

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111115\
 Data File : BE091143.D
 Acq On : 12 Nov 2015 14:02
 Operator : UM/NP
 Sample : G4322-17
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HS8

Quant Time: Nov 13 15:23:30 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 : Fri Nov 13 13:56:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	3424	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	19145	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	11592	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.12	188	27667	0.40	ng/ul	-0.01
18) Chrysene-d12	20.28	240	37583	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	41392	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.92	96	9623	3.91	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	3340	0.13	ng/ul	0.00
16) Fluoranthene-d10	18.12	212	9143	0.12	ng/ul	0.00

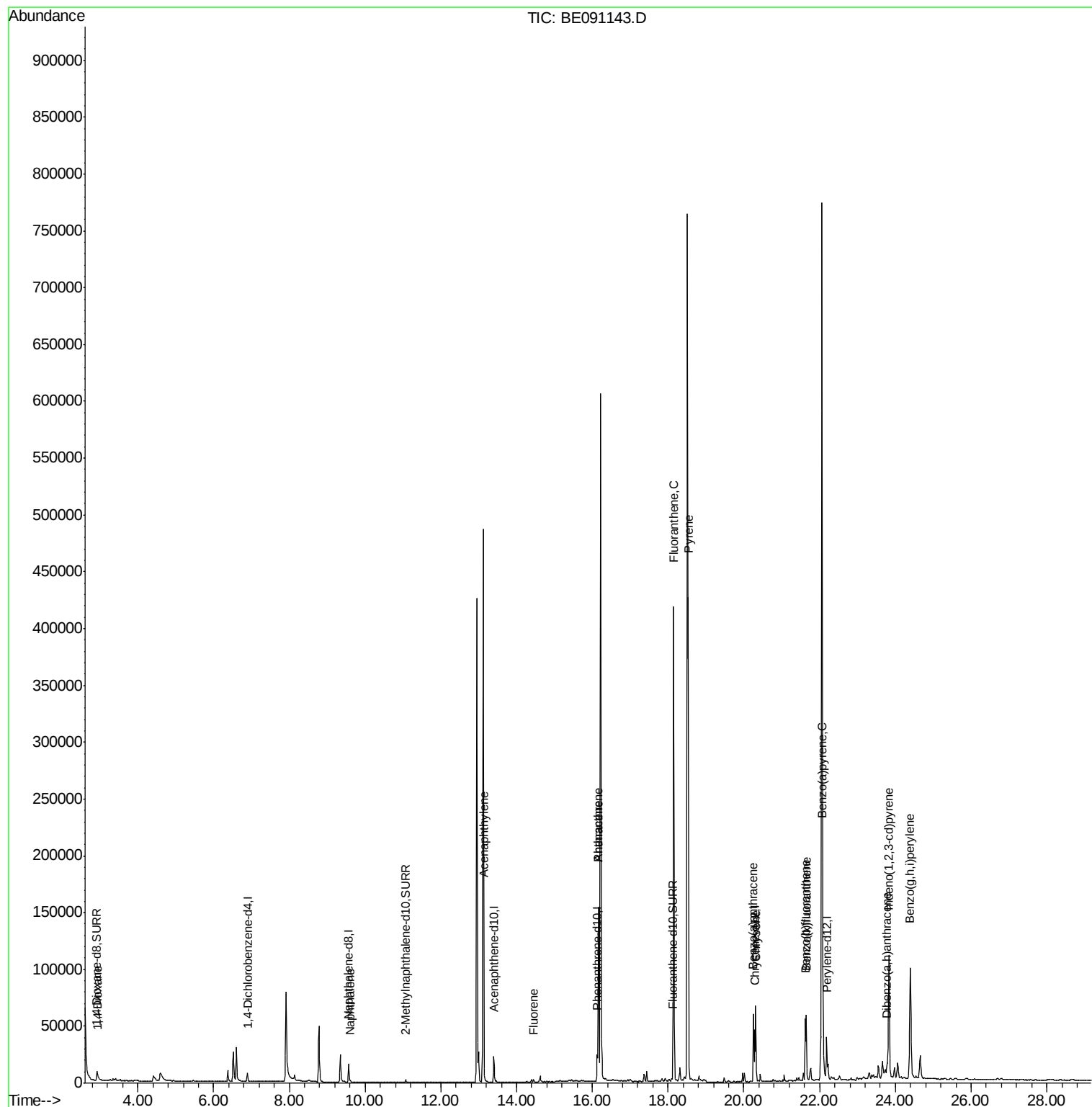
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.94	88	160	0.06	ng/ul#	24
5) Naphthalene	9.61	128	2027	0.04	ng/ul#	87
9) Acenaphthylene	13.14	152	6397	0.11	ng/ul	98
11) Fluorene	14.45	166	1529	0.03	ng/ul#	89
14) Phenanthrene	16.16	178	172357	0.54	ng/ul	98
15) Anthracene	16.16	178	171965	0.59	ng/ul	96
17) Fluoranthene	18.15	202	434510	1.16	ng/ul	90
19) Pyrene	18.53	202	415701	0.97	ng/ul#	80
20) Benzo(a)anthracene	20.26	228	45410	0.47	ng/ul	95
21) Chrysene	20.31	228	61221	0.55	ng/ul	99
23) Benzo(b)fluoranthene	21.63	252	52022	0.40	ng/ul	94
24) Benzo(k)fluoranthene	21.65	252	55273	0.42	ng/ul	96
25) Benzo(a)pyrene	22.09	252	55493	0.47	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.83	276	160502	0.32	ng/ul#	87
27) Dibenzo(a,h)anthracene	23.79	278	9581	0.08	ng/ul#	71
28) Benzo(g,h,i)perylene	24.40	276	152484	0.29	ng/ul	98

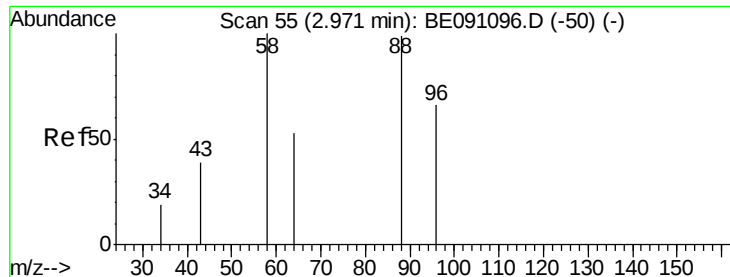
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.06 ng/ul

