

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091278.D
 Acq On : 21 Nov 2015 15:27
 Operator : UM/NP
 Sample : G4346-07MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J72MS

Quant Time: Nov 22 01:33:54 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 : Sun Nov 22 01:30:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	3211	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.56	136	15294	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.36	164	7911	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	19008	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	22789	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	21246	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.93	96	59	0.03	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.05	152	6891	0.33	ng/ul	-0.01
16) Fluoranthene-d10	18.07	212	19235	0.36	ng/ul	0.00

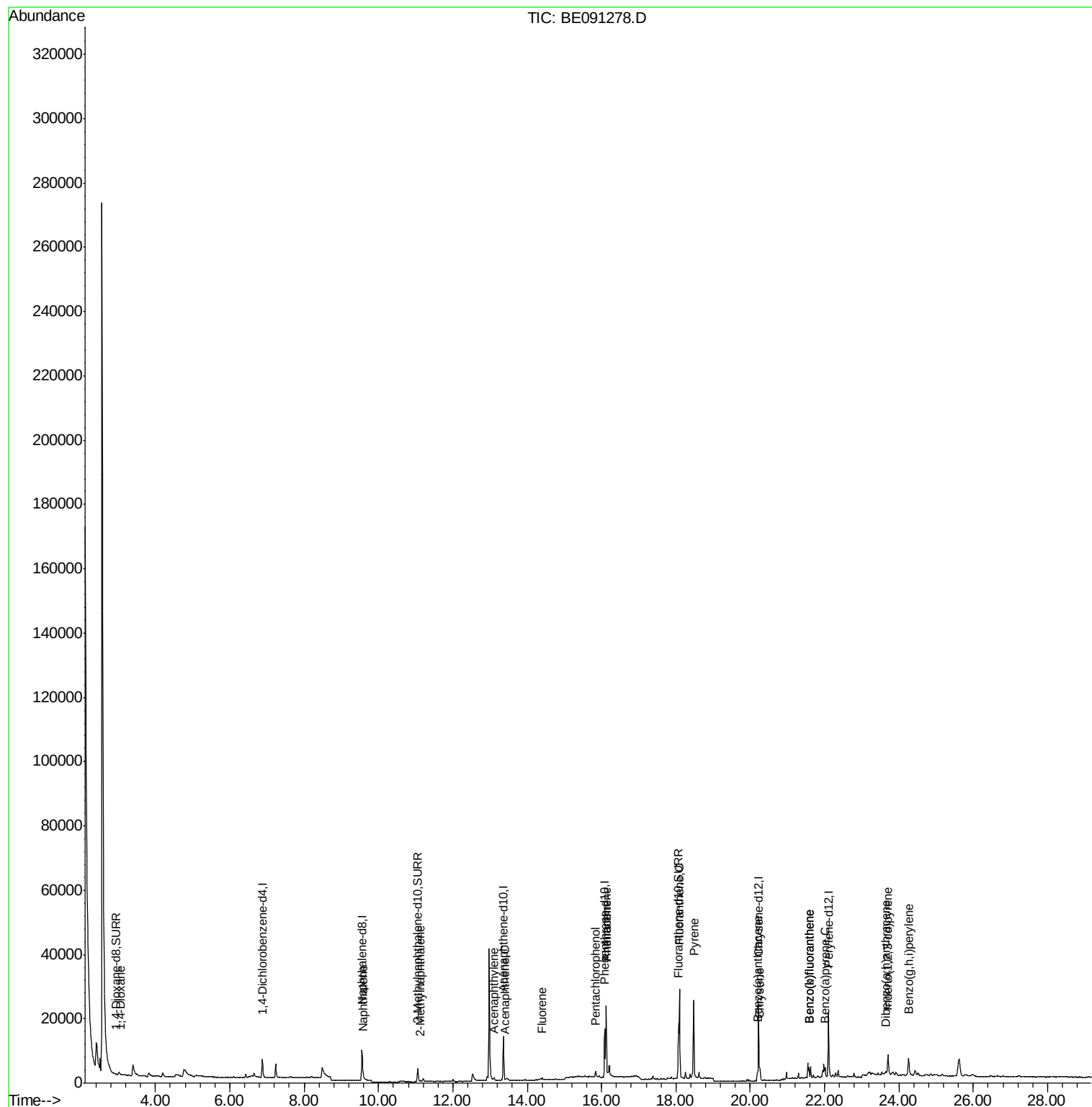
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.07	88	176	0.07	ng/ul#	24
5) Naphthalene	9.60	128	613	0.02	ng/ul#	65
7) 2-Methylnaphthalene	11.12	142	170	0.01	ng/ul	96
9) Acenaphthylene	13.11	152	1005	0.03	ng/ul#	74
10) Acenaphthene	13.41	153	162	0.01	ng/ul#	69
11) Fluorene	14.41	166	501	0.01	ng/ul#	90
13) Pentachlorophenol	15.84	266	1660	0.92	ng/ul	93
14) Phenanthrene	16.12	178	25567	0.12	ng/ul	97
15) Anthracene	16.12	178	25567	0.13	ng/ul	99
17) Fluoranthene	18.09	202	29368	0.11	ng/ul	88
19) Pyrene	18.48	202	27124	0.10	ng/ul#	76
20) Benzo(a)anthracene	20.20	228	3797	0.06	ng/ul#	95
21) Chrysene	20.26	228	4746	0.07	ng/ul	94
23) Benzo(b)fluoranthene	21.58	252	2961	0.04	ng/ul	73
24) Benzo(k)fluoranthene	21.58	252	2961	0.04	ng/ul#	73
25) Benzo(a)pyrene	22.01	252	3150	0.05	ng/ul#	72
26) Indeno(1,2,3-cd)pyrene	23.71	276	8148	0.03	ng/ul	95
27) Dibenzo(a,h)anthracene	23.66	278	888	0.01	ng/ul#	48
28) Benzo(g,h,i)perylene	24.26	276	9052	0.03	ng/ul#	69

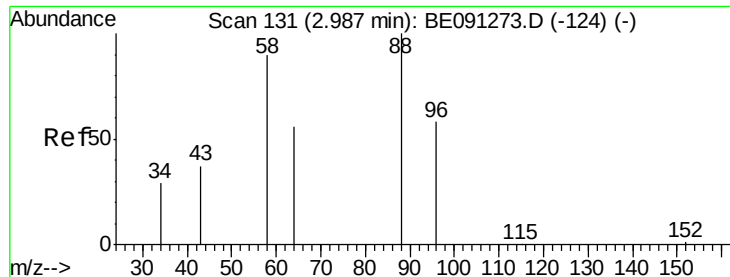
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.07 ng/ul

RT: 3.07 min Scan# 143

Delta R.T. 0.08 min

Lab File: BE091278.D

Acq: 21 Nov 2015 15:27

Instrument :

BNA_E

ClientSampled :

