

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072215\
 Data File : BE090209.D
 Acq On : 21 Jul 2015 21:00
 Operator : TP/IZ
 Sample : MDL-S-BLK
 Misc : MDL-SIM-SOIL-BLK
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 22 04:57:30 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	734	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3842	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2360	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	6267	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	4255	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	2477	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	2519	0.42	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	7781	0.43	ng/ul	0.00

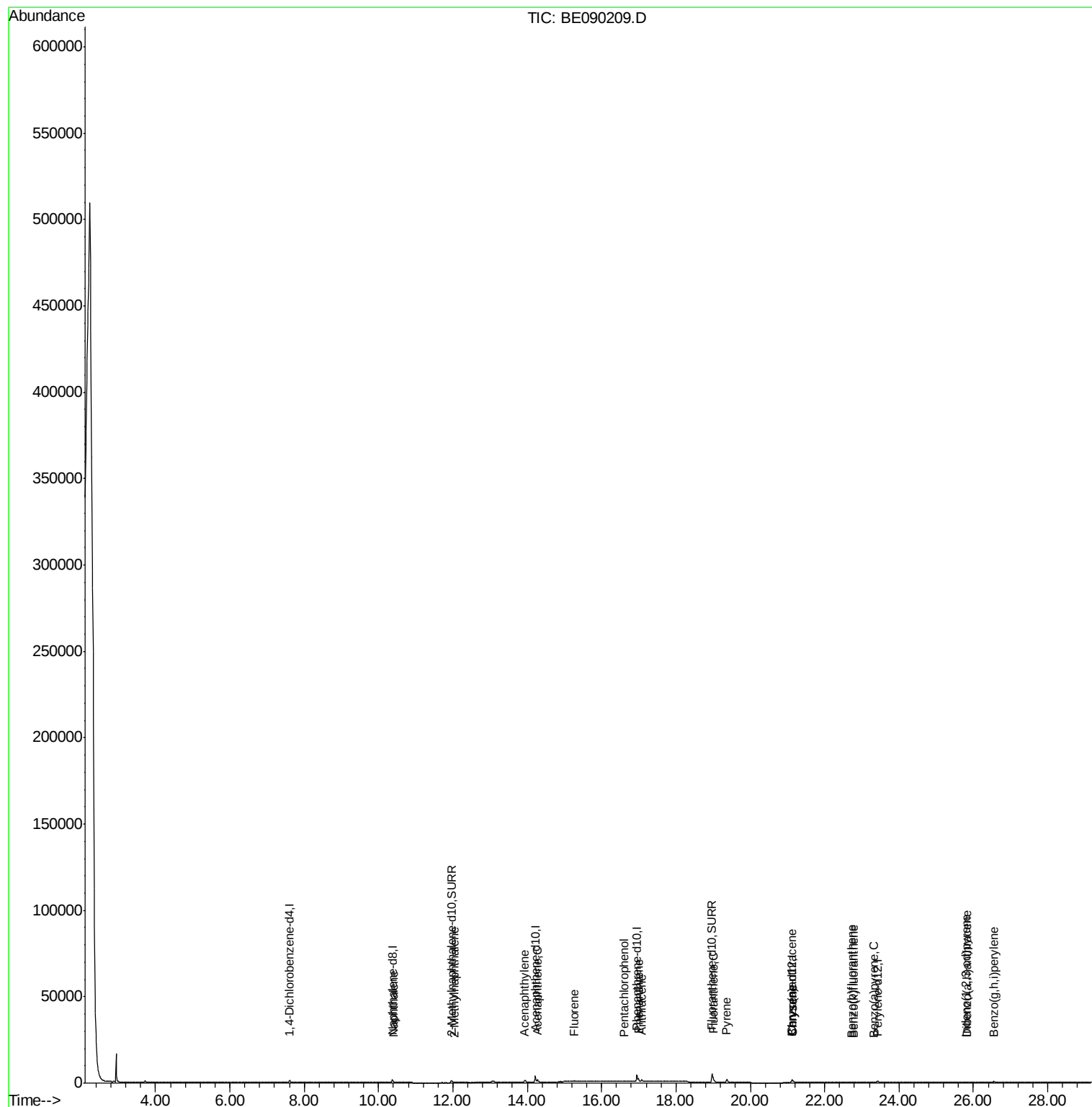
Target Compounds				Ovalue		
3) Naphthalene	10.41	128	186	0.02	ng/ul#	35
5) 2-Methylnaphthalene	12.04	142	196	0.03	ng/ul	91
7) Acenaphthylene	13.93	152	1624	0.03	ng/ul#	74
8) Acenaphthene	14.27	153	1188	0.03	ng/ul	93
9) Fluorene	15.27	166	401	0.04	ng/ul#	93
11) Pentachlorophenol	16.61	266	21	0.05	ng/ul#	81
12) Phenanthrene	16.99	178	2329	0.03	ng/ul#	77
13) Anthracene	17.07	178	2401	0.03	ng/ul#	68
15) Fluoranthene	19.00	202	2759	0.03	ng/ul	77
17) Pyrene	19.36	202	2666	0.04	ng/ul#	79
18) Benzo(a)anthracene	21.10	228	188	0.03	ng/ul#	59
19) Chrysene	21.15	228	409	0.02	ng/ul#	69
21) Benzo(b)fluoranthene	22.73	252	106	0.03	ng/ul#	17
22) Benzo(k)fluoranthene	22.77	252	79	0.01	ng/ul#	4
23) Benzo(a)pyrene	23.32	252	121	0.02	ng/ul#	4
24) Indeno(1,2,3-cd)pyrene	25.81	276	342	0.02	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.85	278	47	0.02	ng/ul#	21
26) Benzo(g,h,i)perylene	26.54	276	501	0.02	ng/ul#	18

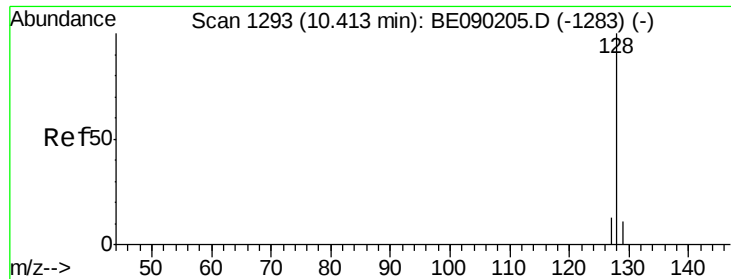
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.02 ng/ul

RT: 10.41 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BE090209.D

Acq: 21 Jul 2015 21:00

Instrument :

BNA_E

ClientSampleId :

