

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072215\
 Data File : BE090218.D
 Acq On : 22 Jul 2015 3:49
 Operator : TP/IZ
 Sample : MDL-01-S
 Misc : MDL-SIM-SOIL-0.15PPM
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 22 06:04:21 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 05:40:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	572	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	2909	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	1789	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	4918	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	1959	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	940	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	1705	0.37	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	4570	0.33	ng/ul	0.00

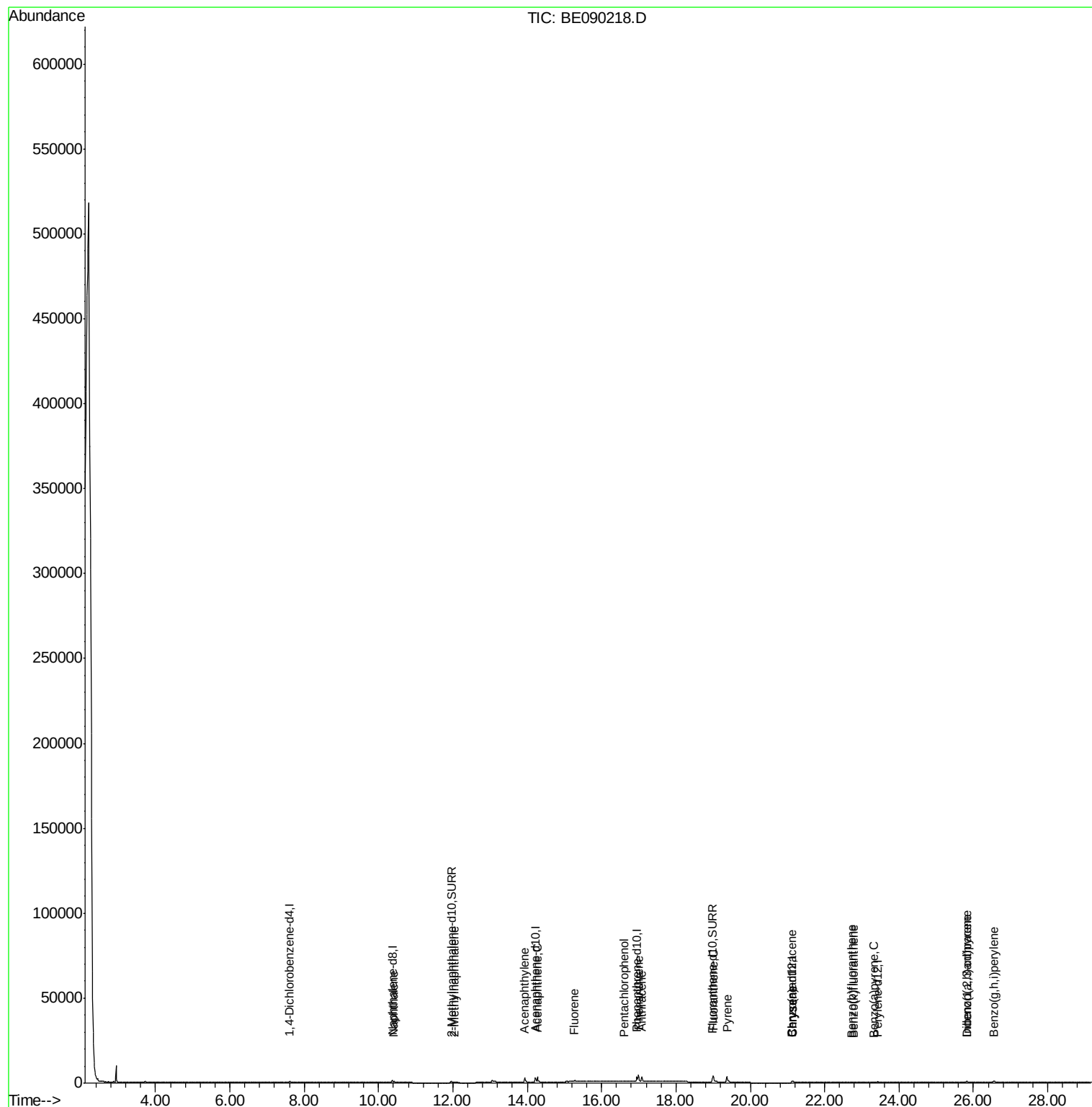
Target Compounds						Ovalue
3) Naphthalene	10.42	128	832	0.11	ng/ul#	79
5) 2-Methylnaphthalene	12.03	142	535	0.10	ng/ul	99
7) Acenaphthylene	13.93	152	3794	0.10	ng/ul#	90
8) Acenaphthene	14.27	153	2767	0.10	ng/ul	97
9) Fluorene	15.27	166	852	0.10	ng/ul#	94
11) Pentachlorophenol	16.61	266	15	0.05	ng/ul#	60
12) Phenanthrene	16.99	178	5335	0.09	ng/ul#	92
13) Anthracene	17.07	178	5207	0.10	ng/ul#	88
15) Fluoranthene	19.00	202	6232	0.10	ng/ul	88
17) Pyrene	19.37	202	6334	0.20	ng/ul#	91
18) Benzo(a)anthracene	21.10	228	283	0.09	ng/ul#	73
19) Chrysene	21.15	228	774	0.10	ng/ul#	81
21) Benzo(b)fluoranthene	22.73	252	175	0.14	ng/ul#	42
22) Benzo(k)fluoranthene	22.77	252	151	0.04	ng/ul#	36
23) Benzo(a)pyrene	23.32	252	209	0.11	ng/ul#	38
24) Indeno(1,2,3-cd)pyrene	25.81	276	657	0.12	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.84	278	113	0.13	ng/ul#	36
26) Benzo(g,h,i)perylene	26.54	276	739	0.10	ng/ul#	42

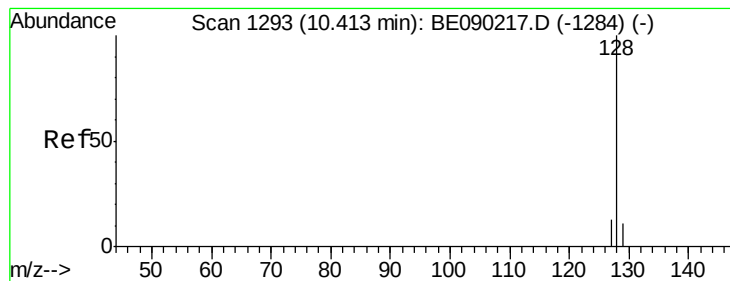
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072215\
Data File : BE090218.D
Acq On : 22 Jul 2015 3:49
Operator : TP/IZ
Sample : MDL-01-S
Misc : MDL-SIM-SOIL-0.15PPM
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Jul 22 06:04:21 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 05:40:44 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.11 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BE090218.D

Acq: 22 Jul 2015 3:49

Instrument :

BNA_E

ClientSampled :

