

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072215\
 Data File : BE090208.D
 Acq On : 21 Jul 2015 20:24
 Operator : TP/IZ
 Sample : SSTD3.223
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

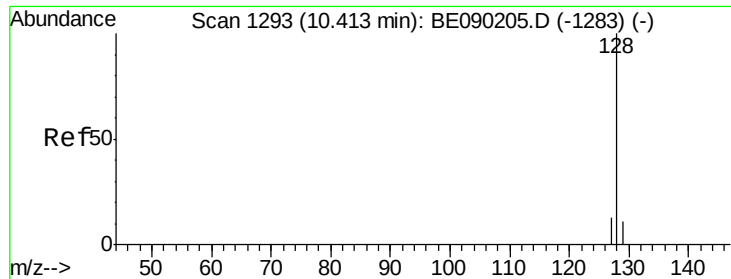
Quant Time: Jul 22 03:06:53 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE072215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 22 03:03:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1009	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	5006	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2908	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	7457	0.40	ng/ul	0.00
16) Chrysene-d12	21.11	240	8959	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	6286	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	26829	3.38	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	78802	3.52	ng/ul	0.00

Target Compounds				Ovalue		
3) Naphthalene	10.41	128	42599	3.23	ng/ul	96
5) 2-Methylnaphthalene	12.03	142	30210	3.38	ng/ul	99
7) Acenaphthylene	13.92	152	205215	3.34	ng/ul	97
8) Acenaphthene	14.27	153	145204	3.28	ng/ul	94
9) Fluorene	15.26	166	42849	3.28	ng/ul	98
11) Pentachlorophenol	16.60	266	1952	2.75	ng/ul#	90
12) Phenanthrene	16.98	178	282158	3.28	ng/ul	98
13) Anthracene	17.07	178	293243	3.52	ng/ul	97
15) Fluoranthene	19.00	202	355812	3.52	ng/ul	98
17) Pyrene	19.36	202	367215	3.08	ng/ul	100
18) Benzo(a)anthracene	21.10	228	64465	3.03	ng/ul	95
19) Chrysene	21.15	228	99166	3.36	ng/ul	97
21) Benzo(b)fluoranthene	22.73	252	44214	2.83	ng/ul	85
22) Benzo(k)fluoranthene	22.77	252	101044	4.34	ng/ul#	93
23) Benzo(a)pyrene	23.33	252	66994	4.01	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.83	276	231771	3.07	ng/ul	94
25) Dibenzo(a,h)anthracene	25.85	278	42409	2.94	ng/ul#	78
26) Benzo(g,h,i)perylene	26.56	276	252527	3.62	ng/ul#	86

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



#3

Naphthalene

Concen: 3.23 ng/ul

RT: 10.41 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BE090208.D

Acq: 21 Jul 2015 20:24

Instrument :

BNA_E

ClientSampleId :

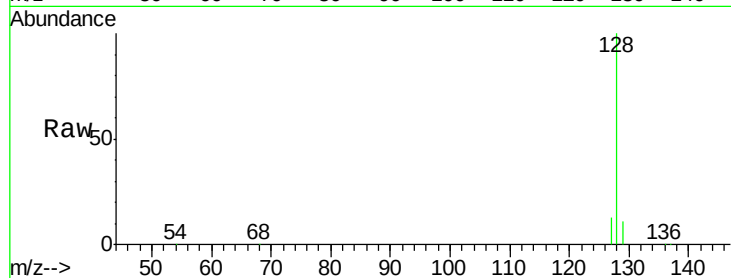
Tot Ion:128 Resp: 42599

Ion Ratio Lower Upper

128 100

129 11.4 10.2 15.2

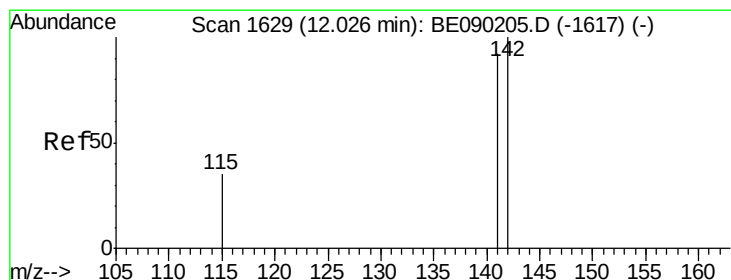
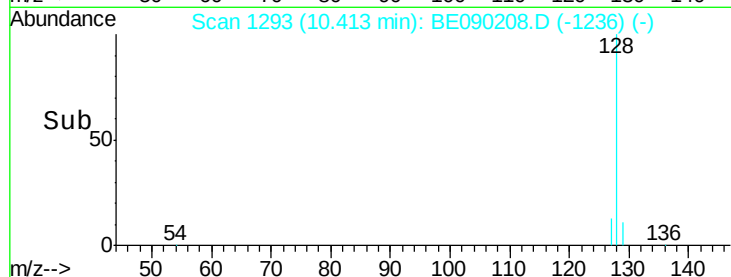
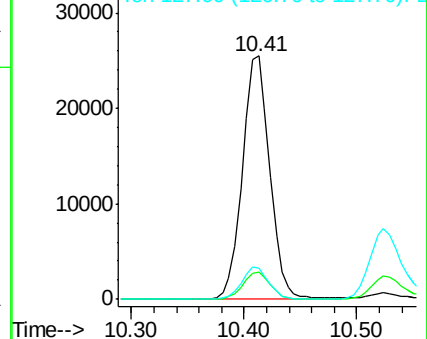
127 13.0 11.8 17.6



