

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072215\
 Data File : BE090211.D
 Acq On : 21 Jul 2015 22:15
 Operator : TP/IZ
 Sample : MDL-02-S
 Misc : MDL-SIM-SOIL-0.07PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 22 04:57:48 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	674	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3264	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	1947	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5319	0.40	ng/ul	0.00
16) Chrysene-d12	21.11	240	2981	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	1696	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	1871	0.36	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	5521	0.36	ng/ul	0.00

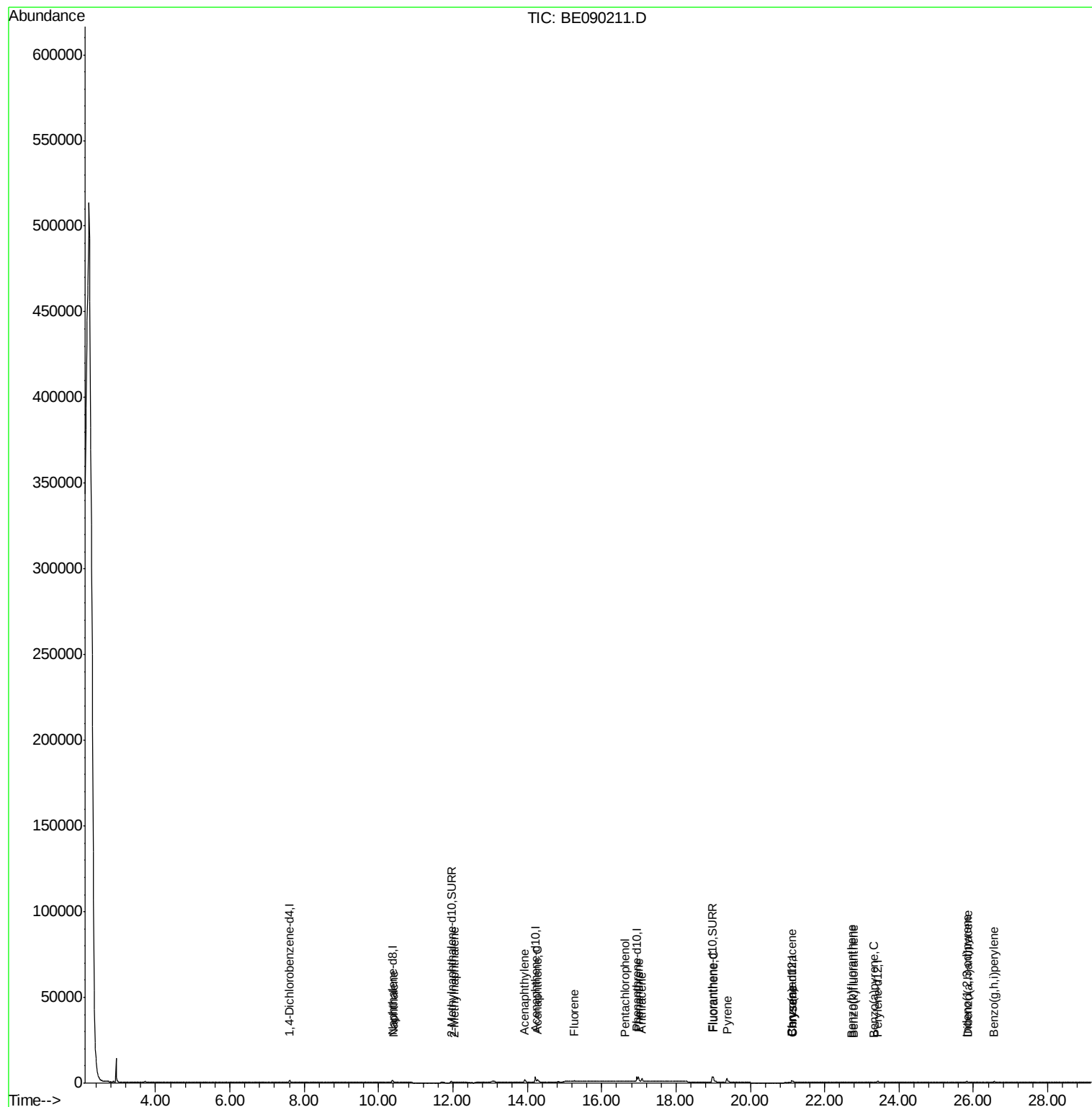
Target Compounds						Ovalue
3) Naphthalene	10.42	128	478	0.06	ng/ul#	70
5) 2-Methylnaphthalene	12.03	142	321	0.06	ng/ul	97
7) Acenaphthylene	13.93	152	2276	0.06	ng/ul#	79
8) Acenaphthene	14.27	153	1604	0.05	ng/ul	95
9) Fluorene	15.27	166	533	0.06	ng/ul#	89
11) Pentachlorophenol	16.64	266	2	0.01	ng/ul#	57
12) Phenanthrene	16.99	178	3393	0.06	ng/ul#	85
13) Anthracene	17.07	178	3355	0.06	ng/ul#	77
15) Fluoranthene	19.00	202	4002	0.06	ng/ul	83
17) Pyrene	19.37	202	3971	0.08	ng/ul#	84
18) Benzo(a)anthracene	21.11	228	239	0.05	ng/ul#	65
19) Chrysene	21.15	228	613	0.05	ng/ul#	72
21) Benzo(b)fluoranthene	22.73	252	138	0.06	ng/ul#	25
22) Benzo(k)fluoranthene	22.77	252	132	0.02	ng/ul#	1
23) Benzo(a)pyrene	23.32	252	140	0.04	ng/ul#	14
24) Indeno(1,2,3-cd)pyrene	25.82	276	476	0.05	ng/ul#	74
25) Dibenzo(a,h)anthracene	25.85	278	84	0.05	ng/ul#	30
26) Benzo(g,h,i)perylene	26.56	276	593	0.04	ng/ul#	28

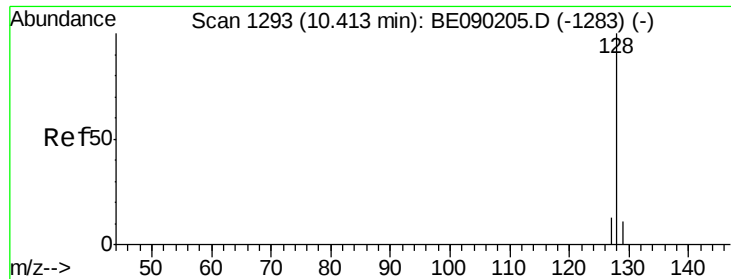
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Naphthalene

Concen: 0.06 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.01 min

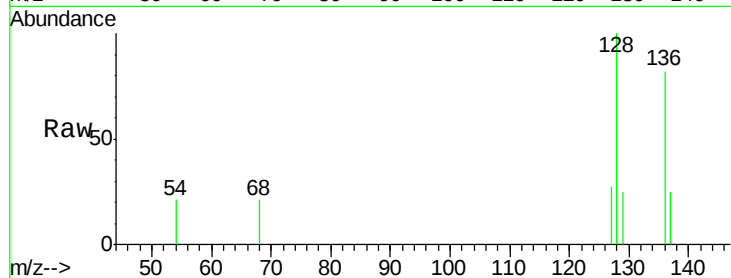
Lab File: BE090211.D

Acq: 21 Jul 2015 22:15

Instrument :

