

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072215\
 Data File : BE090214.D
 Acq On : 22 Jul 2015 00:08
 Operator : TP/IZ
 Sample : MDL-05-S
 Misc : MDL-SIM-SOIL-0.07PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 22 04:58:15 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 04:13:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	647	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3090	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	1886	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	4984	0.40	ng/ul	0.01
16) Chrysene-d12	21.12	240	2498	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	1223	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	1796	0.37	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	5252	0.37	ng/ul	0.00

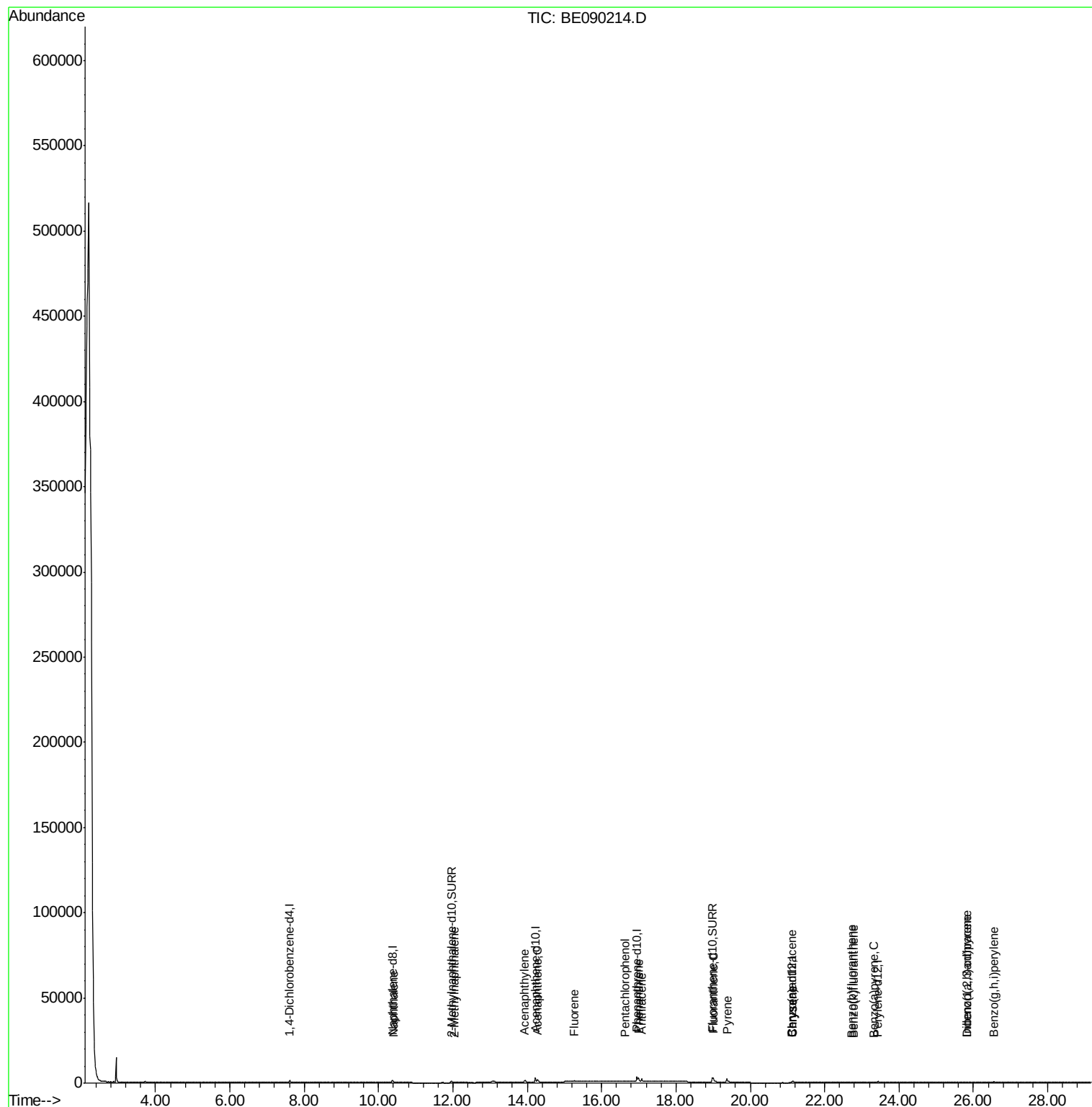
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	446	0.05	ng/ul#	64
5) 2-Methylnaphthalene	12.03	142	299	0.05	ng/ul	99
7) Acenaphthylene	13.93	152	2033	0.05	ng/ul#	73
8) Acenaphthene	14.27	153	1491	0.05	ng/ul	91
9) Fluorene	15.27	166	466	0.05	ng/ul#	91
11) Pentachlorophenol	16.64	266	1	0.00	ng/ul#	22
12) Phenanthrene	16.99	178	3069	0.05	ng/ul#	82
13) Anthracene	17.07	178	3066	0.06	ng/ul#	74
15) Fluoranthene	19.00	202	3631	0.06	ng/ul	81
17) Pyrene	19.37	202	3538	0.09	ng/ul#	82
18) Benzo(a)anthracene	21.10	228	182	0.05	ng/ul#	58
19) Chrysene	21.15	228	469	0.05	ng/ul#	69
21) Benzo(b)fluoranthene	22.72	252	113	0.07	ng/ul#	15
22) Benzo(k)fluoranthene	22.77	252	116	0.03	ng/ul#	12
23) Benzo(a)pyrene	23.32	252	123	0.05	ng/ul#	13
24) Indeno(1,2,3-cd)pyrene	25.82	276	349	0.05	ng/ul#	84
25) Dibenzo(a,h)anthracene	25.84	278	63	0.05	ng/ul#	15
26) Benzo(g,h,i)perylene	26.55	276	472	0.05	ng/ul#	17

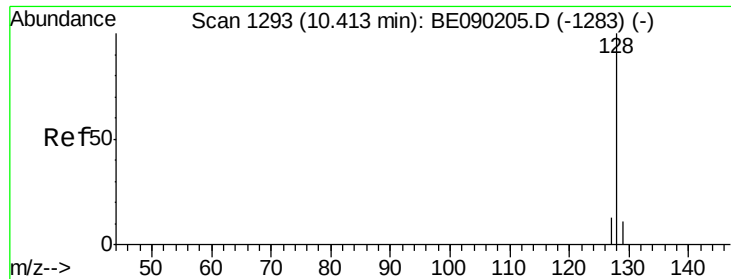
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 22 04:13:39 2015
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#3

Naphthalene

Concen: 0.05 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BE090214.D

Acq: 22 Jul 2015 00:08

Instrument :

BNA_E

ClientSampleId :

