

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
 Data File : BE091092.D
 Acq On : 6 Nov 2015 16:00
 Operator : UM/NP
 Sample : G4273-12DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP8DL

Quant Time: Nov 09 05:55:11 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	6.90	152	3090	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	16924	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	9438	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	23119	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	25143	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	25042	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.98	96	2248	1.01	ng/uL	0.03
6) 2-Methylnaphthalene-d10	11.08	152	908	0.04	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	2539	0.04	ng/ul	0.00

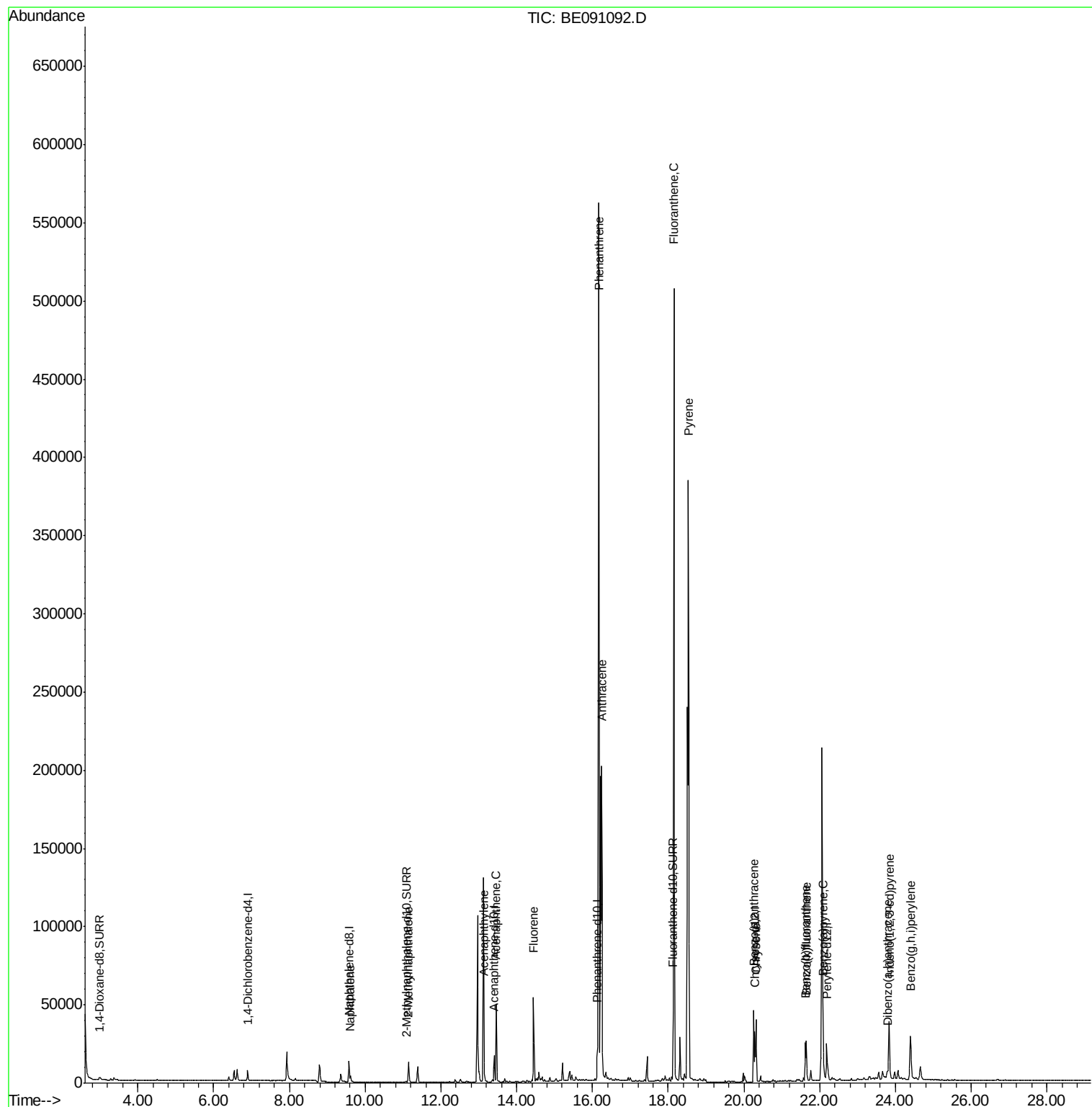
Target Compounds				Qvalue		
5) Naphthalene	9.61	128	4984	0.12	ng/ul	97
7) 2-Methylnaphthalene	11.15	142	10033	0.37	ng/ul	98
9) Acenaphthylene	13.15	152	3133	0.07	ng/ul	97
10) Acenaphthene	13.46	153	28584	0.89	ng/ul	94
11) Fluorene	14.45	166	33900	0.82	ng/ul	88
14) Phenanthrene	16.17	178	630940	2.36	ng/ul	97
15) Anthracene	16.25	178	209122	0.86	ng/ul	99
17) Fluoranthene	18.15	202	520385	1.67	ng/ul	89
19) Pyrene	18.54	202	374794	1.31	ng/ul#	78
20) Benzo(a)anthracene	20.26	228	37056	0.57	ng/ul	95
21) Chrysene	20.32	228	34996	0.47	ng/ul	98
23) Benzo(b)fluoranthene	21.63	252	23384	0.30	ng/ul	96
24) Benzo(k)fluoranthene	21.65	252	24615	0.31	ng/ul	98
25) Benzo(a)pyrene	22.09	252	26855	0.37	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.84	276	55826	0.18	ng/ul#	88
27) Dibenzo(a,h)anthracene	23.79	278	4251	0.06	ng/ul#	68
28) Benzo(g,h,i)perylene	24.40	276	46091	0.14	ng/ul	96

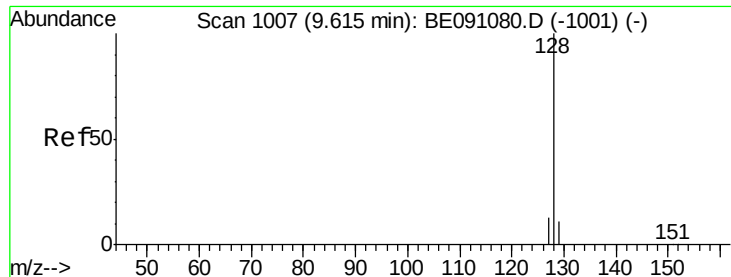
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.12 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

Instrument :

BNA_E

ClientSampleId :

