

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072215\
 Data File : BE090212.D
 Acq On : 21 Jul 2015 22:51
 Operator : TP/IZ
 Sample : MDL-03-S
 Misc : MDL-SIM-SOIL-0.07PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 22 04:57:57 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	710	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3371	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2010	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5433	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	3042	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	1559	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.96	152	2090	0.39	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	6455	0.42	ng/ul	0.00

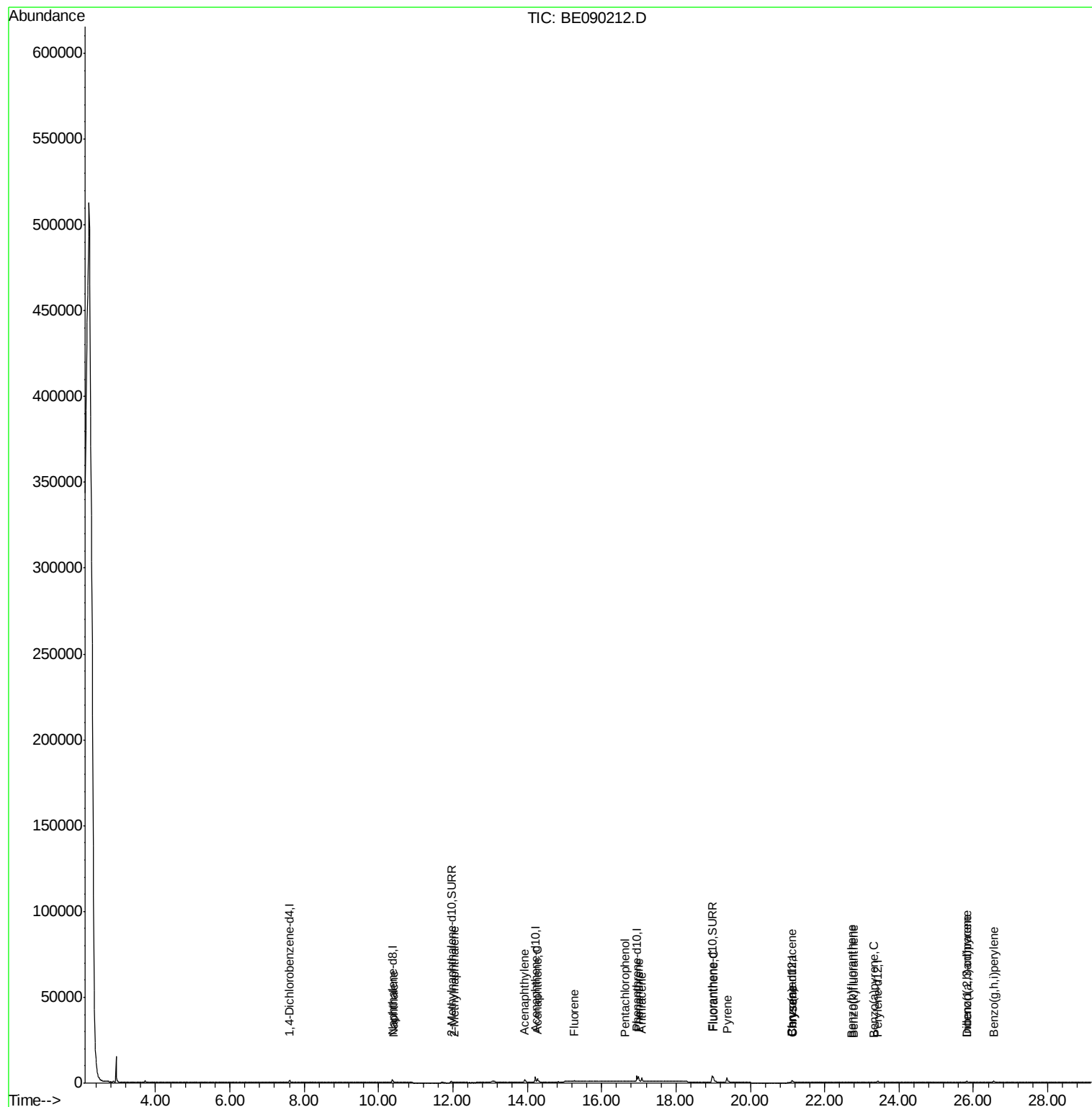
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.41	128	535	0.06	ng/ul#	66
5) 2-Methylnaphthalene	12.03	142	352	0.06	ng/ul	95
7) Acenaphthylene	13.93	152	2549	0.06	ng/ul#	82
8) Acenaphthene	14.27	153	1964	0.06	ng/ul	95
9) Fluorene	15.27	166	564	0.06	ng/ul#	88
11) Pentachlorophenol	16.64	266	1	0.00	ng/ul#	24
12) Phenanthrene	16.99	178	3830	0.06	ng/ul#	86
13) Anthracene	17.07	178	3877	0.06	ng/ul#	82
15) Fluoranthene	19.00	202	4530	0.06	ng/ul	87
17) Pyrene	19.37	202	4427	0.09	ng/ul#	86
18) Benzo(a)anthracene	21.10	228	230	0.05	ng/ul#	62
19) Chrysene	21.15	228	659	0.05	ng/ul#	77
21) Benzo(b)fluoranthene	22.72	252	148	0.07	ng/ul#	25
22) Benzo(k)fluoranthene	22.77	252	189	0.03	ng/ul#	22
23) Benzo(a)pyrene	23.32	252	164	0.05	ng/ul#	25
24) Indeno(1,2,3-cd)pyrene	25.81	276	528	0.06	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.83	278	83	0.06	ng/ul#	34
26) Benzo(g,h,i)perylene	26.54	276	741	0.06	ng/ul#	29

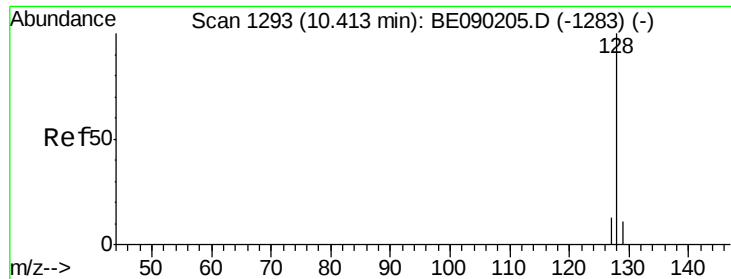
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.06 ng/ul

RT: 10.41 min Scan# 1293

Delta R.T. -0.00 min

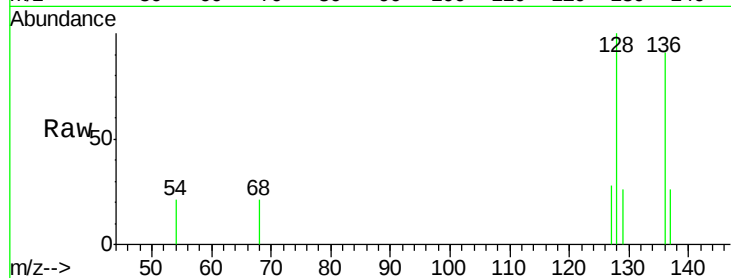
Lab File: BE090212.D

Acq: 21 Jul 2015 22:51

Instrument :