A4J72MS

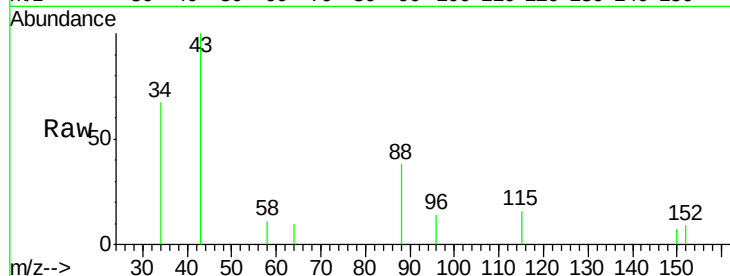
Tgt Ion: 88 Resp: 176

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

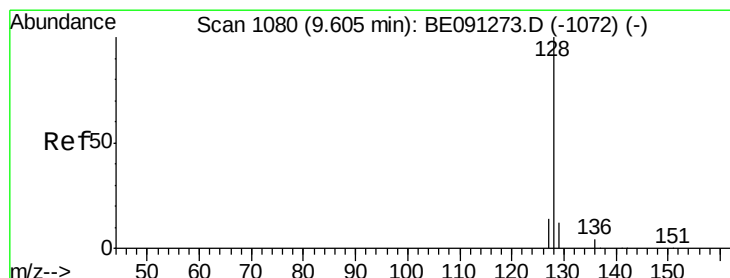
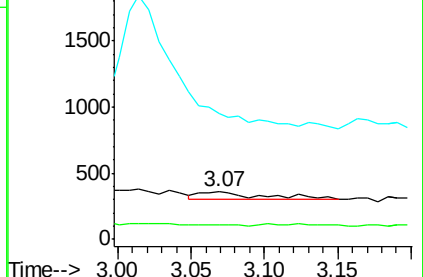
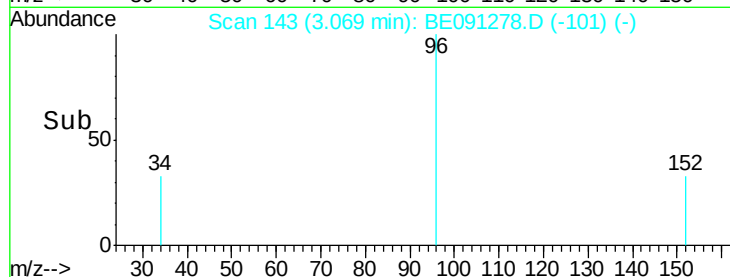
43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091278.D (-101) (-)

Ion 58.00 (57.70 to 58.70): BE091278.D (-101) (-)

Ion 43.00 (42.70 to 43.70): BE091278.D (-101) (-)



#5

Naphthalene

Concen: 0.02 ng/ul

RT: 9.60 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BE091278.D

Acq: 21 Nov 2015 15:27

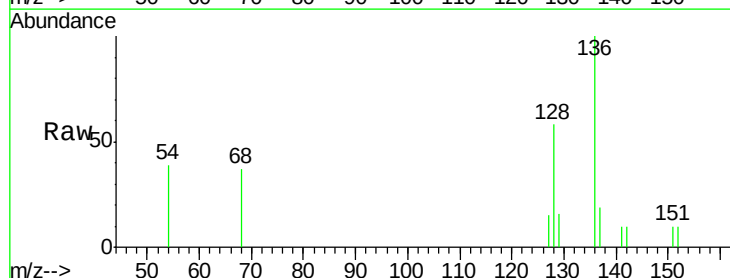
Tgt Ion: 128 Resp: 613

Ion Ratio Lower Upper

128 100

129 27.4 9.8 14.8#

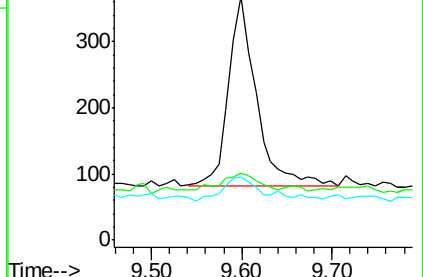
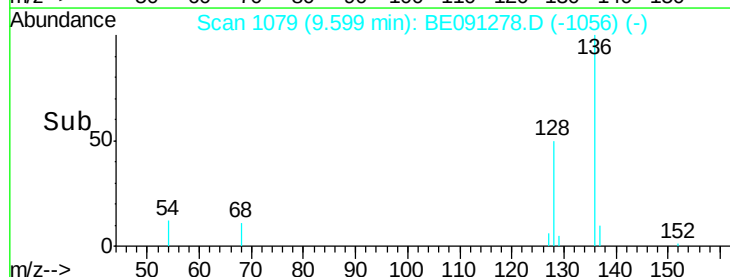
127 26.1 10.7 16.1#

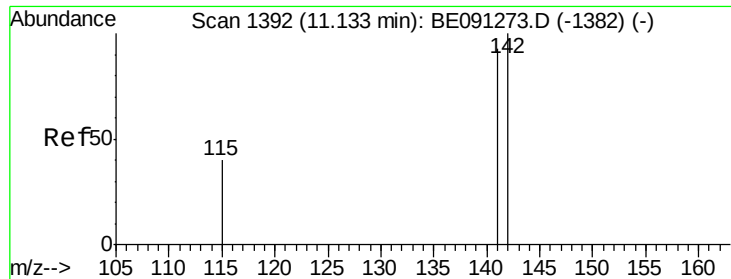


Abundance Ion 128.00 (127.70 to 128.70): BE091278.D (-1056) (-)

Ion 129.00 (128.70 to 129.70): BE091278.D (-1056) (-)

Ion 127.00 (126.70 to 127.70): BE091278.D (-1056) (-)





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 11.12 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE091278.D

Acq: 21 Nov 2015 15:27

Instrument :

BNA_E

ClientSampleId :

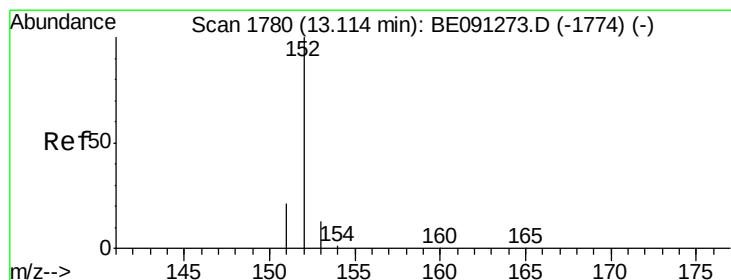
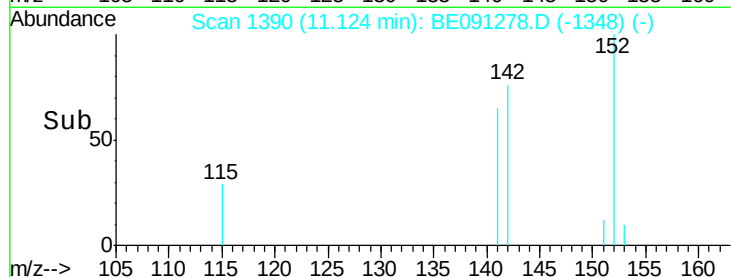
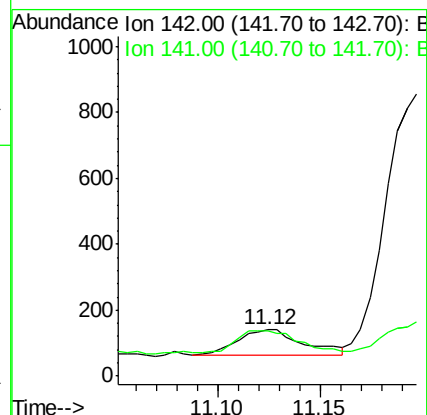
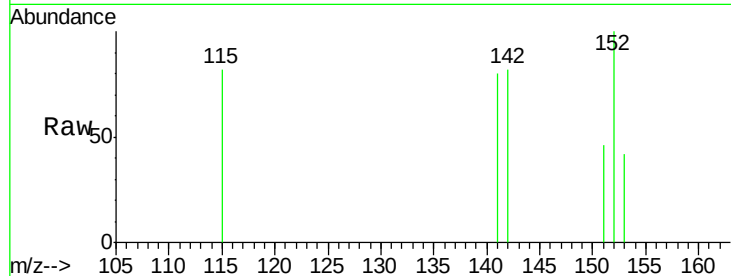
A4J72MS