C0AP8DL

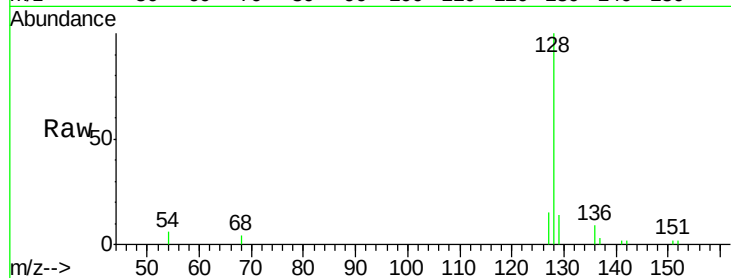
Tgt Ion:128 Resp: 4984

Ion Ratio Lower Upper

128 100

129 13.5 9.8 14.8

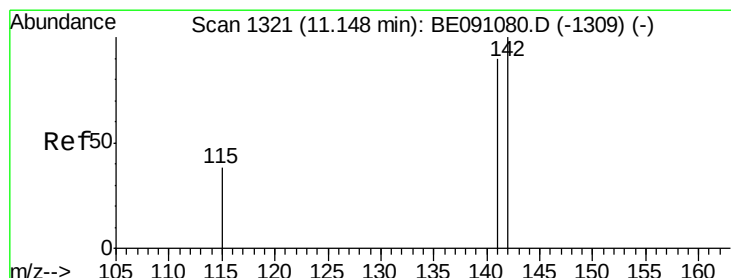
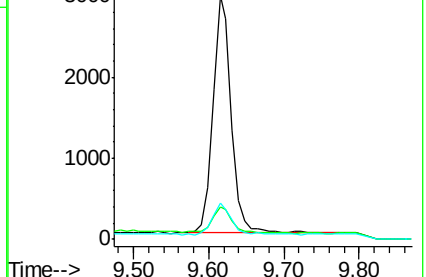
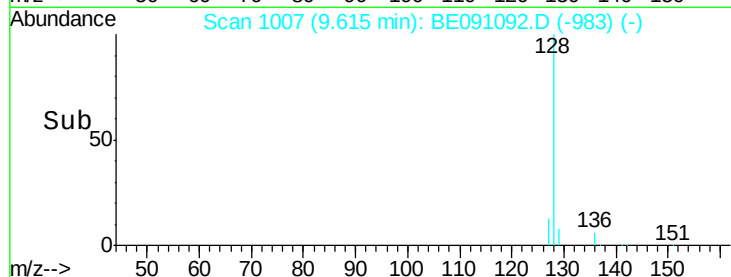
127 14.9 10.7 16.1



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: 0.37 ng/ul

RT: 11.15 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BE091092.D

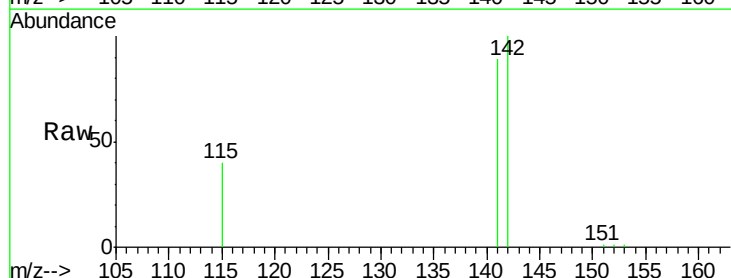
Acq: 6 Nov 2015 16:00

Tgt Ion:142 Resp: 10033

Ion Ratio Lower Upper

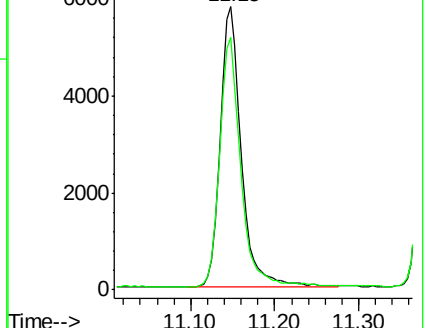
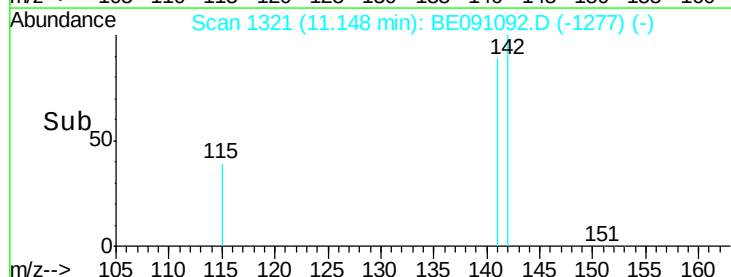
142 100

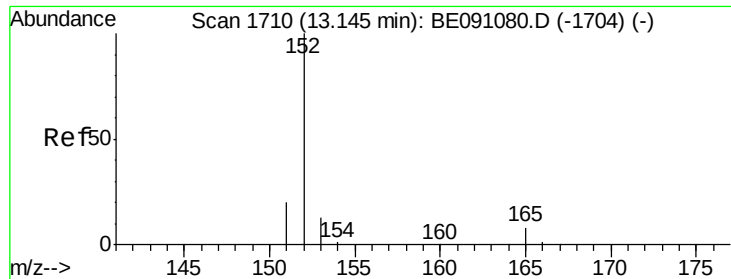
141 89.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.07 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

Instrument :

BNA_E

ClientSampleId :

