

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072215\
 Data File : BE090213.D
 Acq On : 21 Jul 2015 23:29
 Operator : TP/IZ
 Sample : MDL-04-S
 Misc : MDL-SIM-SOIL-0.07PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 22 04:58:06 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	805	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3941	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2414	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	6336	0.40	ng/ul	0.01
16) Chrysene-d12	21.12	240	3708	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	2099	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	2187	0.35	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	6376	0.35	ng/ul	0.00

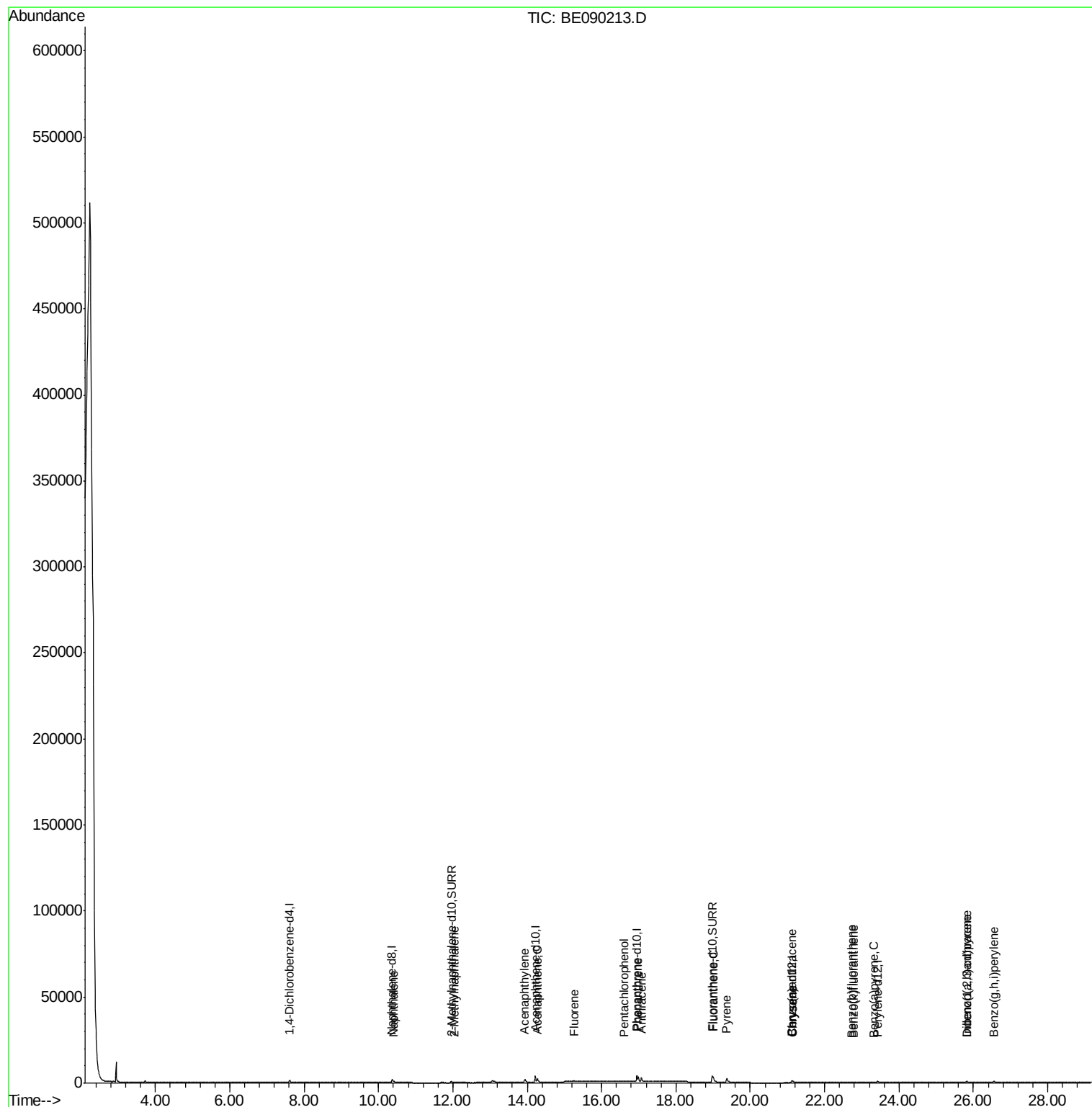
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	531	0.05	ng/ul#	70
5) 2-Methylnaphthalene	12.03	142	375	0.05	ng/ul	98
7) Acenaphthylene	13.93	152	2633	0.05	ng/ul#	82
8) Acenaphthene	14.27	153	1852	0.05	ng/ul	92
9) Fluorene	15.27	166	605	0.05	ng/ul#	93
11) Pentachlorophenol	16.60	266	3	0.01	ng/ul#	45
12) Phenanthrene	16.99	178	3733	0.05	ng/ul#	86
13) Anthracene	17.07	178	3863	0.06	ng/ul#	79
15) Fluoranthene	19.00	202	4467	0.05	ng/ul	87
17) Pyrene	19.37	202	4563	0.07	ng/ul#	84
18) Benzo(a)anthracene	21.10	228	234	0.04	ng/ul#	68
19) Chrysene	21.15	228	626	0.04	ng/ul#	76
21) Benzo(b)fluoranthene	22.73	252	131	0.05	ng/ul#	18
22) Benzo(k)fluoranthene	22.77	252	234	0.03	ng/ul#	12
23) Benzo(a)pyrene	23.32	252	172	0.04	ng/ul#	17
24) Indeno(1,2,3-cd)pyrene	25.83	276	513	0.04	ng/ul	95
25) Dibenzo(a,h)anthracene	25.85	278	78	0.04	ng/ul#	24
26) Benzo(g,h,i)perylene	26.55	276	627	0.04	ng/ul#	25

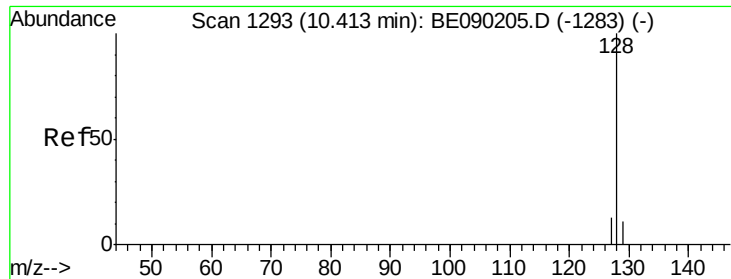
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.05 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.01 min

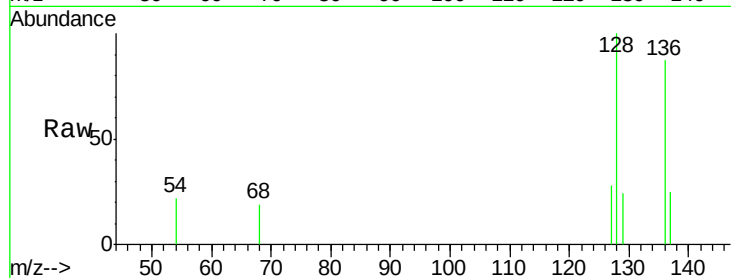
Lab File: BE090213.D

Acq: 21 Jul 2015 23:29

Instrument :

