

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
 Data File : BE091081.D
 Acq On : 6 Nov 2015 9:03
 Operator : UM/NP
 Sample : G4273-01DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AN6DL

Quant Time: Nov 09 05:52:01 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 09 05:49:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	3024	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	16400	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	9607	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	23728	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	30022	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	33585	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.96	96	4316	1.98	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.08	152	1638	0.07	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	5142	0.08	ng/ul	0.00

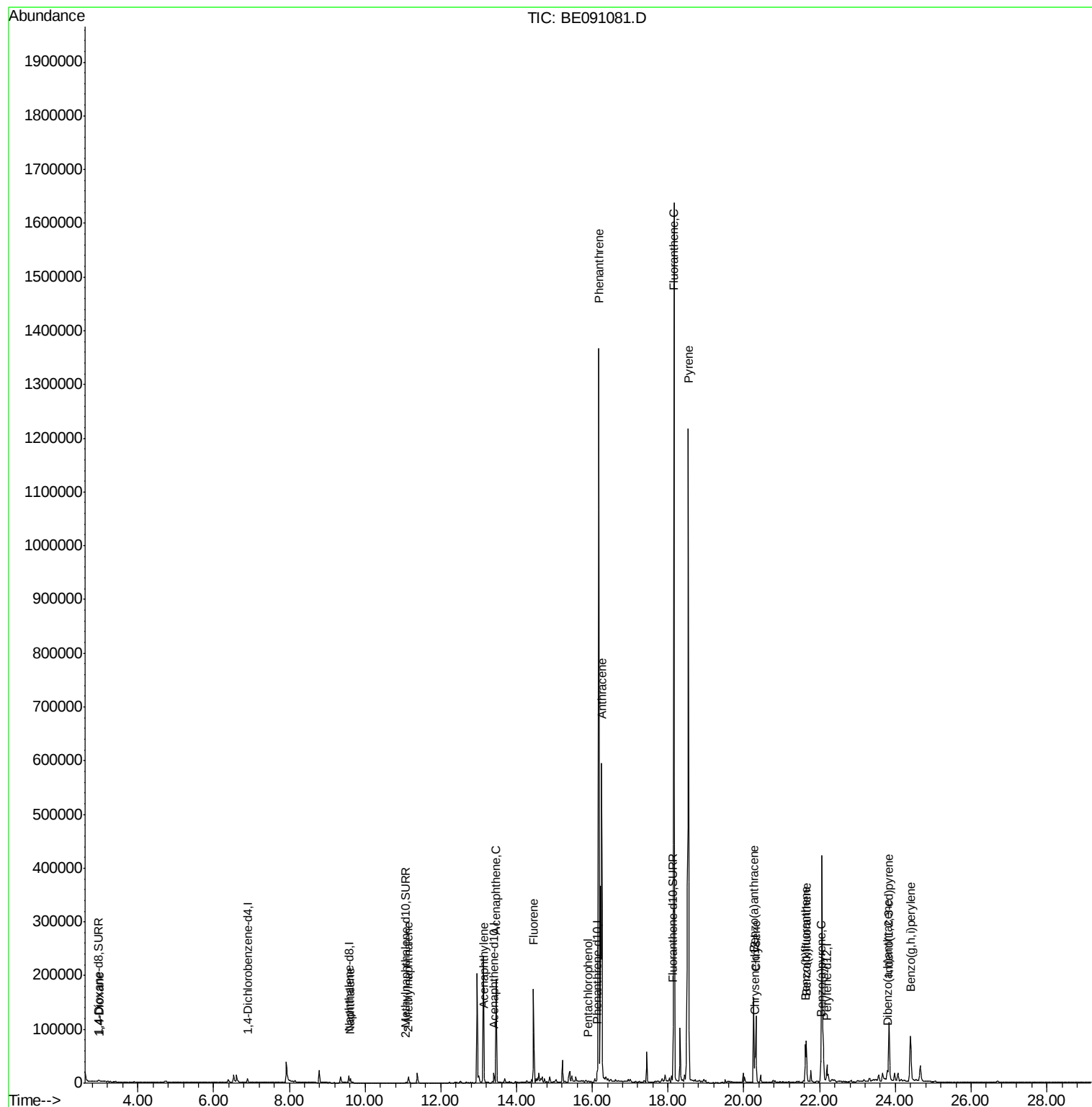
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.99	88	89	0.04	ng/ul#	1
5) Naphthalene	9.61	128	9094	0.22	ng/ul	98
7) 2-Methylnaphthalene	11.14	142	8594	0.33	ng/ul	99
9) Acenaphthylene	13.15	152	8422	0.18	ng/ul	99
10) Acenaphthene	13.46	153	100439	3.06	ng/ul	93
11) Fluorene	14.45	166	103004	2.44	ng/ul	94
13) Pentachlorophenol	15.89	266	169	0.07	ng/ul	94
14) Phenanthrene	16.17	178	1509791	5.51	ng/ul	96
15) Anthracene	16.25	178	589993	2.37	ng/ul	99
17) Fluoranthene	18.15	202	1667107	5.20	ng/ul	90
19) Pyrene	18.54	202	1178596	3.46	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	123349	1.60	ng/ul	96
21) Chrysene	20.32	228	109534	1.23	ng/ul	98
23) Benzo(b)fluoranthene	21.63	252	68406	0.65	ng/ul	94
24) Benzo(k)fluoranthene	21.65	252	77940	0.72	ng/ul	95
25) Benzo(a)pyrene	22.03	252	41933	0.43	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.83	276	168242	0.41	ng/ul#	86
27) Dibenzo(a,h)anthracene	23.79	278	15367	0.16	ng/ul#	74
28) Benzo(g,h,i)perylene	24.40	276	143886	0.34	ng/ul	94

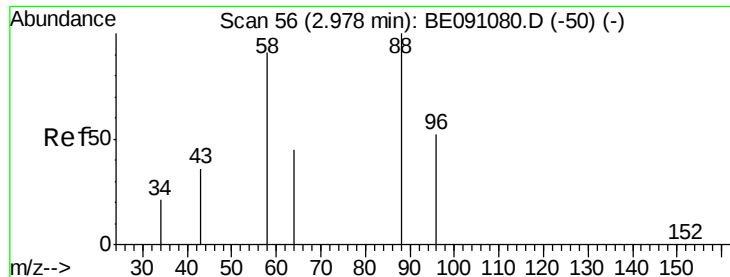
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.04 ng/ul

RT: 2.99 min Scan# 58

Delta R.T. 0.01 min

Lab File: BE091081.D

Acq: 6 Nov 2015 9:03

Instrument :

BNA_E

ClientSampleId :

