

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091275.D
 Acq On : 21 Nov 2015 13:40
 Operator : UM/NP
 Sample : G4346-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J70

Quant Time: Nov 22 01:32:52 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	3169	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.55	136	15424	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	7571	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.08	188	18849	0.40	ng/ul	-0.01
18) Chrysene-d12	20.22	240	22967	0.40	ng/ul	0.00
22) Perylene-d12	22.10	264	23543	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.95	96	10578	4.64	ng/uL	-0.01
6) 2-Methylnaphthalene-d10	11.06	152	2300	0.11	ng/ul	0.00
16) Fluoranthene-d10	18.06	212	5746	0.11	ng/ul	0.00

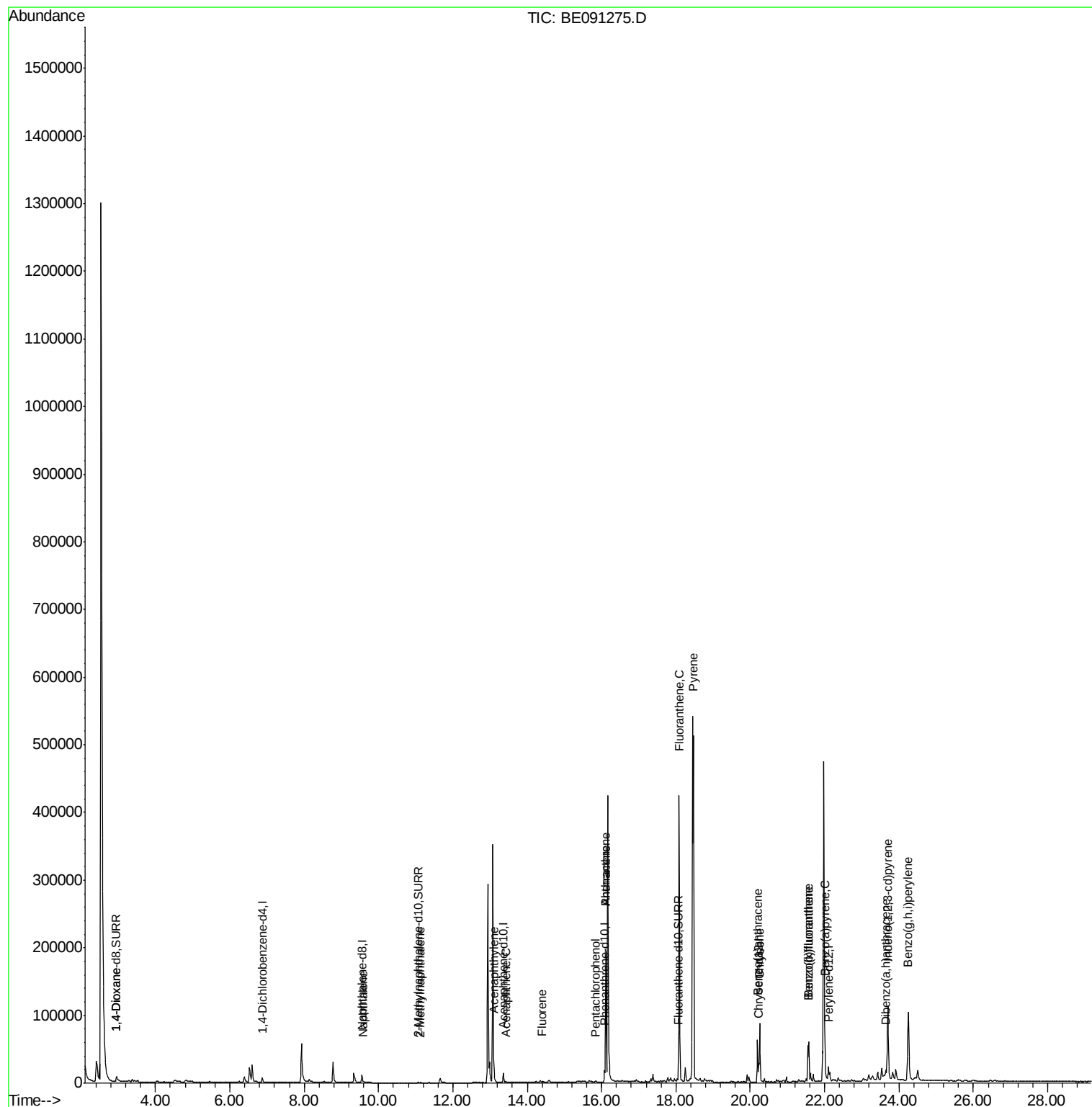
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.95	88	122	0.05	ng/ul#	24
5) Naphthalene	9.59	128	1989	0.05	ng/ul#	87
7) 2-Methylnaphthalene	11.13	142	732	0.03	ng/ul	97
9) Acenaphthylene	13.11	152	12087	0.32	ng/ul	99
10) Acenaphthene	13.42	153	869	0.03	ng/ul#	81
11) Fluorene	14.41	166	1132	0.03	ng/ul#	93
13) Pentachlorophenol	15.85	266	288	0.16	ng/ul	91
14) Phenanthrene	16.11	178	195838	0.90	ng/ul	98
15) Anthracene	16.11	178	195838	0.99	ng/ul	98
17) Fluoranthene	18.09	202	446081	1.75	ng/ul	89
19) Pyrene	18.47	202	520266	1.99	ng/ul#	79
20) Benzo(a)anthracene	20.19	228	50284	0.85	ng/ul	96
21) Chrysene	20.26	228	78909	1.16	ng/ul	98
23) Benzo(b)fluoranthene	21.55	252	51356	0.70	ng/ul	96
24) Benzo(k)fluoranthene	21.58	252	57594	0.76	ng/ul	95
25) Benzo(a)pyrene	22.01	252	59177	0.87	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.70	276	149497	0.52	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.65	278	14234	0.21	ng/ul#	70
28) Benzo(g,h,i)perylene	24.25	276	163818	0.55	ng/ul	97

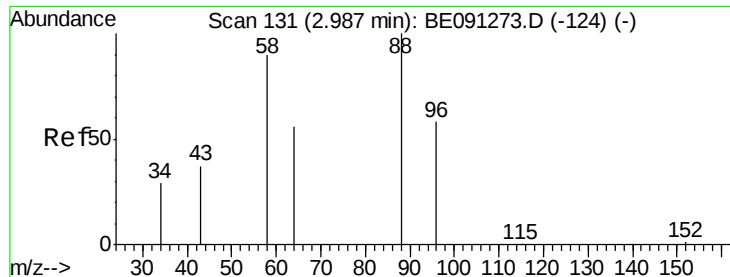
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.05 ng/ul

RT: 2.95 min Scan# 125

Delta R.T. -0.04 min

Lab File: BE091275.D

Acq: 21 Nov 2015 13:40

Instrument :

BNA_E

ClientSampleId :