C0AP8DL

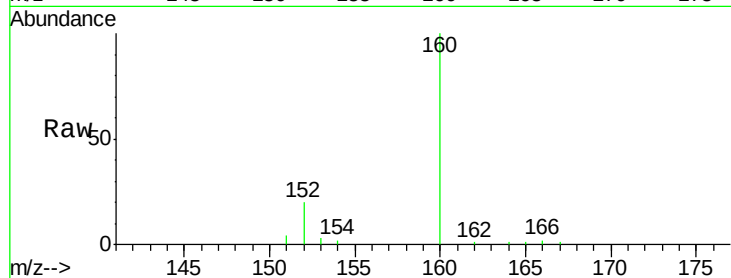
Tgt Ion:152 Resp: 3133

Ion Ratio Lower Upper

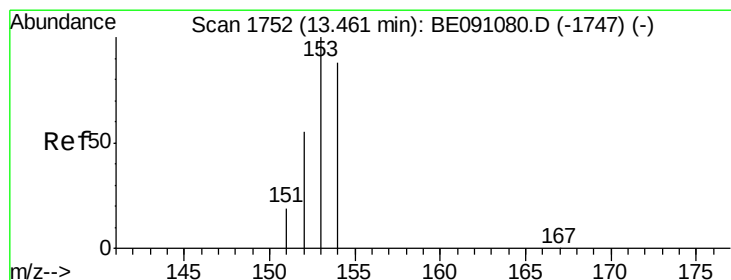
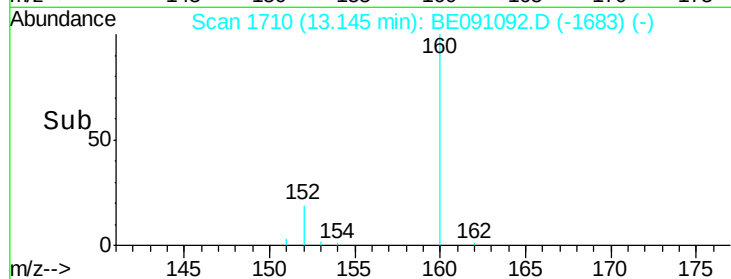
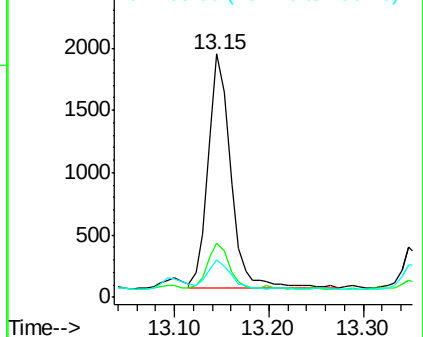
152 100

151 22.3 16.8 25.2

153 15.3 11.3 16.9



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



#10

Acenaphthene

Concen: 0.89 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

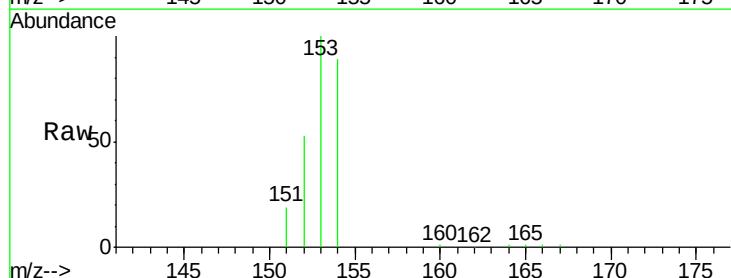
Tgt Ion:153 Resp: 28584

Ion Ratio Lower Upper

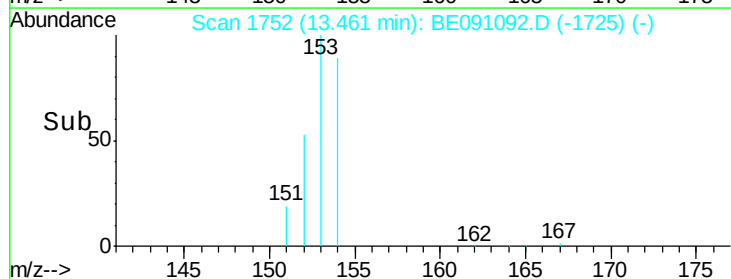
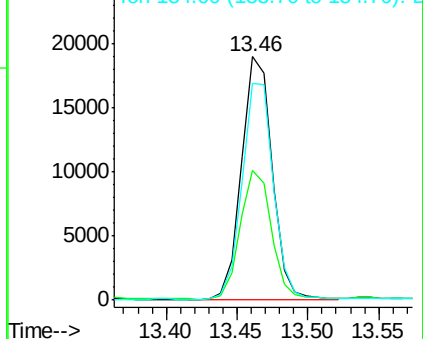
153 100

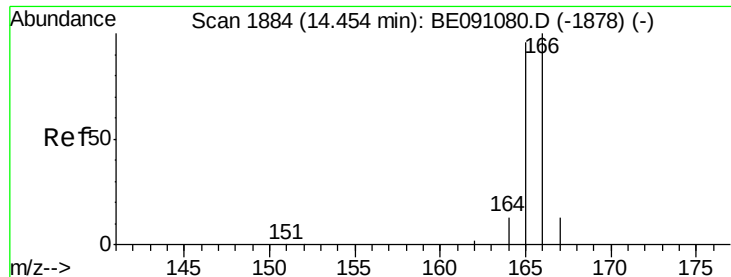
152 53.1 42.3 63.5

154 89.2 64.7 97.1



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





#11

Fluorene

Concen: 0.82 ng/ul

RT: 14.45 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

Instrument :

BNA_E

ClientSampleId :

C0AP8DL

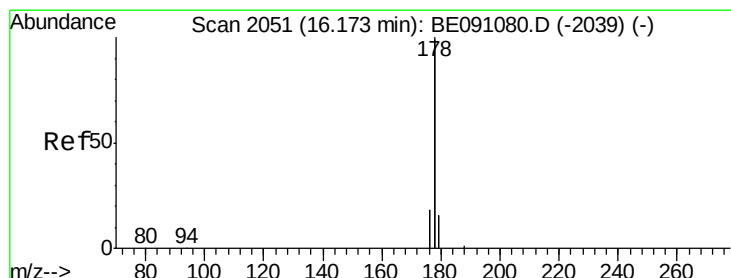
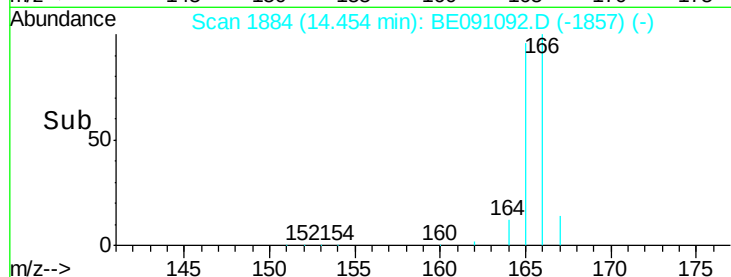
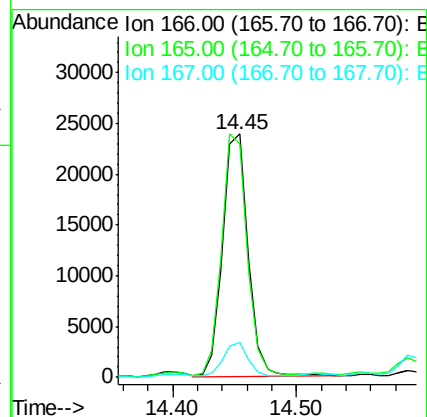
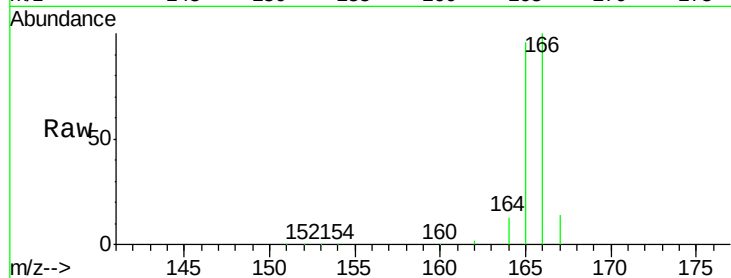
Tgt Ion:166 Resp: 33900

