

Data Path : U:\HPCHEM1\BNA E\DATA\BE121515\
 Data File : BE091341.D
 Acq On : 15 Dec 2015 2:56
 Operator : UM/SJ
 Sample : SSTD1.675
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 15 04:37:12 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 04:30:27 2015
 Response via : Initial Calibration

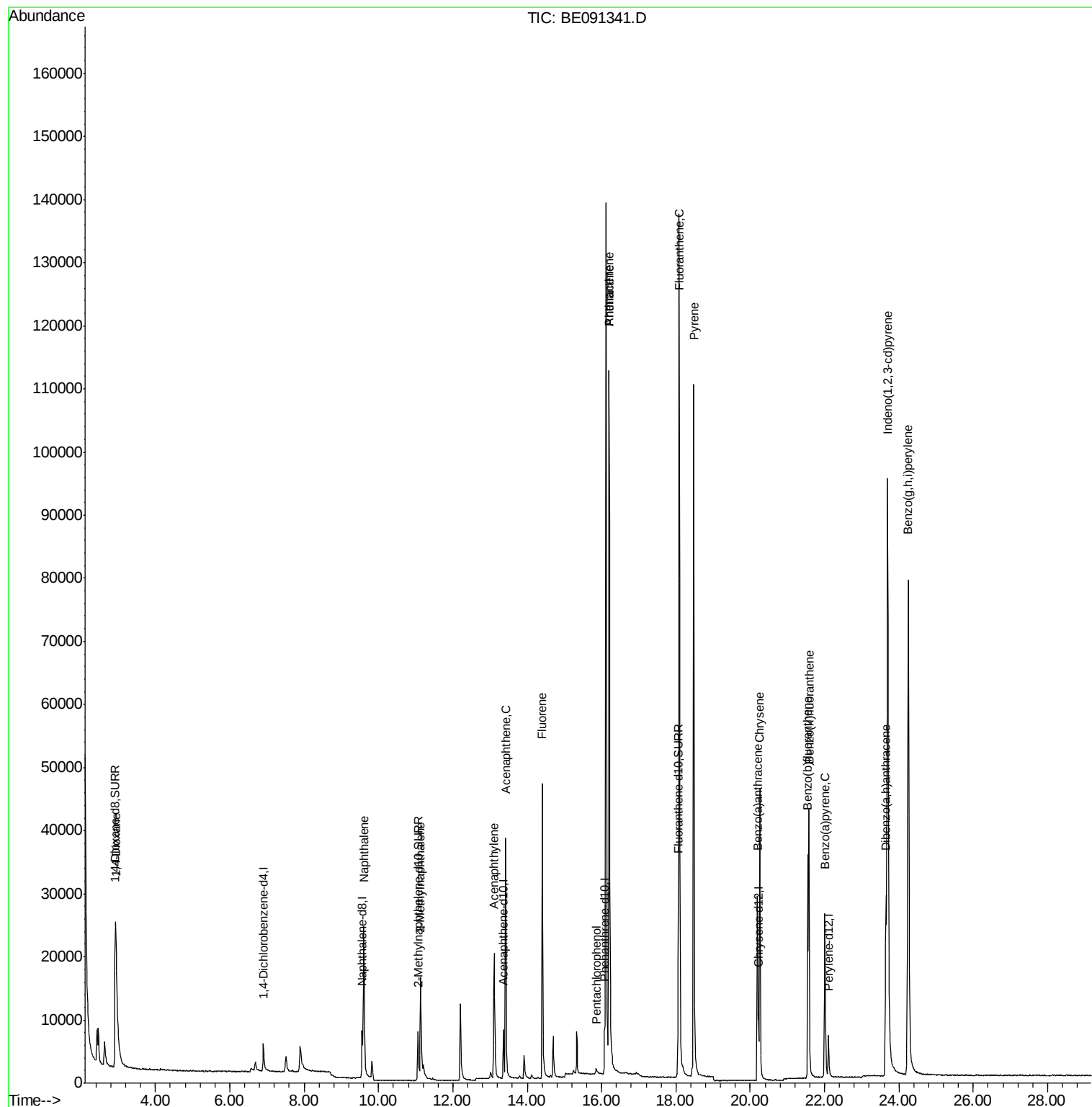
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	3338	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.56	136	11647	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	3238	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	10220	0.40	ng/ul	-0.01
18) Chrysene-d12	20.22	240	8524	0.40	ng/ul	0.00
22) Perylene-d12	22.10	264	7669	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.91	96	19673	7.19	ng/uL	-0.04
6) 2-Methylnaphthalene-d10	11.06	152	12850	1.43	ng/ul	-0.03
16) Fluoranthene-d10	18.06	212	31915	1.39	ng/ul	-0.01
Target Compounds				Ovalue		
3) 1,4-Dioxane	2.93	88	23606	7.56	ng/ul	98
5) Naphthalene	9.60	128	40325	1.55	ng/ul	95
7) 2-Methylnaphthalene	11.13	142	15588	1.51	ng/ul	99
9) Acenaphthylene	13.11	152	27015	1.53	ng/ul	94
10) Acenaphthene	13.42	153	21137	1.58	ng/ul	92
11) Fluorene	14.41	166	31883	1.71	ng/ul	94
13) Pentachlorophenol	15.86	266	1354	2.21	ng/ul#	87
14) Phenanthrene	16.20	178	143597	1.33	ng/ul	96
15) Anthracene	16.20	178	156106	1.79	ng/ul	96
17) Fluoranthene	18.09	202	174851	1.53	ng/ul	97
19) Pyrene	18.48	202	143816	1.42	ng/ul	99
20) Benzo(a)anthracene	20.19	228	27084	1.48	ng/ul	98
21) Chrysene	20.26	228	44259	1.55	ng/ul	97
23) Benzo(b)fluoranthene	21.55	252	34245	1.45	ng/ul	98
24) Benzo(k)fluoranthene	21.58	252	46998	1.67	ng/ul	95
25) Benzo(a)pyrene	22.01	252	33725	1.38	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	23.70	276	174165	1.83	ng/ul#	88
27) Dibenzo(a,h)anthracene	23.65	278	27933	1.56	ng/ul	95
28) Benzo(g,h,i)perylene	24.25	276	144522	1.48	ng/ul	95

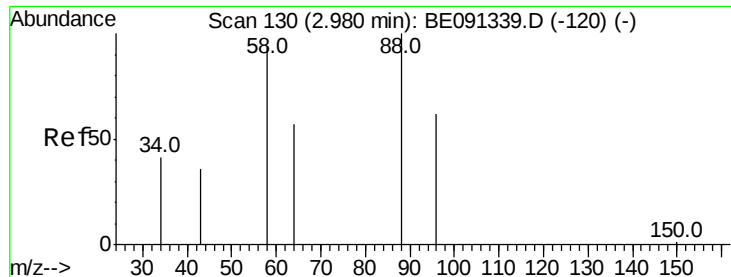
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 7.56 ng/ul

RT: 2.93 min Scan# 123

Delta R.T. -0.05 min

Lab File: BE091341.D

Acq: 15 Dec 2015 2:56

Instrument :

BNA_E

ClientSampleId :