C0AN6DL

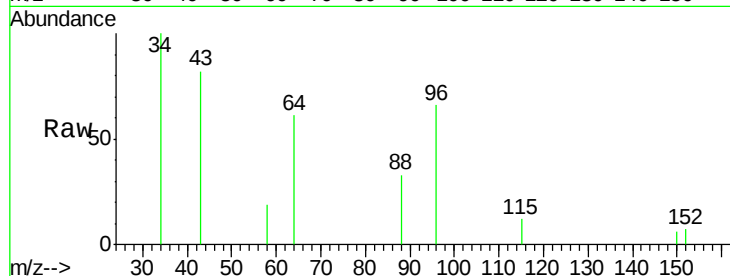
Tgt Ion: 88 Resp: 89

Ion Ratio Lower Upper

88 100

58 33.7 55.4 83.2#

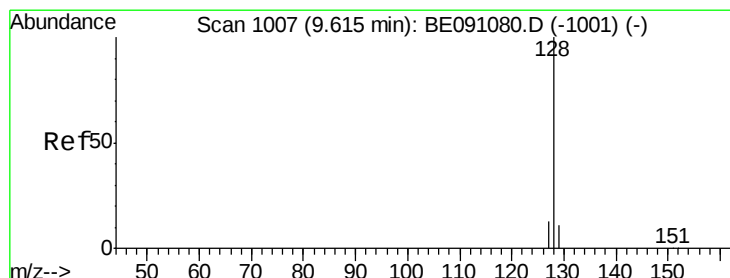
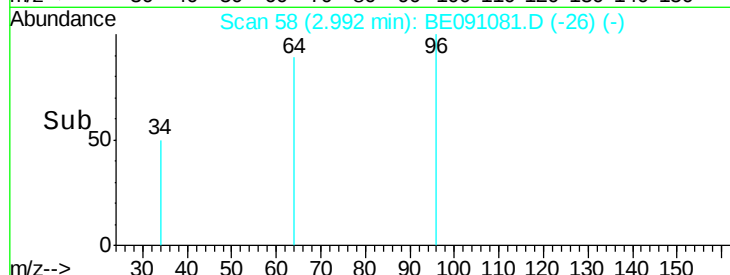
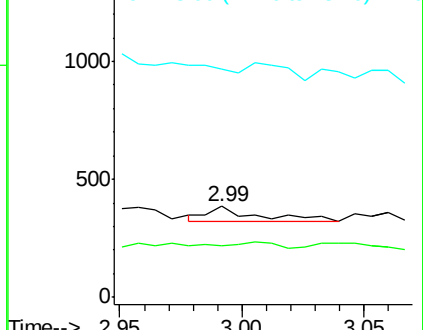
43 565.2 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



#5

Naphthalene

Concen: 0.22 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BE091081.D

Acq: 6 Nov 2015 9:03

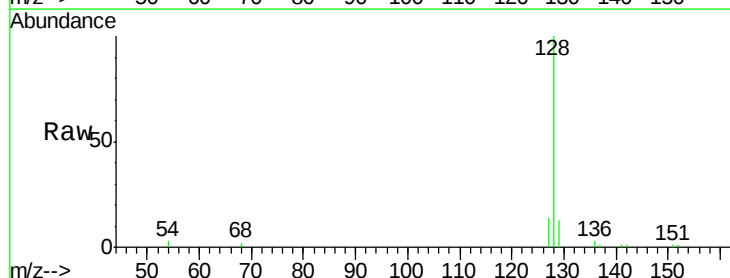
Tgt Ion: 128 Resp: 9094

Ion Ratio Lower Upper

128 100

129 13.1 9.8 14.8

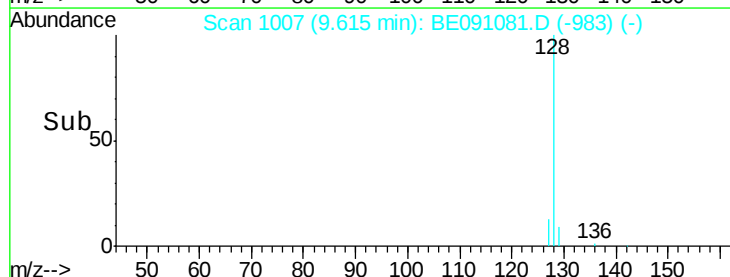
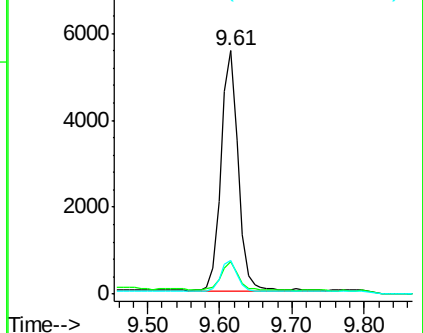
127 14.1 10.7 16.1

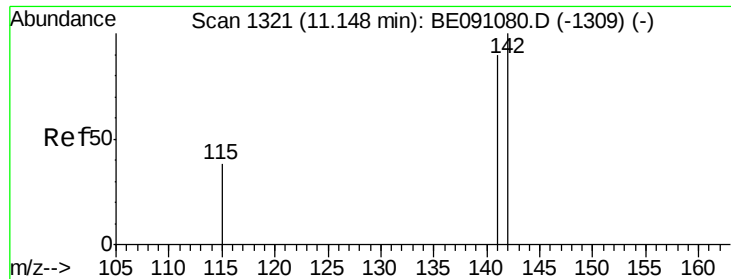


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.33 ng/ul

RT: 11.14 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BE091081.D

Acq: 6 Nov 2015 9:03

Instrument :

BNA_E

ClientSampleId :

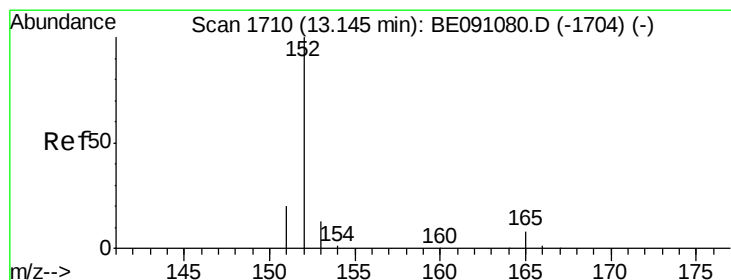
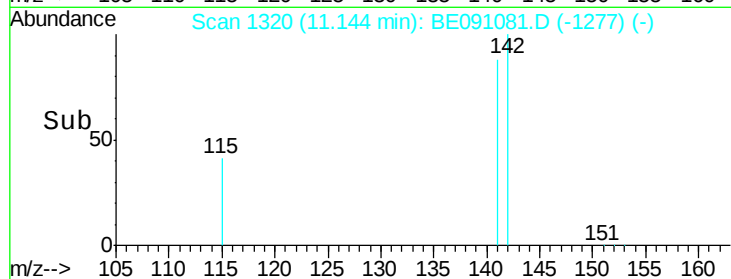
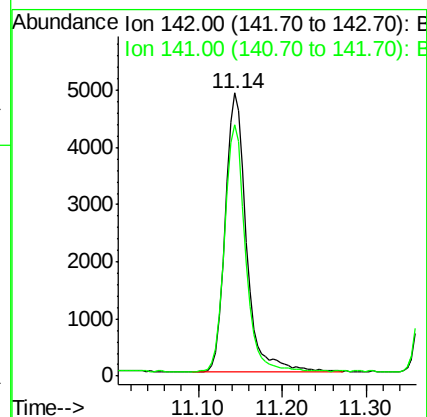
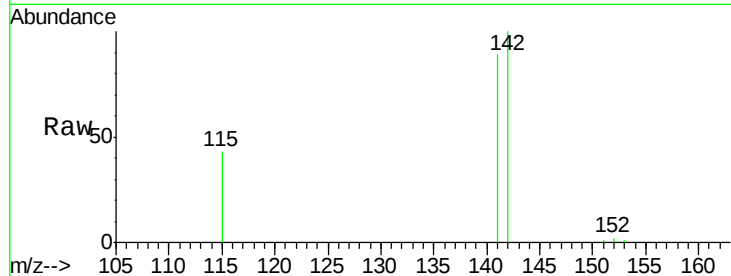
COAN6DL