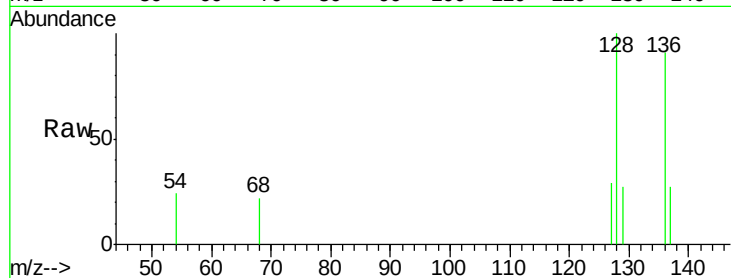
Tot Ion:128 Resp: 446

Ion Ratio Lower Upper

128 100

129 27.0 10.2 15.2#

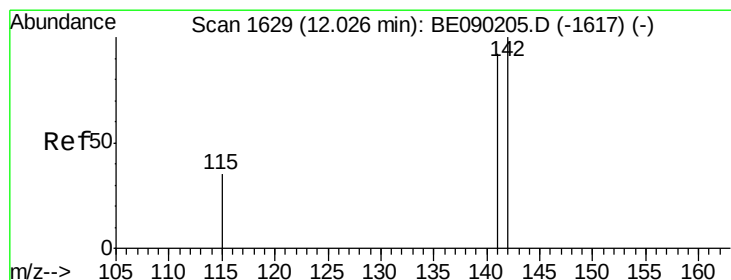
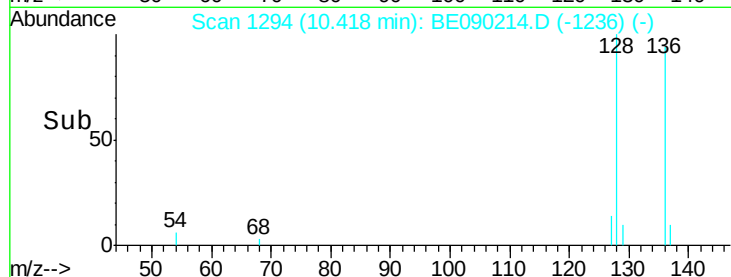
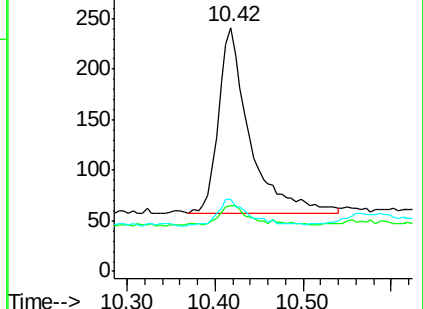
127 29.5 11.8 17.6#



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: 0.05 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. 0.01 min

Lab File: BE090214.D

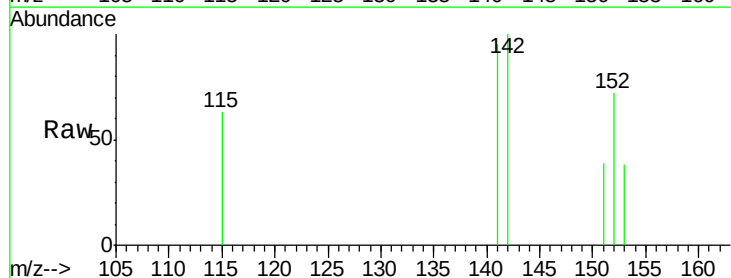
Acq: 22 Jul 2015 00:08

Tgt Ion:142 Resp: 299

Ion Ratio Lower Upper

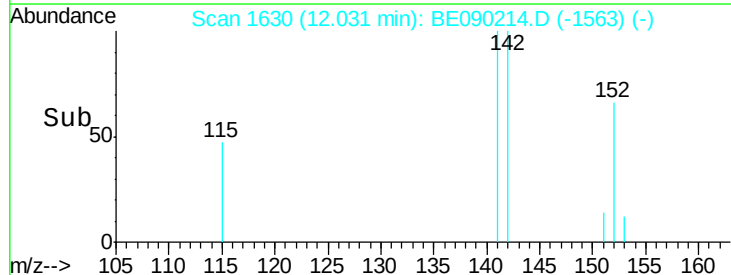
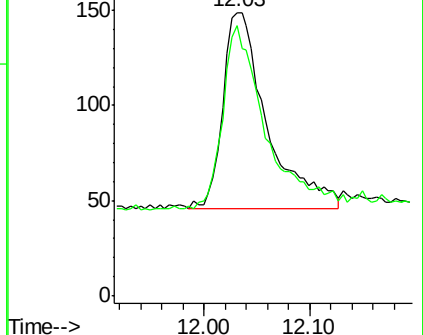
142 100

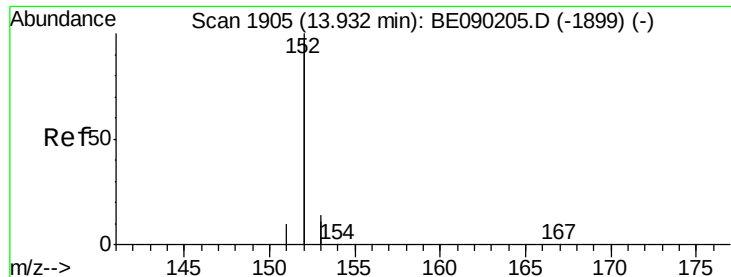
141 90.3 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. -0.00 min

Lab File: BE090214.D

Acq: 22 Jul 2015 00:08

Instrument :

BNA_E

ClientSampleId :

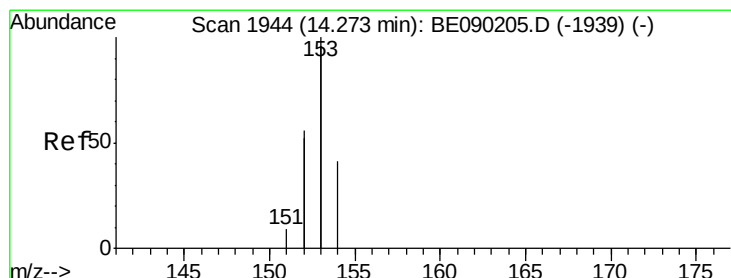
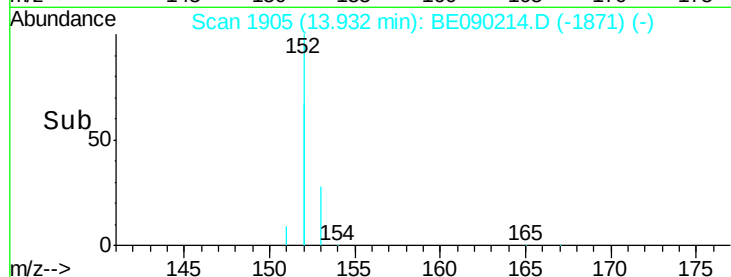
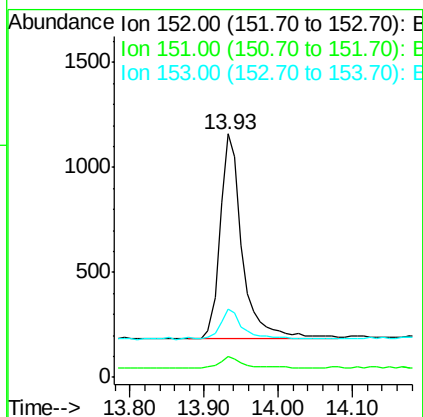
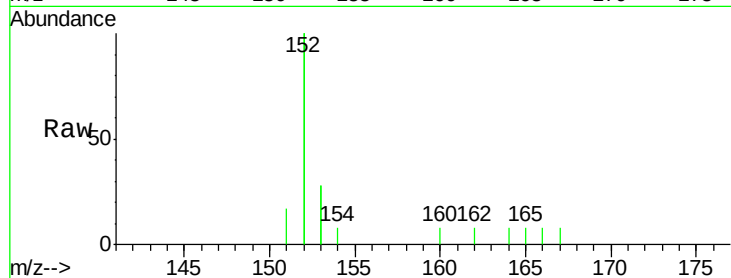
Tot Ion:152 Resp: 2033

