

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072215\
 Data File : BE090207.D
 Acq On : 21 Jul 2015 19:46
 Operator : TP/IZ
 Sample : SSTD1.622
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 22 03:06:40 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	928	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	4504	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2587	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	6727	0.40	ng/ul	0.00
16) Chrysene-d12	21.11	240	7065	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	4926	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.95	152	11623	1.63	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	32926	1.63	ng/ul	0.00

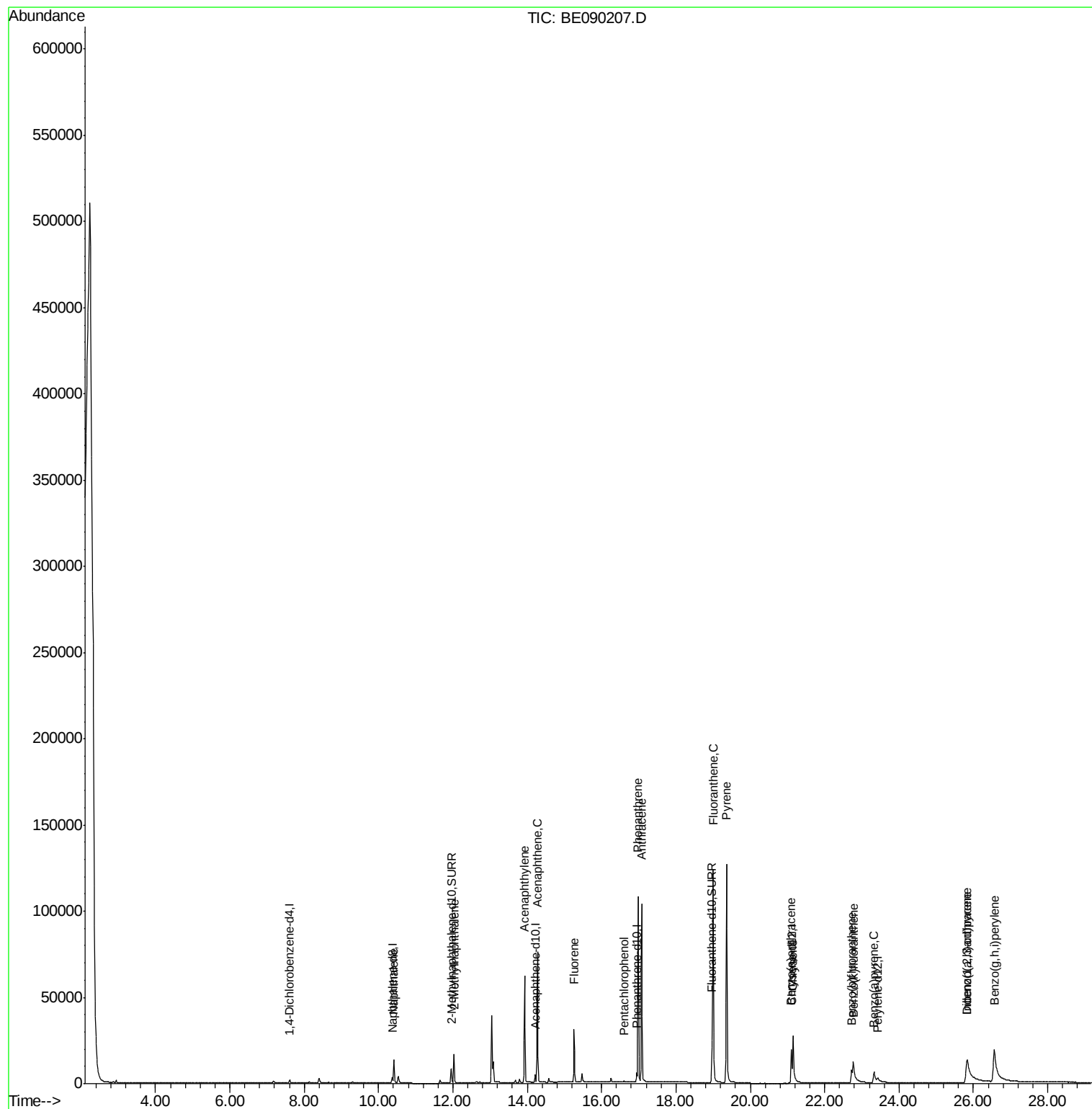
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.41	128	18989	1.60	ng/ul	97
5) 2-Methylnaphthalene	12.03	142	13010	1.62	ng/ul	99
7) Acenaphthylene	13.93	152	86987	1.59	ng/ul	99
8) Acenaphthene	14.27	153	61715	1.57	ng/ul	96
9) Fluorene	15.26	166	18550	1.60	ng/ul	99
11) Pentachlorophenol	16.60	266	724	1.13	ng/ul#	91
12) Phenanthrene	16.98	178	124550	1.60	ng/ul	98
13) Anthracene	17.07	178	123312	1.64	ng/ul	98
15) Fluoranthene	19.00	202	148569	1.63	ng/ul	98
17) Pyrene	19.36	202	151448	1.61	ng/ul	99
18) Benzo(a)anthracene	21.10	228	21353	1.27	ng/ul	95
19) Chrysene	21.15	228	41159	1.77	ng/ul	98
21) Benzo(b)fluoranthene	22.73	252	12113	0.99	ng/ul	87
22) Benzo(k)fluoranthene	22.77	252	36721	2.01	ng/ul#	93
23) Benzo(a)pyrene	23.33	252	22620	1.73	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	25.83	276	63350	1.07	ng/ul	93
25) Dibenzo(a,h)anthracene	25.84	278	11228	0.99	ng/ul#	81
26) Benzo(g,h,i)perylene	26.56	276	83511	1.53	ng/ul#	88

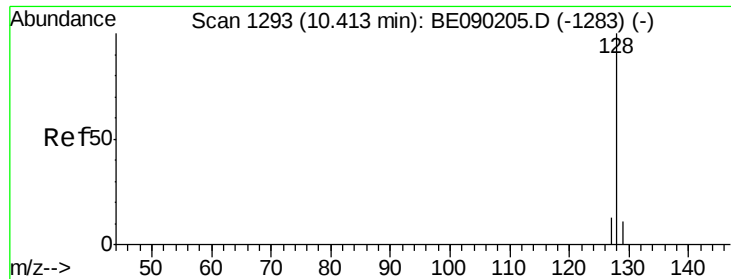
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.60 ng/ul

RT: 10.41 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BE090207.D

Acq: 21 Jul 2015 19:46

Instrument :

BNA_E

ClientSampled :