Tgt Ion:142 Resp: 8594

Ion Ratio Lower Upper

142 100

141 86.9 70.3 105.5



#9

Acenaphthylene

Concen: 0.18 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE091081.D

Acq: 6 Nov 2015 9:03

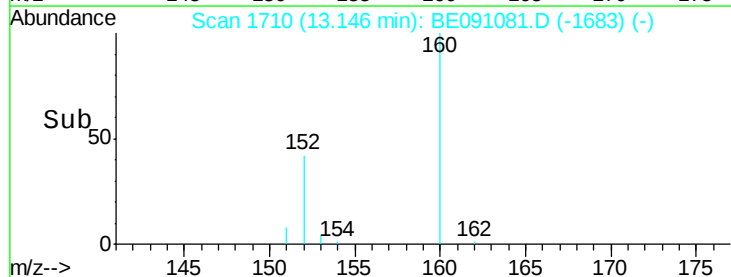
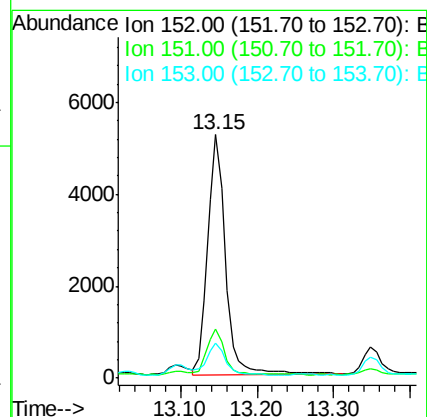
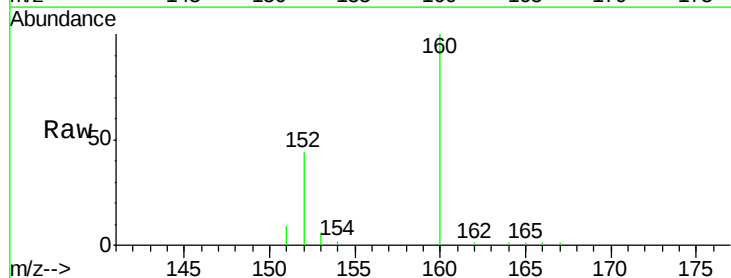
Tgt Ion:152 Resp: 8422

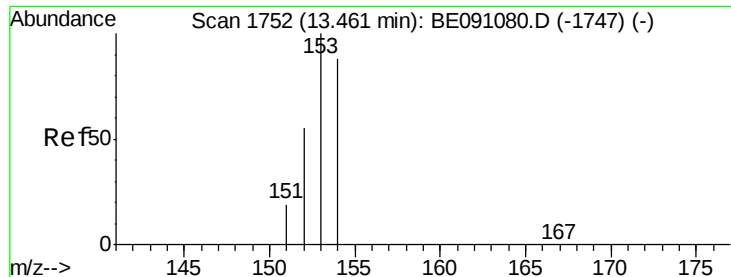
Ion Ratio Lower Upper

152 100

151 20.3 16.8 25.2

153 14.5 11.3 16.9





#10

Acenaphthene

Concen: 3.06 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BE091081.D

Acq: 6 Nov 2015 9:03

Instrument :

BNA_E

ClientSampleId :

C0AN6DL

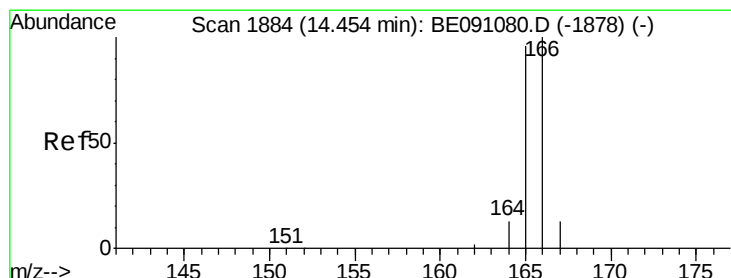
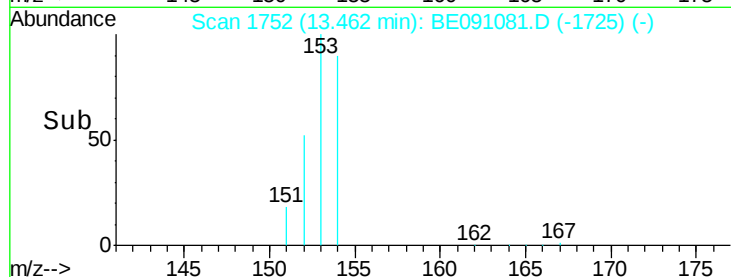
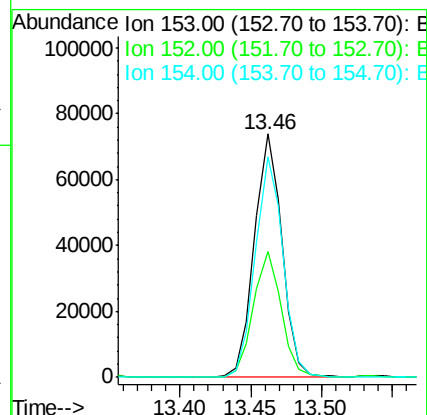
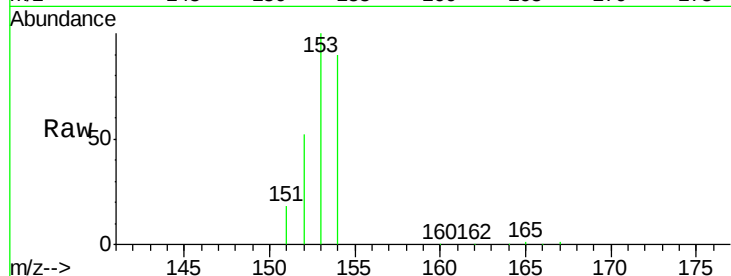
Tgt Ion:153 Resp: 100439

Ion Ratio Lower Upper

153 100

152 51.8 42.3 63.5

154 90.4 64.7 97.1



#11

Fluorene

Concen: 2.44 ng/ul

RT: 14.45 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BE091081.D

Acq: 6 Nov 2015 9:03

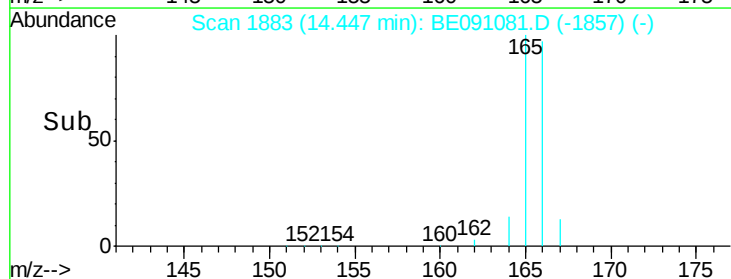
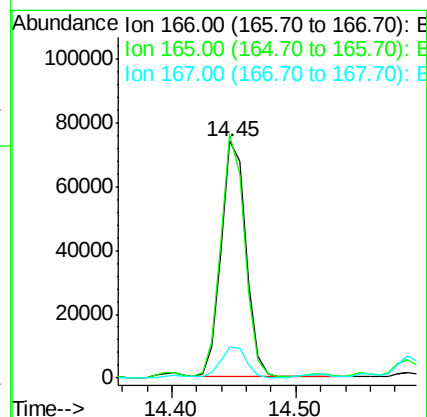
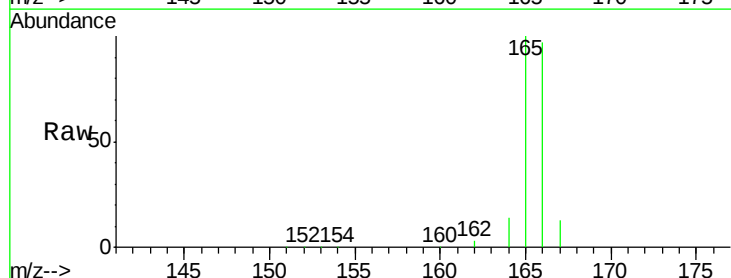
Tgt Ion:166 Resp: 103004

