

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072215\
 Data File : BE090222.D
 Acq On : 22 Jul 2015 6:18
 Operator : TP/IZ
 Sample : MDL-05-S
 Misc : MDL-SIM-SOIL-0.15PPM
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 22 08:45:24 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	574	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	2890	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	1694	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	4556	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	2276	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	958	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	1887	0.42	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	4979	0.38	ng/ul	0.00

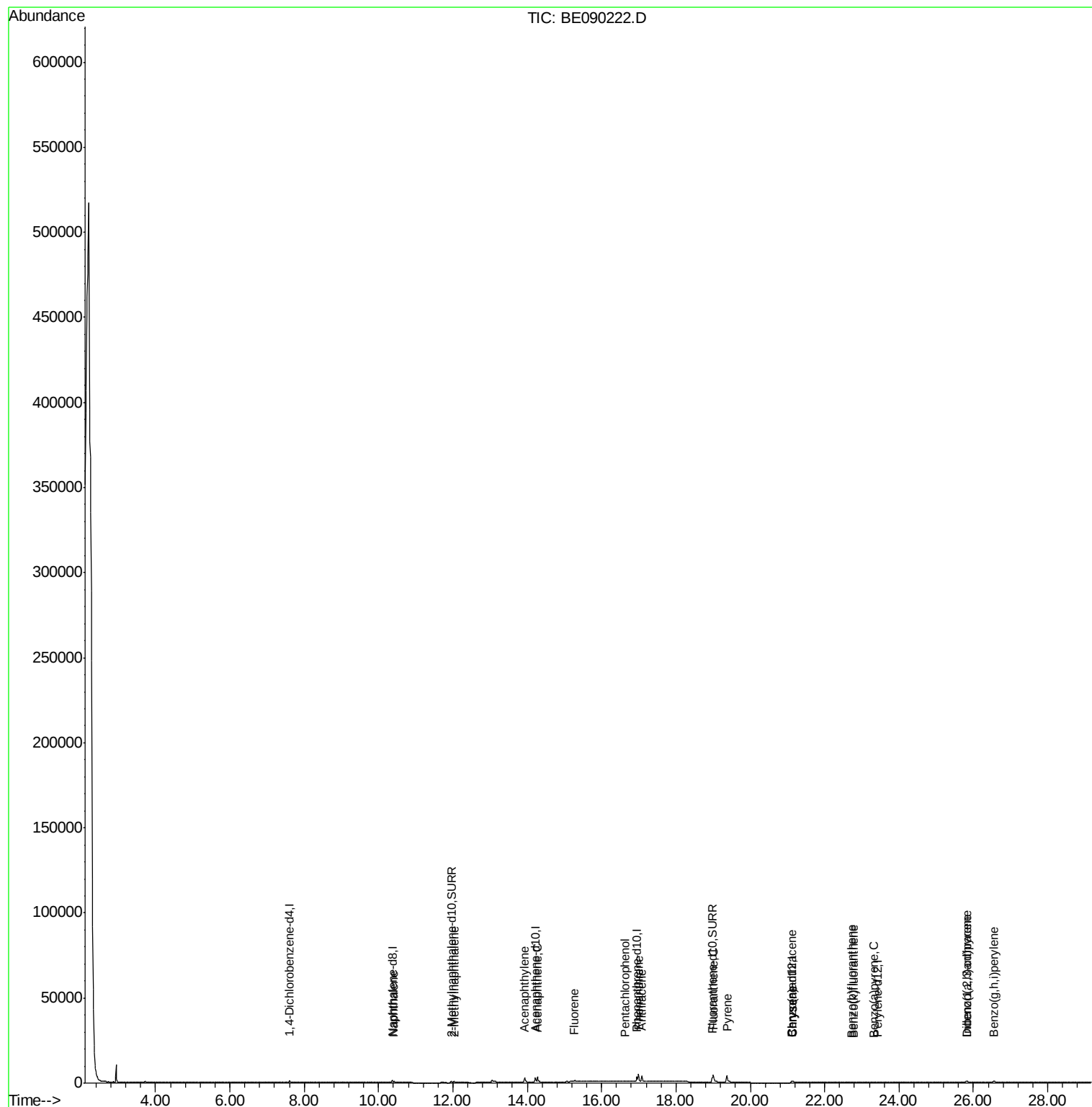
Target Compounds						Ovalue
3) Naphthalene	10.42	128	897	0.12	ng/ul#	81
5) 2-Methylnaphthalene	12.03	142	609	0.12	ng/ul	100
7) Acenaphthylene	13.93	152	4277	0.12	ng/ul#	89
8) Acenaphthene	14.27	153	3110	0.12	ng/ul	96
9) Fluorene	15.27	166	929	0.12	ng/ul#	96
11) Pentachlorophenol	16.63	266	3	0.01	ng/ul#	1
12) Phenanthrene	16.99	178	6013	0.11	ng/ul#	94
13) Anthracene	17.07	178	6142	0.12	ng/ul#	90
15) Fluoranthene	19.00	202	7058	0.12	ng/ul	90
17) Pyrene	19.37	202	7089	0.19	ng/ul#	90
18) Benzo(a)anthracene	21.10	228	328	0.09	ng/ul#	75
19) Chrysene	21.15	228	852	0.09	ng/ul#	84
21) Benzo(b)fluoranthene	22.72	252	190	0.15	ng/ul#	47
22) Benzo(k)fluoranthene	22.76	252	252	0.07	ng/ul#	45
23) Benzo(a)pyrene	23.31	252	204	0.11	ng/ul#	46
24) Indeno(1,2,3-cd)pyrene	25.82	276	699	0.13	ng/ul	97
25) Dibenzo(a,h)anthracene	25.83	278	113	0.12	ng/ul#	45
26) Benzo(g,h,i)perylene	26.55	276	873	0.11	ng/ul#	44

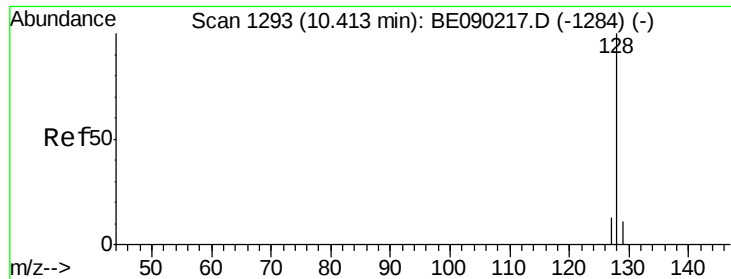
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 22 05:40:44 2015
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#3

Naphthalene

Concen: 0.12 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BE090222.D

Acq: 22 Jul 2015 6:18

Instrument :

BNA_E

ClientSampleId :

