

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
 Data File : BE091093.D
 Acq On : 6 Nov 2015 16:36
 Operator : UM/NP
 Sample : G4273-13DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C0AP9DL

Quant Time: Nov 09 05:55:28 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	3106	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	9486	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	22804	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	24492	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	26146	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.99	96	2086	0.93	ng/uL	0.04
6) 2-Methylnaphthalene-d10	11.08	152	824	0.04	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	2248	0.03	ng/ul	0.00

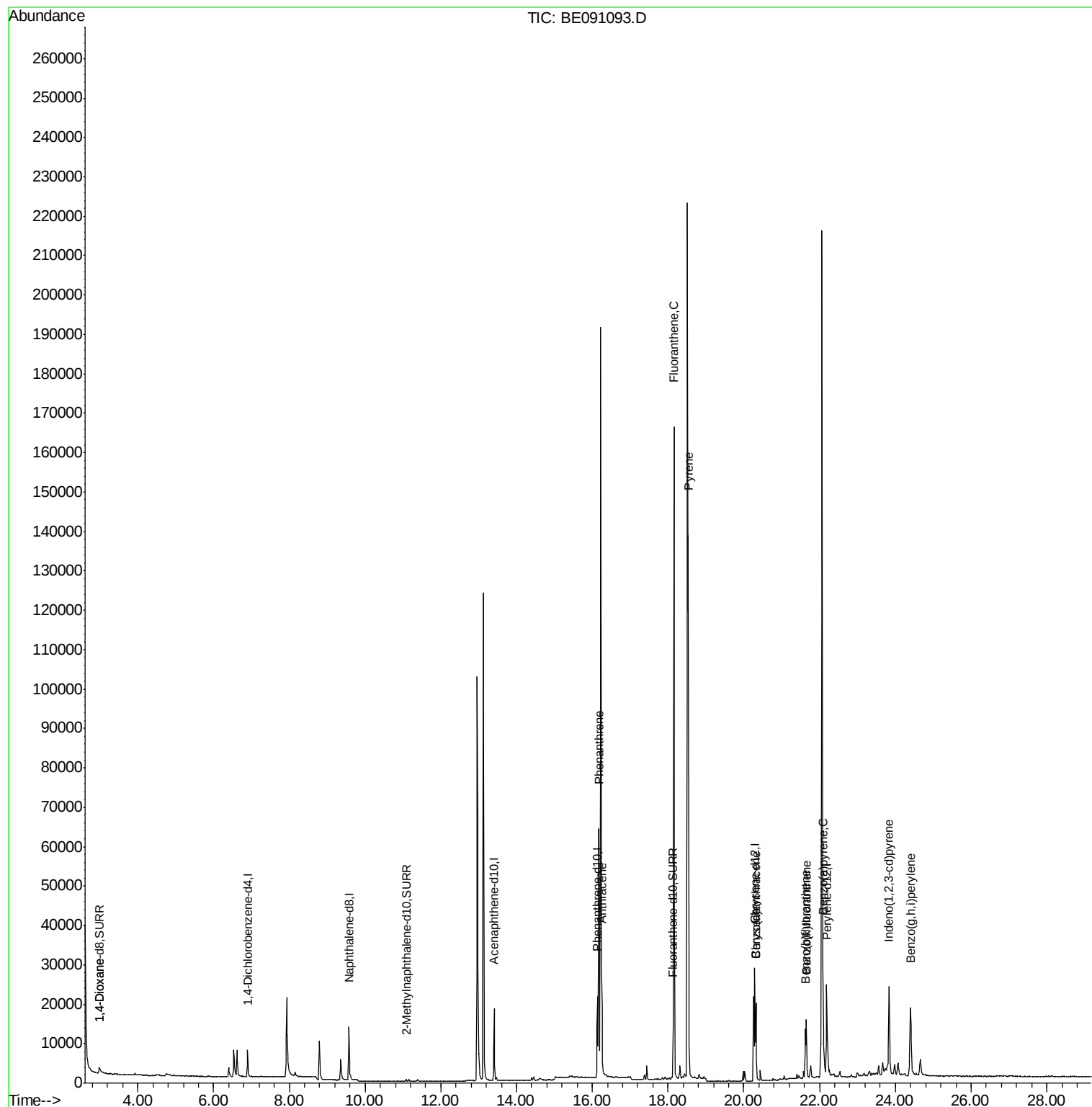
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.97	88	135	0.05	ng/ul#	53
14) Phenanthrene	16.17	178	63450	0.24	ng/ul	97
15) Anthracene	16.25	178	25510	0.11	ng/ul	98
17) Fluoranthene	18.15	202	171531	0.56	ng/ul	89
19) Pyrene	18.54	202	144647	0.52	ng/ul#	78
20) Benzo(a)anthracene	20.32	228	17685	0.28	ng/ul	95
21) Chrysene	20.32	228	17873	0.25	ng/ul	98
23) Benzo(b)fluoranthene	21.63	252	12668	0.16	ng/ul	96
24) Benzo(k)fluoranthene	21.65	252	14233	0.17	ng/ul	98
25) Benzo(a)pyrene	22.09	252	14962	0.20	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	23.83	276	34153	0.11	ng/ul#	87
28) Benzo(g,h,i)perylene	24.40	276	28817	0.09	ng/ul	98