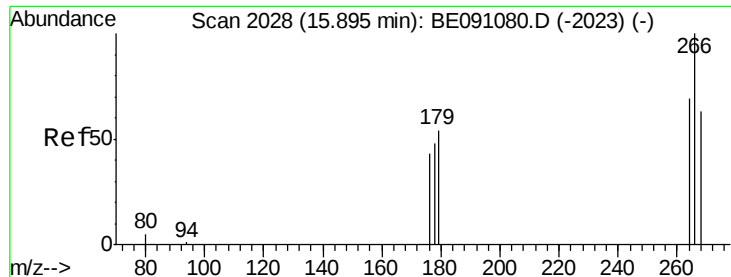
Ion Ratio Lower Upper

166 100

165 102.9 87.6 131.4

167 13.2 11.1 16.7

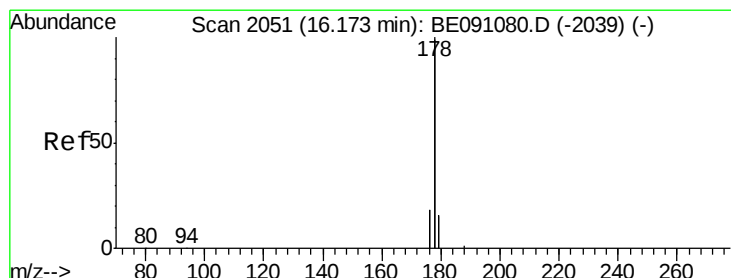
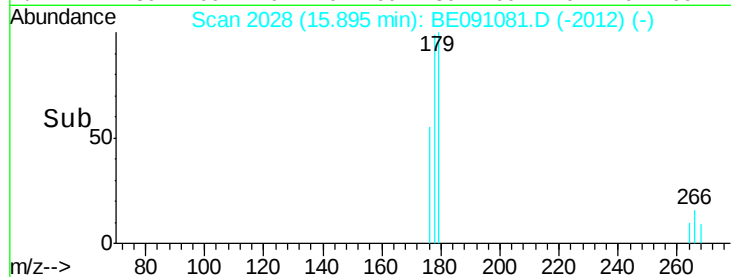
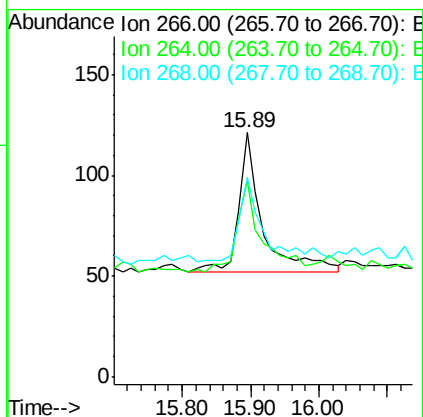
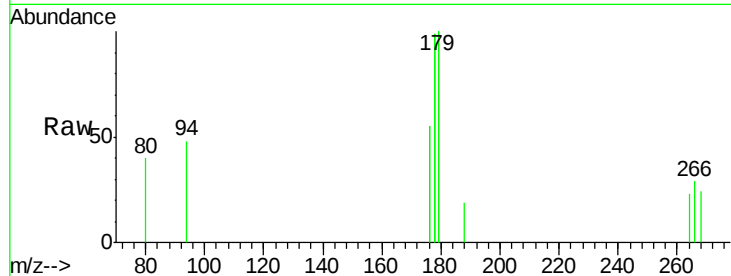




#13
 Pentachlorophenol
 Concen: 0.07 ng/ul
 RT: 15.89 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BE091081.D
 Acq: 6 Nov 2015 9:03

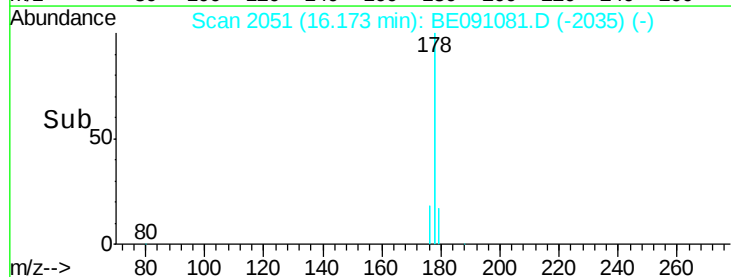
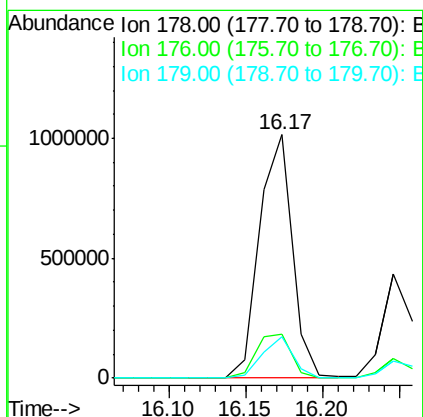
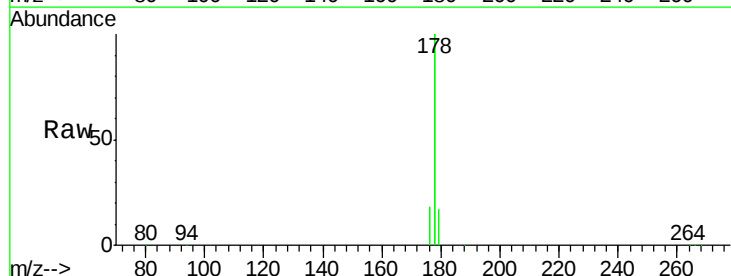
Instrument :
 BNA_E
 ClientSampleId :
 C0AN6DL

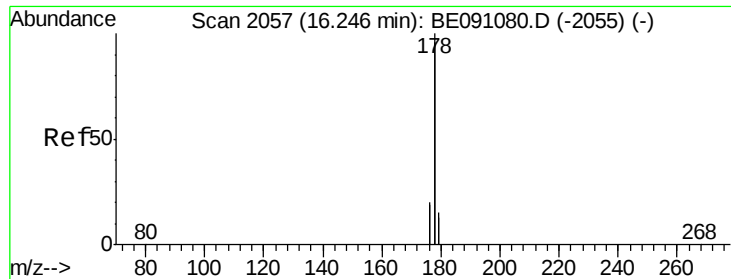
Tgt Ion: 266 Resp: 169
 Ion Ratio Lower Upper
 266 100
 264 69.8 53.5 80.3
 268 60.9 54.2 81.2



#14
 Phenanthrene
 Concen: 5.51 ng/ul
 RT: 16.17 min Scan# 2051
 Delta R.T. -0.00 min
 Lab File: BE091081.D
 Acq: 6 Nov 2015 9:03

Tgt Ion: 178 Resp: 1509791
 Ion Ratio Lower Upper
 178 100
 176 17.8 16.2 24.4
 179 16.8 12.8 19.2





#15

Anthracene

Concen: 2.37 ng/ul

RT: 16.25 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091081.D

Acq: 6 Nov 2015 9:03

Instrument :

BNA_E

ClientSampleId :