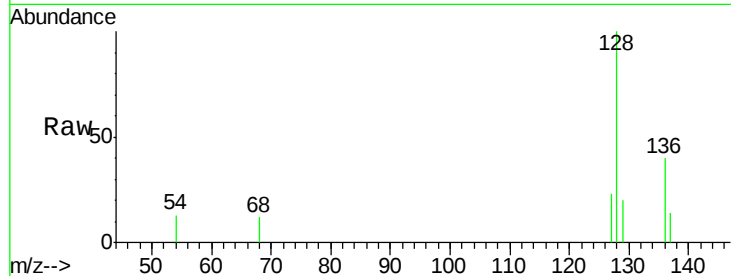
Tot Ion:128 Resp: 897

Ion Ratio Lower Upper

128 100

129 19.9 10.2 15.2#

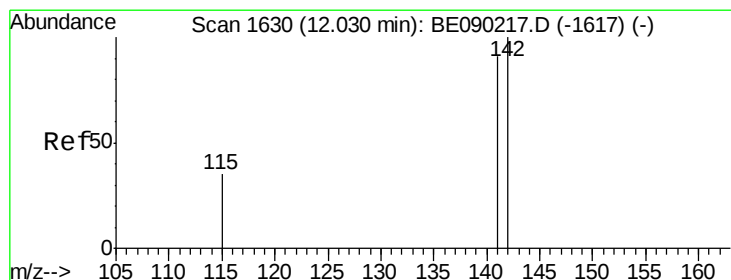
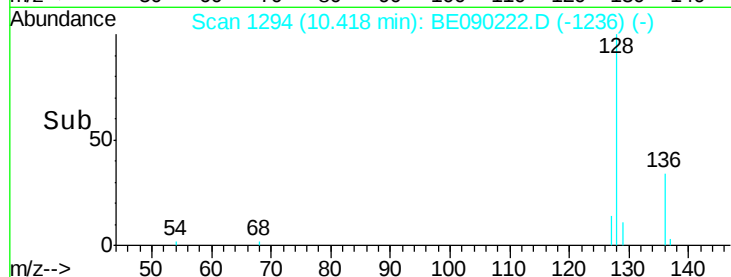
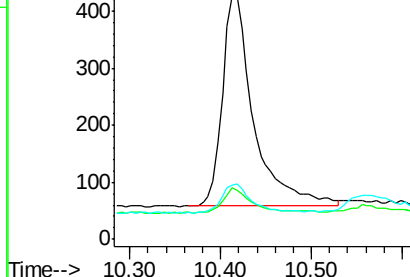
127 23.0 11.8 17.6#



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: 0.12 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE090222.D

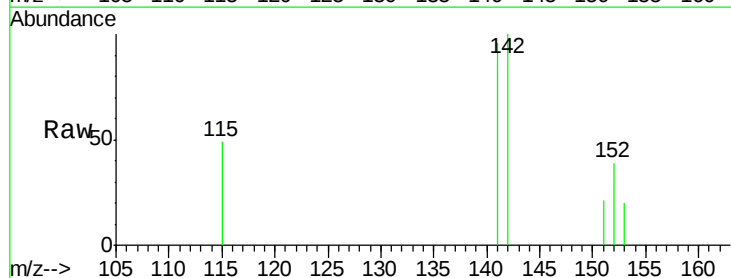
Acq: 22 Jul 2015 6:18

Tgt Ion:142 Resp: 609

Ion Ratio Lower Upper

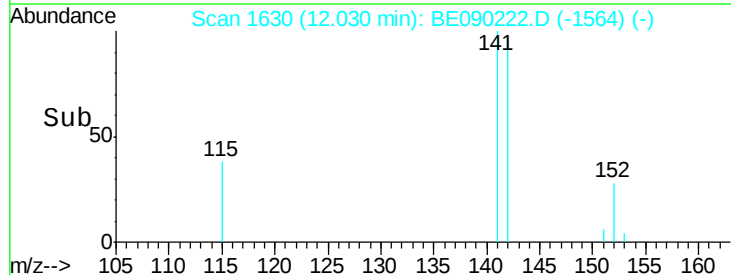
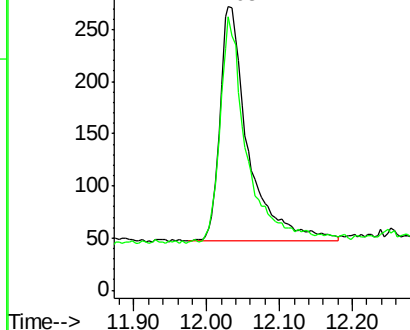
142 100

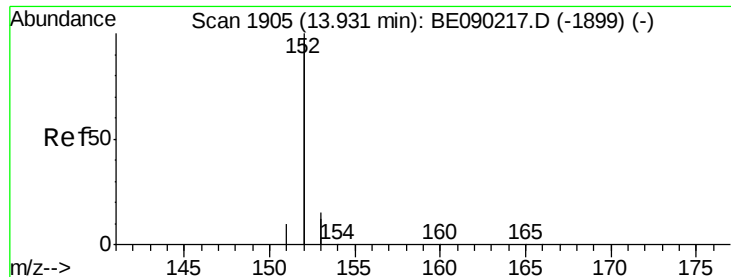
141 91.3 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.12 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BE090222.D

Acq: 22 Jul 2015 6:18

Instrument :

BNA_E

ClientSampleId :

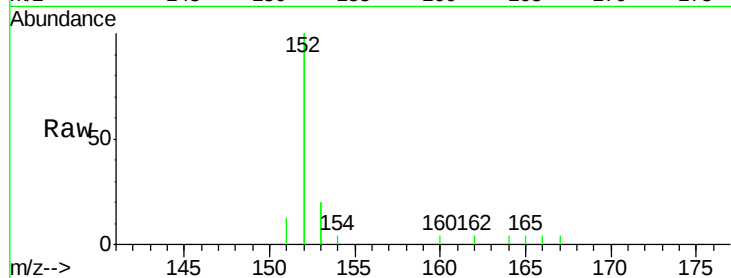
Tot Ion:152 Resp: 4277

Ion Ratio Lower Upper

152 100

151 6.4 4.2 6.4#

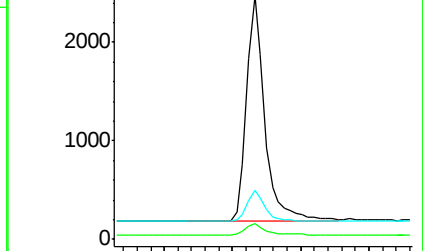
153 20.0 11.5 17.3#



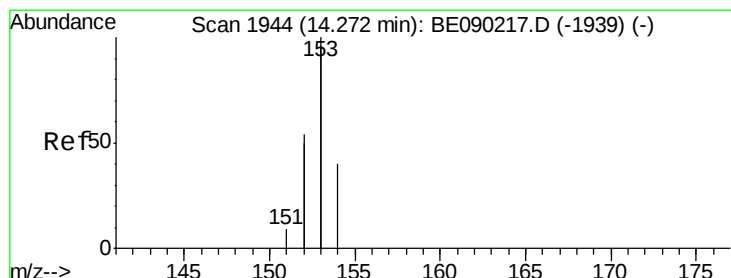
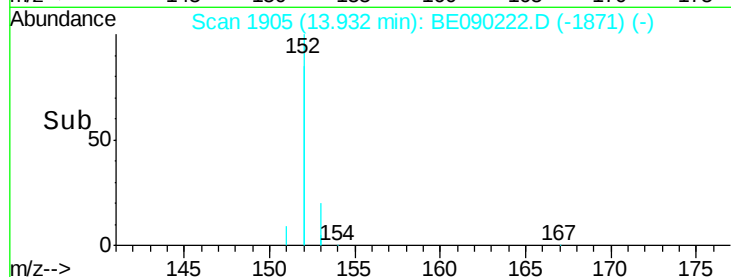
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#8