Tgt Ion:142 Resp: 170

Ion Ratio Lower Upper

142 100

141 91.8 70.3 105.5



#9

Acenaphthylene

Concen: 0.03 ng/ul

RT: 13.11 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE091278.D

Acq: 21 Nov 2015 15:27

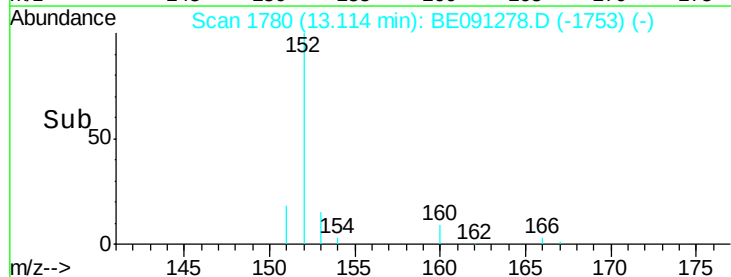
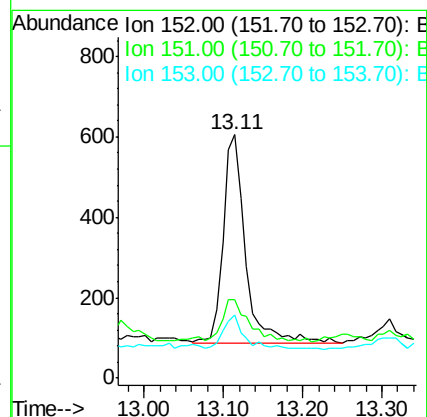
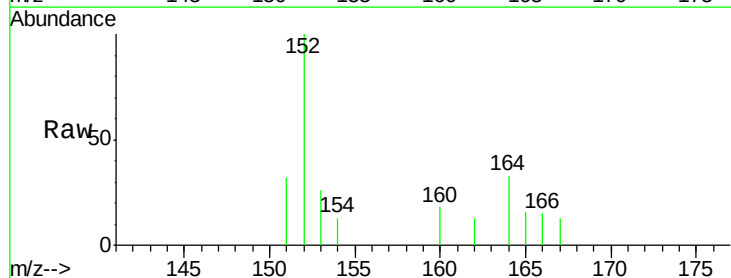
Tgt Ion:152 Resp: 1005

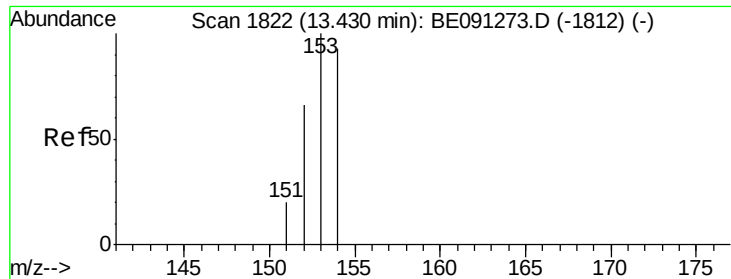
Ion Ratio Lower Upper

152 100

151 32.0 16.8 25.2#

153 25.9 11.3 16.9#





#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 13.41 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091278.D

Acq: 21 Nov 2015 15:27

Instrument :

BNA_E

ClientSampleId :

A4J72MS

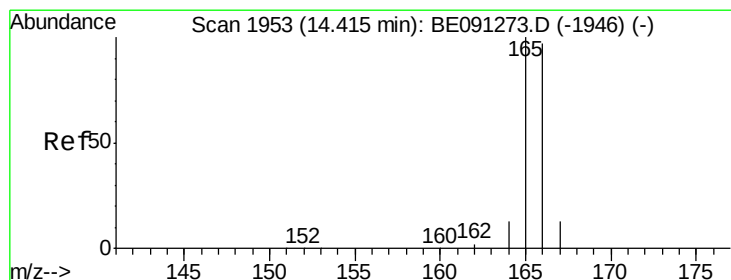
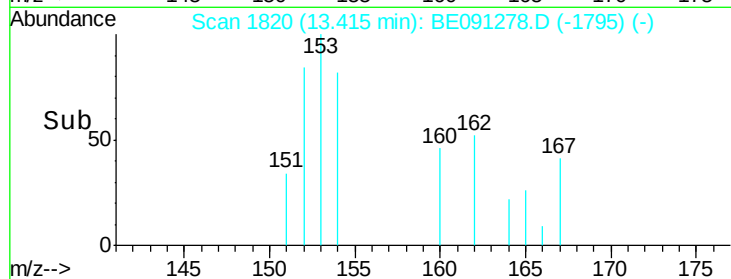
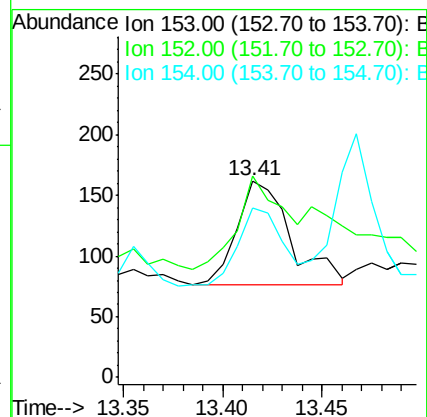
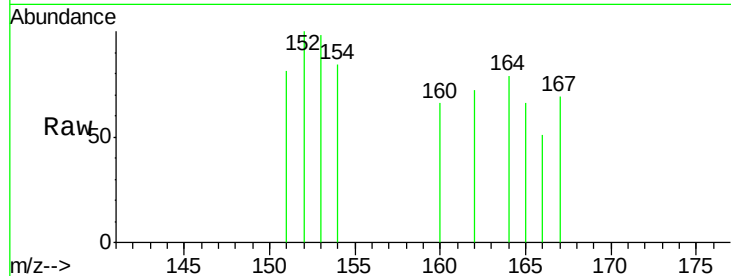
Tgt Ion:153 Resp: 162

Ion Ratio Lower Upper

153 100

152 102.5 42.3 63.5#

154 86.4 64.7 97.1



#11

Fluorene

Concen: 0.01 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091278.D

Acq: 21 Nov 2015 15:27

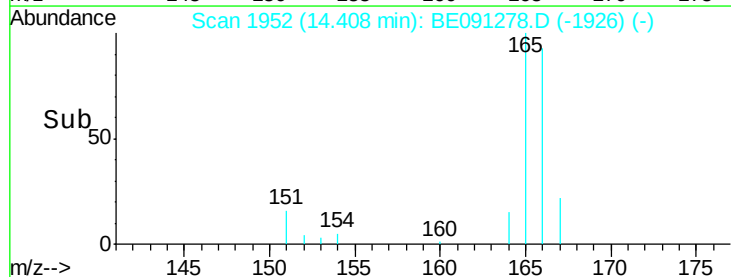
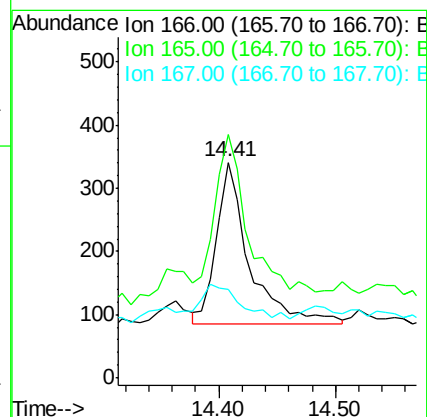
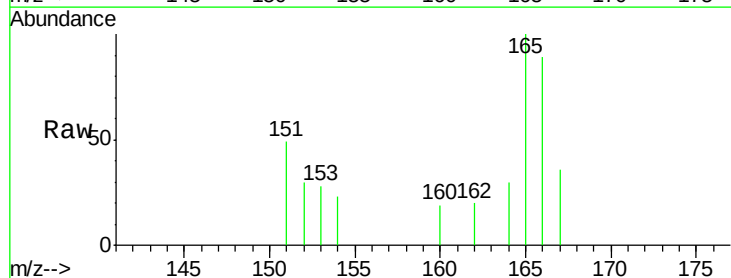
Tgt Ion:166 Resp: 501