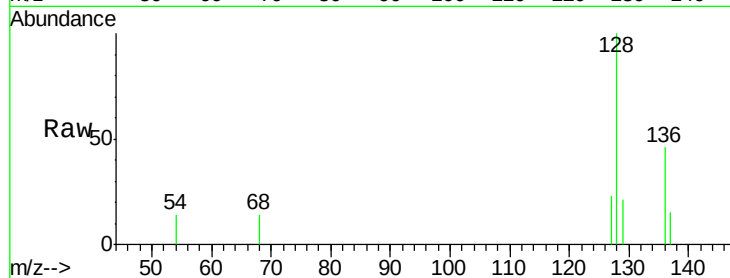
Tot Ion:128 Resp: 832

Ion Ratio Lower Upper

128 100

129 21.5 10.2 15.2#

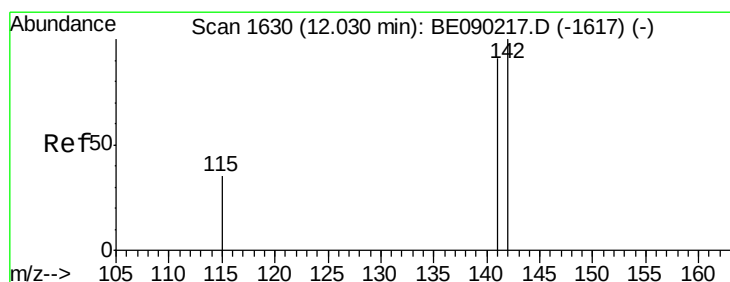
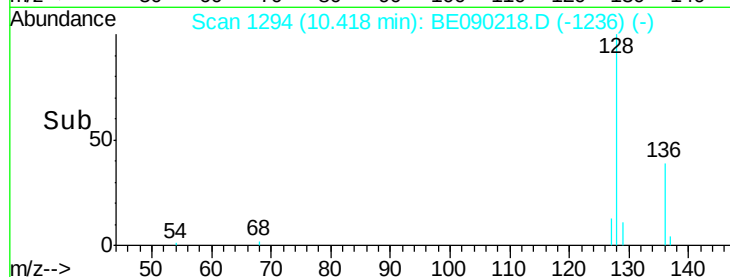
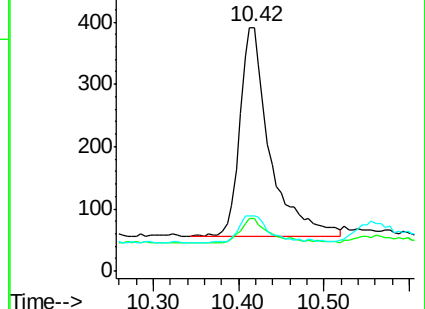
127 22.8 11.8 17.6#



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: 0.10 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE090218.D

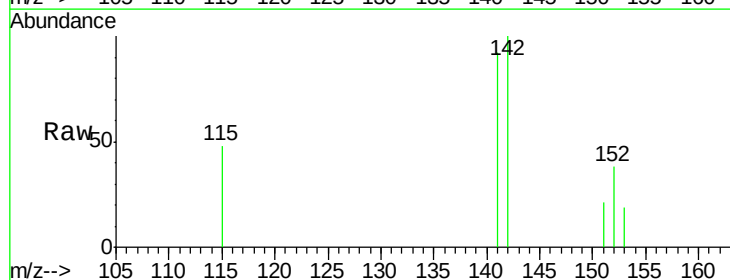
Acq: 22 Jul 2015 3:49

Tgt Ion:142 Resp: 535

Ion Ratio Lower Upper

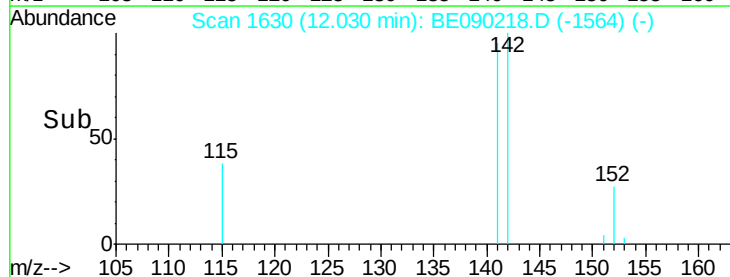
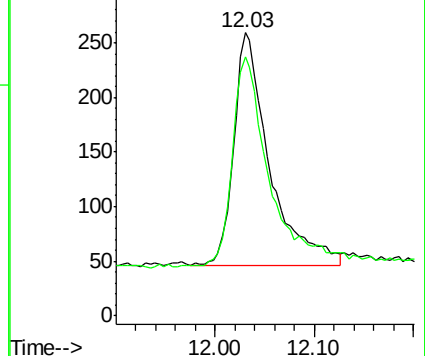
142 100

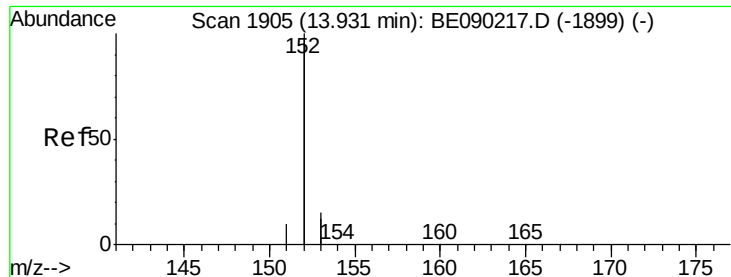
141 90.3 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.10 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BE090218.D

Acq: 22 Jul 2015 3:49

Instrument :

BNA_E

ClientSampleId :