A4J70

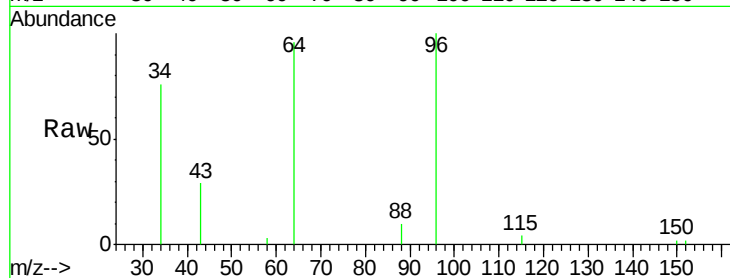
Tgt Ion: 88 Resp: 122

Ion Ratio Lower Upper

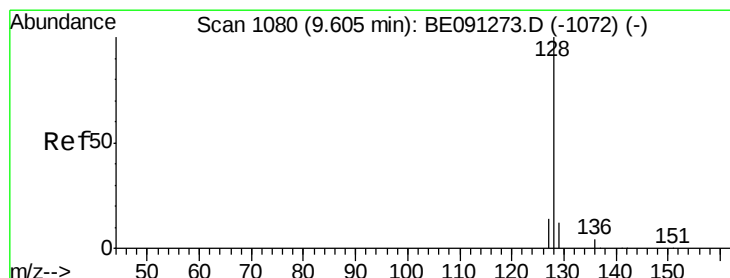
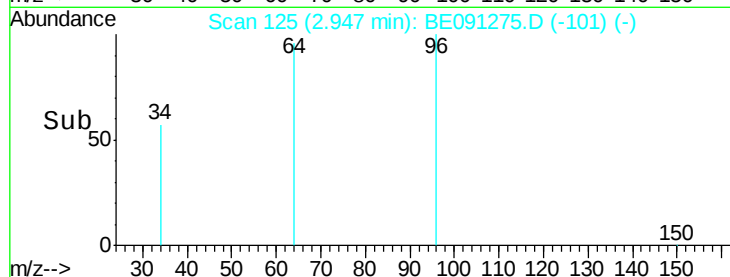
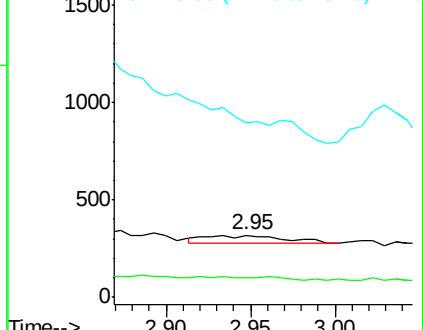
88 100

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: 0.05 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BE091275.D

Acq: 21 Nov 2015 13:40

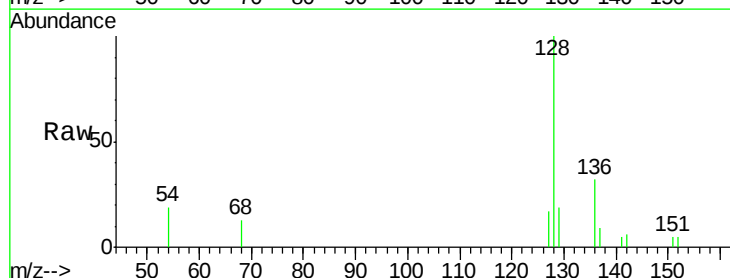
Tgt Ion: 128 Resp: 1989

Ion Ratio Lower Upper

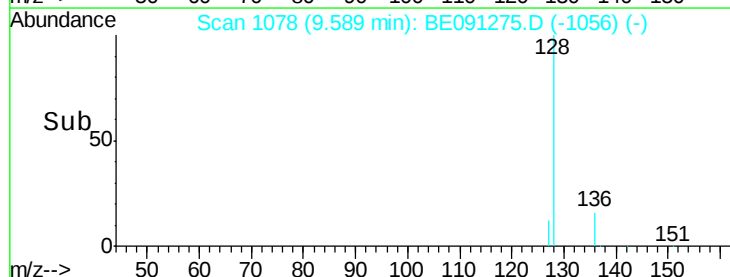
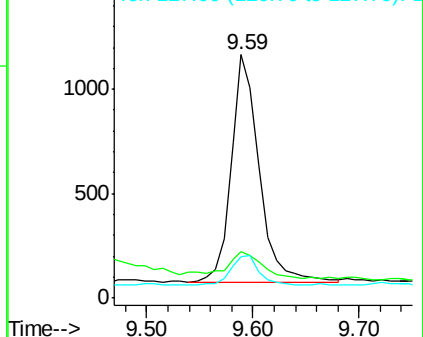
128 100

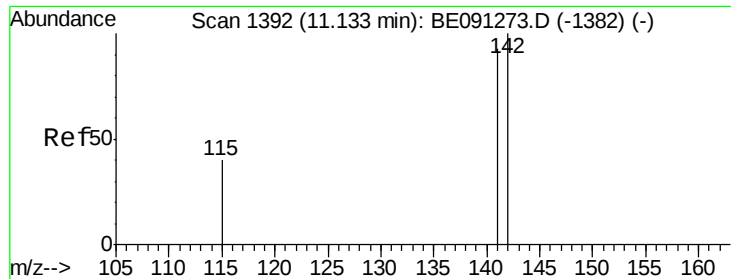
129 18.9 9.8 14.8#

127 17.1 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: 0.03 ng/ul

RT: 11.13 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE091275.D

Acq: 21 Nov 2015 13:40

Instrument :

BNA_E

ClientSampleId :

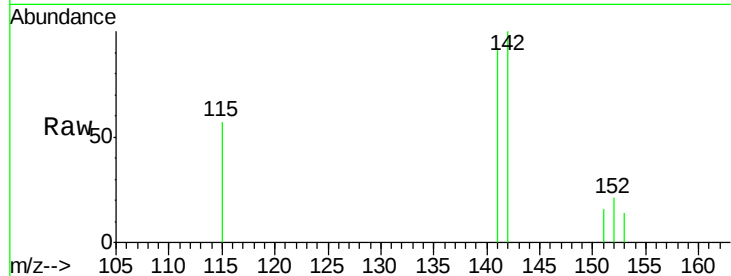
A4J70

Tgt Ion:142 Resp: 732

Ion Ratio Lower Upper

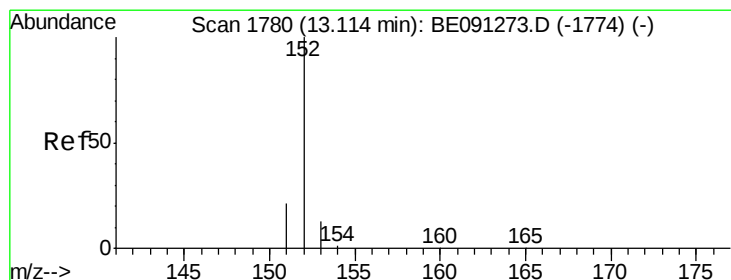
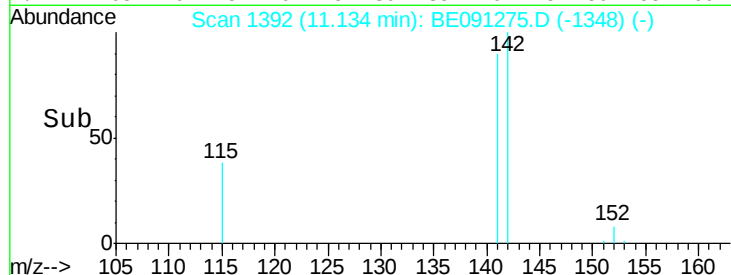
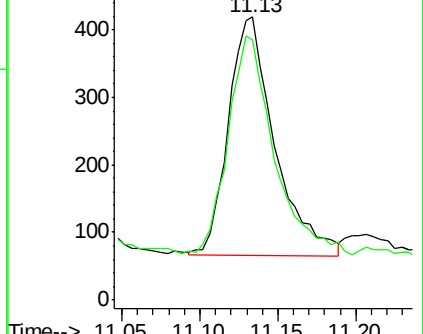
142 100