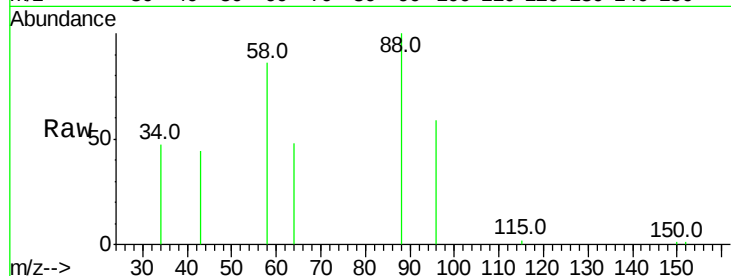
Tot Ion: 88 Resp: 23606

Ion Ratio Lower Upper

88 100

58 92.4 76.0 114.0

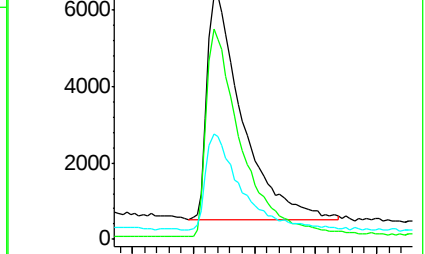
43 44.1 34.3 51.5



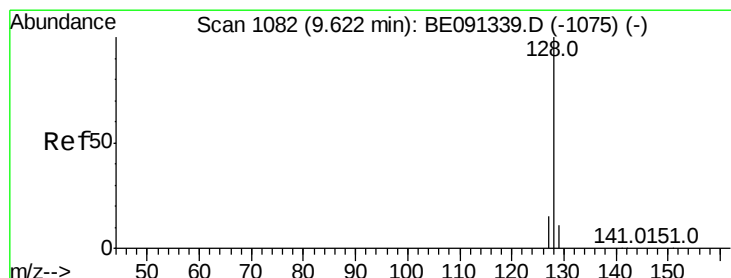
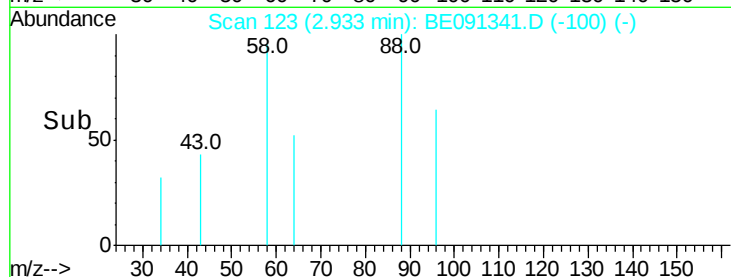
Abundance Ion 88.00 (87.70 to 88.70): BE091339.D (-120) (-)

Ion 58.00 (57.70 to 58.70): BE091339.D (-120) (-)

Ion 43.00 (42.70 to 43.70): BE091339.D (-120) (-)



Time-->



#5

Naphthalene

Concen: 1.55 ng/ul

RT: 9.60 min Scan# 1079

Delta R.T. -0.02 min

Lab File: BE091341.D

Acq: 15 Dec 2015 2:56

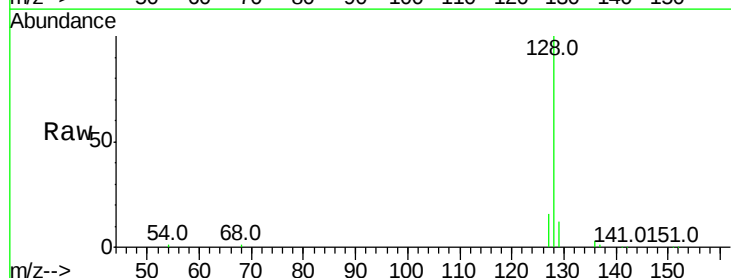
Tgt Ion: 128 Resp: 40325

Ion Ratio Lower Upper

128 100

129 11.7 11.0 16.4

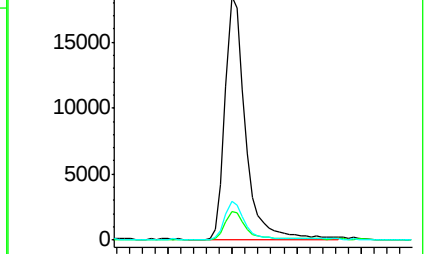
127 15.9 14.3 21.5



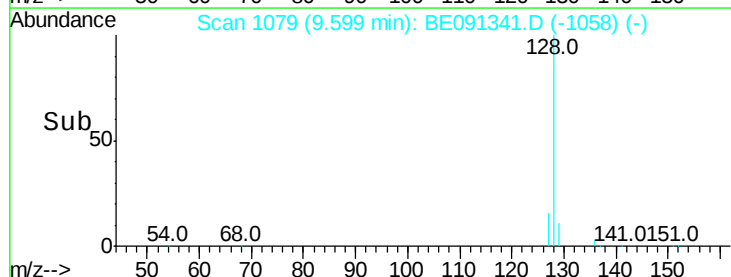
Abundance Ion 128.00 (127.70 to 128.70): BE091339.D (-1075) (-)

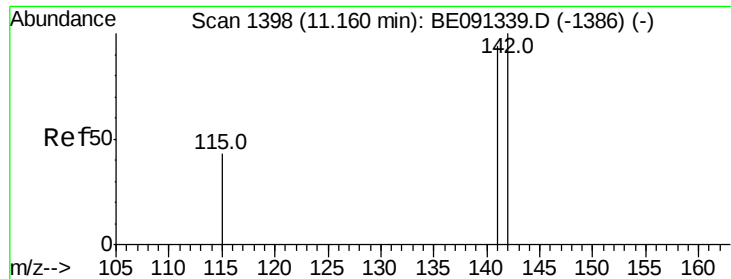
Ion 129.00 (128.70 to 129.70): BE091339.D (-1075) (-)

Ion 127.00 (126.70 to 127.70): BE091339.D (-1075) (-)



Time-->





#7

2-Methylnaphthalene

Concen: 1.51 ng/ul

RT: 11.13 min Scan# 1391

Delta R.T. -0.03 min

Lab File: BE091341.D

Acq: 15 Dec 2015 2:56

Instrument :

BNA_E

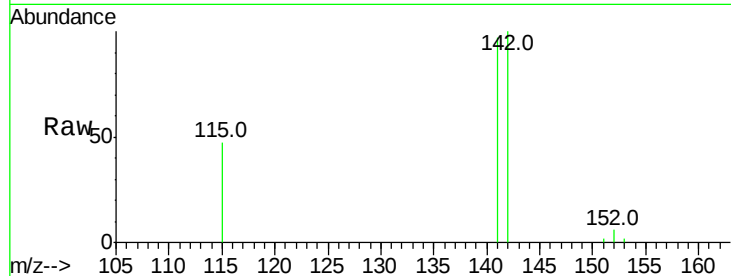
ClientSampleId :

Tot Ion:142 Resp: 15588

Ion Ratio Lower Upper

142 100

141 112.3 89.4 134.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.13

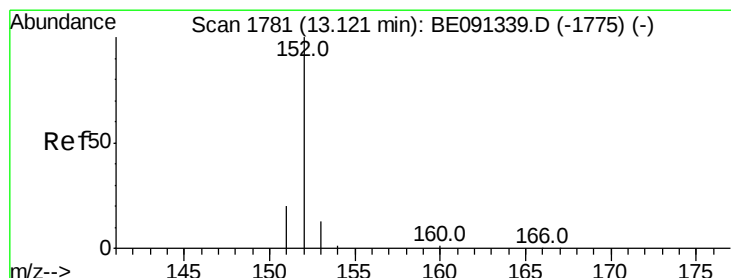
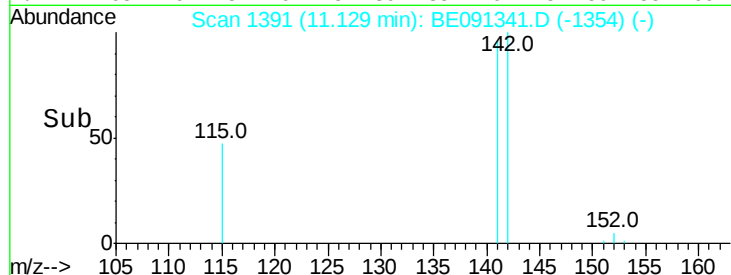
6000