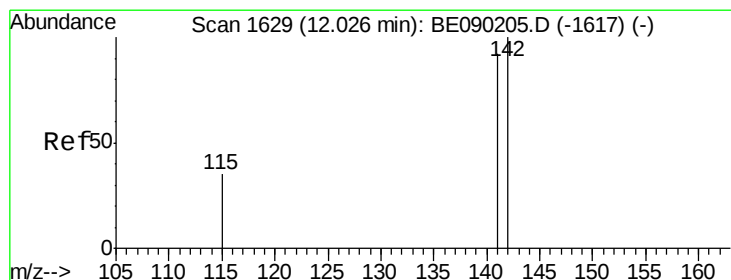
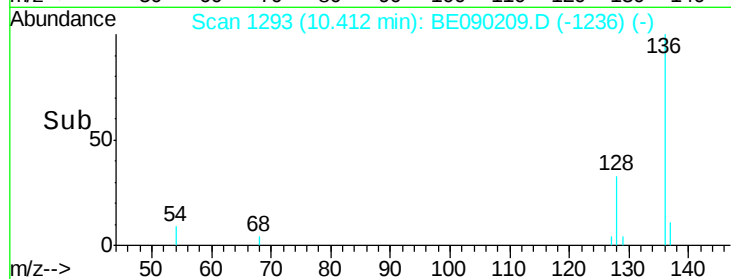
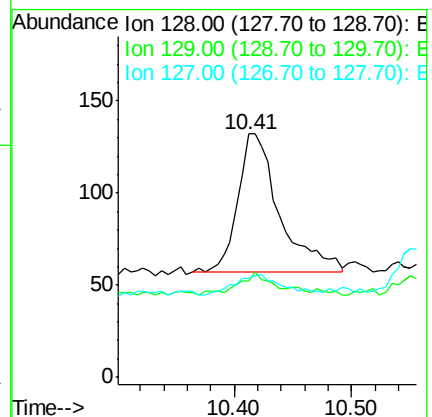
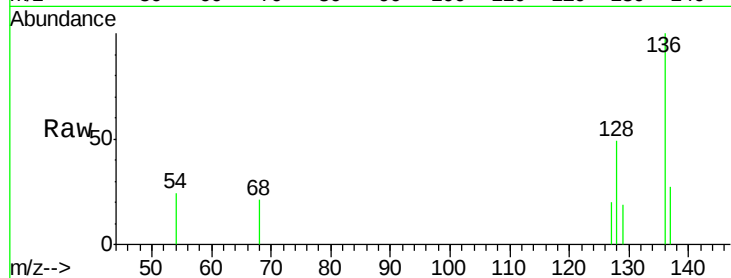
Tot Ion:128 Resp: 186

Ion Ratio Lower Upper

128 100

129 39.4 10.2 15.2#

127 40.9 11.8 17.6#



#5

2-Methylnaphthalene

Concen: 0.03 ng/ul

RT: 12.04 min Scan# 1631

Delta R.T. 0.01 min

Lab File: BE090209.D

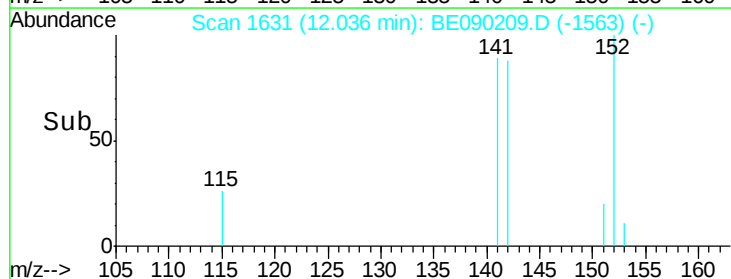
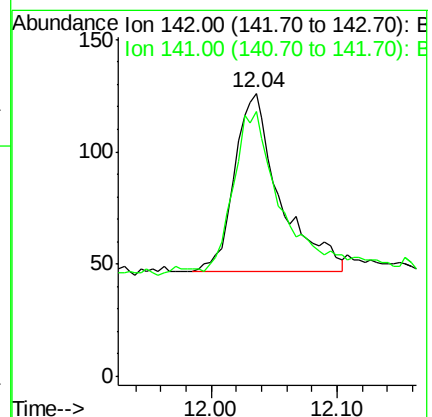
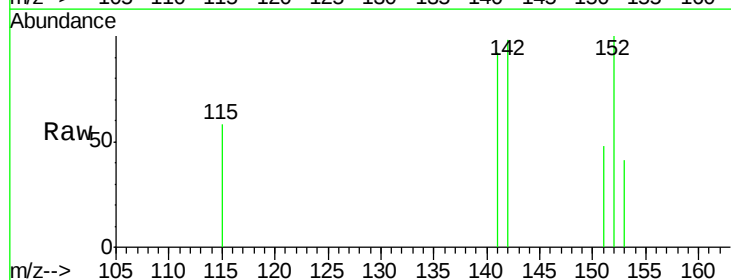
Acq: 21 Jul 2015 21:00

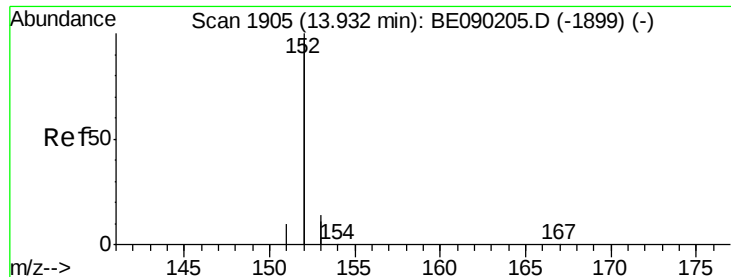
Tgt Ion:142 Resp: 196

Ion Ratio Lower Upper

142 100

141 99.5 73.0 109.6





#7

Acenaphthylene

Concen: 0.03 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BE090209.D

Acq: 21 Jul 2015 21:00

Instrument :

BNA_E

ClientSampled :