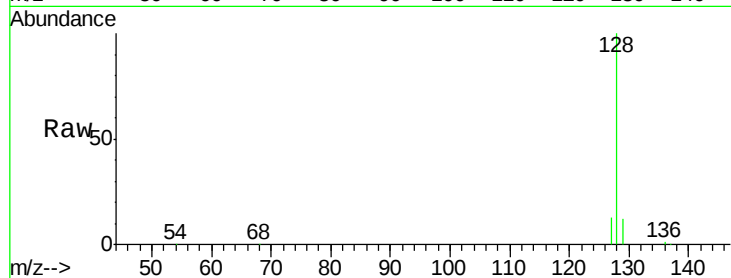
Tot Ion:128 Resp: 18989

Ion Ratio Lower Upper

128 100

129 11.5 10.2 15.2

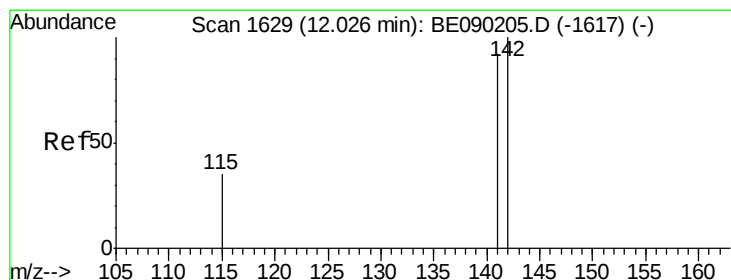
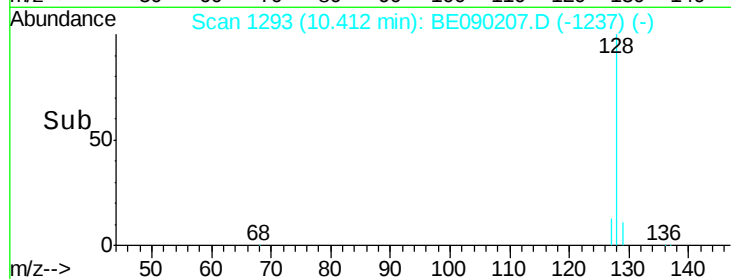
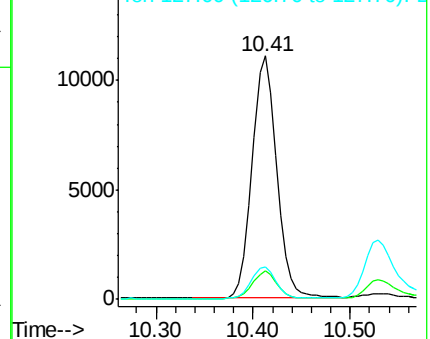
127 13.3 11.8 17.6



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: 1.62 ng/ul

RT: 12.03 min Scan# 1629

Delta R.T. 0.00 min

Lab File: BE090207.D

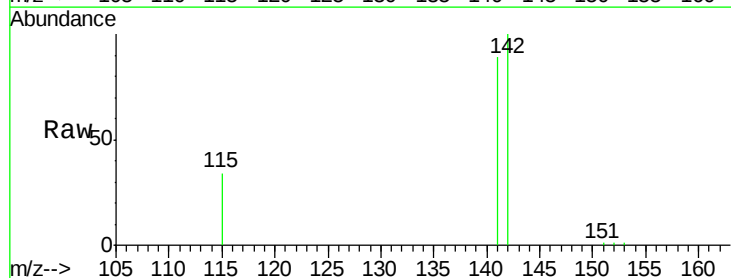
Acq: 21 Jul 2015 19:46

Tgt Ion:142 Resp: 13010

Ion Ratio Lower Upper

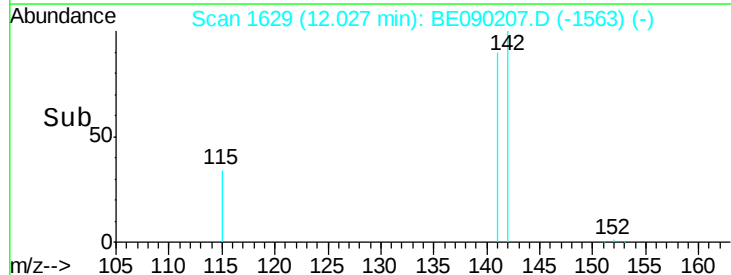
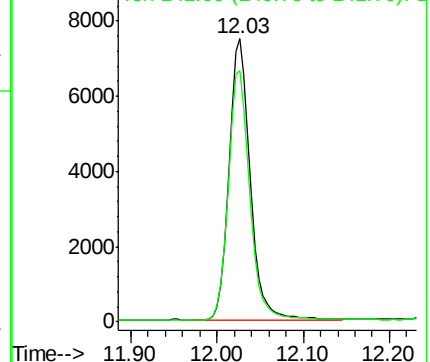
142 100

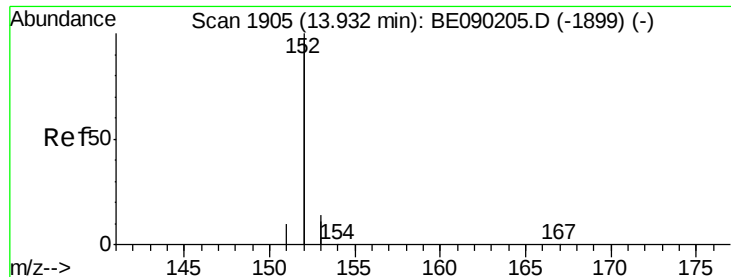
141 90.4 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.59 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BE090207.D

Acq: 21 Jul 2015 19:46

Instrument :

BNA_E

ClientSampleId :

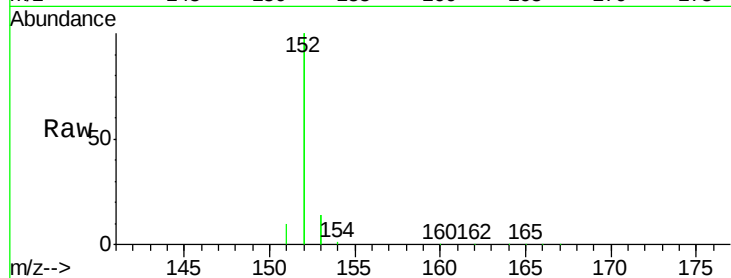
Tot Ion:152 Resp: 86987

Ion Ratio Lower Upper

152 100

151 4.8 4.2 6.4

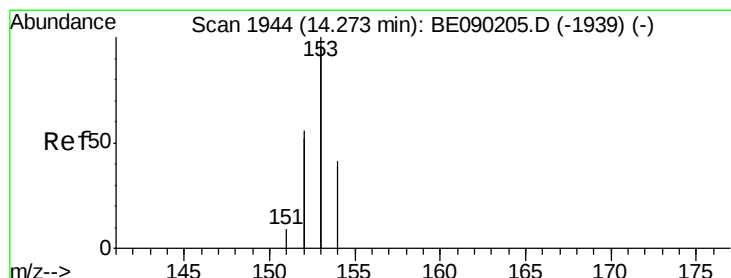
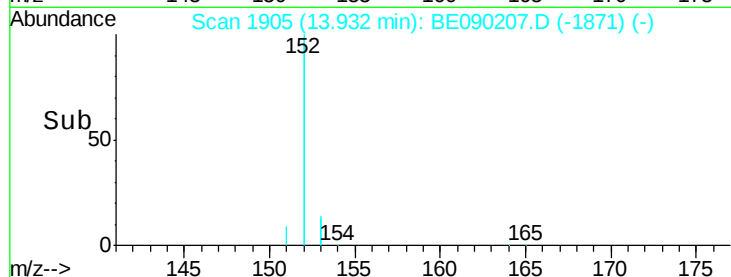
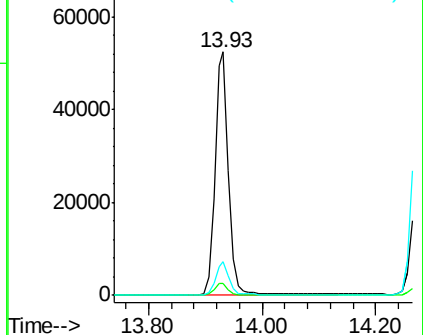
153 13.9 11.5 17.3