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: 3.38 ng/ul

RT: 12.03 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE090208.D

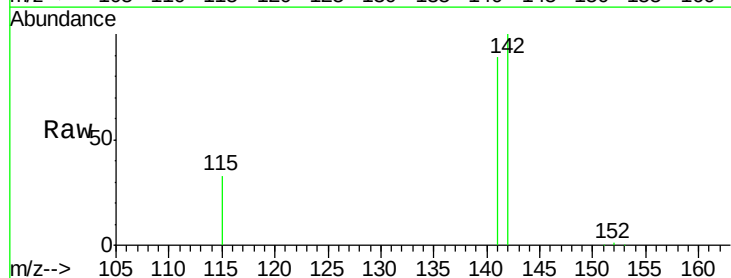
Acq: 21 Jul 2015 20:24

Tgt Ion:142 Resp: 30210

Ion Ratio Lower Upper

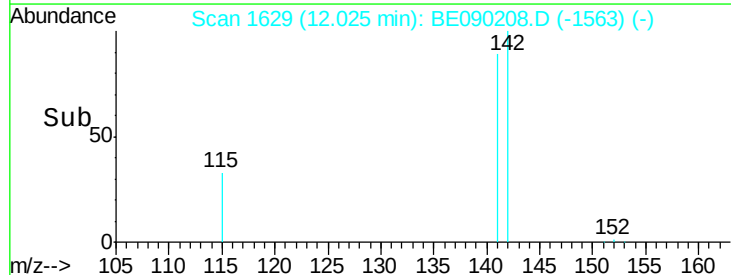
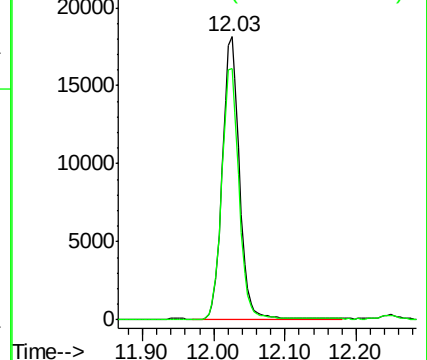
142 100

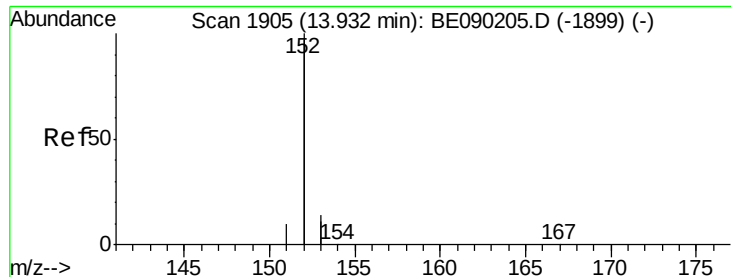
141 90.2 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.34 ng/ul

RT: 13.92 min Scan# 1904

Delta R.T. -0.01 min

Lab File: BE090208.D

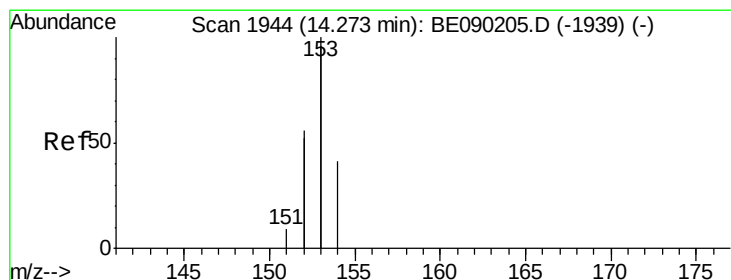
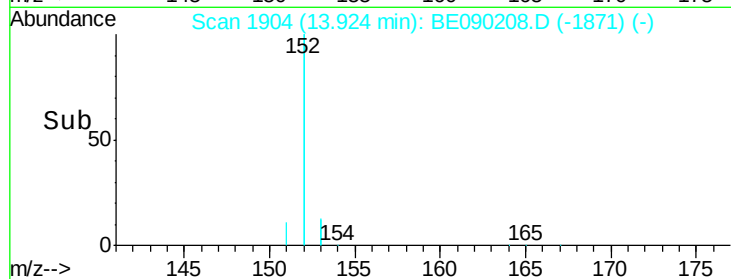
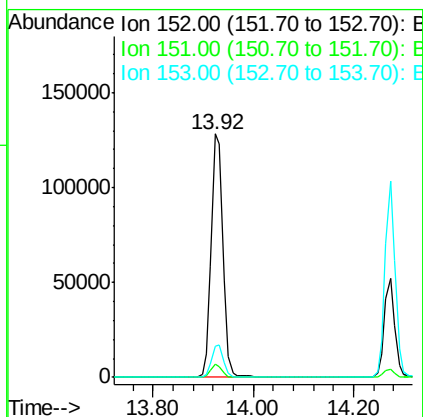
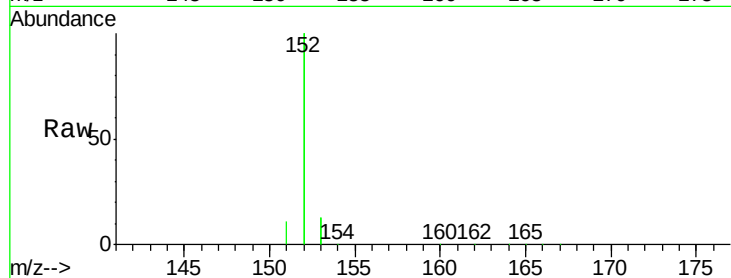
Acq: 21 Jul 2015 20:24

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	152	Resp:	205215
Ion	Ratio	Lower	Upper
152	100		
151	5.3	4.2	6.4
153	12.6	11.5	17.3



#8

Acenaphthene

Concen: 3.28 ng/ul

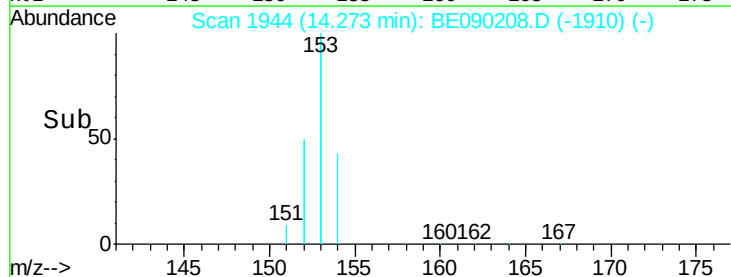
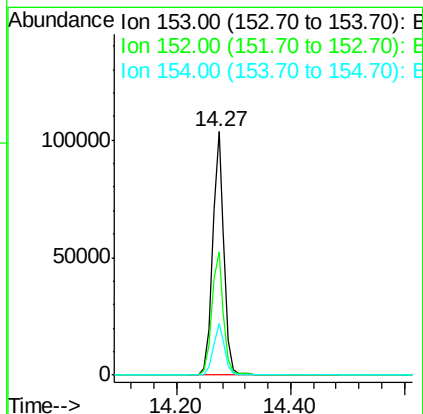
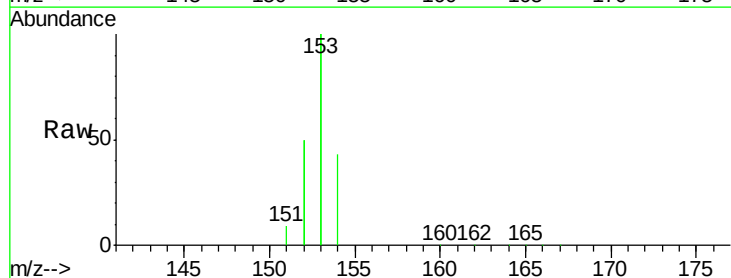
RT: 14.27 min Scan# 1944