BNA_E

ClientSampleId :



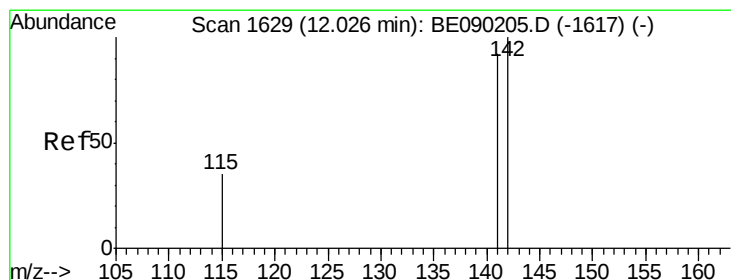
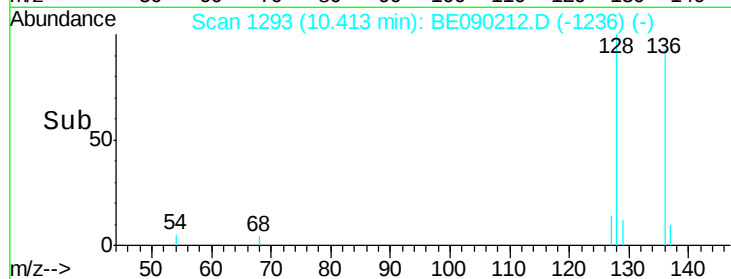
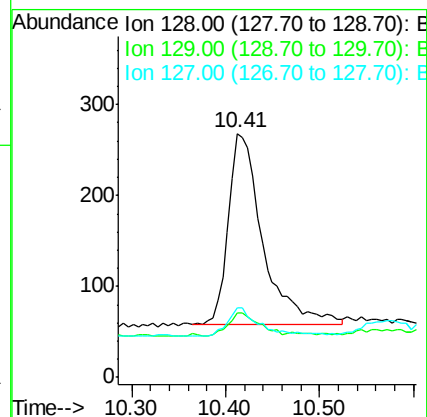
Tot Ion:128 Resp: 535

Ion Ratio Lower Upper

128 100

129 26.5 10.2 15.2#

127 28.4 11.8 17.6#



#5

2-Methylnaphthalene

Concen: 0.06 ng/ul

RT: 12.03 min Scan# 1631

Delta R.T. 0.01 min

Lab File: BE090212.D

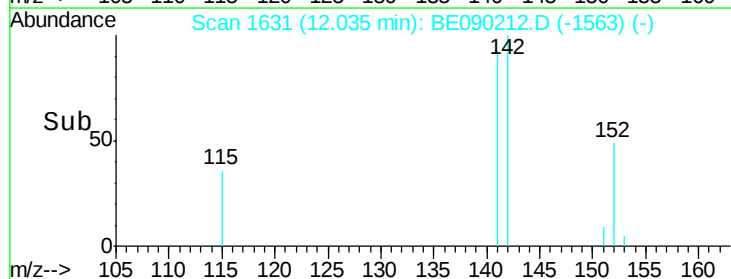
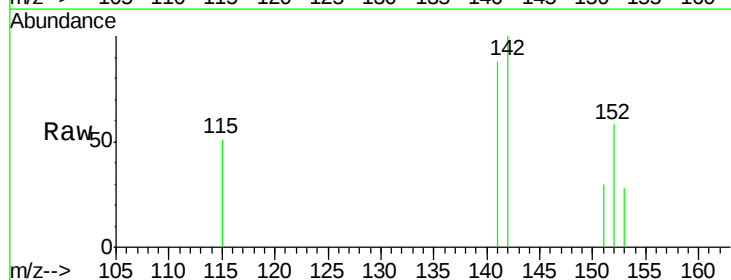
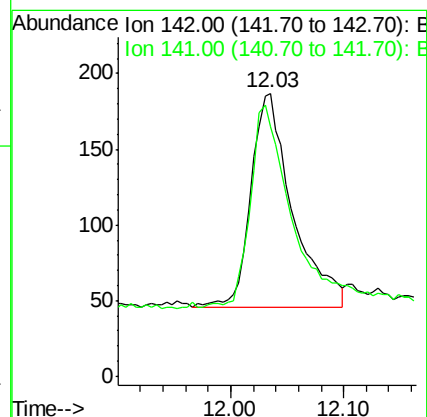
Acq: 21 Jul 2015 22:51

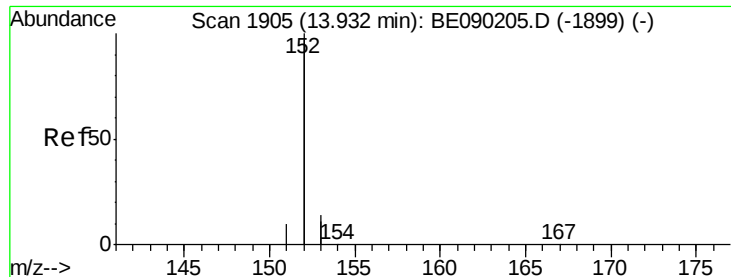
Tgt Ion:142 Resp: 352

Ion Ratio Lower Upper

142 100

141 96.3 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: BE090212.D

Acq: 21 Jul 2015 22:51

Instrument :

BNA_E

ClientSampleId :

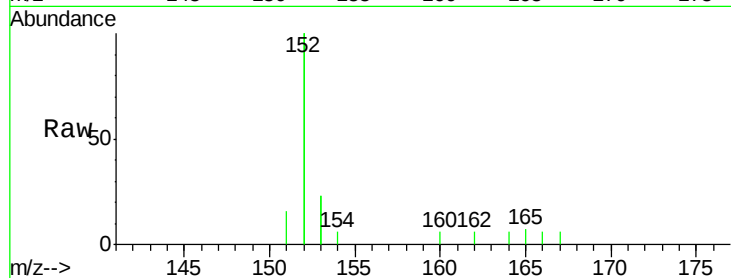
Tot Ion:152 Resp: 2549

Ion Ratio Lower Upper

152 100

151 7.9 4.2 6.4#

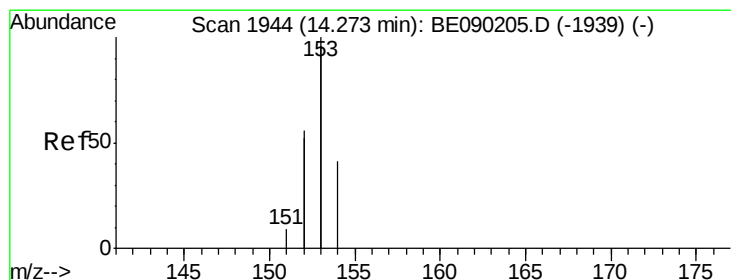
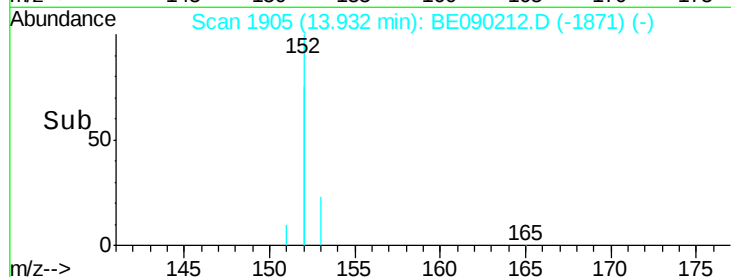
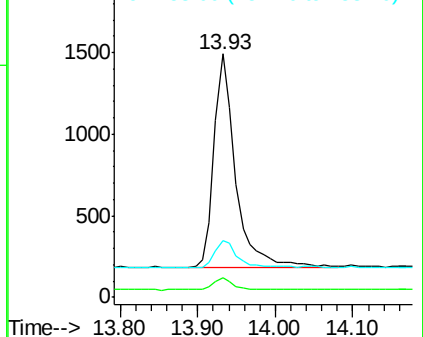
153 23.5 11.5 17.3#