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: 1.57 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BE090207.D

Acq: 21 Jul 2015 19:46

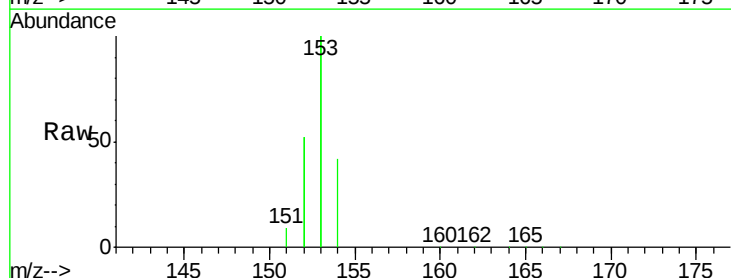
Tgt Ion:153 Resp: 61715

Ion Ratio Lower Upper

153 100

152 52.0 45.0 67.4

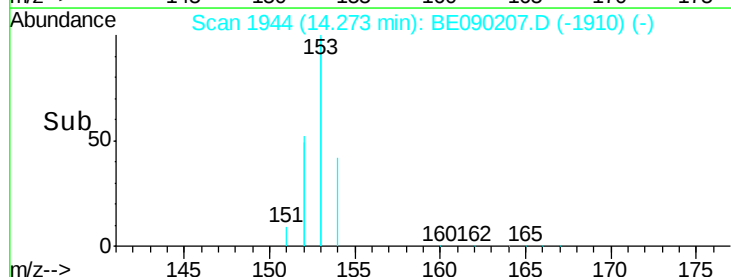
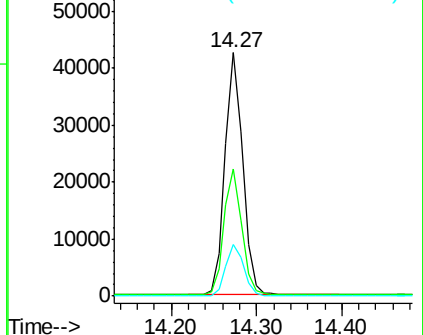
154 21.1 16.8 25.2

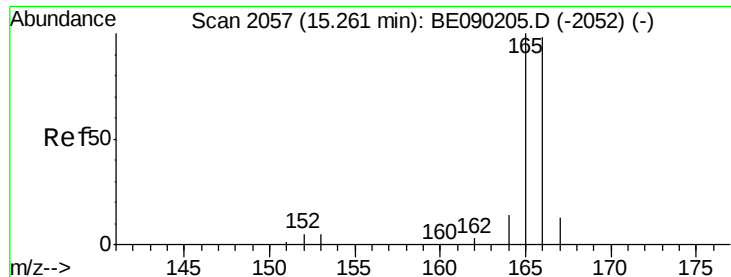


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 1.60 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BE090207.D

Acq: 21 Jul 2015 19:46

Instrument :

BNA_E

ClientSampleId :

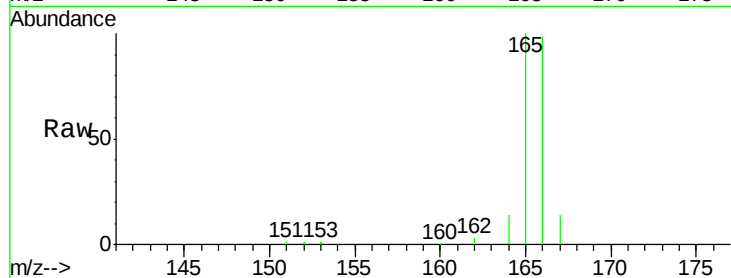
Tot Ion:166 Resp: 18550

Ion Ratio Lower Upper

166 100

165 101.6 81.9 122.9

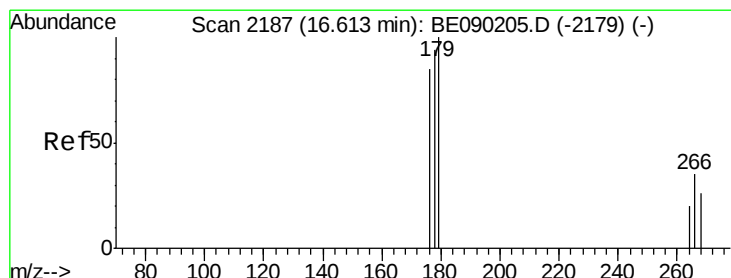
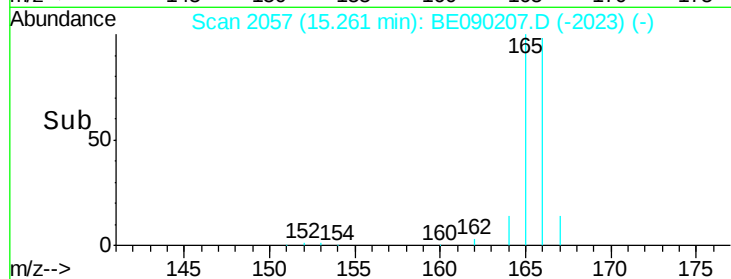
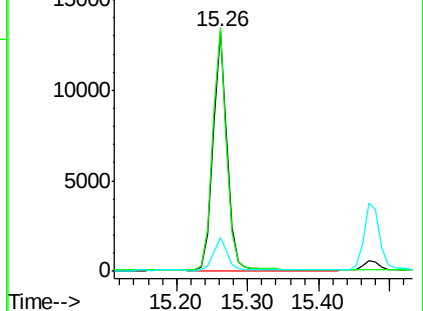
167 14.2 12.2 18.2