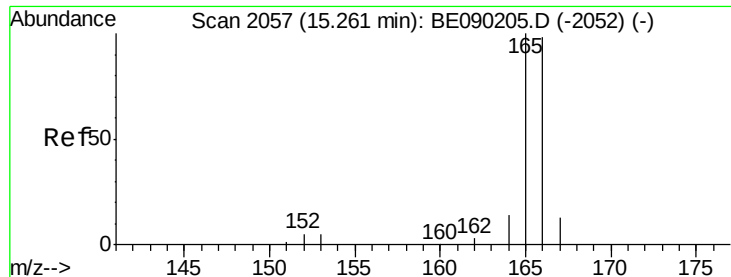
Delta R.T. 0.00 min

Lab File: BE090208.D

Acq: 21 Jul 2015 20:24

Tgt Ion:	153	Resp:	145204
Ion	Ratio	Lower	Upper
153	100		
152	50.4	45.0	67.4
154	21.4	16.8	25.2





#9

Fluorene

Concen: 3.28 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BE090208.D

Acq: 21 Jul 2015 20:24

Instrument :

BNA_E

ClientSampleId :

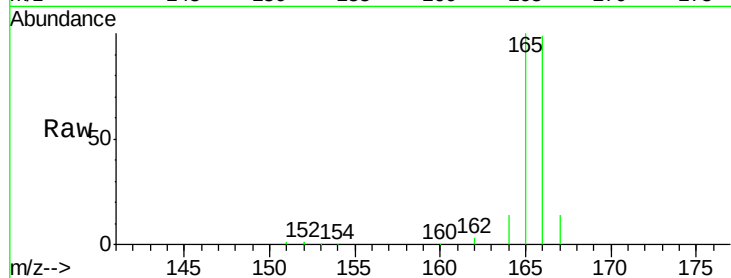
Tot Ion:166 Resp: 42849

Ion Ratio Lower Upper

166 100

165 100.8 81.9 122.9

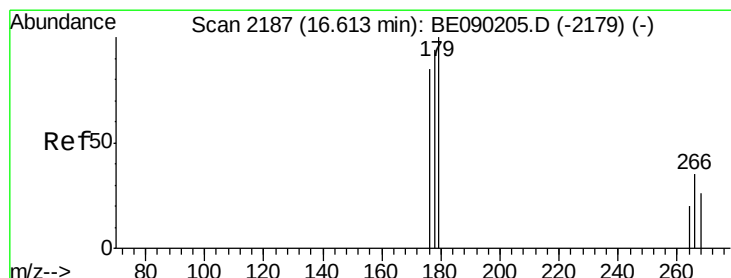
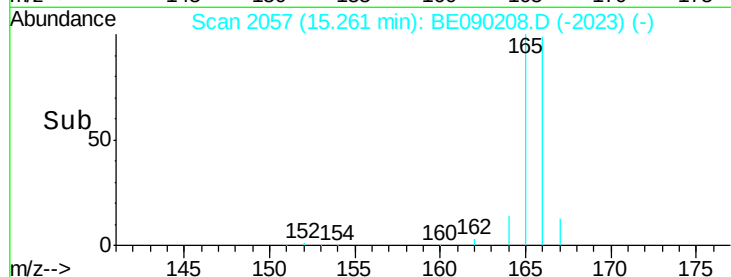
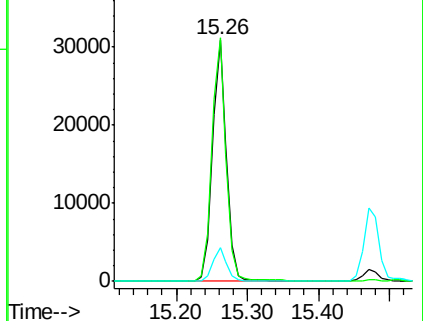
167 13.7 12.2 18.2



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: 2.75 ng/ul

RT: 16.60 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BE090208.D

Acq: 21 Jul 2015 20:24

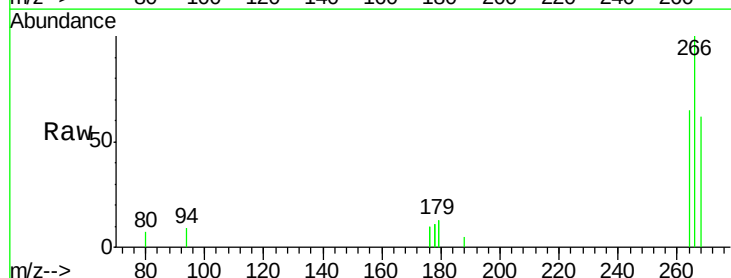
Tgt Ion:266 Resp: 1952

Ion Ratio Lower Upper

266 100

264 63.3 51.6 77.4

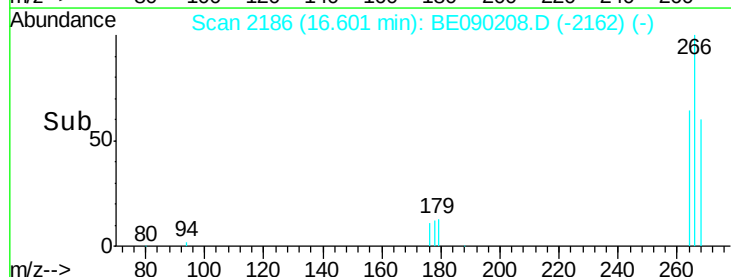
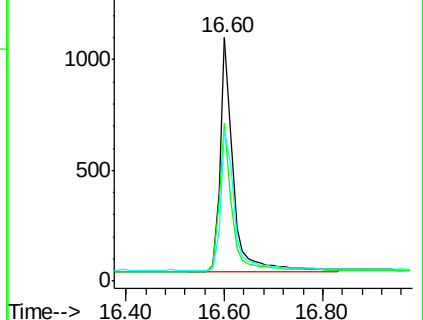
268 65.4 41.3 61.9#

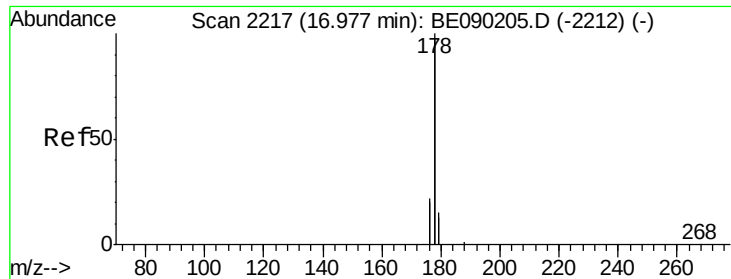


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 3.28 ng/ul

RT: 16.98 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BE090208.D

Acq: 21 Jul 2015 20:24

Instrument :