Ion Ratio Lower Upper

166 100

165 95.7 87.6 131.4

167 14.1 11.1 16.7



#14

Phenanthrene

Concen: 2.36 ng/ul

RT: 16.17 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

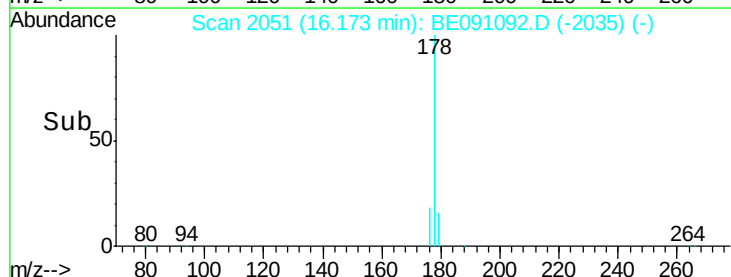
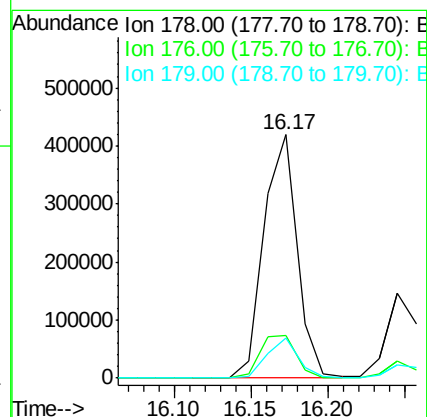
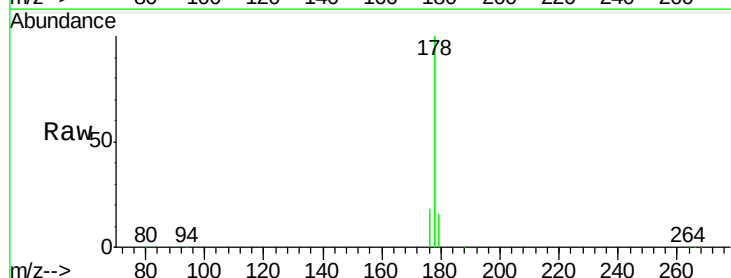
Tgt Ion:178 Resp: 630940

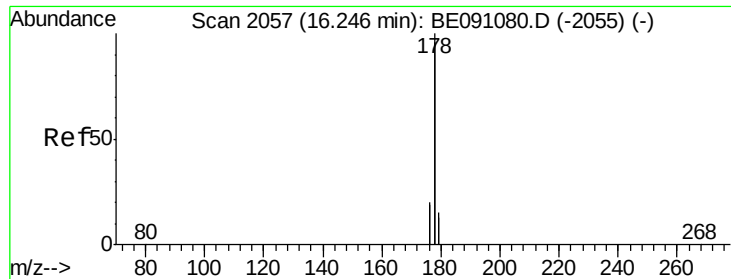
Ion Ratio Lower Upper

178 100

176 17.8 16.2 24.4

179 16.3 12.8 19.2





#15

Anthracene

Concen: 0.86 ng/ul

RT: 16.25 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

Instrument :

BNA_E

ClientSampleId :

C0AP8DL

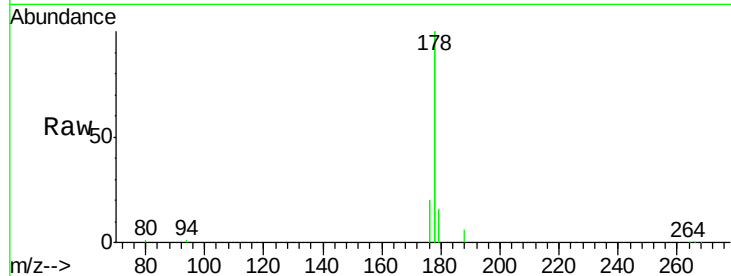
Tgt Ion:178 Resp: 209122

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

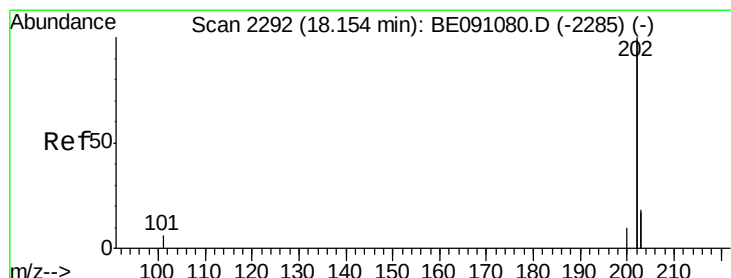
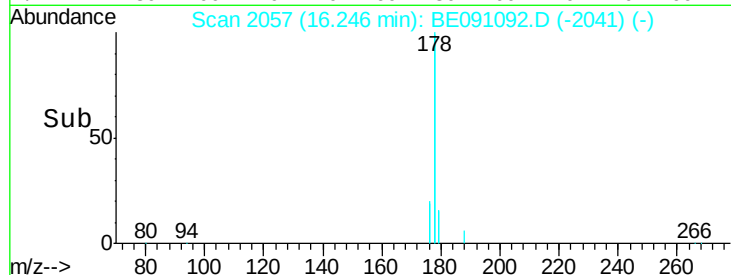
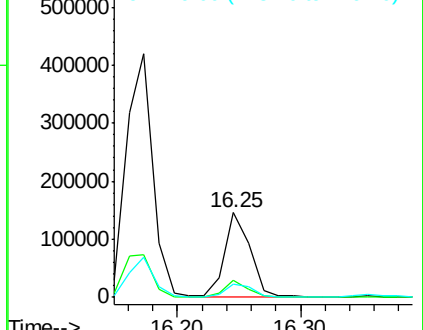
179 15.6 13.3 19.9