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: 1.13 ng/ul

RT: 16.60 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BE090207.D

Acq: 21 Jul 2015 19:46

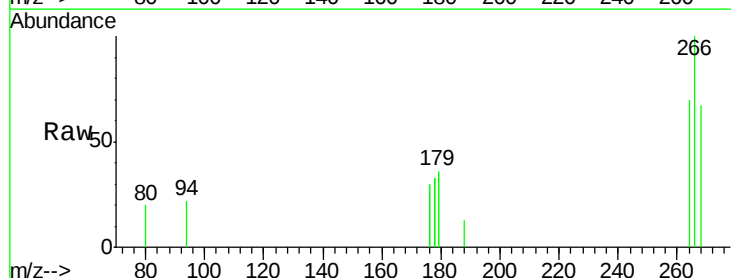
Tgt Ion:266 Resp: 724

Ion Ratio Lower Upper

266 100

264 62.4 51.6 77.4

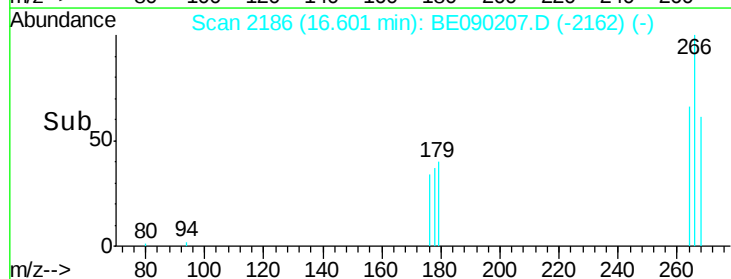
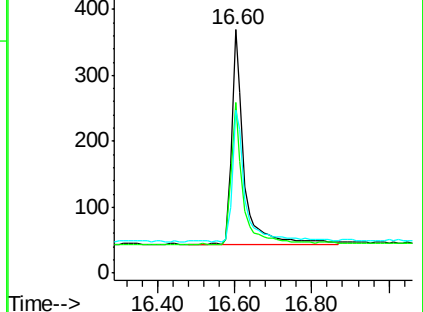
268 63.0 41.3 61.9#

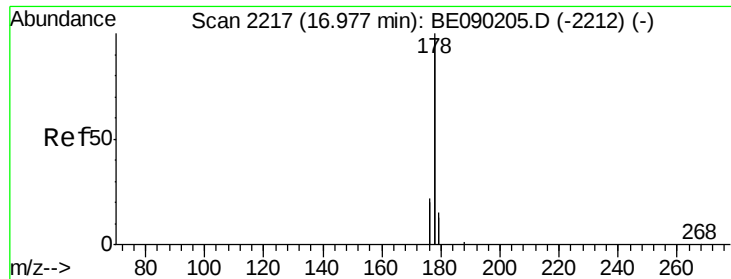


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 1.60 ng/ul

RT: 16.98 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BE090207.D

Acq: 21 Jul 2015 19:46

Instrument :

BNA_E

ClientSampleId :

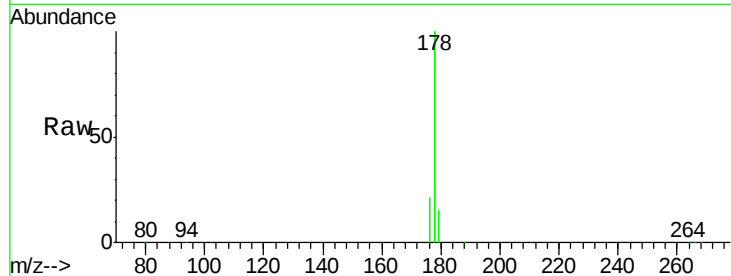
Tot Ion:178 Resp: 124550

Ion Ratio Lower Upper

178 100

176 20.8 17.6 26.4

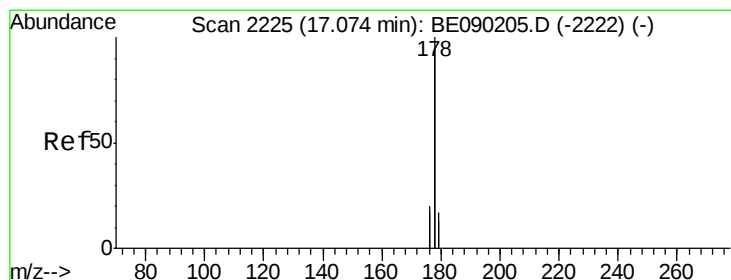
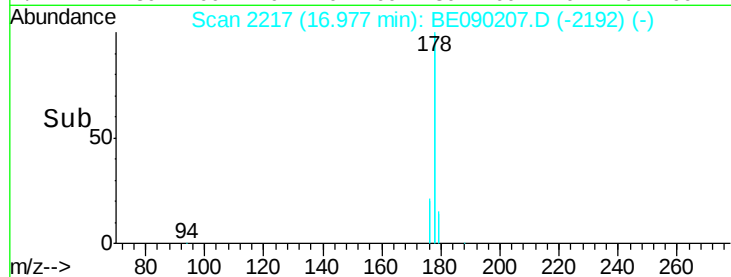
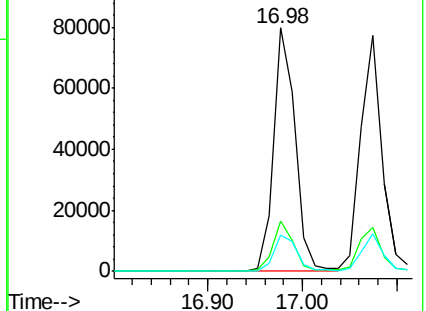
179 14.7 12.2 18.4



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: 1.64 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE090207.D

Acq: 21 Jul 2015 19:46

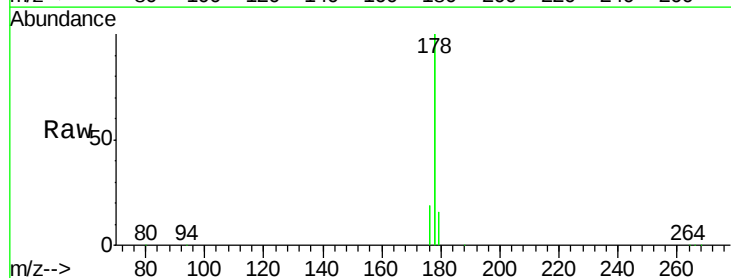
Tgt Ion:178 Resp: 123312

Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

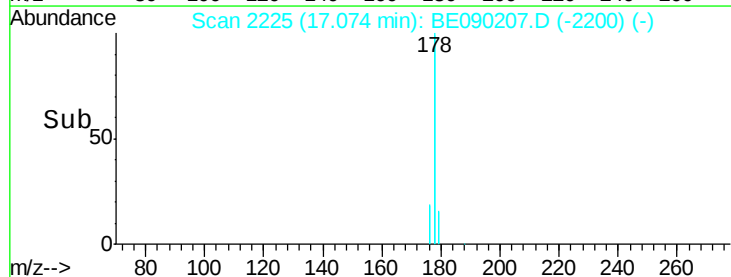
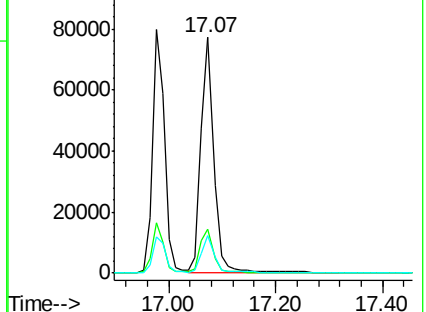
179 15.9 13.3 19.9