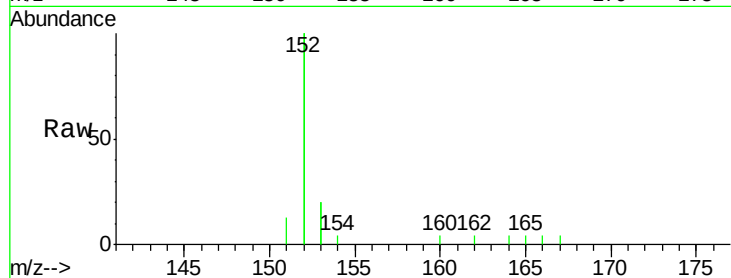
Tot Ion:152 Resp: 3794

Ion Ratio Lower Upper

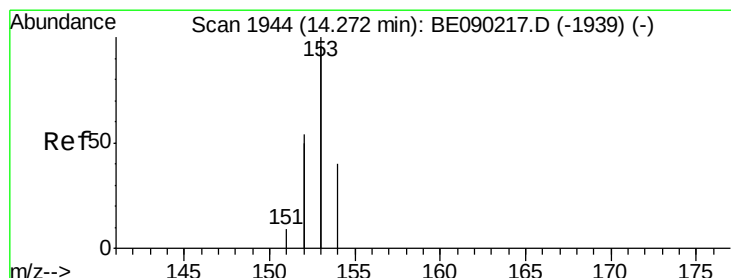
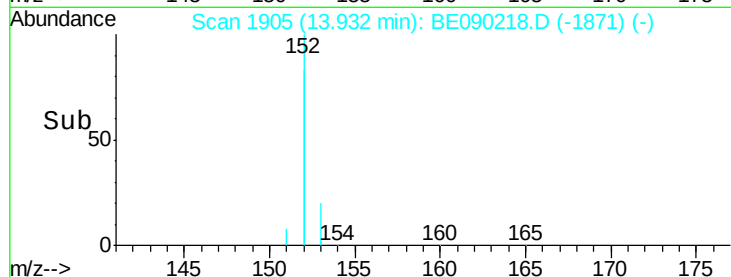
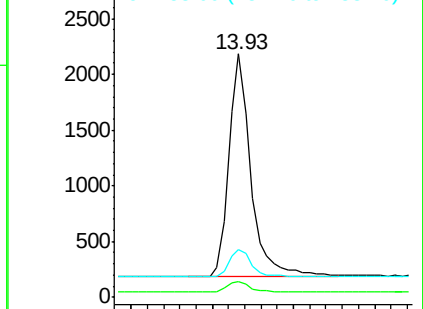
152 100

151 6.3 4.2 6.4

153 19.5 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: 0.10 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BE090218.D

Acq: 22 Jul 2015 3:49

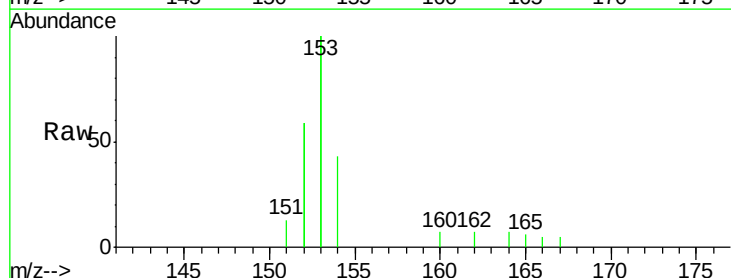
Tgt Ion:153 Resp: 2767

Ion Ratio Lower Upper

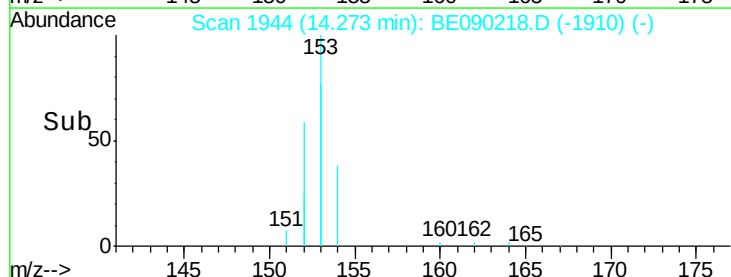
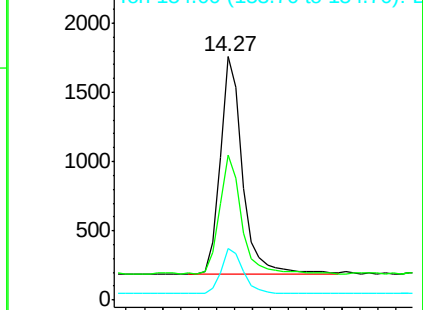
153 100

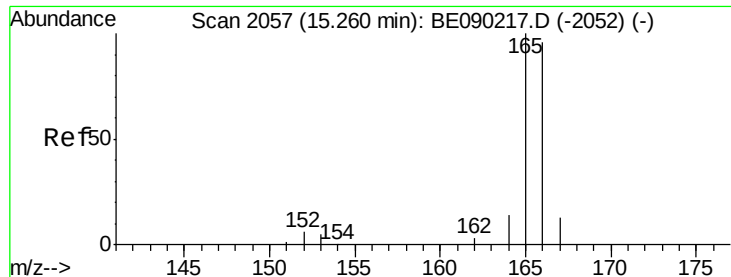
152 59.4 45.0 67.4

154 21.4 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: 0.10 ng/ul

RT: 15.27 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BE090218.D

Acq: 22 Jul 2015 3:49

Instrument :

BNA_E

ClientSampleId :

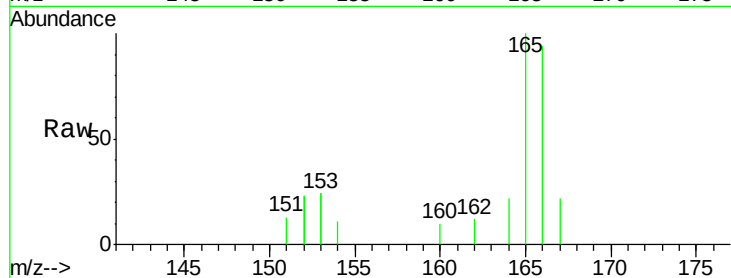
Tot Ion:166 Resp: 852

Ion Ratio Lower Upper

166 100

165 106.2 81.9 122.9

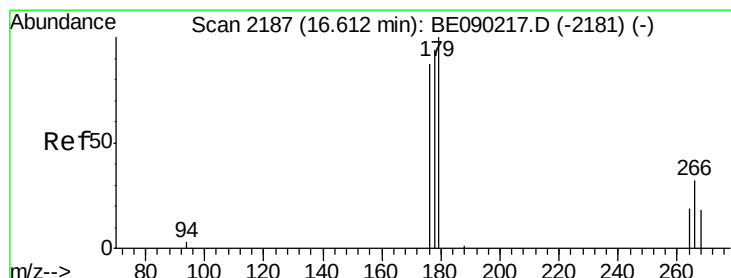
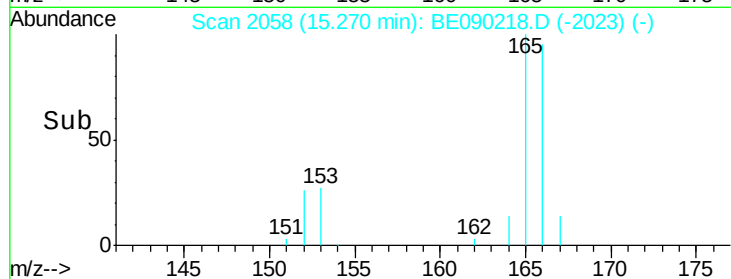
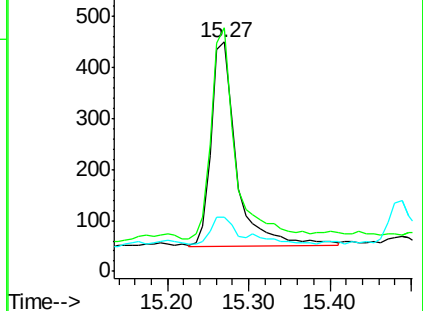
167 23.8 12.2 18.2#