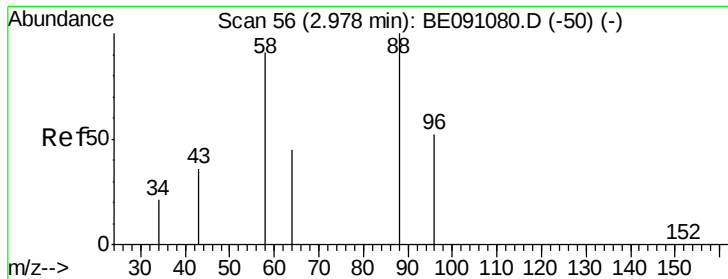
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.05 ng/ul

RT: 2.97 min Scan# 55

Delta R.T. -0.01 min

Lab File: BE091093.D

Acq: 6 Nov 2015 16:36

Instrument :

BNA_F

ClientSampleId :

C0AP9DL

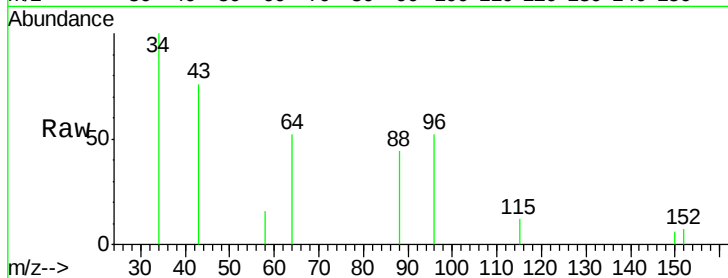
Tgt Ion: 88 Resp: 135

Ion Ratio Lower Upper

88 100

58 34.1 55.4 83.2#

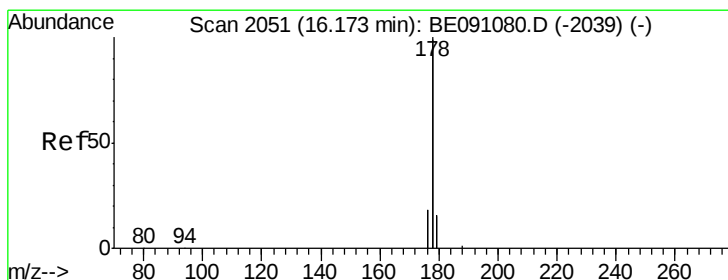
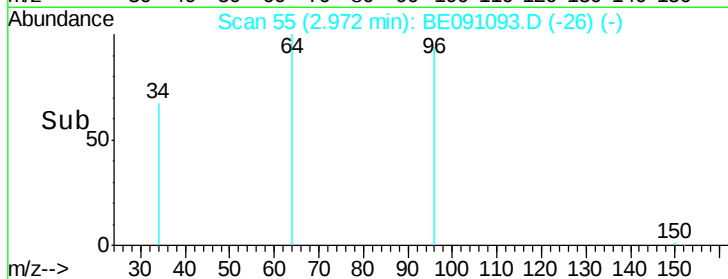
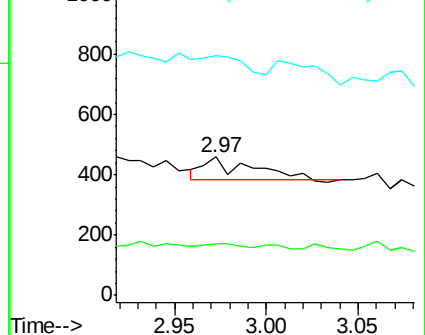
43 0.0 24.2 36.2#