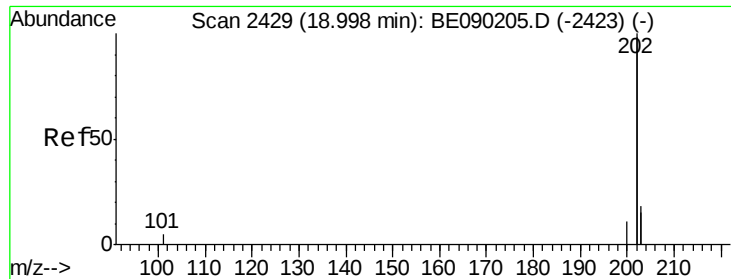


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

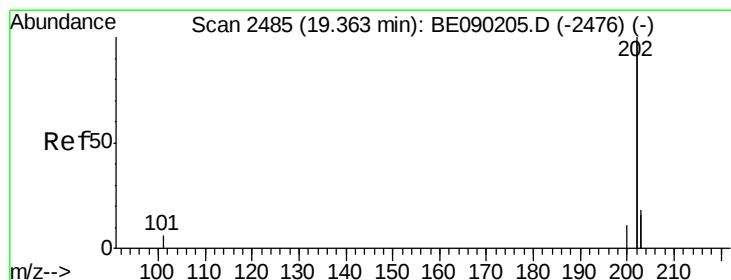
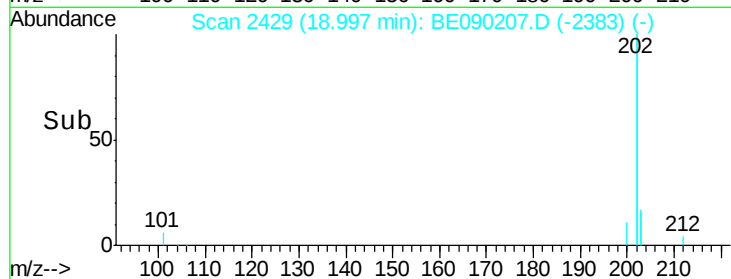
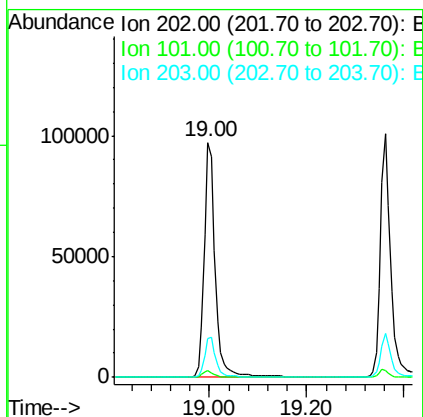
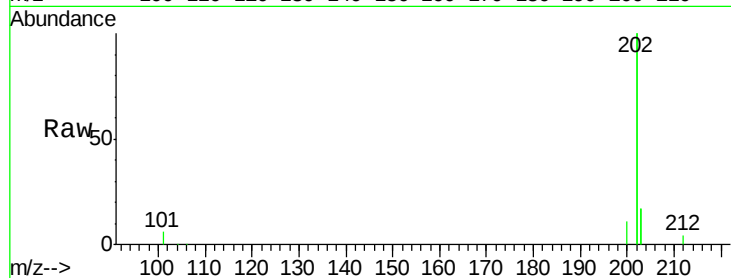




#15
Fluoranthene
 Concen: 1.63 ng/ul
 RT: 19.00 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: BE090207.D
 Acq: 21 Jul 2015 19:46

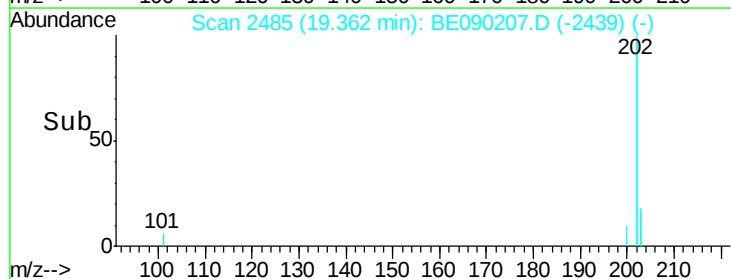
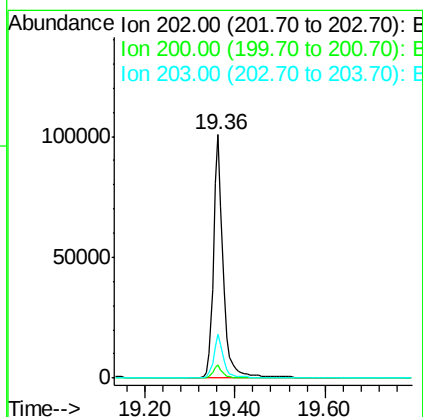
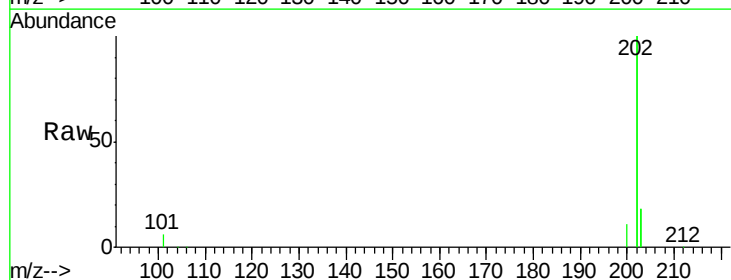
Instrument :
 BNA_E
 ClientSampleId :

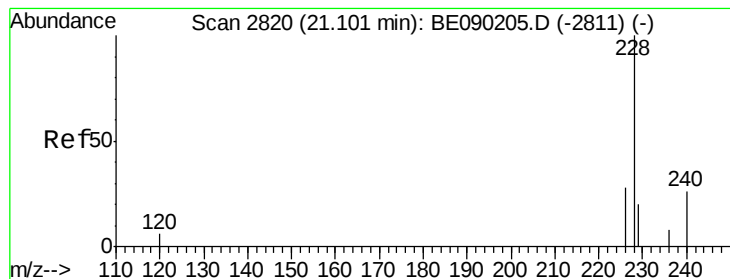
Tot Ion	Ratio	Lower	Upper
202	100		
101	2.9	0.0	23.0
203	16.7	0.0	37.8



#17
Pyrene
 Concen: 1.61 ng/ul
 RT: 19.36 min Scan# 2485
 Delta R.T. -0.00 min
 Lab File: BE090207.D
 Acq: 21 Jul 2015 19:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.4	6.6
203	18.0	14.6	22.0





#18

Benzo(a)anthracene

Concen: 1.27 ng/ul

RT: 21.10 min Scan# 2820

Delta R.T. -0.00 min

Lab File: BE090207.D

Acq: 21 Jul 2015 19:46

Instrument :

BNA_E

ClientSampled :