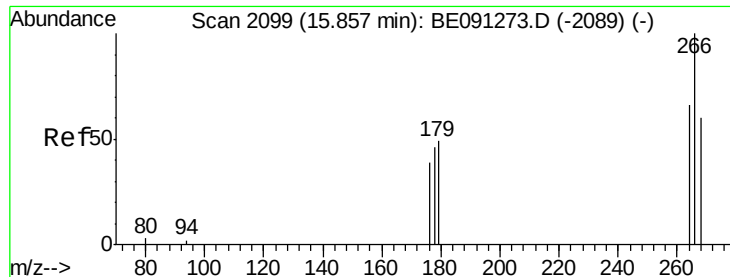
Ion Ratio Lower Upper

166 100

165 112.9 87.6 131.4

167 41.1 11.1 16.7#

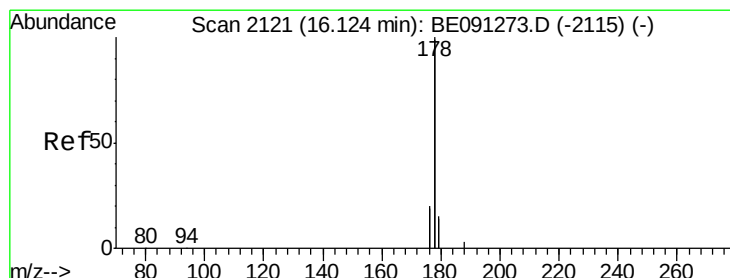
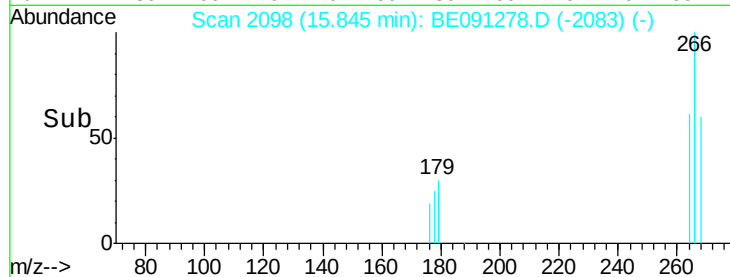
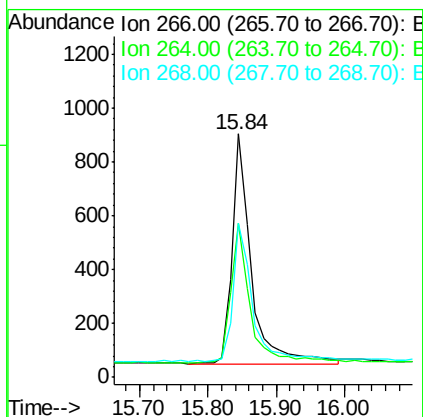
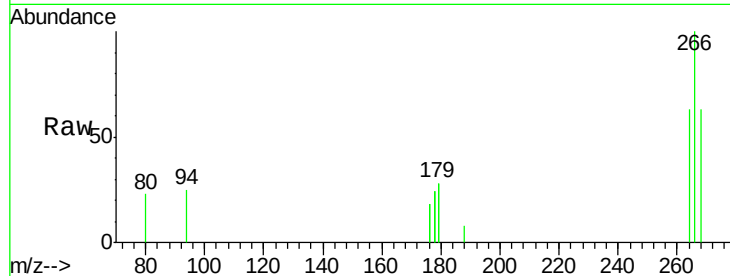




#13
 Pentachlorophenol
 Concen: 0.92 ng/ul
 RT: 15.84 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091278.D
 Acq: 21 Nov 2015 15:27

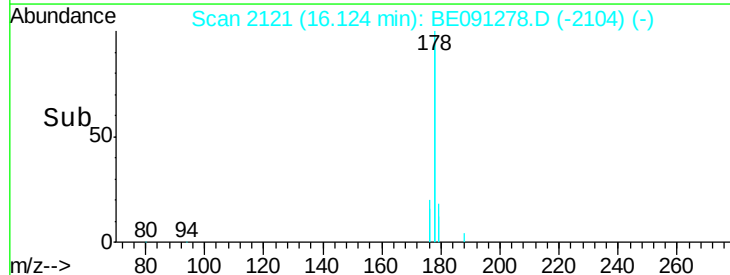
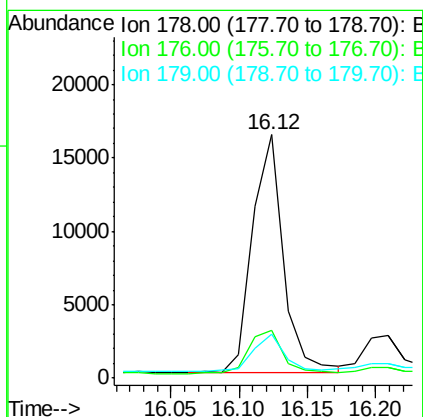
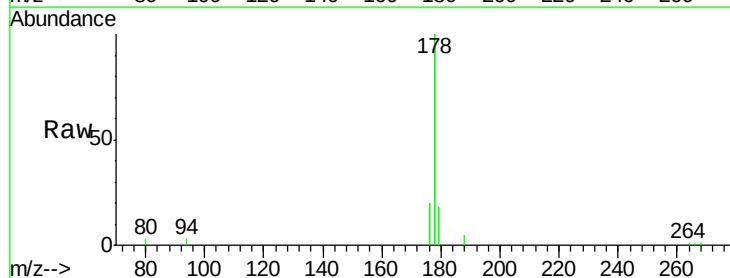
Instrument :
 BNA_E
 ClientSampleId :
 A4J72MS

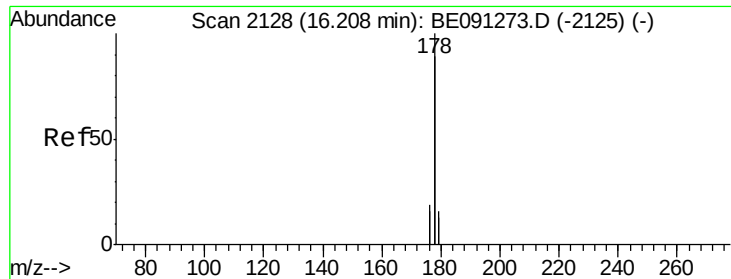
Tgt Ion: 266 Resp: 1660
 Ion Ratio Lower Upper
 266 100
 264 62.0 53.5 80.3
 268 62.0 54.2 81.2