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: 0.06 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BE090212.D

Acq: 21 Jul 2015 22:51

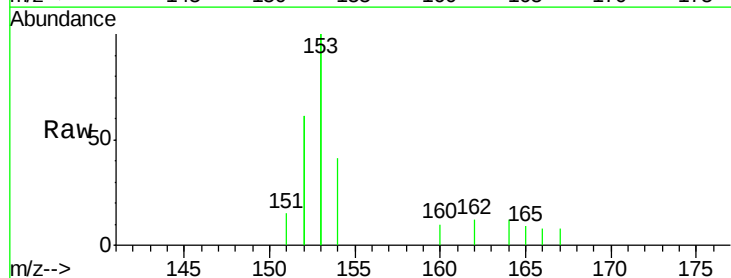
Tgt Ion:153 Resp: 1964

Ion Ratio Lower Upper

153 100

152 61.1 45.0 67.4

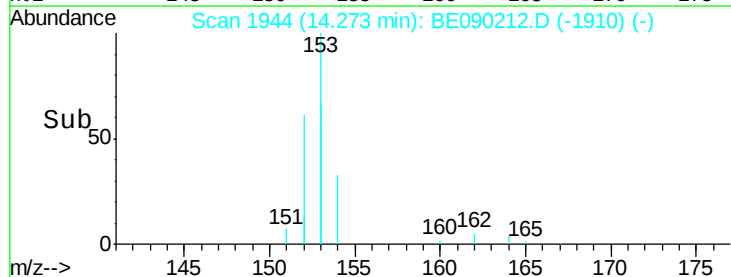
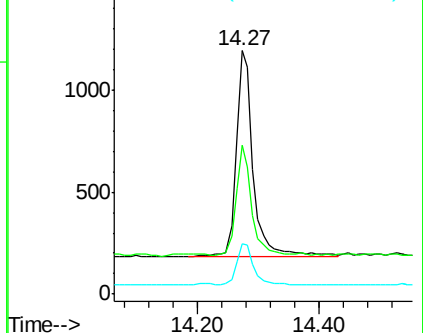
154 20.5 16.8 25.2

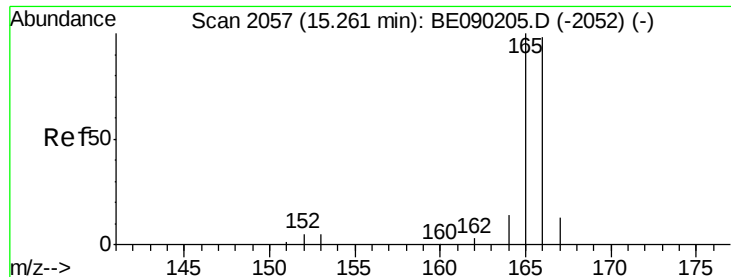


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

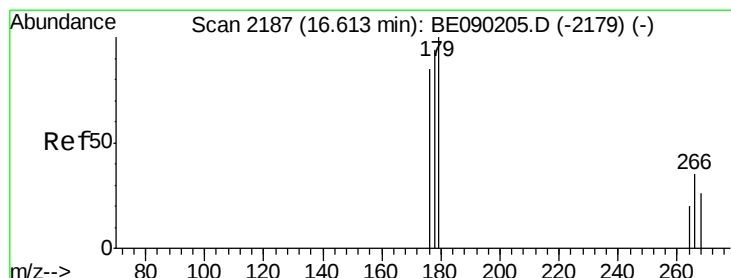
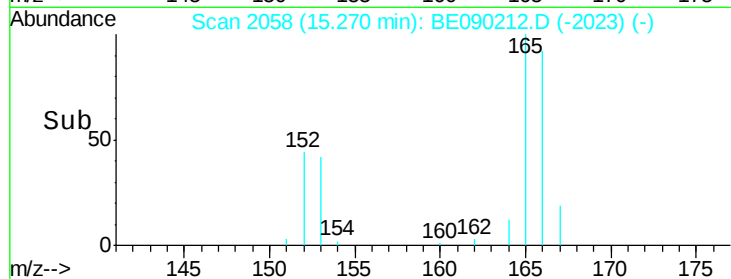
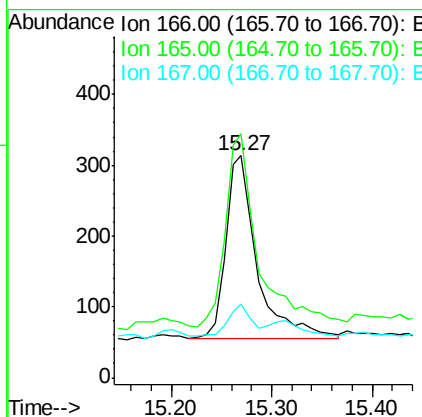
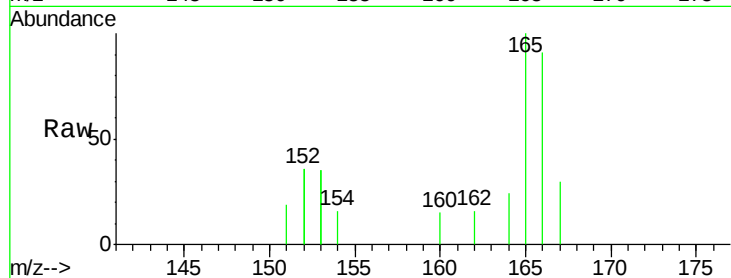




#9
Fluorene
 Concen: 0.06 ng/ul
 RT: 15.27 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: BE090212.D
 Acq: 21 Jul 2015 22:51