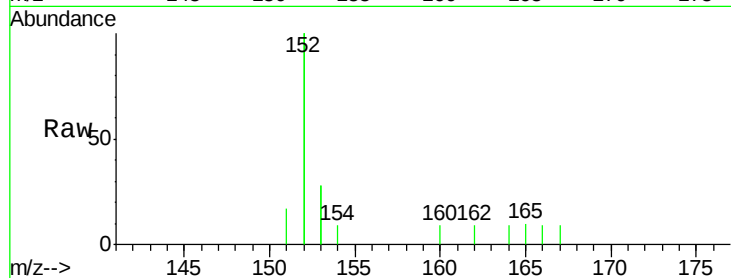
Tot Ion:152 Resp: 1624

Ion Ratio Lower Upper

152 100

151 8.4 4.2 6.4#

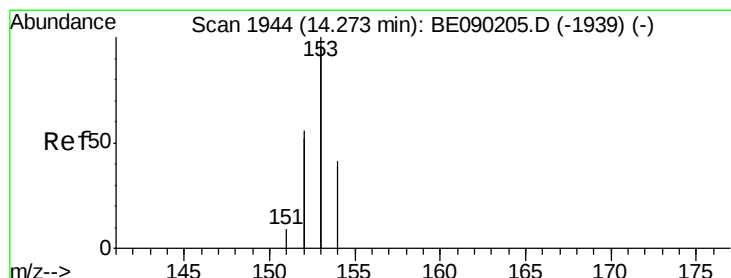
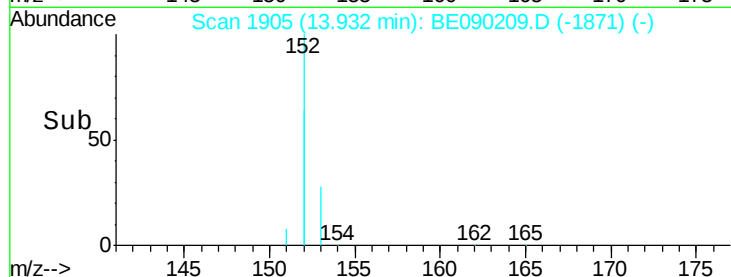
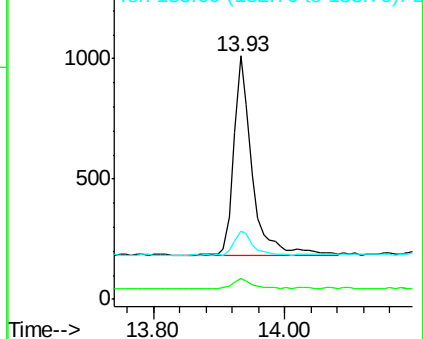
153 27.9 11.5 17.3#



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: 0.03 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BE090209.D

Acq: 21 Jul 2015 21:00

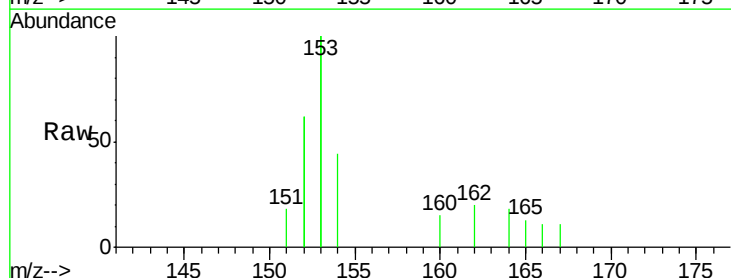
Tgt Ion:153 Resp: 1188

Ion Ratio Lower Upper

153 100

152 62.4 45.0 67.4

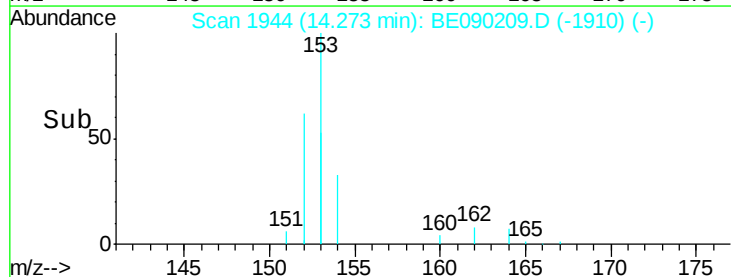
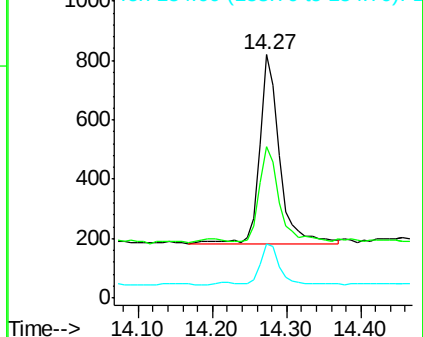
154 22.0 16.8 25.2

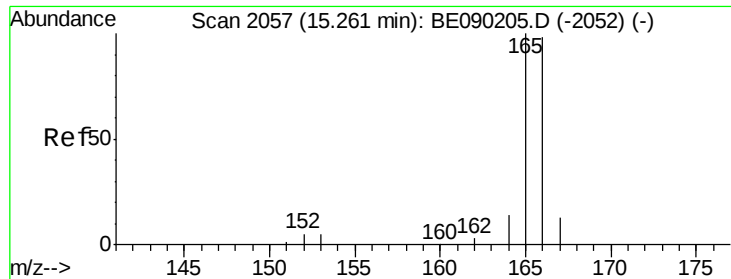


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.04 ng/ul

RT: 15.27 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BE090209.D

Acq: 21 Jul 2015 21:00

Instrument :

BNA_E

ClientSampleId :

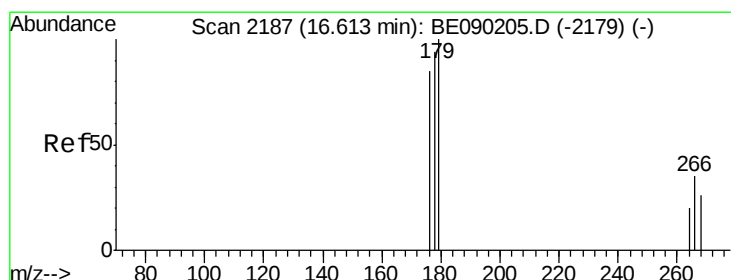
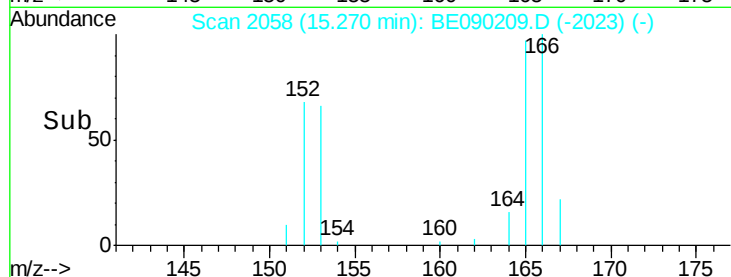
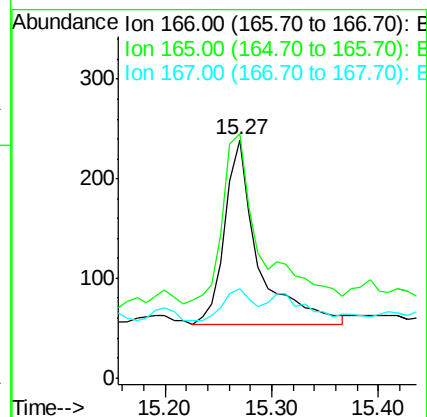
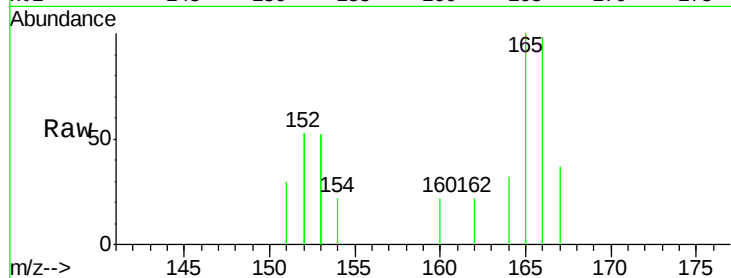
Tot Ion:166 Resp: 401