4000

2000

0

Time--> 11.05 11.10 11.15 11.20



#9

Acenaphthylene

Concen: 1.53 ng/ul

RT: 13.11 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BE091341.D

Acq: 15 Dec 2015 2:56

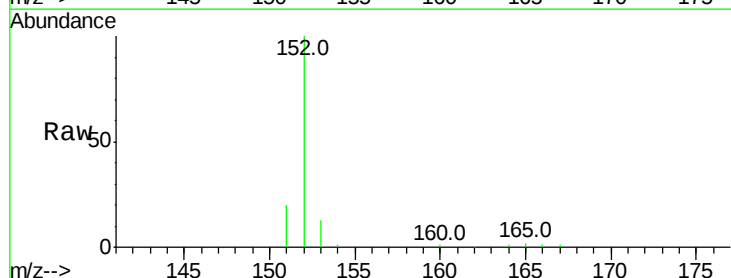
Tgt Ion:152 Resp: 27015

Ion Ratio Lower Upper

152 100

151 19.6 17.8 26.8

153 13.0 12.4 18.6



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

13.11

20000

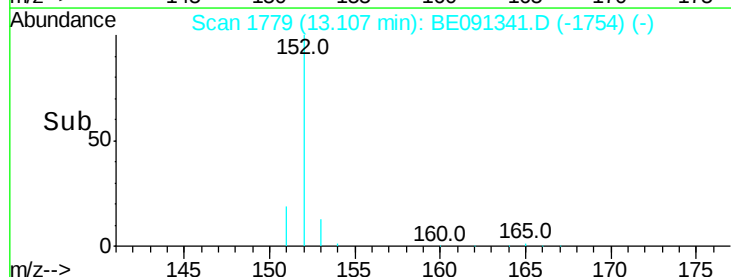
15000

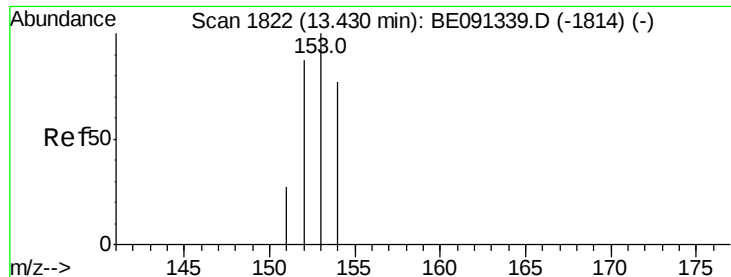
10000

5000

0

Time--> 13.00 13.20





#10

Acenaphthene

Concen: 1.58 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091341.D

Acq: 15 Dec 2015 2:56

Instrument :

BNA_E

ClientSampleId :

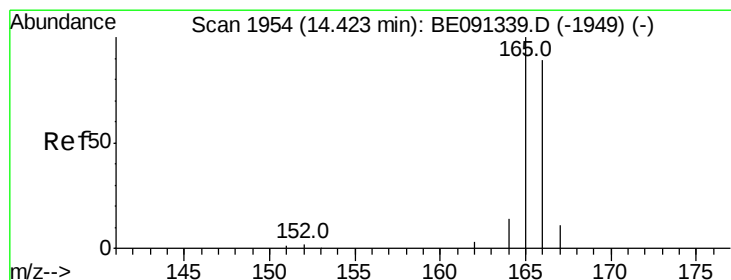
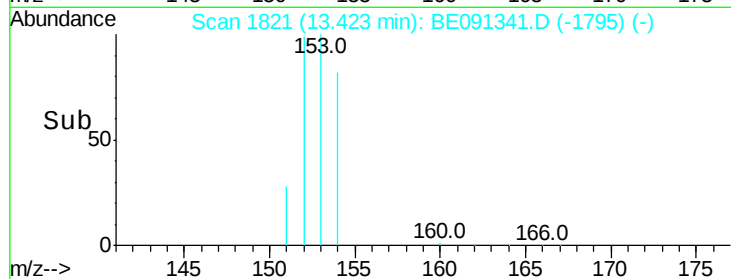
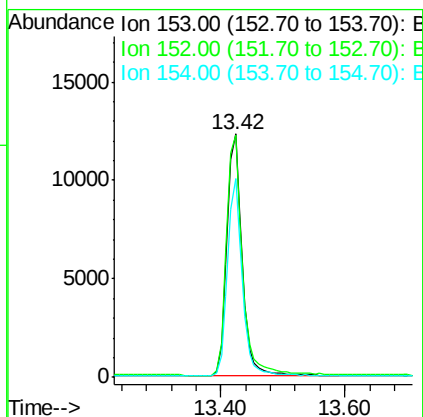
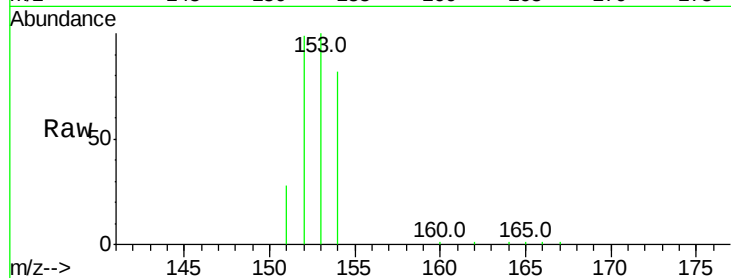
Tot Ion:153 Resp: 21137

Ion Ratio Lower Upper

153 100

152 99.3 70.5 105.7

154 81.6 62.3 93.5



#11

Fluorene

Concen: 1.71 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091341.D

Acq: 15 Dec 2015 2:56

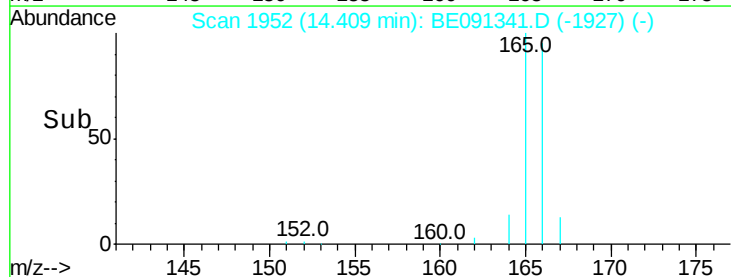
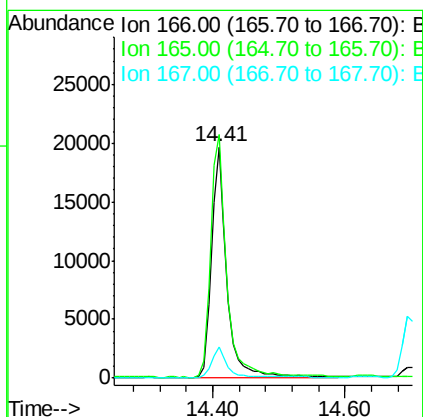
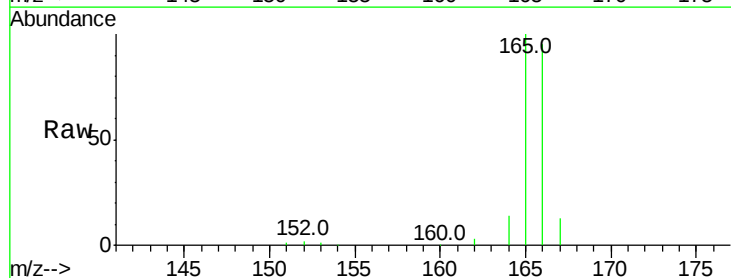
Tgt Ion:166 Resp: 31883

