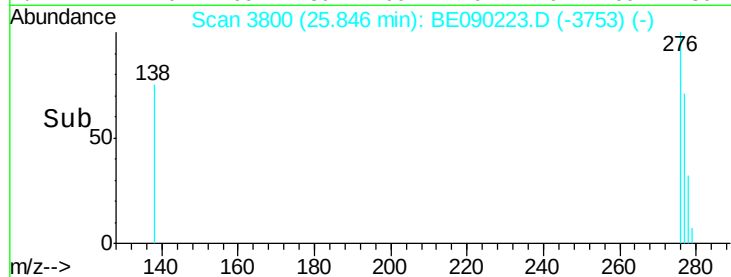
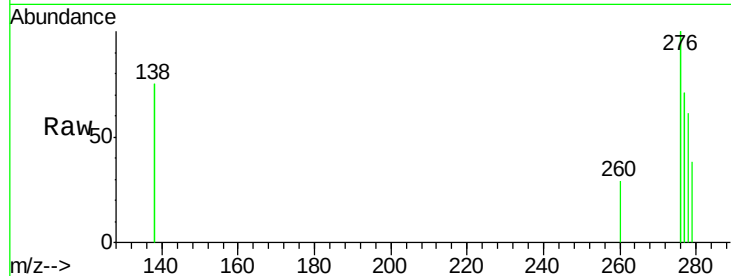
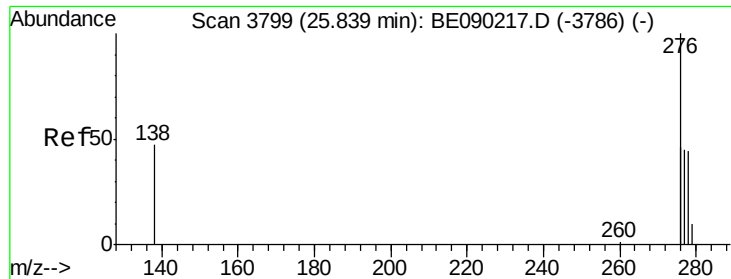


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

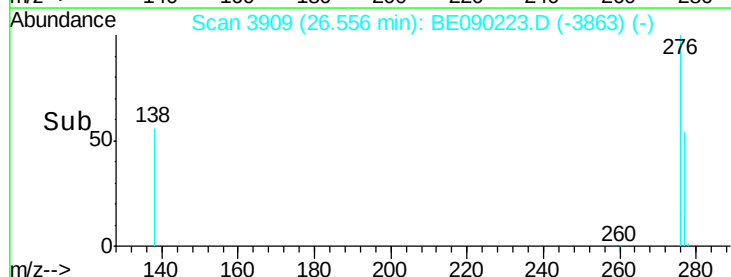
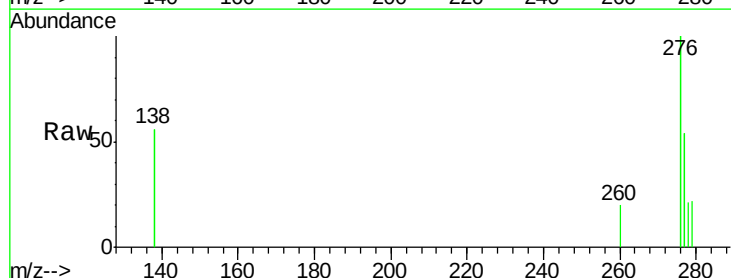
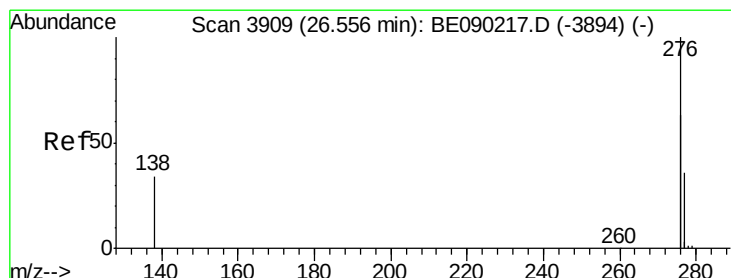
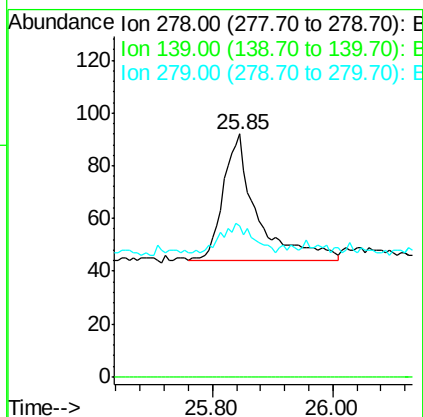




#25
Dibenzo(a,h)anthracene
Concen: 0.16 ng/ul
RT: 25.85 min Scan# 3800
Delta R.T. 0.01 min
Lab File: BE090223.D
Acq: 22 Jul 2015 6:54

Instrument :
BNA_E
ClientSampled :

Tot Ion:278 Resp: 190
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 62.0 30.1 45.1#



#26
Benzo(g,h,i)perylene
Concen: 0.12 ng/ul
RT: 26.56 min Scan# 3909
Delta R.T. 0.00 min
Lab File: BE090223.D
Acq: 22 Jul 2015 6:54

Tgt Ion:276 Resp: 1186
Ion Ratio Lower Upper
276 100
277 53.8 24.6 36.8#
138 56.1 23.5 35.3#