RT: 2.94 min Scan# 51

Delta R.T. -0.03 min

Lab File: BE091143.D

Acq: 12 Nov 2015 14:02

Instrument :

BNA_E

ClientSampleId :

A4HS8

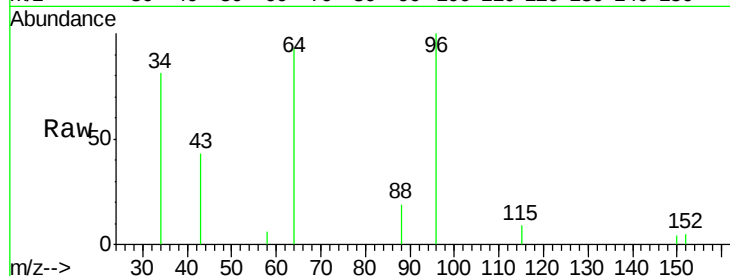
Tgt Ion: 88 Resp: 160

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

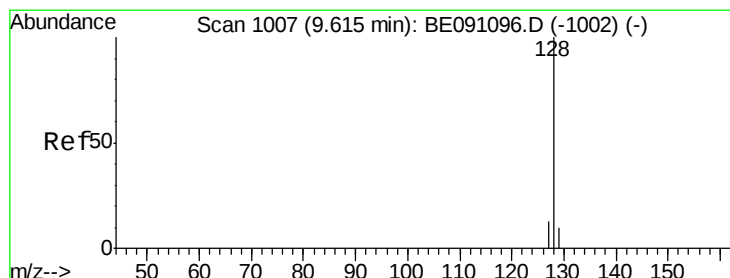
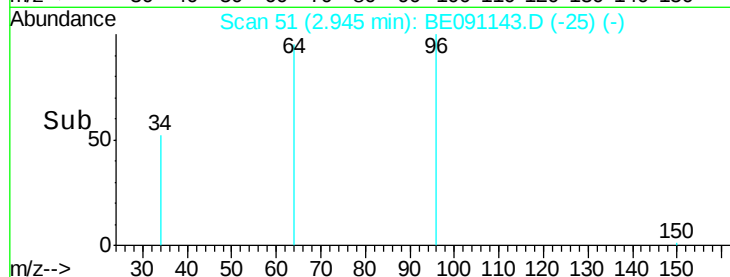
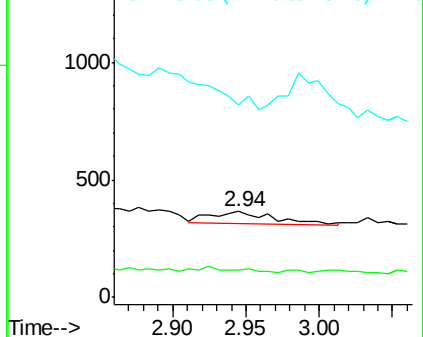
43 0.0 24.2 36.2#



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



#5

Naphthalene

Concen: 0.04 ng/ul

RT: 9.61 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BE091143.D

Acq: 12 Nov 2015 14:02

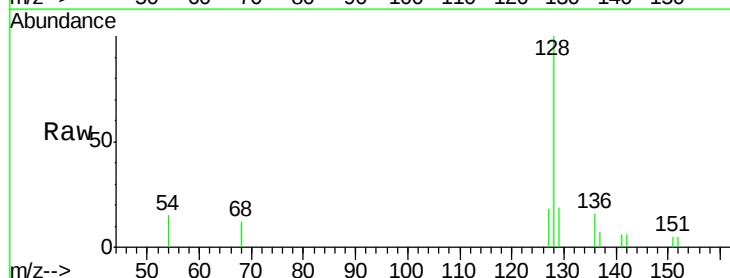
Tgt Ion: 128 Resp: 2027

Ion Ratio Lower Upper

128 100

129 18.7 9.8 14.8#

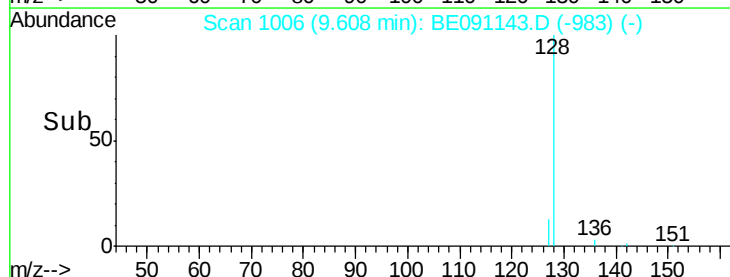
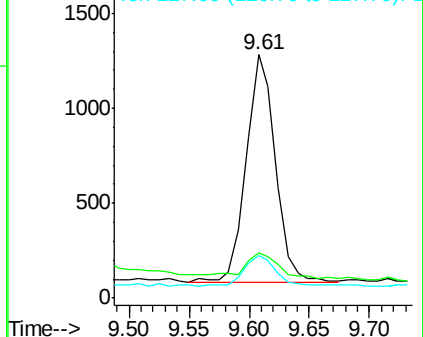
127 17.6 10.7 16.1#

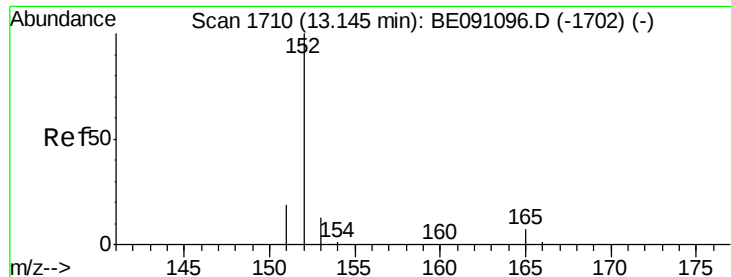


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#9

Acenaphthylene

Concen: 0.11 ng/ul

RT: 13.14 min Scan# 1709

Delta R.T. -0.01 min

Lab File: BE091143.D

Acq: 12 Nov 2015 14:02

Instrument :

BNA_E

ClientSampleId :