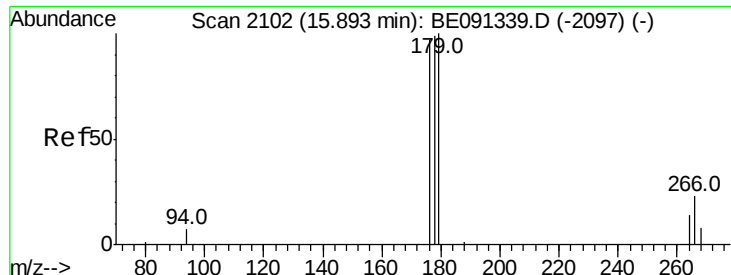
Ion Ratio Lower Upper

166 100

165 105.5 90.2 135.4

167 13.6 12.2 18.2

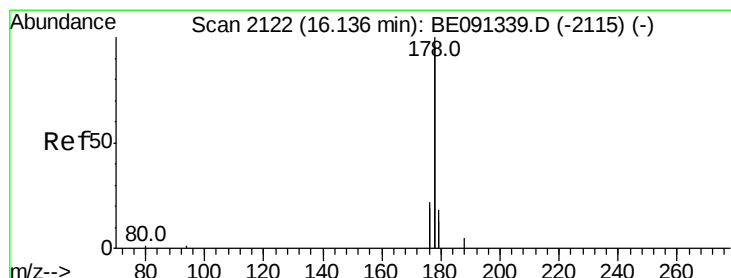
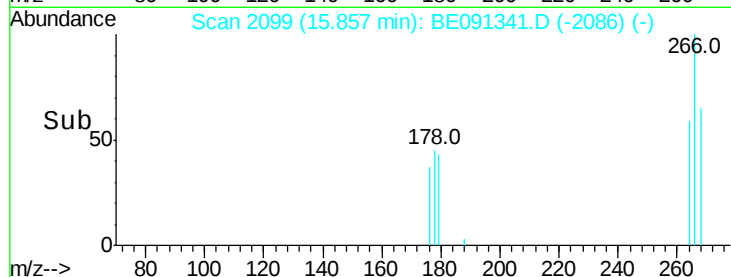
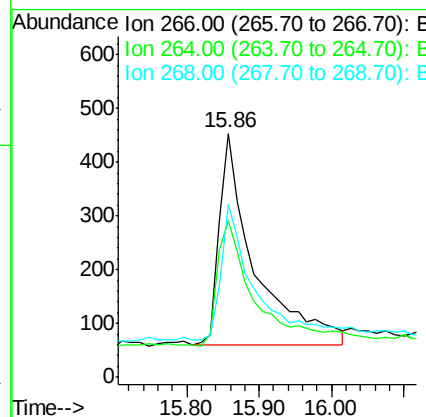
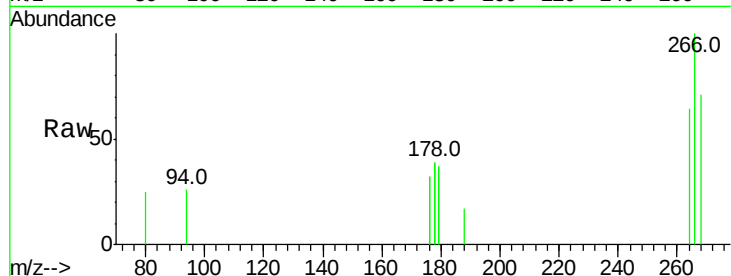




#13
 Pentachlorophenol
 Concen: 2.21 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. -0.04 min
 Lab File: BE091341.D
 Acq: 15 Dec 2015 2:56

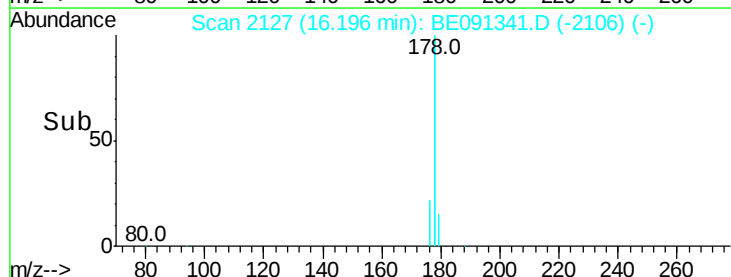
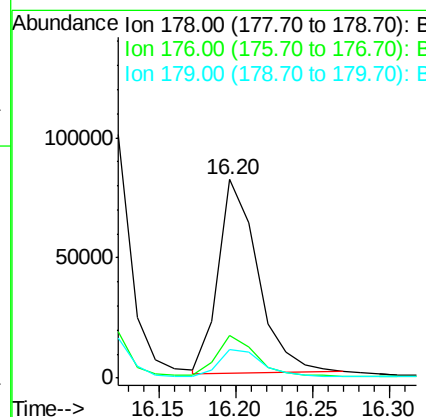
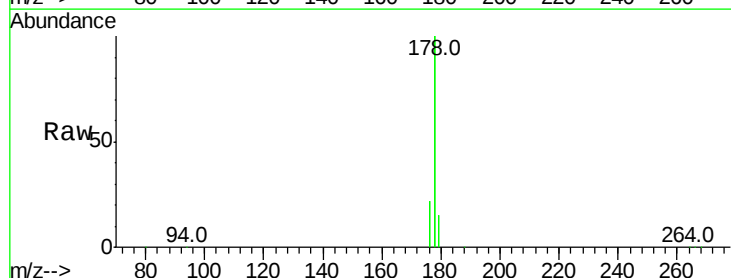
Instrument :
 BNA_E
 ClientSampleId :

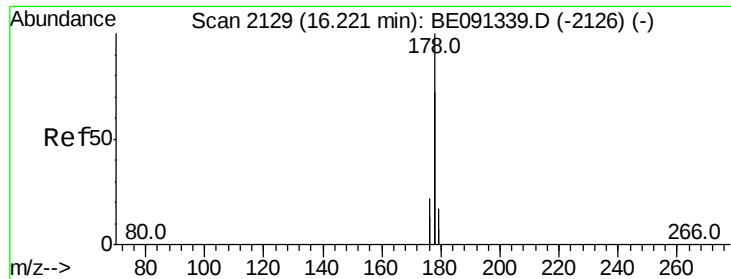
Tot Ion:266 Resp: 1354
 Ion Ratio Lower Upper
 266 100
 264 64.3 54.7 82.1
 268 61.7 36.2 54.2#



#14
 Phenanthrene
 Concen: 1.33 ng/ul
 RT: 16.20 min Scan# 2127
 Delta R.T. 0.06 min
 Lab File: BE091341.D
 Acq: 15 Dec 2015 2:56

Tgt Ion:178 Resp: 143597
 Ion Ratio Lower Upper
 178 100
 176 21.5 17.8 26.8
 179 14.5 14.0 21.0