#14
 Phenanthrene
 Concen: 0.12 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE091278.D
 Acq: 21 Nov 2015 15:27

Tgt Ion: 178 Resp: 25567
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.2 24.4
 179 18.0 12.8 19.2

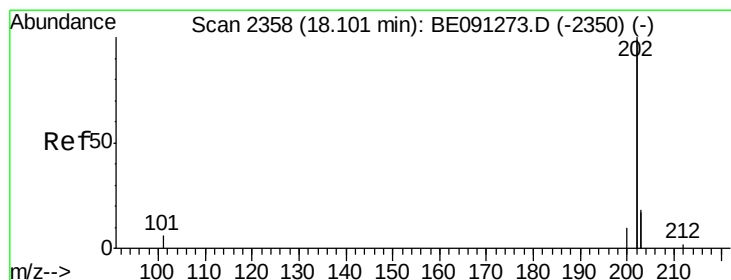
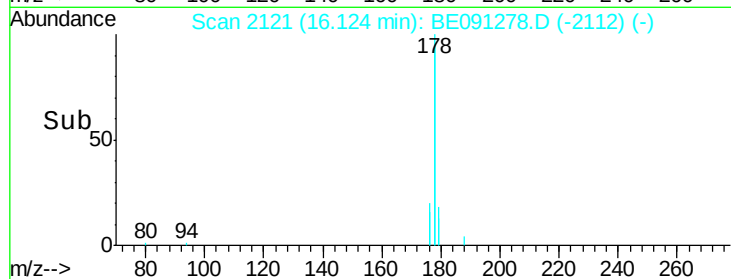
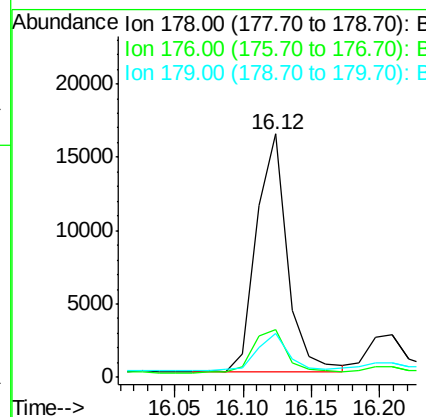
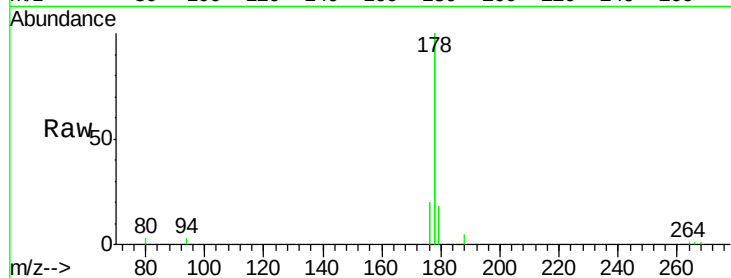




#15
 Anthracene
 Concen: 0.13 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. -0.08 min
 Lab File: BE091278.D
 Acq: 21 Nov 2015 15:27

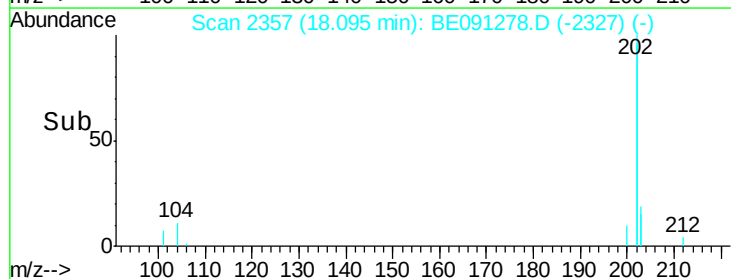
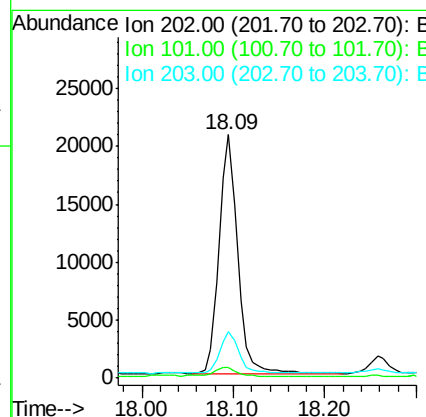
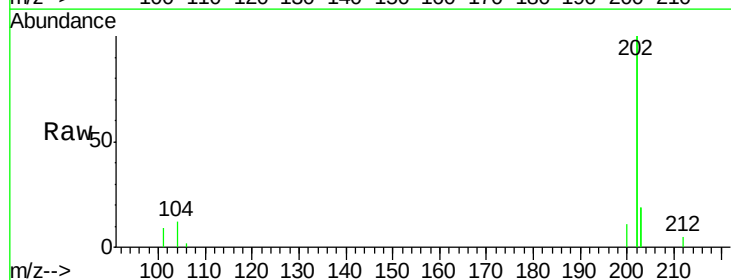
Instrument :
 BNA_E
 ClientSampleId :
 A4J72MS

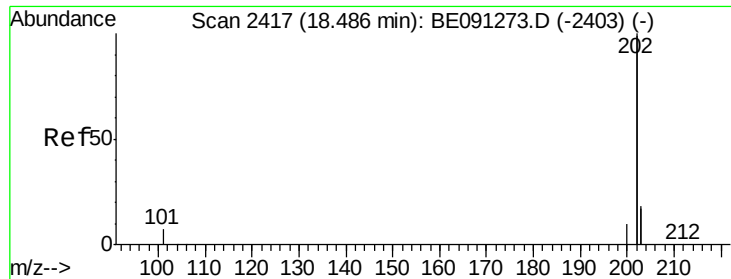
Tgt Ion:178 Resp: 25567
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.8 23.8
 179 18.0 13.3 19.9



#17
 Fluoranthene
 Concen: 0.11 ng/ul
 RT: 18.09 min Scan# 2357
 Delta R.T. -0.01 min
 Lab File: BE091278.D
 Acq: 21 Nov 2015 15:27

Tgt Ion:202 Resp: 29368
 Ion Ratio Lower Upper
 202 100
 101 4.3 0.0 33.1
 203 19.2 0.0 37.2





#19

Pyrene

Concen: 0.10 ng/ul

RT: 18.48 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BE091278.D

Acq: 21 Nov 2015 15:27

Instrument :

BNA_E

ClientSampleId :

