

Data Path : U:\HPCHEM1\BNA E\DATA\BE121515\
 Data File : BE091340.D
 Acq On : 15 Dec 2015 2:20
 Operator : UM/SJ
 Sample : SSTD0.874
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 15 04:37:04 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

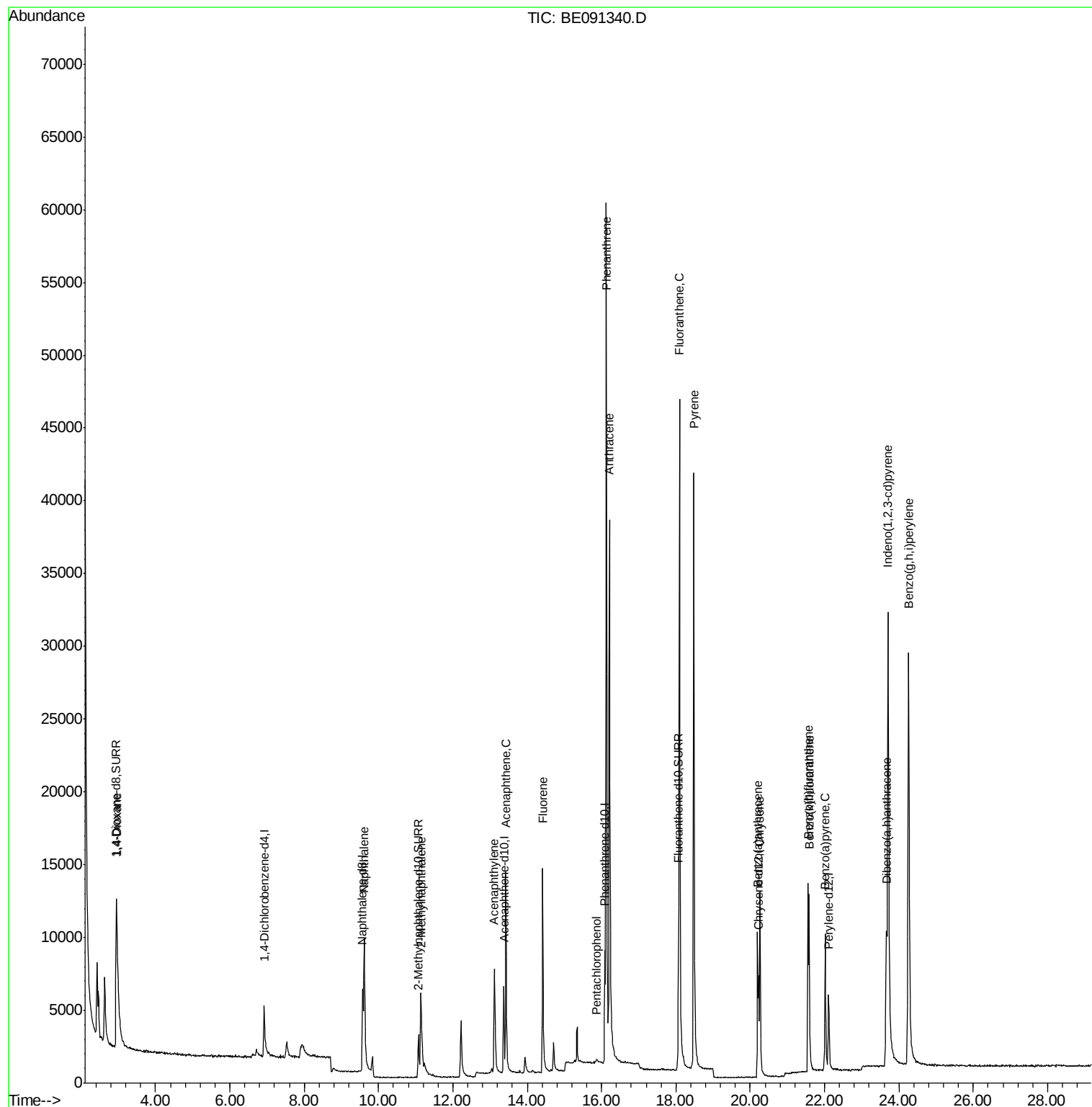
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	3262	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.57	136	10779	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	2876	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	9854	0.40	ng/ul	-0.01
18) Chrysene-d12	20.23	240	6452	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	6574	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	9036	3.38	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	11.07	152	5714	0.69	ng/ul	-0.02
16) Fluoranthene-d10	18.07	212	12859	0.58	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	2.96	88	9844	3.22	ng/ul	94
5) Naphthalene	9.61	128	17254	0.72	ng/ul	93
7) 2-Methylnaphthalene	11.14	142	6459	0.68	ng/ul	97
9) Acenaphthylene	13.11	152	10863	0.69	ng/ul	97
10) Acenaphthene	13.42	153	8232	0.69	ng/ul	92
11) Fluorene	14.42	166	10707	0.65	ng/ul	98
13) Pentachlorophenol	15.87	266	463	0.78	ng/ul#	85
14) Phenanthrene	16.12	178	69383	0.67	ng/ul	98
15) Anthracene	16.21	178	57079	0.68	ng/ul	98
17) Fluoranthene	18.10	202	62482	0.57	ng/ul	98
19) Pyrene	18.48	202	56079	0.73	ng/ul	100
20) Benzo(a)anthracene	20.20	228	10233	0.74	ng/ul	98
21) Chrysene	20.26	228	14079	0.65	ng/ul	99
23) Benzo(b)fluoranthene	21.55	252	12936	0.64	ng/ul	99
24) Benzo(k)fluoranthene	21.59	252	14704	0.61	ng/ul	96
25) Benzo(a)pyrene	22.01	252	12777	0.61	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	23.71	276	61615	0.76	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.66	278	10720	0.70	ng/ul	97
28) Benzo(g,h,i)perylene	24.26	276	56329	0.67	ng/ul	99