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: 0.05 ng/ul

RT: 16.61 min Scan# 2187

Delta R.T. 0.00 min

Lab File: BE090218.D

Acq: 22 Jul 2015 3:49

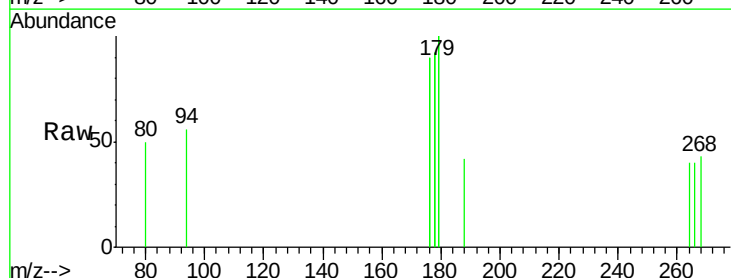
Tgt Ion:266 Resp: 15

Ion Ratio Lower Upper

266 100

264 33.3 51.6 77.4#

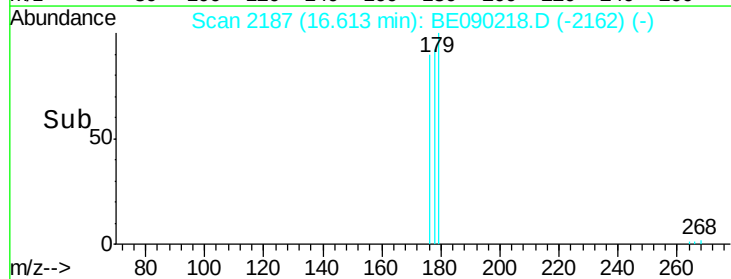
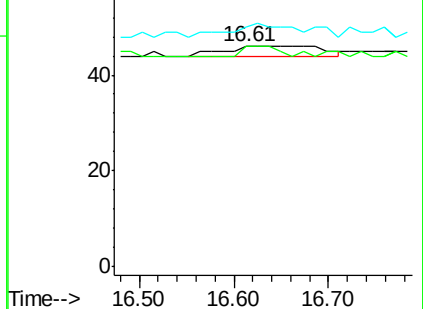
268 80.0 41.3 61.9#

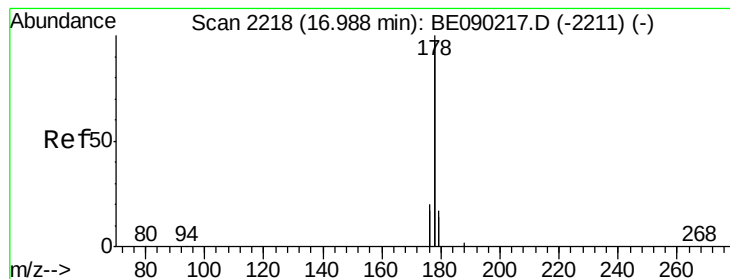


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.09 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.00 min

Lab File: BE090218.D

Acq: 22 Jul 2015 3:49

Instrument :

BNA_E

ClientSampleId :

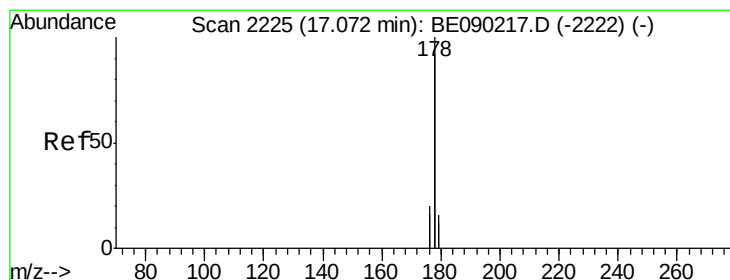
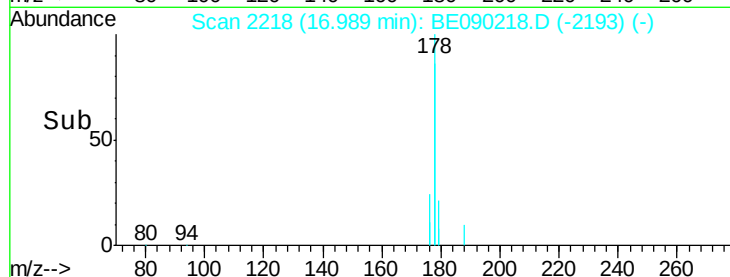
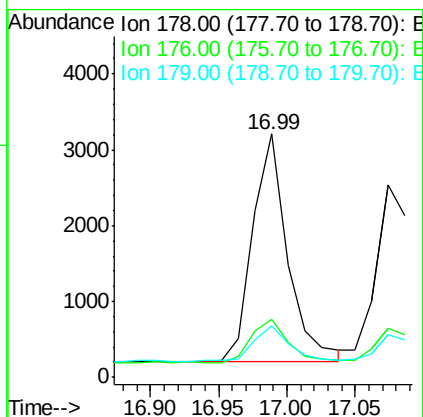
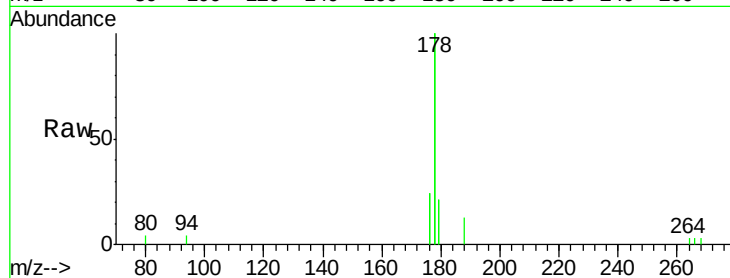
Tot Ion:178 Resp: 5335

Ion Ratio Lower Upper

178 100

176 24.0 17.6 26.4

179 21.2 12.2 18.4#



#13

Anthracene

Concen: 0.10 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE090218.D

Acq: 22 Jul 2015 3:49

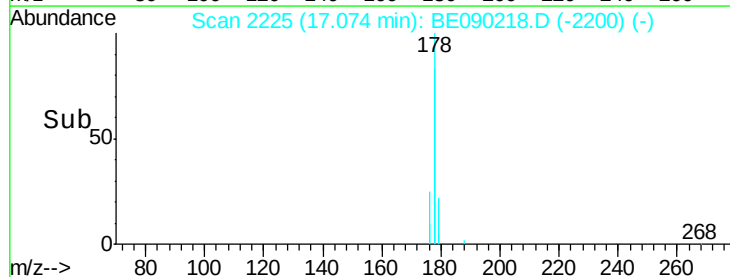
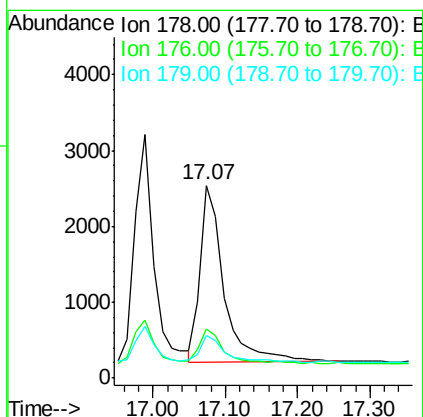
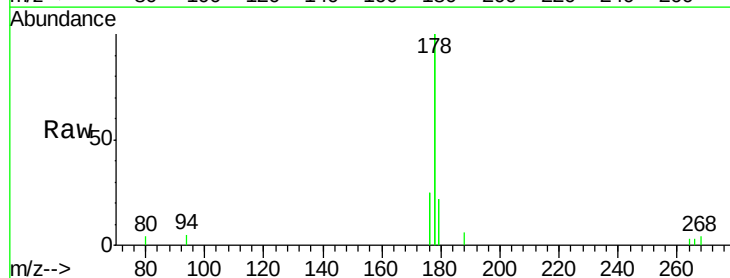
Tgt Ion:178 Resp: 5207