Ion Ratio Lower Upper

152 100

151 8.4 4.2 6.4#

153 27.9 11.5 17.3#



#8

Acenaphthene

Concen: 0.05 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BE090214.D

Acq: 22 Jul 2015 00:08

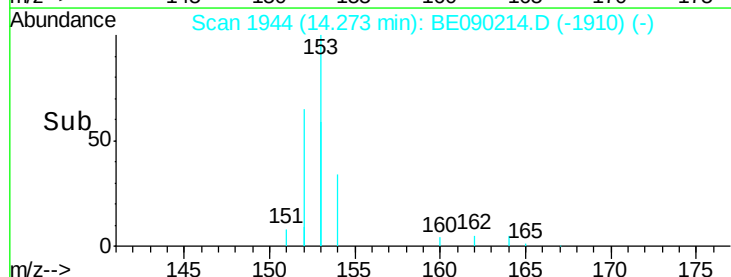
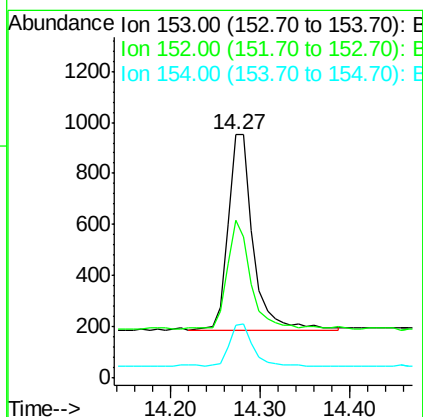
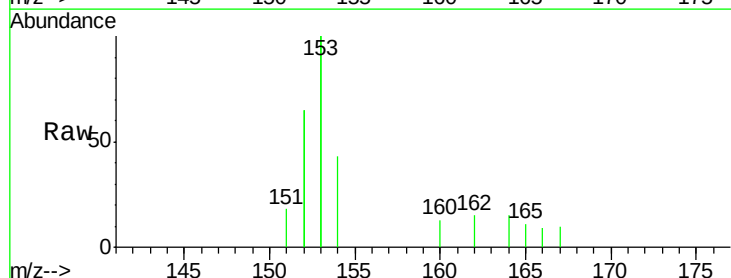
Tgt Ion:153 Resp: 1491

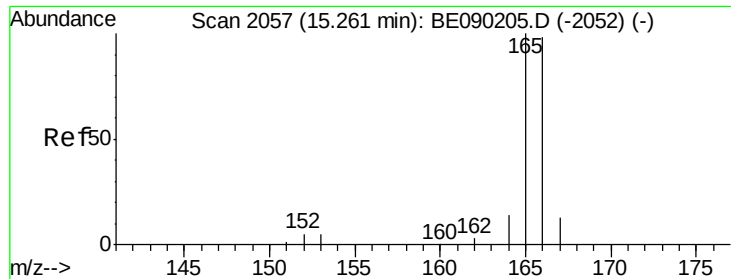
Ion Ratio Lower Upper

153 100

152 64.7 45.0 67.4

154 21.6 16.8 25.2





#9

Fluorene

Concen: 0.05 ng/ul

RT: 15.27 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BE090214.D

Acq: 22 Jul 2015 00:08

Instrument :

BNA_E

ClientSampleId :

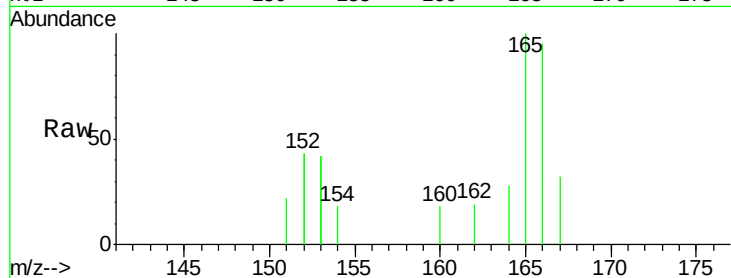
Tot Ion:166 Resp: 466

Ion Ratio Lower Upper

166 100

165 105.8 81.9 122.9

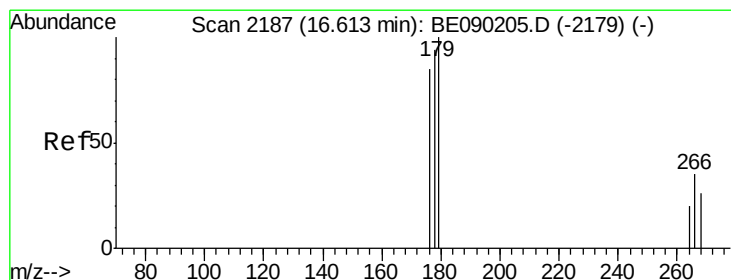
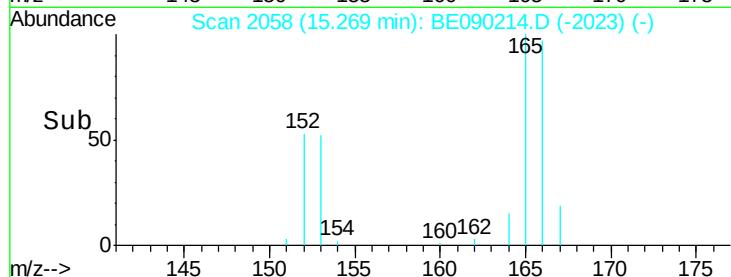
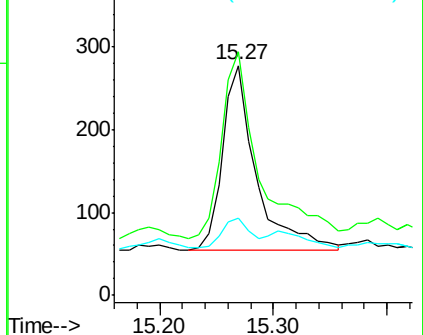
167 33.5 12.2 18.2#