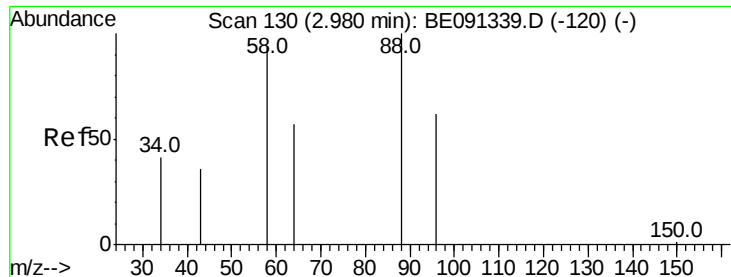
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 15 04:30:27 2015
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#3

1,4-Dioxane

Concen: 3.22 ng/ul

RT: 2.96 min Scan# 127

Delta R.T. -0.02 min

Lab File: BE091340.D

Acq: 15 Dec 2015 2:20

Instrument :

BNA_E

ClientSampleId :

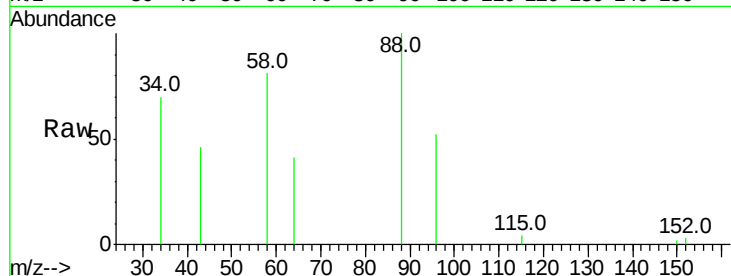
Tot Ion: 88 Resp: 9844

Ion Ratio Lower Upper

88 100

58 100.4 76.0 114.0

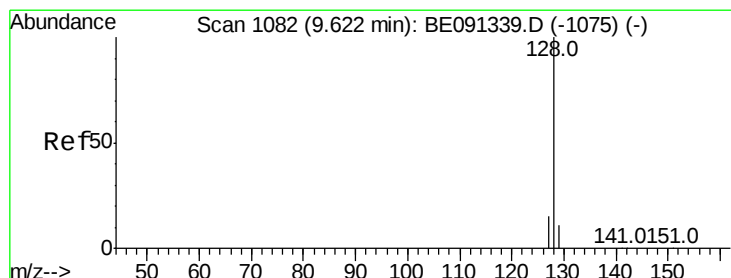
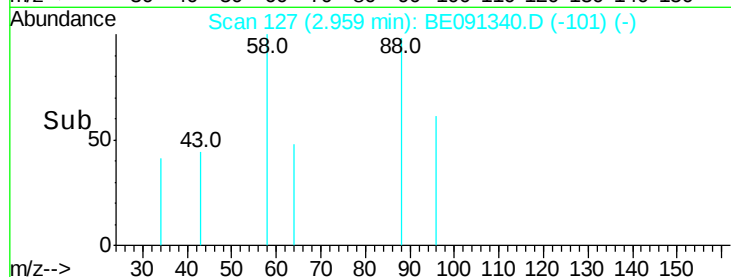
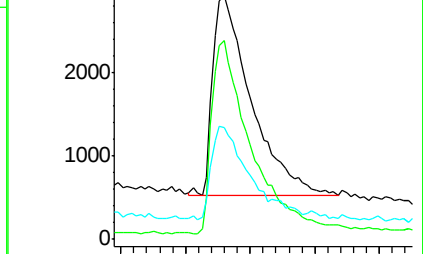
43 47.1 34.3 51.5



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) (-)