Ion Ratio Lower Upper

166 100

165 102.5 81.9 122.9

167 37.7 12.2 18.2#



#11

Pentachlorophenol

Concen: 0.05 ng/ul

RT: 16.61 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BE090209.D

Acq: 21 Jul 2015 21:00

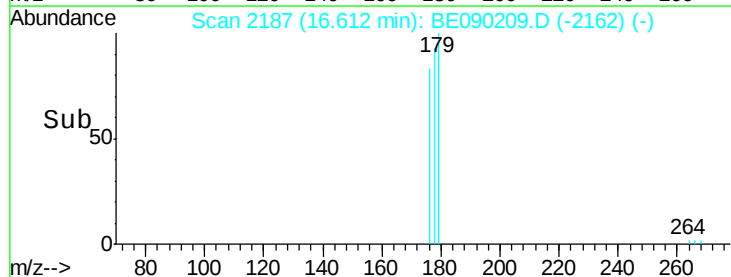
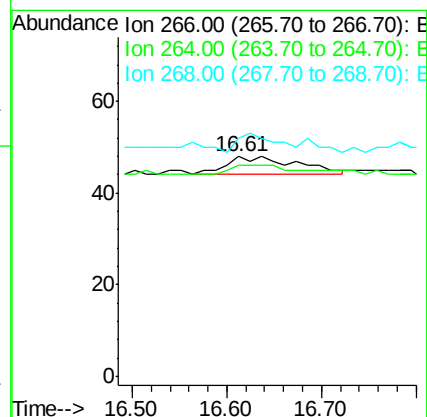
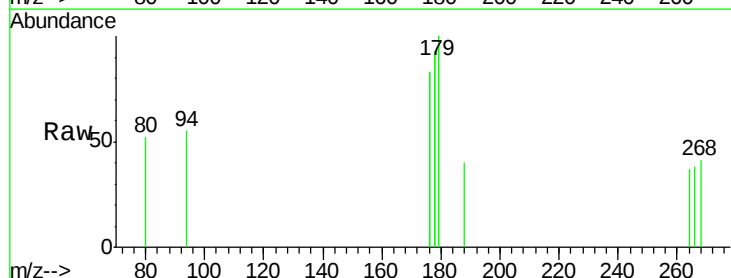
Tgt Ion:266 Resp: 21

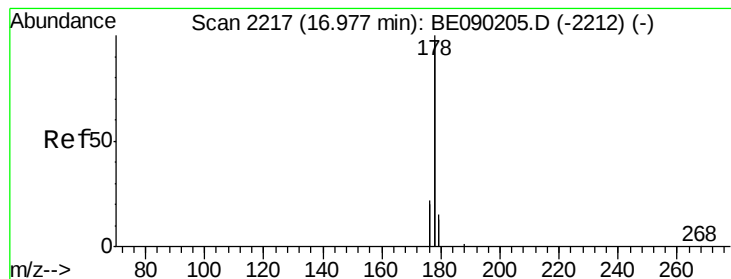
Ion Ratio Lower Upper

266 100

264 38.1 51.6 77.4#

268 52.4 41.3 61.9





#12

Phenanthrene

Concen: 0.03 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BE090209.D

Acq: 21 Jul 2015 21:00

Instrument :

BNA_E

ClientSampleId :

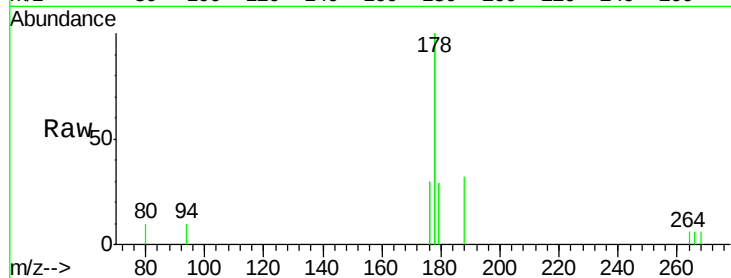
Tot Ion:178 Resp: 2329

Ion Ratio Lower Upper

178 100

176 29.6 17.6 26.4#

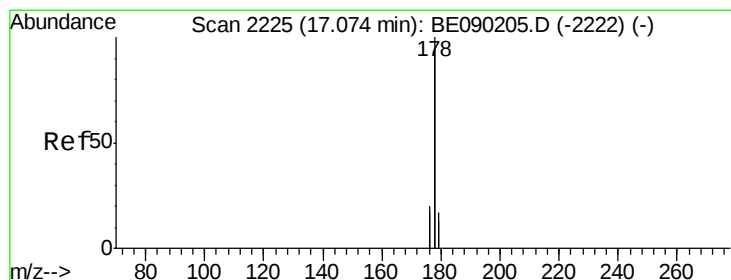
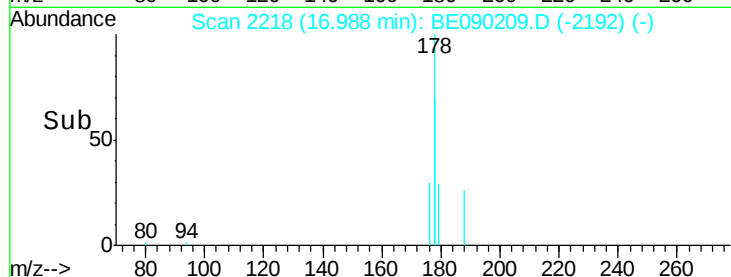
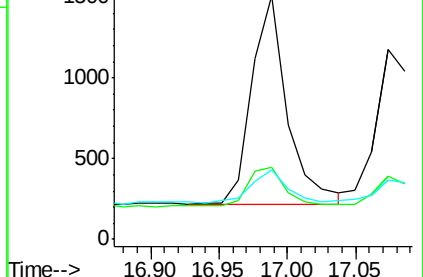
179 28.8 12.2 18.4#



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: 0.03 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE090209.D

Acq: 21 Jul 2015 21:00

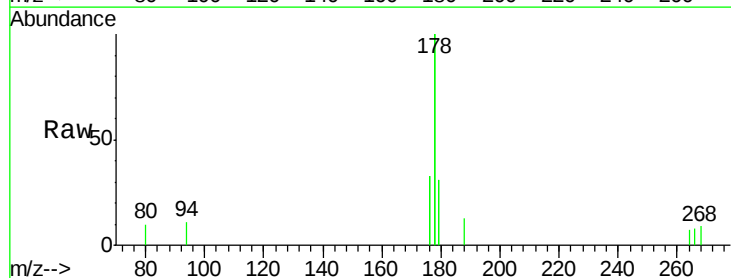
Tgt Ion:178 Resp: 2401

Ion Ratio Lower Upper

178 100

176 33.3 15.9 23.9#

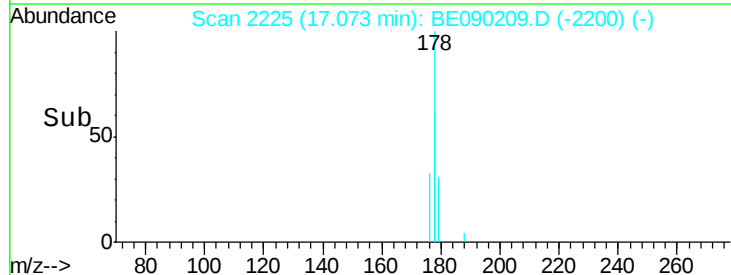
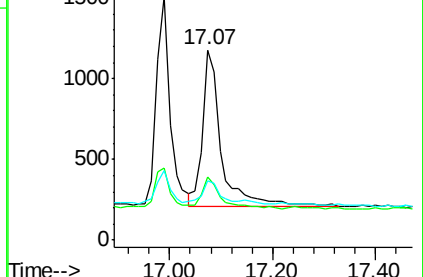
179 31.3 13.3 19.9#