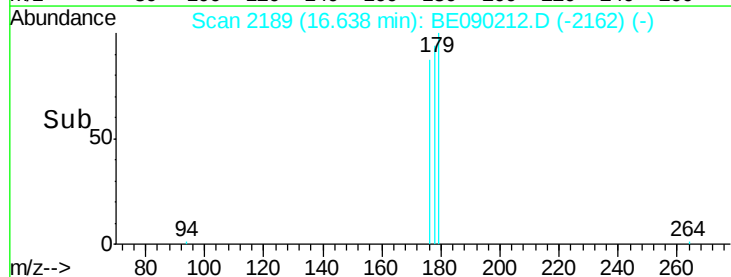
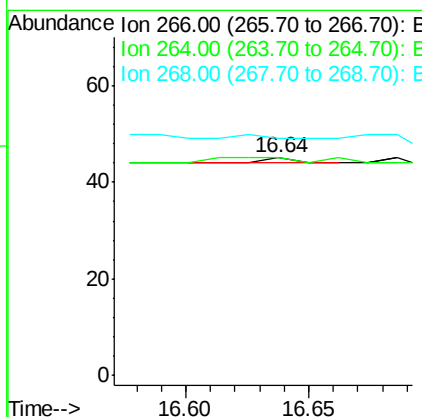
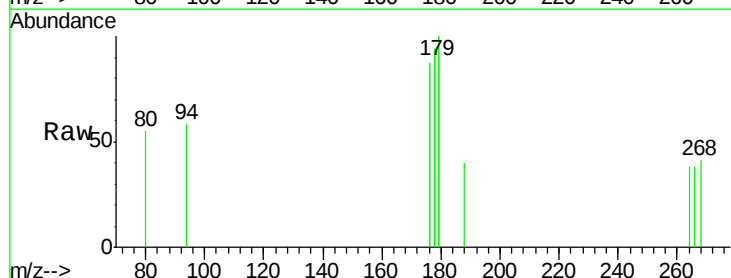
Instrument :
 BNA_E
 ClientSampleId :

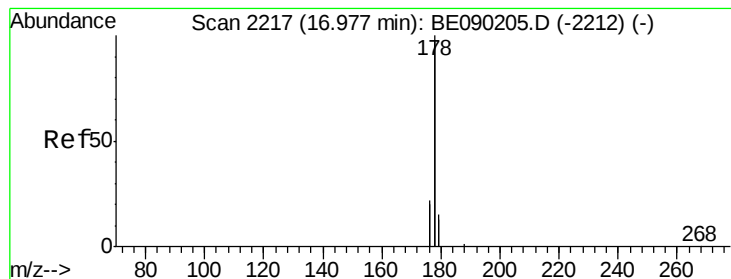
Tot Ion	Ratio	Lower	Upper
166	100		
165	109.9	81.9	122.9
167	33.2	12.2	18.2



#11
Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.64 min Scan# 2189
 Delta R.T. 0.02 min
 Lab File: BE090212.D
 Acq: 21 Jul 2015 22:51

Tgt Ion	Ratio	Lower	Upper
266	100		
264	0.0	51.6	77.4
268	100.0	41.3	61.9





#12

Phenanthrene

Concen: 0.06 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BE090212.D

Acq: 21 Jul 2015 22:51

Instrument :

BNA_E

ClientSampleId :

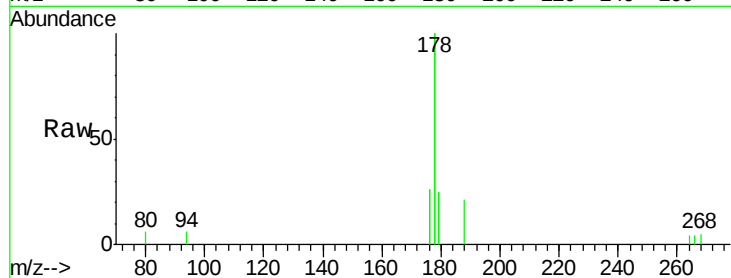
Tot Ion:178 Resp: 3830

Ion Ratio Lower Upper

178 100

176 25.8 17.6 26.4

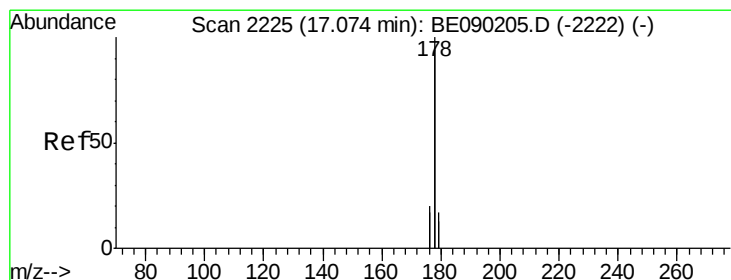
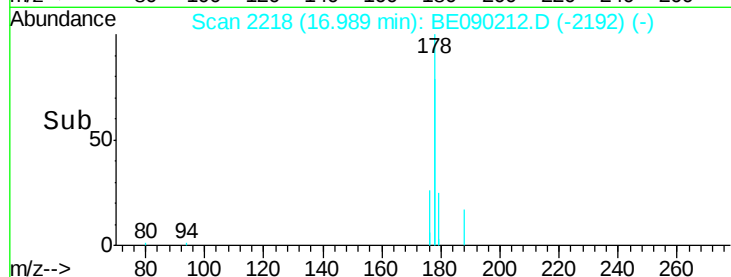
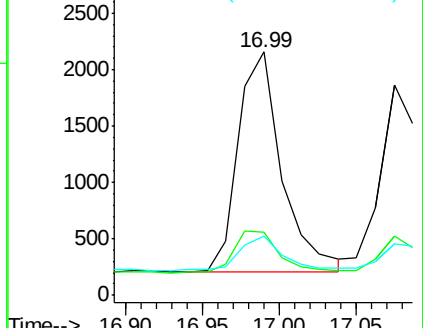
179 24.6 12.2 18.4#



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: BE090212.D

Acq: 21 Jul 2015 22:51

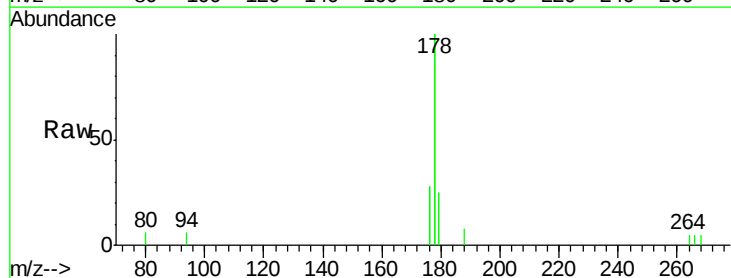
Tgt Ion:178 Resp: 3877

Ion Ratio Lower Upper

178 100

176 28.0 15.9 23.9#

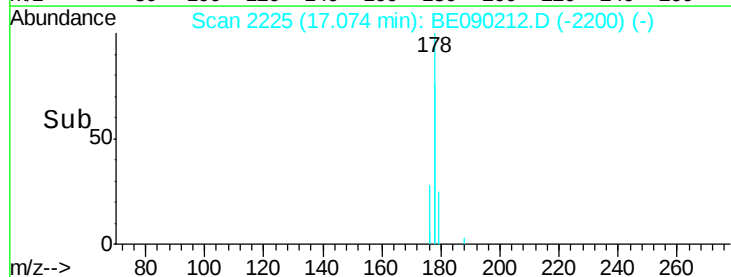
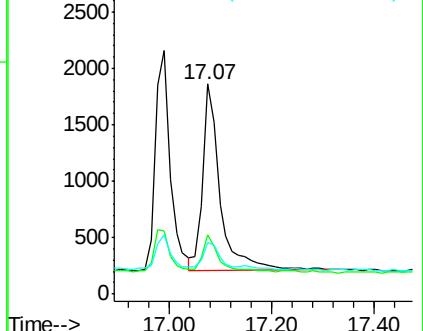
179 24.8 13.3 19.9#