#5

Naphthalene

Concen: 0.72 ng/ul

RT: 9.61 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BE091340.D

Acq: 15 Dec 2015 2:20

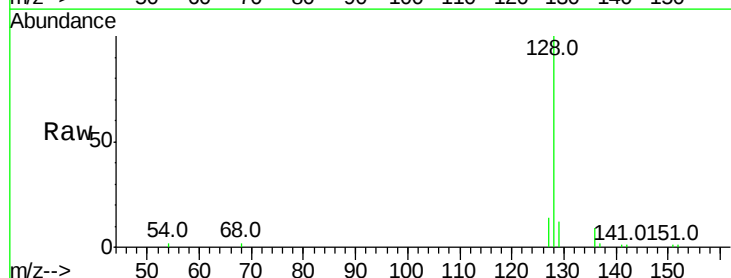
Tgt Ion: 128 Resp: 17254

Ion Ratio Lower Upper

128 100

129 11.7 11.0 16.4

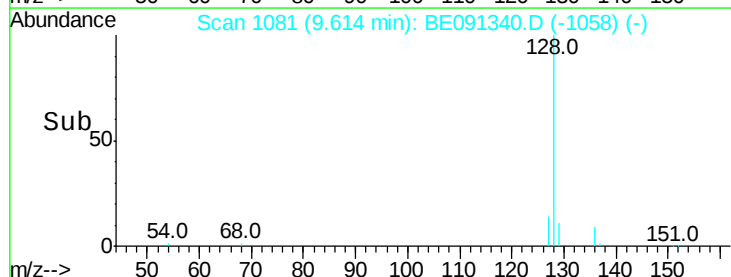
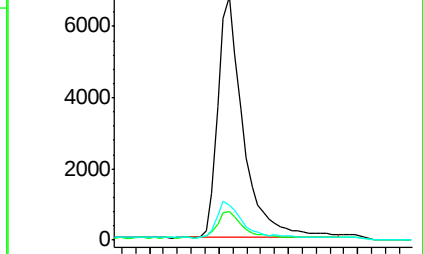
127 14.5 14.3 21.5

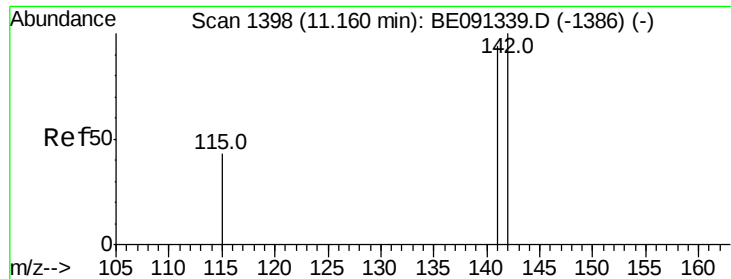


Abundance Ion 128.00 (127.70 to 128.70): BE091339.D (-1075) (-)

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

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





#7

2-Methylnaphthalene

Concen: 0.68 ng/ul

RT: 11.14 min Scan# 1394

Delta R.T. -0.02 min

Lab File: BE091340.D

Acq: 15 Dec 2015 2:20

Instrument :

BNA_E

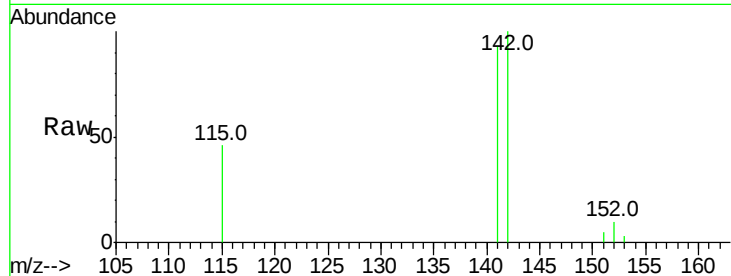
ClientSampleId :

Tot Ion:142 Resp: 6459

Ion Ratio Lower Upper

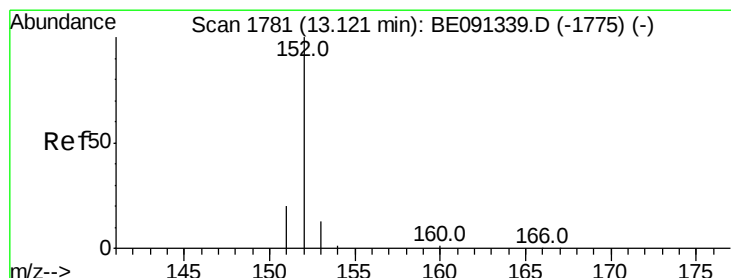
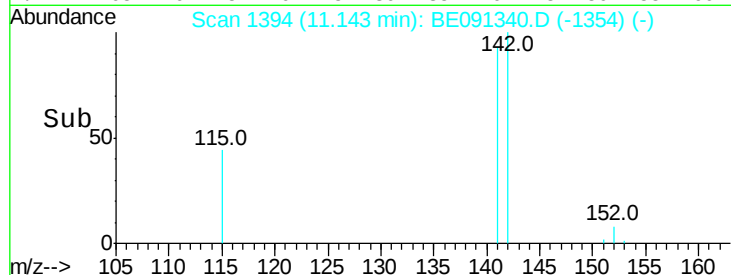
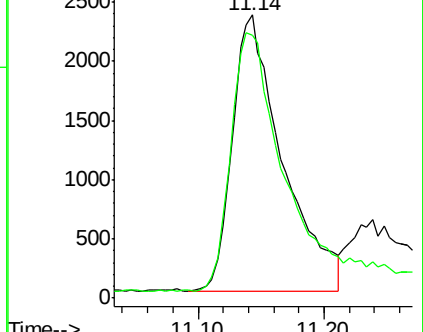
142 100