Acenaphthene

Concen: 0.12 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BE090222.D

Acq: 22 Jul 2015 6:18

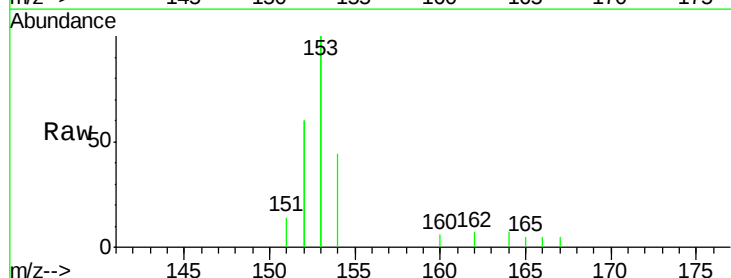
Tgt Ion:153 Resp: 3110

Ion Ratio Lower Upper

153 100

152 59.9 45.0 67.4

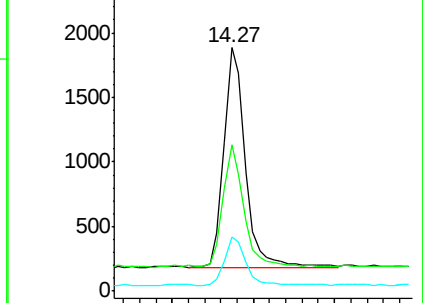
154 22.1 16.8 25.2



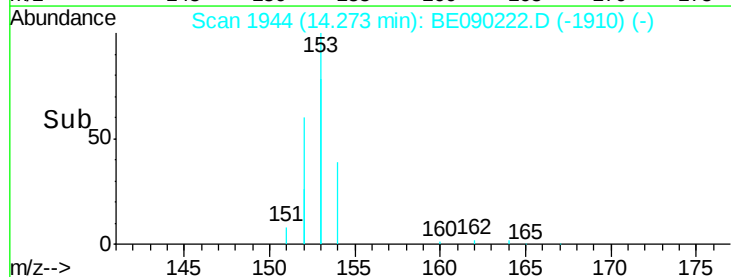
Abundance Ion 153.00 (152.70 to 153.70): E

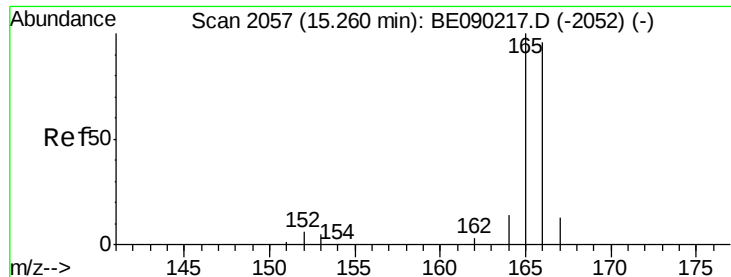
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->





#9

Fluorene

Concen: 0.12 ng/ul

RT: 15.27 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BE090222.D

Acq: 22 Jul 2015 6:18

Instrument :

BNA_E

ClientSampleId :

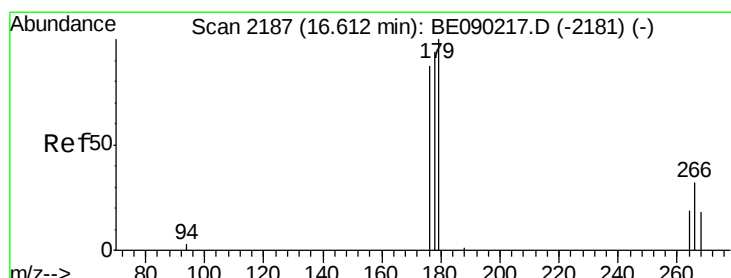
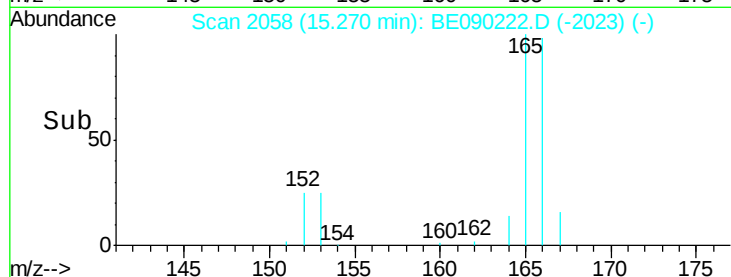
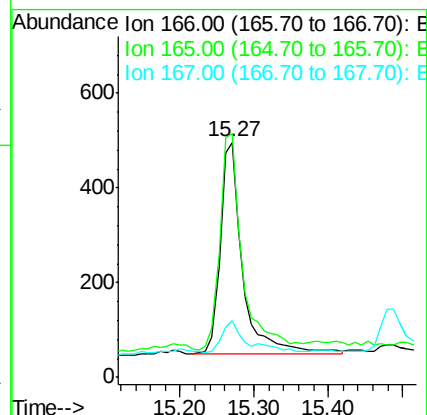
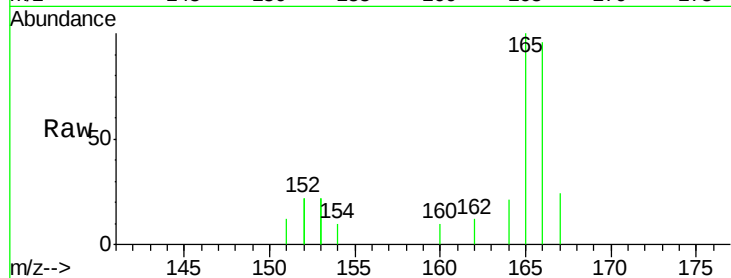
Tot Ion:166 Resp: 929