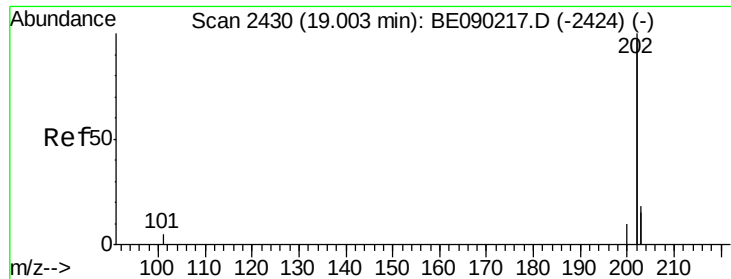
Ion Ratio Lower Upper

178 100

176 25.4 15.9 23.9#

179 22.1 13.3 19.9#

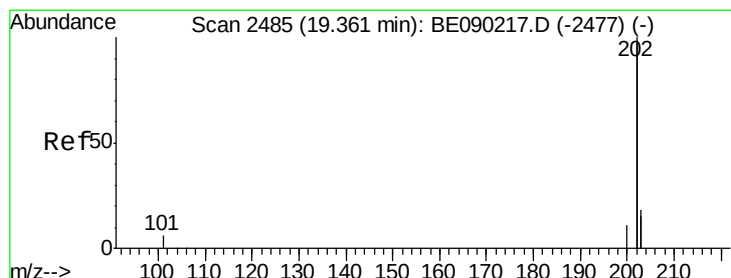
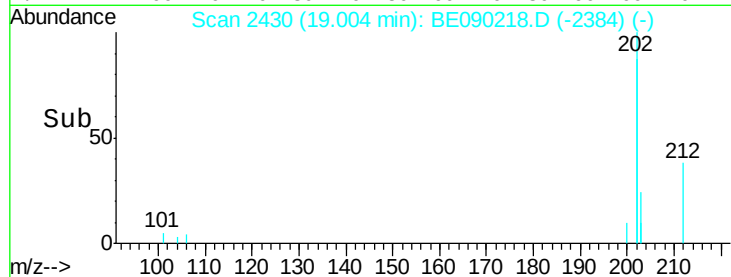
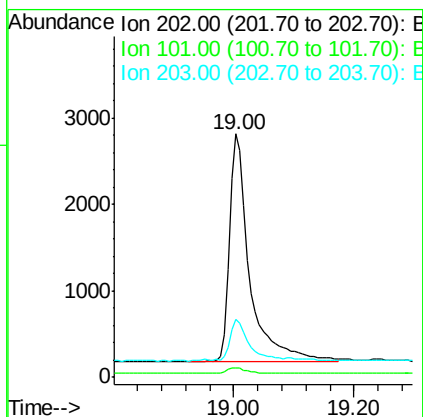
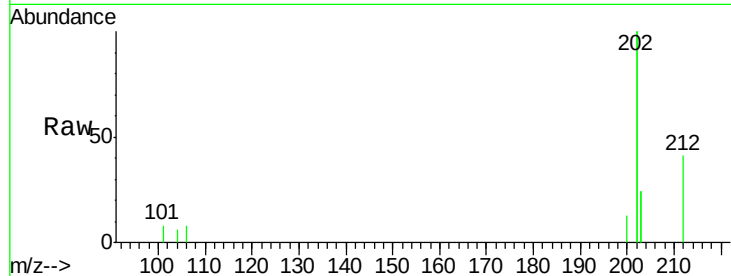




#15
Fluoranthene
 Concen: 0.10 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: BE090218.D
 Acq: 22 Jul 2015 3:49

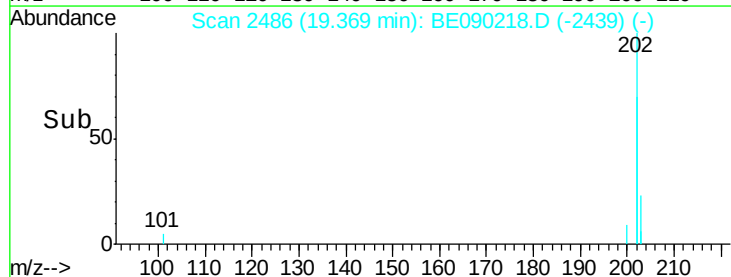
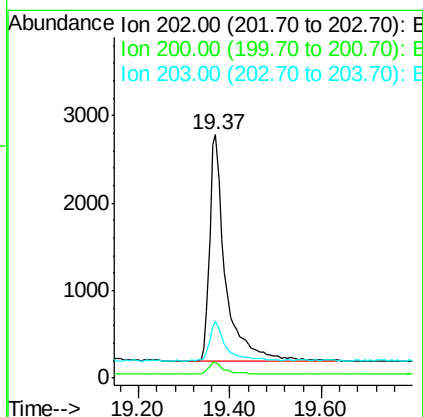
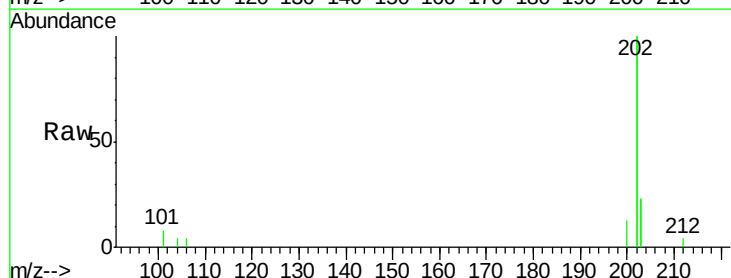
Instrument :
 BNA_E
 ClientSampleId :

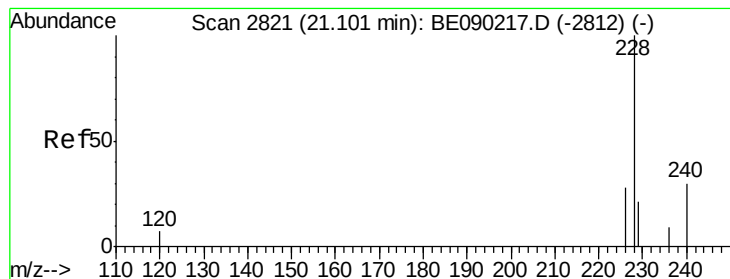
Tot Ion:202 Resp: 6232
 Ion Ratio Lower Upper
 202 100
 101 4.0 0.0 23.0
 203 23.7 0.0 37.8