141 90.7 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: 0.32 ng/ul

RT: 13.11 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BE091275.D

Acq: 21 Nov 2015 13:40

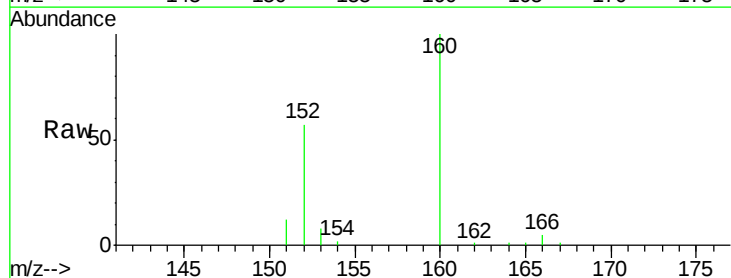
Tgt Ion:152 Resp: 12087

Ion Ratio Lower Upper

152 100

151 20.1 16.8 25.2

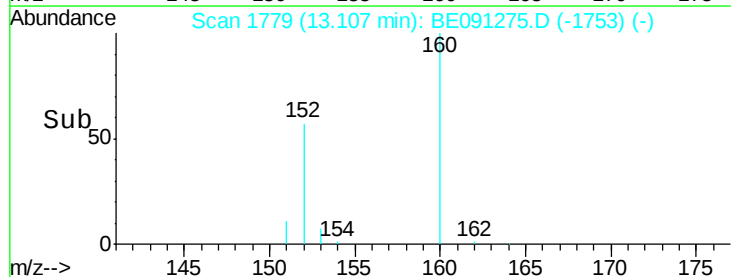
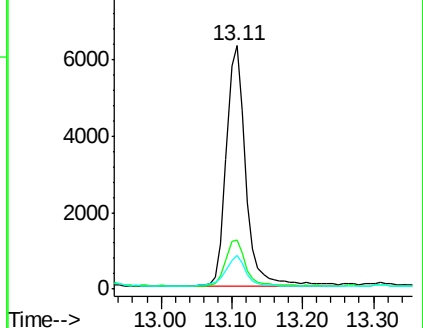
153 13.8 11.3 16.9

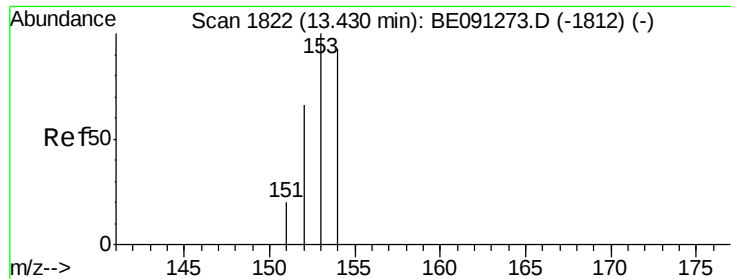


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.03 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091275.D

Acq: 21 Nov 2015 13:40

Instrument :

BNA_E

ClientSampleId :

A4J70

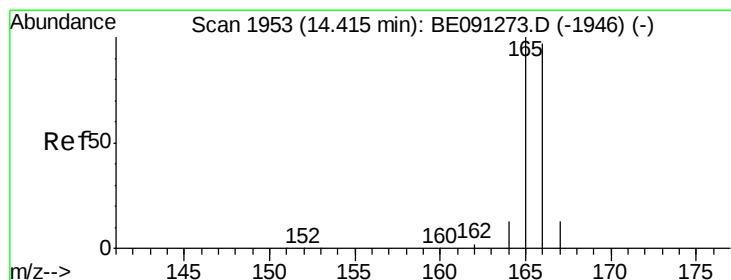
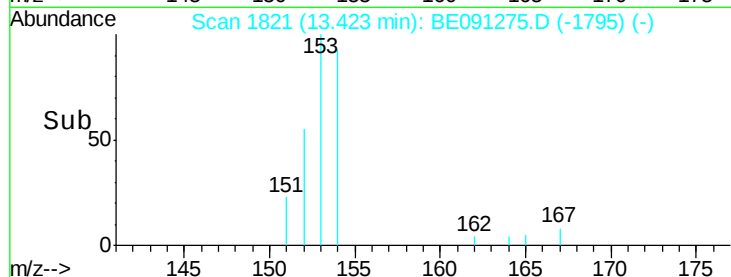
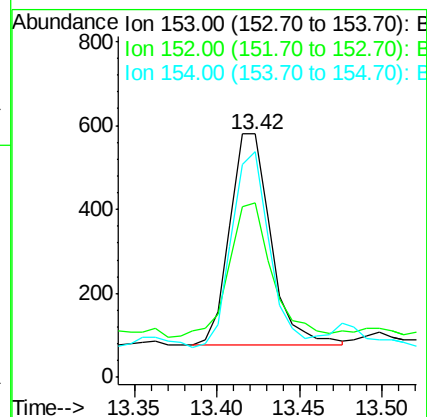
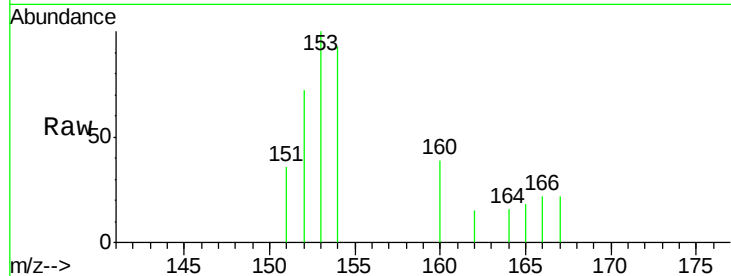
Tgt Ion:153 Resp: 869

Ion Ratio Lower Upper

153 100

152 71.9 42.3 63.5#

154 92.8 64.7 97.1



#11

Fluorene

Concen: 0.03 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091275.D

Acq: 21 Nov 2015 13:40

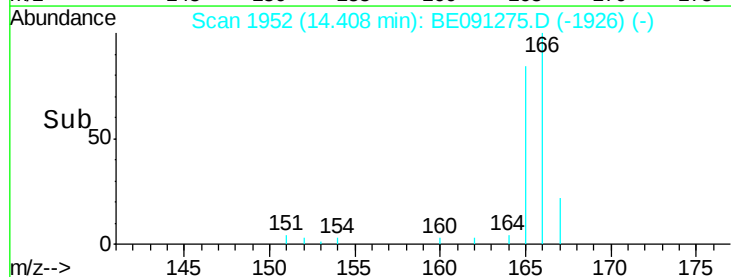
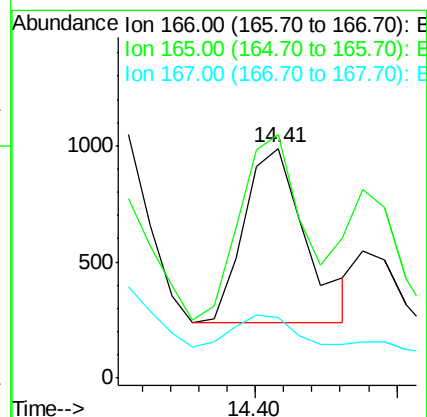
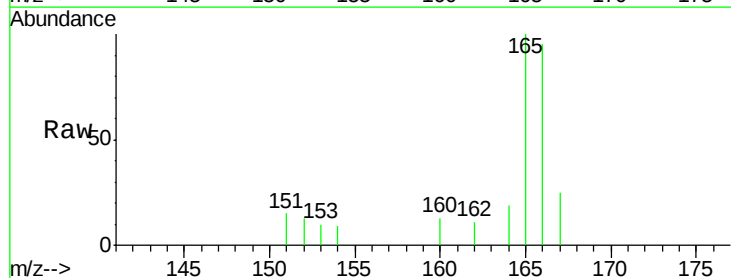
Tgt Ion:166 Resp: 1132