BNA_E

ClientSampleId :



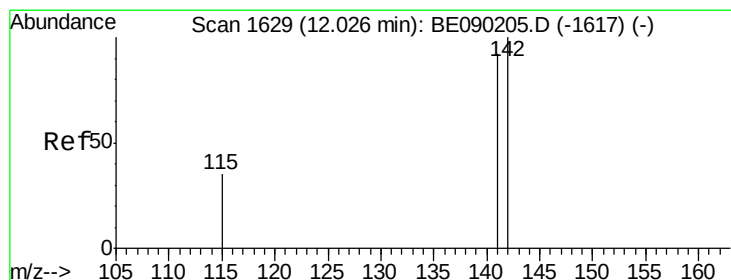
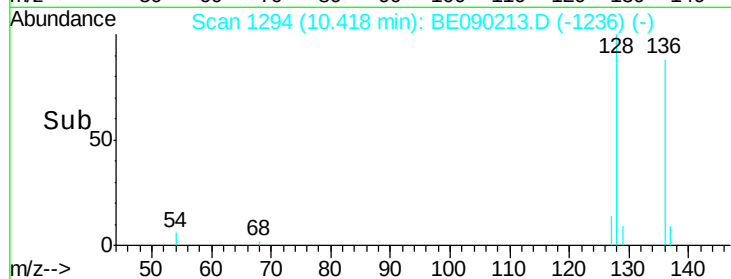
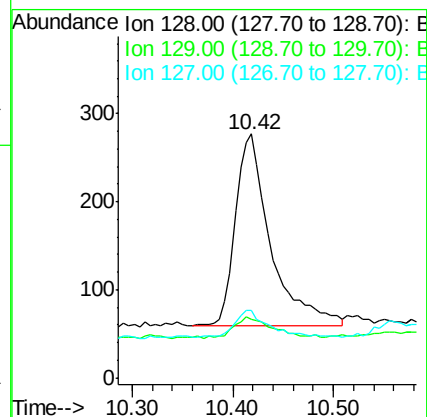
Tot Ion:128 Resp: 531

Ion Ratio Lower Upper

128 100

129 23.8 10.2 15.2#

127 27.8 11.8 17.6#



#5

2-Methylnaphthalene

Concen: 0.05 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. 0.01 min

Lab File: BE090213.D

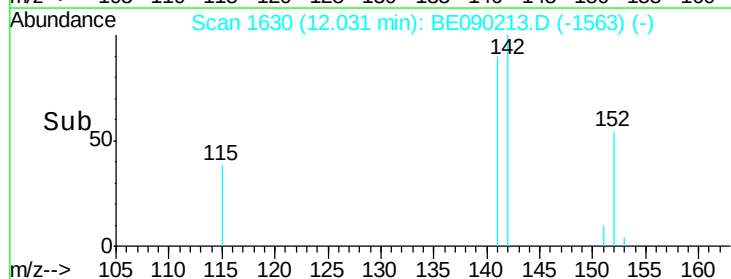
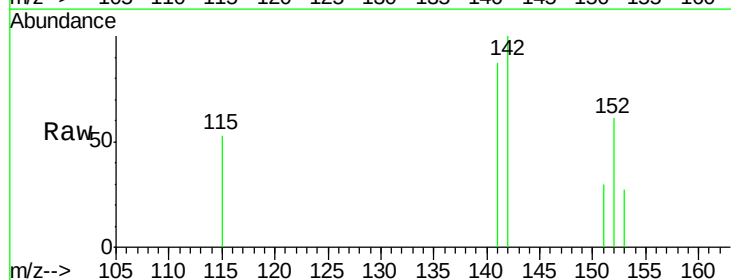
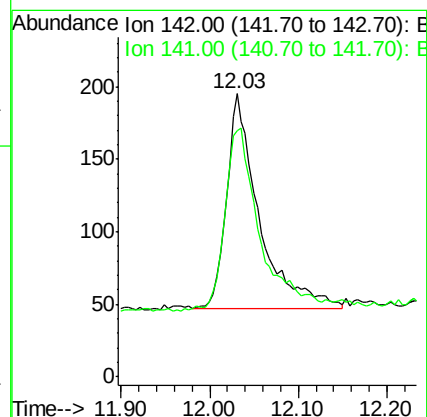
Acq: 21 Jul 2015 23:29

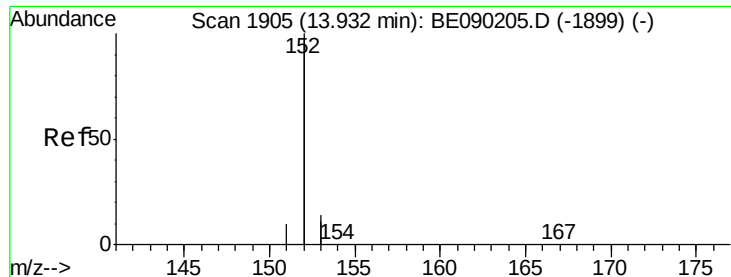
Tgt Ion:142 Resp: 375

Ion Ratio Lower Upper

142 100

141 92.8 73.0 109.6





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. -0.00 min

Lab File: BE090213.D

Acq: 21 Jul 2015 23:29

Instrument :

BNA_E

ClientSampleId :