A4J72MS

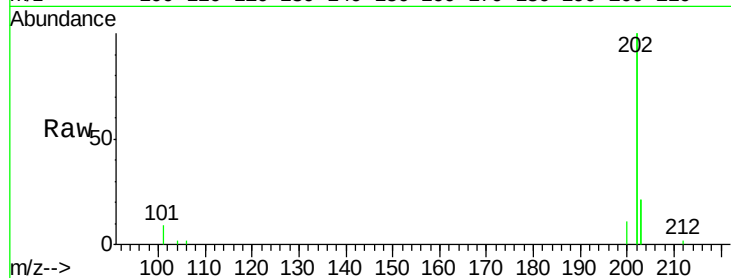
Tgt Ion:202 Resp: 27124

Ion Ratio Lower Upper

202 100

200 5.5 18.0 27.0#

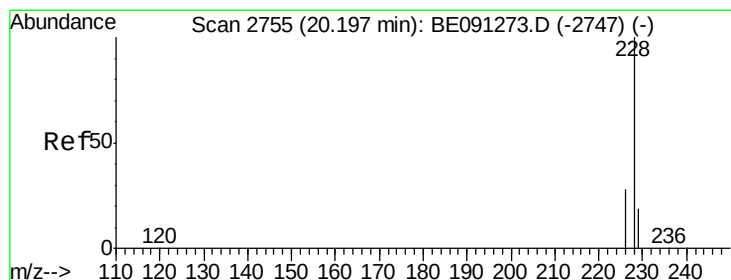
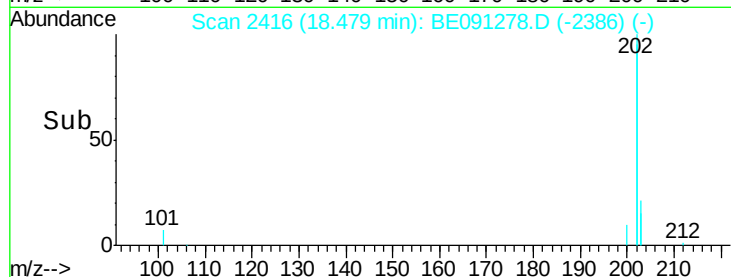
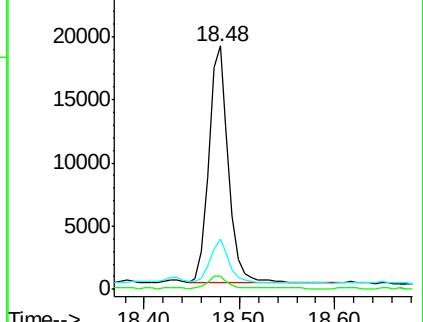
203 20.7 13.8 20.6#



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: 0.06 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE091278.D

Acq: 21 Nov 2015 15:27

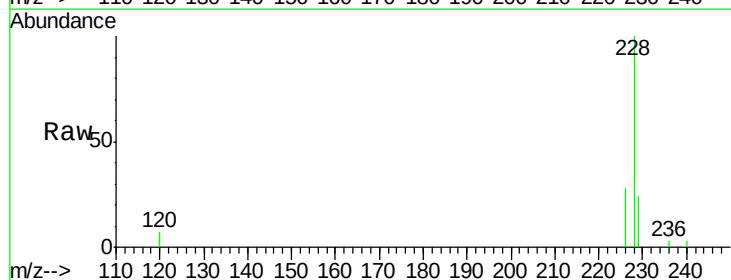
Tgt Ion:228 Resp: 3797

Ion Ratio Lower Upper

228 100

226 28.2 23.0 34.4

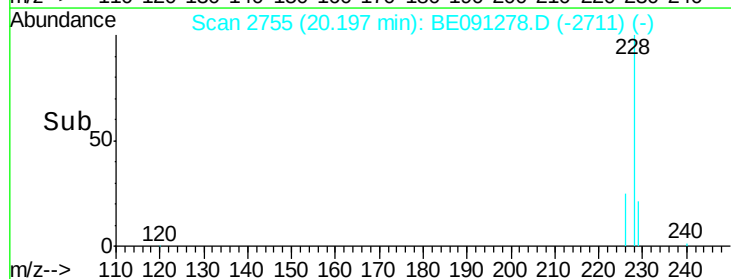
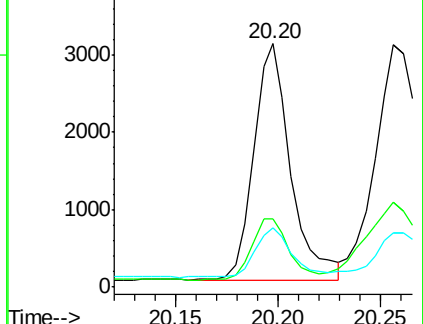
229 24.1 15.2 22.8#

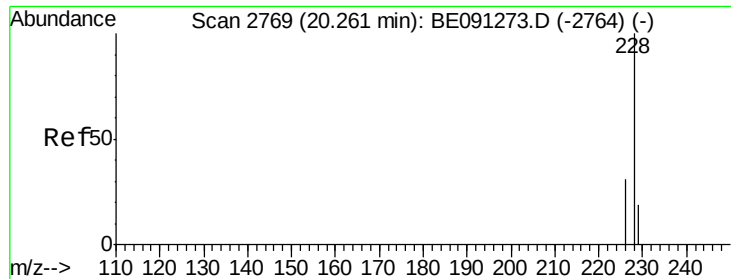


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.07 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091278.D

Acq: 21 Nov 2015 15:27

Instrument :

BNA_E

ClientSampleId :

A4J72MS

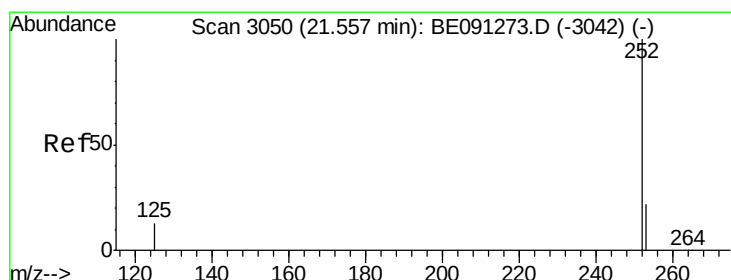
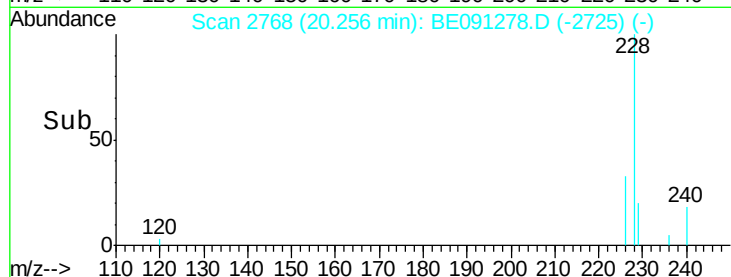
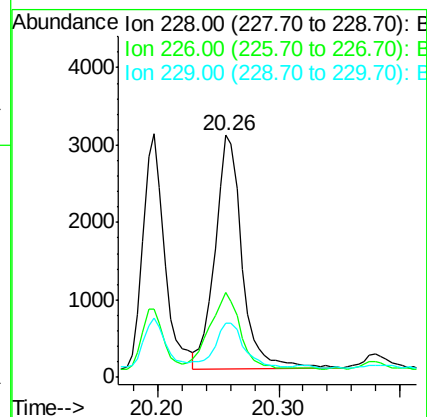
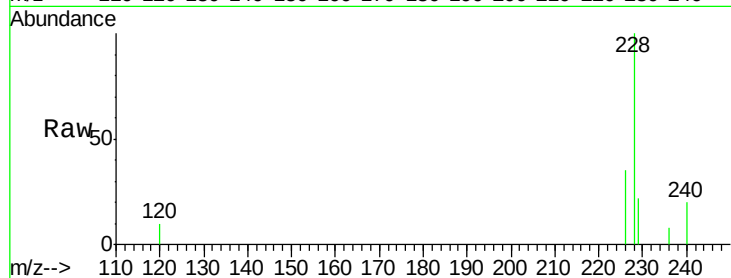
Tgt Ion:228 Resp: 4746