141 115.3 89.4 134.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.69 ng/ul

RT: 13.11 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BE091340.D

Acq: 15 Dec 2015 2:20

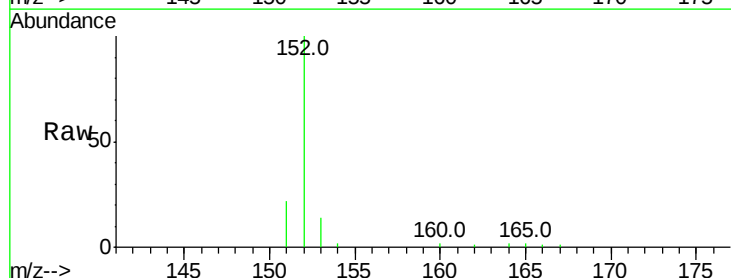
Tgt Ion:152 Resp: 10863

Ion Ratio Lower Upper

152 100

151 21.5 17.8 26.8

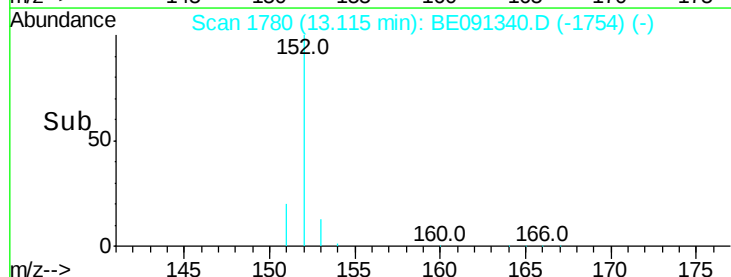
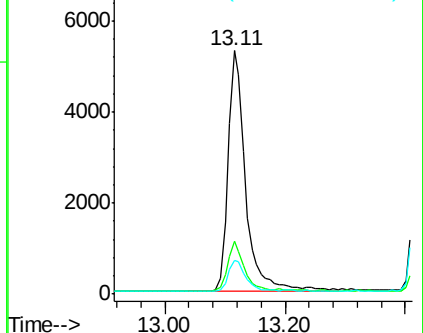
153 13.9 12.4 18.6

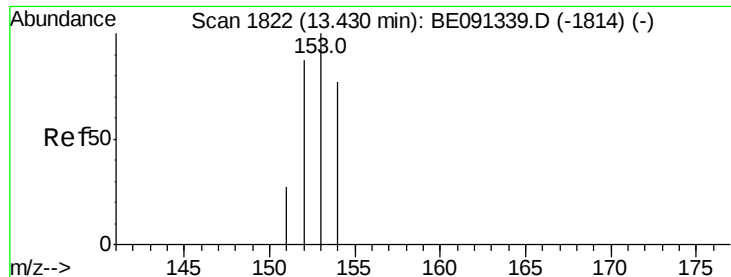


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.69 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091340.D

Acq: 15 Dec 2015 2:20

Instrument :

BNA_E

ClientSampleId :

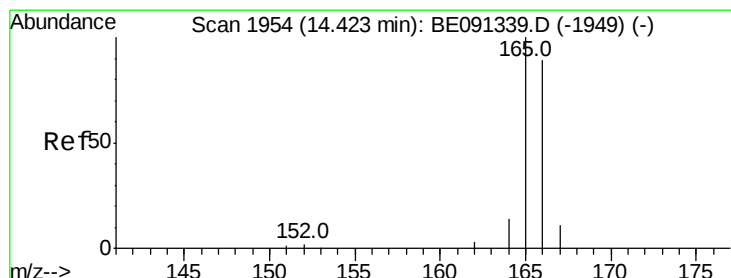
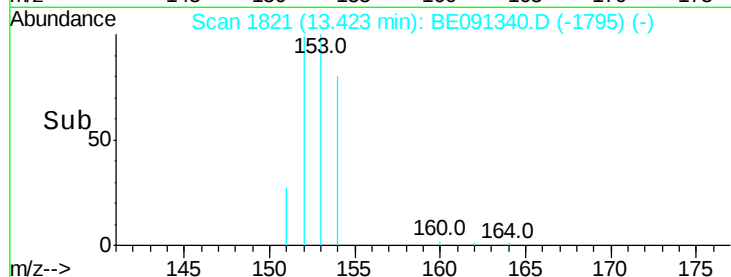
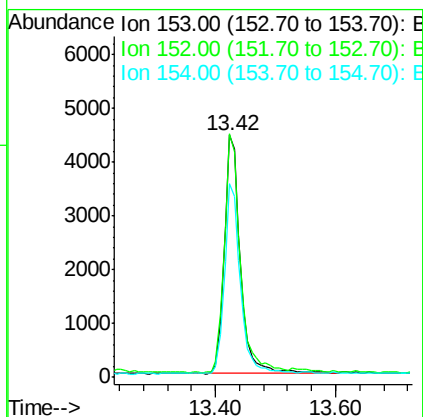
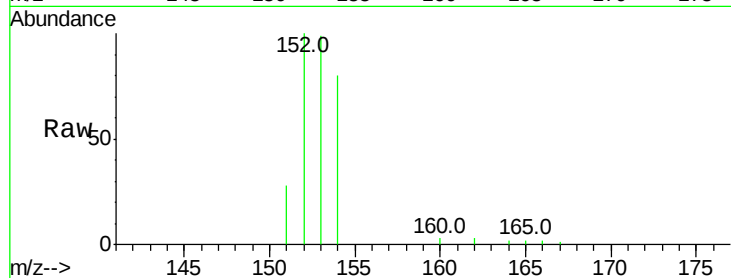
Tot Ion:153 Resp: 8232