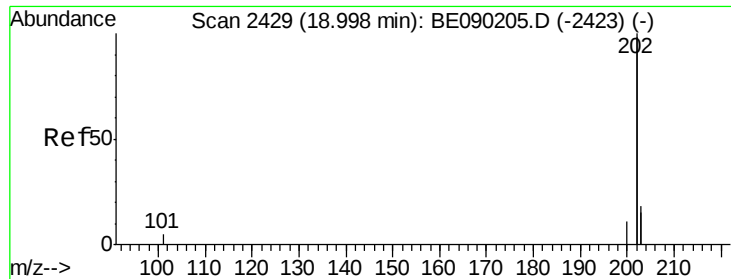


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

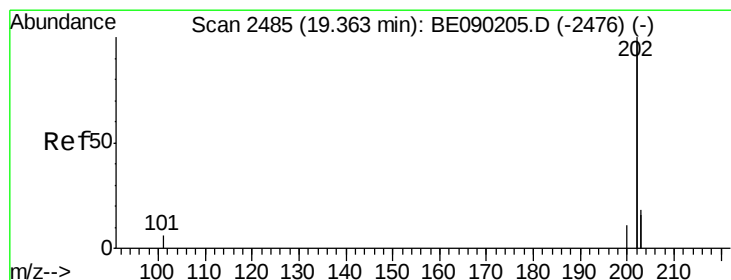
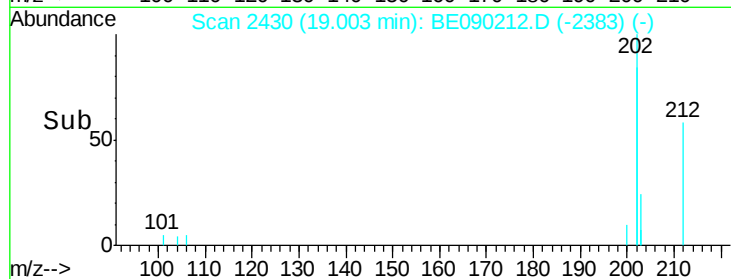
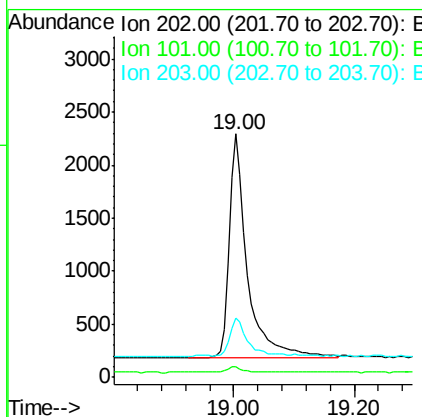
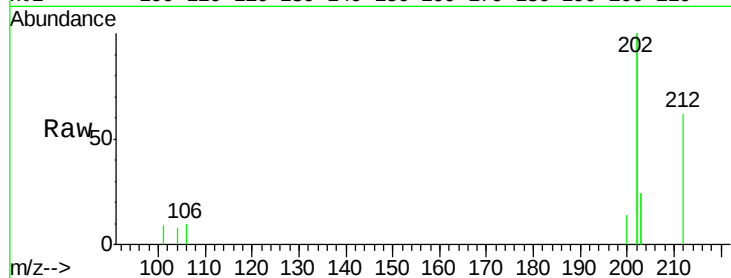




#15
Fluoranthene
Concen: 0.06 ng/ul
RT: 19.00 min Scan# 2430
Delta R.T. 0.01 min
Lab File: BE090212.D
Acq: 21 Jul 2015 22:51

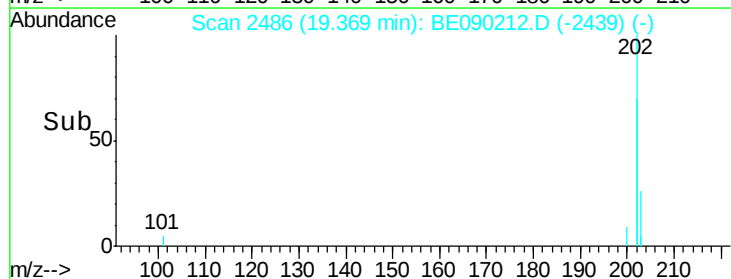
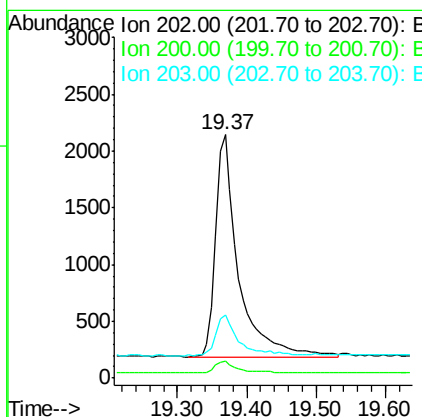
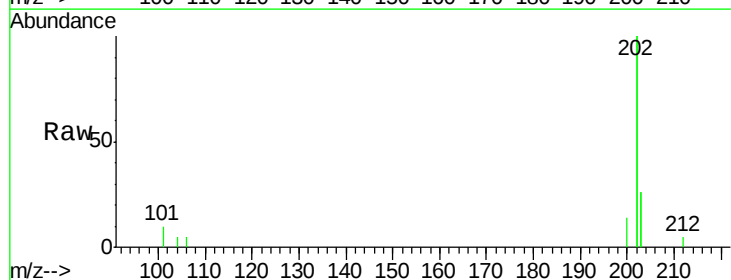
Instrument :
BNA_E
ClientSampleId :

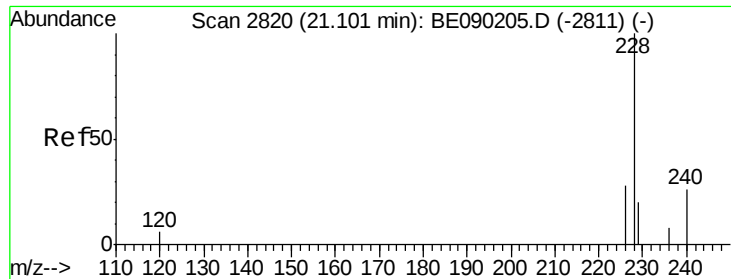
Tot Ion:202 Resp: 4530
Ion Ratio Lower Upper
202 100
101 4.3 0.0 23.0
203 24.1 0.0 37.8



#17
Pyrene
Concen: 0.09 ng/ul
RT: 19.37 min Scan# 2486
Delta R.T. 0.01 min
Lab File: BE090212.D
Acq: 21 Jul 2015 22:51

Tgt Ion:202 Resp: 4427
Ion Ratio Lower Upper
202 100
200 6.8 4.4 6.6#
203 25.7 14.6 22.0#