BNA_E

ClientSampleId :

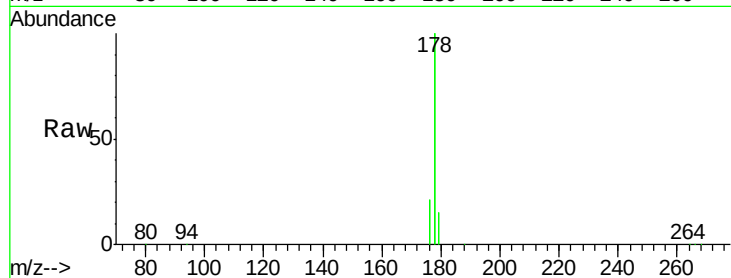
Tot Ion:178 Resp: 282158

Ion Ratio Lower Upper

178 100

176 21.1 17.6 26.4

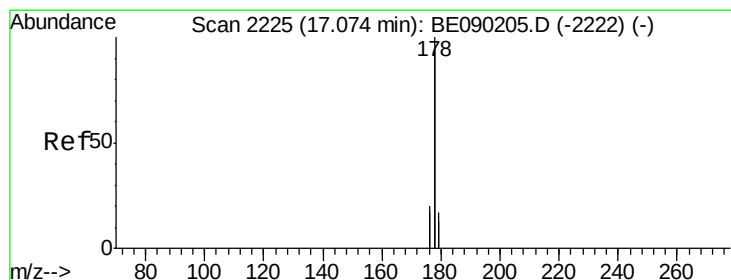
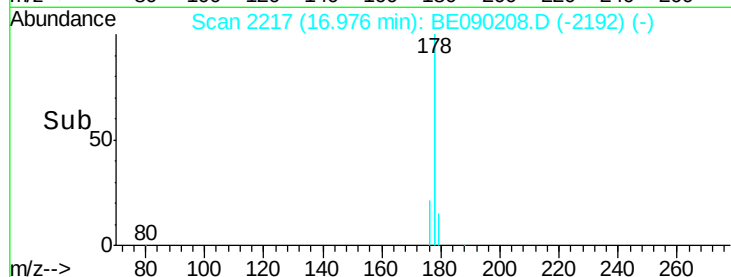
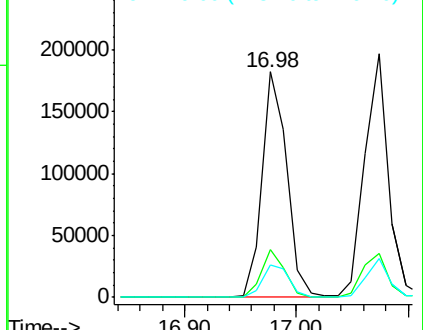
179 14.7 12.2 18.4



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: 3.52 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE090208.D

Acq: 21 Jul 2015 20:24

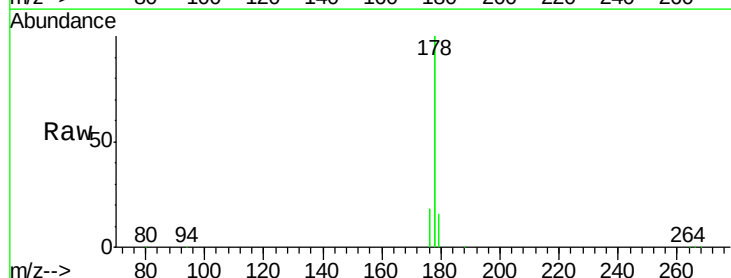
Tgt Ion:178 Resp: 293243

Ion Ratio Lower Upper

178 100

176 18.1 15.9 23.9

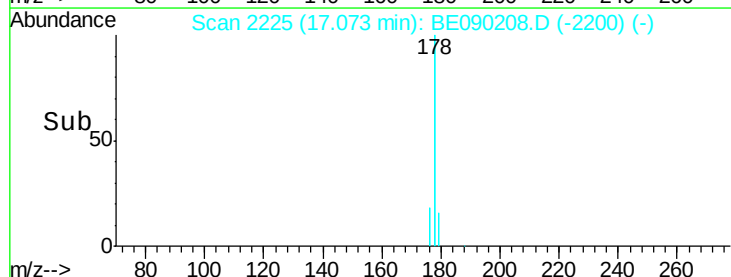
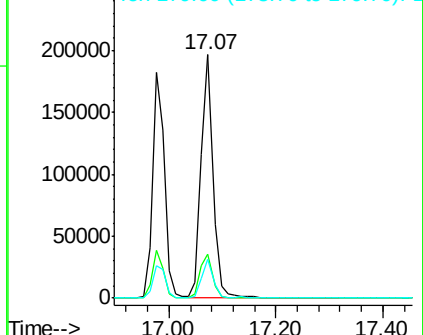
179 16.0 13.3 19.9