A4HS8

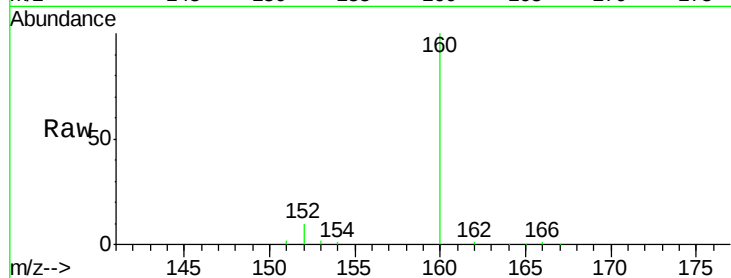
Tgt Ion:152 Resp: 6397

Ion Ratio Lower Upper

152 100

151 21.5 16.8 25.2

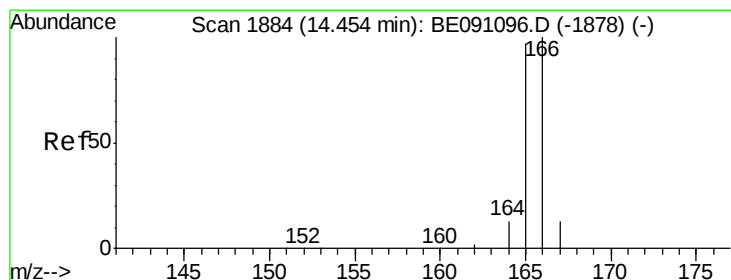
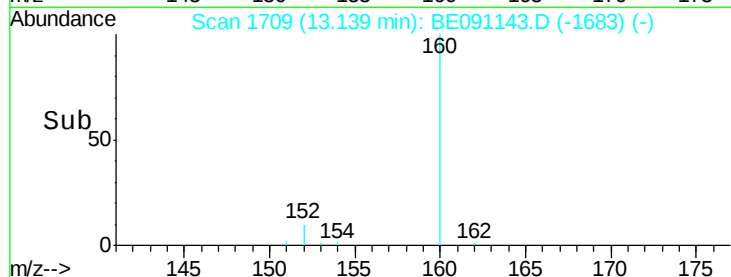
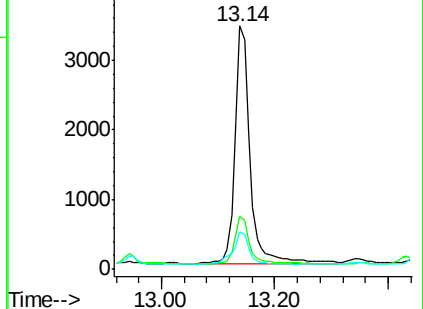
153 15.3 11.3 16.9



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



#11

Fluorene

Concen: 0.03 ng/ul

RT: 14.45 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BE091143.D

Acq: 12 Nov 2015 14:02

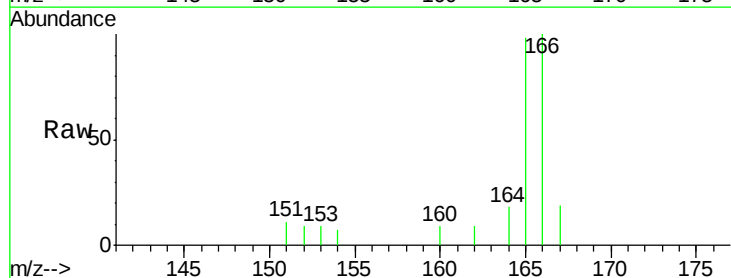
Tgt Ion:166 Resp: 1529

Ion Ratio Lower Upper

166 100

165 98.3 87.6 131.4

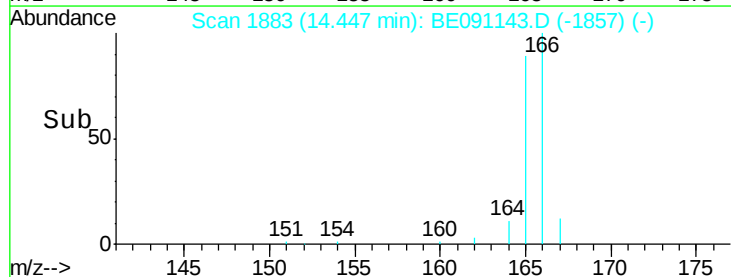
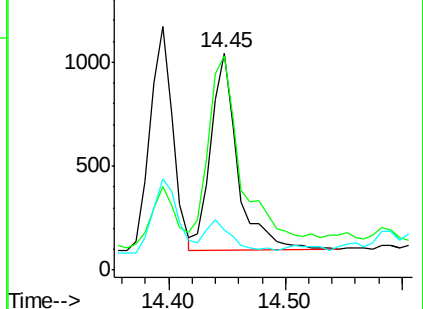
167 18.7 11.1 16.7#

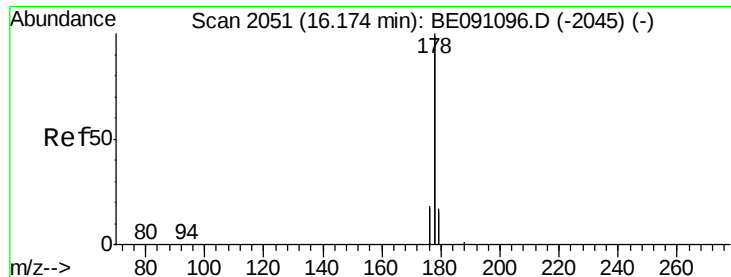


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#14

Phenanthrene

Concen: 0.54 ng/ul

RT: 16.16 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BE091143.D

Acq: 12 Nov 2015 14:02

Instrument :

BNA_E

ClientSampleId :