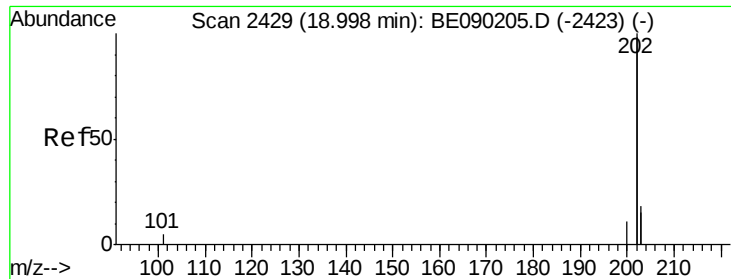


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

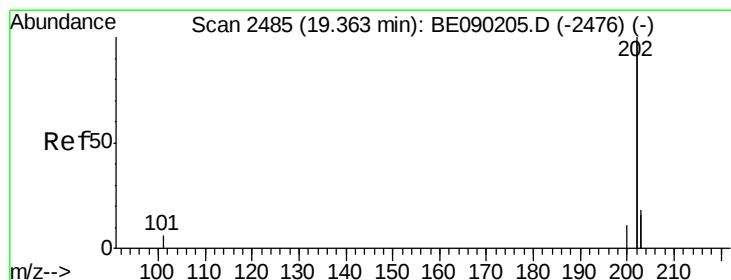
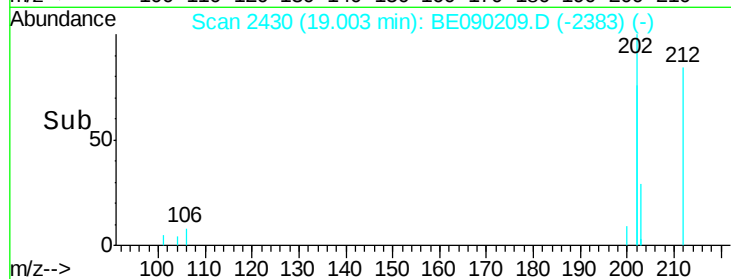
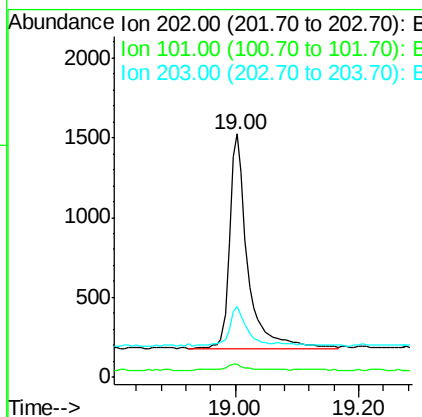
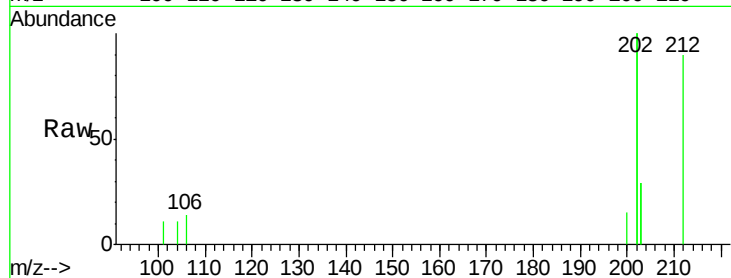




#15
 Fluoranthene
 Concen: 0.03 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. 0.01 min
 Lab File: BE090209.D
 Acq: 21 Jul 2015 21:00

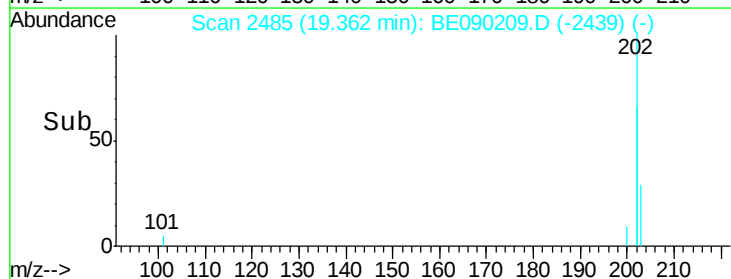
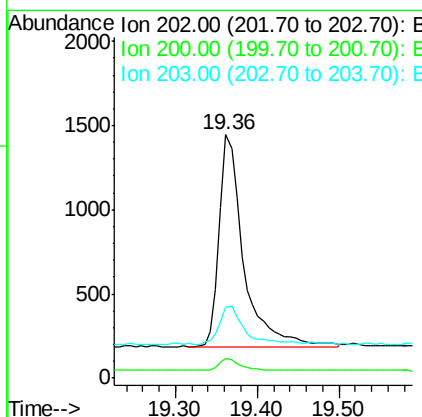
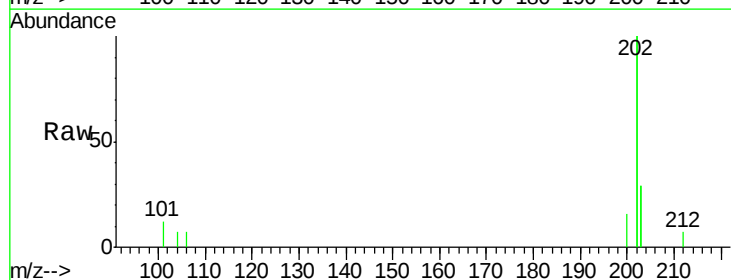
Instrument :
 BNA_E
 ClientSampleId :

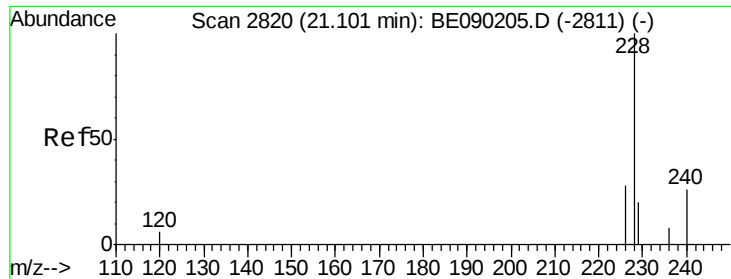
Tot Ion	Ratio	Lower	Upper
202	100		
101	5.3	0.0	23.0
203	29.0	0.0	37.8



#17
 Pyrene
 Concen: 0.04 ng/ul
 RT: 19.36 min Scan# 2485
 Delta R.T. -0.00 min
 Lab File: BE090209.D
 Acq: 21 Jul 2015 21:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	7.9	4.4	6.6#
203	29.3	14.6	22.0#