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



#17

Fluoranthene

Concen: 1.67 ng/ul

RT: 18.15 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

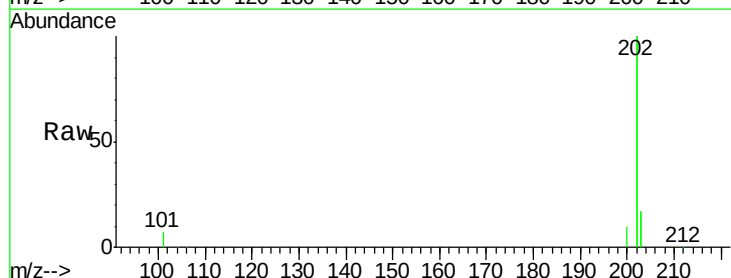
Tgt Ion:202 Resp: 520385

Ion Ratio Lower Upper

202 100

101 3.3 0.0 33.1

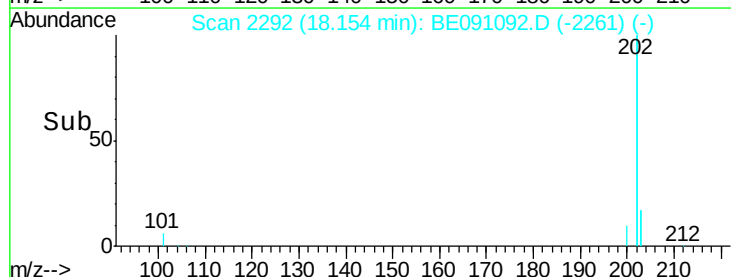
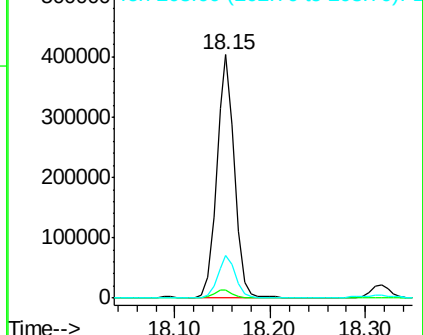
203 17.3 0.0 37.2

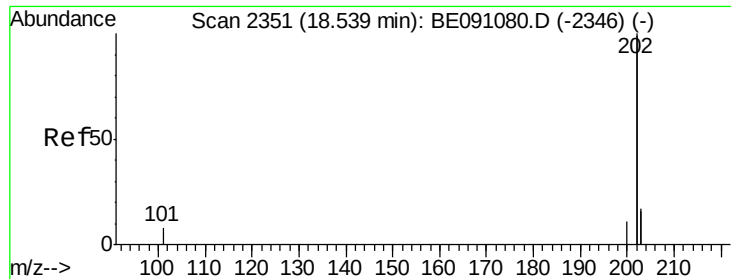


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 1.31 ng/ul

RT: 18.54 min Scan# 2351

Delta R.T. -0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

Instrument :

BNA_E

ClientSampleId :

C0AP8DL

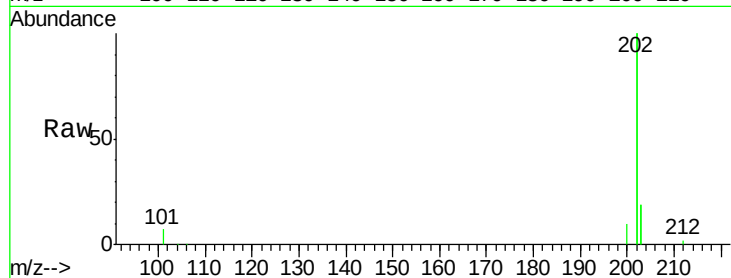
Tgt Ion:202 Resp: 374794

Ion Ratio Lower Upper

202 100

200 5.1 18.0 27.0#

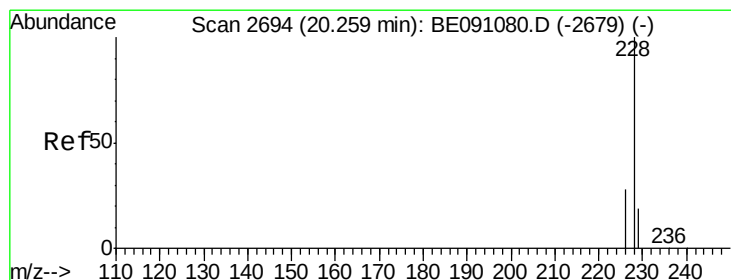
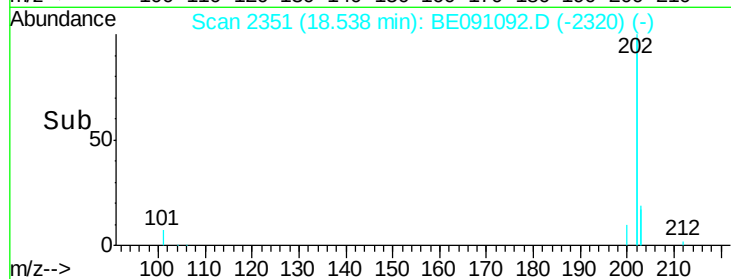
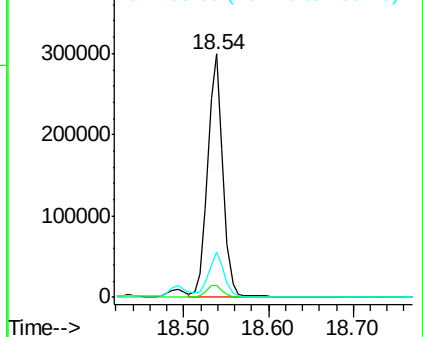
203 18.7 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#20

Benzo(a)anthracene

Concen: 0.57 ng/ul

RT: 20.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

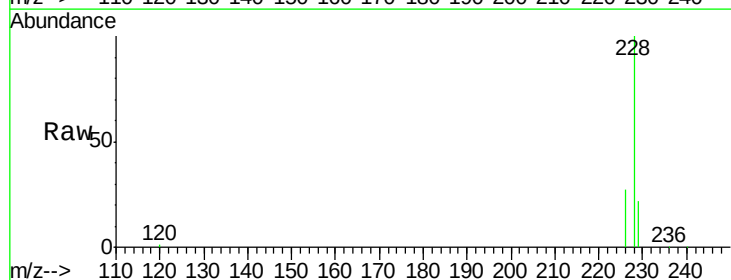
Tgt Ion:228 Resp: 37056

Ion Ratio Lower Upper

228 100

226 26.5 23.0 34.4

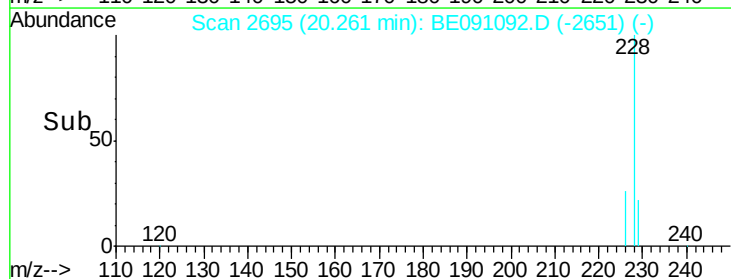
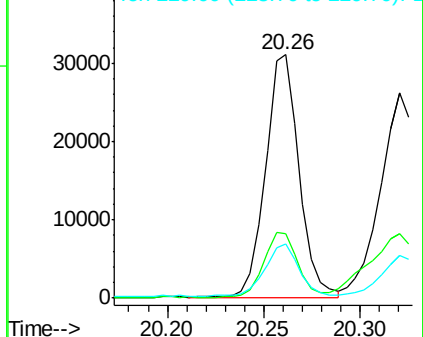
229 22.2 15.2 22.8