#15

Anthracene

Concen: 1.79 ng/ul

RT: 16.20 min Scan# 2127

Delta R.T. -0.02 min

Lab File: BE091341.D

Acq: 15 Dec 2015 2:56

Instrument :

BNA_E

ClientSampleId :

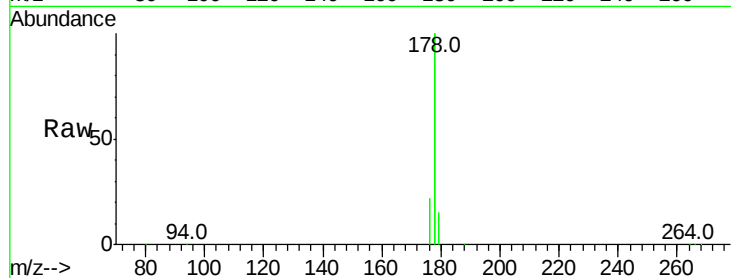
Tot Ion:178 Resp: 156106

Ion Ratio Lower Upper

178 100

176 21.5 17.9 26.9

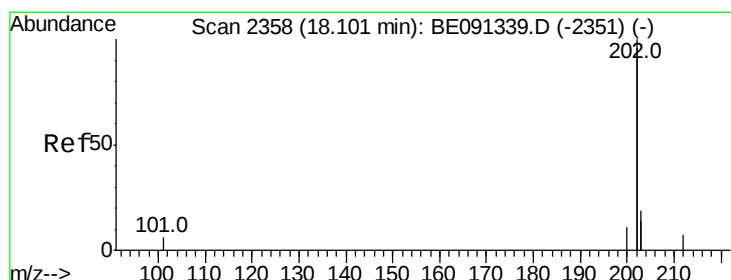
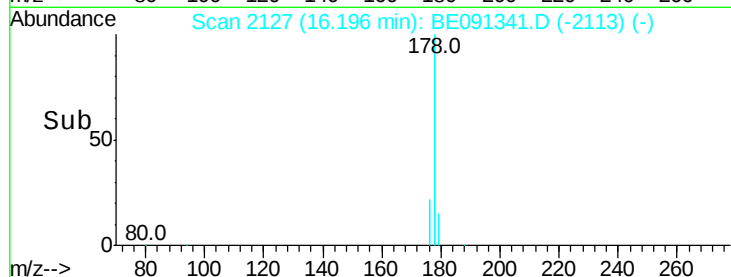
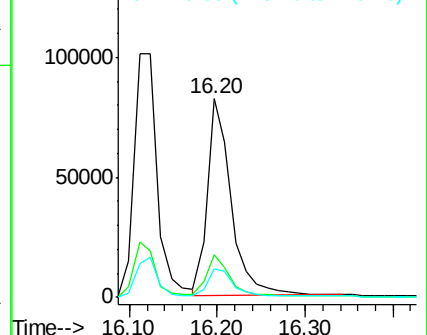
179 14.5 13.8 20.6



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: 1.53 ng/ul

RT: 18.09 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BE091341.D

Acq: 15 Dec 2015 2:56

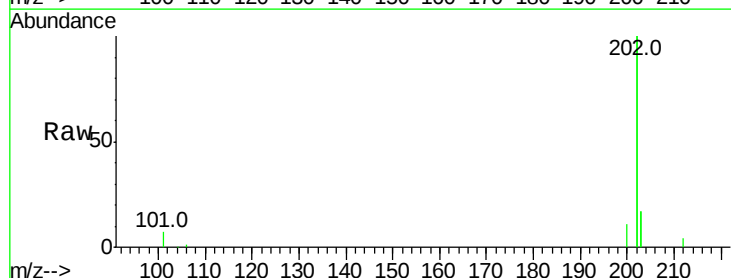
Tgt Ion:202 Resp: 174851

Ion Ratio Lower Upper

202 100

101 3.6 0.0 23.6

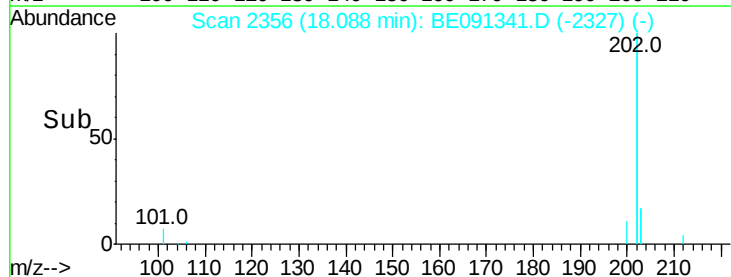
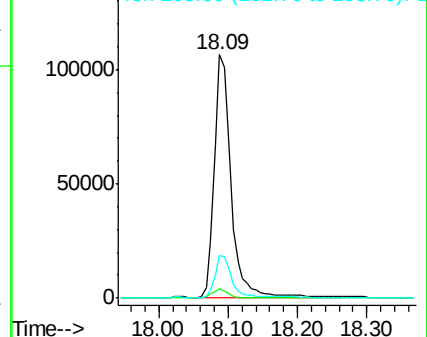
203 17.4 0.0 38.7

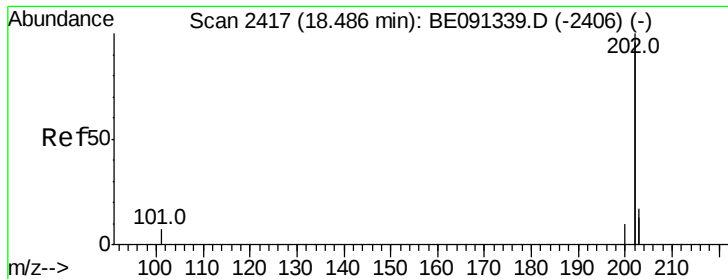


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 1.42 ng/ul

RT: 18.48 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BE091341.D

Acq: 15 Dec 2015 2:56

Instrument :

BNA_E

ClientSampleId :

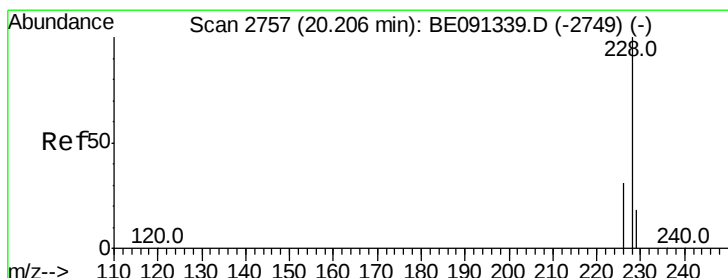
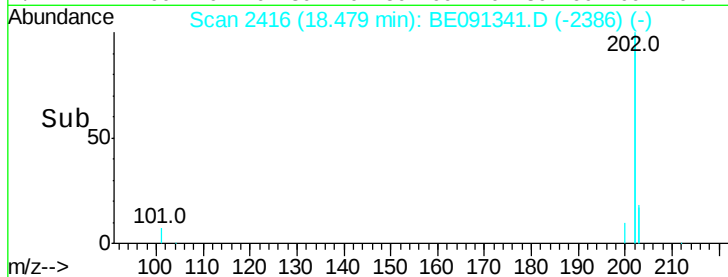
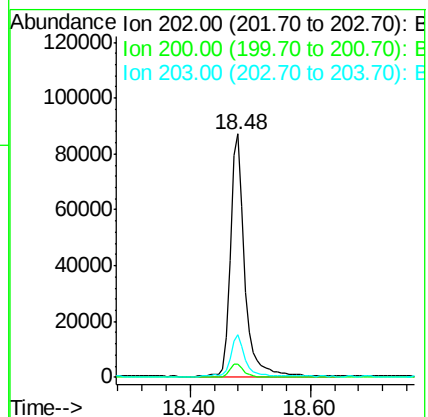
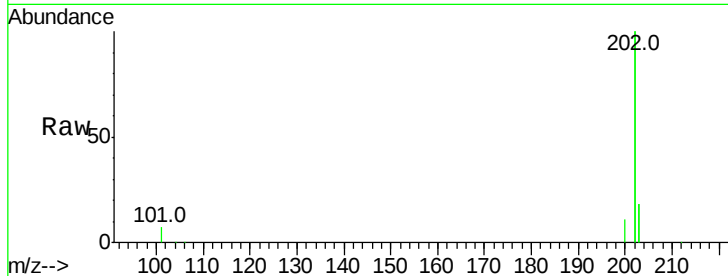
Tot Ion:202 Resp: 143816