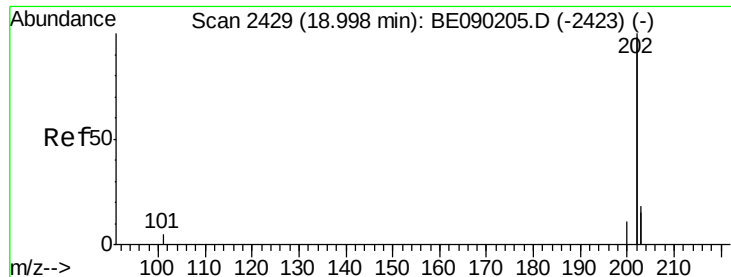


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

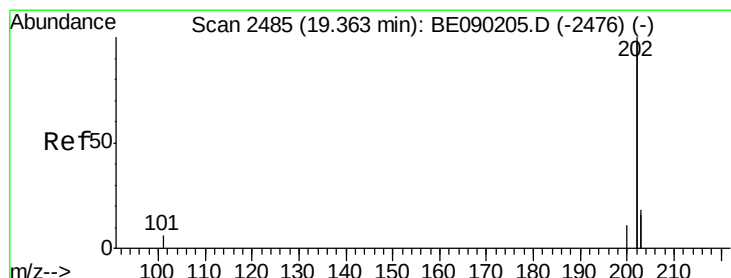
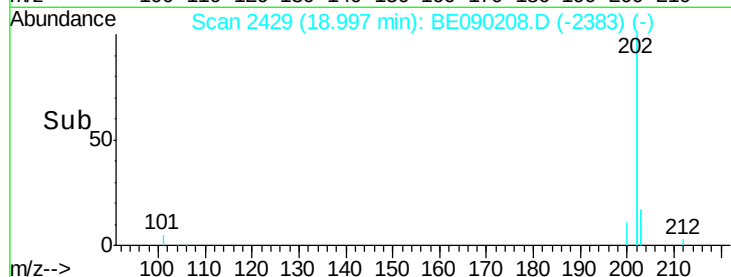
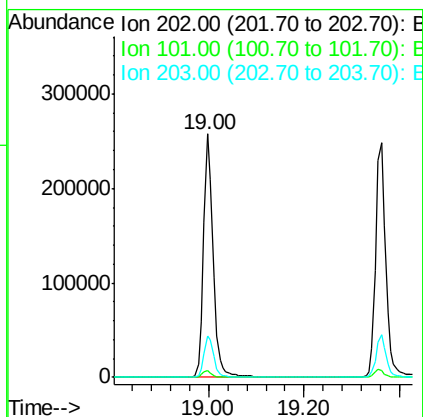
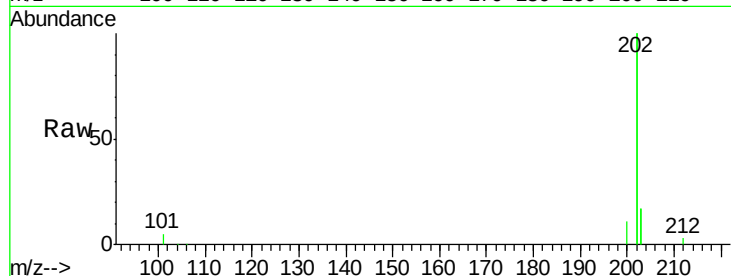




#15
Fluoranthene
 Concen: 3.52 ng/ul
 RT: 19.00 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: BE090208.D
 Acq: 21 Jul 2015 20:24

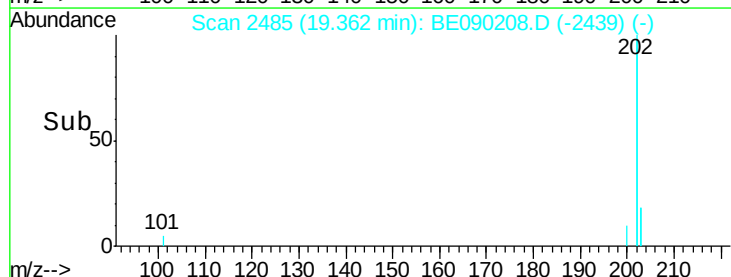
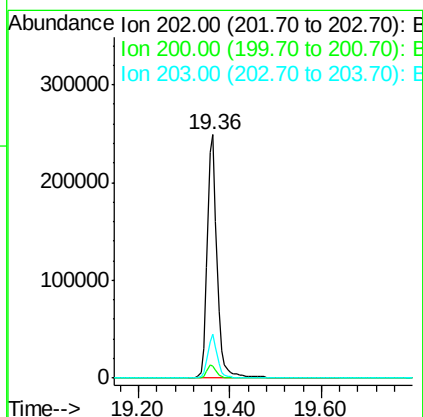
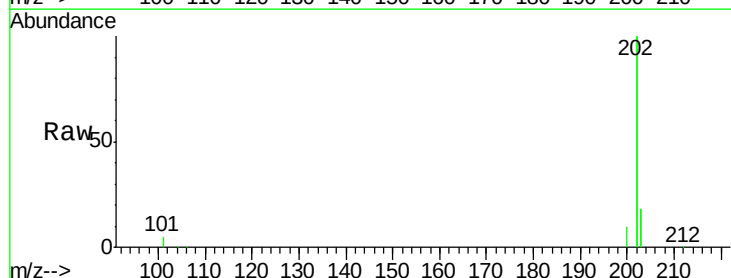
Instrument :
 BNA_E
 ClientSampleId :

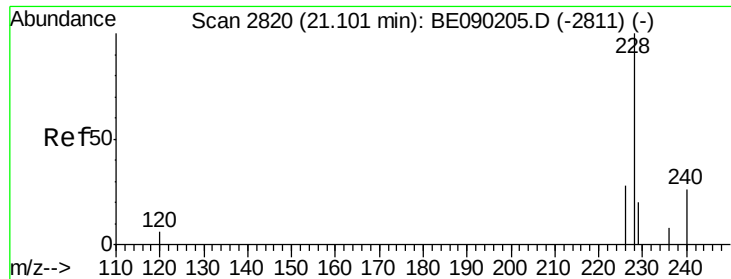
Tot Ion	Ratio	Lower	Upper
202	100		
101	2.6	0.0	23.0
203	16.9	0.0	37.8



#17
Pyrene
 Concen: 3.08 ng/ul
 RT: 19.36 min Scan# 2485
 Delta R.T. -0.00 min
 Lab File: BE090208.D
 Acq: 21 Jul 2015 20:24

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.1	4.4	6.6
203	18.2	14.6	22.0