Ion Ratio Lower Upper

166 100

165 103.6 81.9 122.9

167 24.4 12.2 18.2#



#11

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.63 min Scan# 2188

Delta R.T. 0.01 min

Lab File: BE090222.D

Acq: 22 Jul 2015 6:18

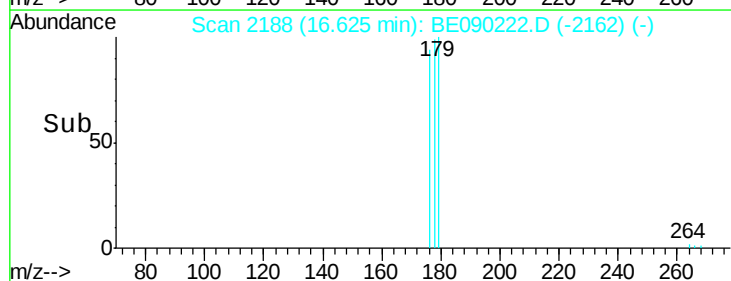
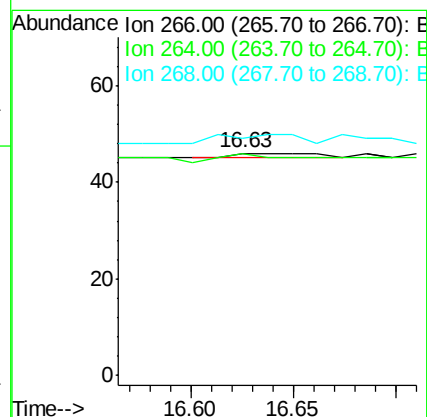
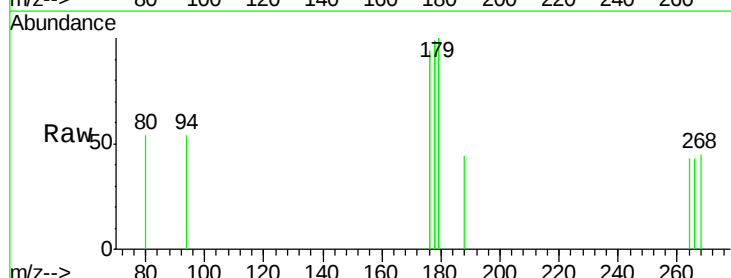
Tgt Ion:266 Resp: 3

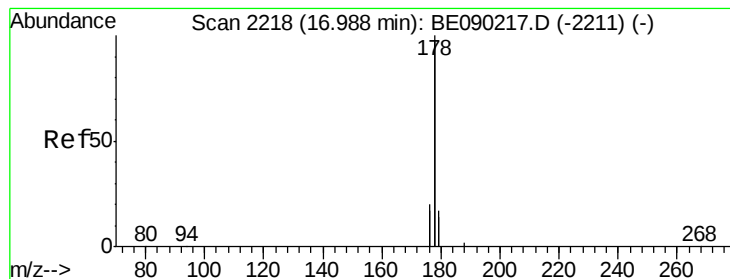
Ion Ratio Lower Upper

266 100

264 133.3 51.6 77.4#

268 166.7 41.3 61.9#





#12

Phenanthrene

Concen: 0.11 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.00 min

Lab File: BE090222.D

Acq: 22 Jul 2015 6:18

Instrument :

BNA_E

ClientSampleId :

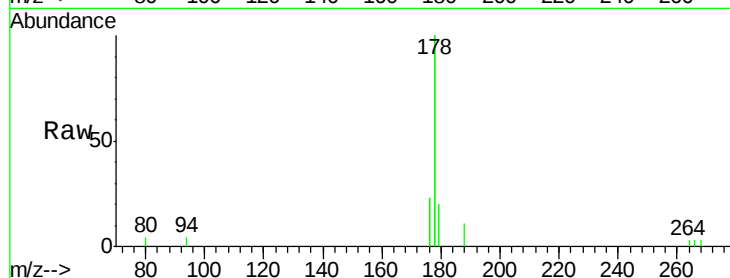
Tot Ion:178 Resp: 6013

Ion Ratio Lower Upper

178 100

176 23.0 17.6 26.4

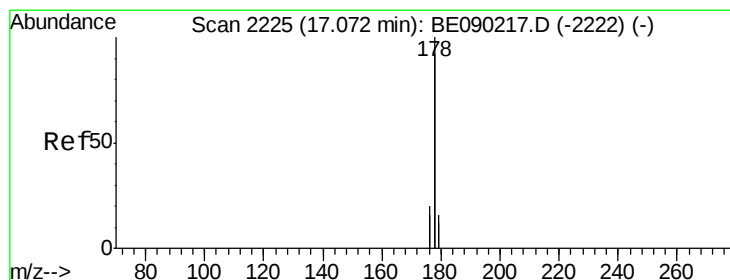
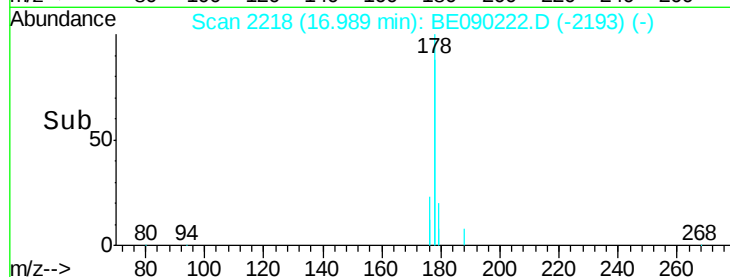
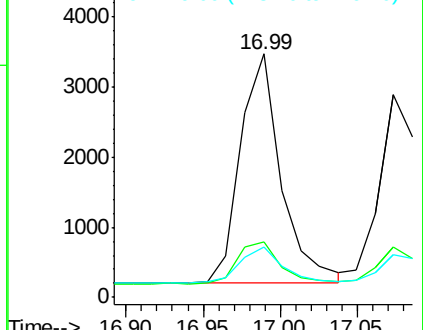
179 20.4 12.2 18.4#



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: 0.12 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE090222.D

Acq: 22 Jul 2015 6:18

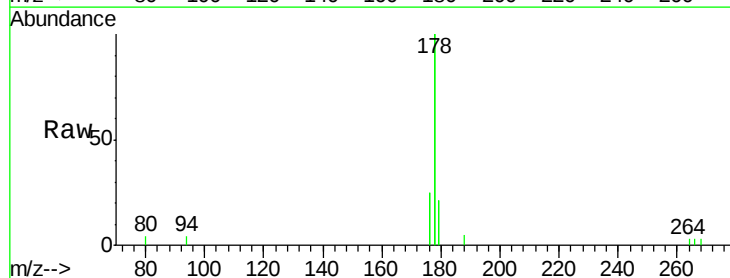
Tgt Ion:178 Resp: 6142

Ion Ratio Lower Upper

178 100

176 24.9 15.9 23.9#

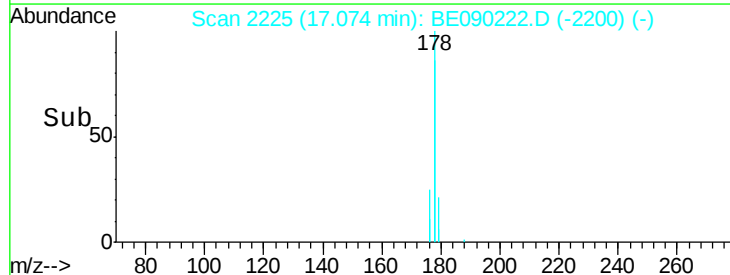
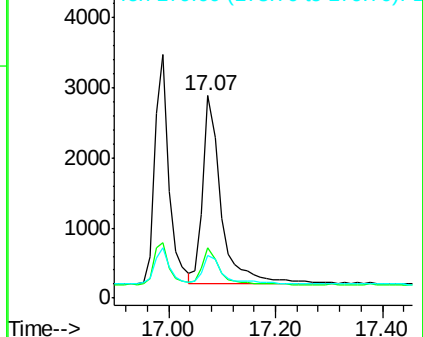
179 20.8 13.3 19.9#