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



#14

Phenanthrene

Concen: 0.24 ng/ul

RT: 16.17 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BE091093.D

Acq: 6 Nov 2015 16:36

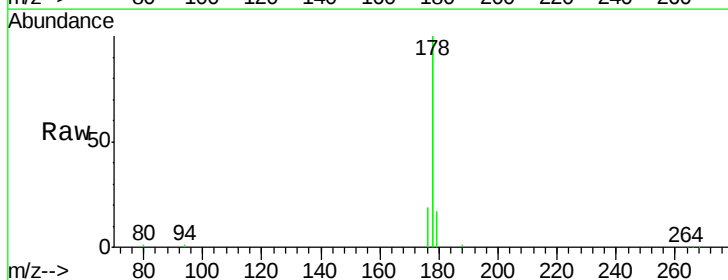
Tgt Ion: 178 Resp: 63450

Ion Ratio Lower Upper

178 100

176 18.6 16.2 24.4

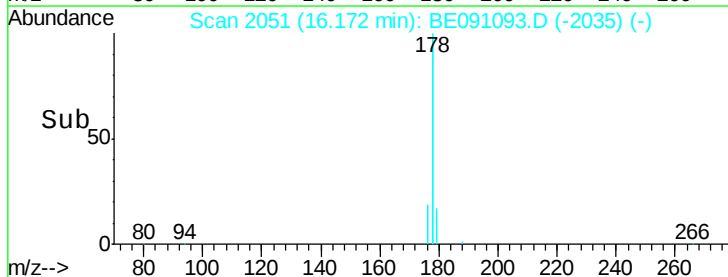
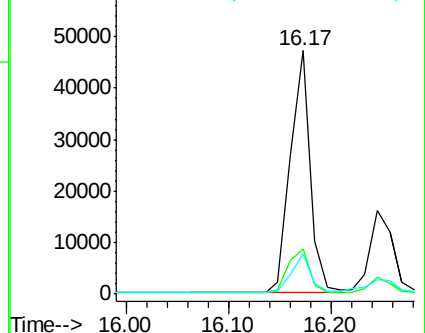
179 16.7 12.8 19.2

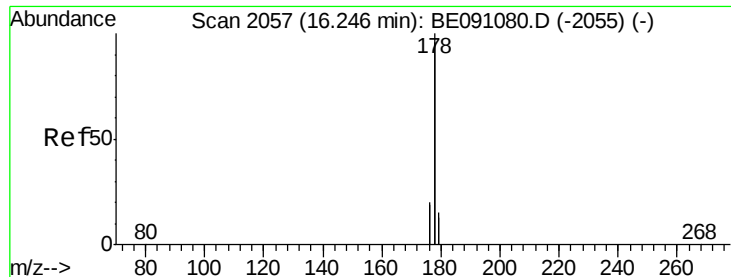


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.11 ng/ul

RT: 16.25 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091093.D

Acq: 6 Nov 2015 16:36

Instrument :

BNA_F

ClientSampleId :

C0AP9DL

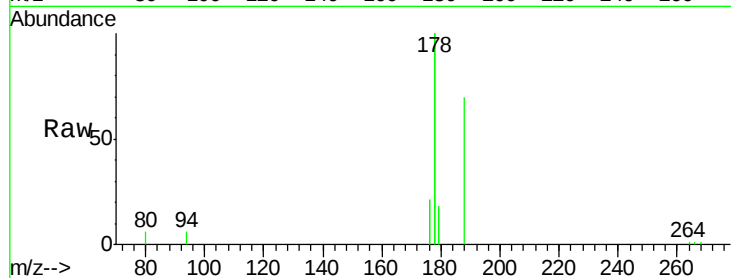
Tgt Ion:178 Resp: 25510

Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.8

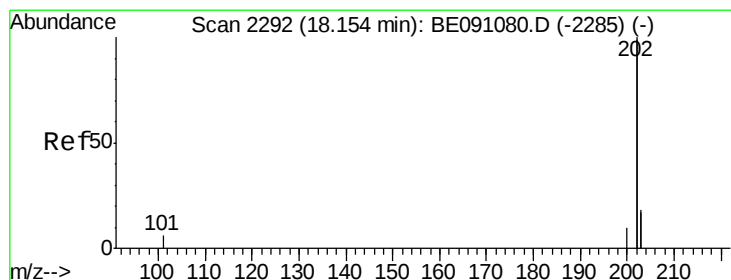
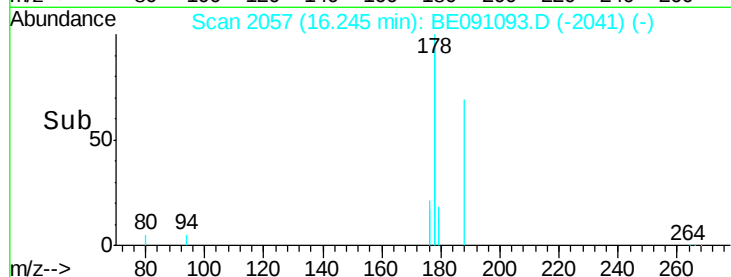
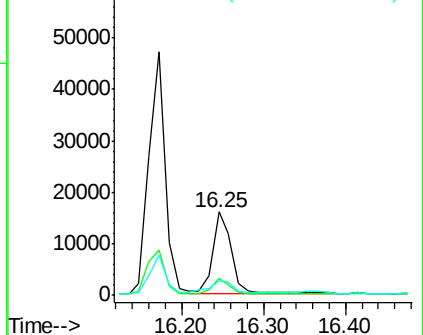
179 17.9 13.3 19.9