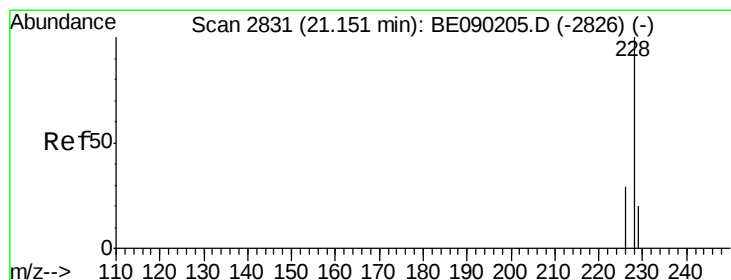
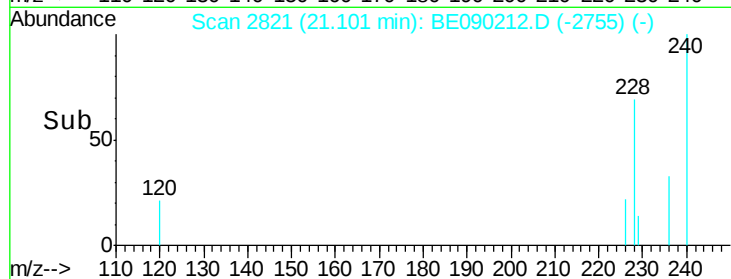
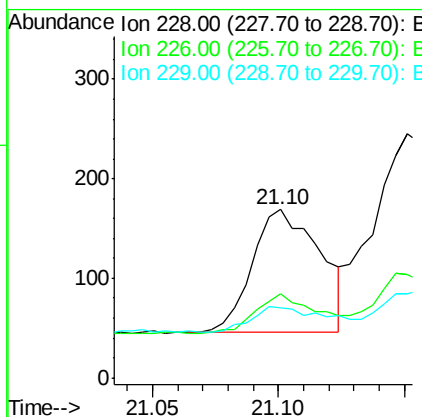
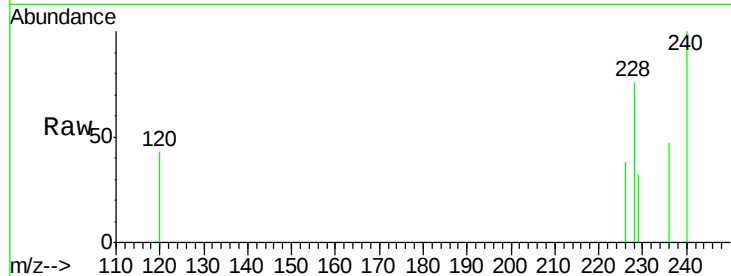




#18
Benzo(a)anthracene
Concen: 0.05 ng/ul
RT: 21.10 min Scan# 2821
Delta R.T. 0.00 min
Lab File: BE090212.D
Acq: 21 Jul 2015 22:51

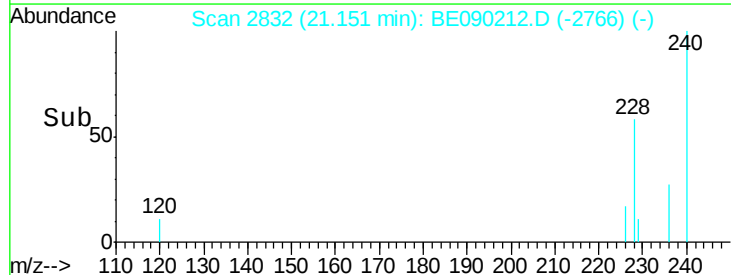
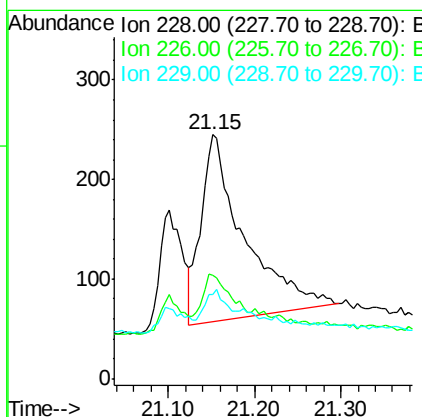
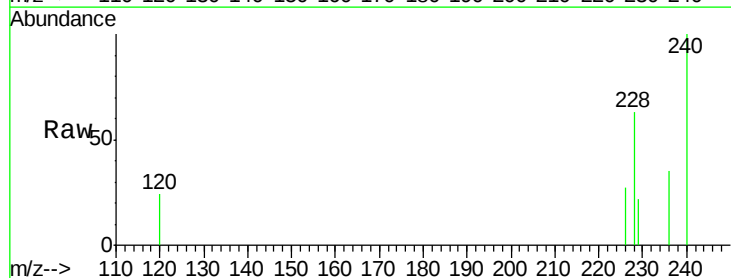
Instrument :
BNA_E
ClientSampleId :

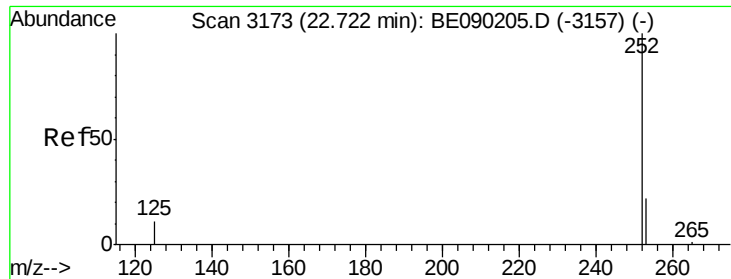
Tot Ion:228 Resp: 230
Ion Ratio Lower Upper
228 100
226 50.3 24.1 36.1#
229 41.4 17.9 26.9#



#19
Chrysene
Concen: 0.05 ng/ul
RT: 21.15 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BE090212.D
Acq: 21 Jul 2015 22:51

Tgt Ion:228 Resp: 659
Ion Ratio Lower Upper
228 100
226 42.4 24.6 36.8#
229 34.3 17.4 26.2#

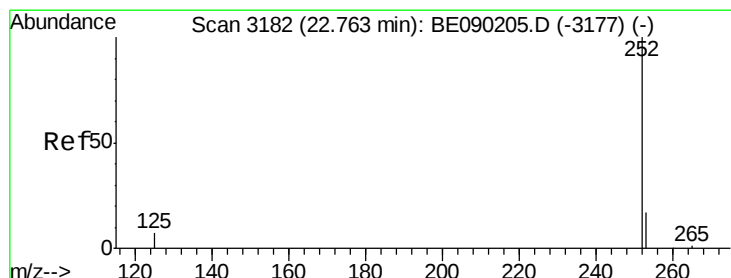
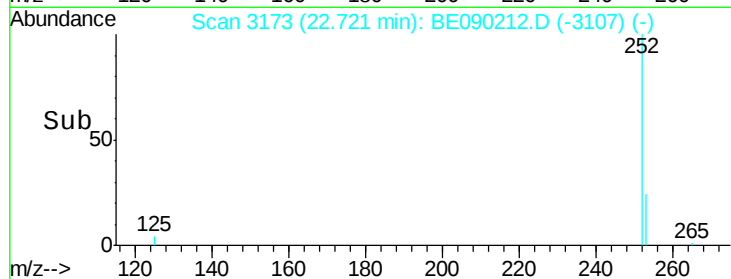
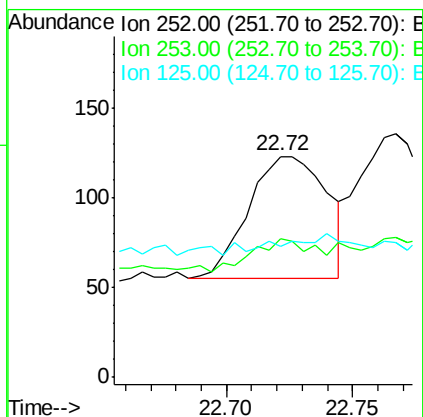
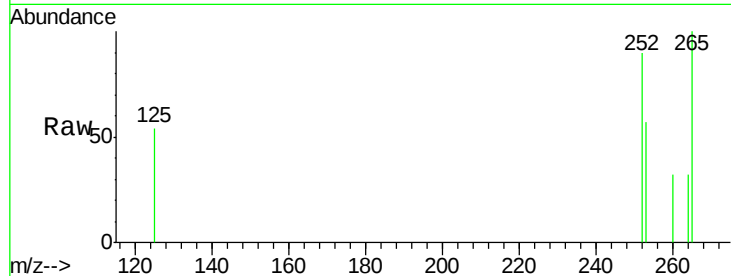