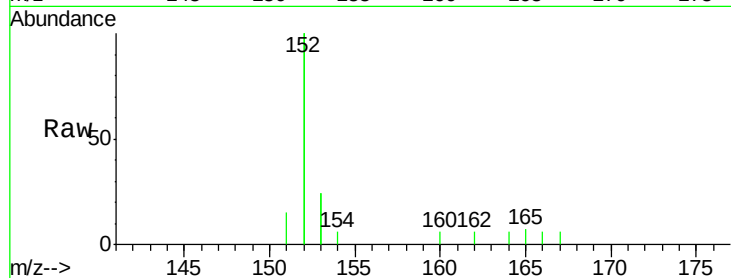
Tot Ion:152 Resp: 2633

Ion Ratio Lower Upper

152 100

151 7.7 4.2 6.4#

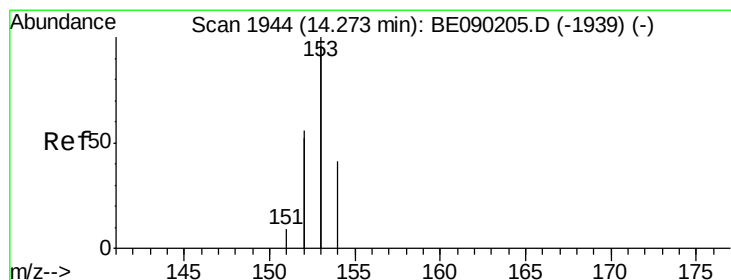
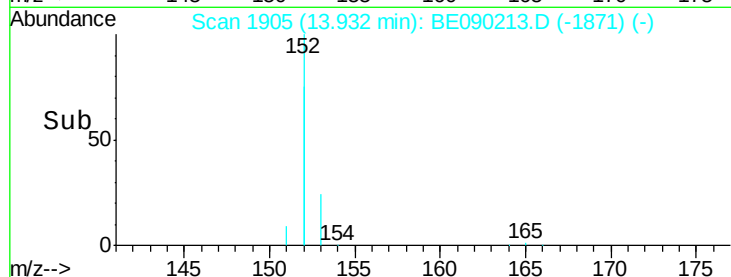
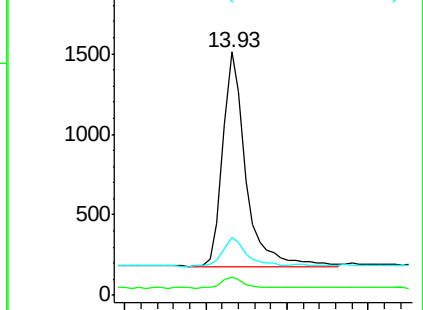
153 23.7 11.5 17.3#



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: 0.05 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BE090213.D

Acq: 21 Jul 2015 23:29

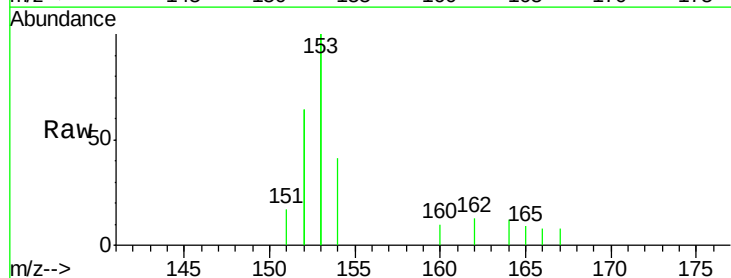
Tgt Ion:153 Resp: 1852

Ion Ratio Lower Upper

153 100

152 63.5 45.0 67.4

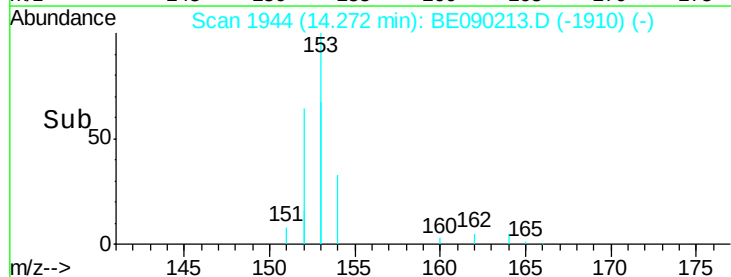
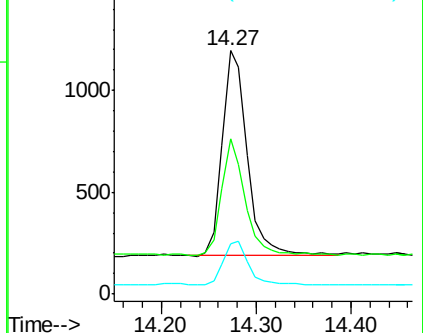
154 20.5 16.8 25.2

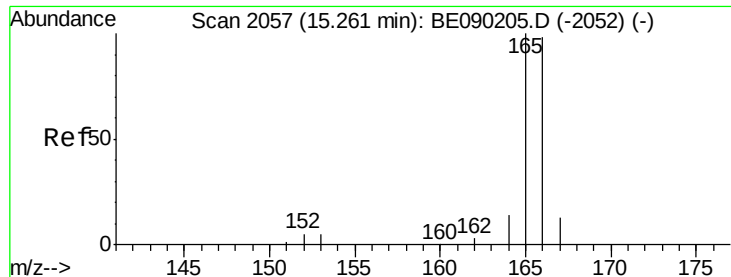


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.05 ng/ul

RT: 15.27 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BE090213.D

Acq: 21 Jul 2015 23:29

Instrument :

BNA_E

ClientSampleId :

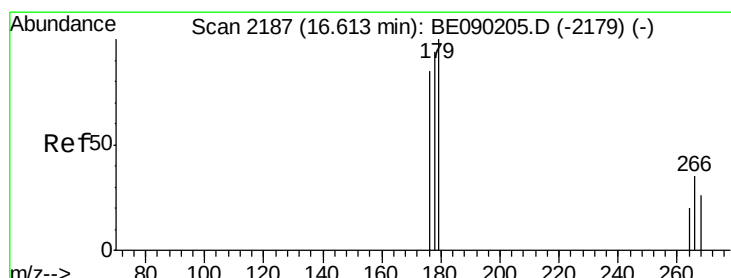
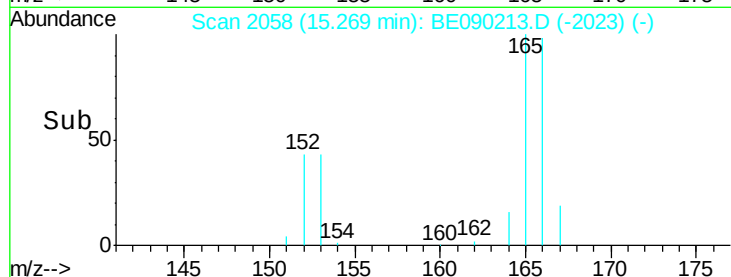
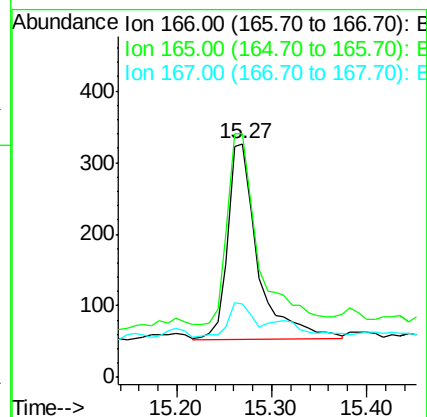
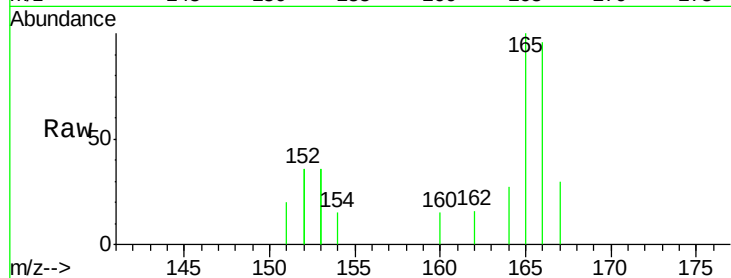
Tot Ion:166 Resp: 605

Ion Ratio Lower Upper

166 100

165 104.3 81.9 122.9

167 31.3 12.2 18.2#



#11

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.60 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BE090213.D