C0AN6DL

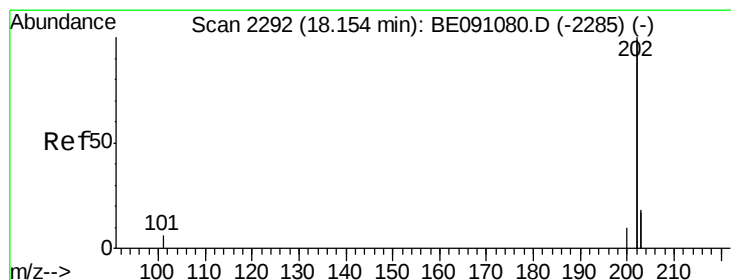
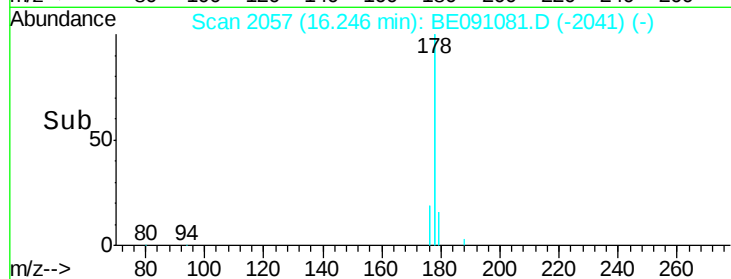
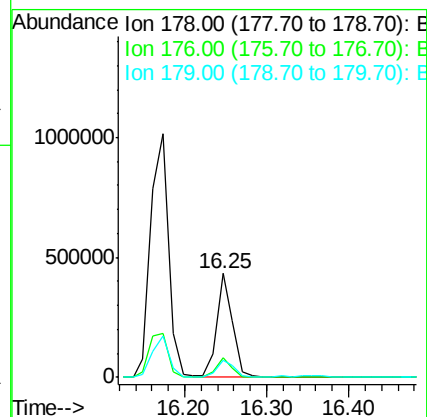
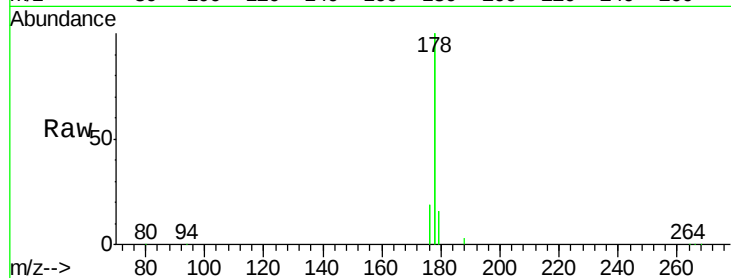
Tgt Ion:178 Resp: 589993

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

179 16.3 13.3 19.9



#17

Fluoranthene

Concen: 5.20 ng/ul

RT: 18.15 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BE091081.D

Acq: 6 Nov 2015 9:03

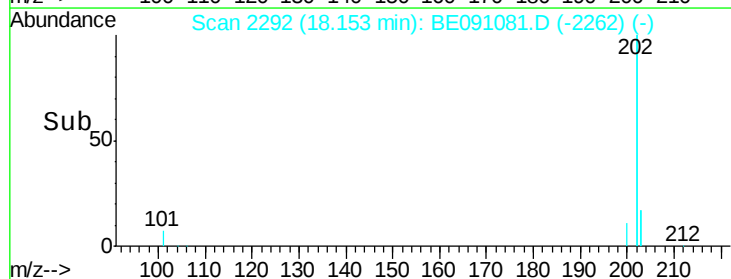
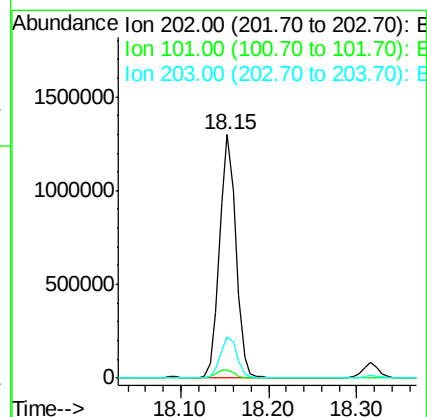
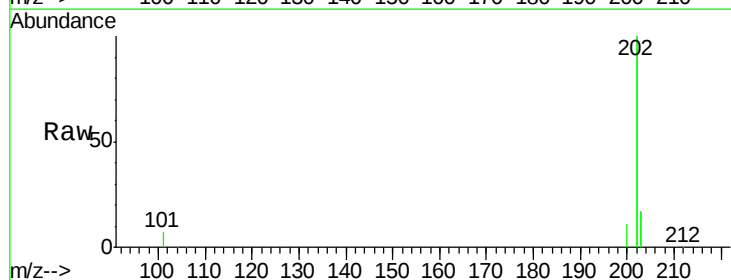
Tgt Ion:202 Resp: 1667107

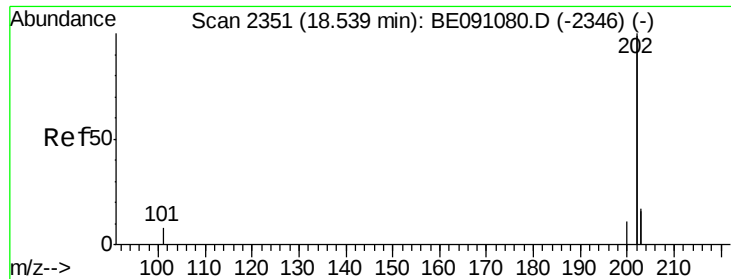
Ion Ratio Lower Upper

202 100

101 3.6 0.0 33.1

203 17.3 0.0 37.2





#19

Pyrene

Concen: 3.46 ng/ul

RT: 18.54 min Scan# 2351

Delta R.T. -0.00 min

Lab File: BE091081.D

Acq: 6 Nov 2015 9:03

Instrument :

BNA_E

ClientSampleId :

C0AN6DL

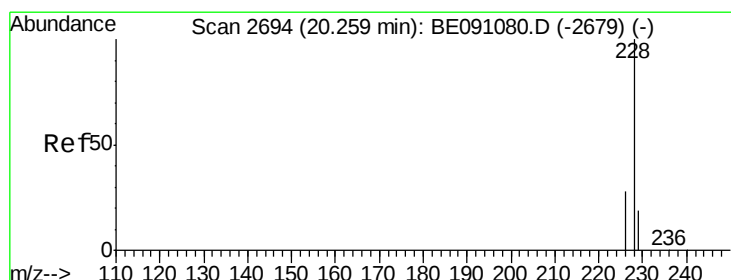
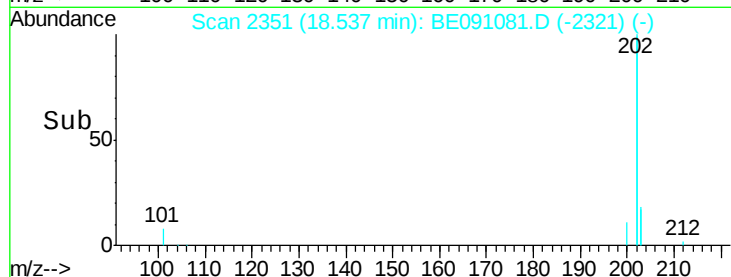
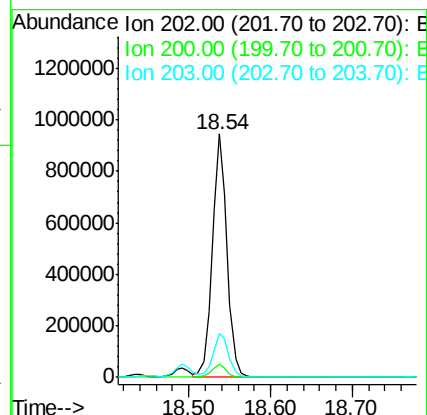
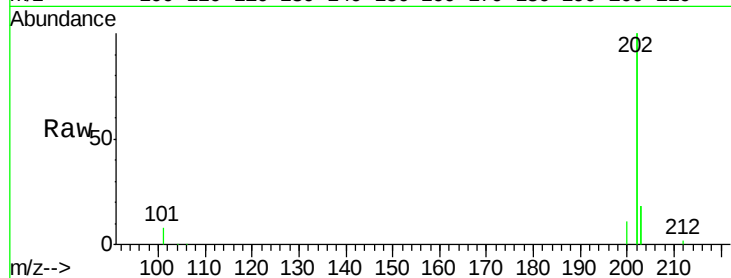
Tgt Ion:202 Resp: 1178596