BNA_E

ClientSampleId :



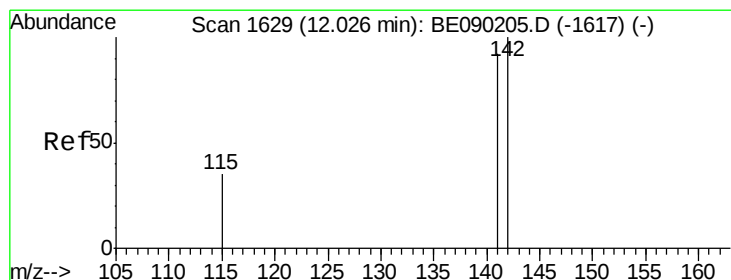
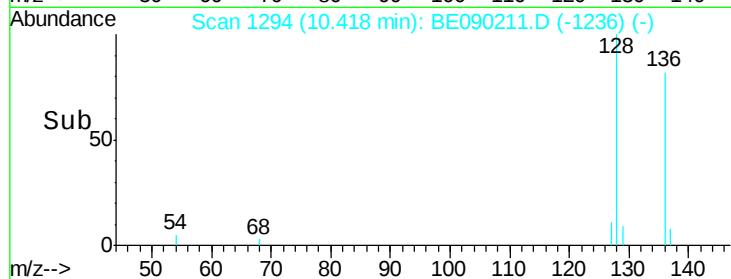
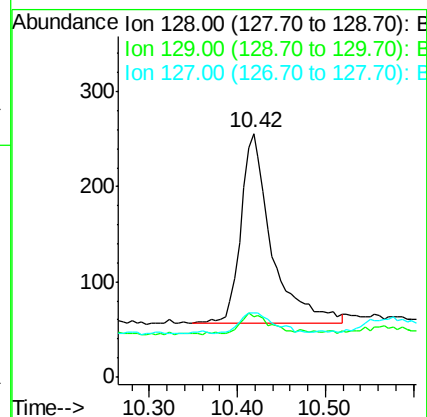
Tot Ion:128 Resp: 478

Ion Ratio Lower Upper

128 100

129 25.0 10.2 15.2#

127 26.6 11.8 17.6#



#5

2-Methylnaphthalene

Concen: 0.06 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE090211.D

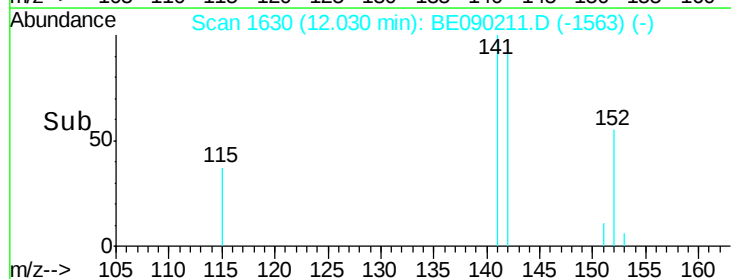
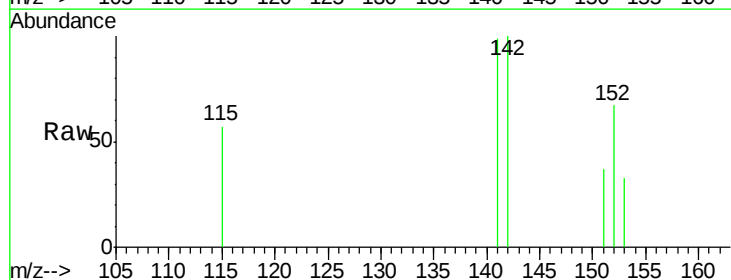
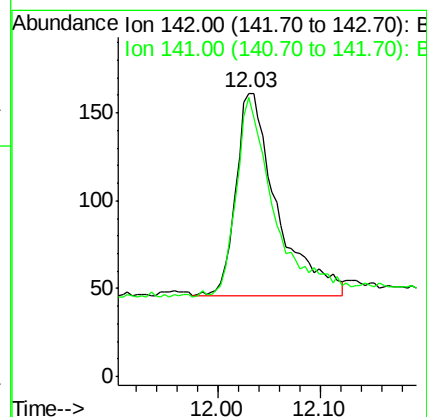
Acq: 21 Jul 2015 22:15

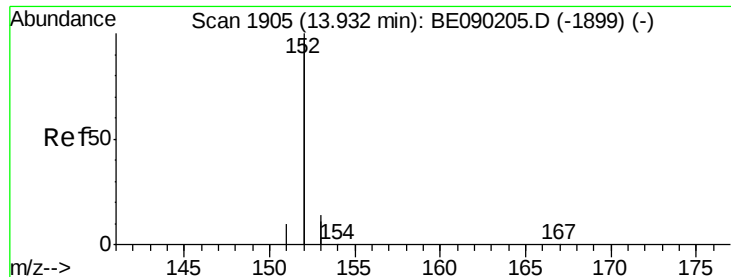
Tgt Ion:142 Resp: 321

Ion Ratio Lower Upper

142 100

141 88.2 73.0 109.6





#7

Acenaphthylene

Concen: 0.06 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. -0.00 min

Lab File: BE090211.D

Acq: 21 Jul 2015 22:15

Instrument :

BNA_E

ClientSampleId :

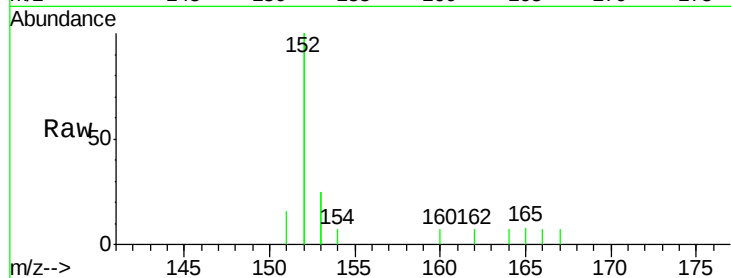
Tot Ion:152 Resp: 2276

Ion Ratio Lower Upper

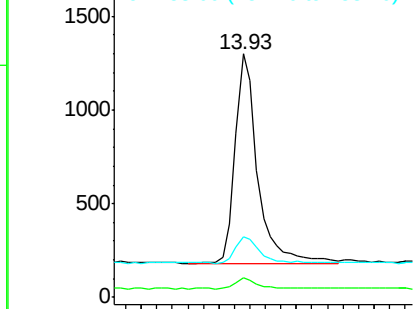
152 100

151 8.2 4.2 6.4#

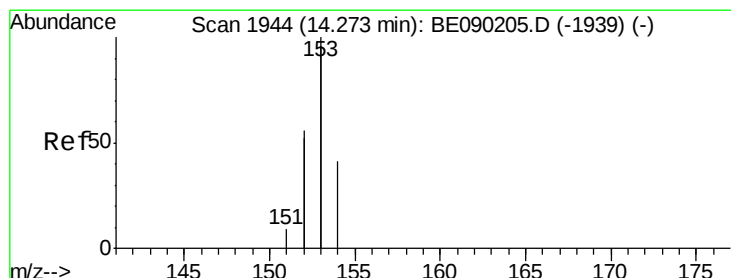
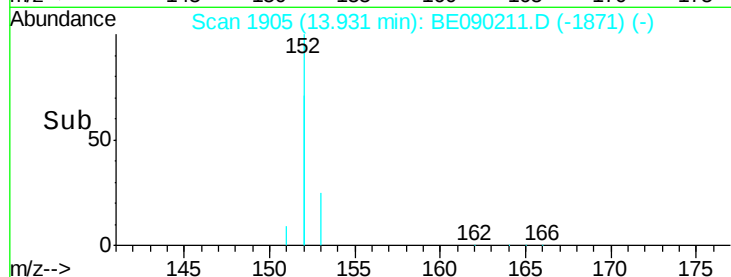
153 24.8 11.5 17.3#