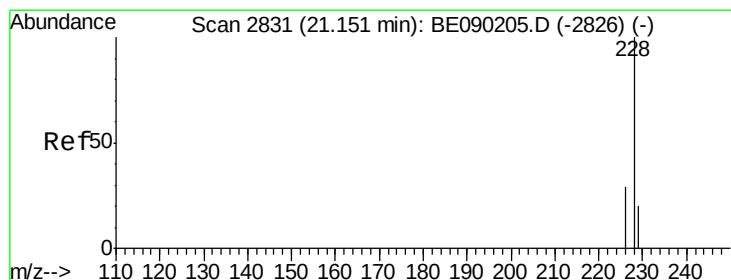
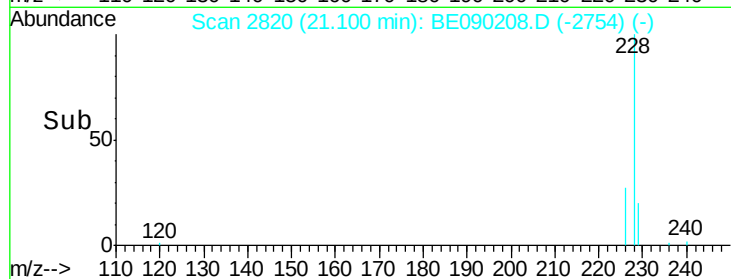
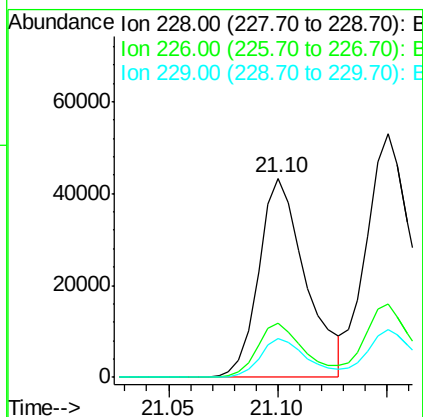
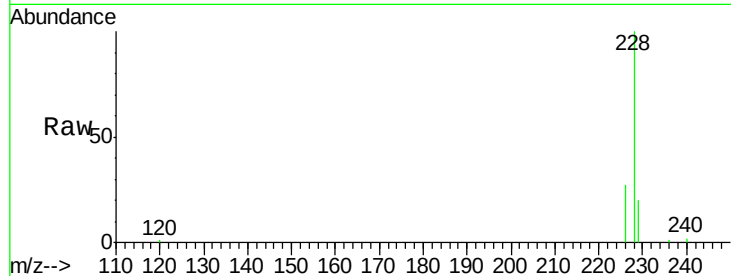




#18
Benzo(a)anthracene
Concen: 3.03 ng/ul
RT: 21.10 min Scan# 2820
Delta R.T. -0.00 min
Lab File: BE090208.D
Acq: 21 Jul 2015 20:24

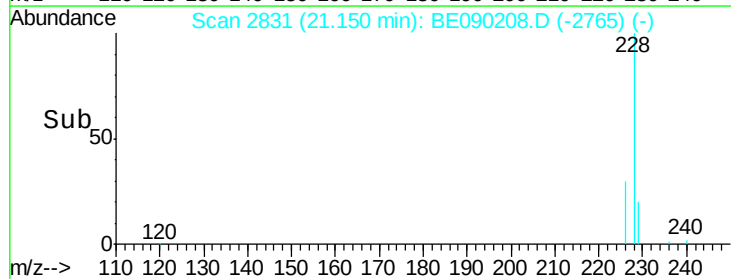
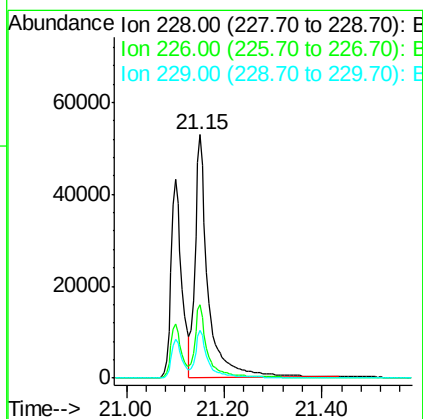
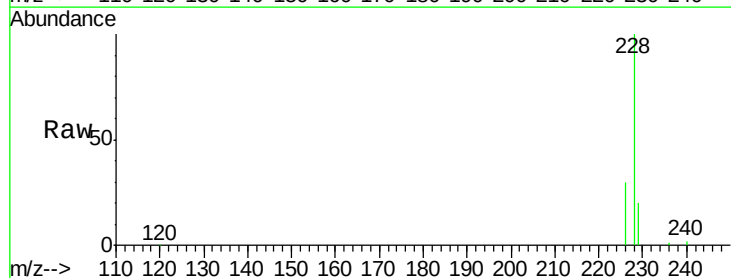
Instrument :
BNA_E
ClientSampleId :

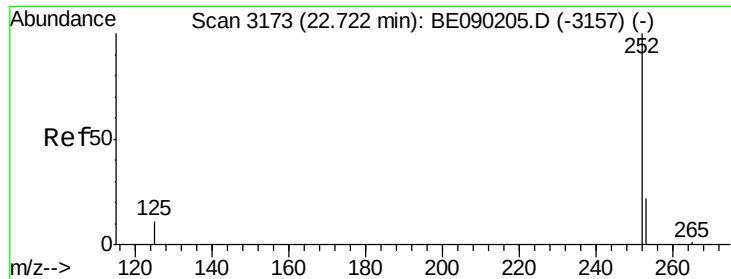
Tot Ion:228 Resp: 64465
Ion Ratio Lower Upper
228 100
226 27.2 24.1 36.1
229 19.8 17.9 26.9



#19
Chrysene
Concen: 3.36 ng/ul
RT: 21.15 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BE090208.D
Acq: 21 Jul 2015 20:24

Tgt Ion:228 Resp: 99166
Ion Ratio Lower Upper
228 100
226 30.0 24.6 36.8
229 19.8 17.4 26.2





#21

Benzo(b)fluoranthene

Concen: 2.83 ng/ul

RT: 22.73 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE090208.D

Acq: 21 Jul 2015 20:24

Instrument :

BNA_E

ClientSampleId :