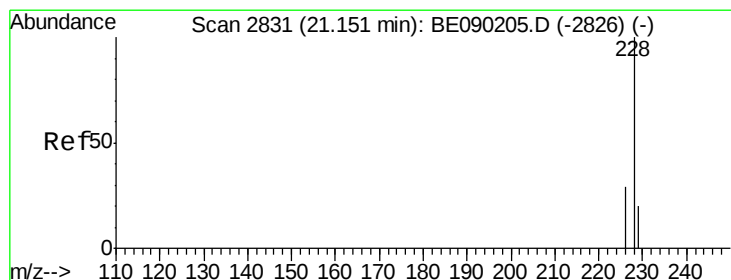
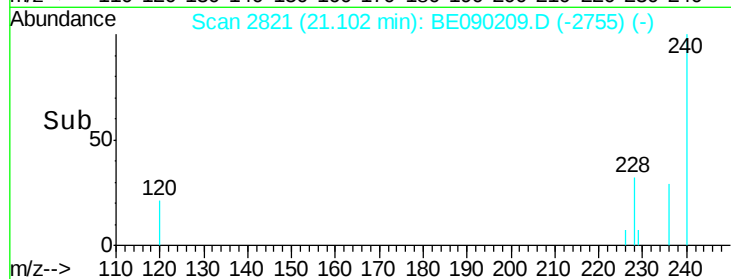
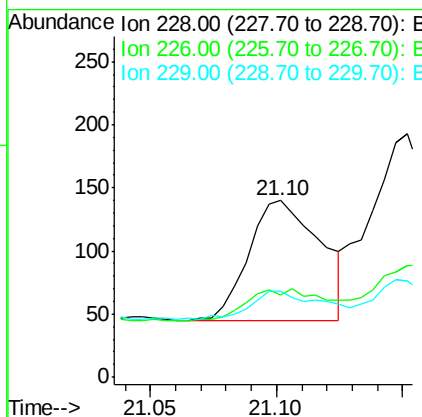
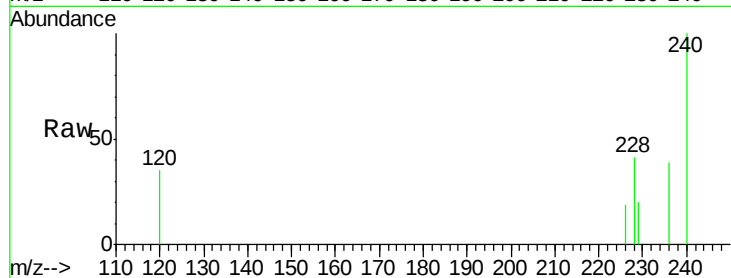




#18
Benzo(a)anthracene
Concen: 0.03 ng/ul
RT: 21.10 min Scan# 2821
Delta R.T. 0.00 min
Lab File: BE090209.D
Acq: 21 Jul 2015 21:00

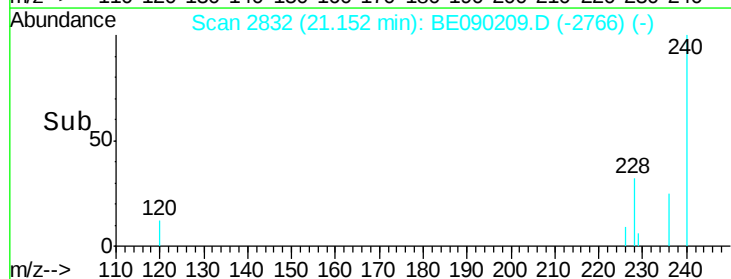
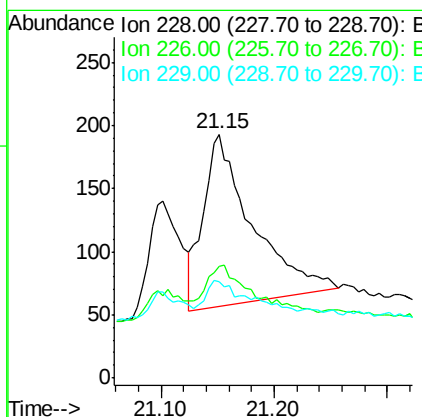
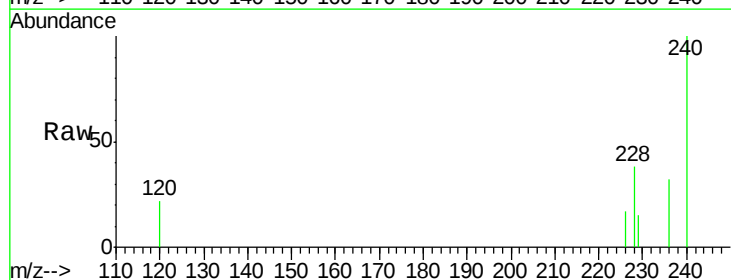
Instrument :
BNA_E
ClientSampleId :

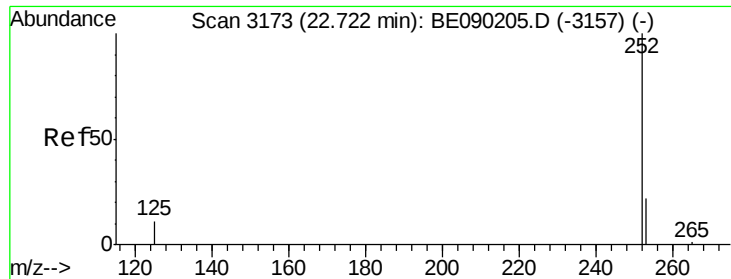
Tot Ion:228 Resp: 188
Ion Ratio Lower Upper
228 100
226 46.4 24.1 36.1#
229 48.6 17.9 26.9#



#19
Chrysene
Concen: 0.02 ng/ul
RT: 21.15 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BE090209.D
Acq: 21 Jul 2015 21:00

Tgt Ion:228 Resp: 409
Ion Ratio Lower Upper
228 100
226 45.6 24.6 36.8#
229 39.4 17.4 26.2#