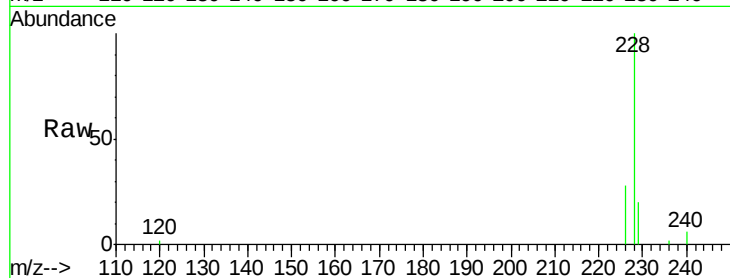
Tot Ion:228 Resp: 21353

Ion Ratio Lower Upper

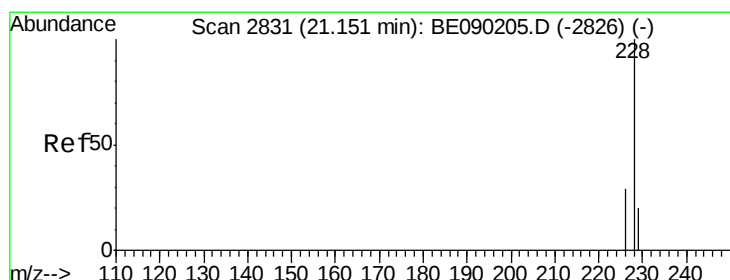
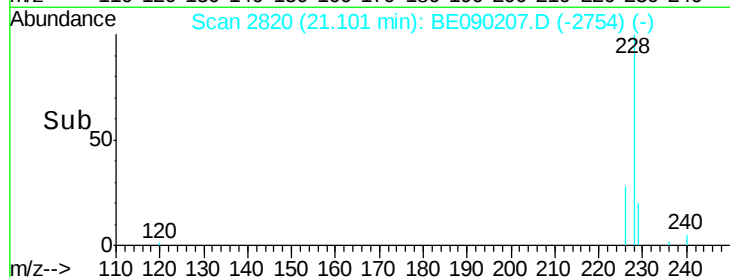
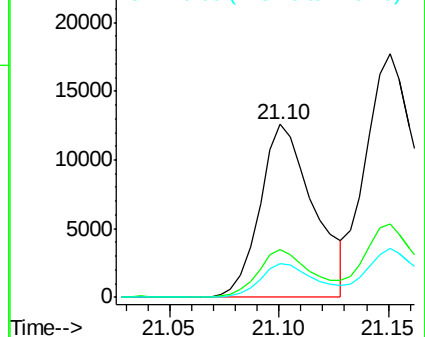
228 100

226 27.8 24.1 36.1

229 19.8 17.9 26.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#19

Chrysene

Concen: 1.77 ng/ul

RT: 21.15 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE090207.D

Acq: 21 Jul 2015 19:46

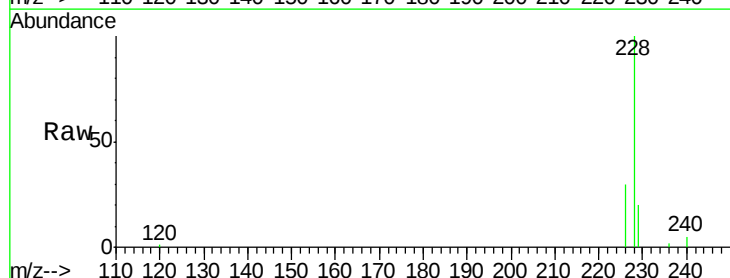
Tgt Ion:228 Resp: 41159

Ion Ratio Lower Upper

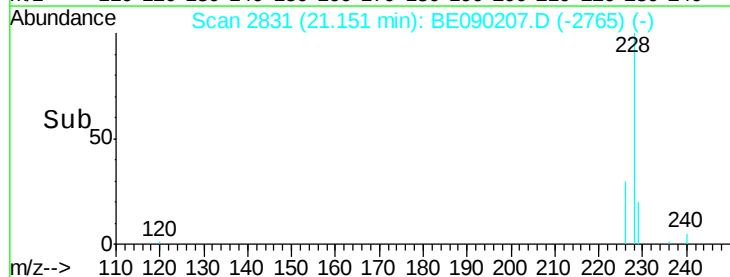
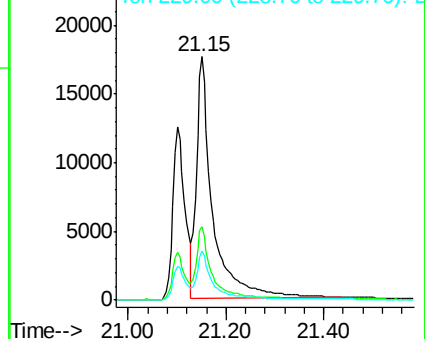
228 100

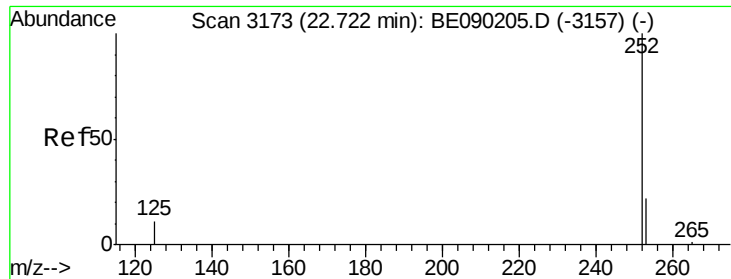
226 30.1 24.6 36.8

229 19.9 17.4 26.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

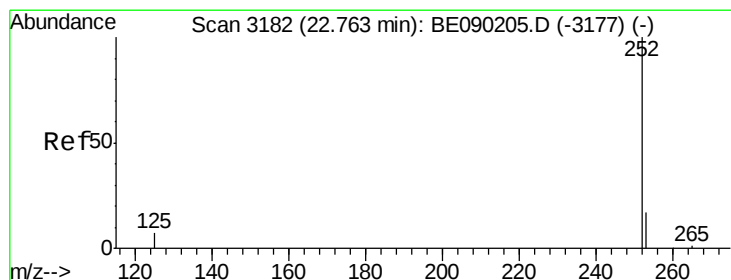
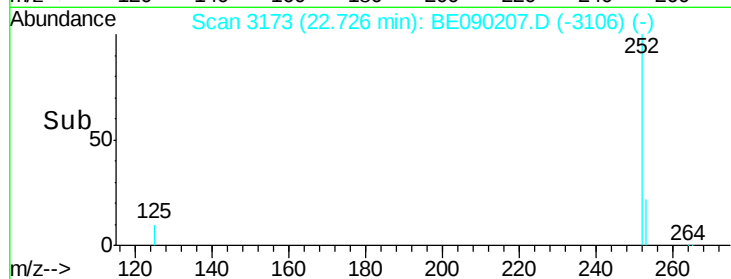
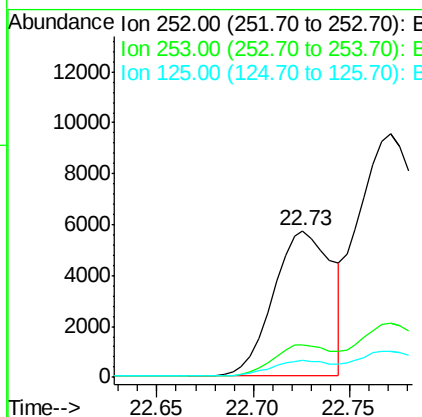
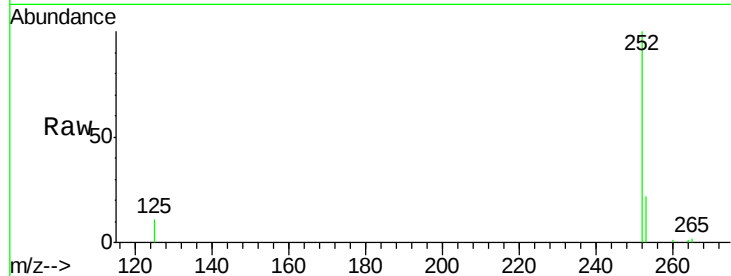