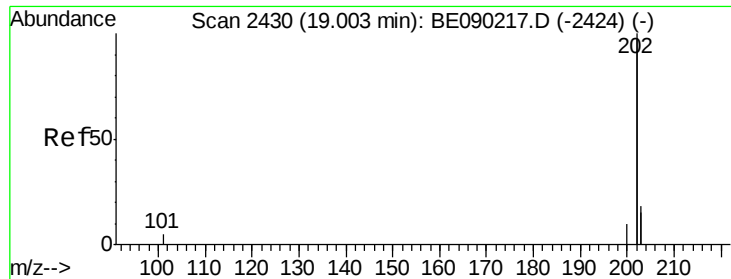


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.12 ng/ul

RT: 19.00 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BE090222.D

Acq: 22 Jul 2015 6:18

Instrument :

BNA_E

ClientSampleId :

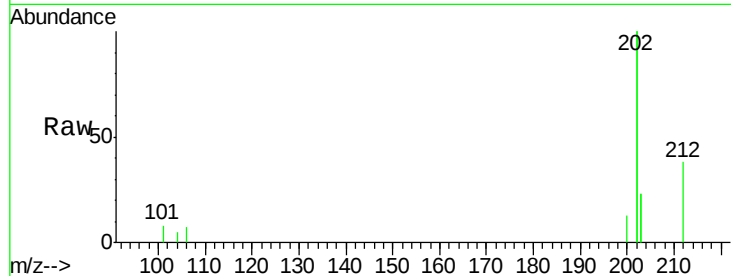
Tot Ion:202 Resp: 7058

Ion Ratio Lower Upper

202 100

101 4.0 0.0 23.0

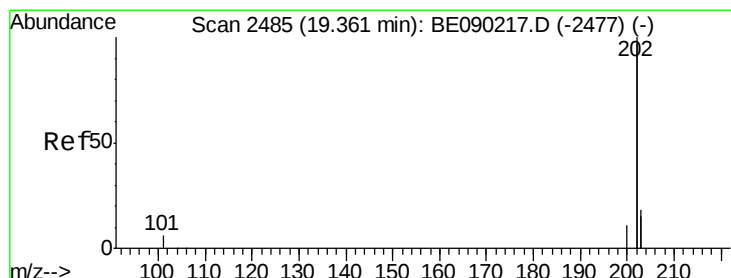
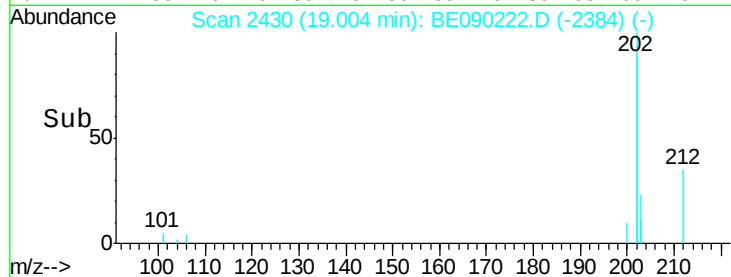
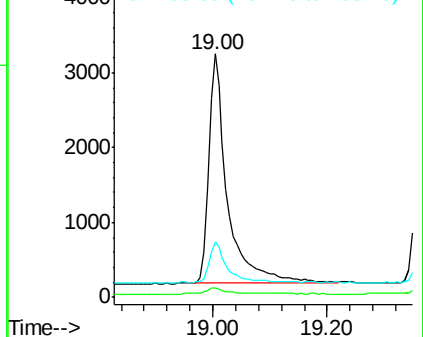
203 22.6 0.0 37.8



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: 0.19 ng/ul

RT: 19.37 min Scan# 2486

Delta R.T. 0.01 min

Lab File: BE090222.D

Acq: 22 Jul 2015 6:18

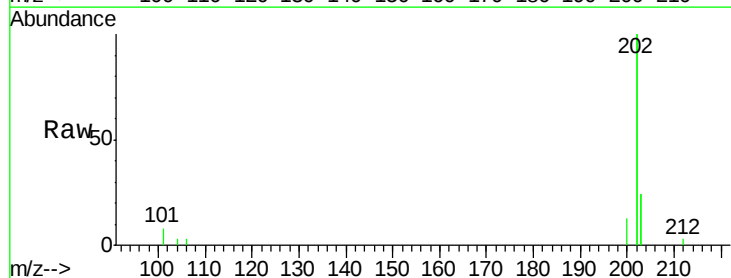
Tgt Ion:202 Resp: 7089

Ion Ratio Lower Upper

202 100

200 6.7 4.4 6.6#

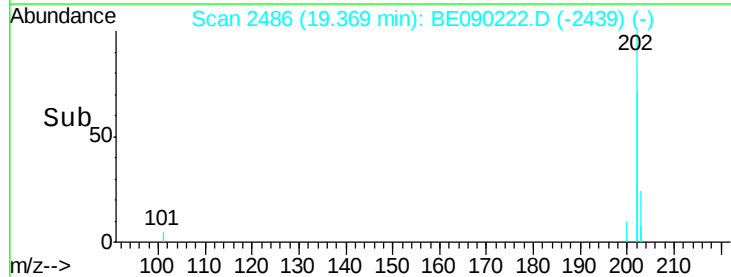
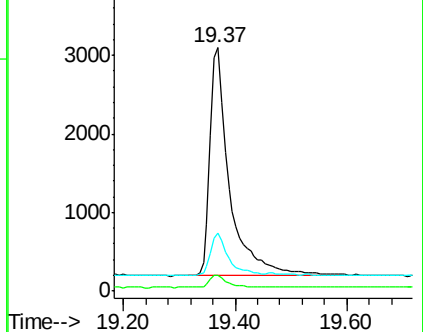
203 23.6 14.6 22.0#