Ion Ratio Lower Upper

202 100

200 5.3 4.4 6.6

203 17.7 13.8 20.8



#20

Benzo(a)anthracene

Concen: 1.48 ng/ul

RT: 20.19 min Scan# 2754

Delta R.T. -0.01 min

Lab File: BE091341.D

Acq: 15 Dec 2015 2:56

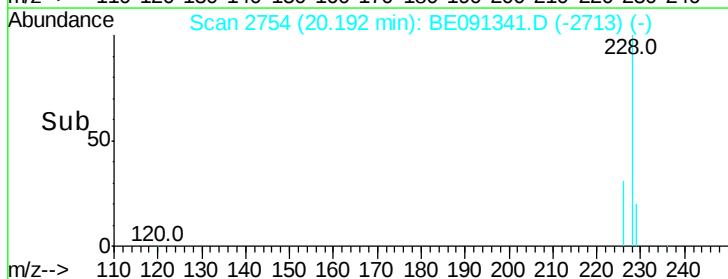
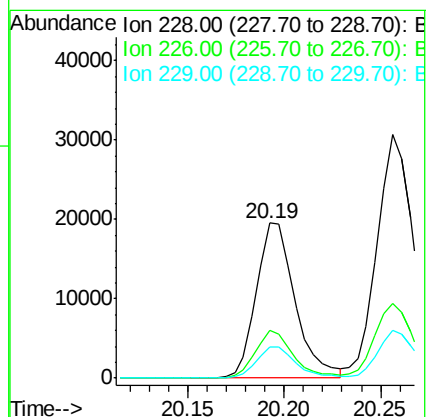
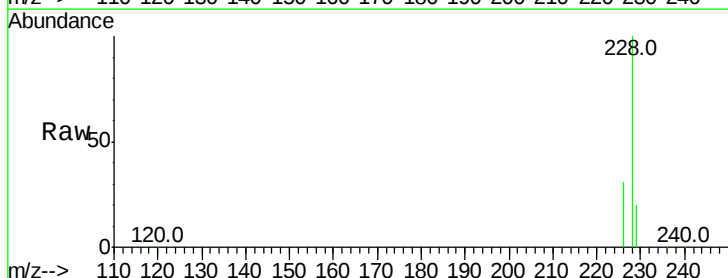
Tgt Ion:228 Resp: 27084

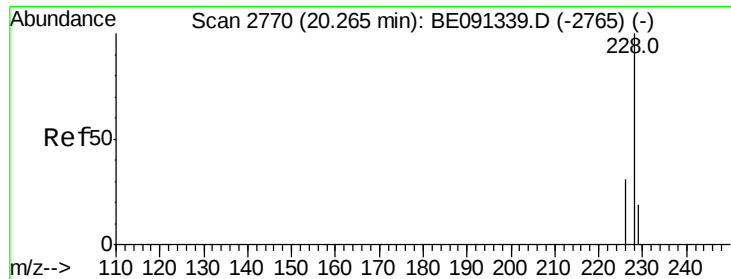
Ion Ratio Lower Upper

228 100

226 30.9 25.8 38.8

229 20.1 15.6 23.4





#21

Chrysene

Concen: 1.55 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BE091341.D

Acq: 15 Dec 2015 2:56

Instrument :

BNA_E

ClientSampleId :

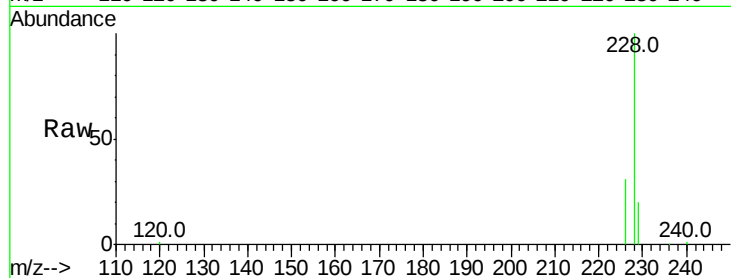
Tot Ion:228 Resp: 44259

Ion Ratio Lower Upper

228 100

226 30.7 26.2 39.4

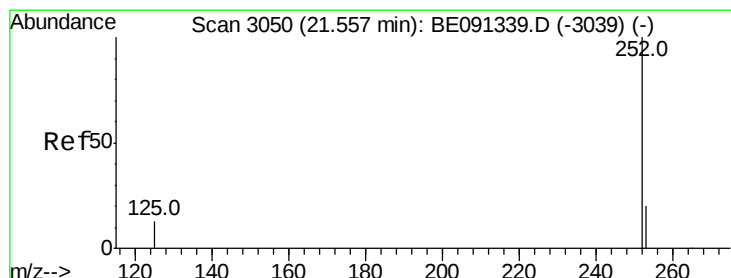
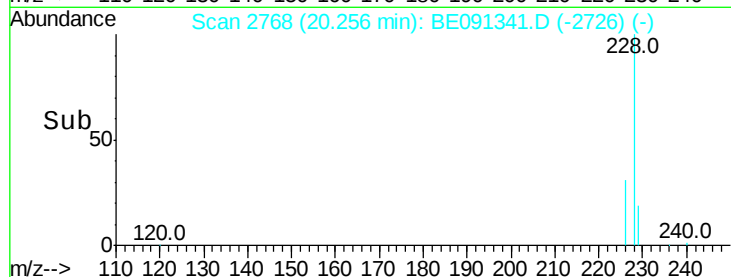
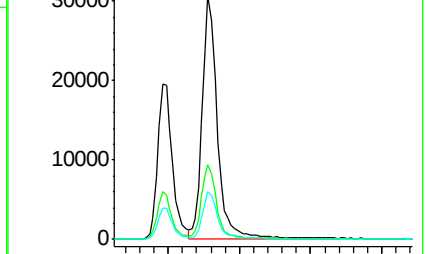
229 19.6 16.2 24.4