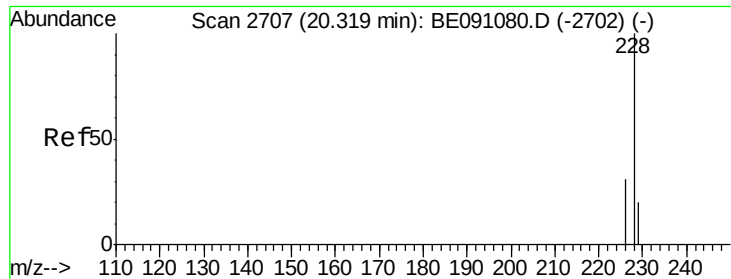


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.47 ng/ul

RT: 20.32 min Scan# 2708

Delta R.T. 0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

Instrument :

BNA_E

ClientSampleId :

C0AP8DL

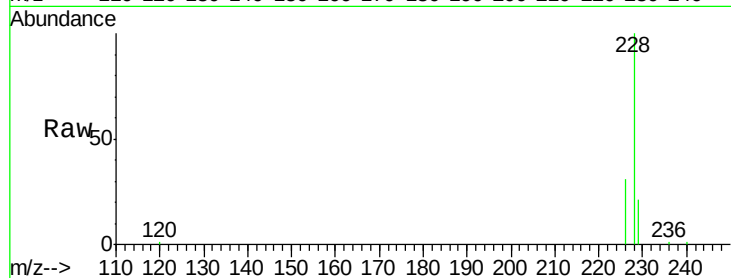
Tgt Ion:228 Resp: 34996

Ion Ratio Lower Upper

228 100

226 31.5 25.7 38.5

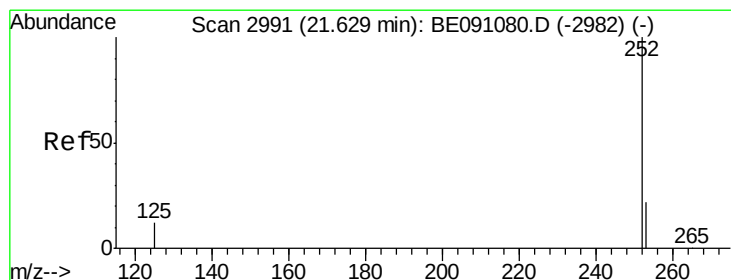
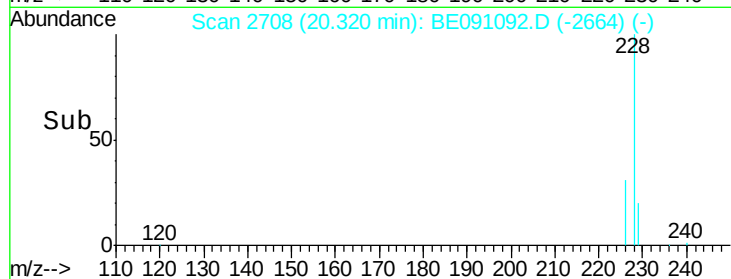
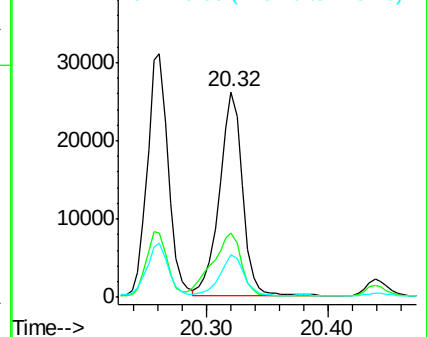
229 20.9 15.2 22.8



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: 0.30 ng/ul

RT: 21.63 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

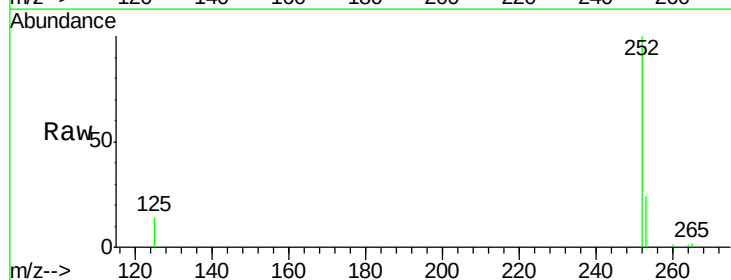
Tgt Ion:252 Resp: 23384

Ion Ratio Lower Upper

252 100

253 23.8 0.0 48.0

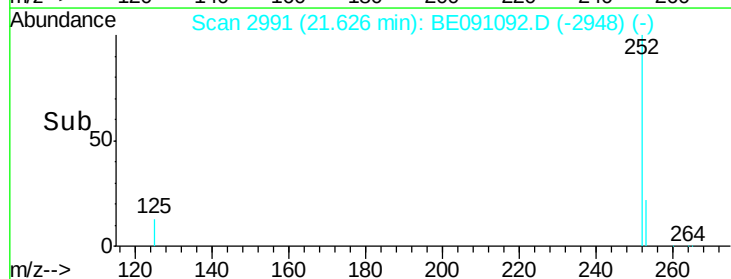
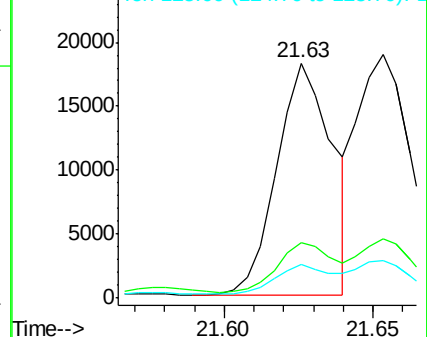
125 14.3 0.0 36.6

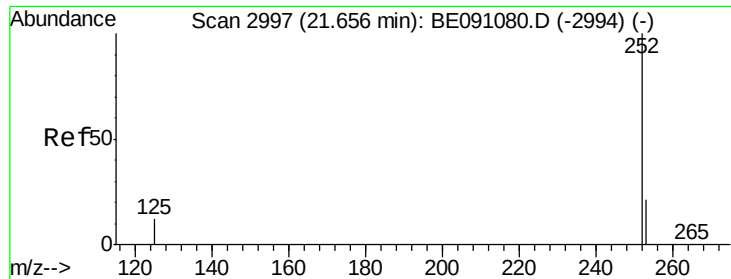


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.31 ng/ul

RT: 21.65 min Scan# 2997

Delta R.T. -0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

Instrument :