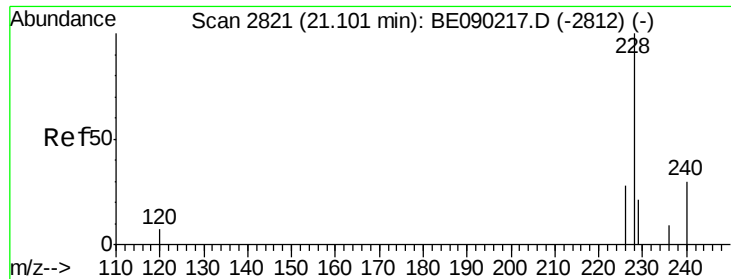


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.09 ng/ul

RT: 21.10 min Scan# 2820

Delta R.T. -0.00 min

Lab File: BE090222.D

Acq: 22 Jul 2015 6:18

Instrument :

BNA_E

ClientSampleId :

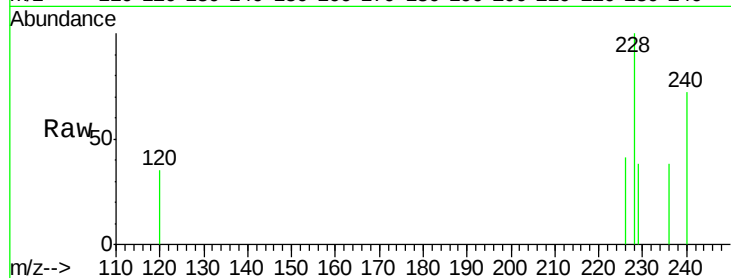
Tot Ion:228 Resp: 328

Ion Ratio Lower Upper

228 100

226 40.8 24.1 36.1#

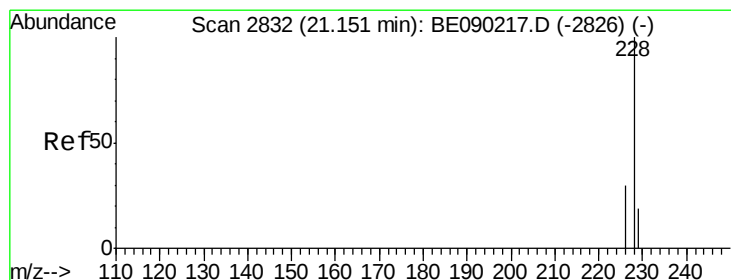
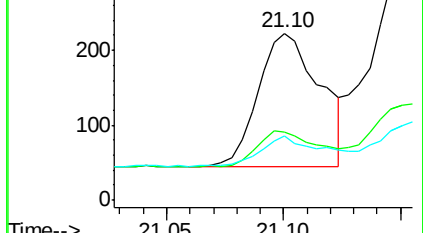
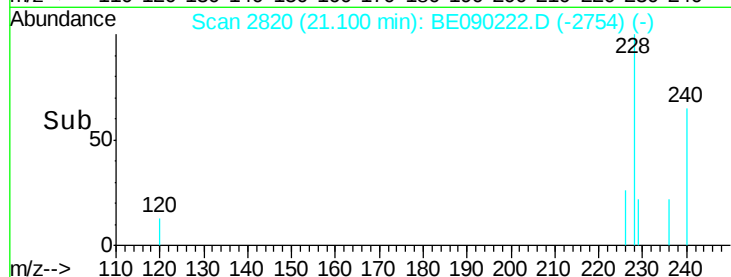
229 38.1 17.9 26.9#



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: 0.09 ng/ul

RT: 21.15 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE090222.D

Acq: 22 Jul 2015 6:18

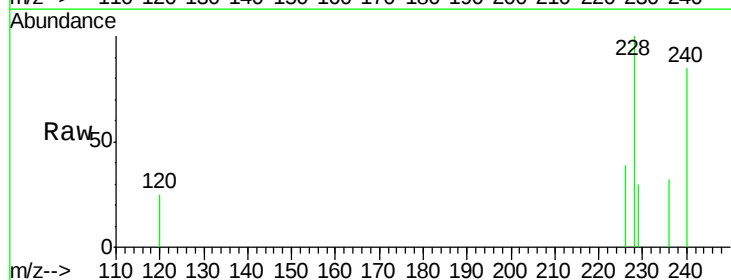
Tgt Ion:228 Resp: 852

Ion Ratio Lower Upper

228 100

226 38.8 24.6 36.8#

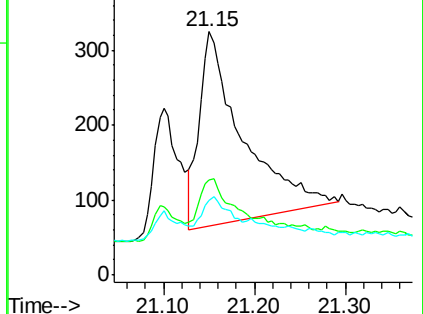
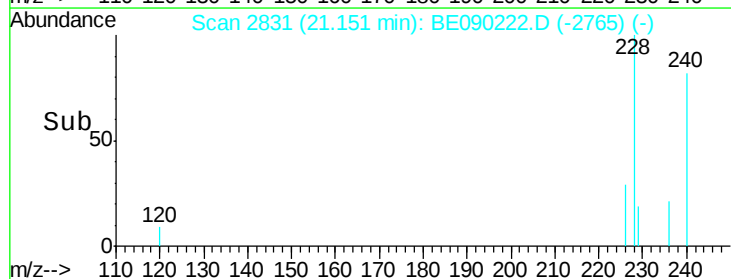
229 30.5 17.4 26.2#