A4HS8

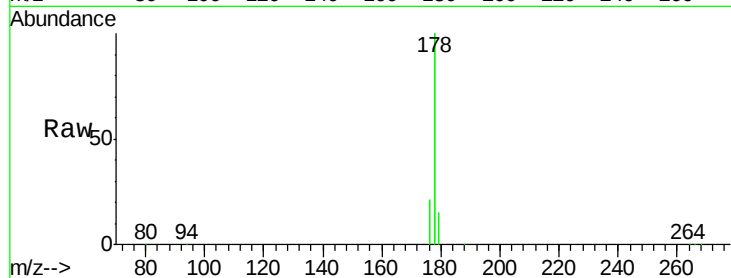
Tgt Ion:178 Resp: 172357

Ion Ratio Lower Upper

178 100

176 21.2 16.2 24.4

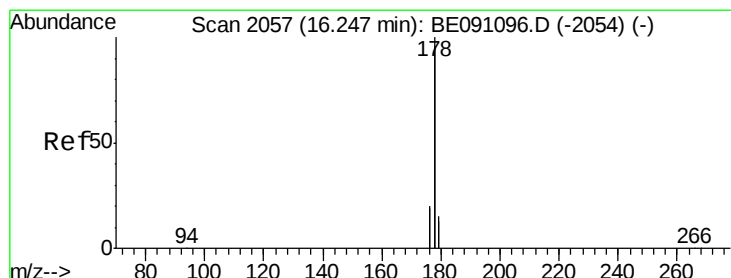
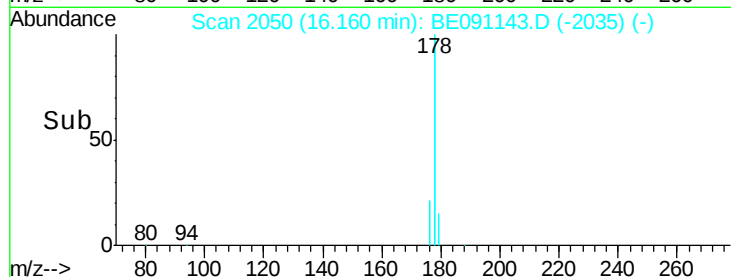
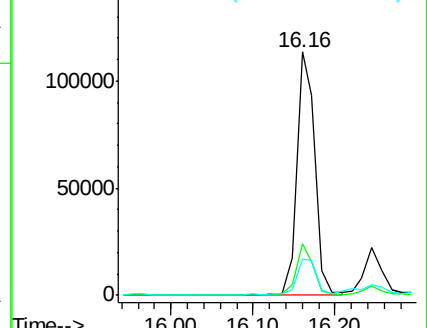
179 14.8 12.8 19.2



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: 0.59 ng/ul

RT: 16.16 min Scan# 2050

Delta R.T. -0.09 min

Lab File: BE091143.D

Acq: 12 Nov 2015 14:02

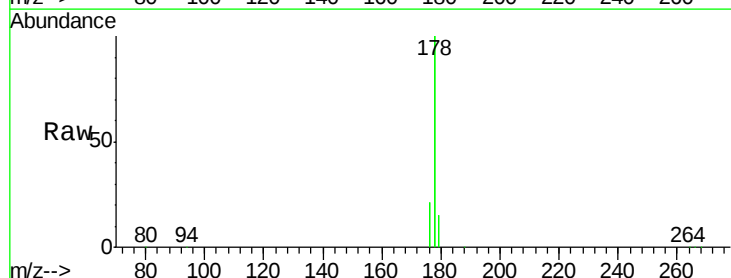
Tgt Ion:178 Resp: 171965

Ion Ratio Lower Upper

178 100

176 21.2 15.8 23.8

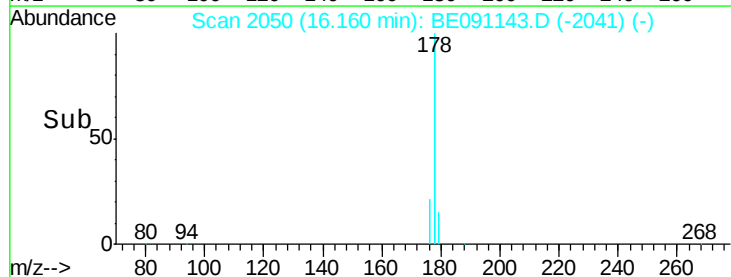
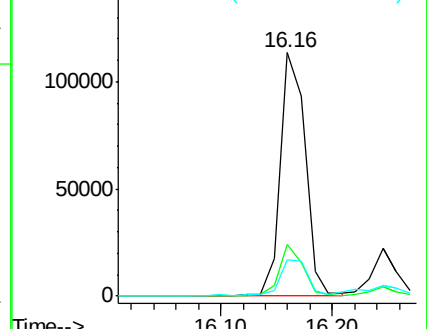
179 14.8 13.3 19.9

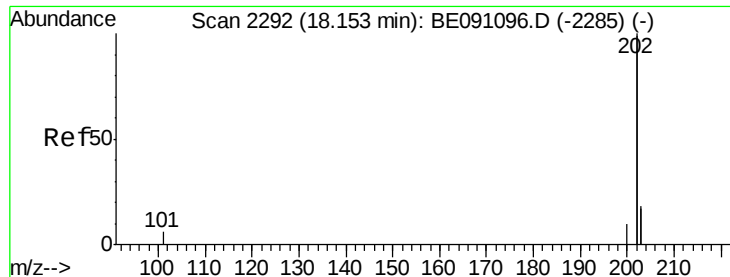


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

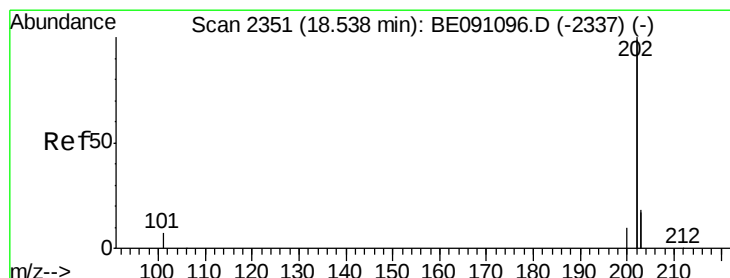
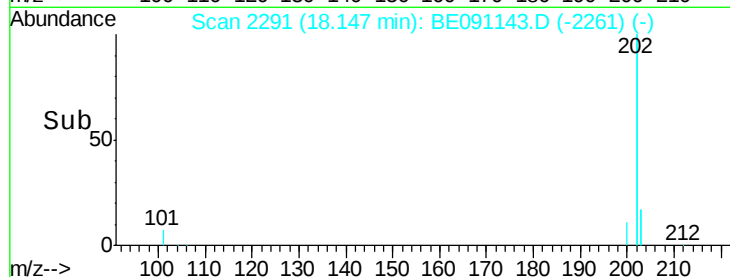
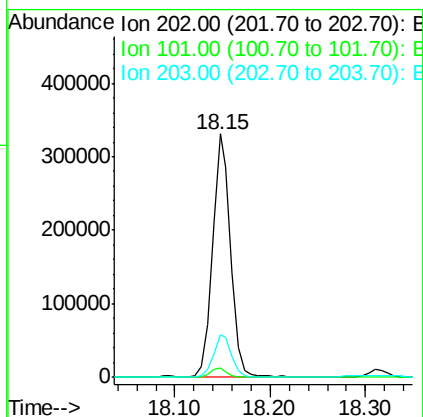
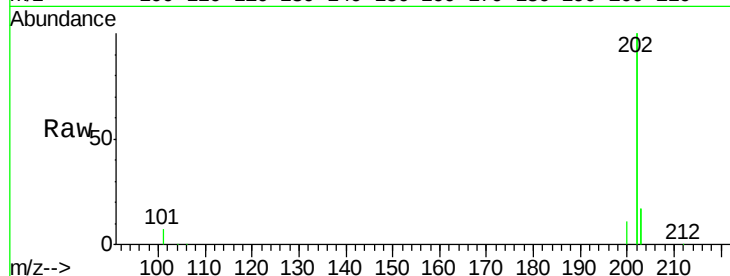