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: 0.05 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BE090211.D

Acq: 21 Jul 2015 22:15

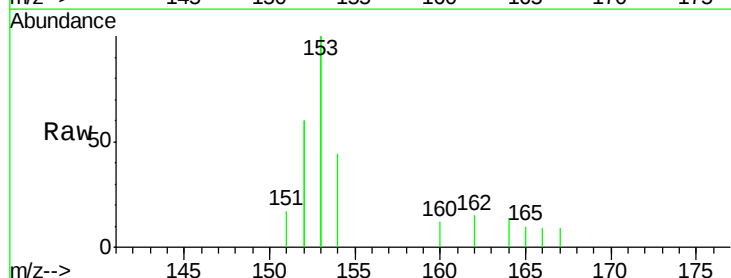
Tgt Ion:153 Resp: 1604

Ion Ratio Lower Upper

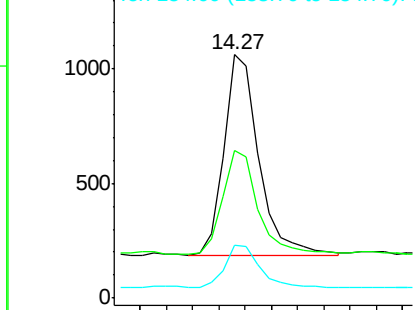
153 100

152 60.5 45.0 67.4

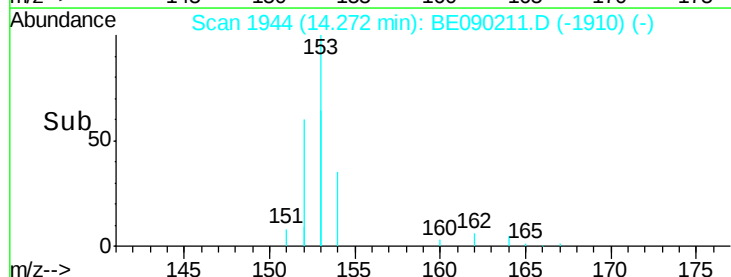
154 21.8 16.8 25.2

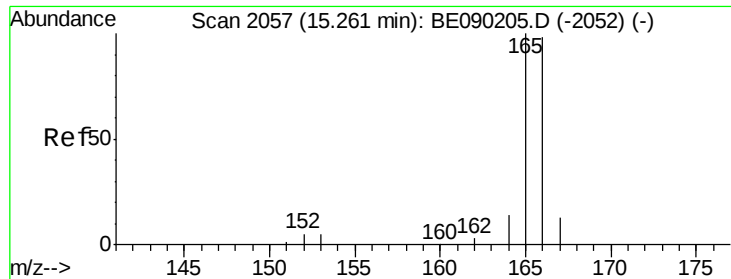


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time-->





#9

Fluorene

Concen: 0.06 ng/ul

RT: 15.27 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BE090211.D

Acq: 21 Jul 2015 22:15

Instrument :

BNA_E

ClientSampleId :

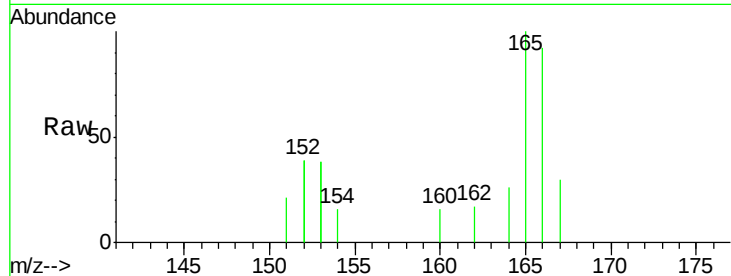
Tot Ion:166 Resp: 533

Ion Ratio Lower Upper

166 100

165 108.6 81.9 122.9

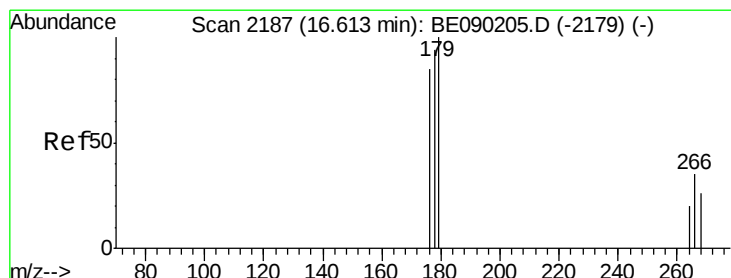
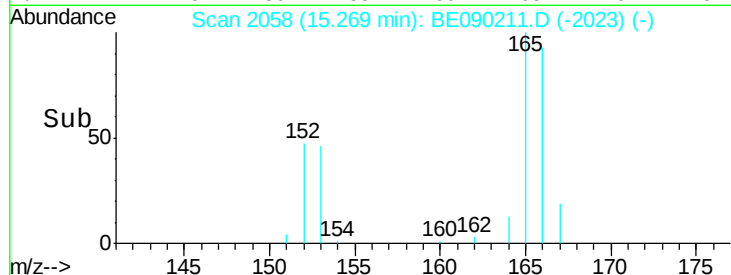
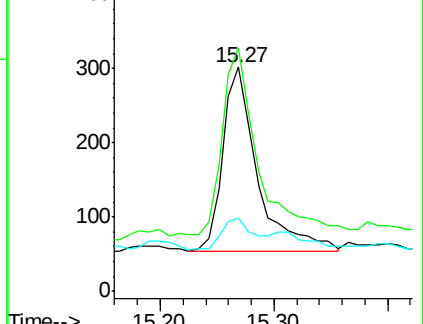
167 32.5 12.2 18.2#