#21
Benzo(b)fluoranthene
Concen: 0.99 ng/ul
RT: 22.73 min Scan# 3173
Delta R.T. 0.00 min
Lab File: BE090207.D
Acq: 21 Jul 2015 19:46

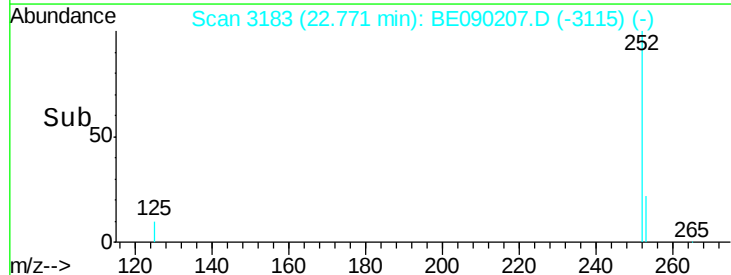
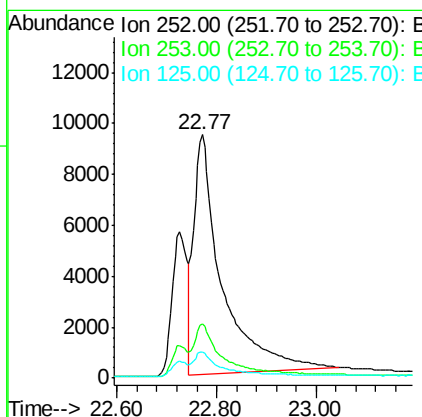
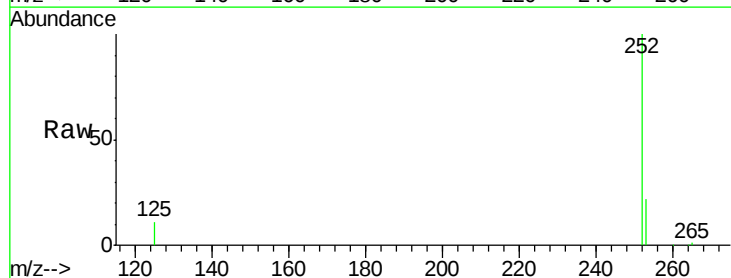
Instrument :
BNA_E
ClientSampleId :

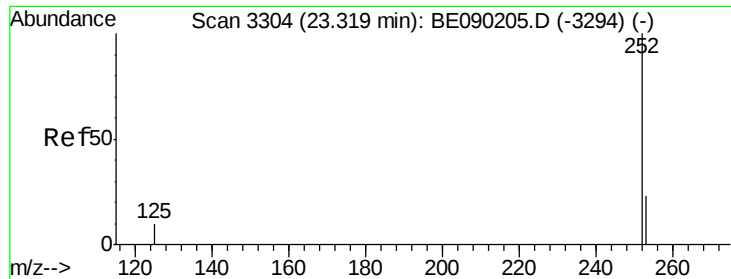
Tot Ion:252 Resp: 12113
Ion Ratio Lower Upper
252 100
253 22.5 0.0 56.8
125 11.2 0.0 37.0



#22
Benzo(k)fluoranthene
Concen: 2.01 ng/ul
RT: 22.77 min Scan# 3183
Delta R.T. 0.01 min
Lab File: BE090207.D
Acq: 21 Jul 2015 19:46

Tgt Ion:252 Resp: 36721
Ion Ratio Lower Upper
252 100
253 22.0 19.5 29.3
125 10.8 11.9 17.9#





#23

Benzo(a)pyrene

Concen: 1.73 ng/ul

RT: 23.33 min Scan# 3305

Delta R.T. 0.01 min

Lab File: BE090207.D

Acq: 21 Jul 2015 19:46

Instrument :

BNA_E

ClientSampleId :

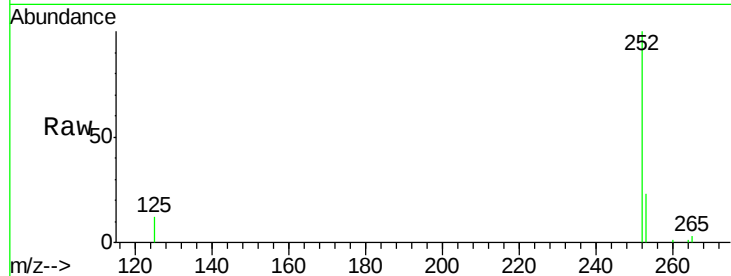
Tot Ion:252 Resp: 22620

Ion Ratio Lower Upper

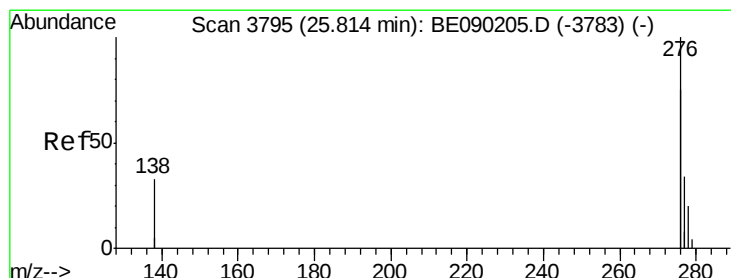
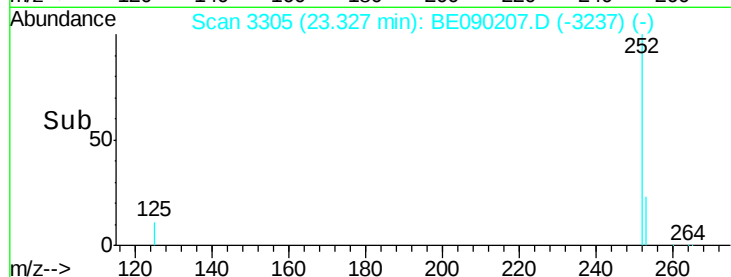
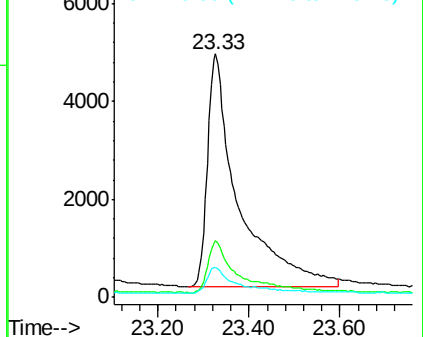
252 100