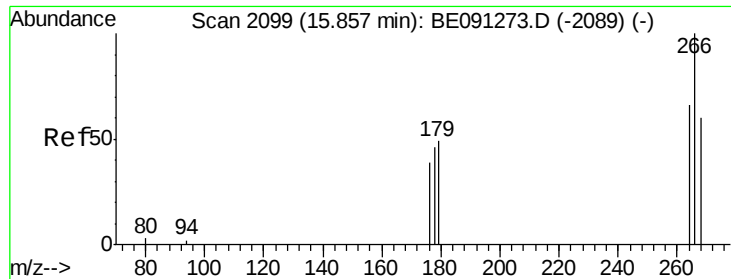
Ion Ratio Lower Upper

166 100

165 105.8 87.6 131.4

167 26.3 11.1 16.7#

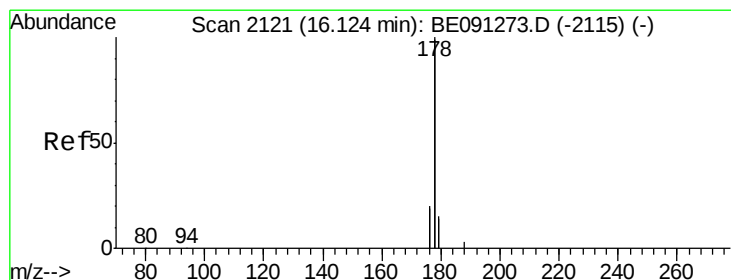
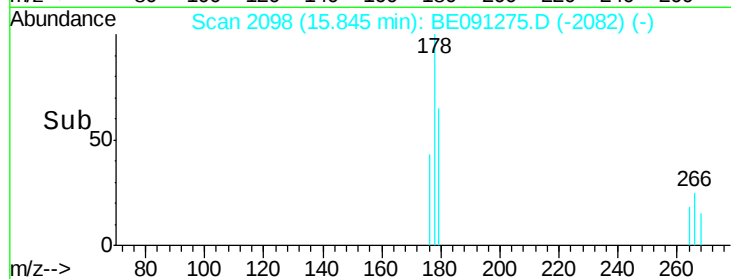
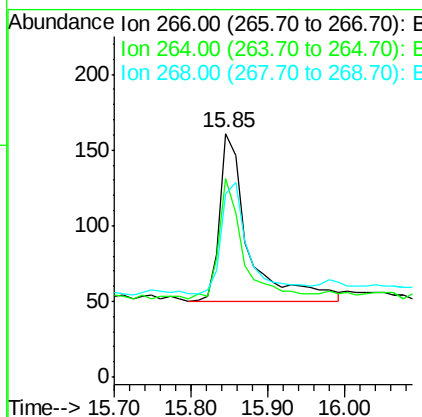
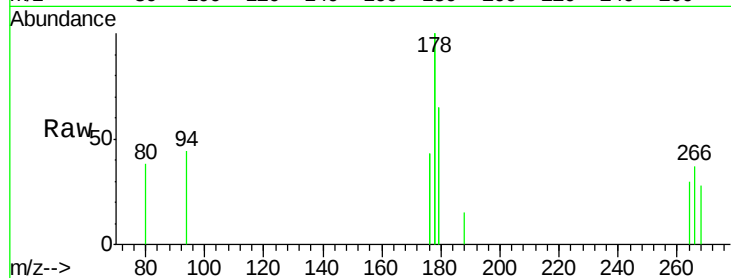




#13
 Pentachlorophenol
 Concen: 0.16 ng/ul
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091275.D
 Acq: 21 Nov 2015 13:40

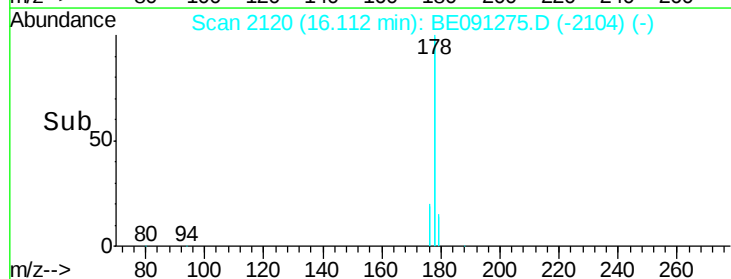
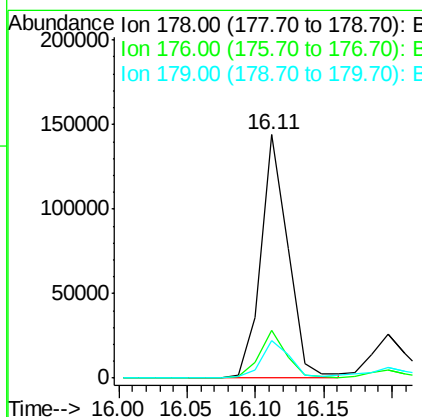
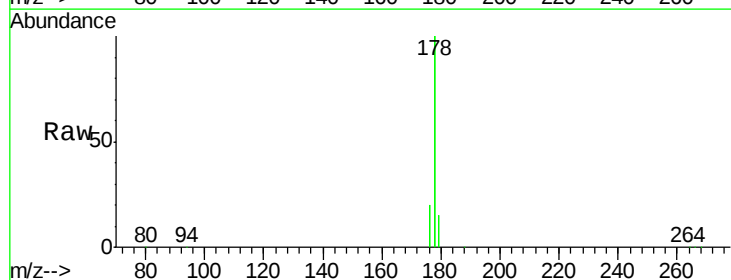
Instrument :
 BNA_E
 ClientSampleId :
 A4J70

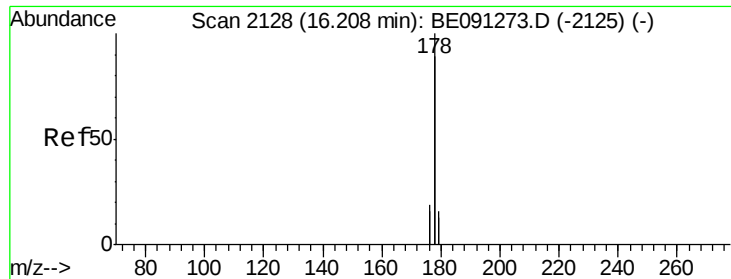
Tgt Ion: 266 Resp: 288
 Ion Ratio Lower Upper
 266 100
 264 55.6 53.5 80.3
 268 63.9 54.2 81.2



#14
 Phenanthrene
 Concen: 0.90 ng/ul
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BE091275.D
 Acq: 21 Nov 2015 13:40

Tgt Ion: 178 Resp: 195838
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.2 24.4
 179 15.2 12.8 19.2