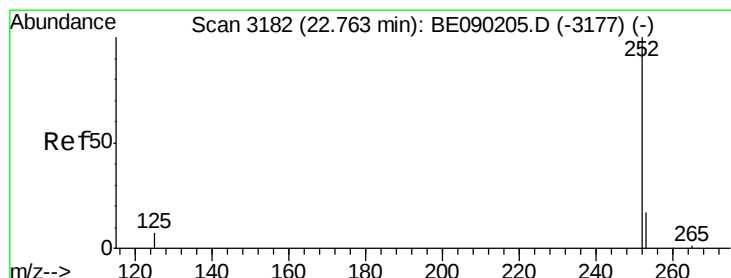
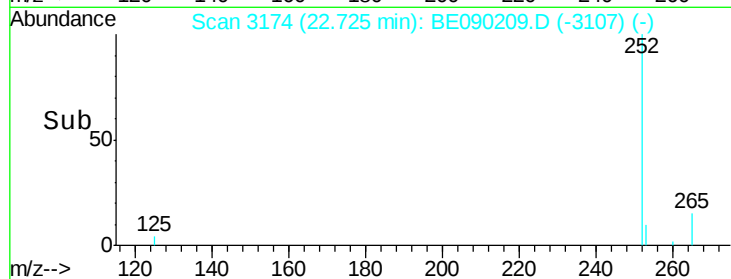
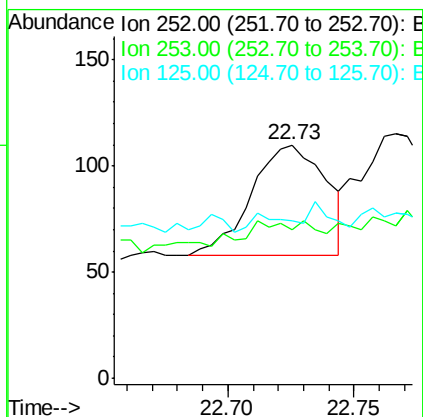
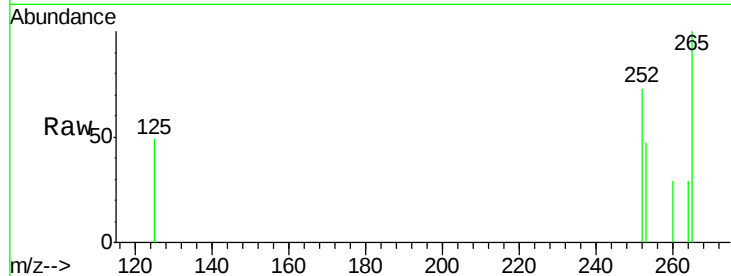




#21
Benzo(b)fluoranthene
Concen: 0.03 ng/ul
RT: 22.73 min Scan# 3174
Delta R.T. 0.00 min
Lab File: BE090209.D
Acq: 21 Jul 2015 21:00

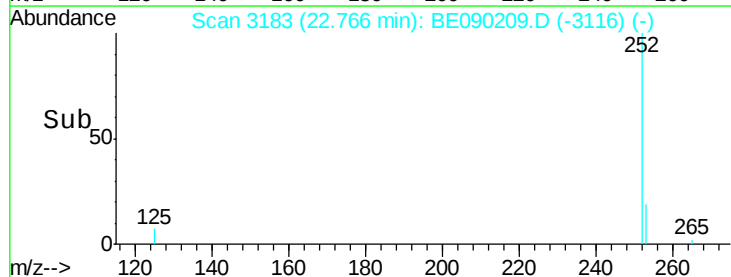
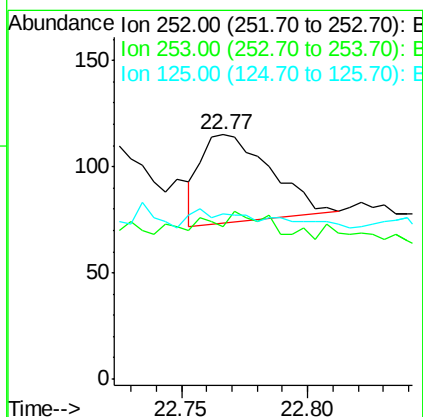
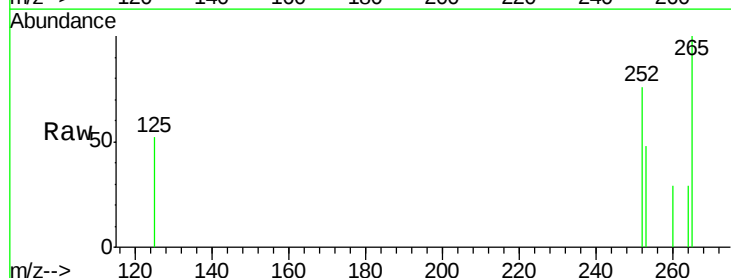
Instrument :
BNA_E
ClientSampleId :

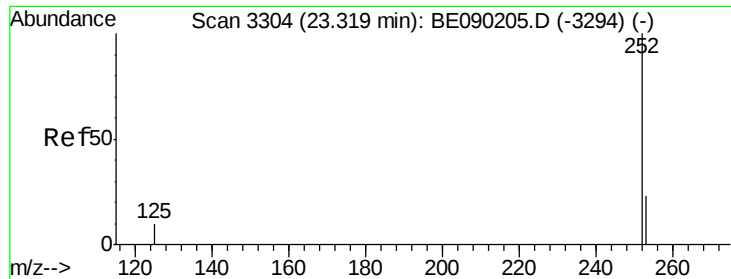
Tot Ion:252 Resp: 106
Ion Ratio Lower Upper
252 100
253 63.6 0.0 56.8#
125 67.3 0.0 37.0#



#22
Benzo(k)fluoranthene
Concen: 0.01 ng/ul
RT: 22.77 min Scan# 3183
Delta R.T. 0.00 min
Lab File: BE090209.D
Acq: 21 Jul 2015 21:00

Tgt Ion:252 Resp: 79
Ion Ratio Lower Upper
252 100
253 62.6 19.5 29.3#
125 67.8 11.9 17.9#





#23

Benzo(a)pyrene

Concen: 0.02 ng/ul

RT: 23.32 min Scan# 3304

Delta R.T. -0.00 min

Lab File: BE090209.D

Acq: 21 Jul 2015 21:00

Instrument :

BNA_E

ClientSampled :

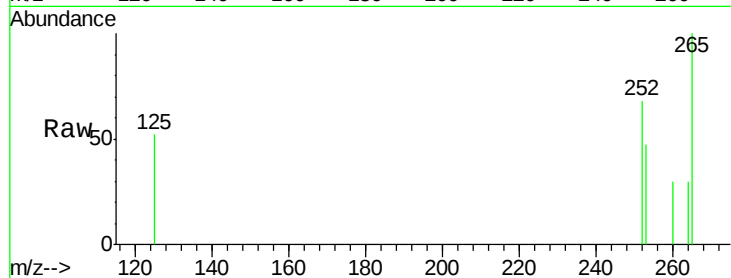
Tot Ion:252 Resp: 121

Ion Ratio Lower Upper

252 100

253 70.0 23.7 35.5#

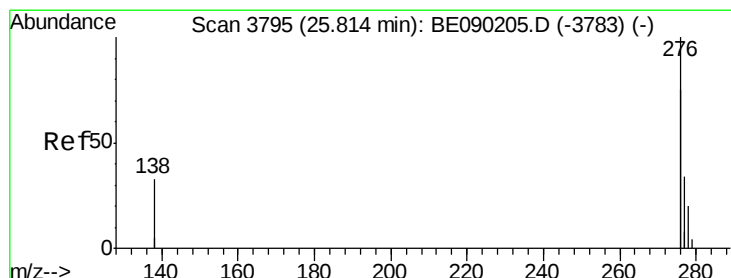
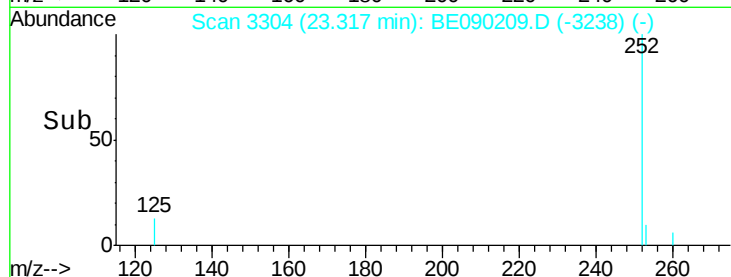
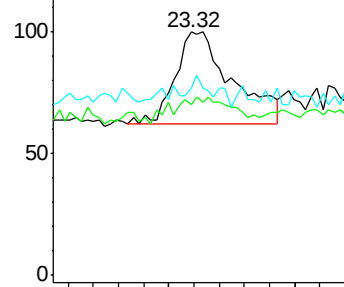
125 77.0 15.4 23.2#