Ion Ratio Lower Upper

202 100

200 5.5 18.0 27.0#

203 18.3 13.8 20.6



#20

Benzo(a)anthracene

Concen: 1.60 ng/ul

RT: 20.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: BE091081.D

Acq: 6 Nov 2015 9:03

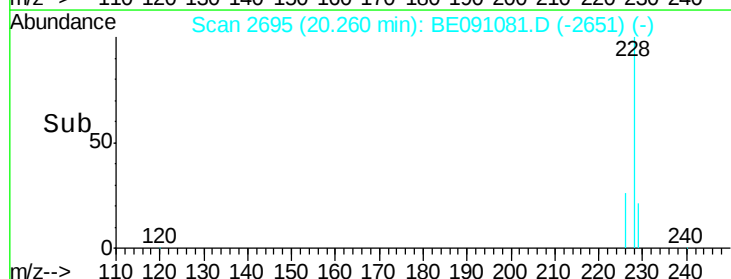
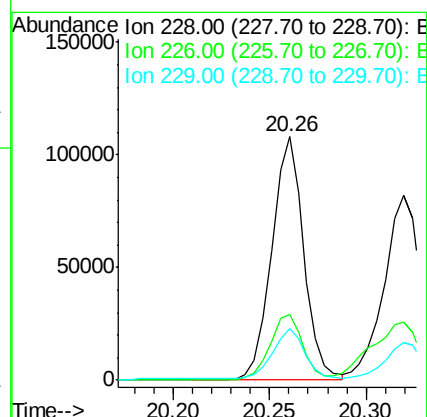
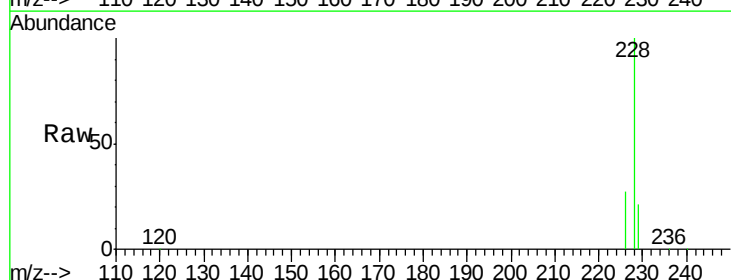
Tgt Ion:228 Resp: 123349

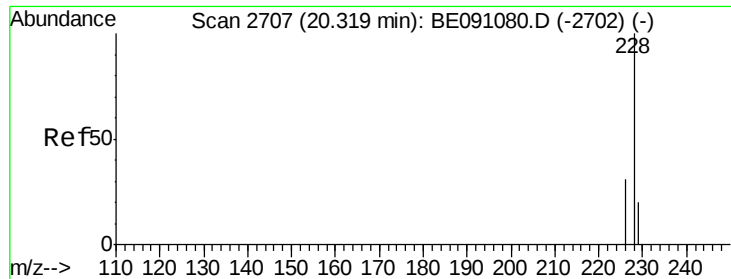
Ion Ratio Lower Upper

228 100

226 26.9 23.0 34.4

229 21.0 15.2 22.8





#21

Chrysene

Concen: 1.23 ng/ul

RT: 20.32 min Scan# 2708

Delta R.T. 0.00 min

Lab File: BE091081.D

Acq: 6 Nov 2015 9:03

Instrument :

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ClientSampleId :

C0AN6DL

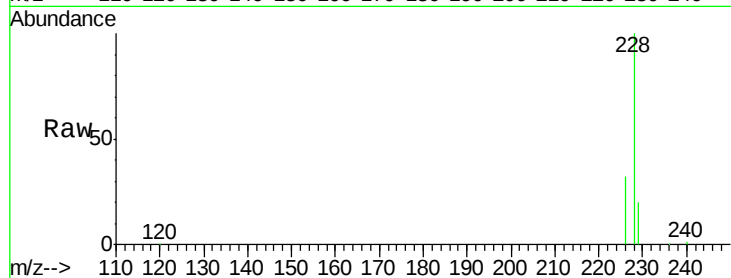
Tgt Ion:228 Resp: 109534

Ion Ratio Lower Upper

228 100

226 31.6 25.7 38.5

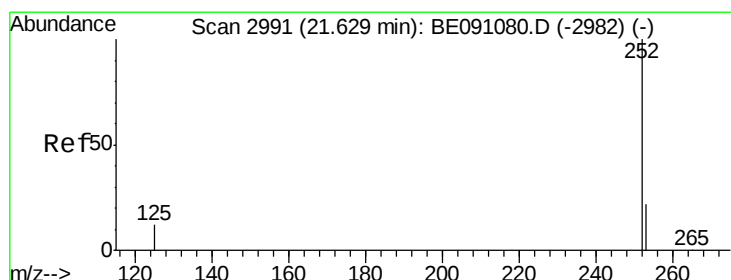
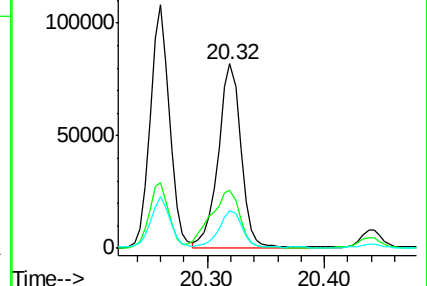
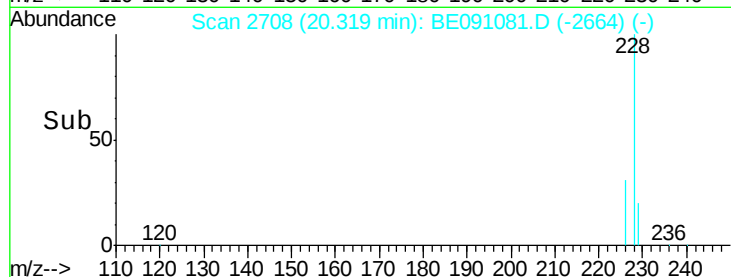
229 20.4 15.2 22.8