BNA_E

ClientSampleId :

C0AP8DL

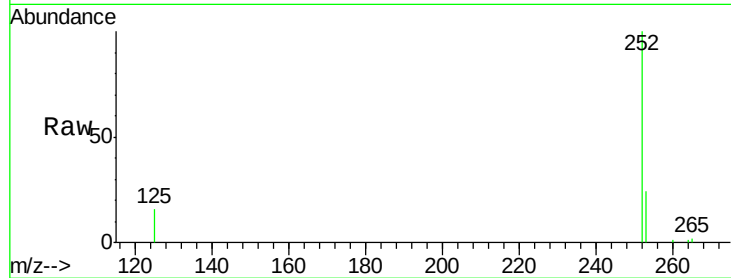
Tgt Ion:252 Resp: 24615

Ion Ratio Lower Upper

252 100

253 24.4 20.8 31.2

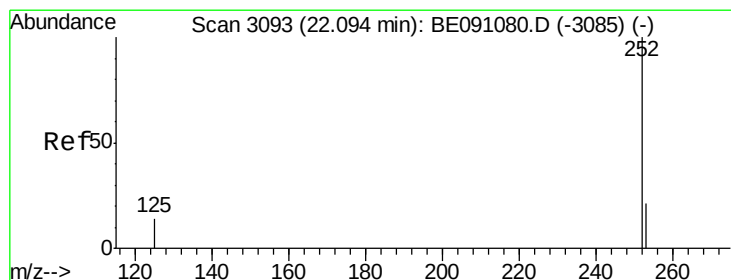
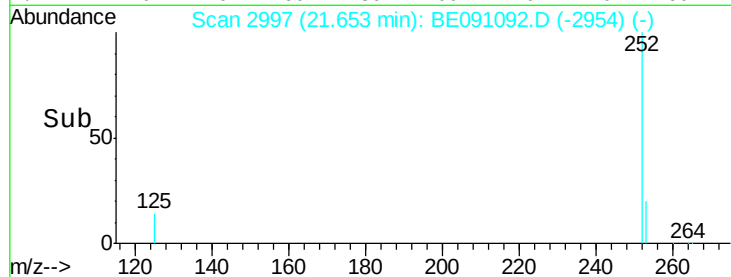
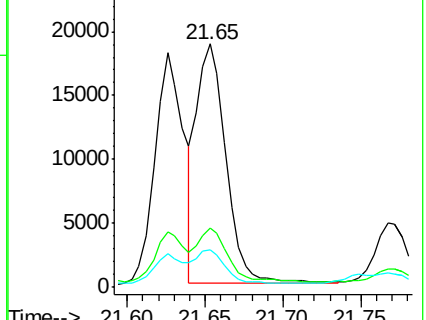
125 15.6 12.2 18.4



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: 0.37 ng/ul

RT: 22.09 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

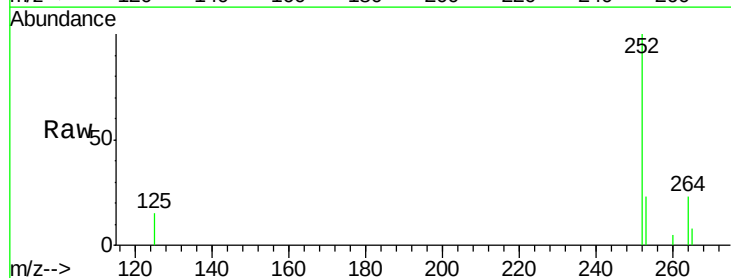
Tgt Ion:252 Resp: 26855

Ion Ratio Lower Upper

252 100

253 23.1 21.8 32.8

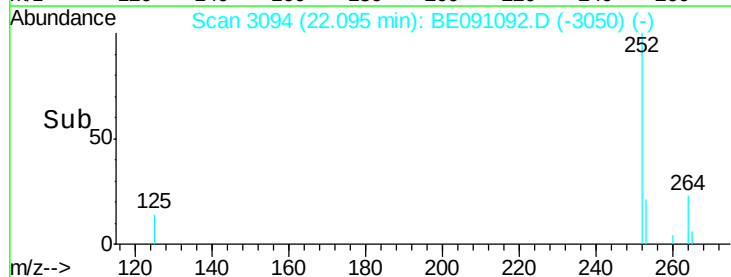
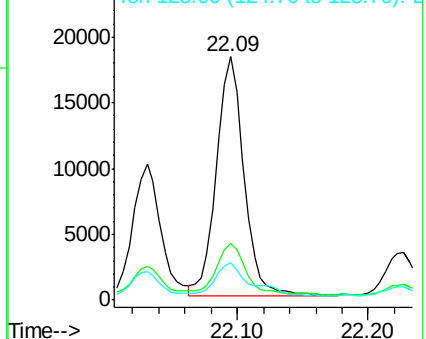
125 15.2 14.5 21.7

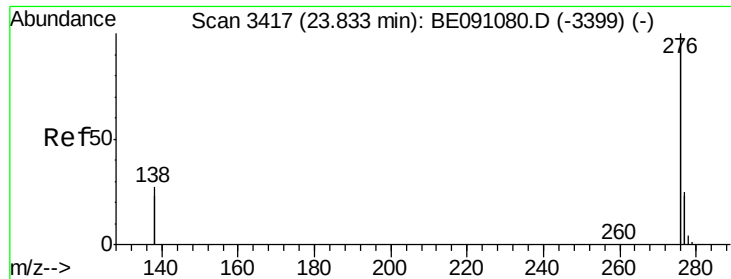


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.18 ng/ul

RT: 23.84 min Scan# 3418

Delta R.T. 0.01 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

Instrument :

BNA_E

ClientSampleId :