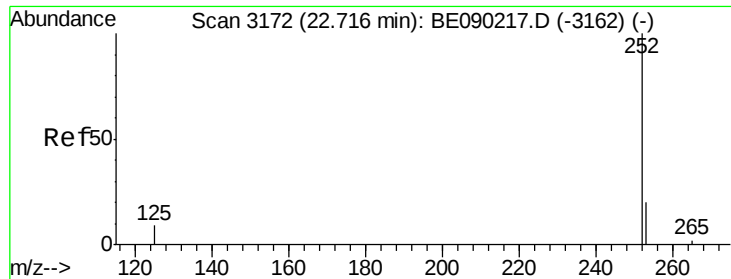


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.15 ng/ul

RT: 22.72 min Scan# 3173

Delta R.T. 0.01 min

Lab File: BE090222.D

Acq: 22 Jul 2015 6:18

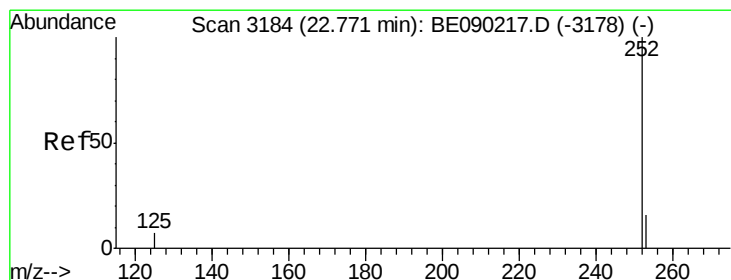
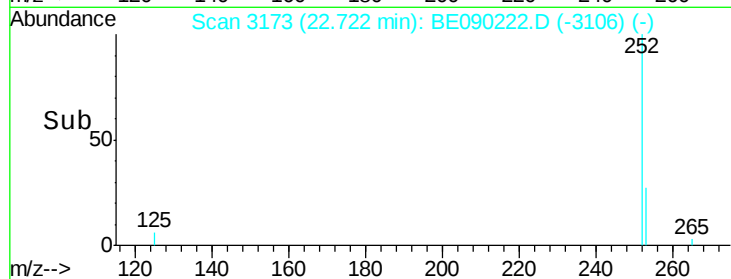
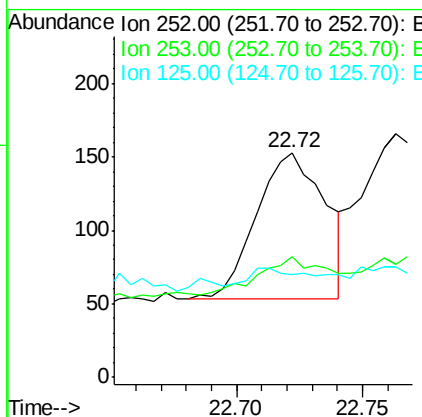
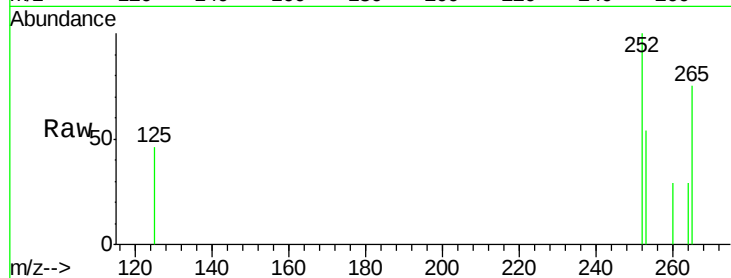
Instrument :

BNA_E

ClientSampleId :

Tot Ion:252 Resp: 190

Ion	Ratio	Lower	Upper
252	100		
253	53.6	0.0	56.8
125	45.8	0.0	37.0#



#22

Benzo(k)fluoranthene

Concen: 0.07 ng/ul

RT: 22.76 min Scan# 3182

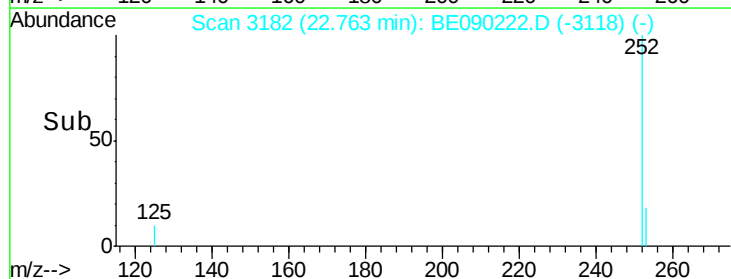
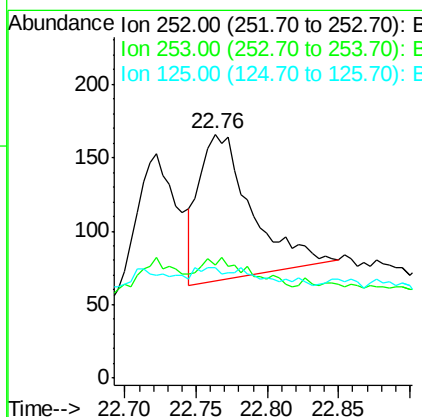
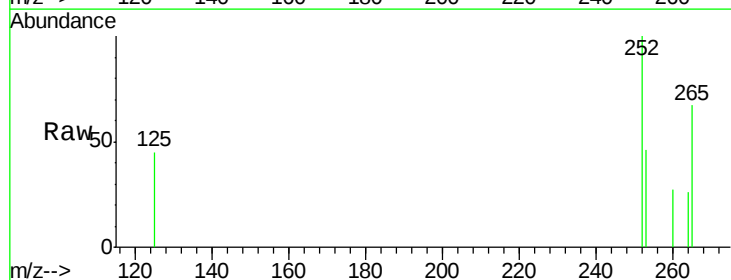
Delta R.T. -0.01 min

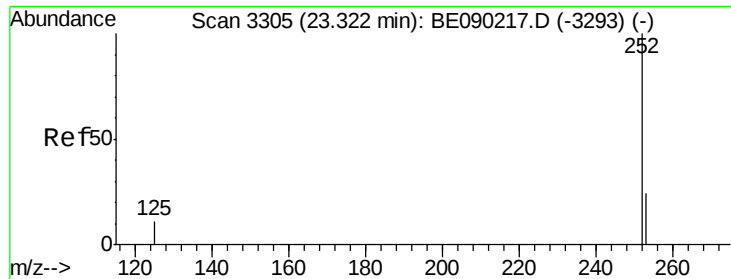
Lab File: BE090222.D

Acq: 22 Jul 2015 6:18

Tgt Ion:252 Resp: 252

Ion	Ratio	Lower	Upper
252	100		
253	46.4	19.5	29.3#
125	45.2	11.9	17.9#





#23

Benzo(a)pyrene

Concen: 0.11 ng/ul

RT: 23.31 min Scan# 3303

Delta R.T. -0.01 min

Lab File: BE090222.D

Acq: 22 Jul 2015 6:18

Instrument :

BNA_E

ClientSampleId :

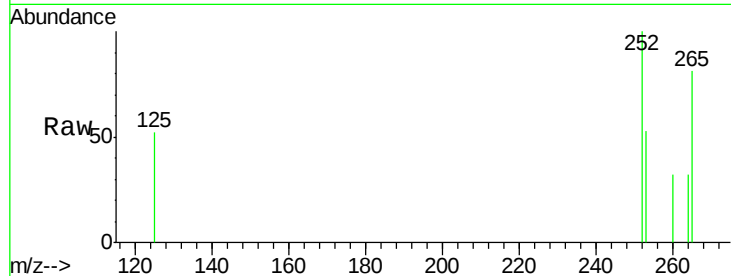
Tot Ion:252 Resp: 204

Ion Ratio Lower Upper

252 100

253 52.5 23.7 35.5#

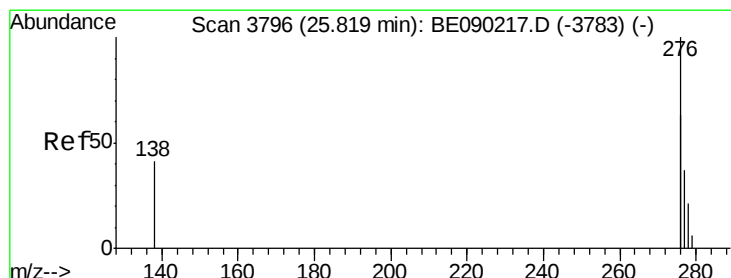
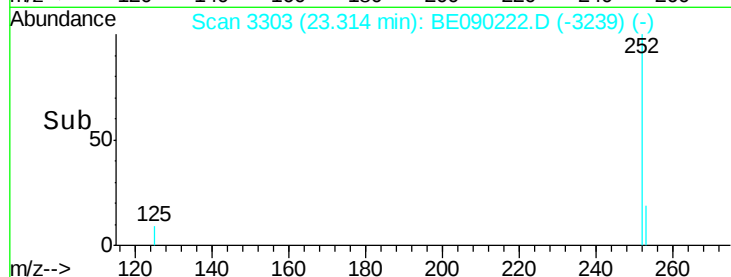
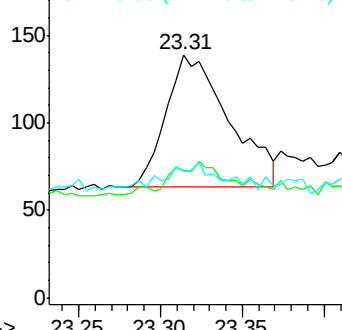
125 51.8 15.4 23.2#