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: 0.01 ng/ul

RT: 16.64 min Scan# 2189

Delta R.T. 0.02 min

Lab File: BE090211.D

Acq: 21 Jul 2015 22:15

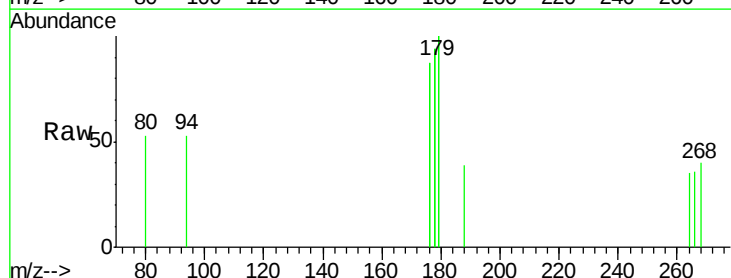
Tgt Ion:266 Resp: 2

Ion Ratio Lower Upper

266 100

264 50.0 51.6 77.4#

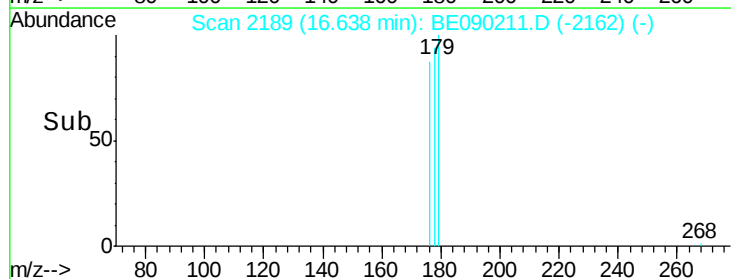
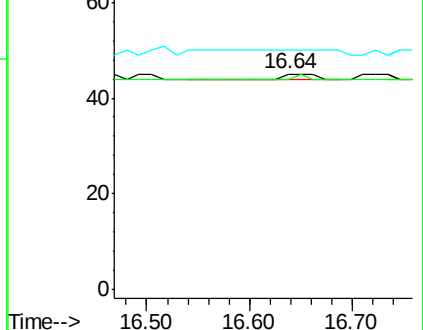
268 0.0 41.3 61.9#

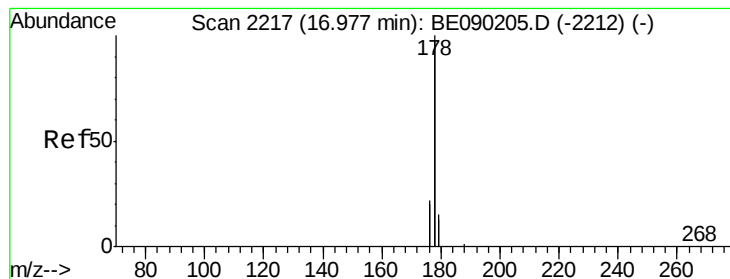


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.06 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BE090211.D

Acq: 21 Jul 2015 22:15

Instrument :

BNA_E

ClientSampleId :

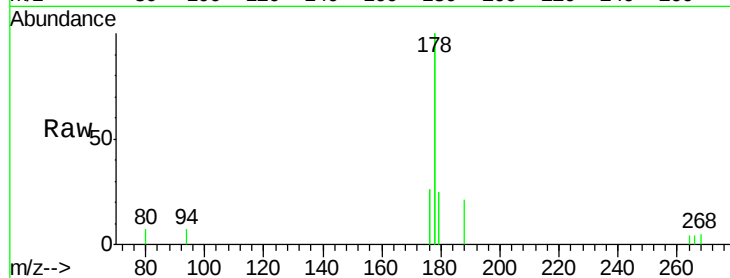
Tot Ion:178 Resp: 3393

Ion Ratio Lower Upper

178 100

176 26.4 17.6 26.4

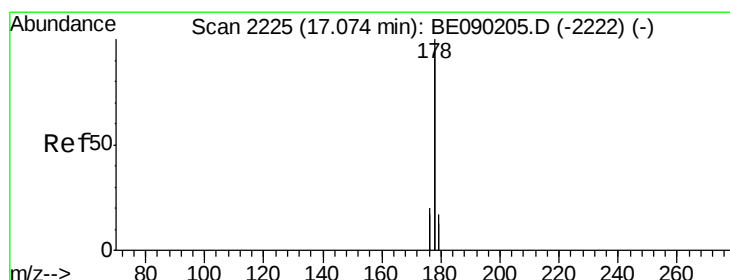
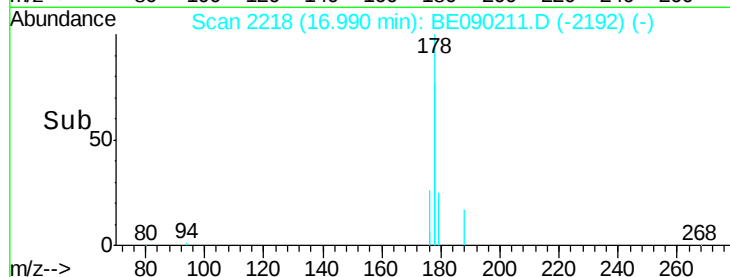
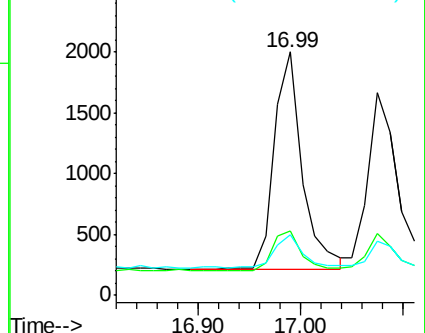
179 25.0 12.2 18.4#



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: BE090211.D

Acq: 21 Jul 2015 22:15

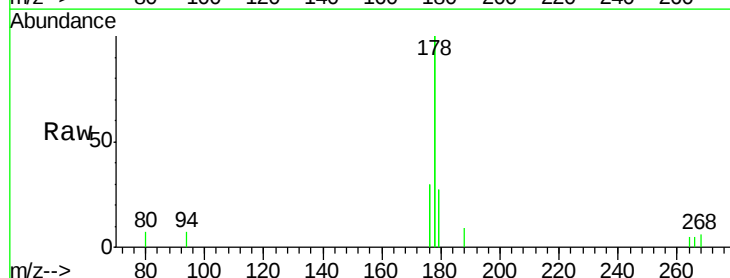
Tgt Ion:178 Resp: 3355

Ion Ratio Lower Upper

178 100

176 30.3 15.9 23.9#

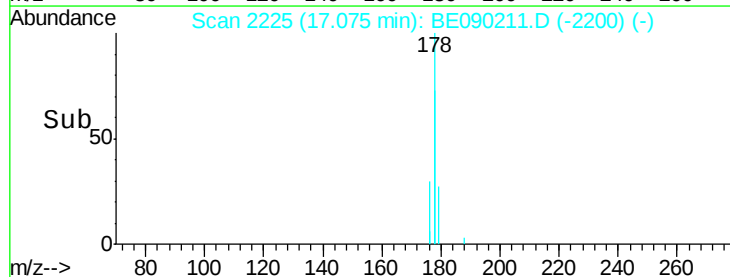
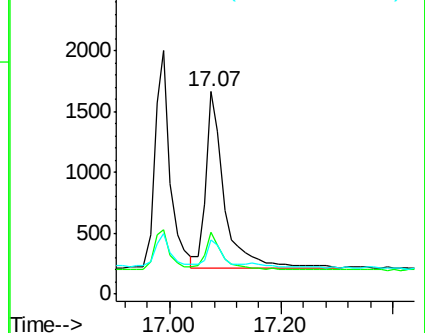
179 26.7 13.3 19.9#