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



#23

Benzo(b)fluoranthene

Concen: 0.65 ng/ul

RT: 21.63 min Scan# 2992

Delta R.T. 0.00 min

Lab File: BE091081.D

Acq: 6 Nov 2015 9:03

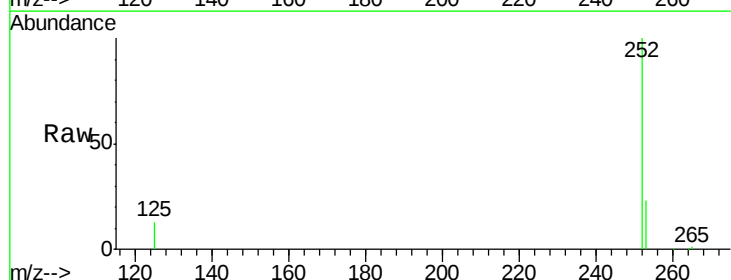
Tgt Ion:252 Resp: 68406

Ion Ratio Lower Upper

252 100

253 23.3 0.0 48.0

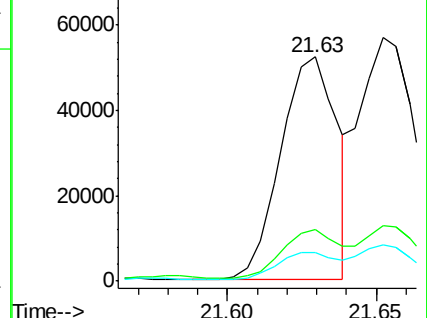
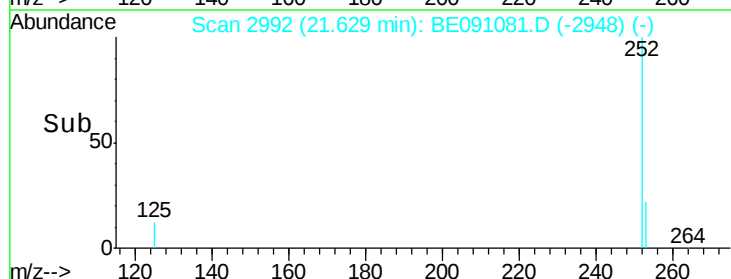
125 12.7 0.0 36.6

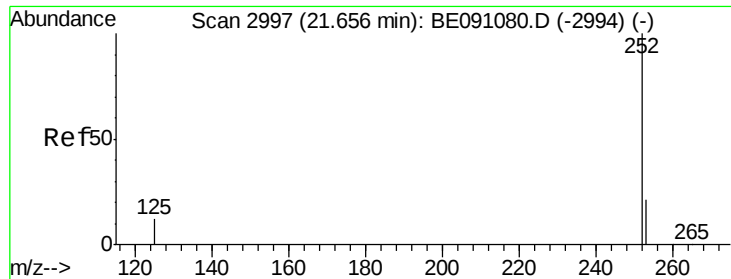


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.72 ng/ul

RT: 21.65 min Scan# 2997

Delta R.T. -0.00 min

Lab File: BE091081.D

Acq: 6 Nov 2015 9:03

Instrument :

BNA_E

ClientSampleId :

C0AN6DL

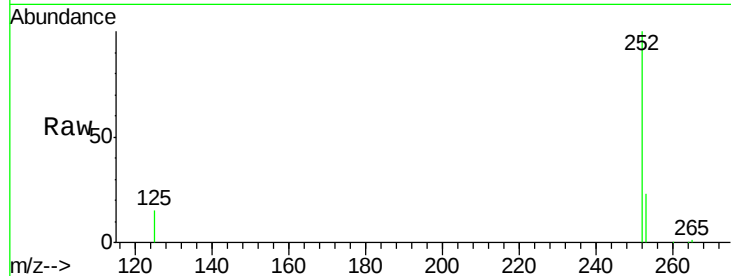
Tgt Ion:252 Resp: 77940

Ion Ratio Lower Upper

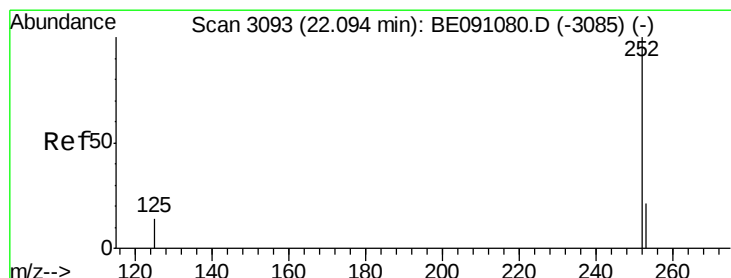
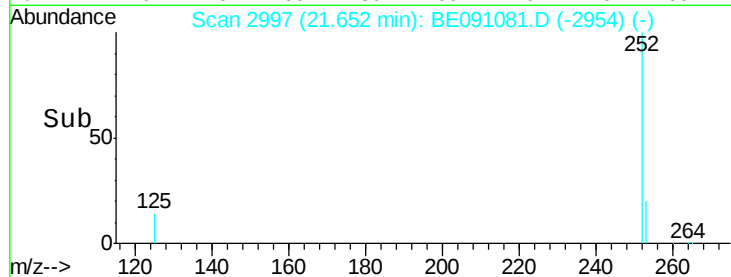
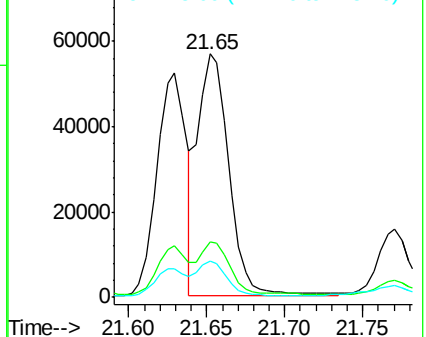
252 100

253 22.5 20.8 31.2

125 14.8 12.2 18.4



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



#25

Benzo(a)pyrene

Concen: 0.43 ng/ul

RT: 22.03 min Scan# 3080

Delta R.T. -0.06 min

Lab File: BE091081.D

Acq: 6 Nov 2015 9:03

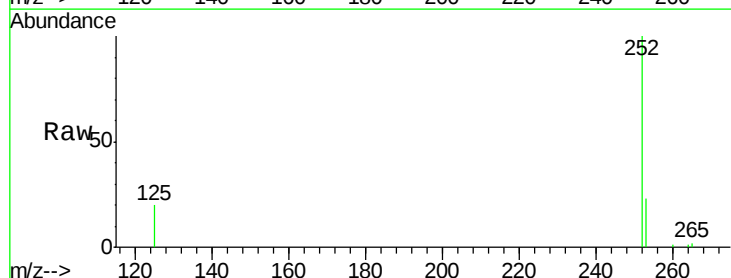
Tgt Ion:252 Resp: 41933

Ion Ratio Lower Upper

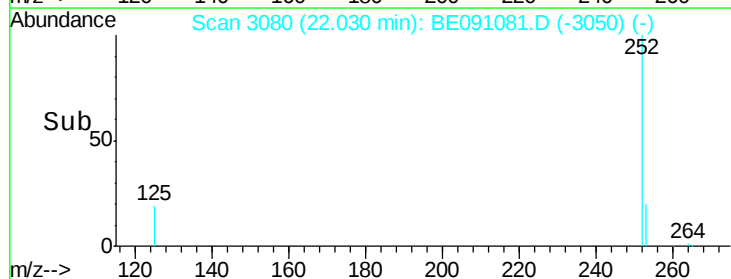
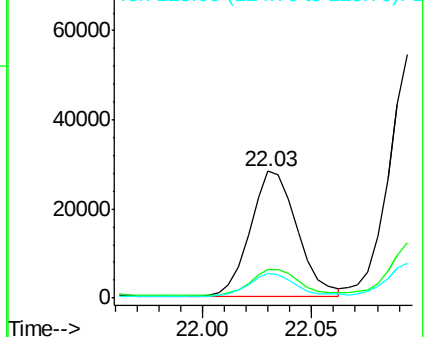
252 100