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: 0.13 ng/ul

RT: 25.82 min Scan# 3796

Delta R.T. 0.00 min

Lab File: BE090222.D

Acq: 22 Jul 2015 6:18

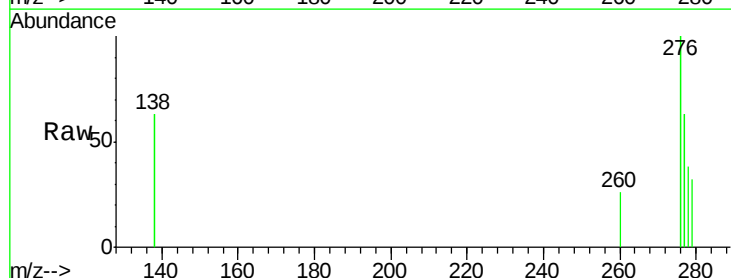
Tgt Ion:276 Resp: 699

Ion Ratio Lower Upper

276 100

138 21.0 16.9 25.3

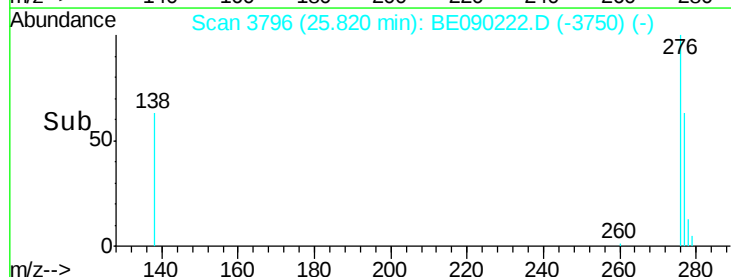
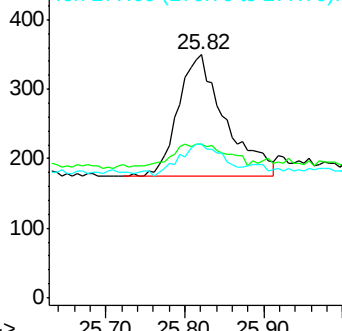
277 23.7 17.0 25.4

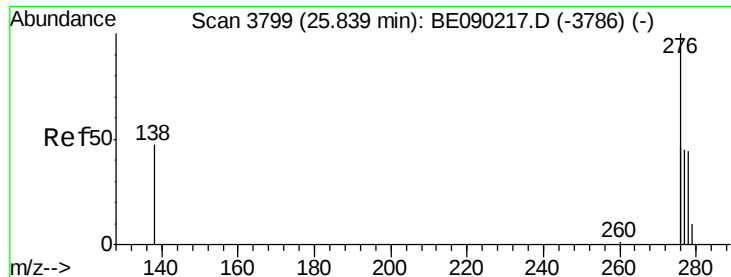


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

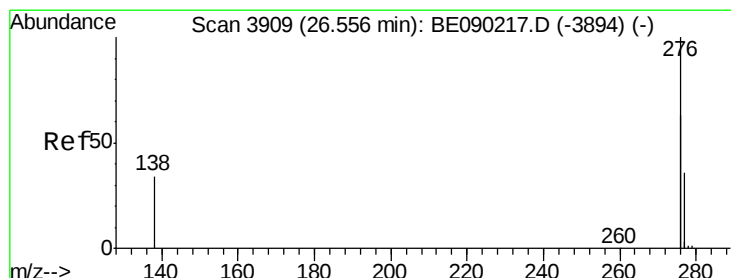
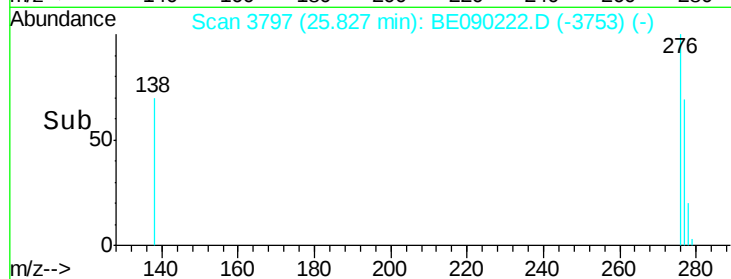
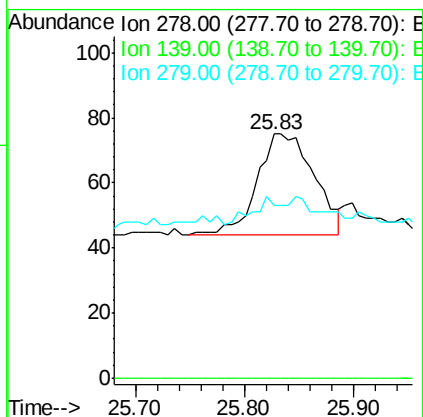
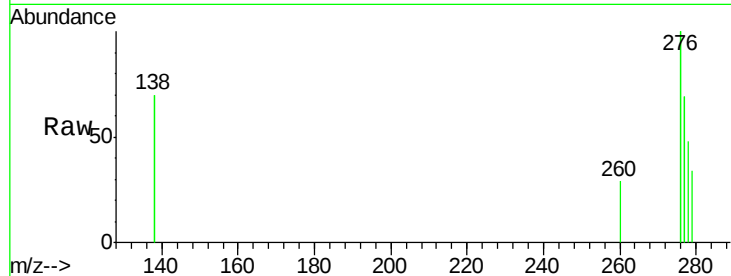




#25
Dibenzo(a,h)anthracene
Concen: 0.12 ng/ul
RT: 25.83 min Scan# 3797
Delta R.T. -0.01 min
Lab File: BE090222.D
Acq: 22 Jul 2015 6:18

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 113
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 70.7 30.1 45.1#



#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: BE090222.D
Acq: 22 Jul 2015 6:18

Tgt Ion:276 Resp: 873
Ion Ratio Lower Upper
276 100
277 60.3 24.6 36.8#
138 60.3 23.5 35.3#