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



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.64 min Scan# 2189

Delta R.T. 0.02 min

Lab File: BE090214.D

Acq: 22 Jul 2015 00:08

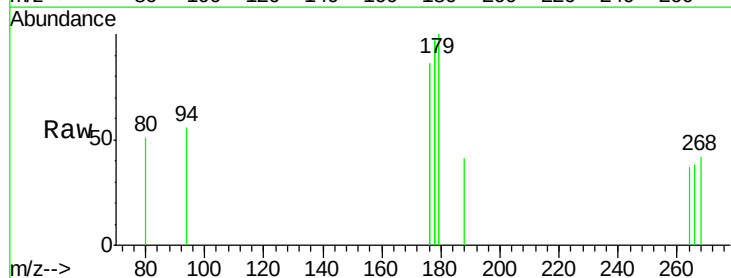
Tgt Ion:266 Resp: 1

Ion Ratio Lower Upper

266 100

264 0.0 51.6 77.4#

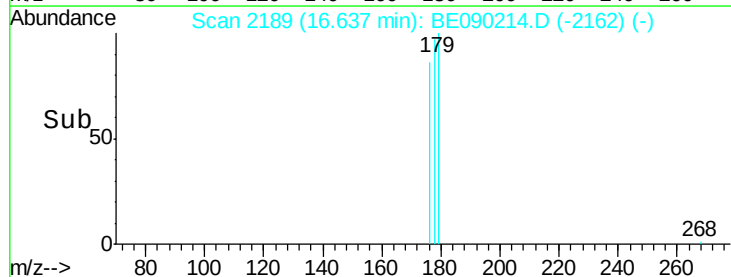
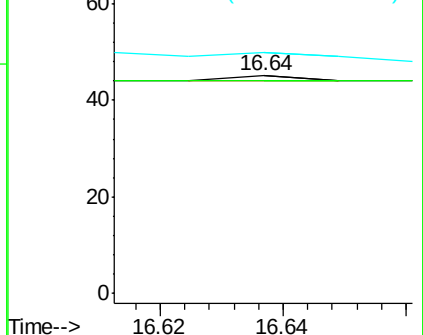
268 0.0 41.3 61.9#

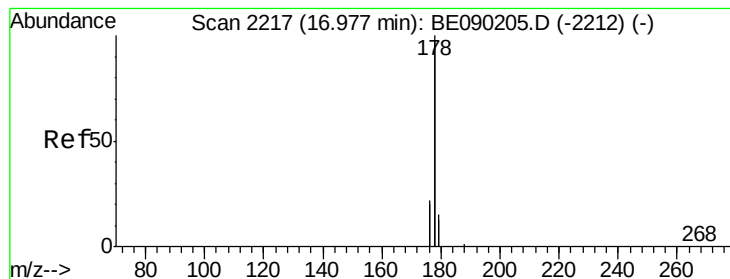


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.05 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BE090214.D

Acq: 22 Jul 2015 00:08

Instrument :

BNA_E

ClientSampleId :

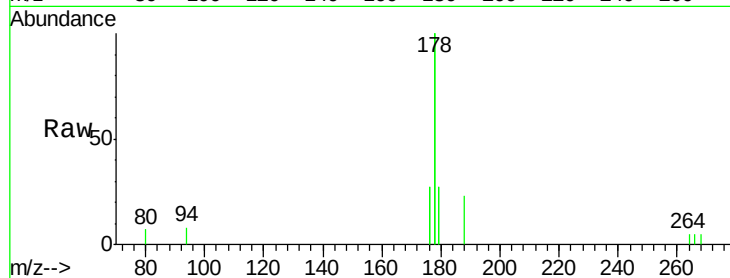
Tot Ion:178 Resp: 3069

Ion Ratio Lower Upper

178 100

176 27.5 17.6 26.4#

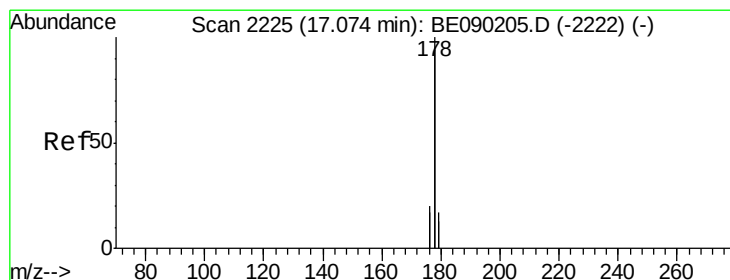
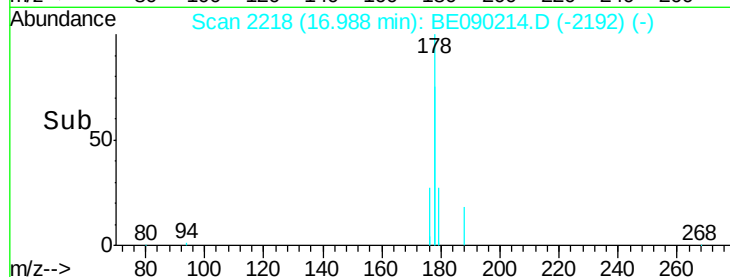
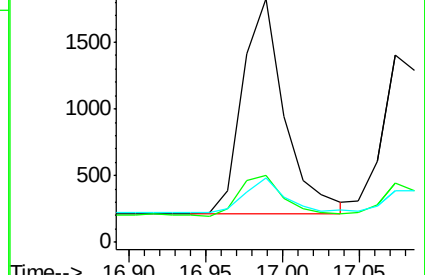
179 26.6 12.2 18.4#



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: 0.06 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE090214.D

Acq: 22 Jul 2015 00:08

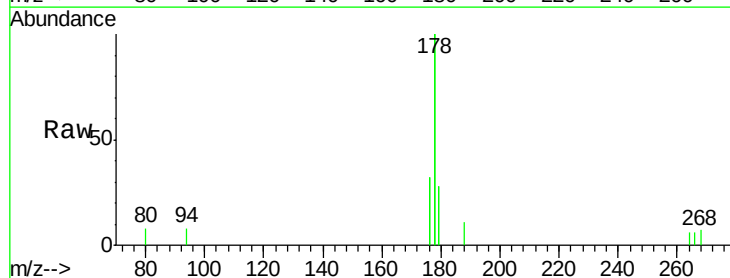
Tgt Ion:178 Resp: 3066

Ion Ratio Lower Upper

178 100

176 31.8 15.9 23.9#

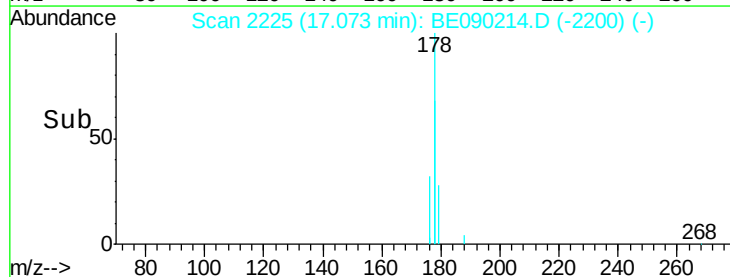
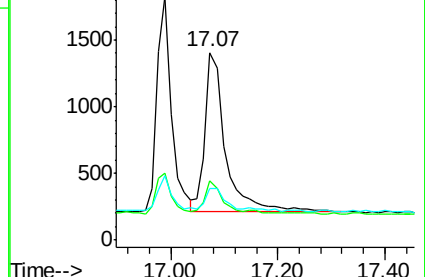
179 27.6 13.3 19.9#