Acq: 21 Jul 2015 23:29

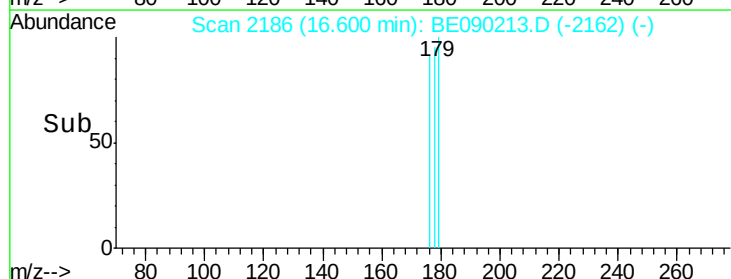
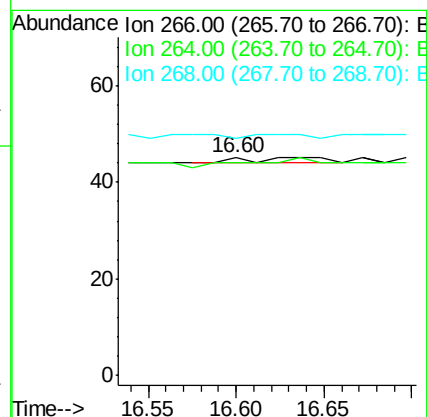
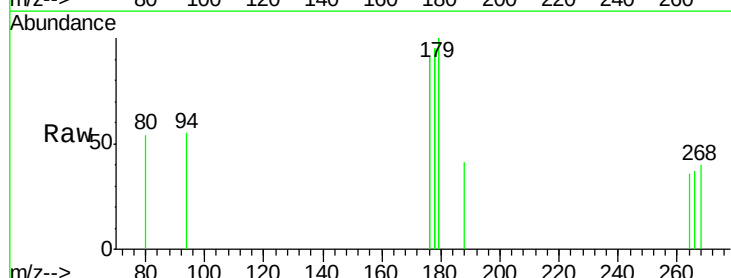
Tgt Ion:266 Resp: 3

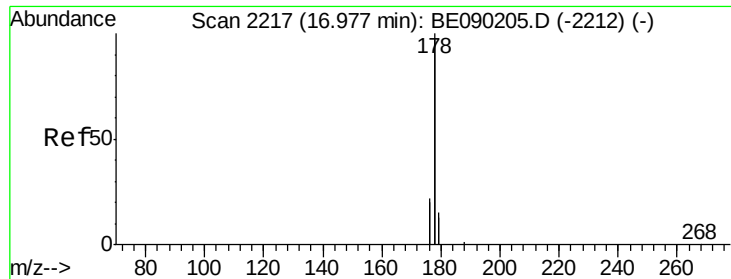
Ion Ratio Lower Upper

266 100

264 0.0 51.6 77.4#

268 66.7 41.3 61.9#





#12

Phenanthrene

Concen: 0.05 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BE090213.D

Acq: 21 Jul 2015 23:29

Instrument :

BNA_E

ClientSampleId :

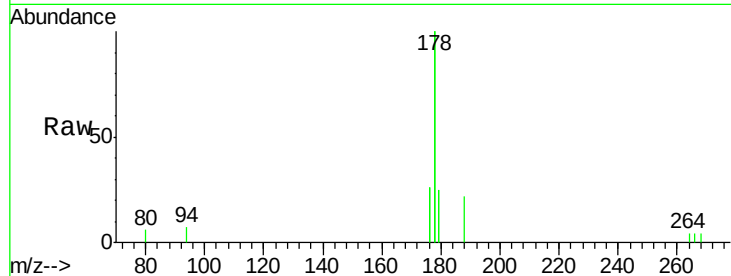
Tot Ion:178 Resp: 3733

Ion Ratio Lower Upper

178 100

176 26.0 17.6 26.4

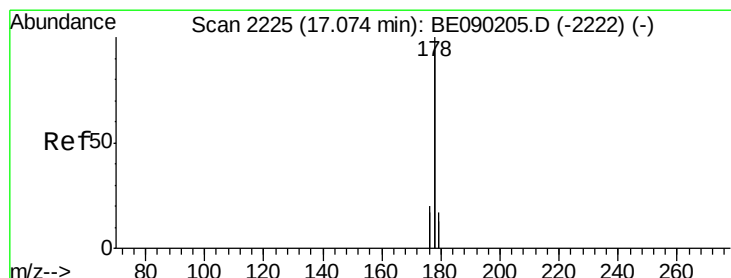
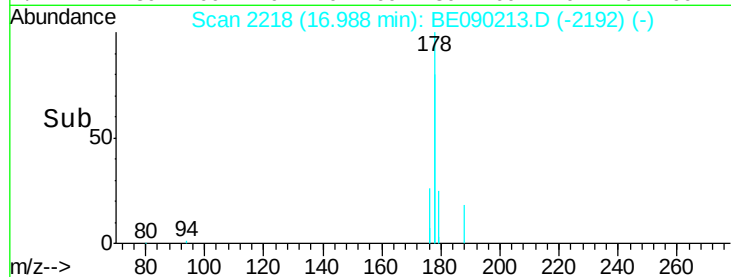
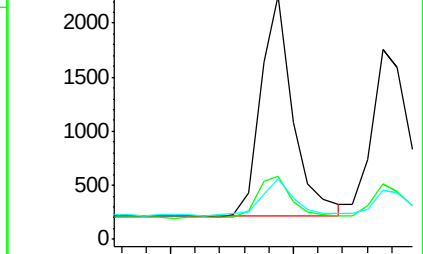
179 24.7 12.2 18.4#



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: BE090213.D

Acq: 21 Jul 2015 23:29

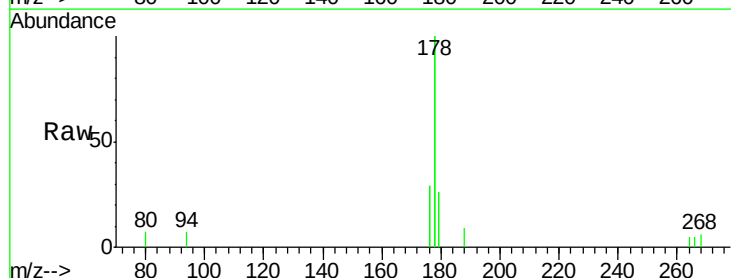
Tgt Ion:178 Resp: 3863

Ion Ratio Lower Upper

178 100

176 29.4 15.9 23.9#

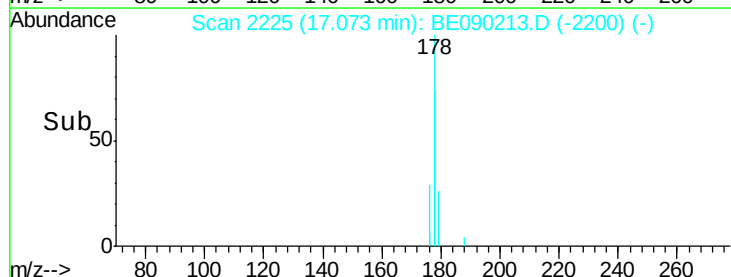
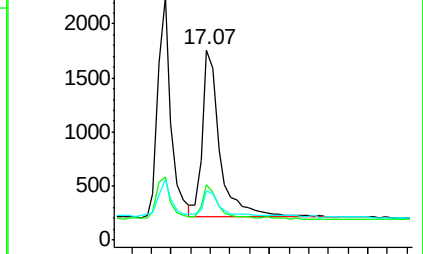
179 25.5 13.3 19.9#