#17
Fluoranthene
 Concen: 1.16 ng/ul
 RT: 18.15 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BE091143.D
 Acq: 12 Nov 2015 14:02

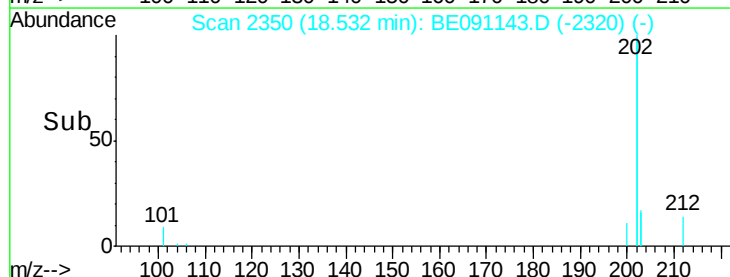
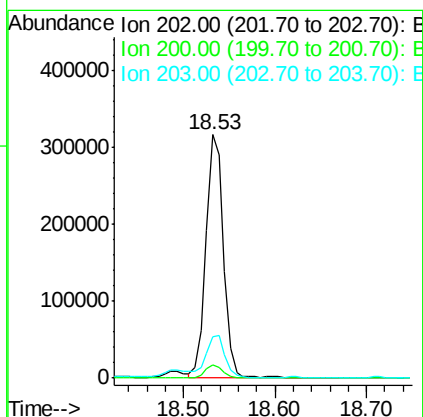
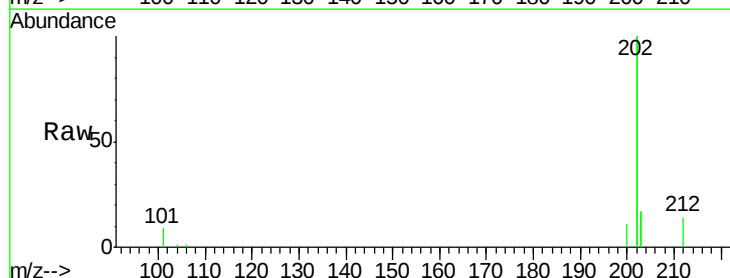
Instrument :
 BNA_E
 ClientSampleId :
 A4HS8

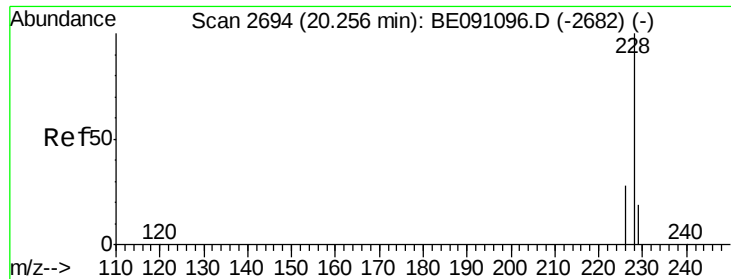
Tgt Ion: 202 Resp: 434510
 Ion Ratio Lower Upper
 202 100
 101 3.7 0.0 33.1
 203 17.3 0.0 37.2



#19
Pyrene
 Concen: 0.97 ng/ul
 RT: 18.53 min Scan# 2350
 Delta R.T. -0.01 min
 Lab File: BE091143.D
 Acq: 12 Nov 2015 14:02

Tgt Ion: 202 Resp: 415701
 Ion Ratio Lower Upper
 202 100
 200 5.6 18.0 27.0#
 203 17.0 13.8 20.6





#20

Benzo(a)anthracene

Concen: 0.47 ng/ul

RT: 20.26 min Scan# 2693

Delta R.T. -0.00 min

Lab File: BE091143.D

Acq: 12 Nov 2015 14:02

Instrument :

BNA_E

ClientSampleId :

A4HS8

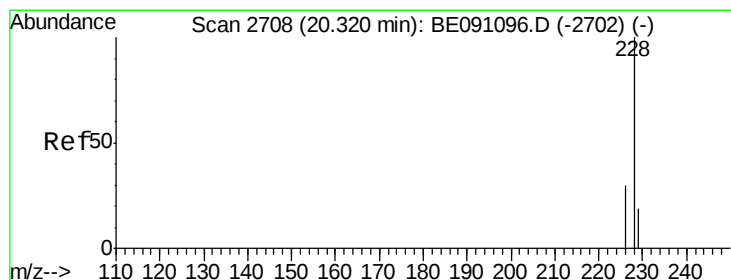
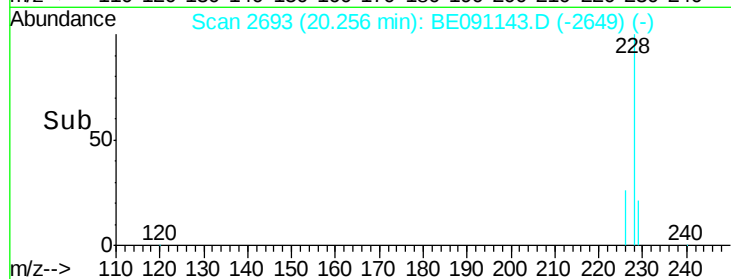
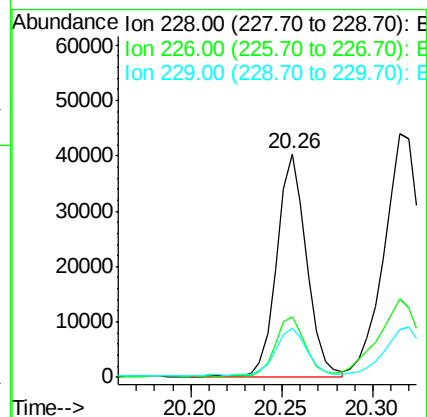
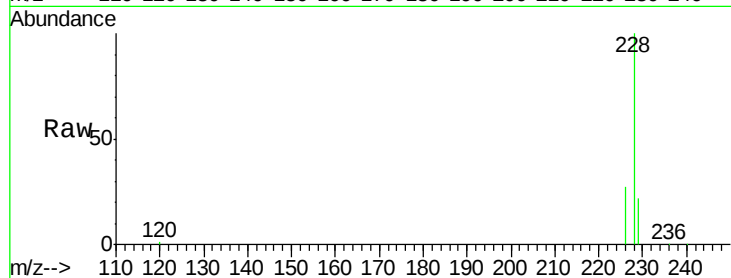
Tgt Ion:228 Resp: 45410