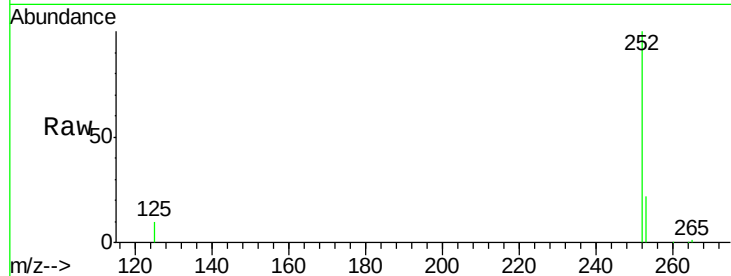
Tot Ion:252 Resp: 44214

Ion Ratio Lower Upper

252 100

253 22.1 0.0 56.8

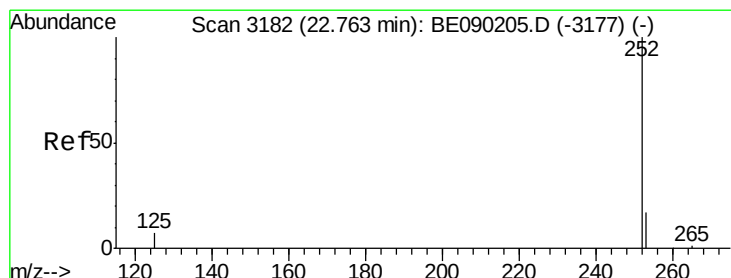
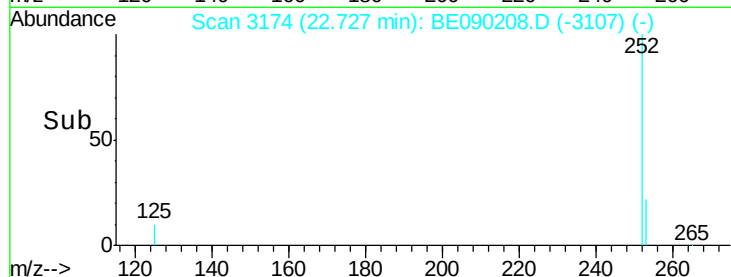
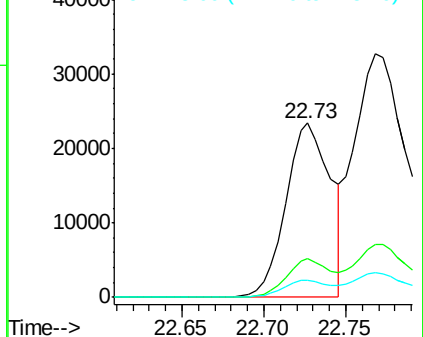
125 10.0 0.0 37.0



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



#22

Benzo(k)fluoranthene

Concen: 4.34 ng/ul

RT: 22.77 min Scan# 3183

Delta R.T. 0.00 min

Lab File: BE090208.D

Acq: 21 Jul 2015 20:24

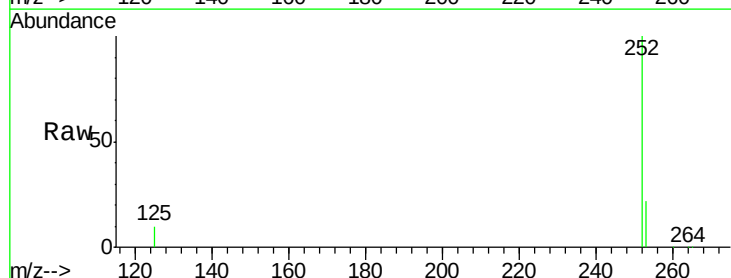
Tgt Ion:252 Resp: 101044

Ion Ratio Lower Upper

252 100

253 21.9 19.5 29.3

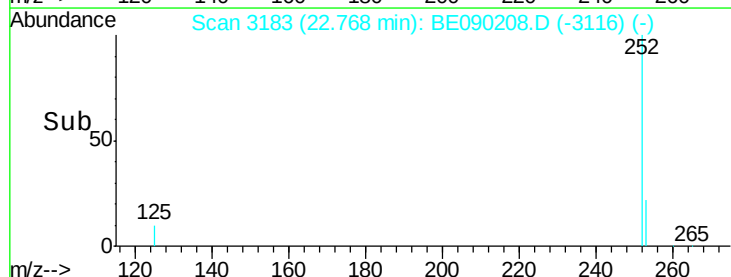
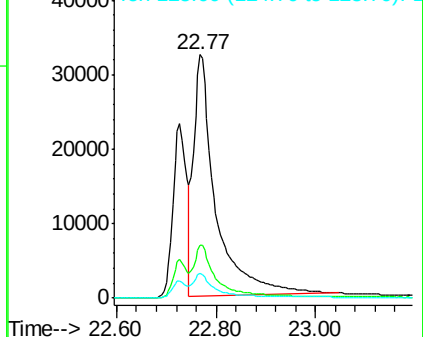
125 10.2 11.9 17.9#

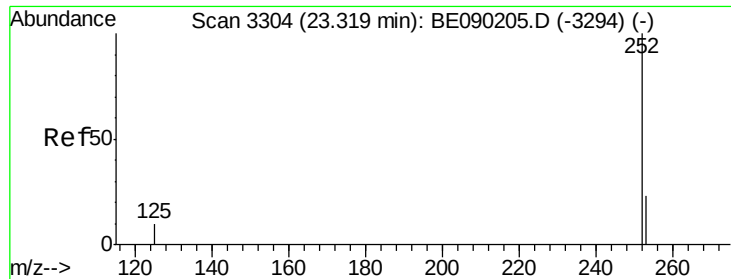


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 4.01 ng/ul

RT: 23.33 min Scan# 3306

Delta R.T. 0.01 min

Lab File: BE090208.D

Acq: 21 Jul 2015 20:24

Instrument :

BNA_E

ClientSampled :

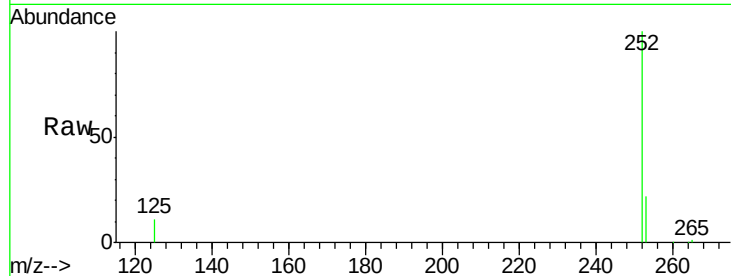
Tot Ion:252 Resp: 66994

Ion Ratio Lower Upper

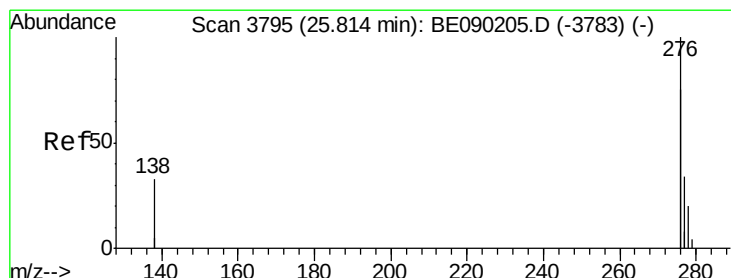
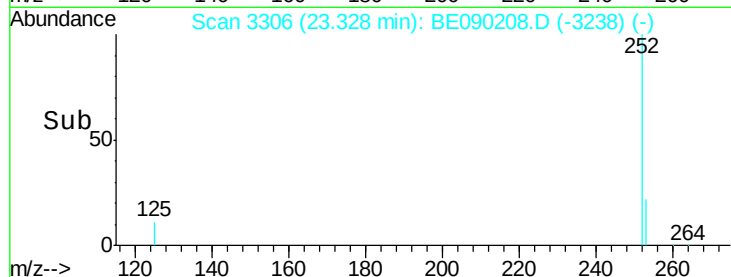
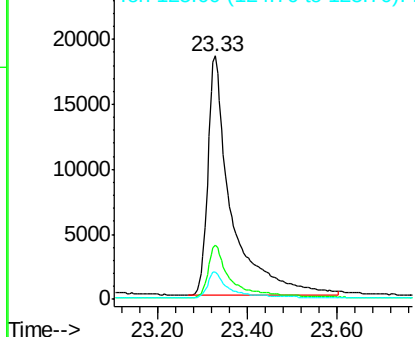
252 100