#17
Pyrene
 Concen: 0.20 ng/ul
 RT: 19.37 min Scan# 2486
 Delta R.T. 0.01 min
 Lab File: BE090218.D
 Acq: 22 Jul 2015 3:49

Tgt Ion:202 Resp: 6334
 Ion Ratio Lower Upper
 202 100
 200 6.5 4.4 6.6
 203 23.3 14.6 22.0#





#18

Benzo(a)anthracene

Concen: 0.09 ng/ul

RT: 21.10 min Scan# 2820

Delta R.T. -0.00 min

Lab File: BE090218.D

Acq: 22 Jul 2015 3:49

Instrument :

BNA_E

ClientSampleId :

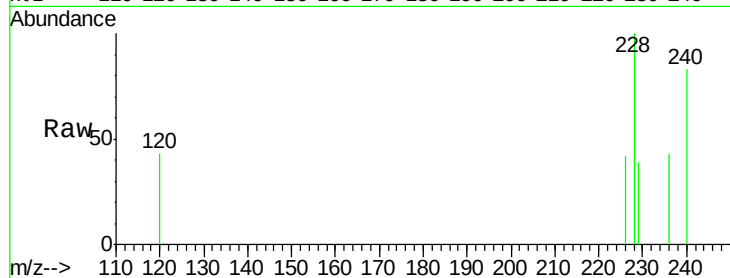
Tot Ion:228 Resp: 283

Ion Ratio Lower Upper

228 100

226 42.3 24.1 36.1#

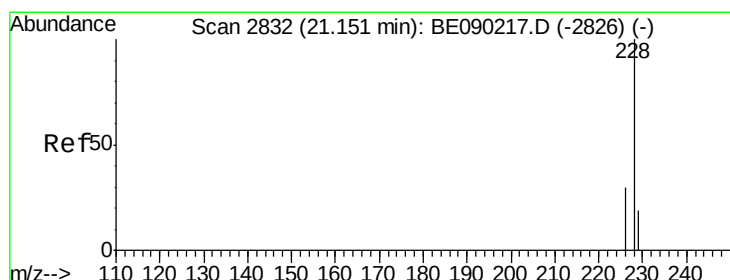
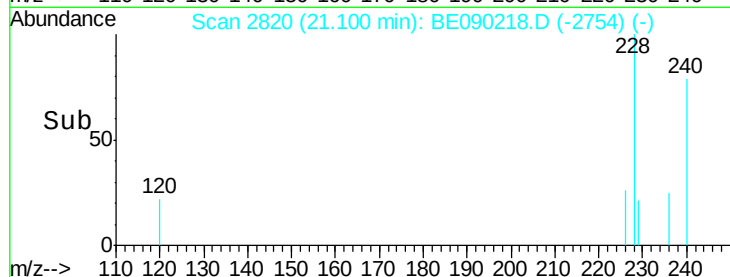
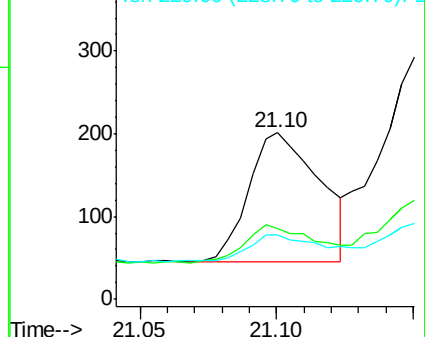
229 38.8 17.9 26.9#



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: 0.10 ng/ul

RT: 21.15 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE090218.D

Acq: 22 Jul 2015 3:49

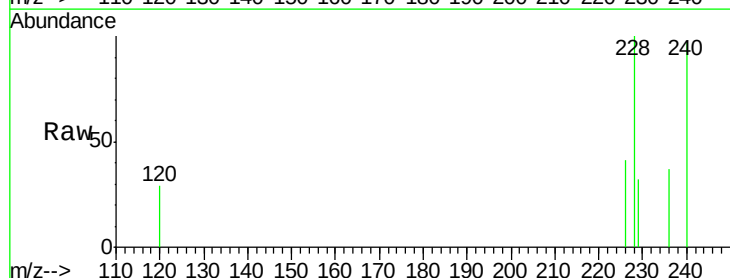
Tgt Ion:228 Resp: 774

Ion Ratio Lower Upper

228 100

226 40.8 24.6 36.8#

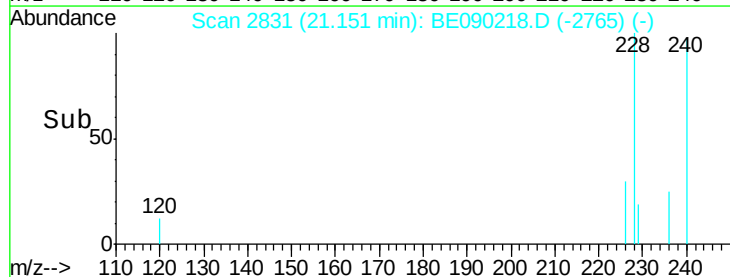
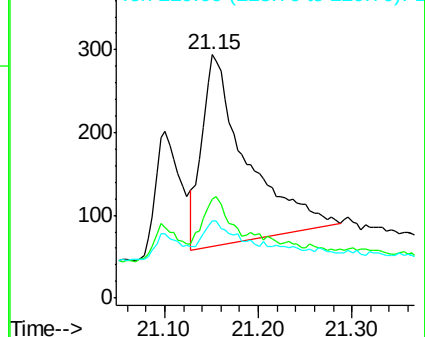
229 31.6 17.4 26.2#

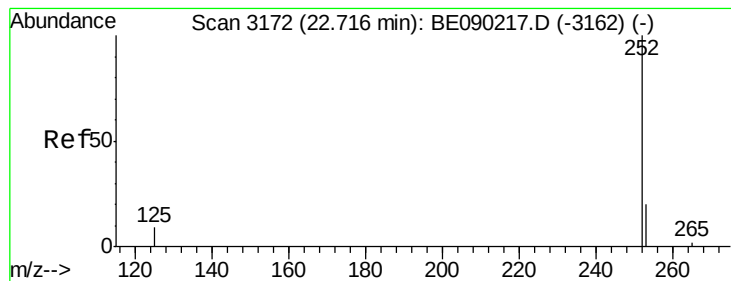


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.14 ng/ul

RT: 22.73 min Scan# 3174

Delta R.T. 0.01 min

Lab File: BE090218.D

Acq: 22 Jul 2015 3:49

Instrument :

BNA_E

ClientSampleId :