#21
Benzo(b)fluoranthene
Concen: 0.07 ng/ul
RT: 22.72 min Scan# 3173
Delta R.T. -0.00 min
Lab File: BE090212.D
Acq: 21 Jul 2015 22:51

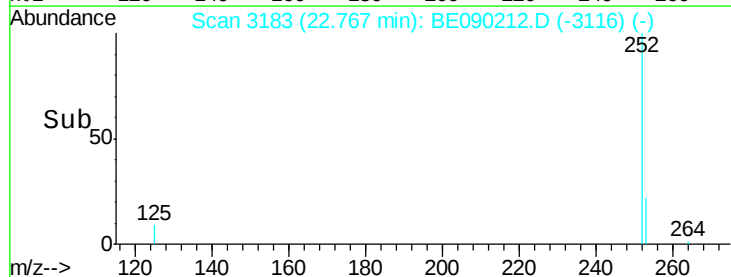
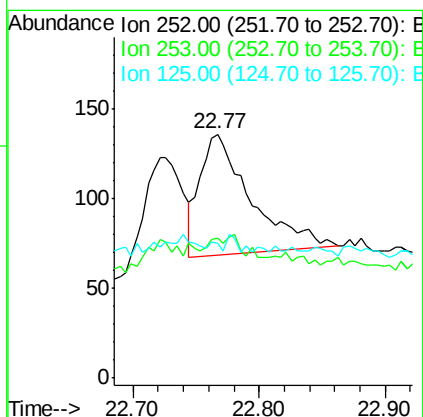
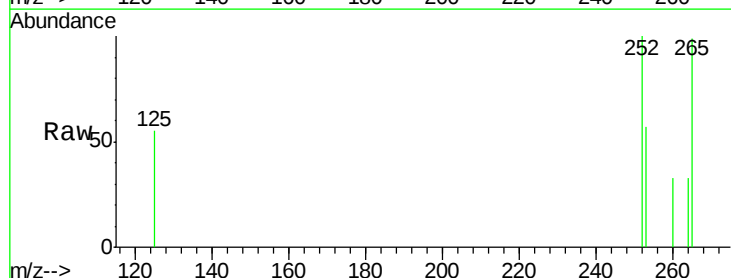
Instrument :
BNA_E
ClientSampleId :

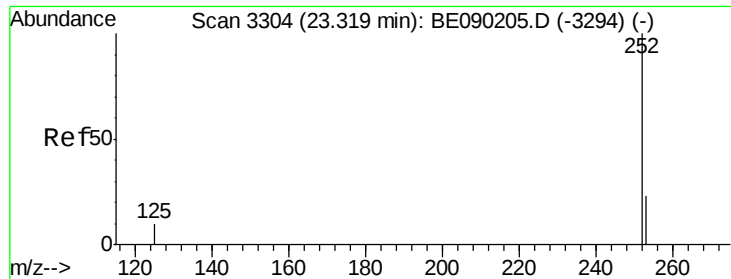
Tot Ion:252 Resp: 148
Ion Ratio Lower Upper
252 100
253 62.6 0.0 56.8#
125 59.3 0.0 37.0#



#22
Benzo(k)fluoranthene
Concen: 0.03 ng/ul
RT: 22.77 min Scan# 3183
Delta R.T. 0.00 min
Lab File: BE090212.D
Acq: 21 Jul 2015 22:51

Tgt Ion:252 Resp: 189
Ion Ratio Lower Upper
252 100
253 57.4 19.5 29.3#
125 55.1 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: BE090212.D

Acq: 21 Jul 2015 22:51

Instrument :

BNA_E

ClientSampled :

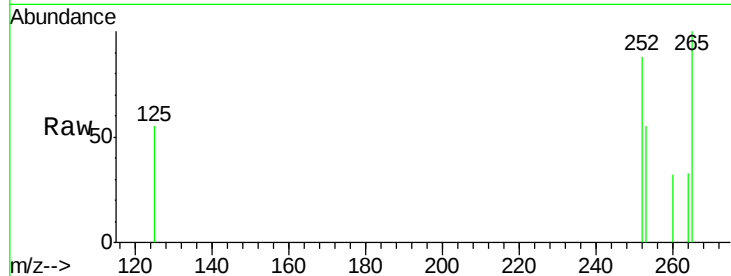
Tot Ion:252 Resp: 164

Ion Ratio Lower Upper

252 100

253 62.5 23.7 35.5#

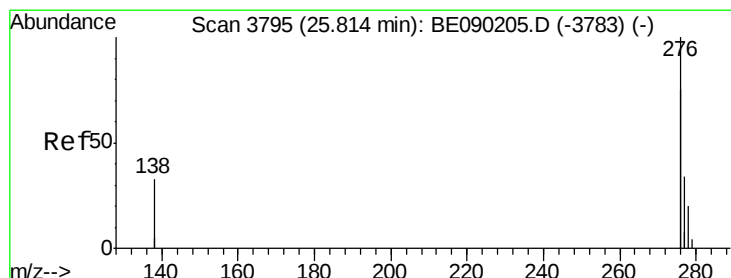
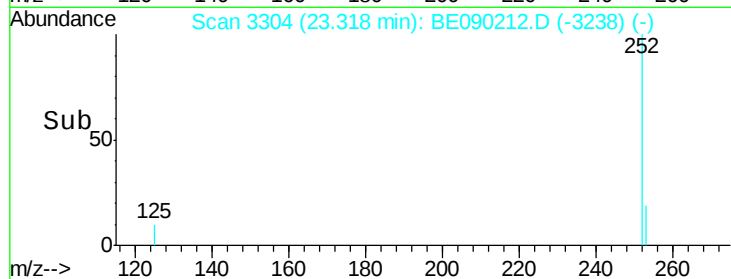
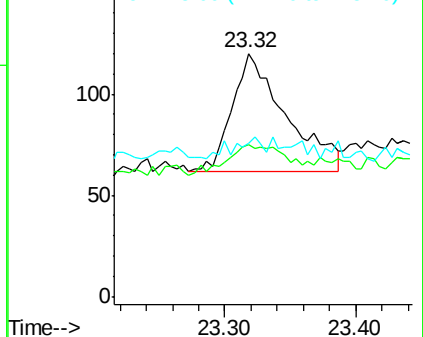
125 63.3 15.4 23.2#