253 23.4 23.7 35.5#

125 12.2 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: 1.07 ng/ul

RT: 25.83 min Scan# 3796

Delta R.T. 0.01 min

Lab File: BE090207.D

Acq: 21 Jul 2015 19:46

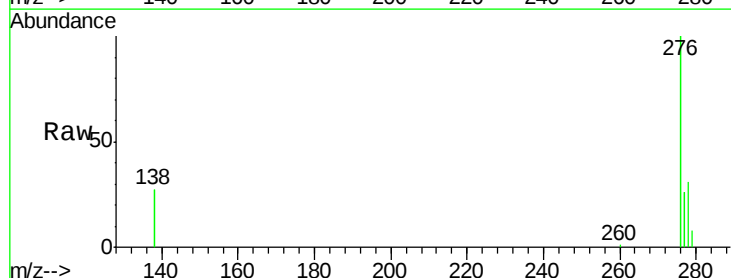
Tgt Ion:276 Resp: 63350

Ion Ratio Lower Upper

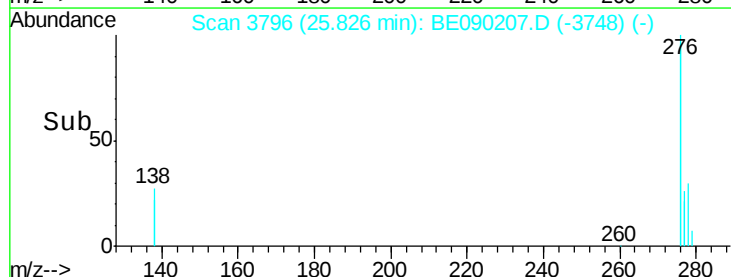
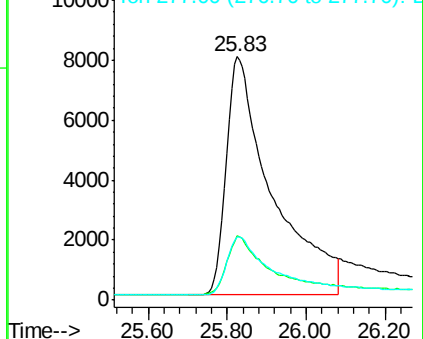
276 100

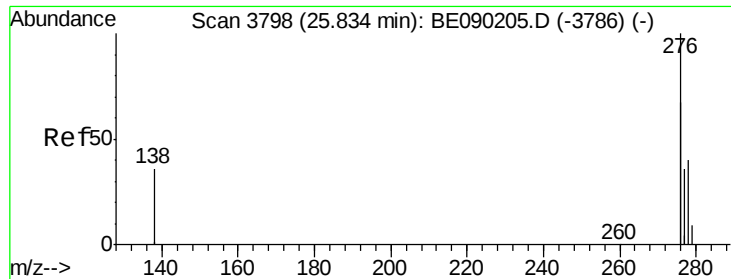
138 24.0 16.9 25.3

277 24.7 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: 0.99 ng/ul

RT: 25.84 min Scan# 3798

Delta R.T. 0.01 min

Lab File: BE090207.D

Acq: 21 Jul 2015 19:46

Instrument :

BNA_E

ClientSampleId :

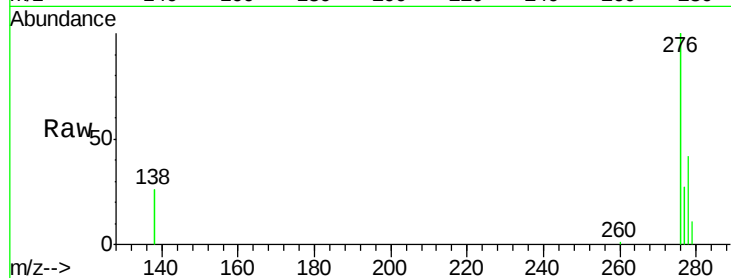
Tot Ion:278 Resp: 11228

Ion Ratio Lower Upper

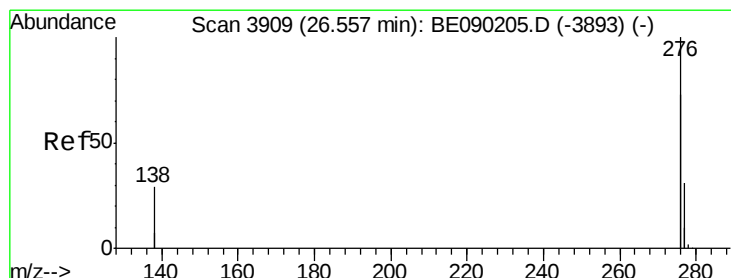
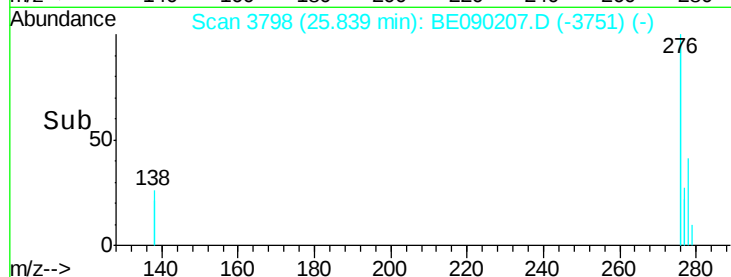
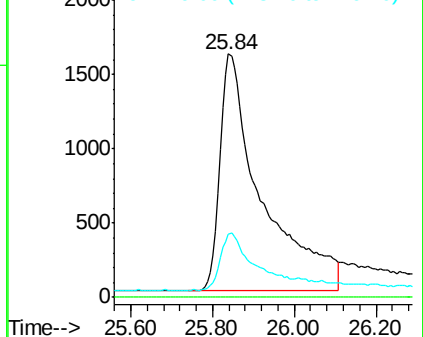
278 100

139 0.0 0.0 0.0

279 26.2 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: 1.53 ng/ul

RT: 26.56 min Scan# 3909

Delta R.T. 0.01 min

Lab File: BE090207.D

Acq: 21 Jul 2015 19:46

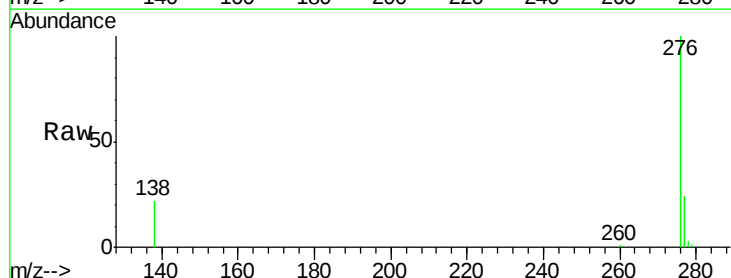
Tgt Ion:276 Resp: 83511

Ion Ratio Lower Upper

276 100

277 24.4 24.6 36.8#

138 22.4 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