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: 1.45 ng/ul

RT: 21.55 min Scan# 3048

Delta R.T. -0.01 min

Lab File: BE091341.D

Acq: 15 Dec 2015 2:56

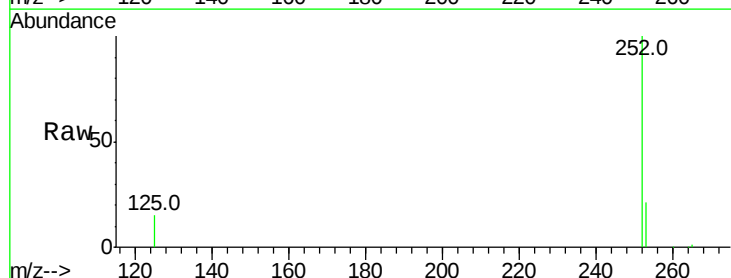
Tgt Ion:252 Resp: 34245

Ion Ratio Lower Upper

252 100

253 21.1 0.0 44.6

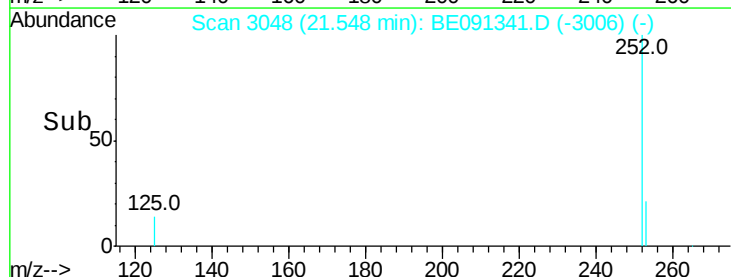
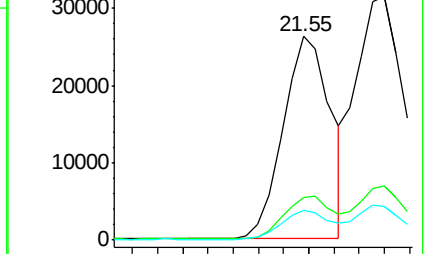
125 14.8 0.0 31.4

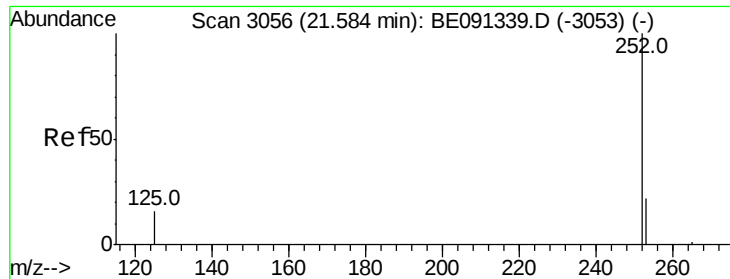


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 1.67 ng/ul

RT: 21.58 min Scan# 3055

Delta R.T. -0.00 min

Lab File: BE091341.D

Acq: 15 Dec 2015 2:56

Instrument :

BNA_E

ClientSampleId :

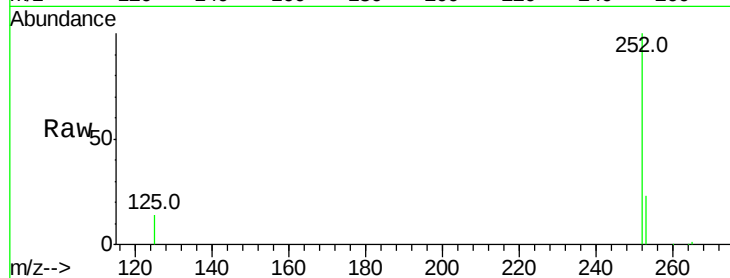
Tot Ion:252 Resp: 46998

Ion Ratio Lower Upper

252 100

253 22.5 20.1 30.1

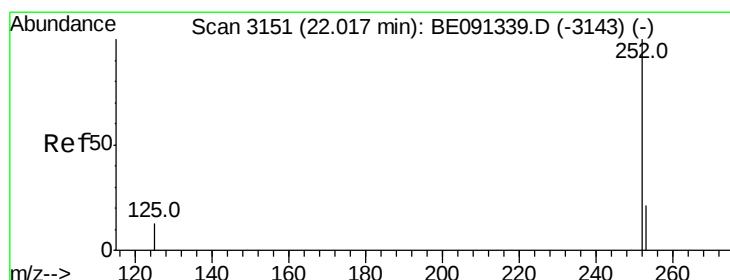
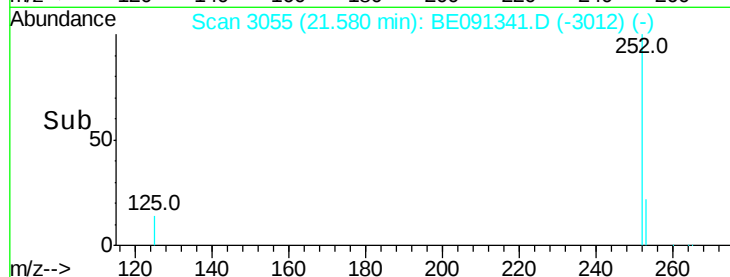
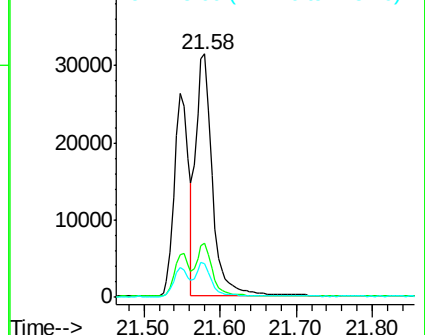
125 13.9 12.9 19.3



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: 1.38 ng/ul

RT: 22.01 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BE091341.D

Acq: 15 Dec 2015 2:56

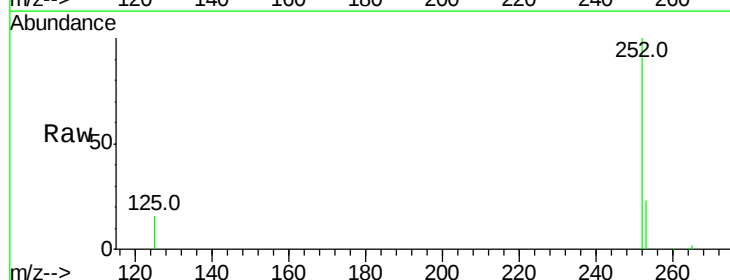
Tgt Ion:252 Resp: 33725

Ion Ratio Lower Upper

252 100

253 22.6 19.3 28.9

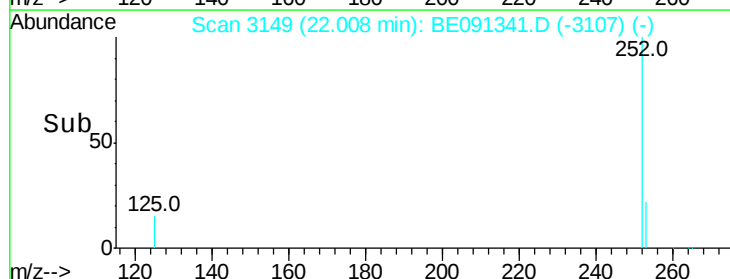
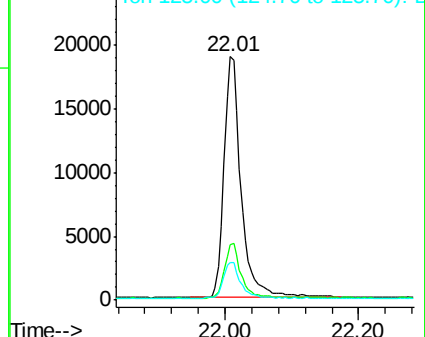
125 15.7 14.2 21.2