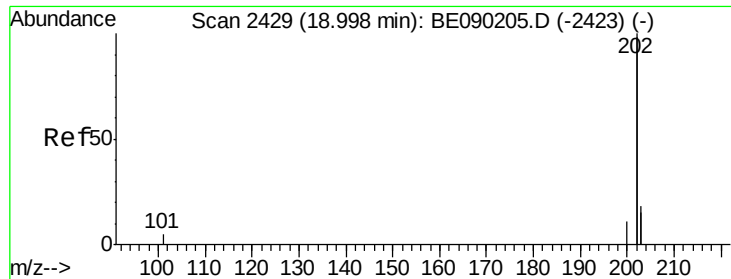


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

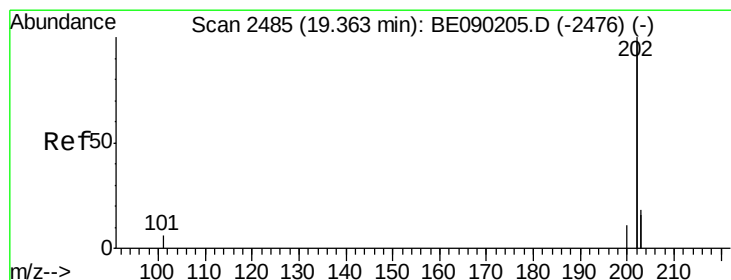
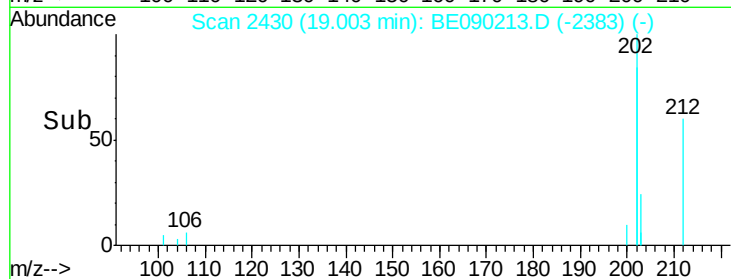
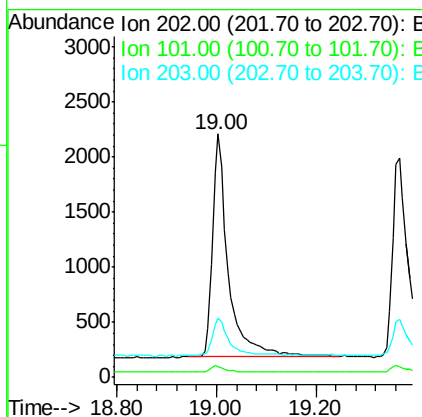
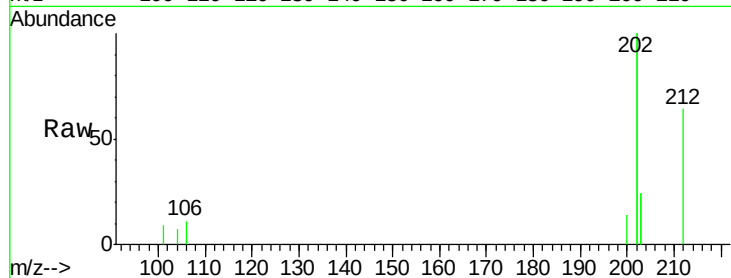




#15
Fluoranthene
Concen: 0.05 ng/ul
RT: 19.00 min Scan# 2430
Delta R.T. 0.01 min
Lab File: BE090213.D
Acq: 21 Jul 2015 23:29

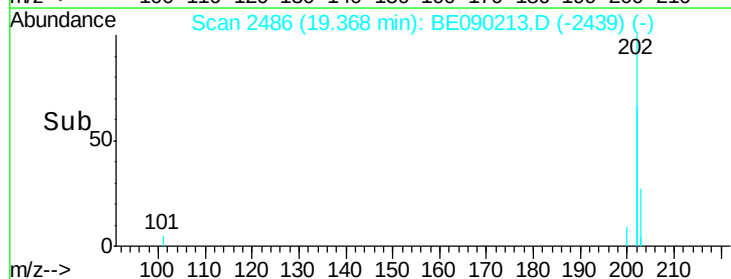
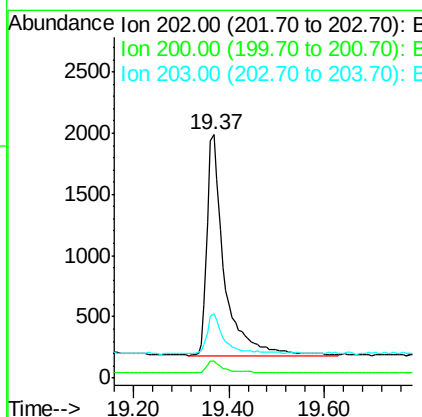
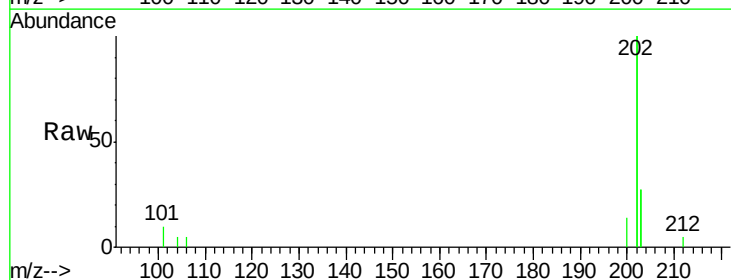
Instrument :
BNA_E
ClientSampleId :

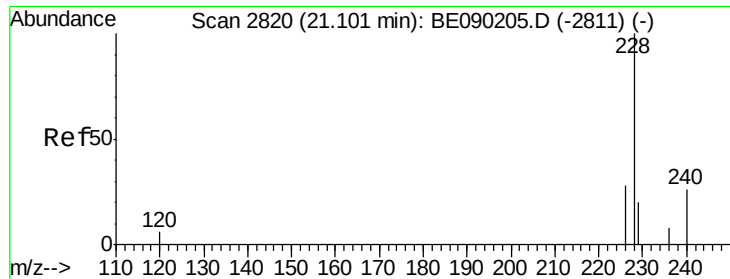
Tot Ion:202 Resp: 4467
Ion Ratio Lower Upper
202 100
101 4.4 0.0 23.0
203 24.3 0.0 37.8



#17
Pyrene
Concen: 0.07 ng/ul
RT: 19.37 min Scan# 2486
Delta R.T. 0.01 min
Lab File: BE090213.D
Acq: 21 Jul 2015 23:29