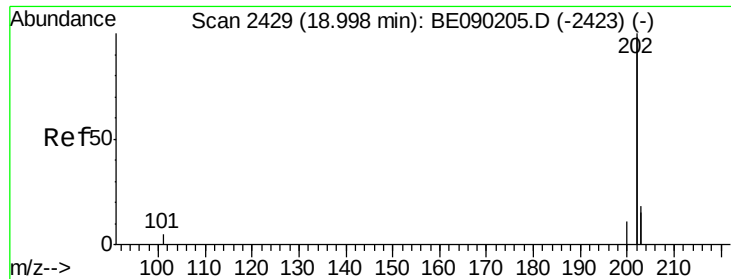


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

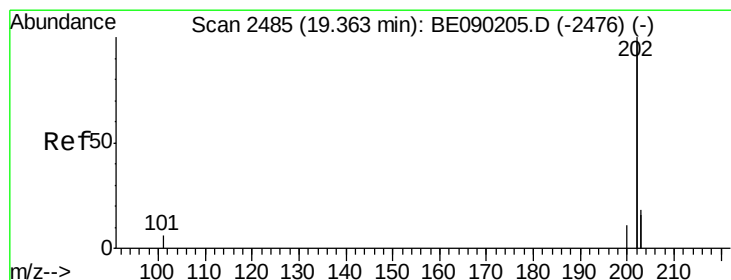
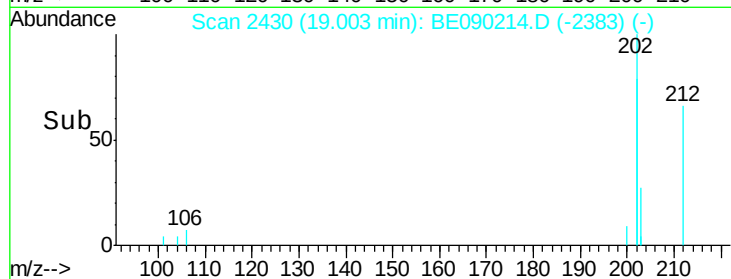
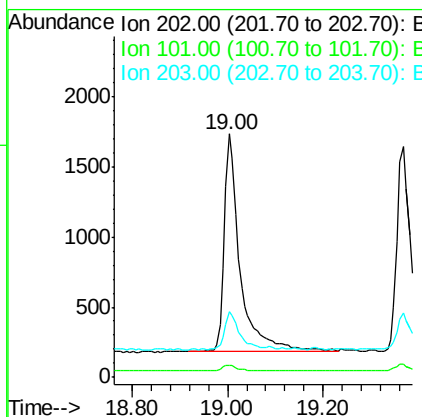
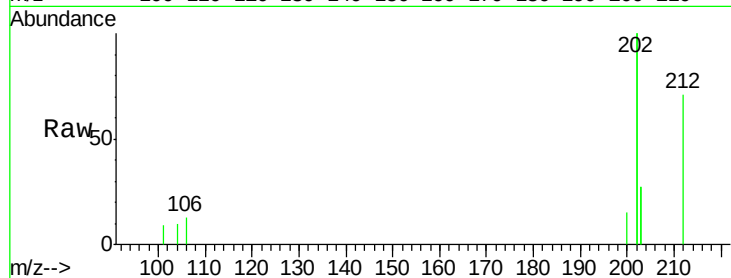




#15
Fluoranthene
Concen: 0.06 ng/ul
RT: 19.00 min Scan# 2430
Delta R.T. 0.01 min
Lab File: BE090214.D
Acq: 22 Jul 2015 00:08

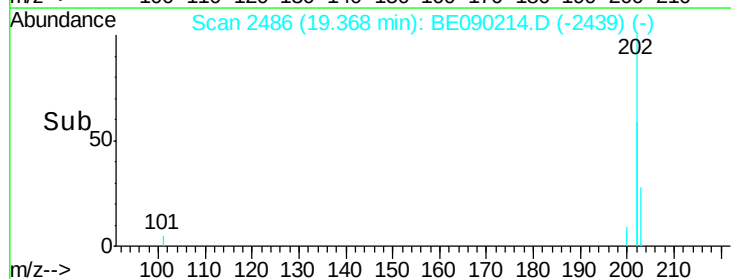
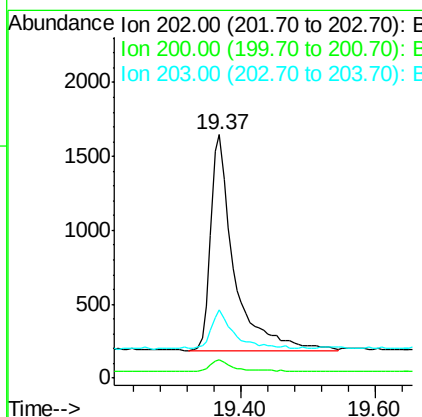
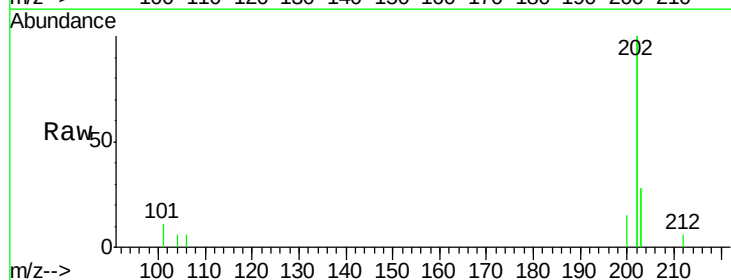
Instrument :
BNA_E
ClientSampleId :

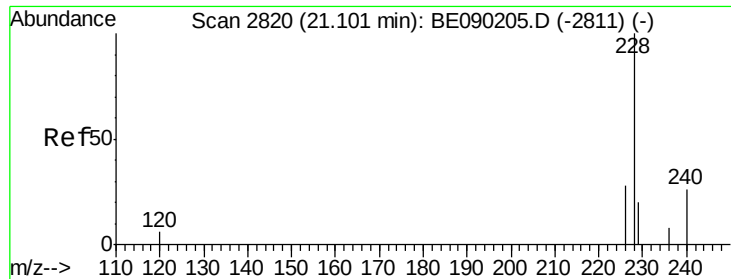
Tot Ion:202 Resp: 3631
Ion Ratio Lower Upper
202 100
101 4.7 0.0 23.0
203 27.1 0.0 37.8



#17
Pyrene
Concen: 0.09 ng/ul
RT: 19.37 min Scan# 2486
Delta R.T. 0.01 min
Lab File: BE090214.D
Acq: 22 Jul 2015 00:08

Tgt Ion:202 Resp: 3538
Ion Ratio Lower Upper
202 100
200 7.7 4.4 6.6#
203 27.9 14.6 22.0#