Ion Ratio Lower Upper

153 100

152 100.6 70.5 105.7

154 80.1 62.3 93.5



#11

Fluorene

Concen: 0.65 ng/ul

RT: 14.42 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BE091340.D

Acq: 15 Dec 2015 2:20

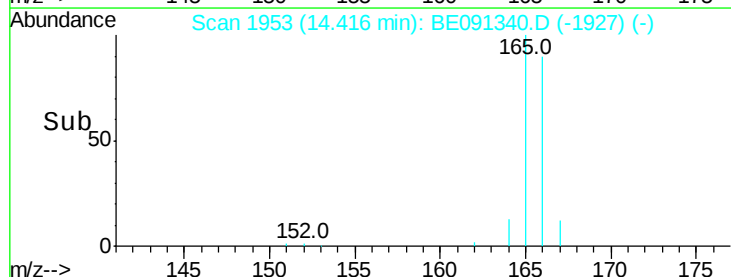
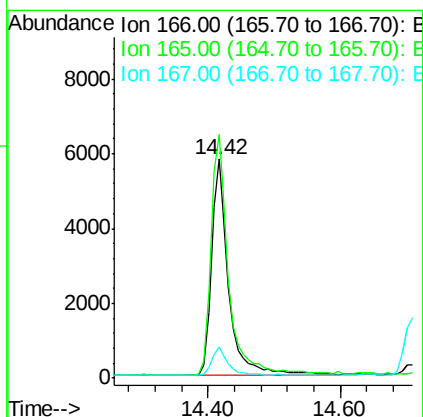
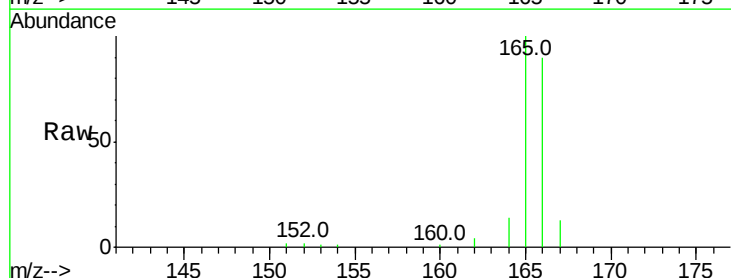
Tgt Ion:166 Resp: 10707