Tgt Ion:202 Resp: 4563
Ion Ratio Lower Upper
202 100
200 7.2 4.4 6.6#
203 26.7 14.6 22.0#

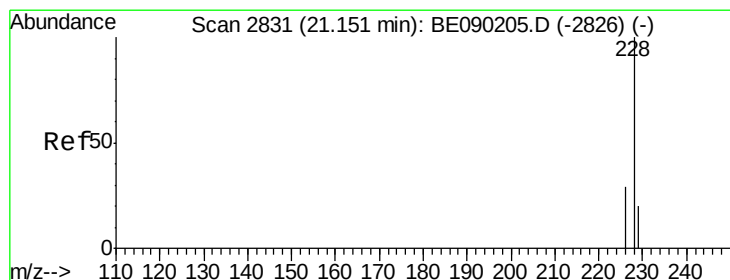
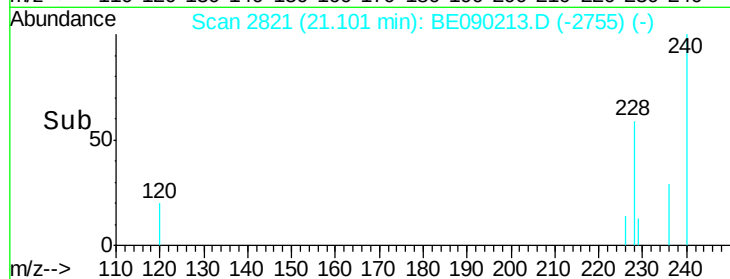
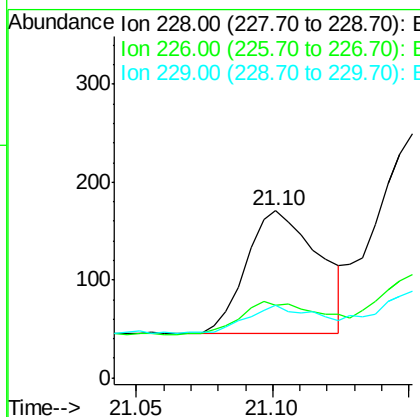
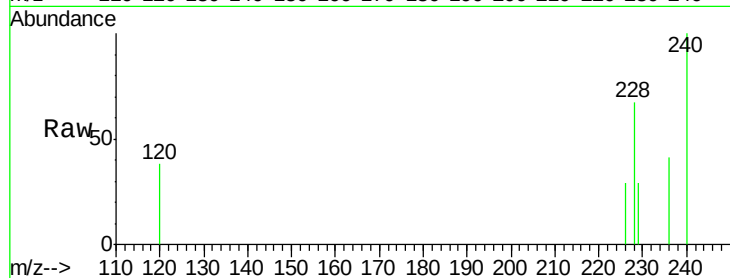




#18
Benzo(a)anthracene
Concen: 0.04 ng/ul
RT: 21.10 min Scan# 2821
Delta R.T. 0.00 min
Lab File: BE090213.D
Acq: 21 Jul 2015 23:29

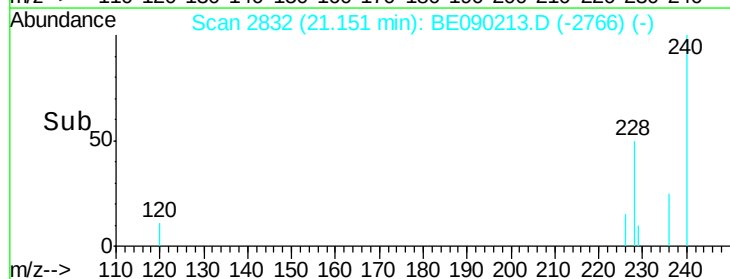
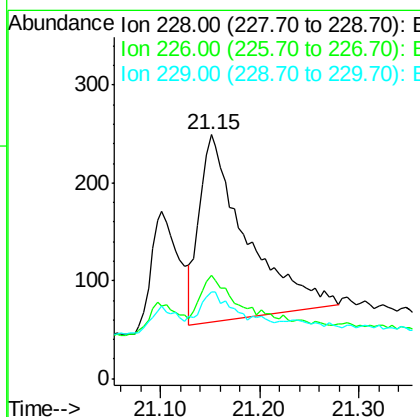
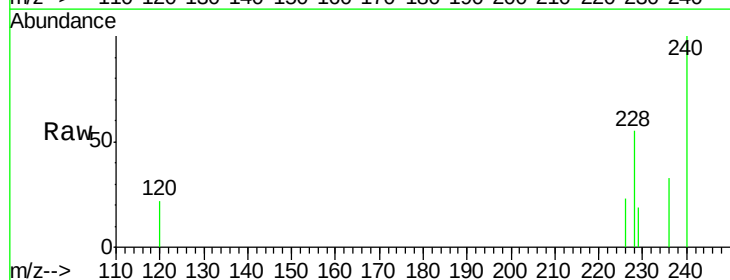
Instrument :
BNA_E
ClientSampleId :

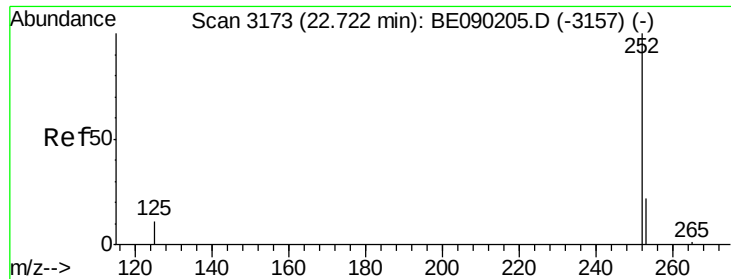
Tot Ion:228 Resp: 234
Ion Ratio Lower Upper
228 100
226 43.3 24.1 36.1#
229 43.3 17.9 26.9#



#19
Chrysene
Concen: 0.04 ng/ul
RT: 21.15 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BE090213.D
Acq: 21 Jul 2015 23:29

Tgt Ion:228 Resp: 626
Ion Ratio Lower Upper
228 100
226 42.2 24.6 36.8#
229 35.3 17.4 26.2#





#21

Benzo(b)fluoranthene

Concen: 0.05 ng/ul

RT: 22.73 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE090213.D

Acq: 21 Jul 2015 23:29

Instrument :

BNA_E

ClientSampleId :