#15

Anthracene

Concen: 0.99 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.10 min

Lab File: BE091275.D

Acq: 21 Nov 2015 13:40

Instrument :

BNA_E

ClientSampleId :

A4J70

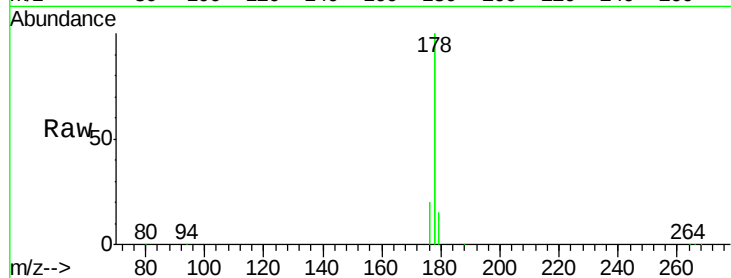
Tgt Ion:178 Resp: 195838

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

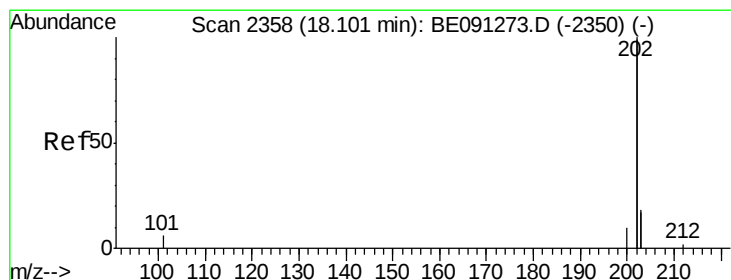
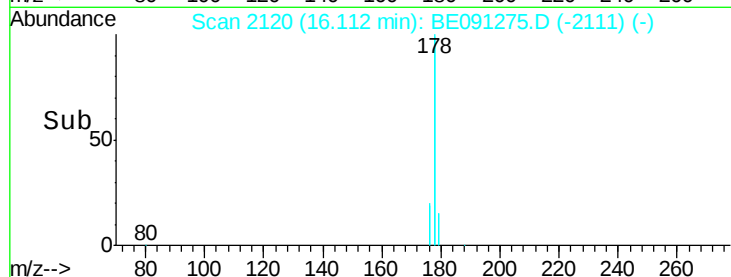
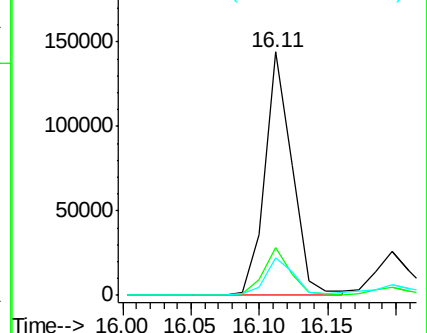
179 15.2 13.3 19.9



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: 1.75 ng/ul

RT: 18.09 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BE091275.D

Acq: 21 Nov 2015 13:40

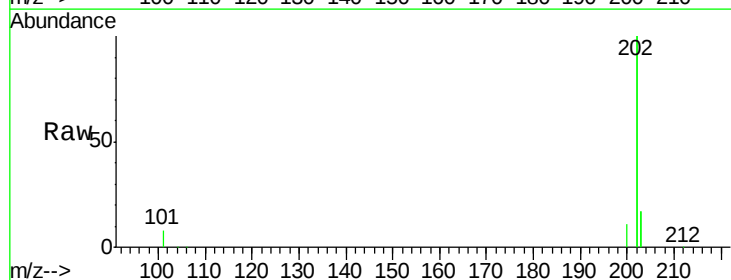
Tgt Ion:202 Resp: 446081

Ion Ratio Lower Upper

202 100

101 4.0 0.0 33.1

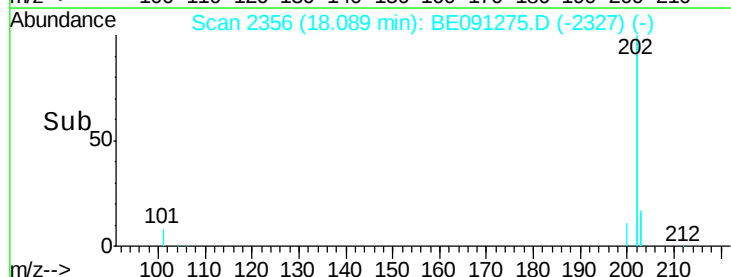
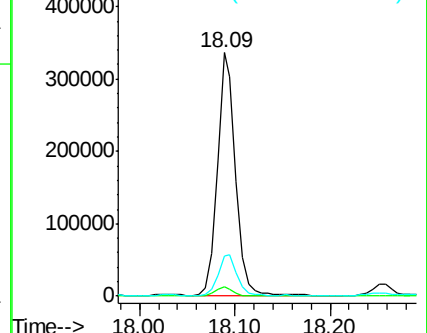
203 16.7 0.0 37.2

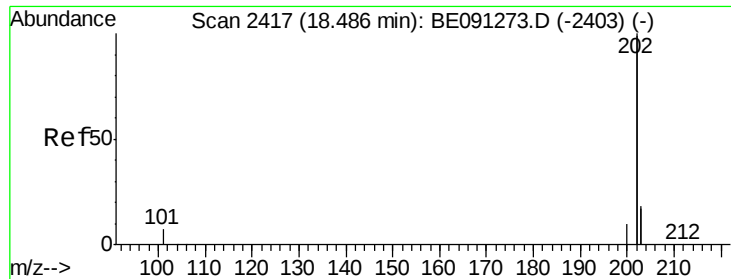


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 1.99 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091275.D

Acq: 21 Nov 2015 13:40

Instrument :

BNA_E

ClientSampleId :

A4J70

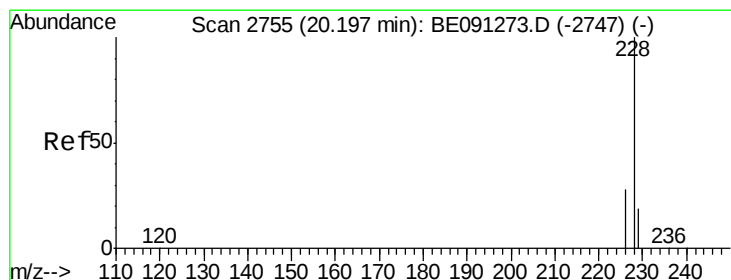
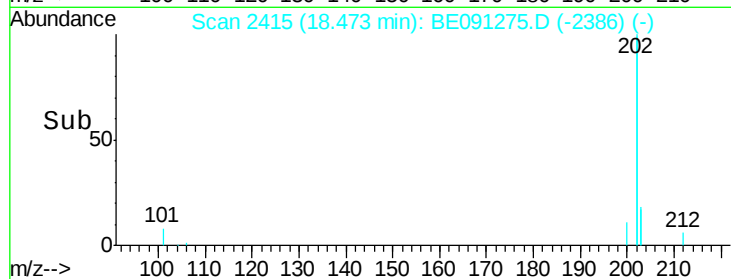
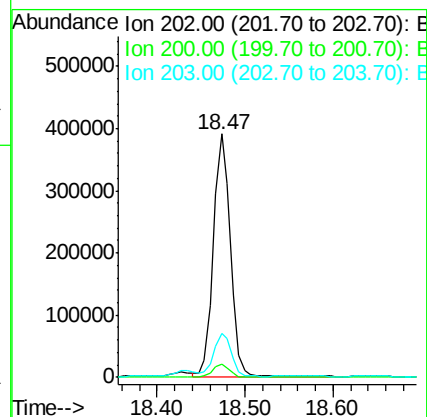
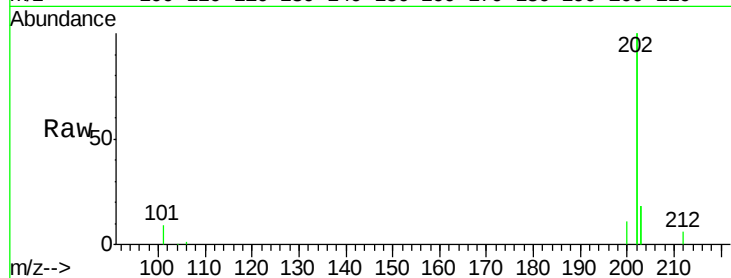
Tgt Ion:202 Resp: 520266