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



#17

Fluoranthene

Concen: 0.56 ng/ul

RT: 18.15 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BE091093.D

Acq: 6 Nov 2015 16:36

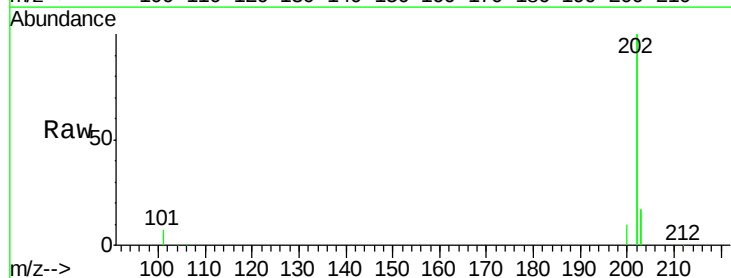
Tgt Ion:202 Resp: 171531

Ion Ratio Lower Upper

202 100

101 3.3 0.0 33.1

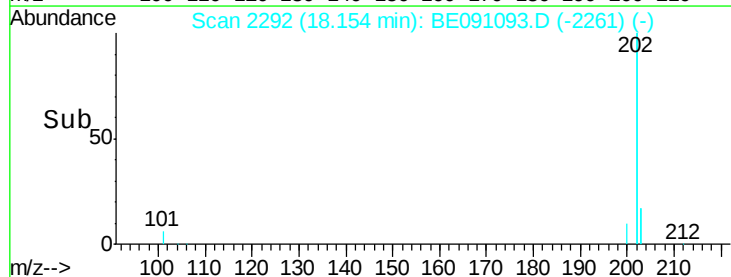
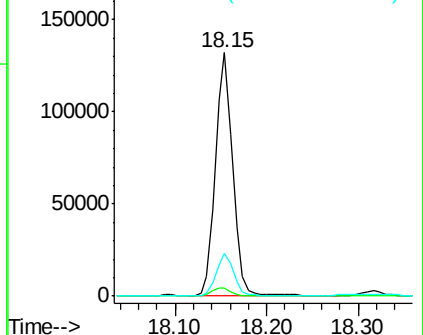
203 17.5 0.0 37.2

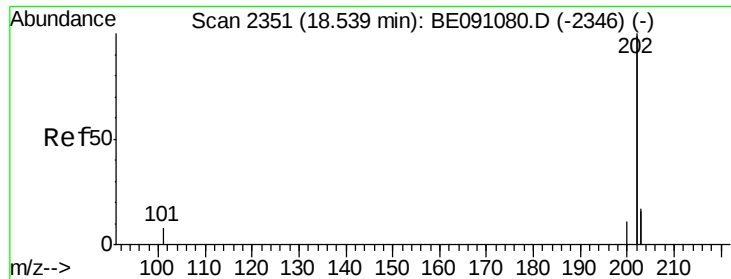


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.52 ng/ul

RT: 18.54 min Scan# 2351

Delta R.T. -0.00 min

Lab File: BE091093.D

Acq: 6 Nov 2015 16:36

Instrument :

BNA_F

ClientSampleId :

C0AP9DL

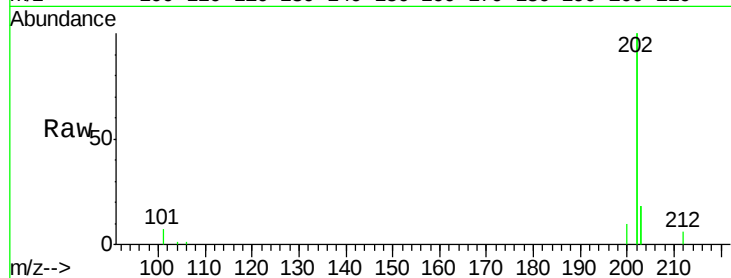
Tgt Ion:202 Resp: 144647

Ion Ratio Lower Upper

202 100

200 5.2 18.0 27.0#

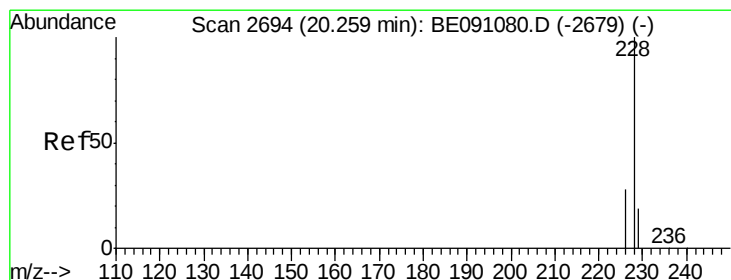
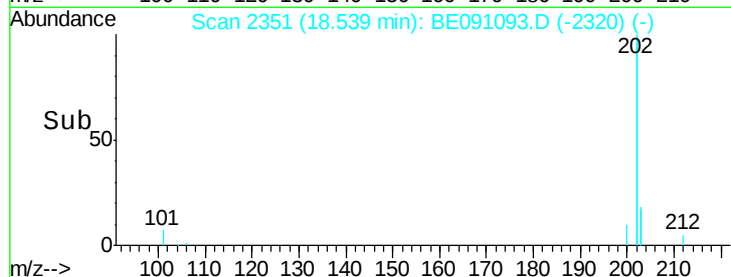
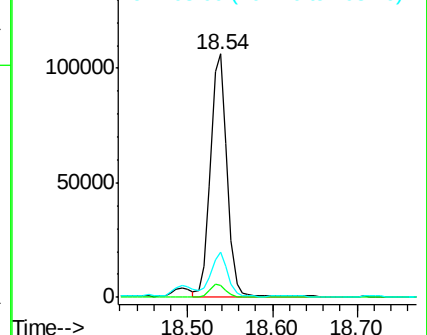
203 18.4 13.8 20.6