Ion Ratio Lower Upper

228 100

226 35.3 25.7 38.5

229 22.2 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.04 ng/ul

RT: 21.58 min Scan# 3055

Delta R.T. 0.02 min

Lab File: BE091278.D

Acq: 21 Nov 2015 15:27

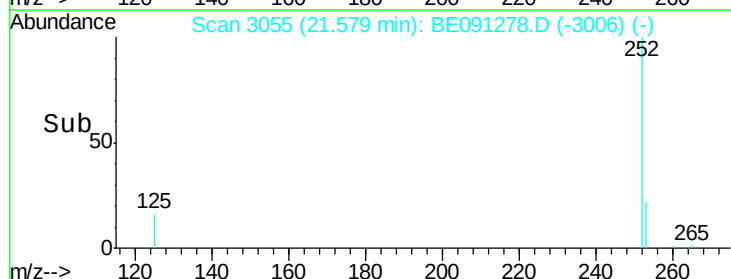
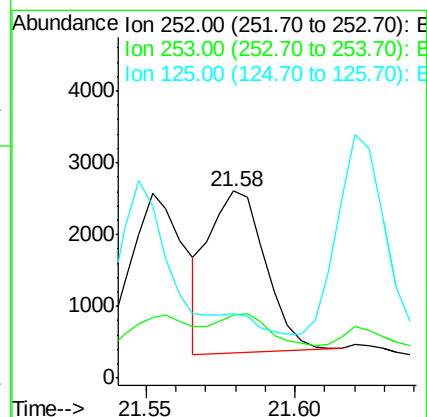
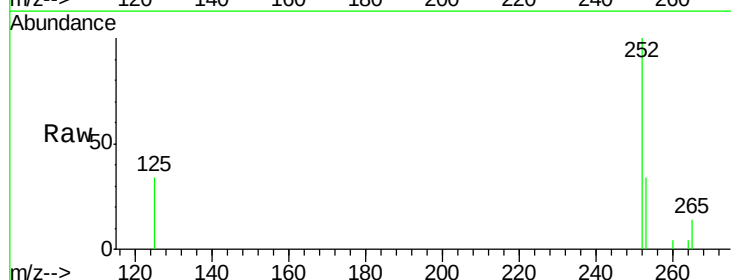
Tgt Ion:252 Resp: 2961

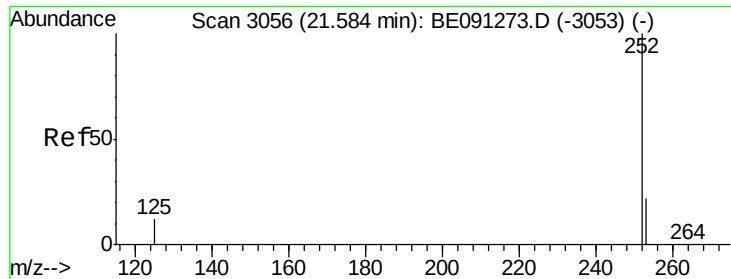
Ion Ratio Lower Upper

252 100

253 33.9 0.0 48.0

125 34.3 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.04 ng/ul

RT: 21.58 min Scan# 3055

Delta R.T. -0.01 min

Lab File: BE091278.D

Acq: 21 Nov 2015 15:27

Instrument :

BNA_E

ClientSampleId :

A4J72MS

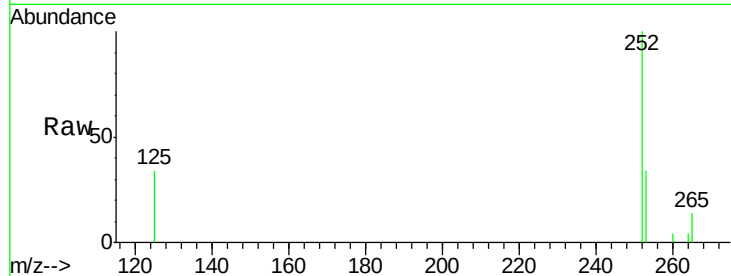
Tgt Ion:252 Resp: 2961

Ion Ratio Lower Upper

252 100

253 33.9 20.8 31.2#

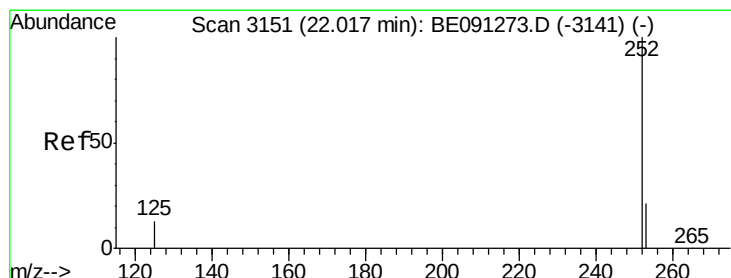
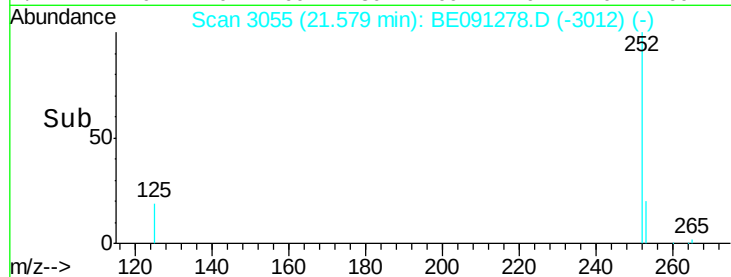
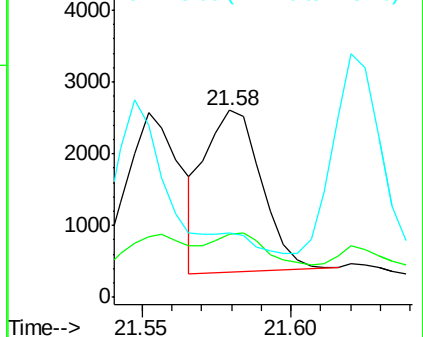
125 34.3 12.2 18.4#



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: 0.05 ng/ul

RT: 22.01 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BE091278.D

Acq: 21 Nov 2015 15:27

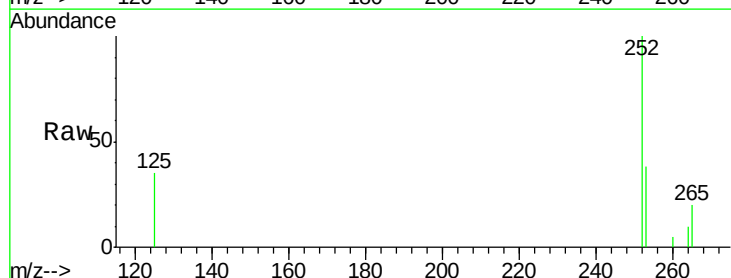
Tgt Ion:252 Resp: 3150

Ion Ratio Lower Upper

252 100

253 37.9 21.8 32.8#

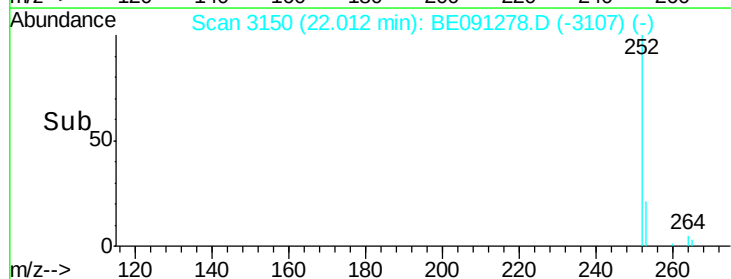
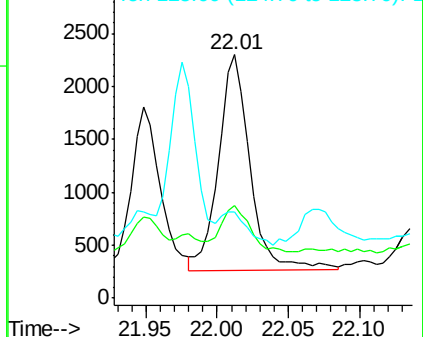
125 35.1 14.5 21.7#