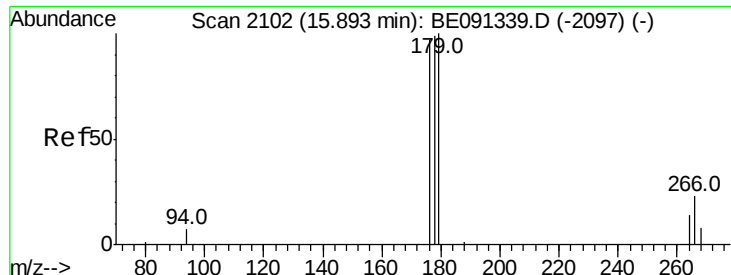
Ion Ratio Lower Upper

166 100

165 111.3 90.2 135.4

167 14.0 12.2 18.2

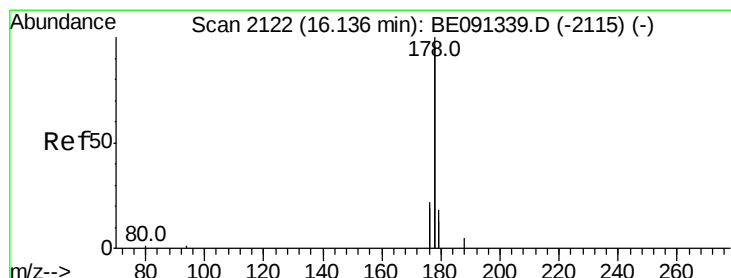
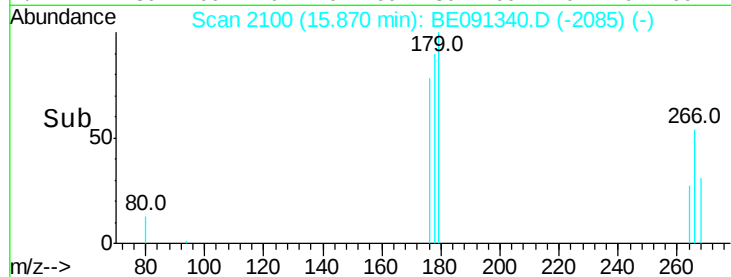
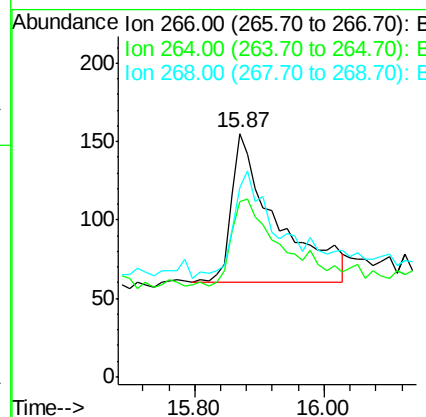
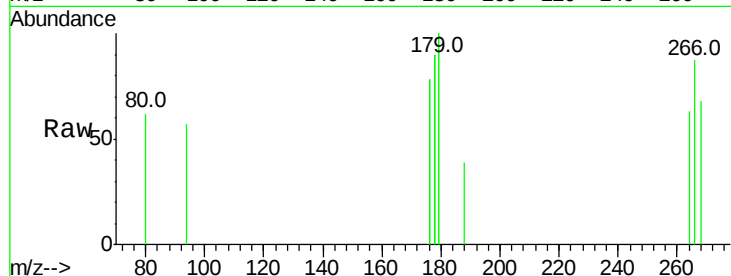




#13
 Pentachlorophenol
 Concen: 0.78 ng/ul
 RT: 15.87 min Scan# 2100
 Delta R.T. -0.02 min
 Lab File: BE091340.D
 Acq: 15 Dec 2015 2:20

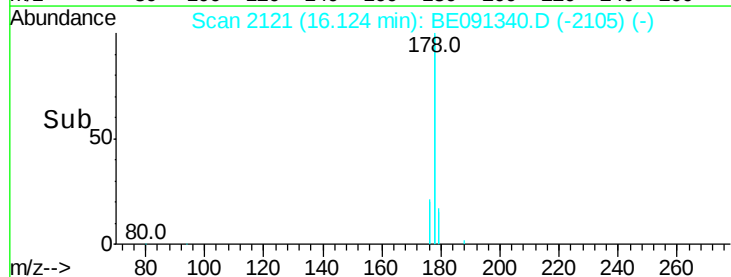
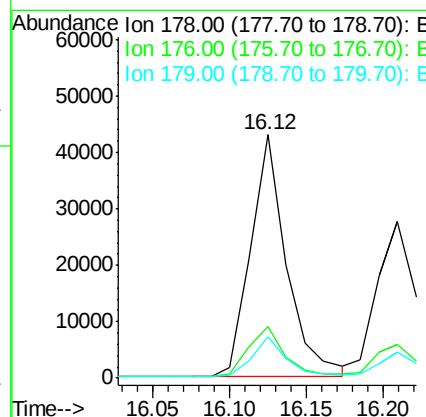
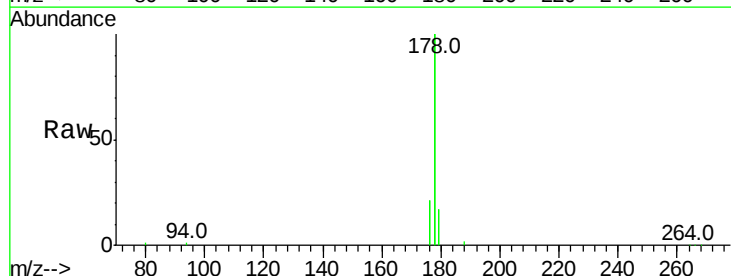
Instrument :
 BNA_E
 ClientSampled :

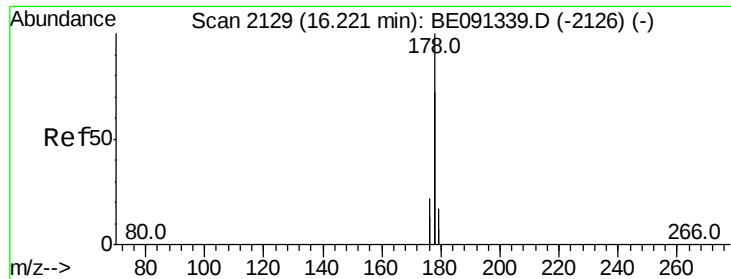
Tot Ion:266 Resp: 463
 Ion Ratio Lower Upper
 266 100
 264 66.1 54.7 82.1
 268 66.7 36.2 54.2#