Ion Ratio Lower Upper

228 100

226 26.9 23.0 34.4

229 22.2 15.2 22.8



#21

Chrysene

Concen: 0.55 ng/ul

RT: 20.31 min Scan# 2706

Delta R.T. -0.00 min

Lab File: BE091143.D

Acq: 12 Nov 2015 14:02

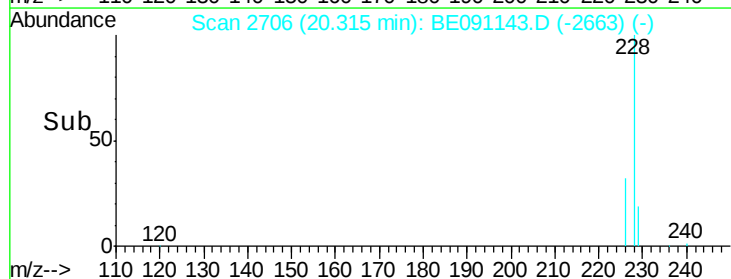
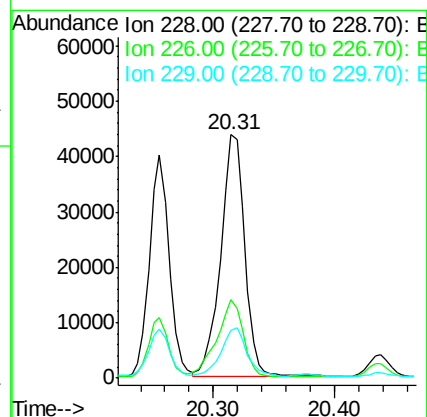
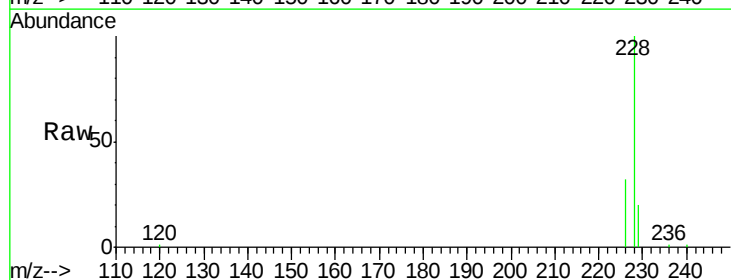
Tgt Ion:228 Resp: 61221

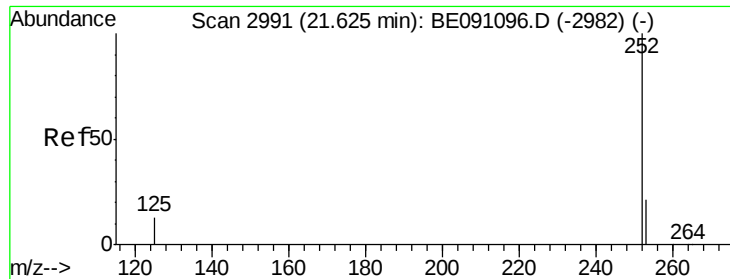
Ion Ratio Lower Upper

228 100

226 32.1 25.7 38.5

229 19.8 15.2 22.8





#23

Benzo(b)fluoranthene

Concen: 0.40 ng/ul

RT: 21.63 min Scan# 2990

Delta R.T. 0.00 min

Lab File: BE091143.D

Acq: 12 Nov 2015 14:02

Instrument :

BNA_E

ClientSampleId :

A4HS8

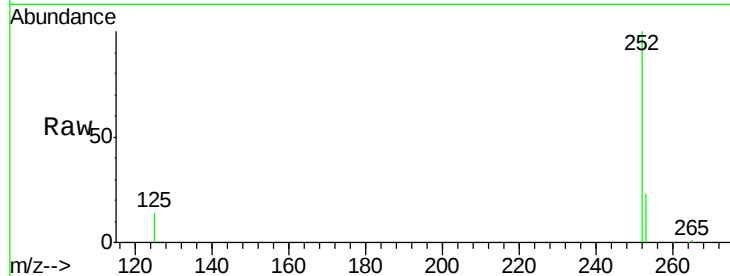
Tgt Ion:252 Resp: 52022

Ion Ratio Lower Upper

252 100

253 23.0 0.0 48.0

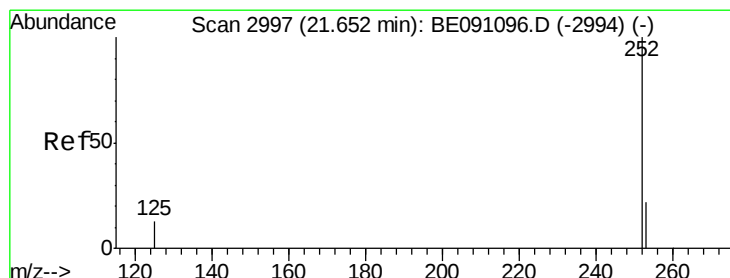
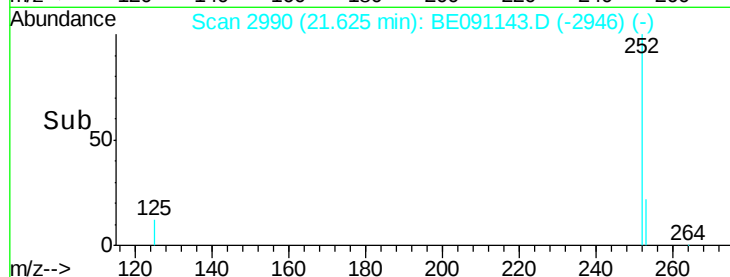
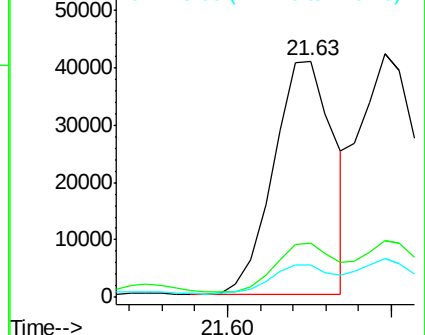
125 13.6 0.0 36.6