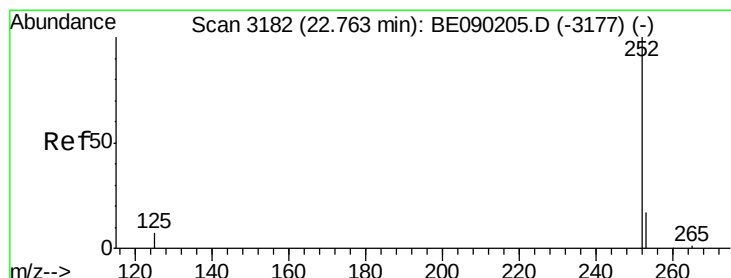
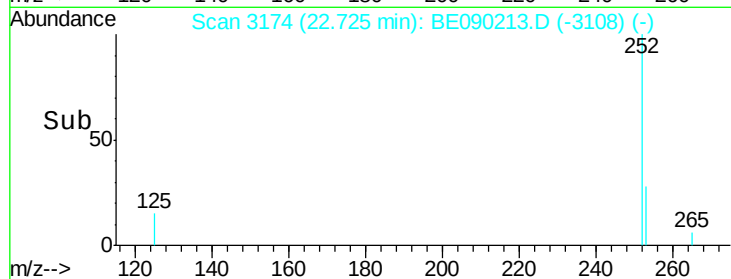
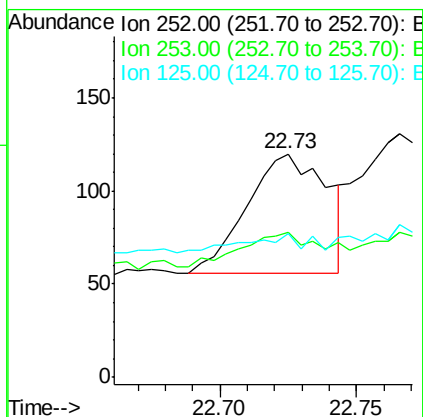
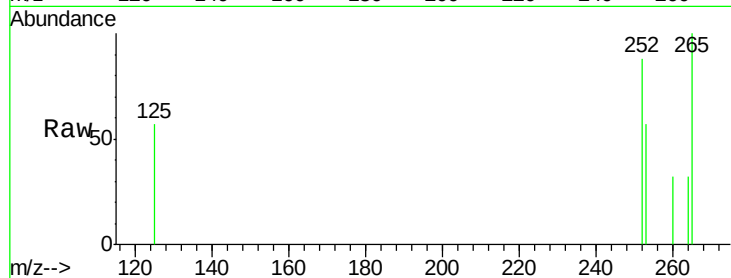
Tot Ion:252 Resp: 131

Ion Ratio Lower Upper

252 100

253 65.0 0.0 56.8#

125 64.2 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: BE090213.D

Acq: 21 Jul 2015 23:29

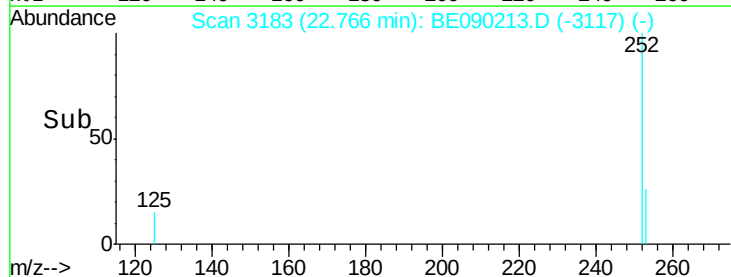
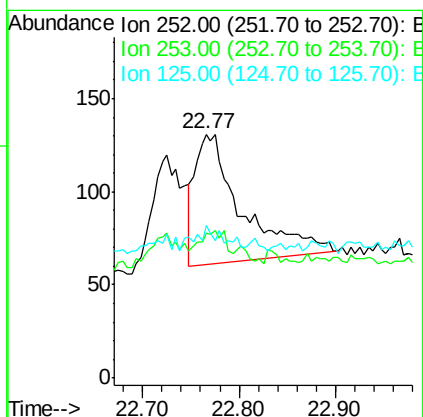
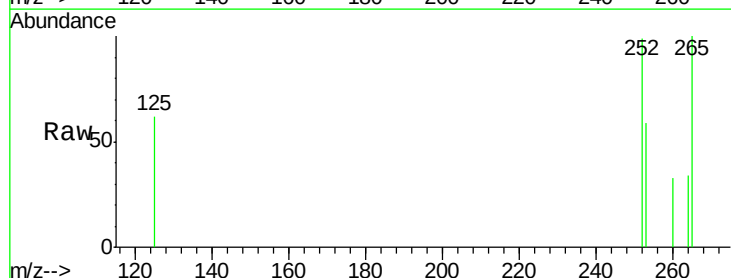
Tgt Ion:252 Resp: 234

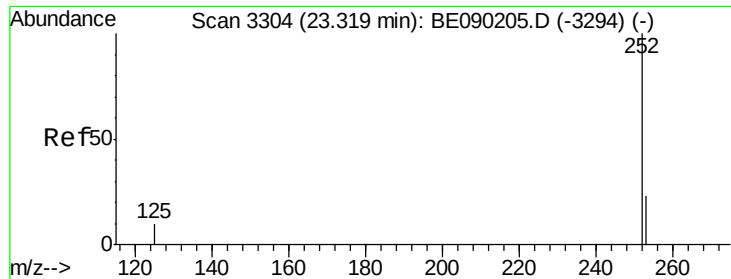
Ion Ratio Lower Upper

252 100

253 59.5 19.5 29.3#

125 62.6 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: BE090213.D

Acq: 21 Jul 2015 23:29

Instrument :

BNA_E

ClientSampleId :

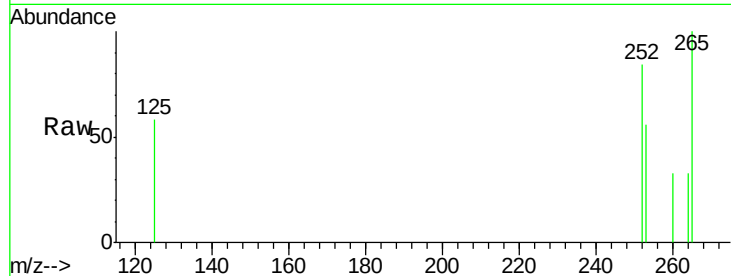
Tot Ion:252 Resp: 172

Ion Ratio Lower Upper

252 100

253 65.8 23.7 35.5#

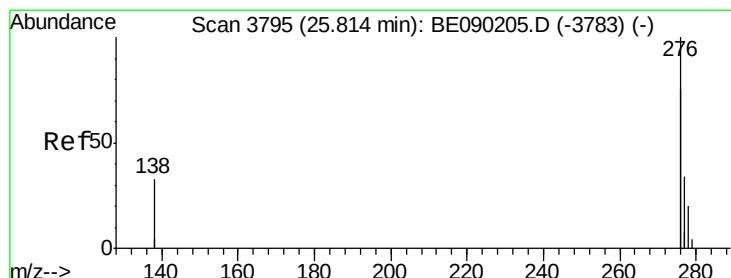
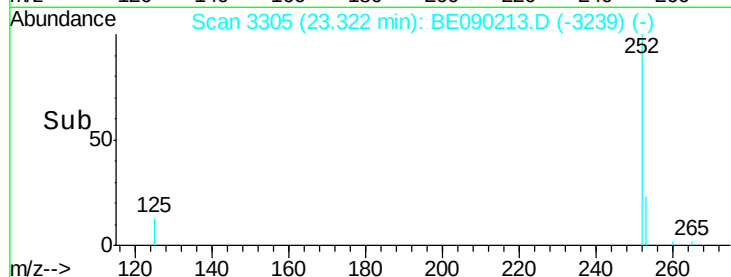
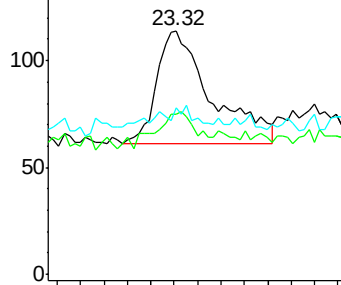
125 68.4 15.4 23.2#