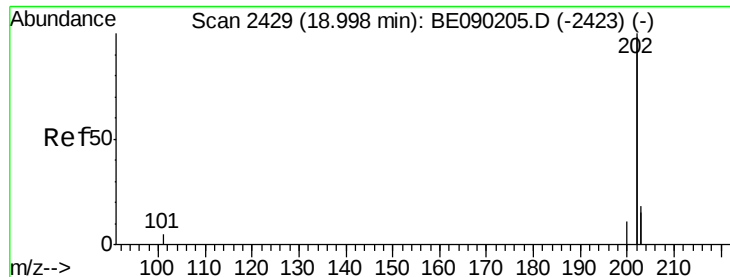


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

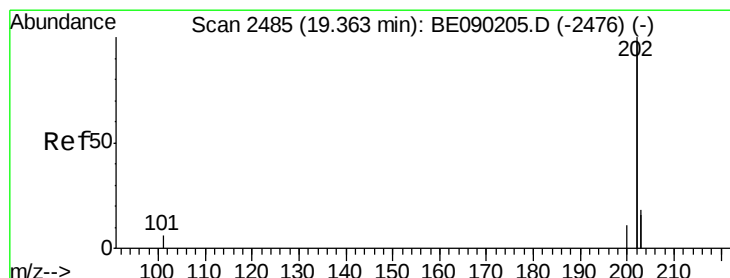
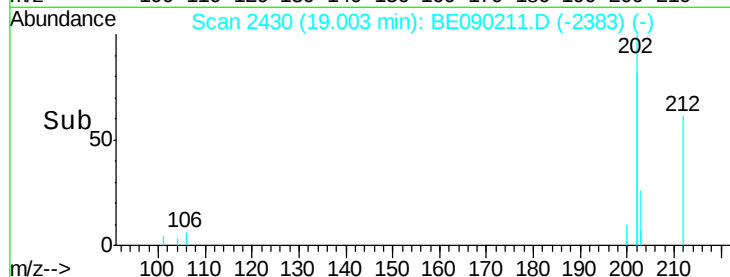
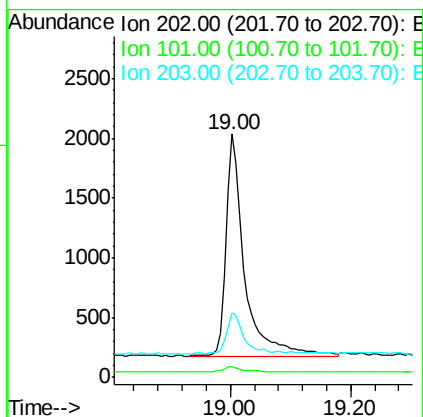
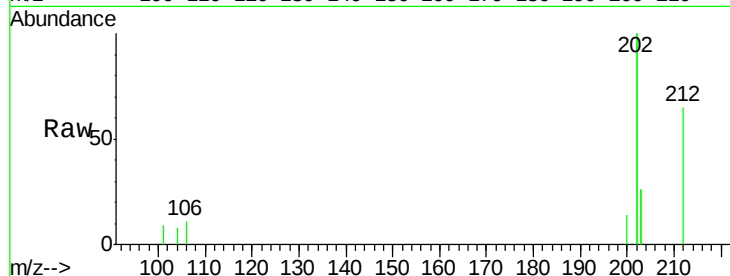




#15
Fluoranthene
Concen: 0.06 ng/ul
RT: 19.00 min Scan# 2430
Delta R.T. 0.01 min
Lab File: BE090211.D
Acq: 21 Jul 2015 22:15

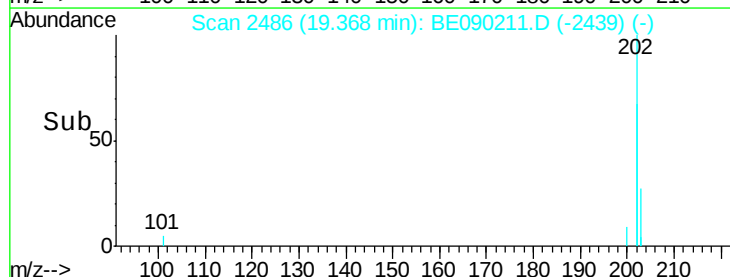
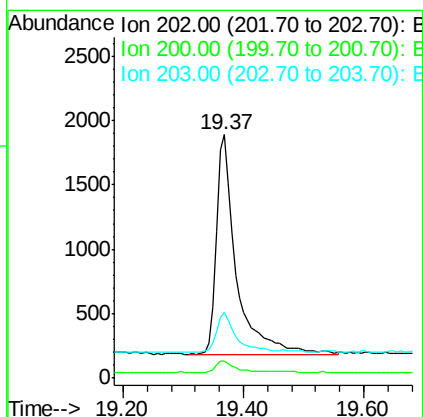
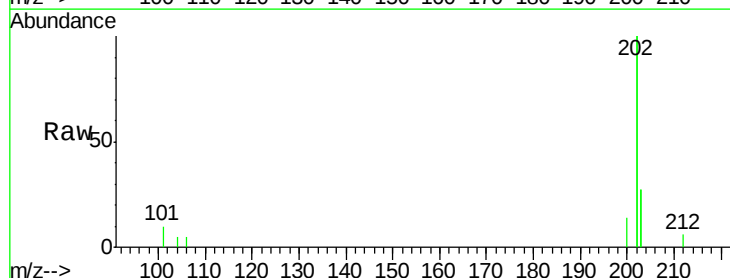
Instrument :
BNA_E
ClientSampleId :

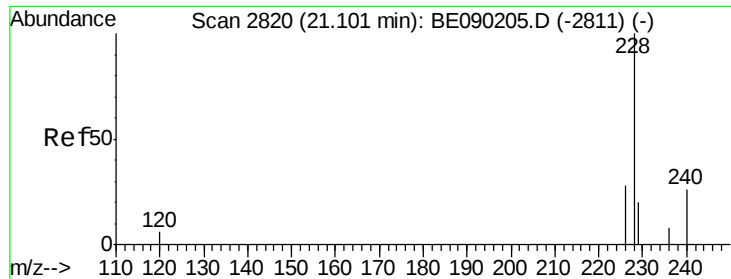
Tot Ion:202 Resp: 4002
Ion Ratio Lower Upper
202 100
101 4.5 0.0 23.0
203 26.4 0.0 37.8



#17
Pyrene
Concen: 0.08 ng/ul
RT: 19.37 min Scan# 2486
Delta R.T. 0.01 min
Lab File: BE090211.D
Acq: 21 Jul 2015 22:15

Tgt Ion:202 Resp: 3971
Ion Ratio Lower Upper
202 100
200 7.1 4.4 6.6#
203 27.0 14.6 22.0#