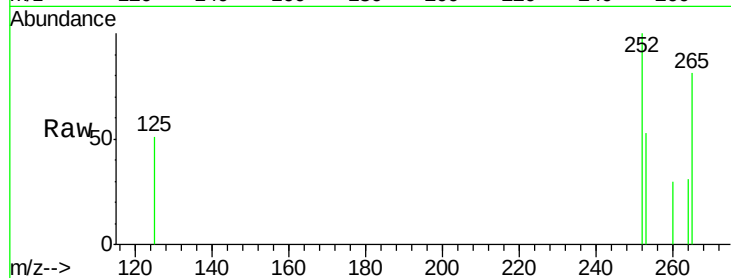
Tot Ion:252 Resp: 175

Ion Ratio Lower Upper

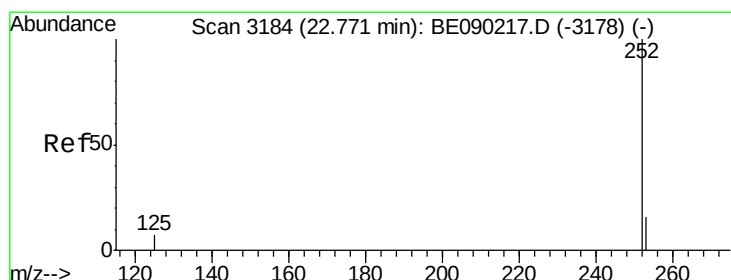
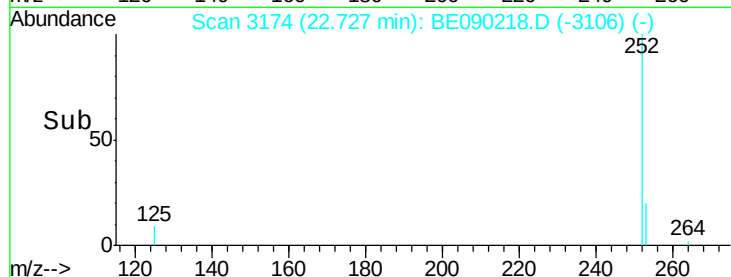
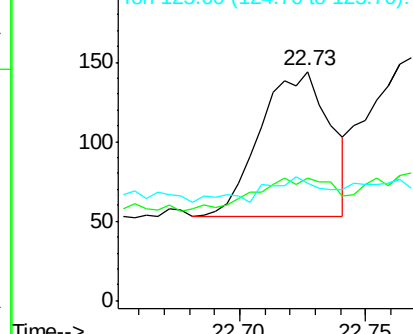
252 100

253 53.5 0.0 56.8

125 51.4 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: 0.04 ng/ul

RT: 22.77 min Scan# 3183

Delta R.T. -0.00 min

Lab File: BE090218.D

Acq: 22 Jul 2015 3:49

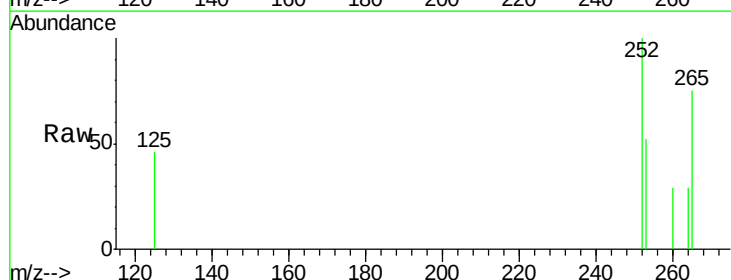
Tgt Ion:252 Resp: 151

Ion Ratio Lower Upper

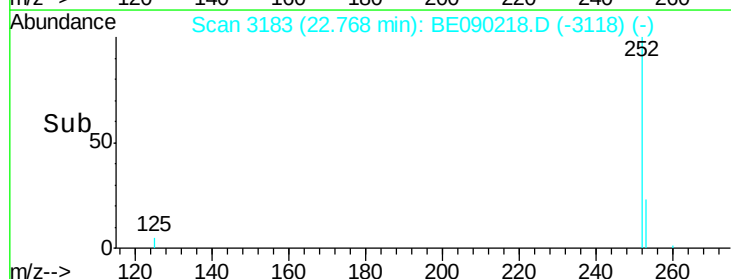
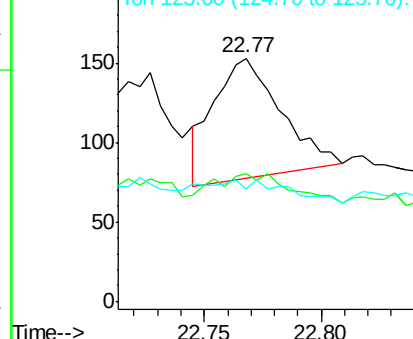
252 100

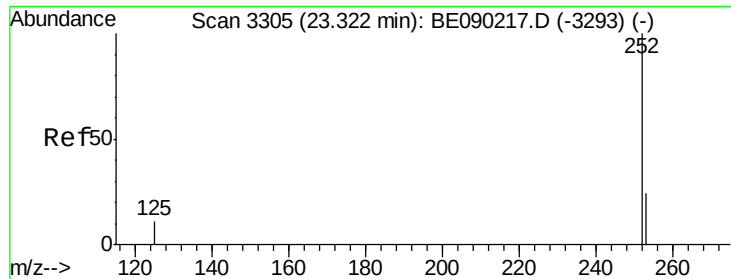
253 52.3 19.5 29.3#

125 46.4 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: 0.11 ng/ul

RT: 23.32 min Scan# 3304

Delta R.T. -0.00 min

Lab File: BE090218.D

Acq: 22 Jul 2015 3:49

Instrument :

BNA_E

ClientSampleId :

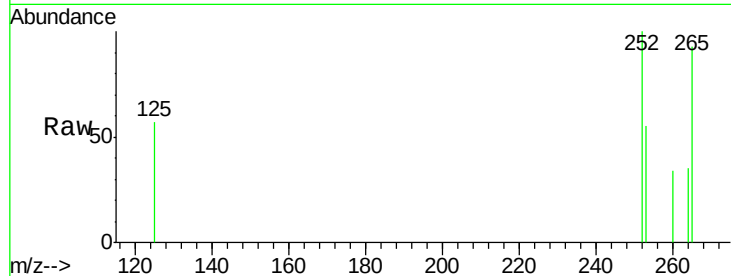
Tot Ion:252 Resp: 209

Ion Ratio Lower Upper

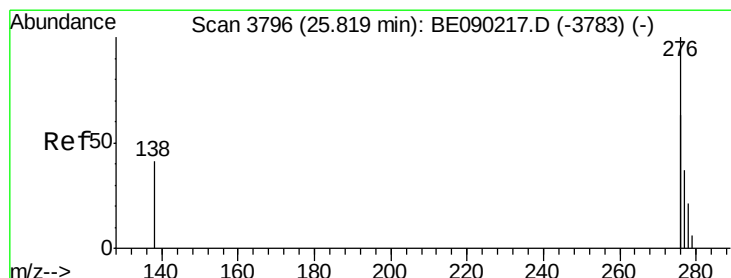
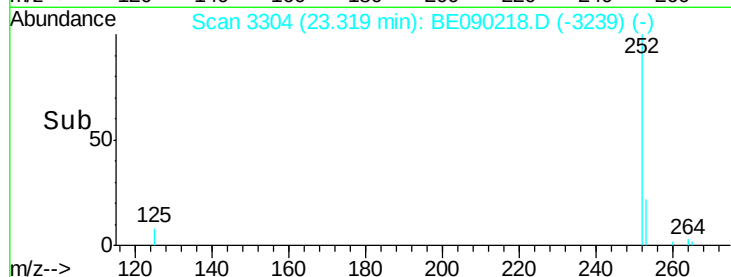
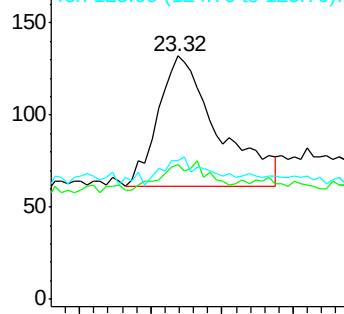
252 100