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: 0.42 ng/ul

RT: 21.65 min Scan# 2995

Delta R.T. -0.00 min

Lab File: BE091143.D

Acq: 12 Nov 2015 14:02

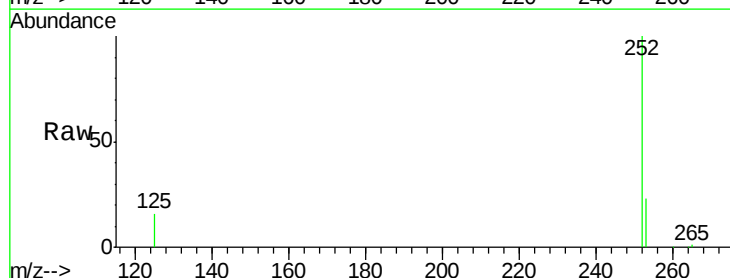
Tgt Ion:252 Resp: 55273

Ion Ratio Lower Upper

252 100

253 23.1 20.8 31.2

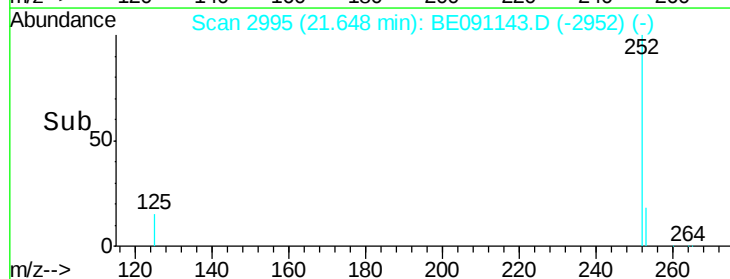
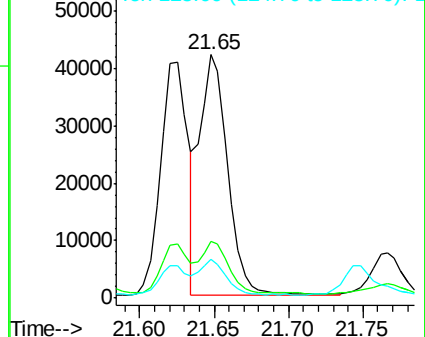
125 16.2 12.2 18.4

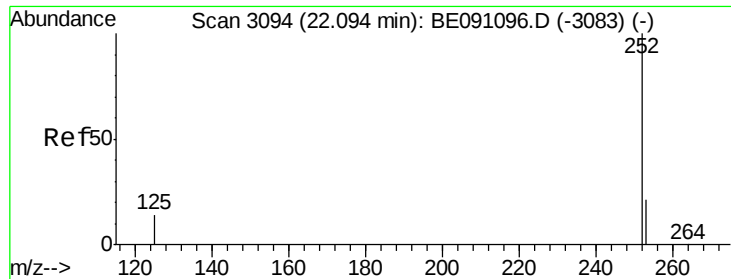


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.47 ng/ul

RT: 22.09 min Scan# 3092

Delta R.T. -0.00 min

Lab File: BE091143.D

Acq: 12 Nov 2015 14:02

Instrument :

BNA_E

ClientSampleId :

A4HS8

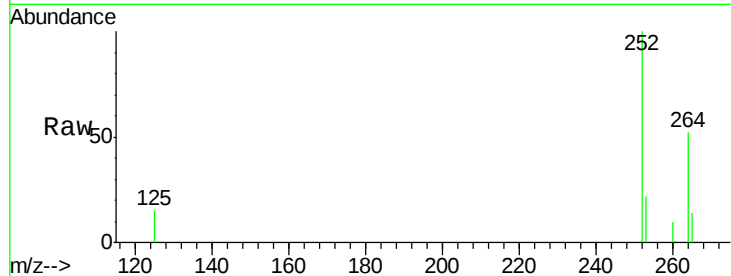
Tgt Ion:252 Resp: 55493

Ion Ratio Lower Upper

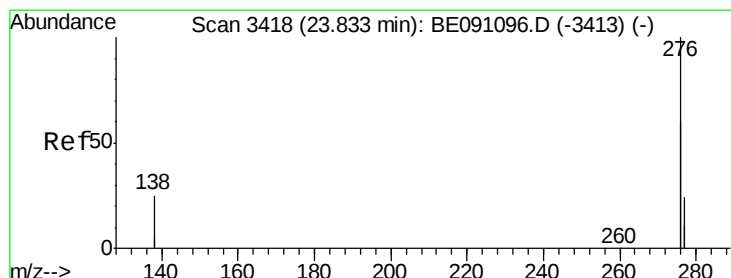
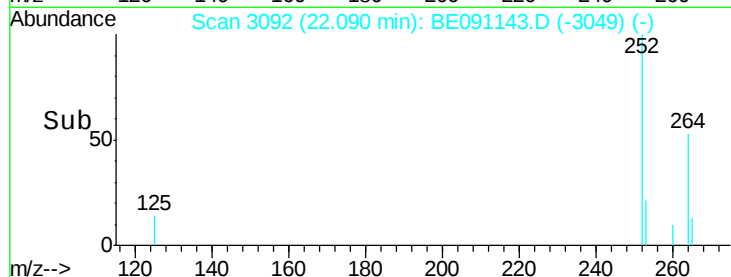
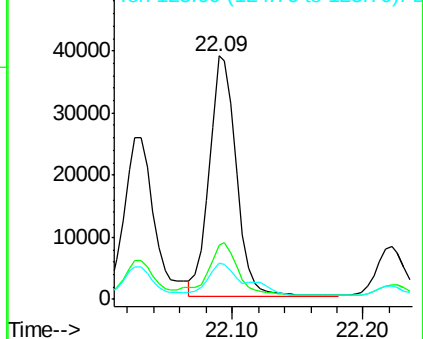
252 100