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: 0.28 ng/ul

RT: 20.32 min Scan# 2707

Delta R.T. 0.06 min

Lab File: BE091093.D

Acq: 6 Nov 2015 16:36

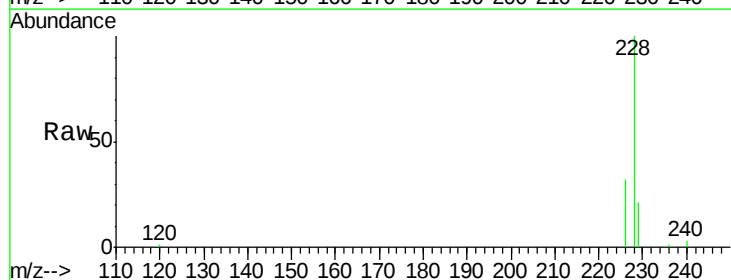
Tgt Ion:228 Resp: 17685

Ion Ratio Lower Upper

228 100

226 31.8 23.0 34.4

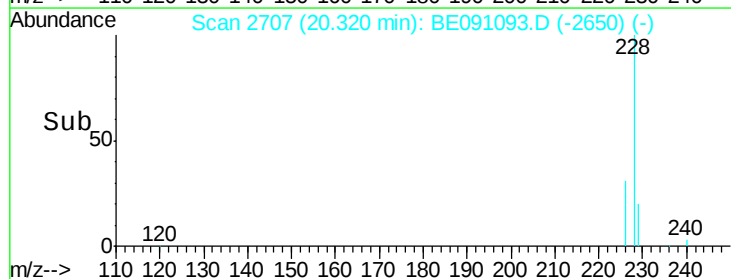
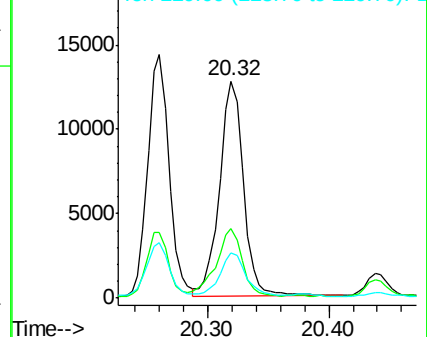
229 20.9 15.2 22.8

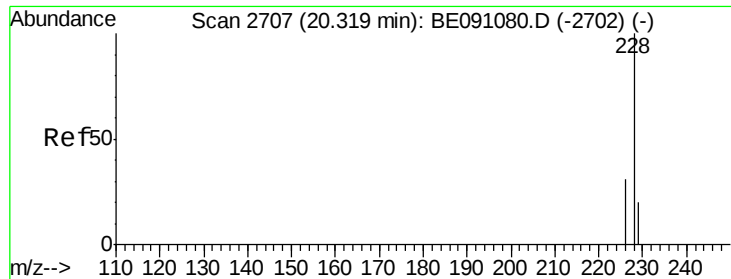


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.25 ng/ul

RT: 20.32 min Scan# 2707

Delta R.T. 0.00 min

Lab File: BE091093.D

Acq: 6 Nov 2015 16:36

Instrument :

BNA_F

ClientSampleId :