#18

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 21.10 min Scan# 2820

Delta R.T. -0.00 min

Lab File: BE090214.D

Acq: 22 Jul 2015 00:08

Instrument :

BNA_E

ClientSampleId :

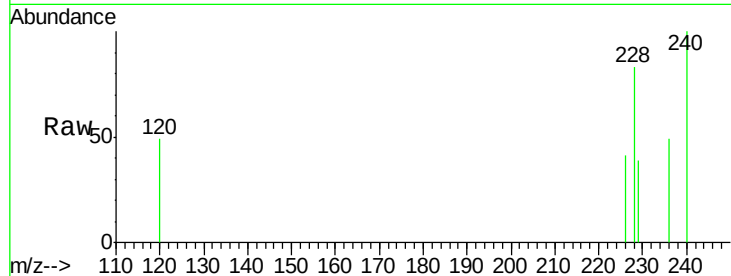
Tot Ion:228 Resp: 182

Ion Ratio Lower Upper

228 100

226 49.3 24.1 36.1#

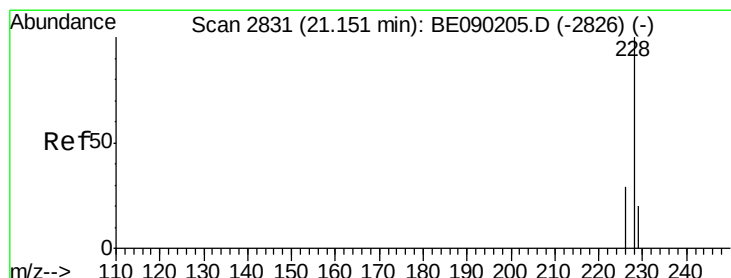
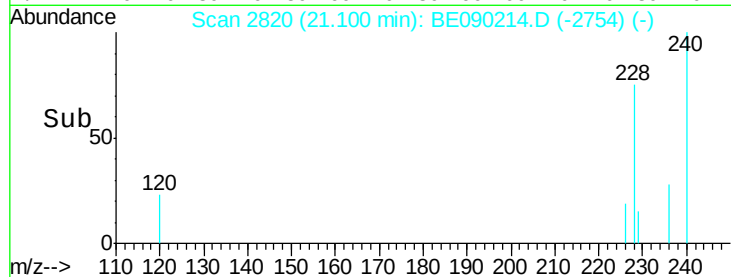
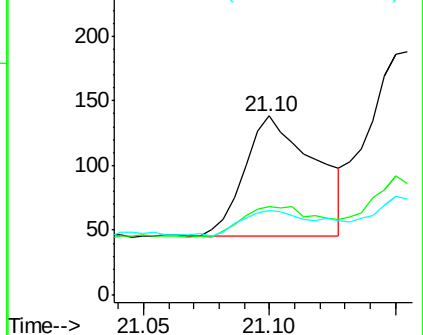
229 47.1 17.9 26.9#



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: 0.05 ng/ul

RT: 21.15 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BE090214.D

Acq: 22 Jul 2015 00:08

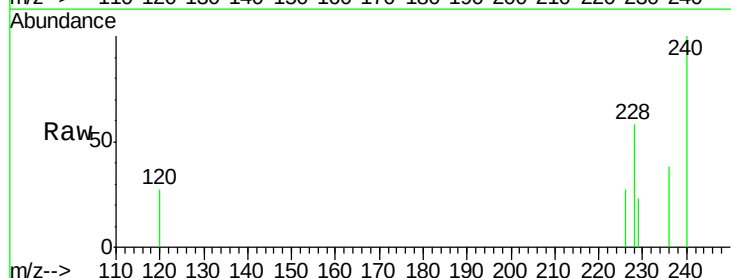
Tgt Ion:228 Resp: 469

Ion Ratio Lower Upper

228 100

226 45.7 24.6 36.8#

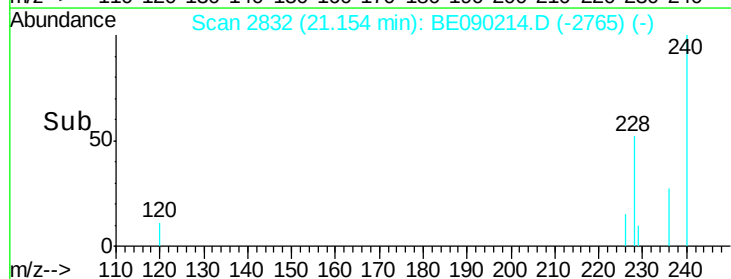
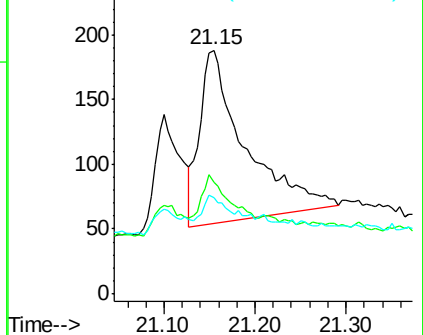
229 39.4 17.4 26.2#

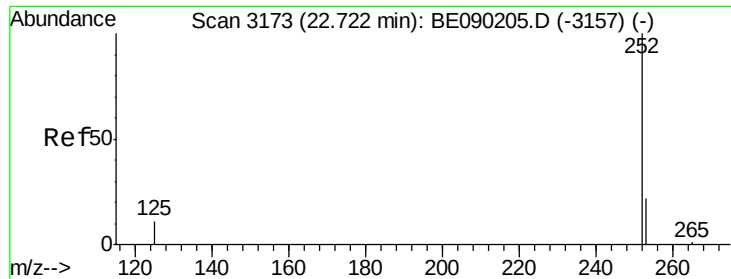


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

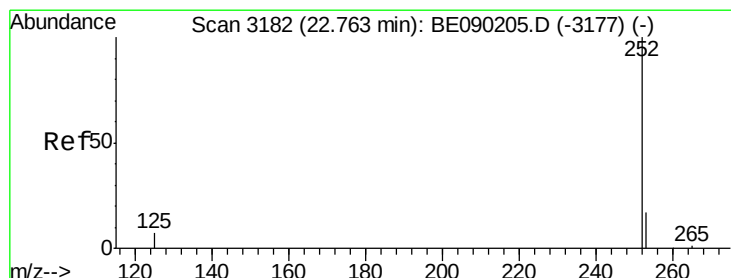
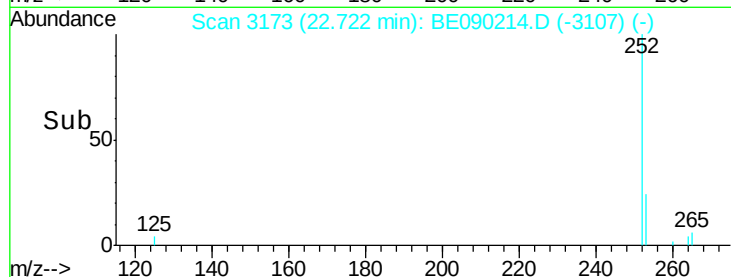
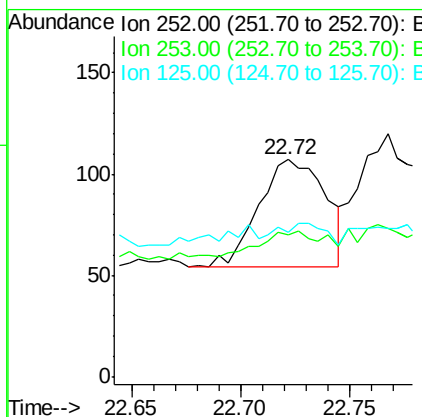
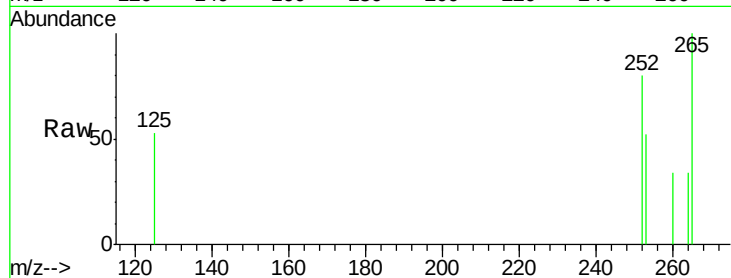