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

203 18.1 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.85 ng/ul

RT: 20.19 min Scan# 2754

Delta R.T. -0.00 min

Lab File: BE091275.D

Acq: 21 Nov 2015 13:40

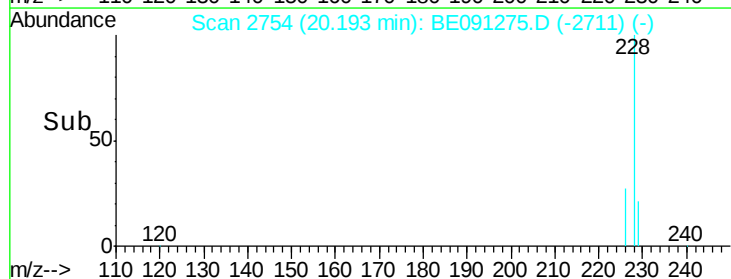
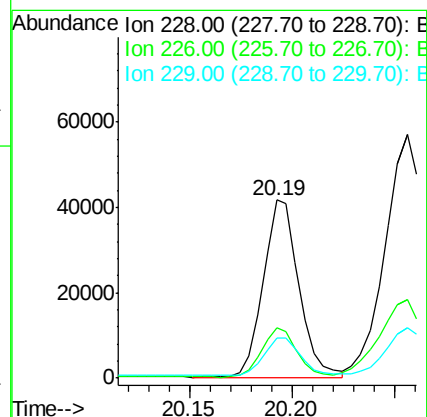
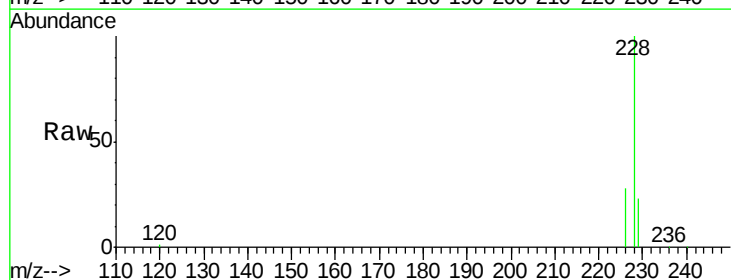
Tgt Ion:228 Resp: 50284

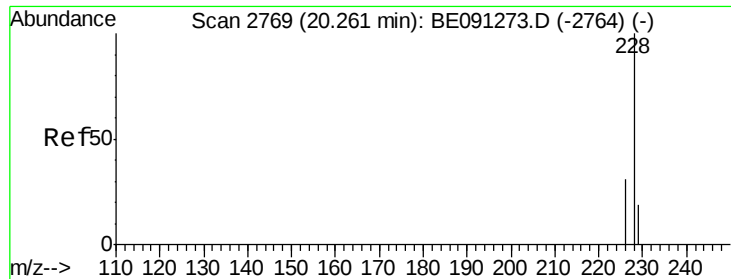
Ion Ratio Lower Upper

228 100

226 28.2 23.0 34.4

229 22.6 15.2 22.8





#21

Chrysene

Concen: 1.16 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091275.D

Acq: 21 Nov 2015 13:40

Instrument :

BNA_E

ClientSampleId :

A4J70

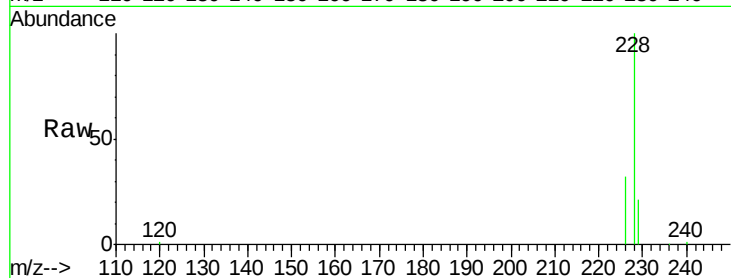
Tgt Ion:228 Resp: 78909

Ion Ratio Lower Upper

228 100

226 32.4 25.7 38.5

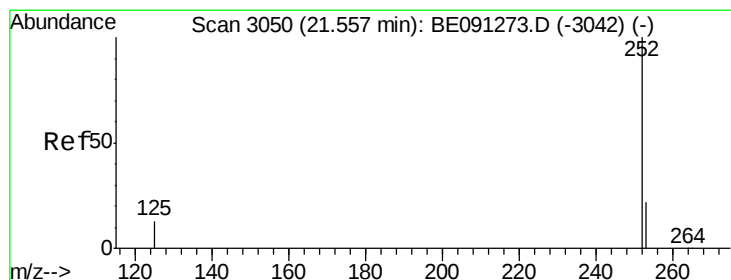
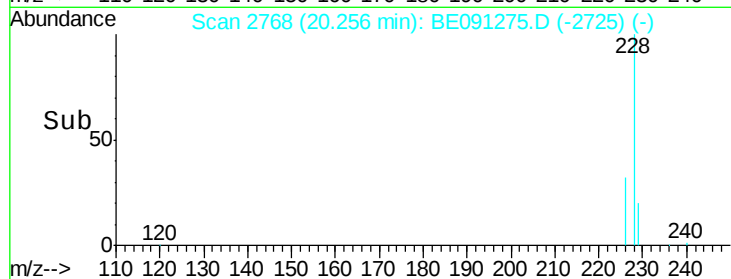
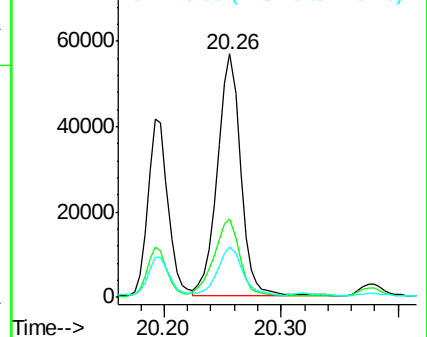
229 20.6 15.2 22.8