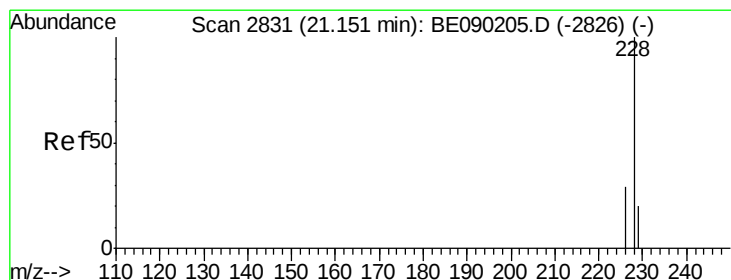
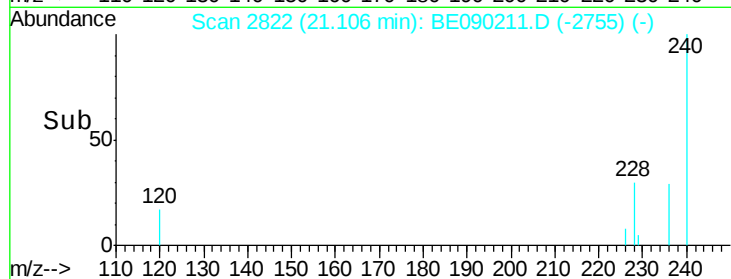
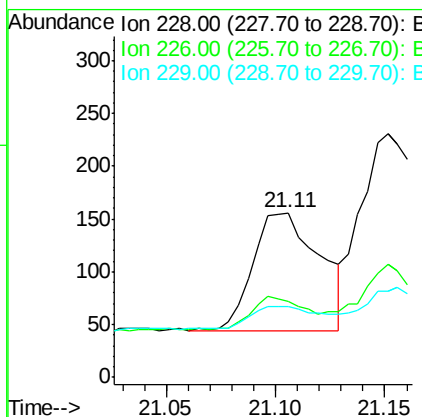
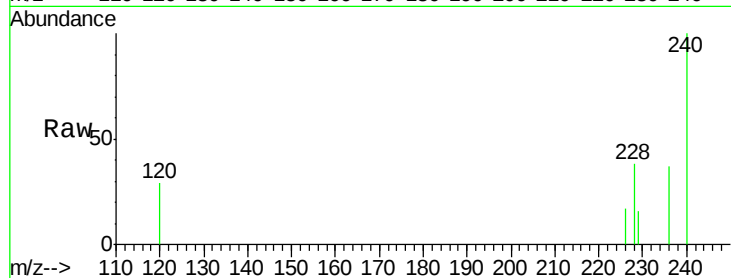




#18
Benzo(a)anthracene
Concen: 0.05 ng/ul
RT: 21.11 min Scan# 2822
Delta R.T. 0.01 min
Lab File: BE090211.D
Acq: 21 Jul 2015 22:15

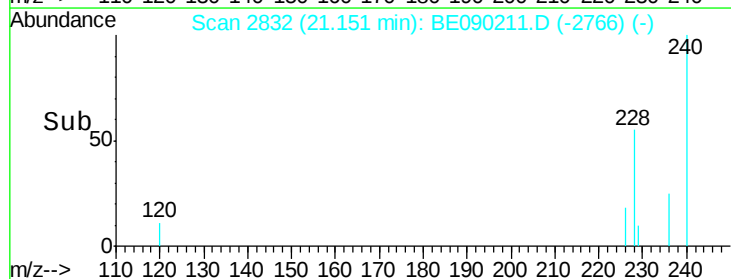
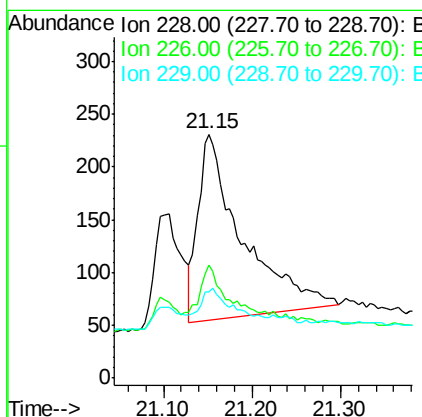
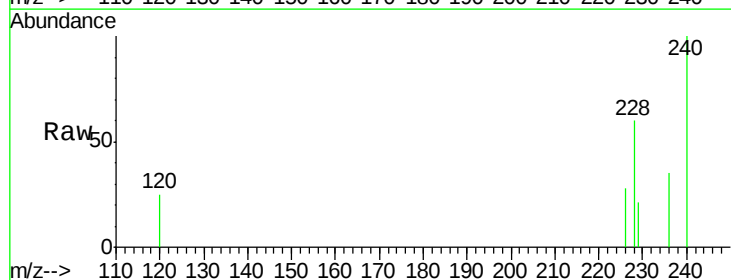
Instrument :
BNA_E
ClientSampleId :

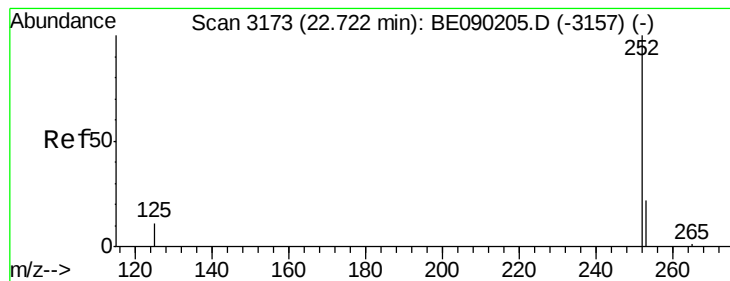
Tot Ion:228 Resp: 239
Ion Ratio Lower Upper
228 100
226 46.2 24.1 36.1#
229 42.9 17.9 26.9#



#19
Chrysene
Concen: 0.05 ng/ul
RT: 21.15 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BE090211.D
Acq: 21 Jul 2015 22:15

Tgt Ion:228 Resp: 613
Ion Ratio Lower Upper
228 100
226 46.3 24.6 36.8#
229 35.1 17.4 26.2#





#21

Benzo(b)fluoranthene

Concen: 0.06 ng/ul

RT: 22.73 min Scan# 3174

Delta R.T. 0.00 min

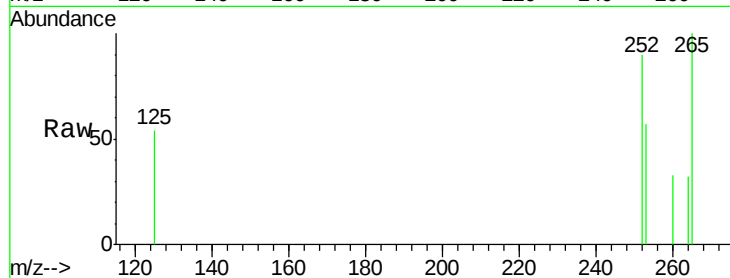
Lab File: BE090211.D

Acq: 21 Jul 2015 22:15

Instrument :

BNA_E

ClientSampleId :