#21
Benzo(b)fluoranthene
Concen: 0.07 ng/ul
RT: 22.72 min Scan# 3173
Delta R.T. -0.00 min
Lab File: BE090214.D
Acq: 22 Jul 2015 00:08

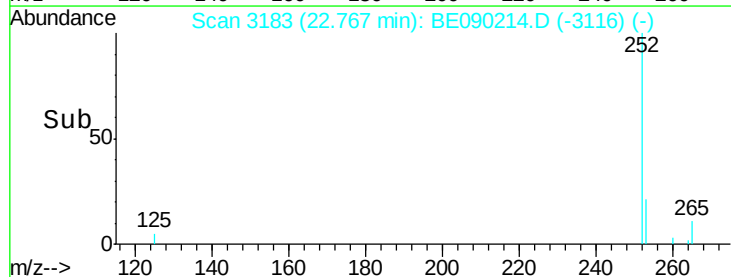
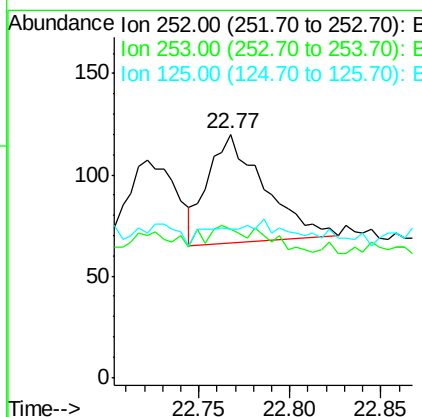
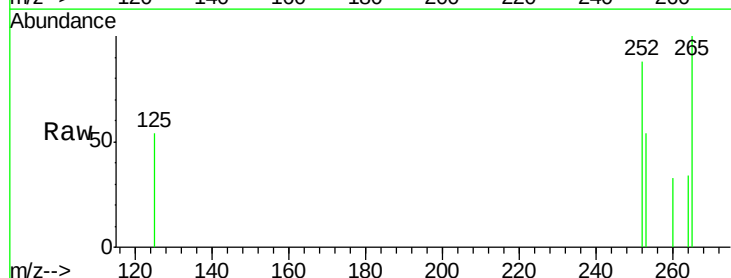
Instrument :
BNA_E
ClientSampled :

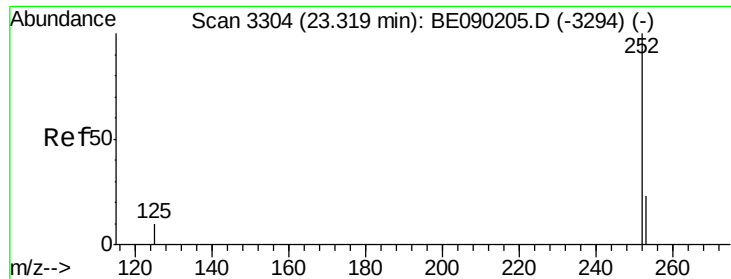
Tot Ion:252 Resp: 113
Ion Ratio Lower Upper
252 100
253 65.4 0.0 56.8#
125 66.4 0.0 37.0#



#22
Benzo(k)fluoranthene
Concen: 0.03 ng/ul
RT: 22.77 min Scan# 3183
Delta R.T. 0.00 min
Lab File: BE090214.D
Acq: 22 Jul 2015 00:08

Tgt Ion:252 Resp: 116
Ion Ratio Lower Upper
252 100
253 60.8 19.5 29.3#
125 60.8 11.9 17.9#





#23

Benzo(a)pyrene

Concen: 0.05 ng/ul

RT: 23.32 min Scan# 3304

Delta R.T. -0.00 min

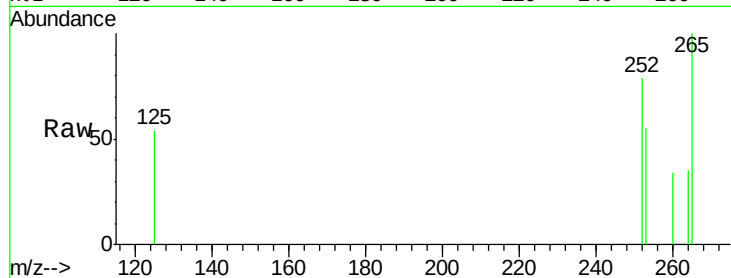
Lab File: BE090214.D

Acq: 22 Jul 2015 00:08

Instrument :

BNA_E

ClientSampleId :



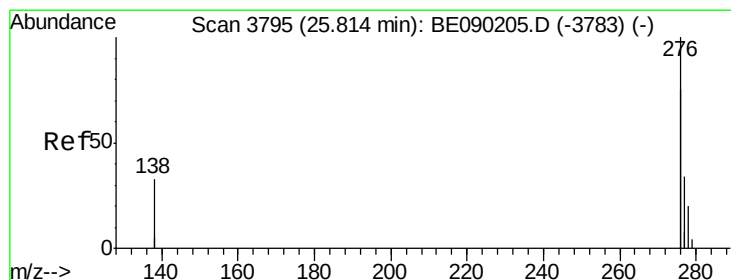
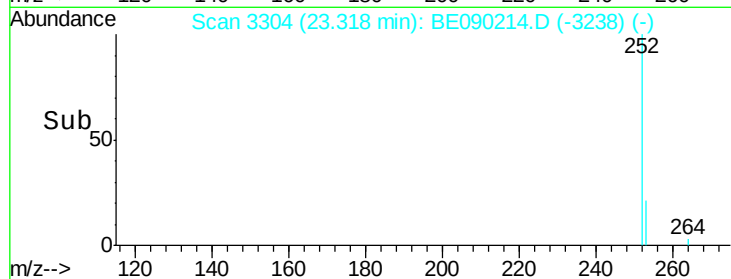
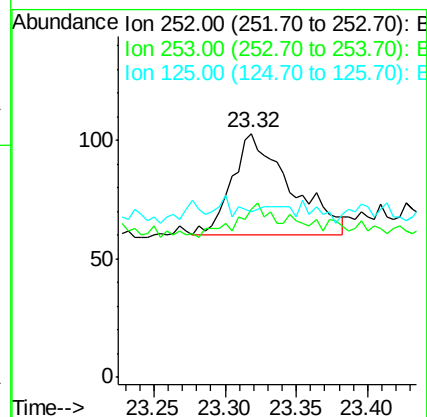
Tot Ion: 252 Resp: 123