253 22.0 23.7 35.5#

125 11.0 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: 3.07 ng/ul

RT: 25.83 min Scan# 3798

Delta R.T. 0.02 min

Lab File: BE090208.D

Acq: 21 Jul 2015 20:24

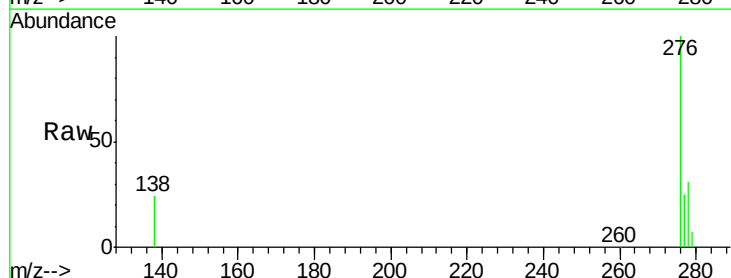
Tgt Ion:276 Resp: 231771

Ion Ratio Lower Upper

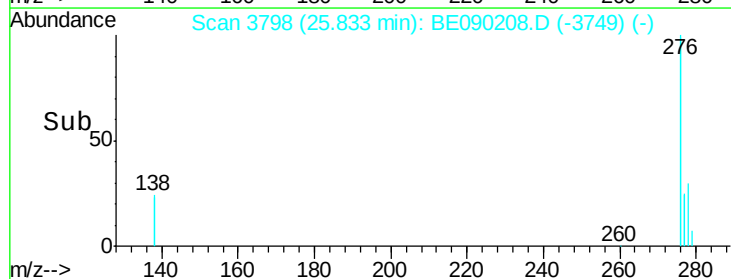
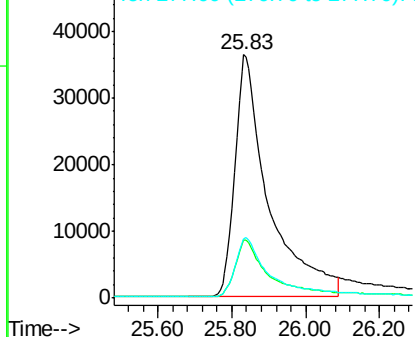
276 100

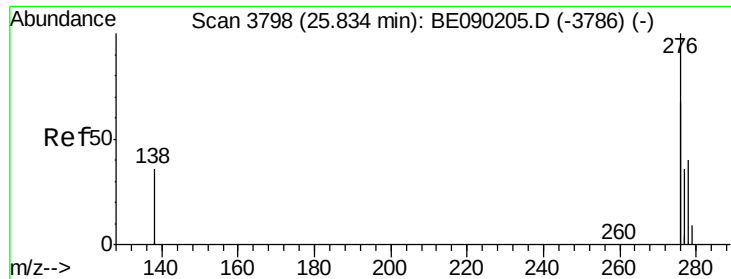
138 23.6 16.9 25.3

277 24.6 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

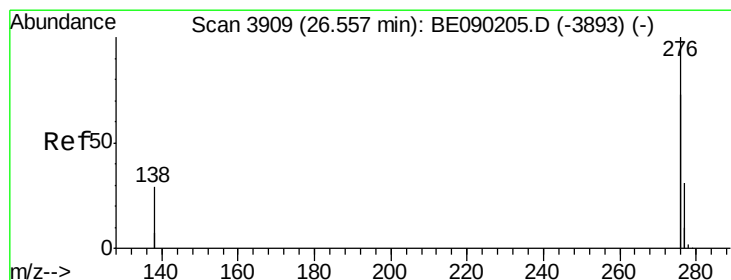
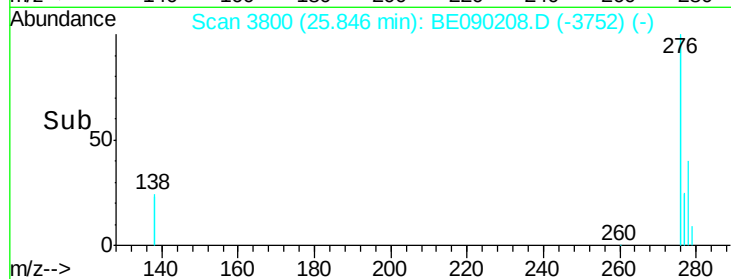
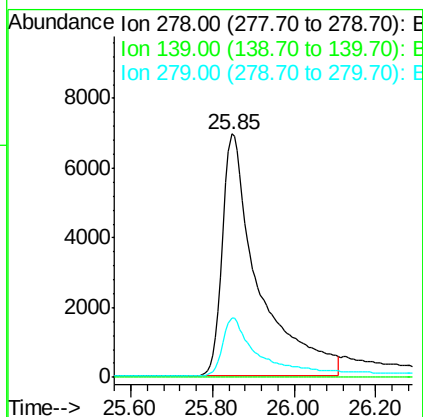
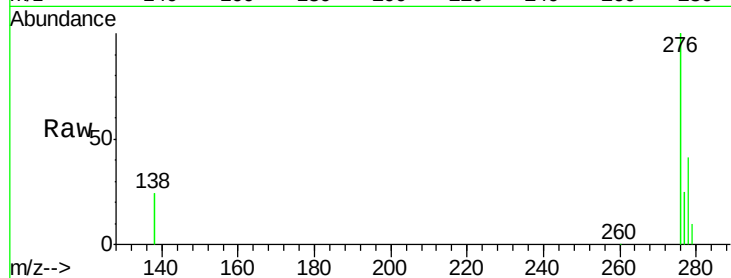




#25
Dibenzo(a,h)anthracene
Concen: 2.94 ng/ul
RT: 25.85 min Scan# 3800
Delta R.T. 0.01 min
Lab File: BE090208.D
Acq: 21 Jul 2015 20:24

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 42409
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 24.1 30.1 45.1#



#26
Benzo(g,h,i)perylene
Concen: 3.62 ng/ul
RT: 26.56 min Scan# 3910
Delta R.T. 0.01 min
Lab File: BE090208.D
Acq: 21 Jul 2015 20:24

Tgt Ion:276 Resp: 252527
Ion Ratio Lower Upper
276 100
277 24.0 24.6 36.8#
138 21.4 23.5 35.3#