253 55.3 23.7 35.5#

125 56.8 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: 0.12 ng/ul

RT: 25.81 min Scan# 3795

Delta R.T. -0.01 min

Lab File: BE090218.D

Acq: 22 Jul 2015 3:49

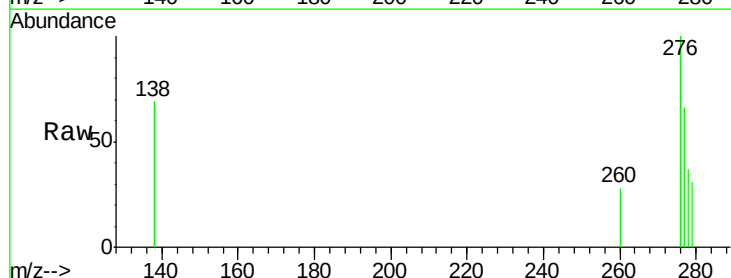
Tgt Ion:276 Resp: 657

Ion Ratio Lower Upper

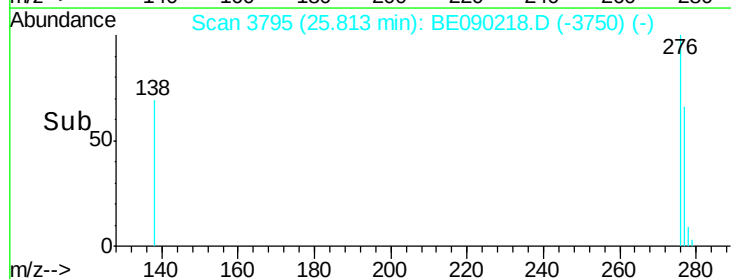
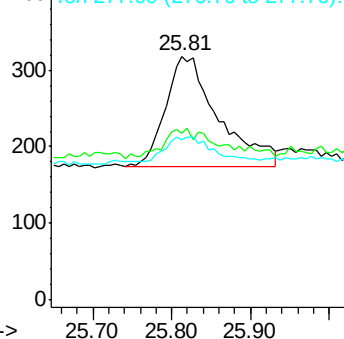
276 100

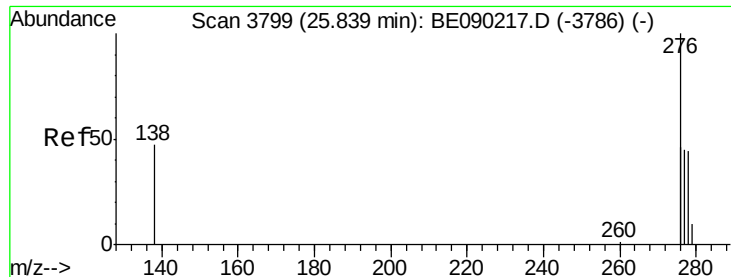
138 15.5 16.9 25.3#

277 22.2 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

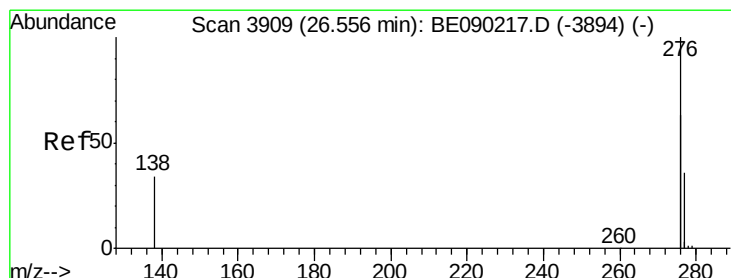
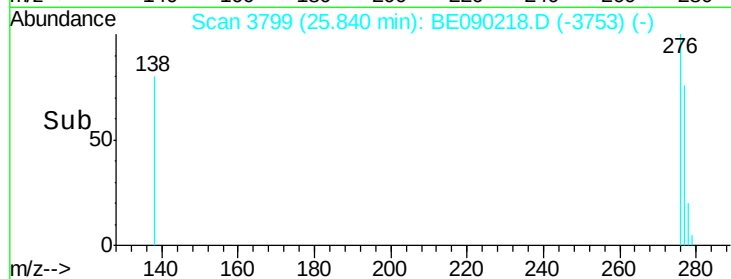
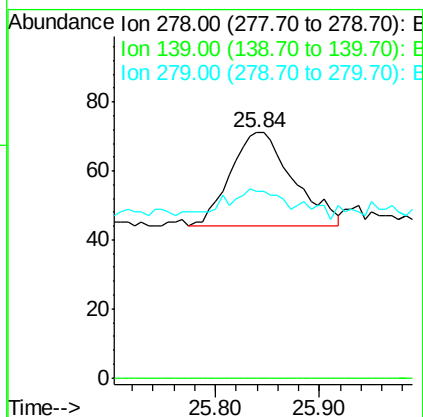
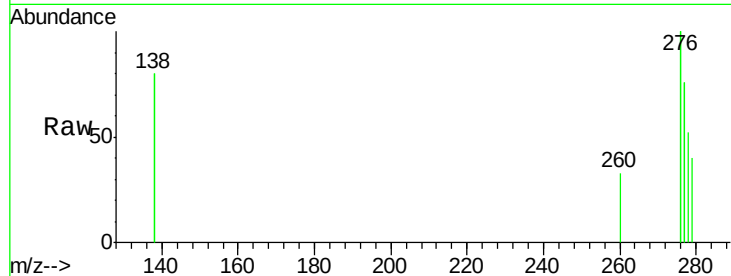




#25
Dibenzo(a,h)anthracene
Concen: 0.13 ng/ul
RT: 25.84 min Scan# 3799
Delta R.T. 0.00 min
Lab File: BE090218.D
Acq: 22 Jul 2015 3:49

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 113
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 76.1 30.1 45.1#



#26
Benzo(g,h,i)perylene
Concen: 0.10 ng/ul
RT: 26.54 min Scan# 3907
Delta R.T. -0.01 min
Lab File: BE090218.D
Acq: 22 Jul 2015 3:49

Tgt Ion:276 Resp: 739
Ion Ratio Lower Upper
276 100
277 60.7 24.6 36.8#
138 62.4 23.5 35.3#