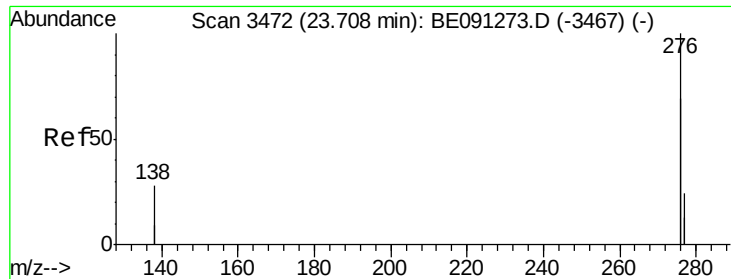


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.03 ng/ul

RT: 23.71 min Scan# 3473

Delta R.T. 0.00 min

Lab File: BE091278.D

Acq: 21 Nov 2015 15:27

Instrument :

BNA_E

ClientSampleId :

A4J72MS

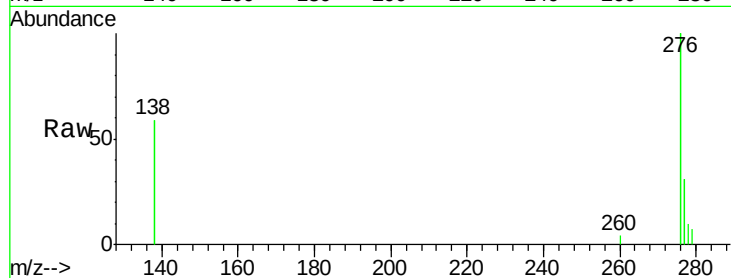
Tgt Ion:276 Resp: 8148

Ion Ratio Lower Upper

276 100

138 39.0 27.5 41.3

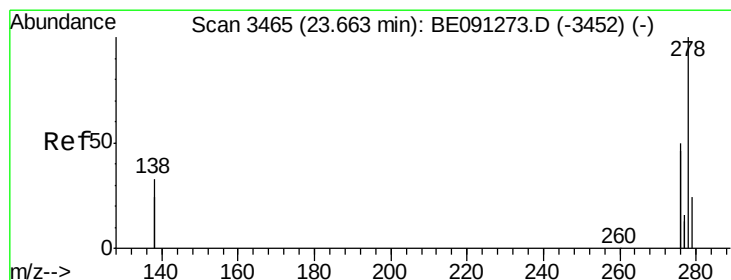
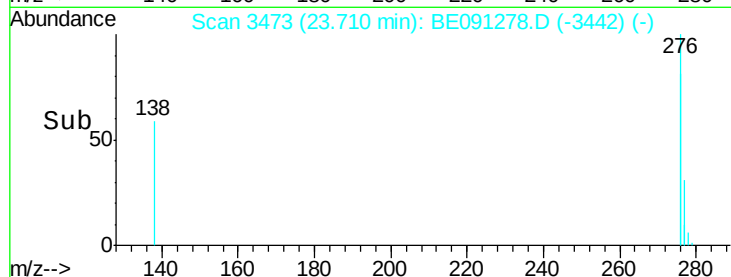
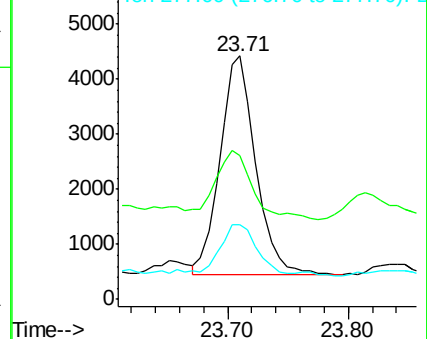
277 23.6 19.3 28.9



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: 0.01 ng/ul

RT: 23.66 min Scan# 3465

Delta R.T. -0.00 min

Lab File: BE091278.D

Acq: 21 Nov 2015 15:27

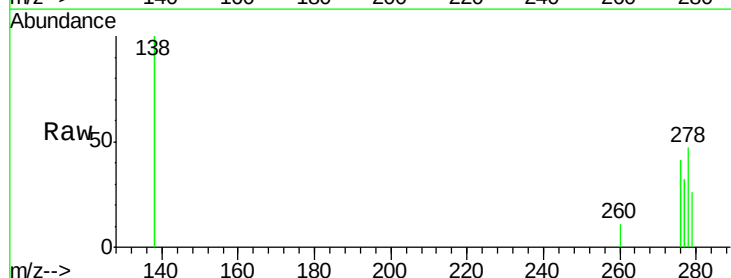
Tgt Ion:278 Resp: 888

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

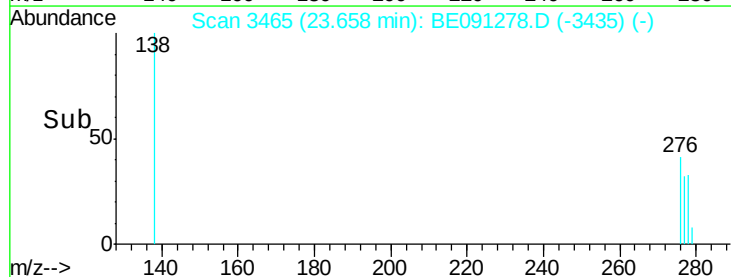
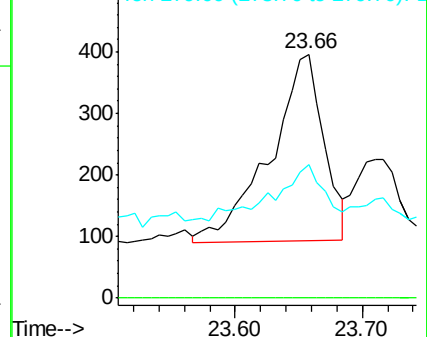
279 54.5 21.9 32.9#

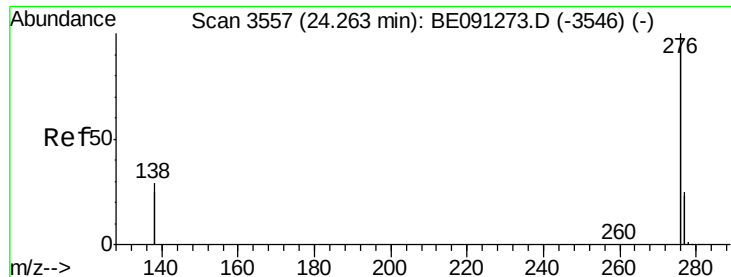


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.03 ng/ul

RT: 24.26 min Scan# 3557

Delta R.T. -0.00 min

Lab File: BE091278.D

Acq: 21 Nov 2015 15:27

Instrument :

BNA_E

ClientSampleId :

A4J72MS

Tgt Ion: 276 Resp: 9052

Ion Ratio Lower Upper

276 100

277 30.9 21.3 31.9

138 60.0 25.5 38.3