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: 0.70 ng/ul

RT: 21.55 min Scan# 3049

Delta R.T. -0.00 min

Lab File: BE091275.D

Acq: 21 Nov 2015 13:40

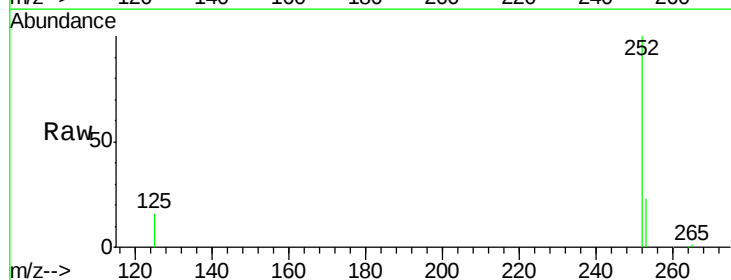
Tgt Ion:252 Resp: 51356

Ion Ratio Lower Upper

252 100

253 22.7 0.0 48.0

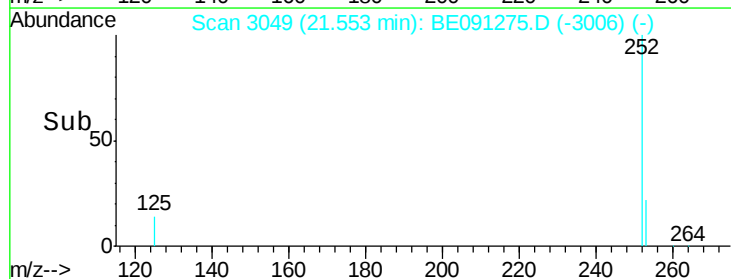
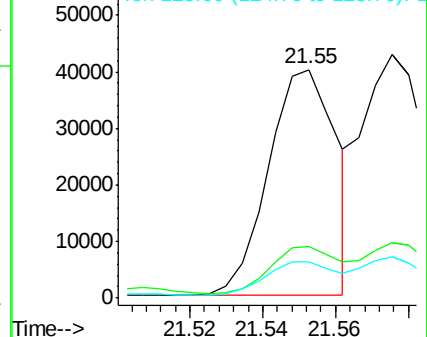
125 15.7 0.0 36.6

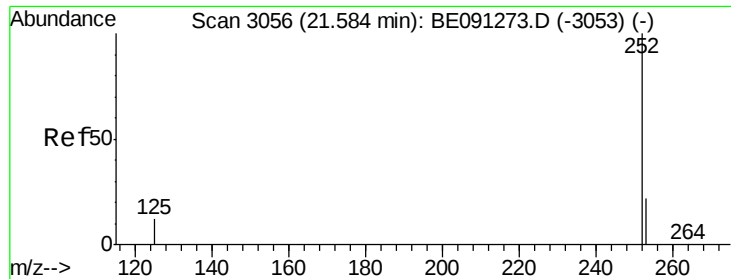


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.76 ng/ul

RT: 21.58 min Scan# 3054

Delta R.T. -0.01 min

Lab File: BE091275.D

Acq: 21 Nov 2015 13:40

Instrument :

BNA_E

ClientSampleId :

A4J70

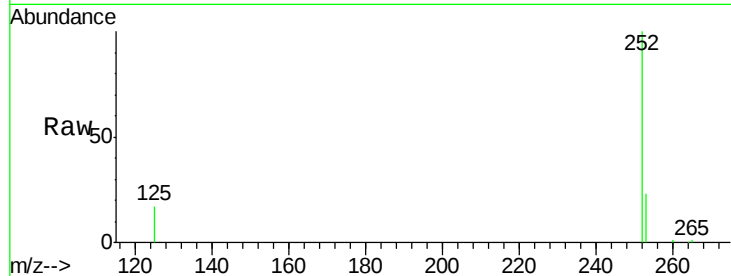
Tgt Ion:252 Resp: 57594

Ion Ratio Lower Upper

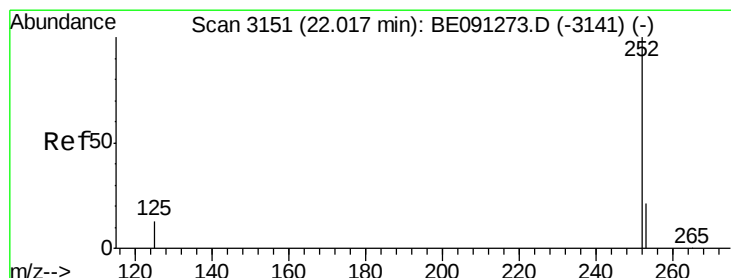
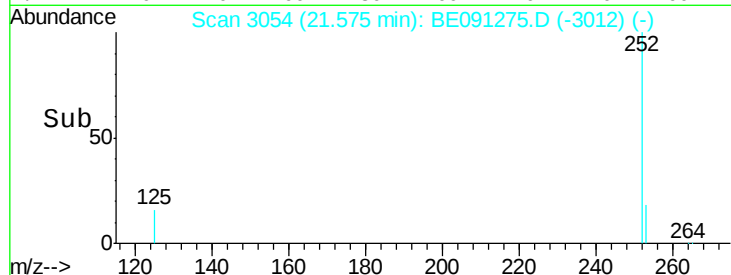
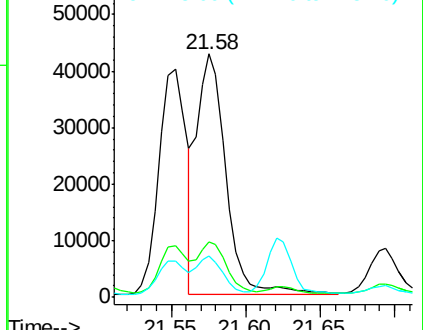
252 100

253 22.8 20.8 31.2

125 17.0 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: 0.87 ng/ul

RT: 22.01 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BE091275.D

Acq: 21 Nov 2015 13:40

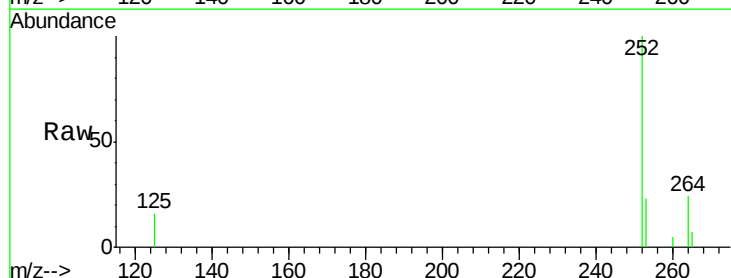
Tgt Ion:252 Resp: 59177

Ion Ratio Lower Upper

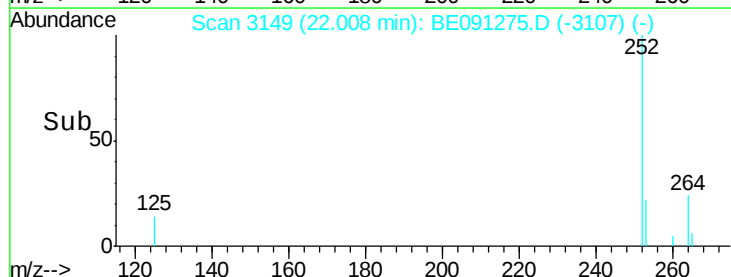
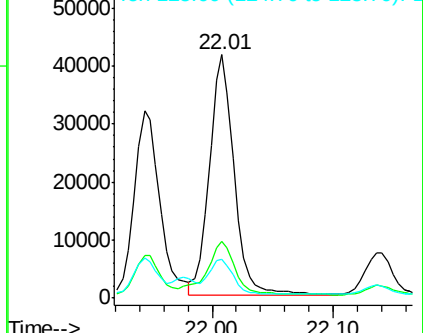
252 100