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: 0.04 ng/ul

RT: 25.83 min Scan# 3797

Delta R.T. 0.01 min

Lab File: BE090213.D

Acq: 21 Jul 2015 23:29

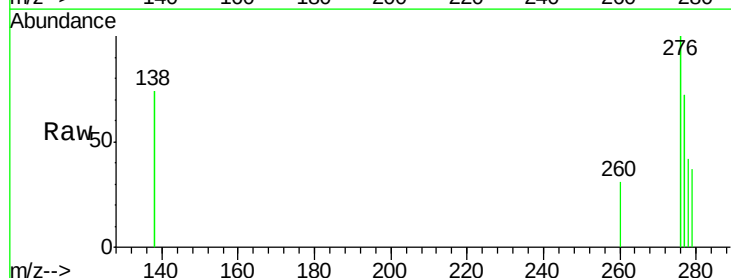
Tgt Ion:276 Resp: 513

Ion Ratio Lower Upper

276 100

138 23.4 16.9 25.3

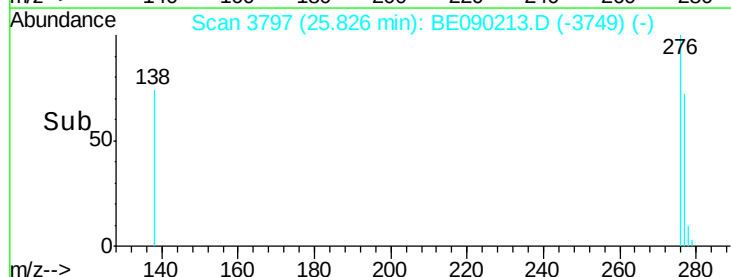
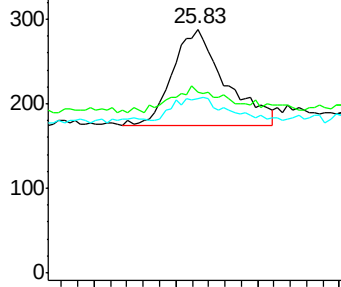
277 23.6 17.0 25.4

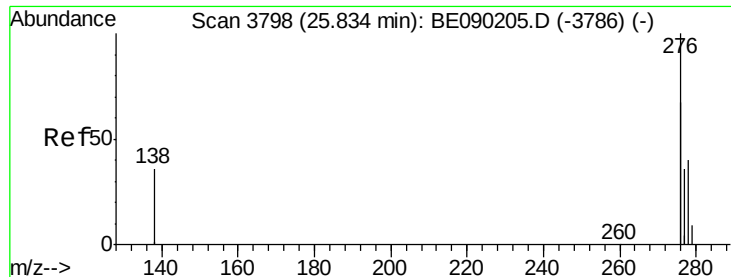


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.04 ng/ul

RT: 25.85 min Scan# 3800

Delta R.T. 0.01 min

Lab File: BE090213.D

Acq: 21 Jul 2015 23:29

Instrument :

BNA_E

ClientSampleId :

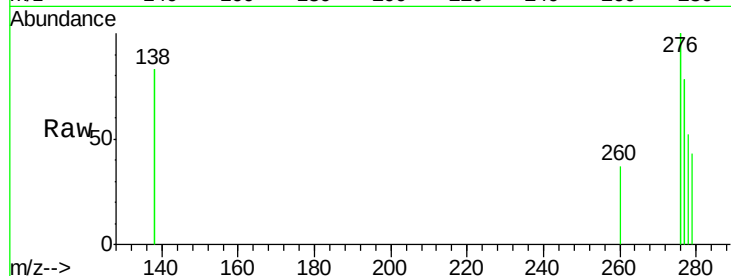
Tot Ion:278 Resp: 78

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

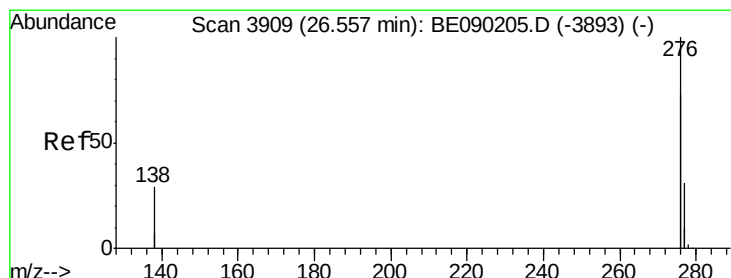
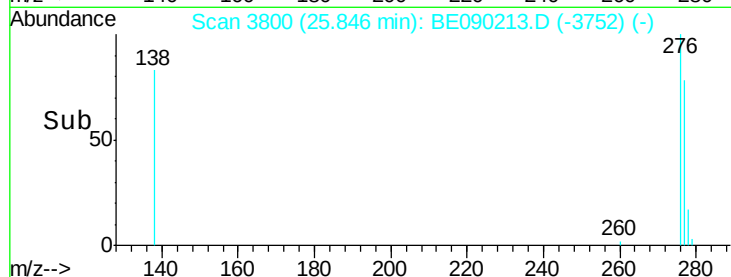
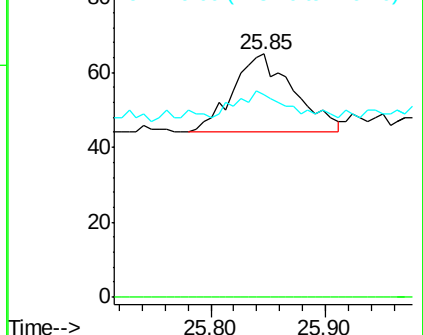
279 83.1 30.1 45.1#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.04 ng/ul

RT: 26.55 min Scan# 3908

Delta R.T. -0.01 min

Lab File: BE090213.D

Acq: 21 Jul 2015 23:29

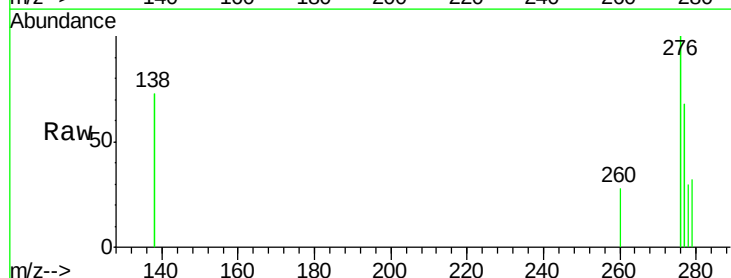
Tgt Ion:276 Resp: 627

Ion Ratio Lower Upper

276 100

277 68.4 24.6 36.8#

138 72.9 23.5 35.3#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