C0AP9DL

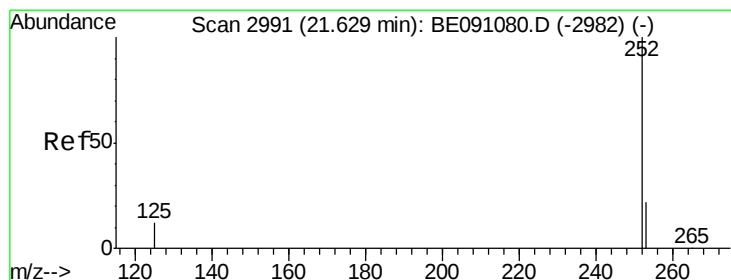
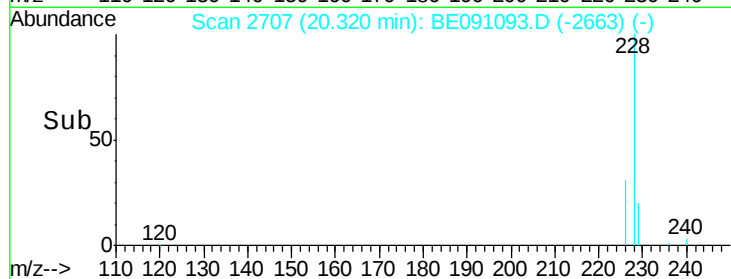
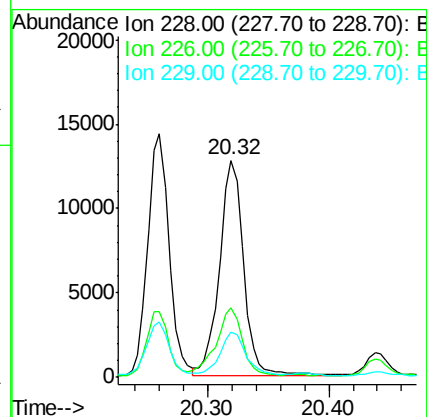
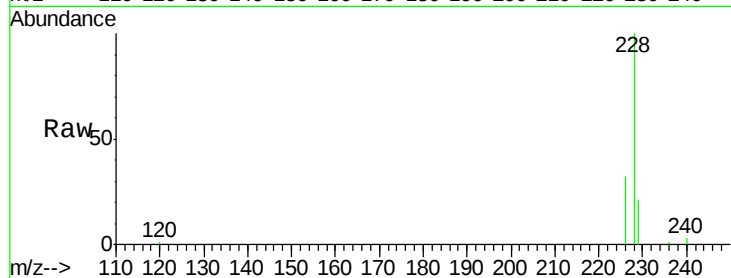
Tgt Ion:228 Resp: 17873

Ion Ratio Lower Upper

228 100

226 31.8 25.7 38.5

229 20.9 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.16 ng/ul

RT: 21.63 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE091093.D

Acq: 6 Nov 2015 16:36

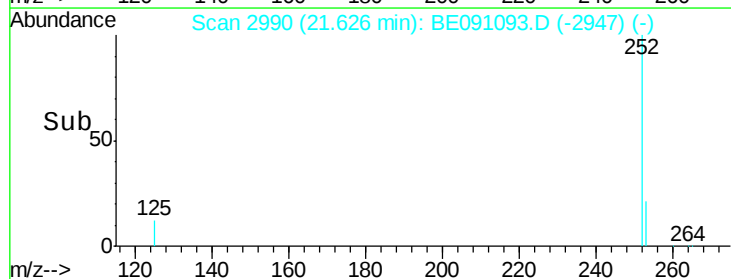
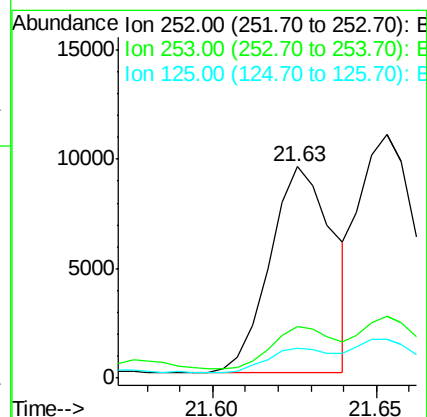
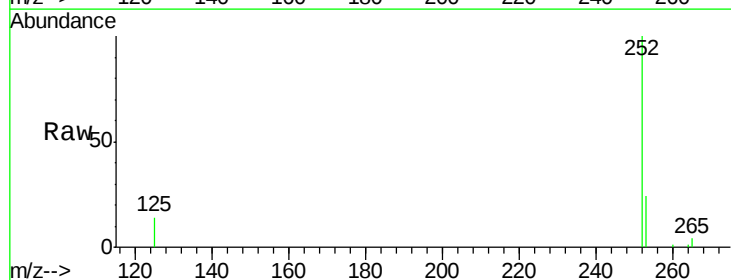
Tgt Ion:252 Resp: 12668

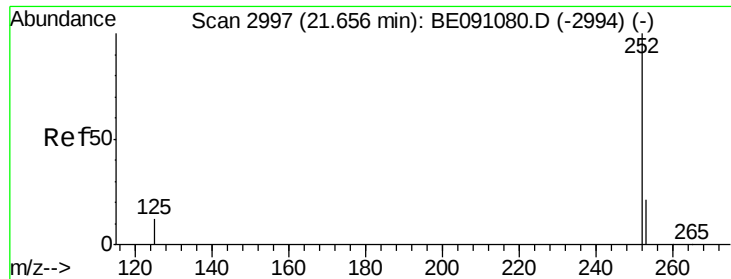
Ion Ratio Lower Upper

252 100

253 24.3 0.0 48.0

125 14.4 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.17 ng/ul

RT: 21.65 min Scan# 2996

Delta R.T. -0.00 min

Lab File: BE091093.D

Acq: 6 Nov 2015 16:36

Instrument :