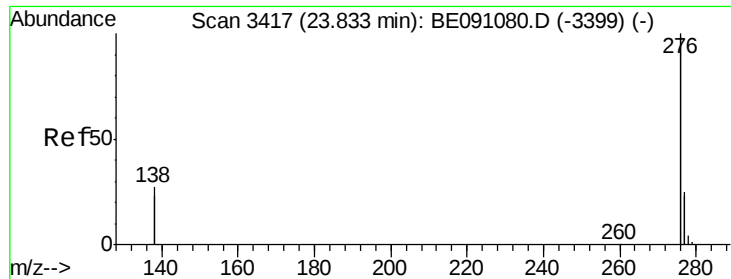
253 22.6 21.8 32.8

125 19.8 14.5 21.7



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





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.41 ng/ul

RT: 23.83 min Scan# 3418

Delta R.T. -0.00 min

Lab File: BE091081.D

Acq: 6 Nov 2015 9:03

Instrument :

BNA_E

ClientSampleId :

C0AN6DL

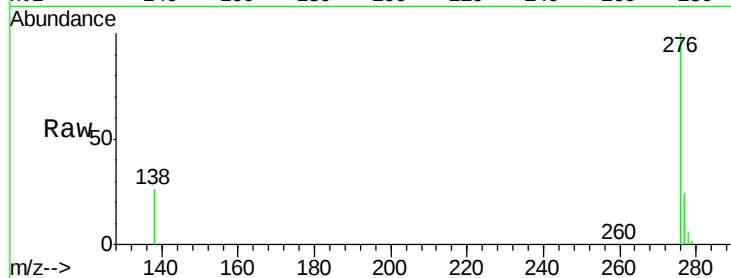
Tgt Ion: 276 Resp: 168242

Ion Ratio Lower Upper

276 100

138 22.1 27.5 41.3#

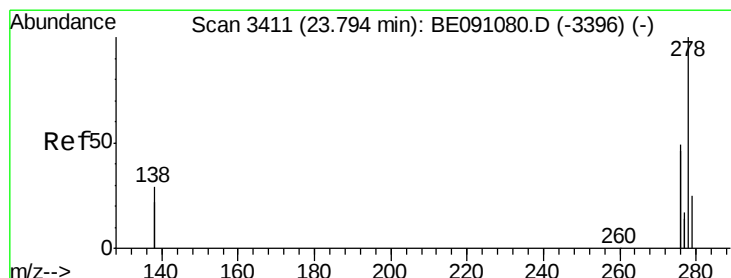
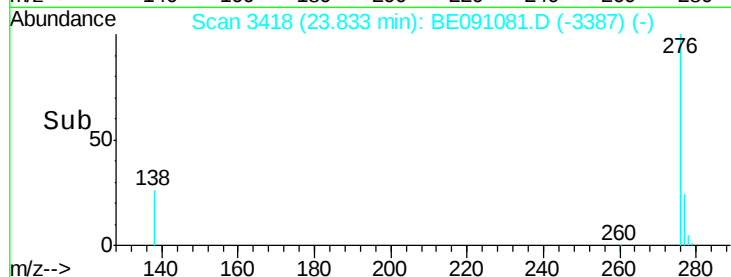
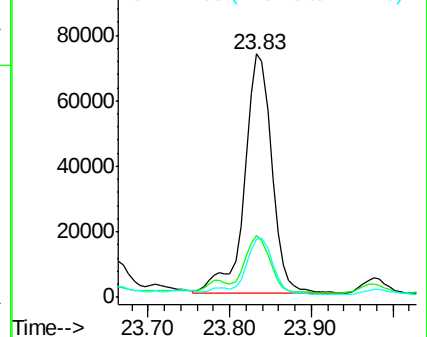
277 22.4 19.3 28.9



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



#27

Dibenzo(a,h)anthracene

Concen: 0.16 ng/ul

RT: 23.79 min Scan# 3411

Delta R.T. -0.01 min

Lab File: BE091081.D

Acq: 6 Nov 2015 9:03

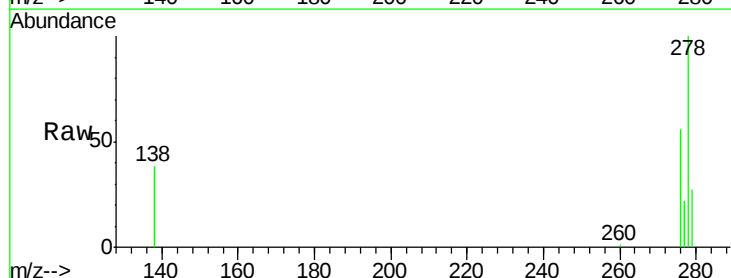
Tgt Ion: 278 Resp: 15367

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

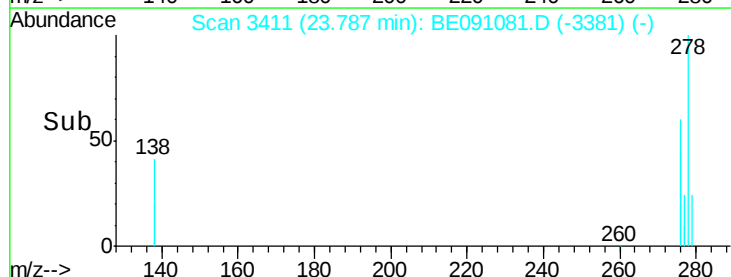
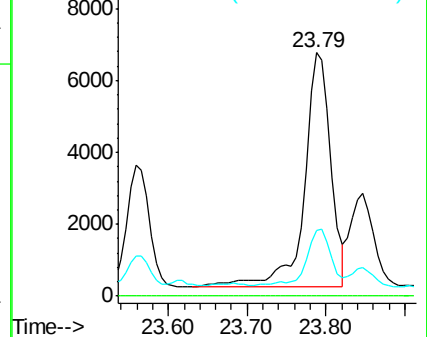
279 27.2 21.9 32.9

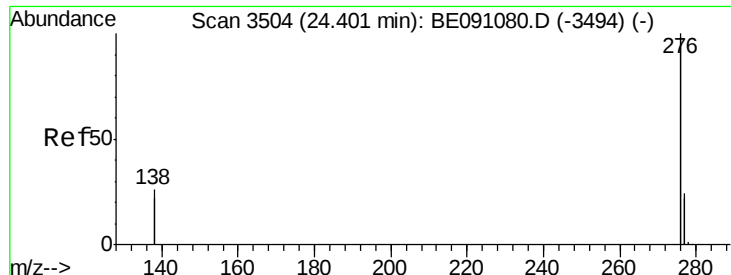


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.34 ng/ul

RT: 24.40 min Scan# 3505

Delta R.T. -0.00 min

Lab File: BE091081.D

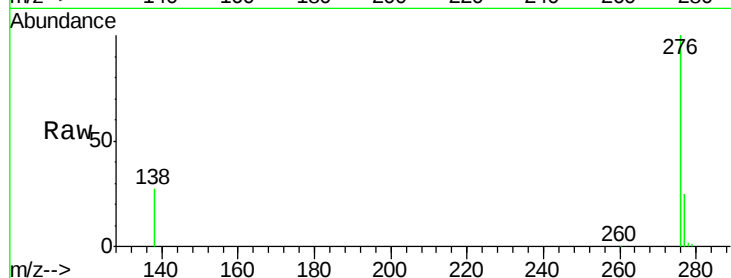
Acq: 6 Nov 2015 9:03

Instrument :

BNA_E

ClientSampleId :

C0AN6DL



Tgt Ion: 276 Resp: 143886

Ion Ratio Lower Upper

276 100

277 25.3 21.3 31.9

138 27.4 25.5 38.3

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