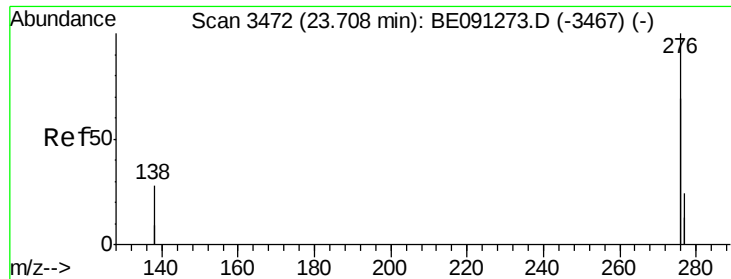
253 23.3 21.8 32.8

125 16.0 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: 0.52 ng/ul

RT: 23.70 min Scan# 3471

Delta R.T. -0.01 min

Lab File: BE091275.D

Acq: 21 Nov 2015 13:40

Instrument :

BNA_E

ClientSampleId :

A4J70

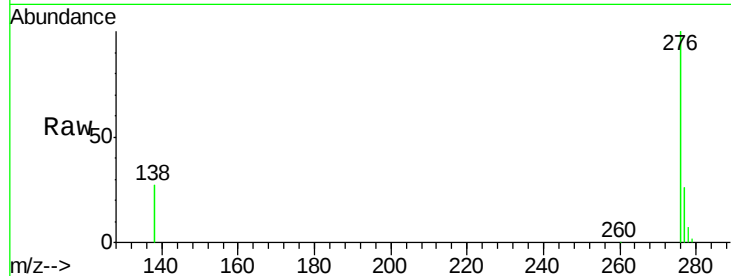
Tgt Ion: 276 Resp: 149497

Ion Ratio Lower Upper

276 100

138 25.9 27.5 41.3#

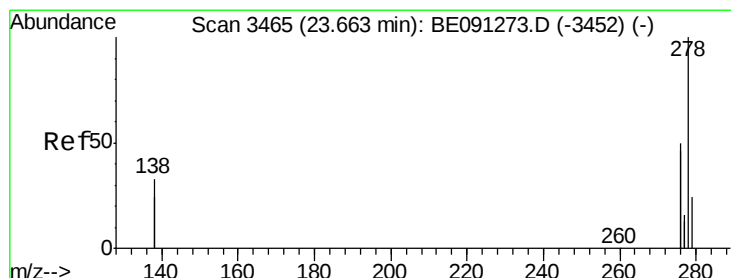
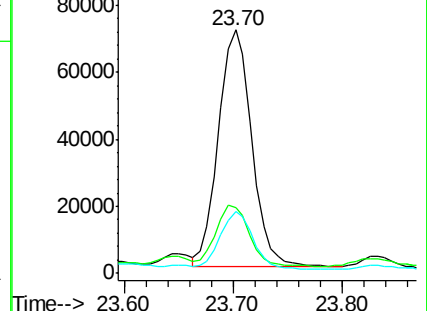
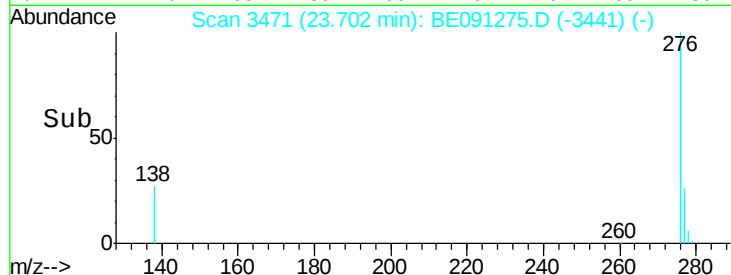
277 23.9 19.3 28.9



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: 0.21 ng/ul

RT: 23.65 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BE091275.D

Acq: 21 Nov 2015 13:40

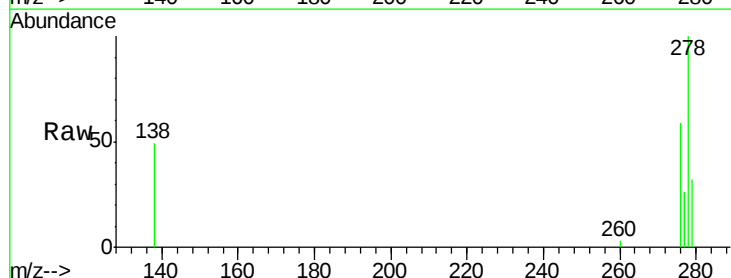
Tgt Ion: 278 Resp: 14234

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

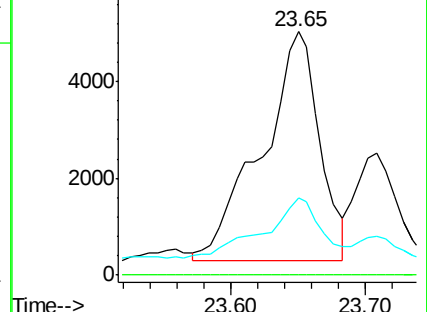
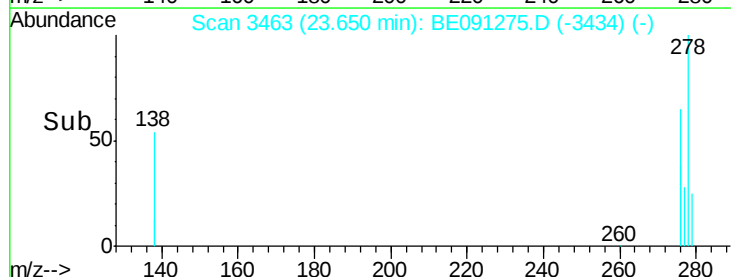
279 31.7 21.9 32.9

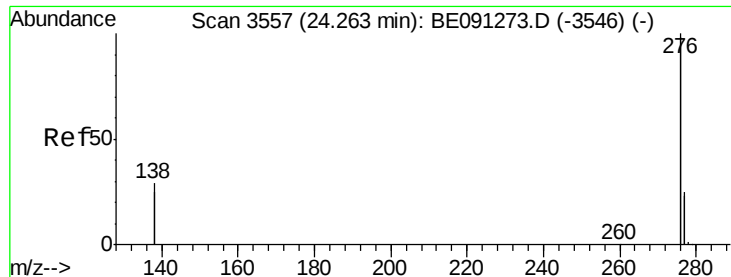


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.55 ng/ul

RT: 24.25 min Scan# 3555

Delta R.T. -0.01 min

Lab File: BE091275.D

Acq: 21 Nov 2015 13:40

Instrument :

BNA_E

ClientSampleId :

A4J70

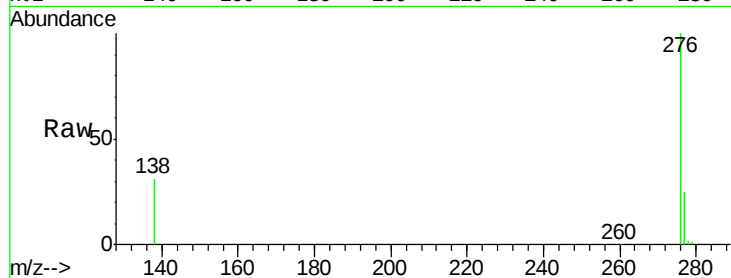
Tgt Ion: 276 Resp: 163818

Ion Ratio Lower Upper

276 100

277 24.8 21.3 31.9

138 30.6 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