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: 0.02 ng/ul

RT: 25.81 min Scan# 3795

Delta R.T. -0.00 min

Lab File: BE090209.D

Acq: 21 Jul 2015 21:00

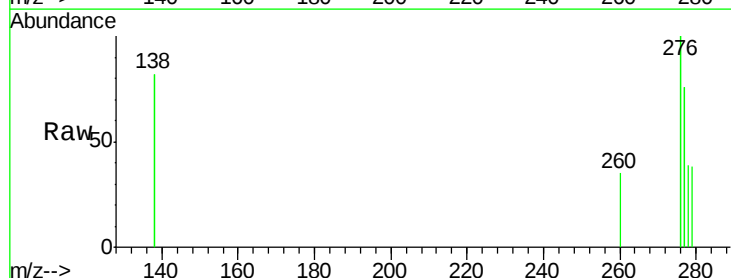
Tgt Ion:276 Resp: 342

Ion Ratio Lower Upper

276 100

138 22.8 16.9 25.3

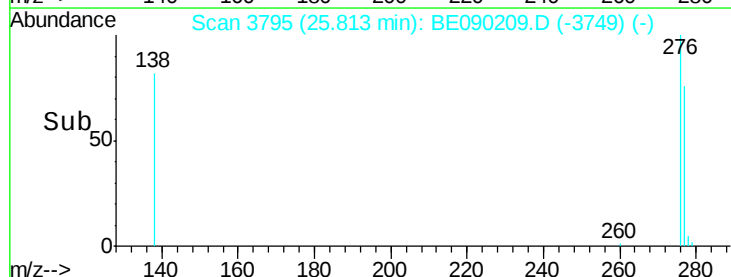
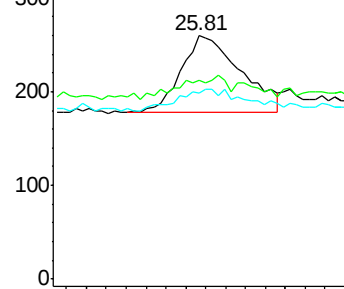
277 27.8 17.0 25.4#

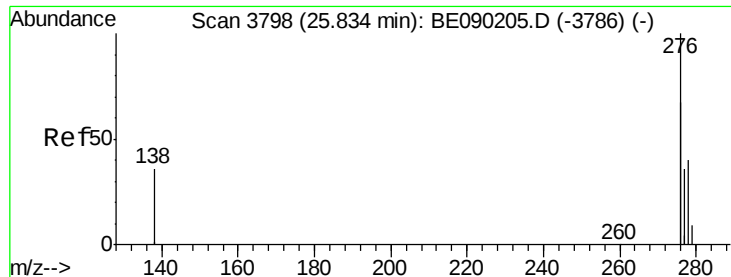


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

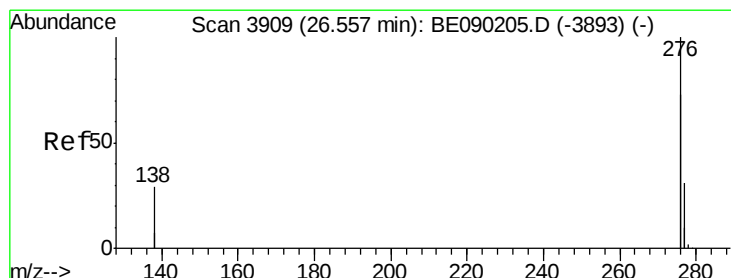
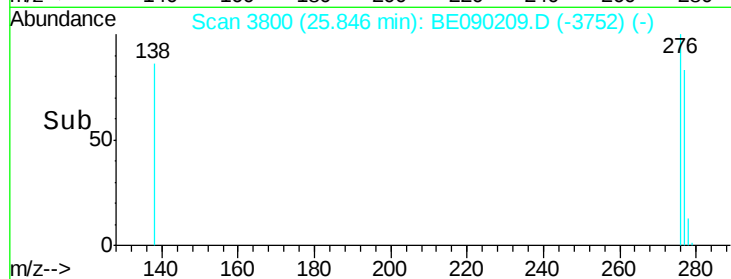
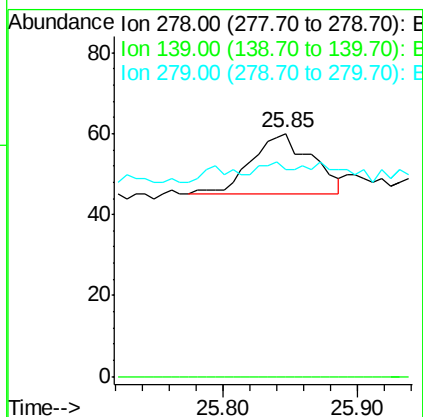
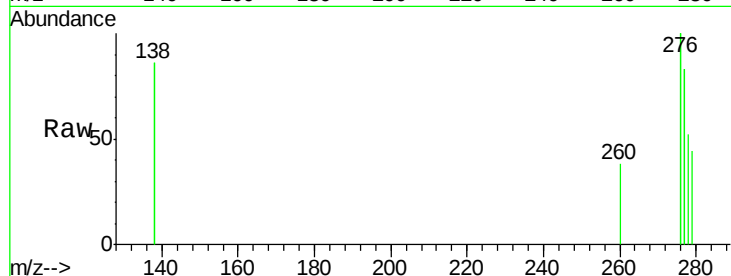




#25
Dibenzo(a,h)anthracene
Concen: 0.02 ng/ul
RT: 25.85 min Scan# 3800
Delta R.T. 0.01 min
Lab File: BE090209.D
Acq: 21 Jul 2015 21:00

Instrument :
BNA_E
ClientSampleId :

Tot Ion: 278 Resp: 47
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 85.0 30.1 45.1#



#26
Benzo(g,h,i)perylene
Concen: 0.02 ng/ul
RT: 26.54 min Scan# 3907
Delta R.T. -0.01 min
Lab File: BE090209.D
Acq: 21 Jul 2015 21:00

Tgt Ion: 276 Resp: 501
Ion Ratio Lower Upper
276 100
277 71.8 24.6 36.8#
138 76.8 23.5 35.3#