Ion Ratio Lower Upper

252 100

253 68.9 23.7 35.5#

125 68.0 15.4 23.2#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng/ul

RT: 25.82 min Scan# 3796

Delta R.T. 0.01 min

Lab File: BE090214.D

Acq: 22 Jul 2015 00:08

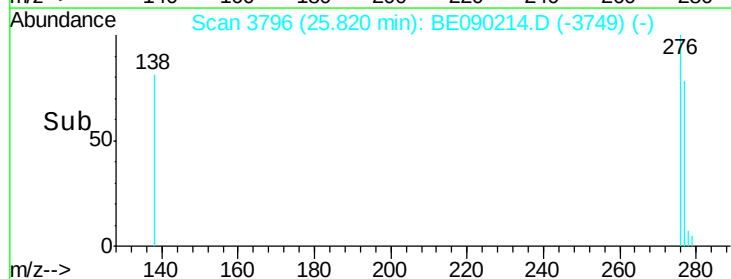
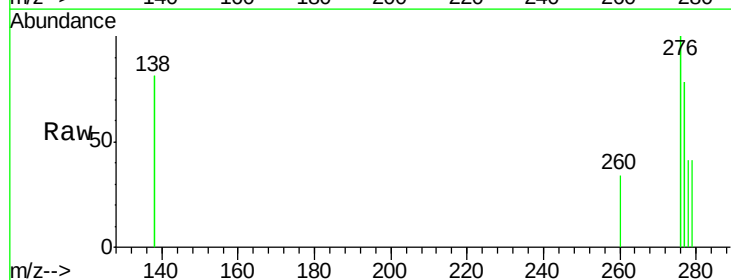
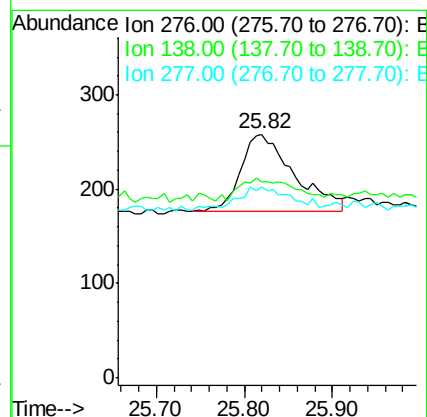
Tgt Ion: 276 Resp: 349

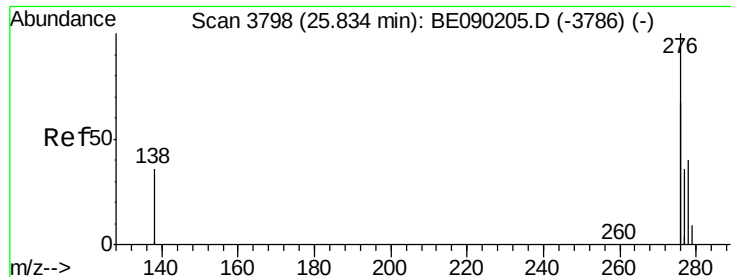
Ion Ratio Lower Upper

276 100

138 28.4 16.9 25.3#

277 29.2 17.0 25.4#

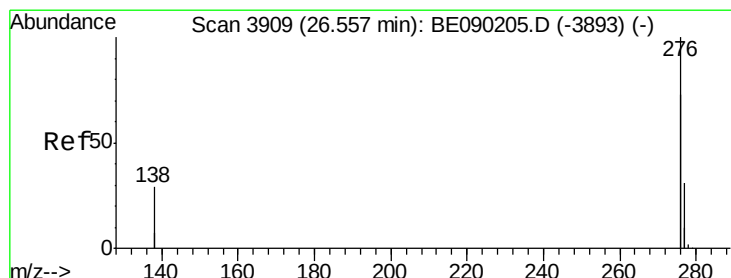
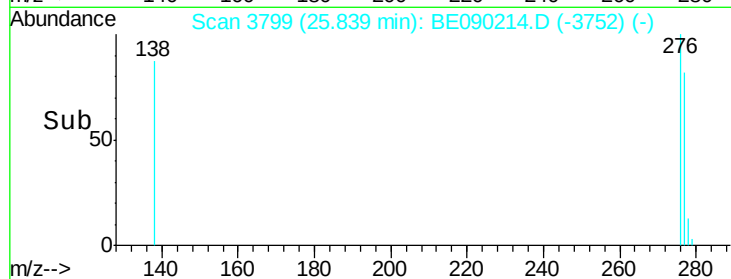
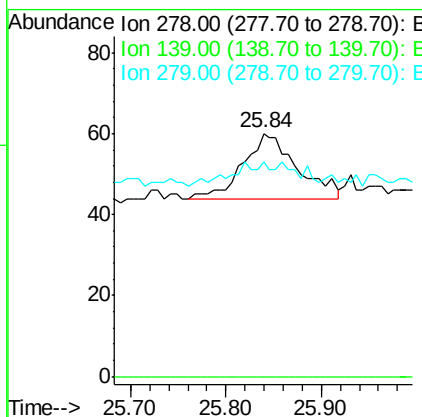
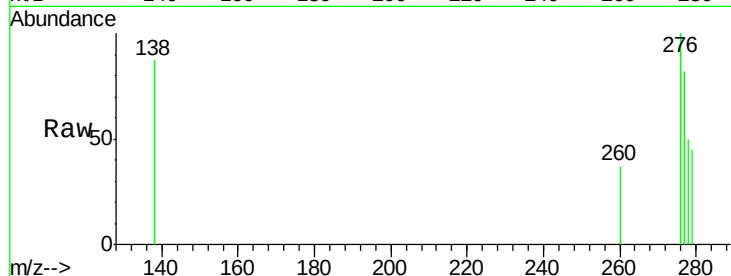




#25
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 25.84 min Scan# 3799
Delta R.T. 0.01 min
Lab File: BE090214.D
Acq: 22 Jul 2015 00:08

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 63
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 88.3 30.1 45.1#



#26
Benzo(g,h,i)perylene
Concen: 0.05 ng/ul
RT: 26.55 min Scan# 3908
Delta R.T. -0.01 min
Lab File: BE090214.D
Acq: 22 Jul 2015 00:08

Tgt Ion:276 Resp: 472
Ion Ratio Lower Upper
276 100
277 72.3 24.6 36.8#
138 78.1 23.5 35.3#