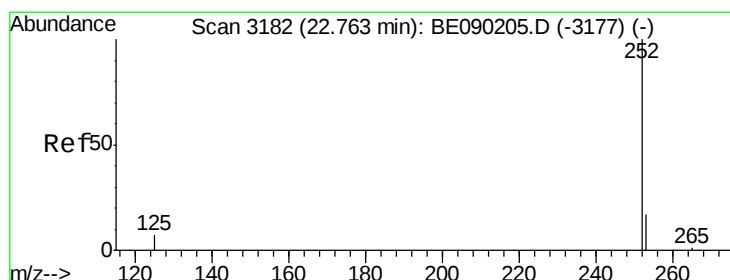
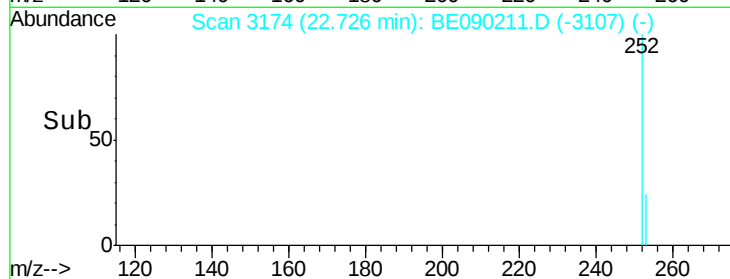
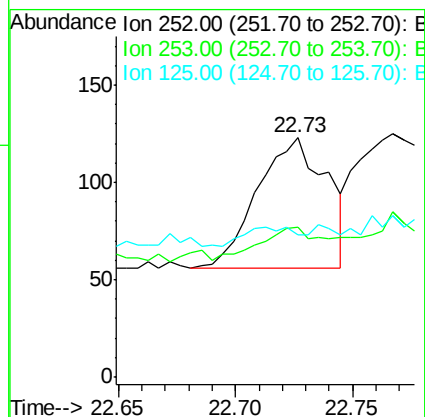
Tot Ion:252 Resp: 138

Ion Ratio Lower Upper

252 100

253 62.6 0.0 56.8#

125 59.3 0.0 37.0#



#22

Benzo(k)fluoranthene

Concen: 0.02 ng/ul

RT: 22.77 min Scan# 3183

Delta R.T. 0.00 min

Lab File: BE090211.D

Acq: 21 Jul 2015 22:15

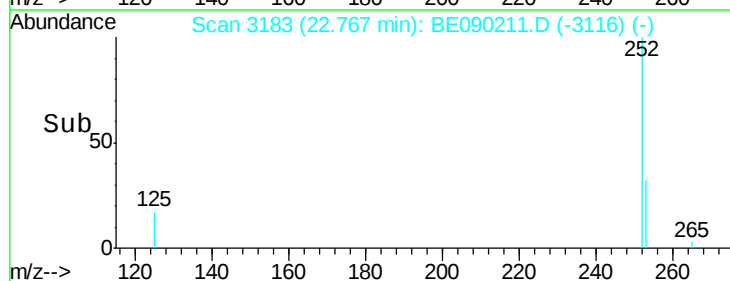
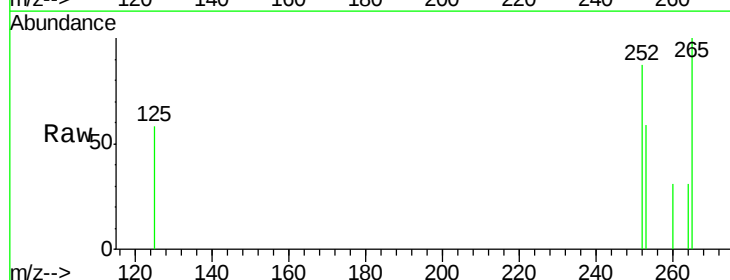
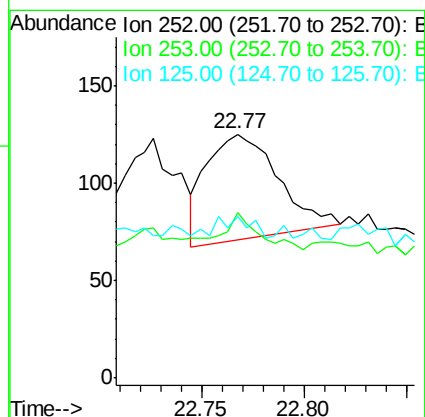
Tgt Ion:252 Resp: 132

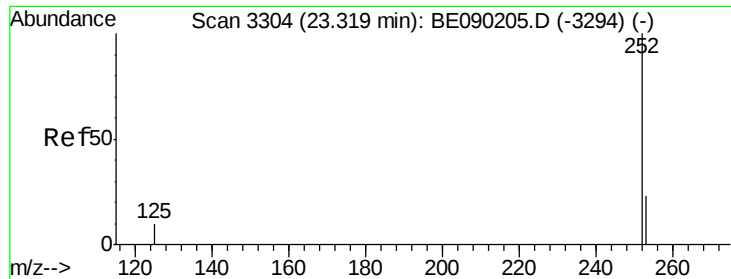
Ion Ratio Lower Upper

252 100

253 68.0 19.5 29.3#

125 66.4 11.9 17.9#





#23

Benzo(a)pyrene

Concen: 0.04 ng/ul

RT: 23.32 min Scan# 3305

Delta R.T. 0.00 min

Lab File: BE090211.D

Acq: 21 Jul 2015 22:15

Instrument :

BNA_E

ClientSampleId :

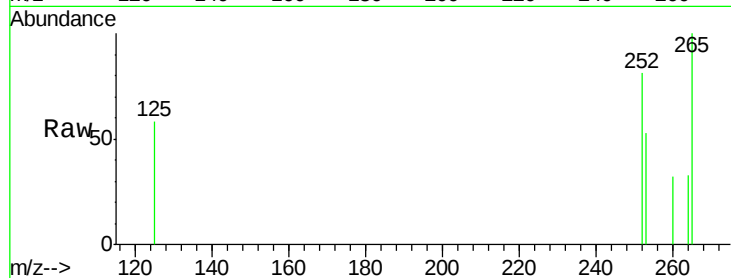
Tot Ion:252 Resp: 140

Ion Ratio Lower Upper

252 100

253 65.8 23.7 35.5#

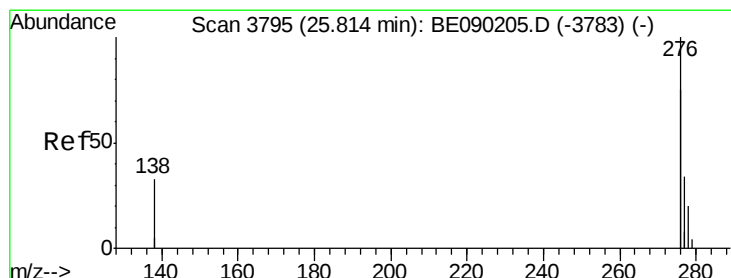
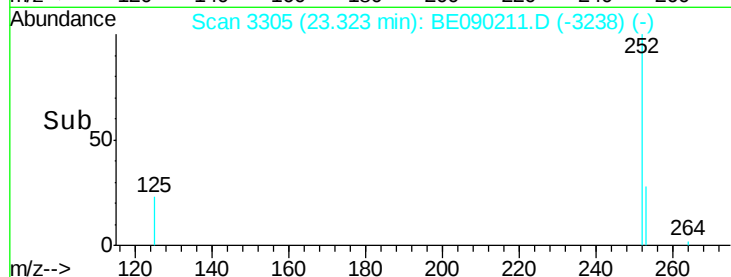
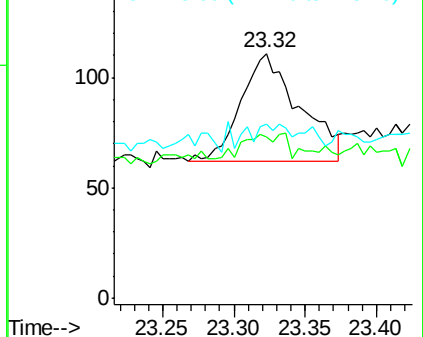
125 71.2 15.4 23.2#