BNA_F

ClientSampleId :

C0AP9DL

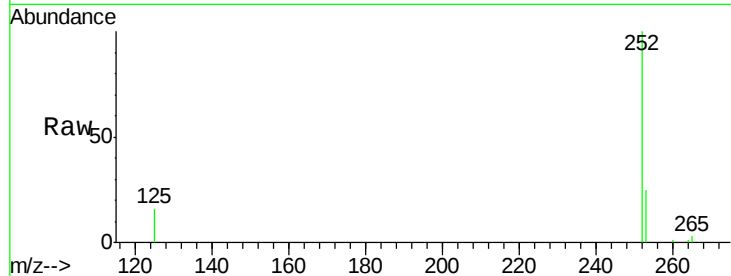
Tgt Ion:252 Resp: 14233

Ion Ratio Lower Upper

252 100

253 25.2 20.8 31.2

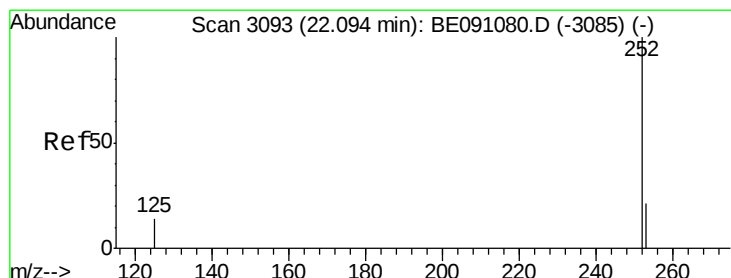
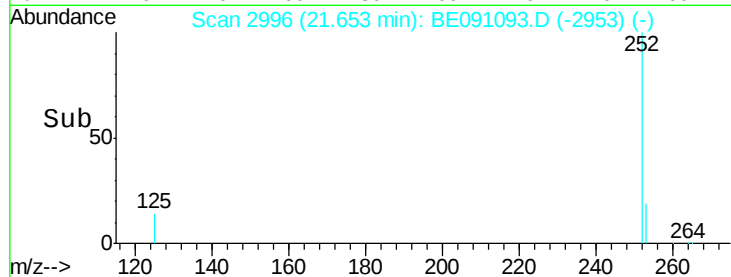
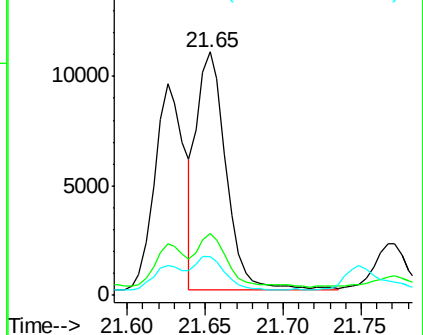
125 15.9 12.2 18.4



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: 0.20 ng/ul

RT: 22.09 min Scan# 3093

Delta R.T. 0.00 min

Lab File: BE091093.D

Acq: 6 Nov 2015 16:36

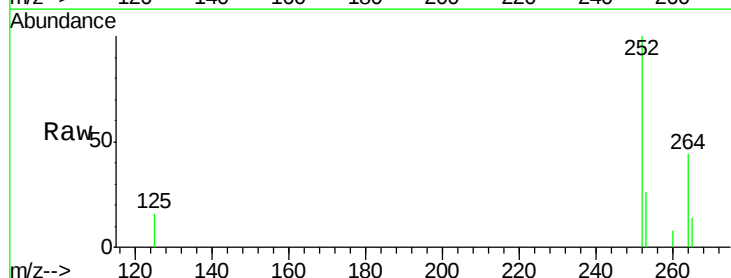
Tgt Ion:252 Resp: 14962

Ion Ratio Lower Upper

252 100

253 25.7 21.8 32.8

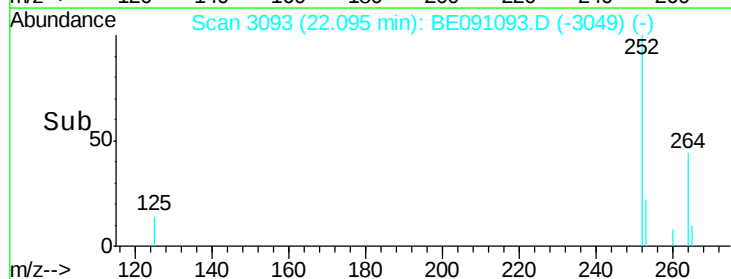
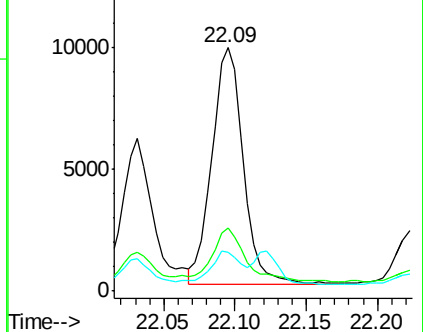
125 16.1 14.5 21.7