#14
 Phenanthrene
 Concen: 0.67 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BE091340.D
 Acq: 15 Dec 2015 2:20

Tgt Ion:178 Resp: 69383
 Ion Ratio Lower Upper
 178 100
 176 21.1 17.8 26.8
 179 16.8 14.0 21.0

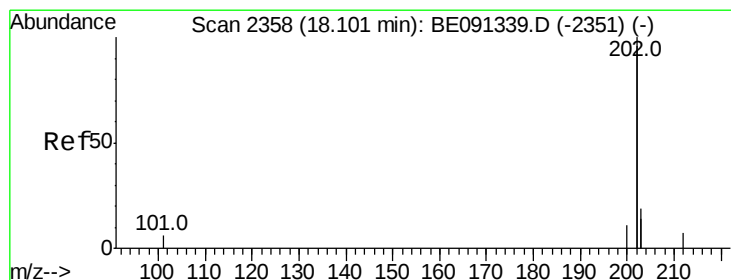
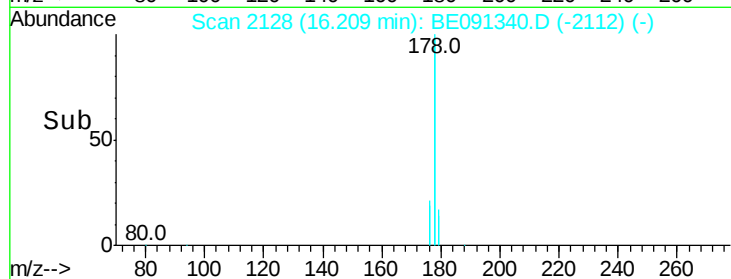
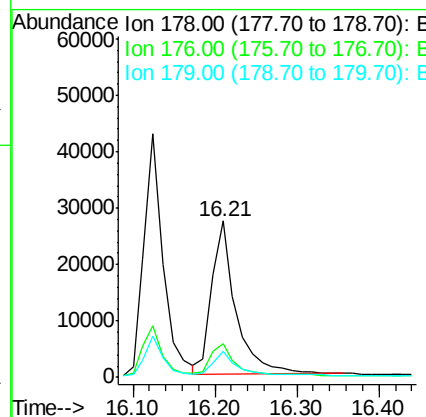
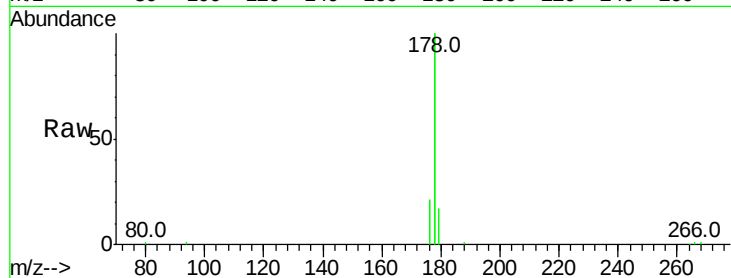




#15
 Anthracene
 Concen: 0.68 ng/ul
 RT: 16.21 min Scan# 2128
 Delta R.T. -0.01 min
 Lab File: BE091340.D
 Acq: 15 Dec 2015 2:20

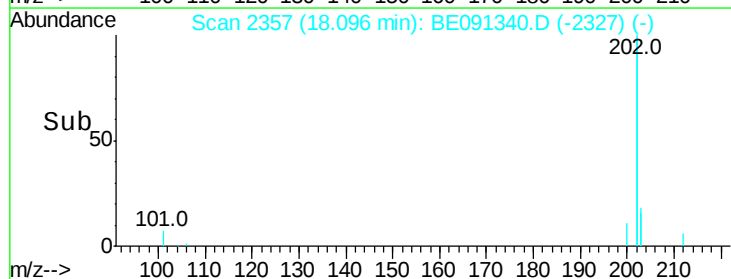
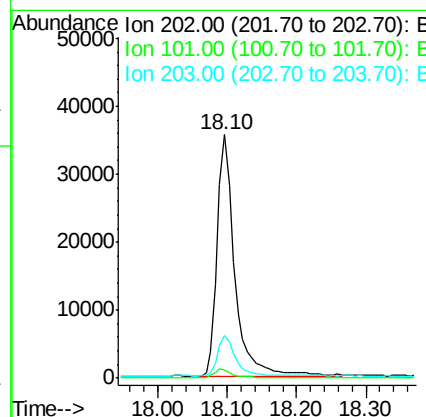
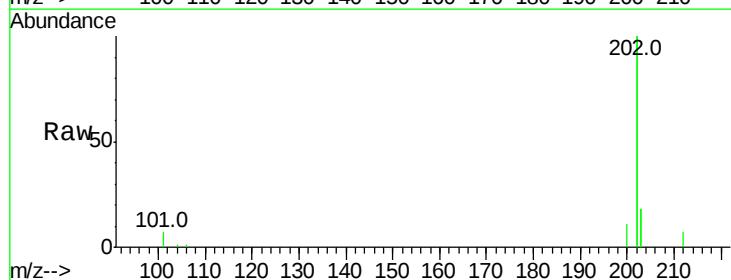
Instrument :
 BNA_E
 ClientSampleId :