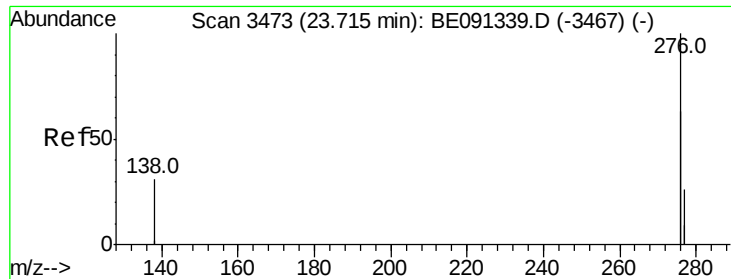


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

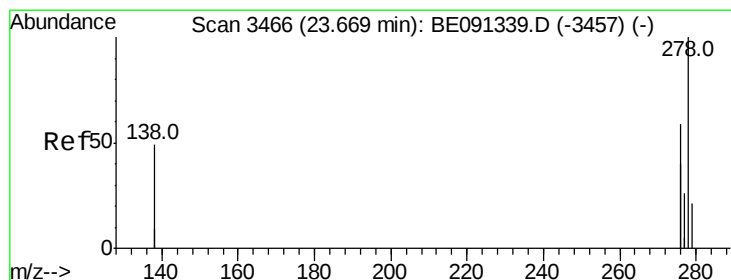
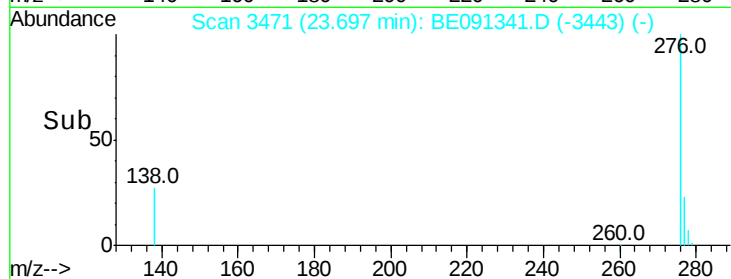
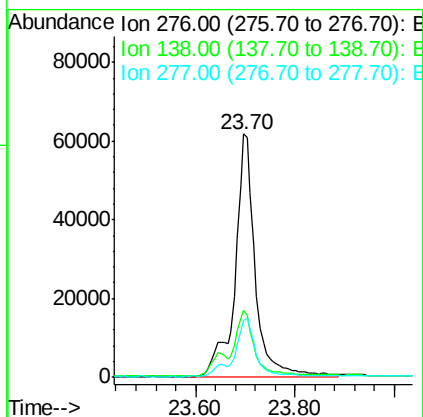
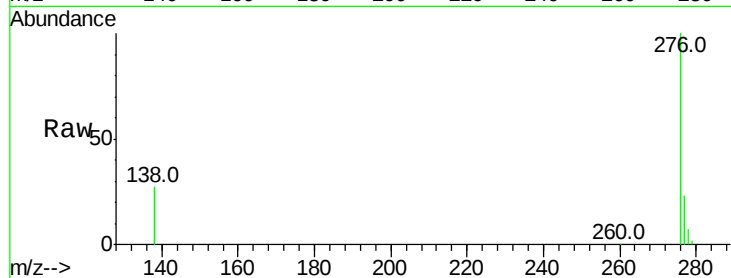




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 1.83 ng/ul
 RT: 23.70 min Scan# 3471
 Delta R.T. -0.02 min
 Lab File: BE091341.D
 Acq: 15 Dec 2015 2:56

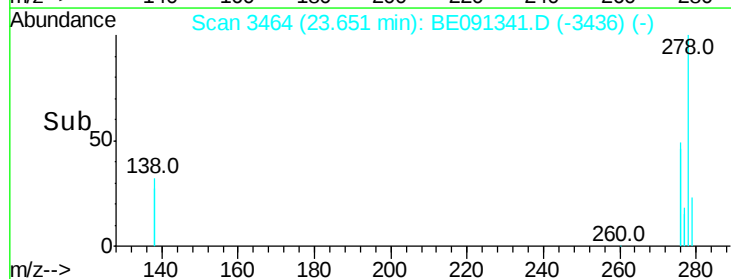
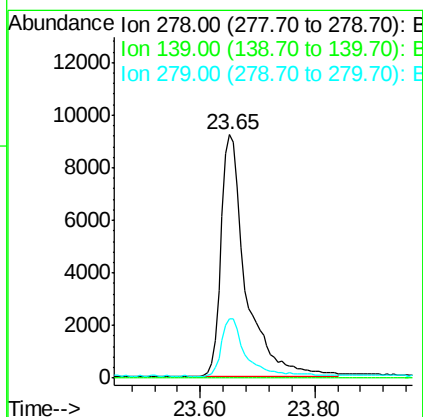
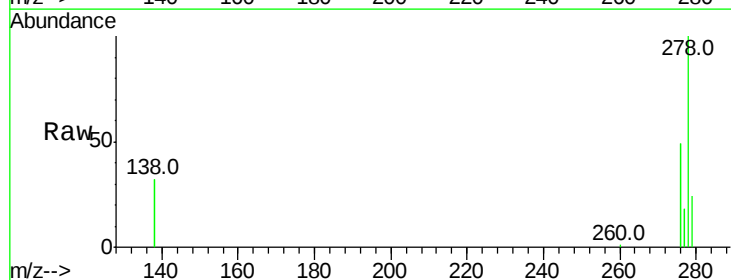
Instrument :
 BNA_E
 ClientSampleId :

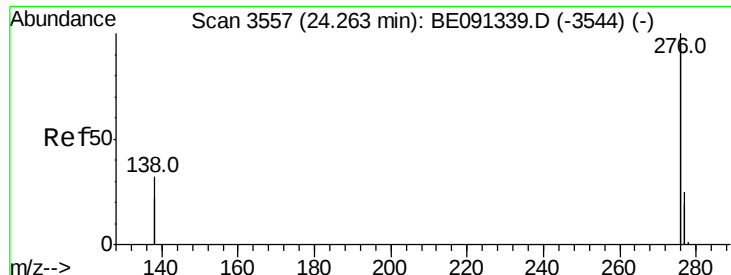
Tot Ion:276 Resp: 174165
 Ion Ratio Lower Upper
 276 100
 138 24.0 23.1 34.7
 277 21.1 23.1 34.7#



#27
 Dibenzo(a,h)anthracene
 Concen: 1.56 ng/ul
 RT: 23.65 min Scan# 3464
 Delta R.T. -0.02 min
 Lab File: BE091341.D
 Acq: 15 Dec 2015 2:56

Tgt Ion:278 Resp: 27933
 Ion Ratio Lower Upper
 278 100
 139 0.0 0.0 0.0
 279 24.3 21.4 32.2





#28

Benzo(a,h,i)perylene

Concen: 1.48 ng/ul

RT: 24.25 min Scan# 3556

Delta R.T. -0.01 min

Lab File: BE091341.D

Acq: 15 Dec 2015 2:56

Instrument :

BNA_E

ClientSampleId :

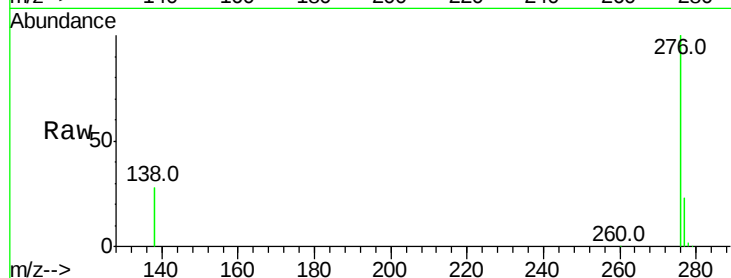
Tot Ion: 276 Resp: 144522

Ion Ratio Lower Upper

276 100

277 23.2 20.3 30.5

138 28.2 25.3 37.9



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