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: 0.05 ng/ul

RT: 25.82 min Scan# 3796

Delta R.T. 0.00 min

Lab File: BE090211.D

Acq: 21 Jul 2015 22:15

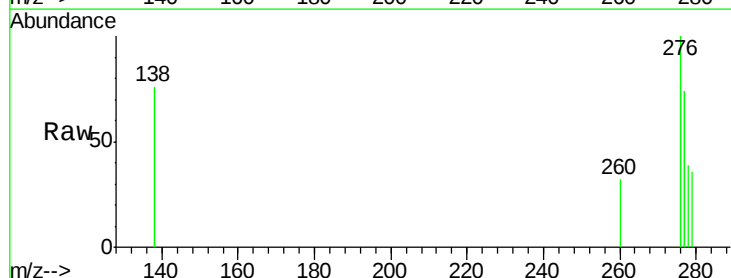
Tgt Ion:276 Resp: 476

Ion Ratio Lower Upper

276 100

138 0.0 16.9 25.3#

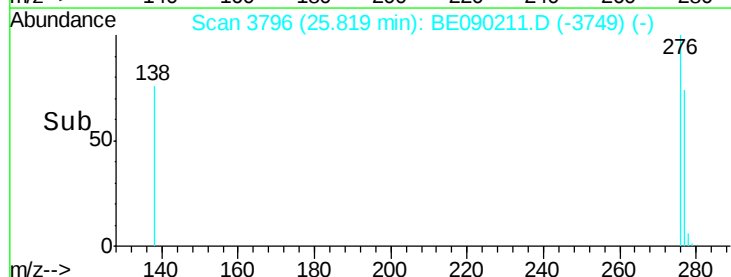
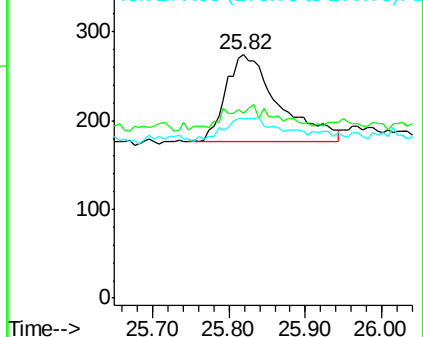
277 25.0 17.0 25.4

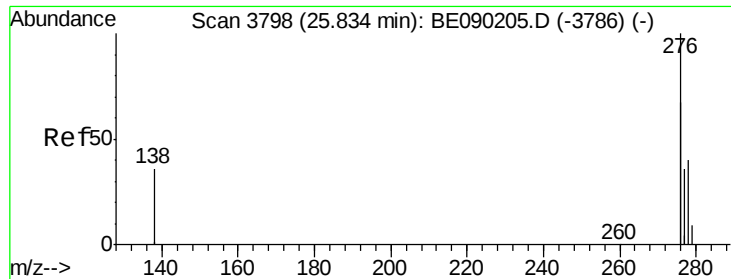


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

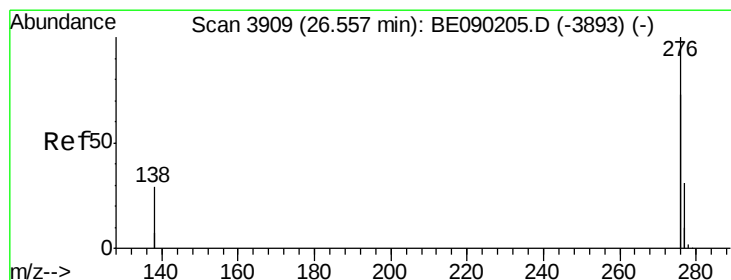
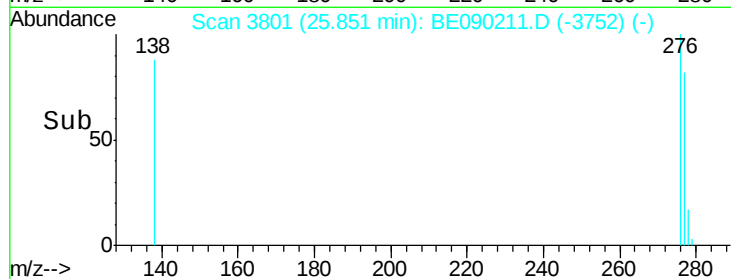
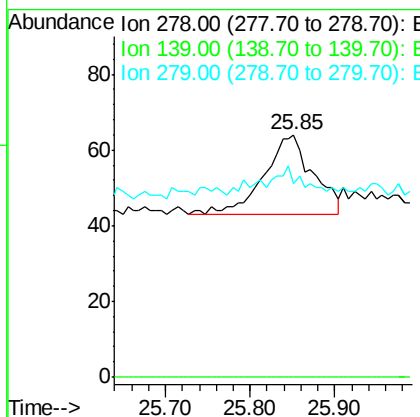
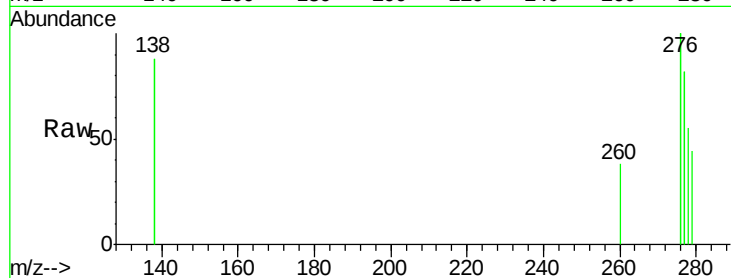




#25
 Dibenzo(a,h)anthracene
 Concen: 0.05 ng/ul
 RT: 25.85 min Scan# 3801
 Delta R.T. 0.02 min
 Lab File: BE090211.D
 Acq: 21 Jul 2015 22:15

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:278 Resp: 84
 Ion Ratio Lower Upper
 278 100
 139 0.0 0.0 0.0
 279 79.7 30.1 45.1#



#26
 Benzo(g,h,i)perylene
 Concen: 0.04 ng/ul
 RT: 26.56 min Scan# 3909
 Delta R.T. -0.00 min
 Lab File: BE090211.D
 Acq: 21 Jul 2015 22:15

Tgt Ion:276 Resp: 593
 Ion Ratio Lower Upper
 276 100
 277 67.5 24.6 36.8#
 138 70.6 23.5 35.3#