C0AP8DL

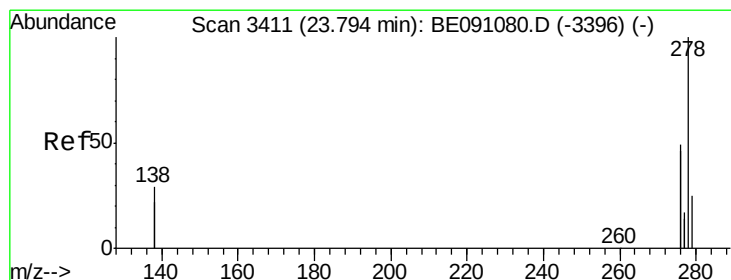
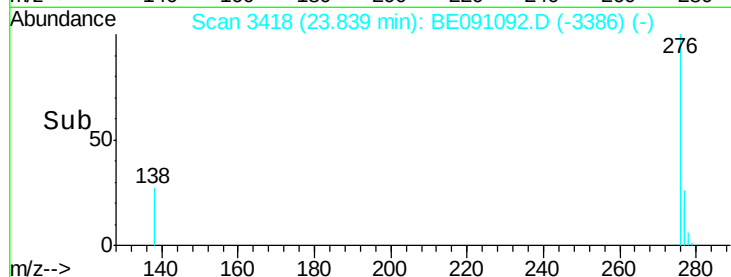
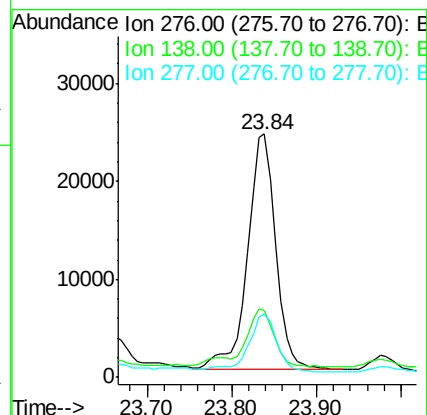
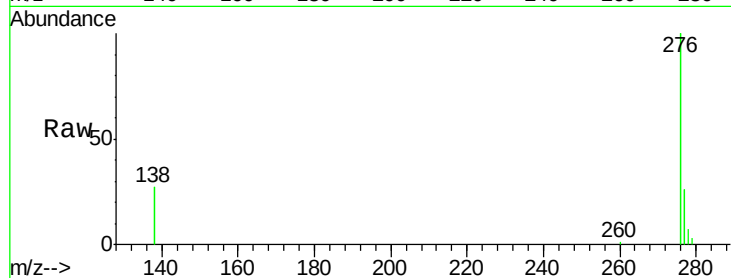
Tgt Ion:276 Resp: 55826

Ion Ratio Lower Upper

276 100

138 23.1 27.5 41.3#

277 25.2 19.3 28.9



#27

Dibenzo(a,h)anthracene

Concen: 0.06 ng/ul

RT: 23.79 min Scan# 3411

Delta R.T. -0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

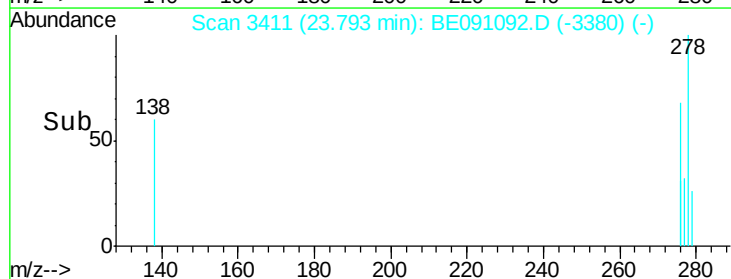
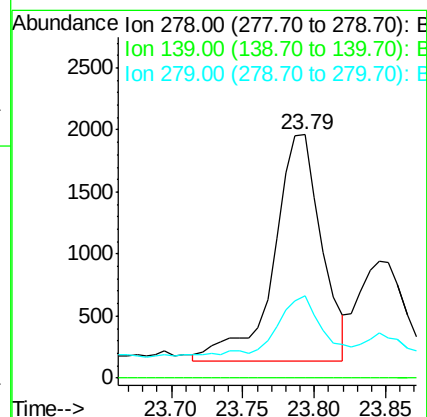
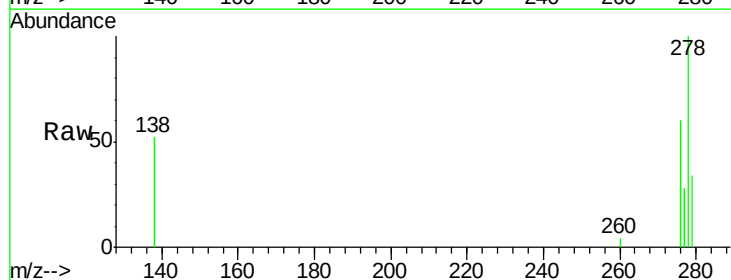
Tgt Ion:278 Resp: 4251

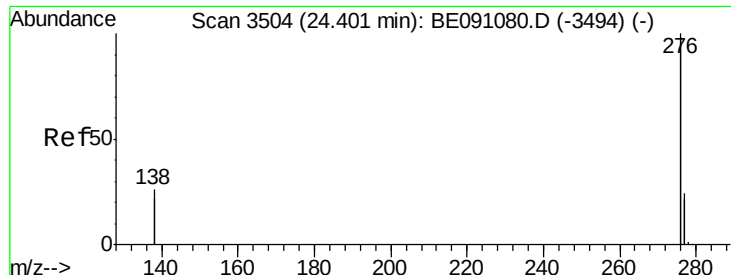
Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

279 34.0 21.9 32.9#





#28

Benzo(g,h,i)perylene

Concen: 0.14 ng/ul

RT: 24.40 min Scan# 3504

Delta R.T. -0.00 min

Lab File: BE091092.D

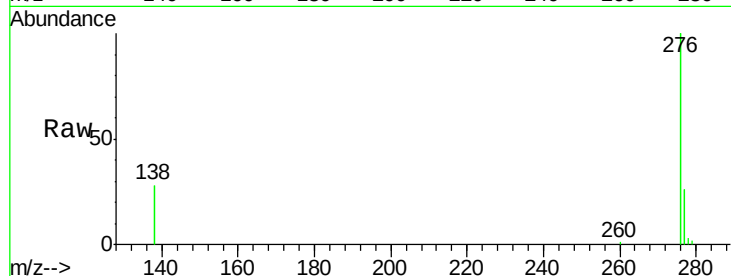
Acq: 6 Nov 2015 16:00

Instrument :

BNA_E

ClientSampleId :

C0AP8DL



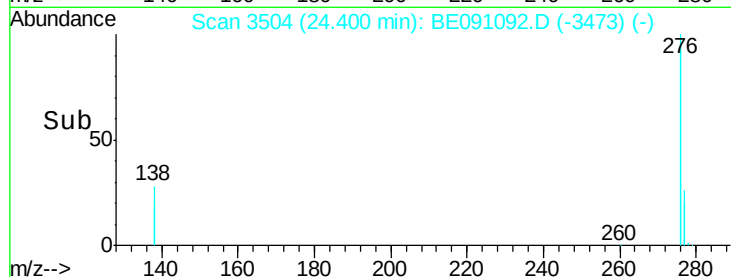
Tgt Ion: 276 Resp: 46091

Ion Ratio Lower Upper

276 100

277 26.0 21.3 31.9

138 28.4 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