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: 0.06 ng/ul

RT: 25.81 min Scan# 3795

Delta R.T. -0.00 min

Lab File: BE090212.D

Acq: 21 Jul 2015 22:51

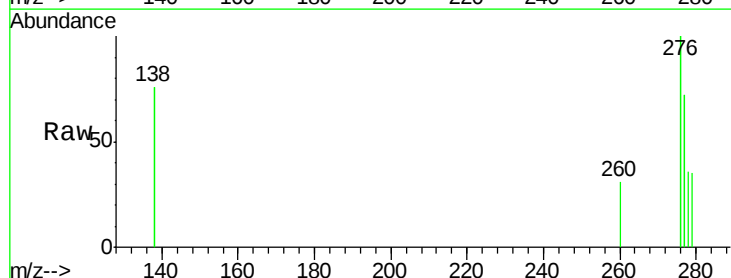
Tgt Ion:276 Resp: 528

Ion Ratio Lower Upper

276 100

138 21.2 16.9 25.3

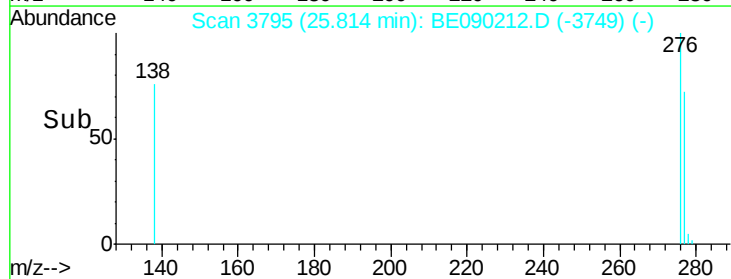
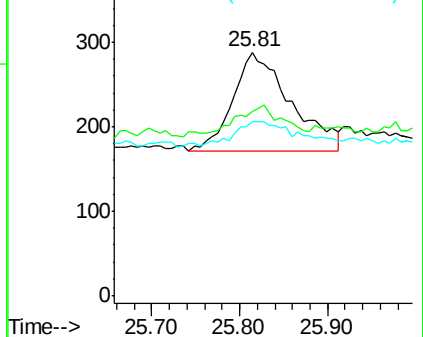
277 30.3 17.0 25.4#

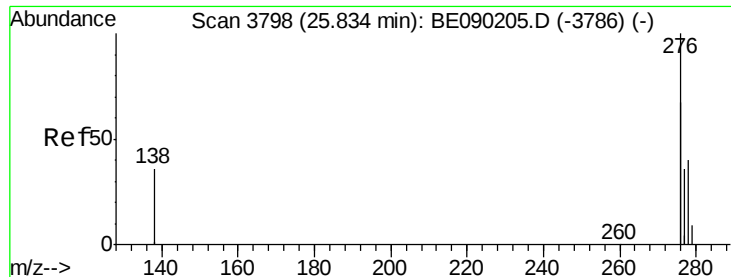


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.06 ng/ul

RT: 25.83 min Scan# 3798

Delta R.T. -0.00 min

Lab File: BE090212.D

Acq: 21 Jul 2015 22:51

Instrument :

BNA_E

ClientSampleId :

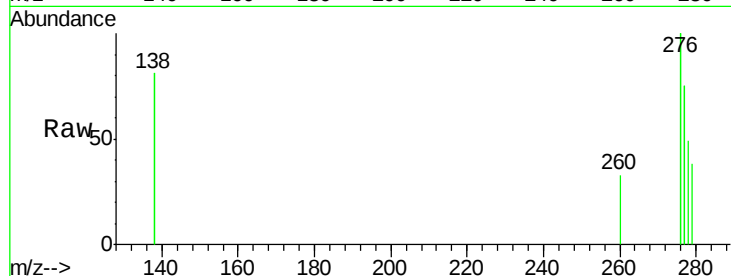
Tot Ion:278 Resp: 83

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

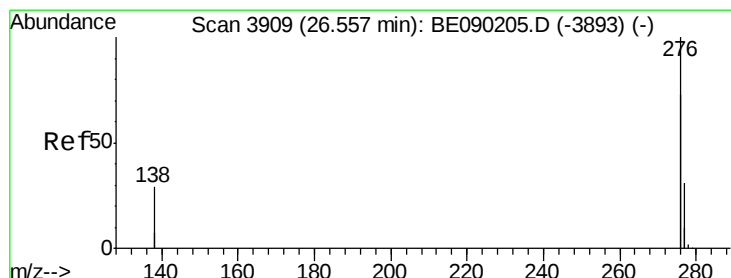
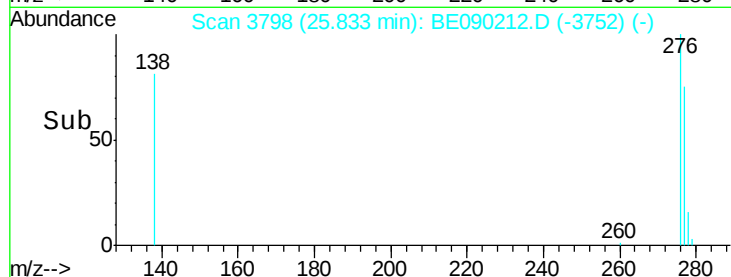
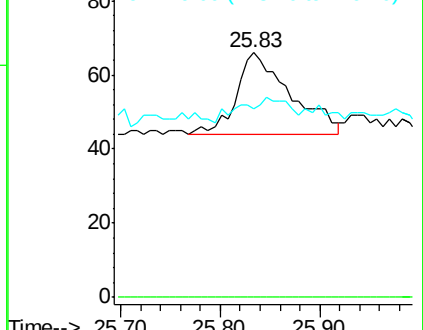
279 77.3 30.1 45.1#



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: 0.06 ng/ul

RT: 26.54 min Scan# 3907

Delta R.T. -0.01 min

Lab File: BE090212.D

Acq: 21 Jul 2015 22:51

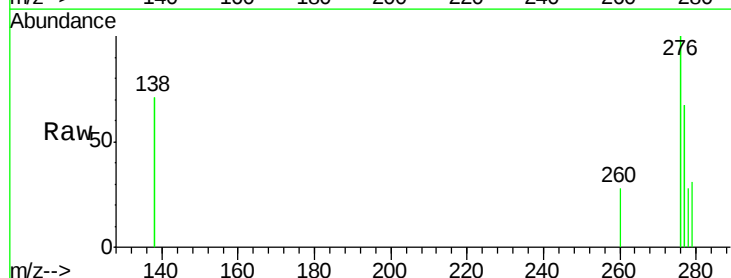
Tgt Ion:276 Resp: 741

Ion Ratio Lower Upper

276 100

277 66.9 24.6 36.8#

138 70.7 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