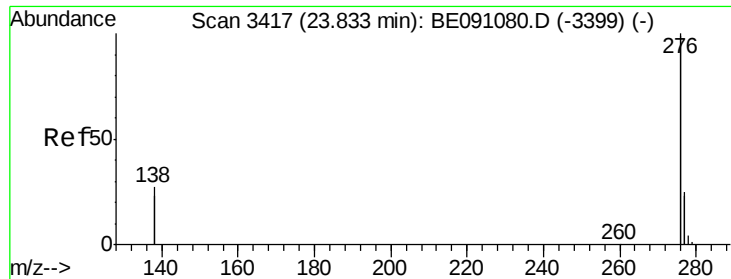


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.11 ng/ul

RT: 23.83 min Scan# 3416

Delta R.T. -0.00 min

Lab File: BE091093.D

Acq: 6 Nov 2015 16:36

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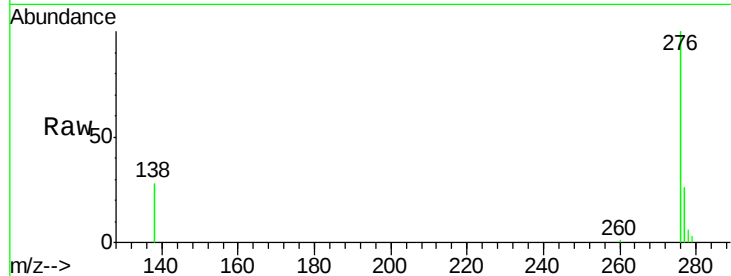
Tgt Ion:276 Resp: 34153

Ion Ratio Lower Upper

276 100

138 22.4 27.5 41.3#

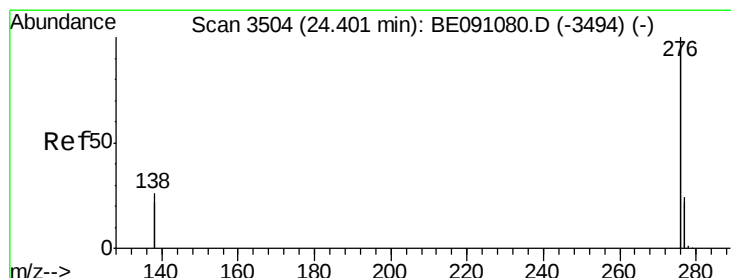
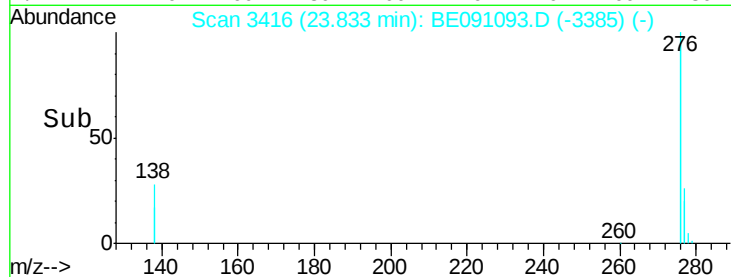
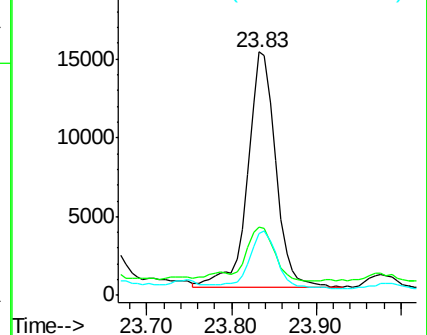
277 24.5 19.3 28.9



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



#28

Benzo(g,h,i)perylene

Concen: 0.09 ng/ul

RT: 24.40 min Scan# 3503

Delta R.T. -0.00 min

Lab File: BE091093.D

Acq: 6 Nov 2015 16:36

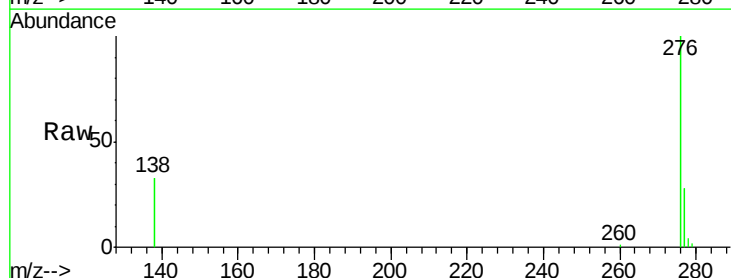
Tgt Ion:276 Resp: 28817

Ion Ratio Lower Upper

276 100

277 27.6 21.3 31.9

138 32.9 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