253 22.4 21.8 32.8

125 15.0 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: 0.32 ng/ul

RT: 23.83 min Scan# 3417

Delta R.T. 0.00 min

Lab File: BE091143.D

Acq: 12 Nov 2015 14:02

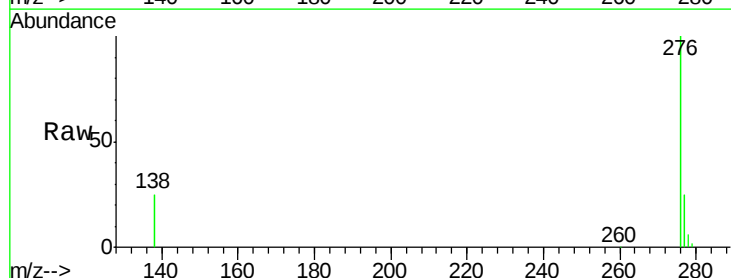
Tgt Ion:276 Resp: 160502

Ion Ratio Lower Upper

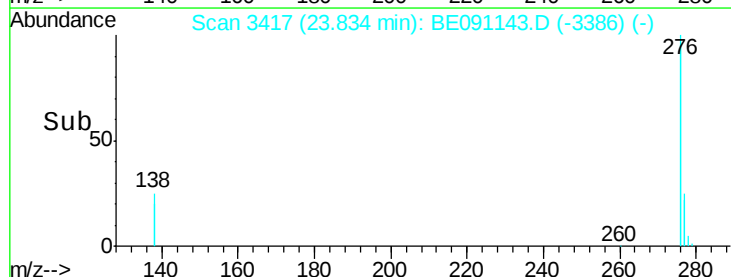
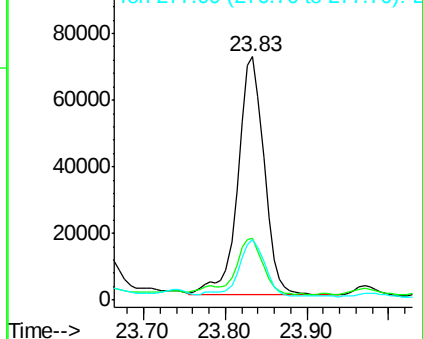
276 100

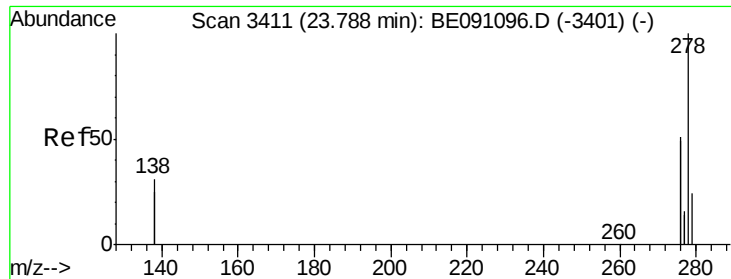
138 22.4 27.5 41.3#

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

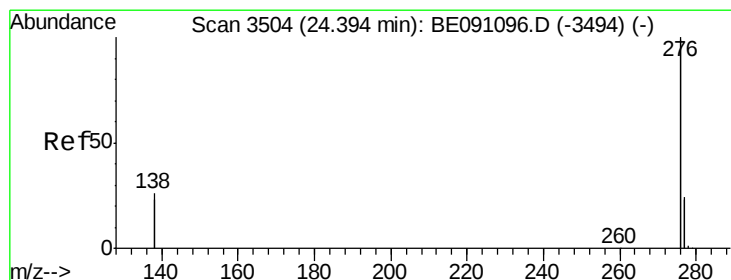
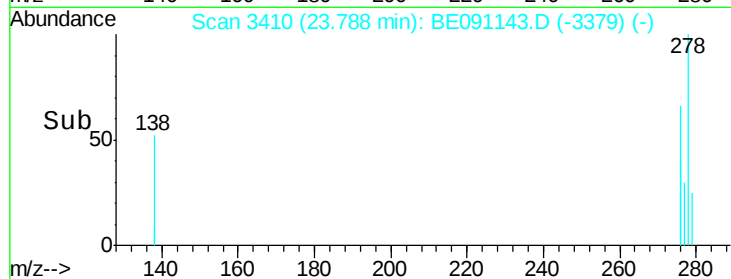
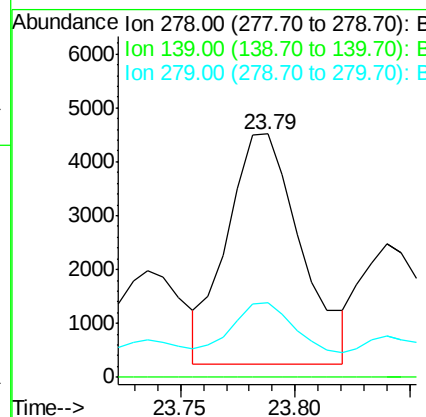
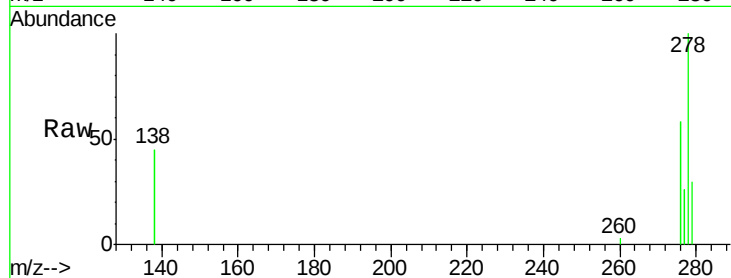




#27
Dibenzo(a,h)anthracene
Concen: 0.08 ng/ul
RT: 23.79 min Scan# 3410
Delta R.T. 0.00 min
Lab File: BE091143.D
Acq: 12 Nov 2015 14:02

Instrument :
BNA_E
ClientSampleId :
A4HS8

Tgt Ion: 278 Resp: 9581
Ion Ratio Lower Upper
278 100
139 0.0 21.7 32.5#
279 30.4 21.9 32.9



#28
Benzo(g,h,i)perylene
Concen: 0.29 ng/ul
RT: 24.40 min Scan# 3504
Delta R.T. 0.01 min
Lab File: BE091143.D
Acq: 12 Nov 2015 14:02

Tgt Ion: 276 Resp: 152484
Ion Ratio Lower Upper
276 100
277 25.7 21.3 31.9
138 30.4 25.5 38.3