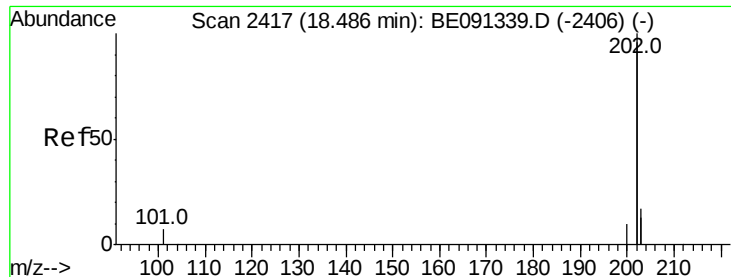
Tot Ion:178 Resp: 57079
 Ion Ratio Lower Upper
 178 100
 176 21.3 17.9 26.9
 179 16.7 13.8 20.6



#17
 Fluoranthene
 Concen: 0.57 ng/ul
 RT: 18.10 min Scan# 2357
 Delta R.T. -0.01 min
 Lab File: BE091340.D
 Acq: 15 Dec 2015 2:20

Tgt Ion:202 Resp: 62482
 Ion Ratio Lower Upper
 202 100
 101 3.5 0.0 23.6
 203 17.8 0.0 38.7





#19

Pvrene

Concen: 0.73 ng/ul

RT: 18.48 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BE091340.D

Acq: 15 Dec 2015 2:20

Instrument :

BNA_E

ClientSampleId :

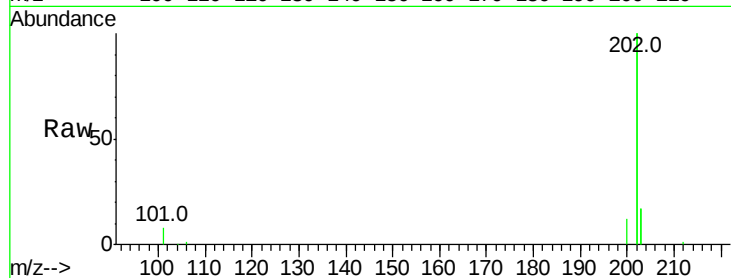
Tot Ion:202 Resp: 56079

Ion Ratio Lower Upper

202 100

200 5.8 4.4 6.6

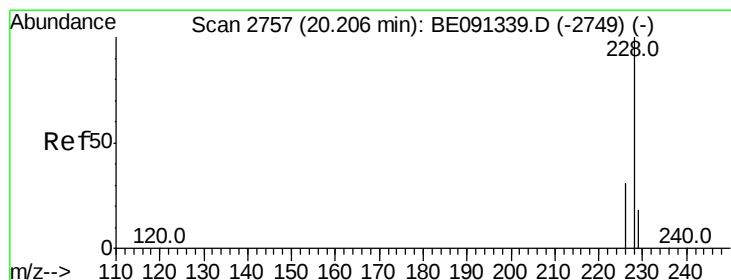
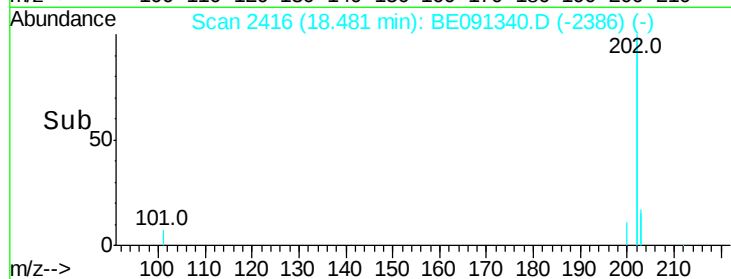
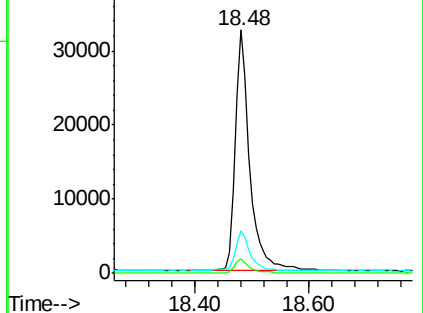
203 17.3 13.8 20.8



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: 0.74 ng/ul

RT: 20.20 min Scan# 2754

Delta R.T. -0.01 min

Lab File: BE091340.D

Acq: 15 Dec 2015 2:20

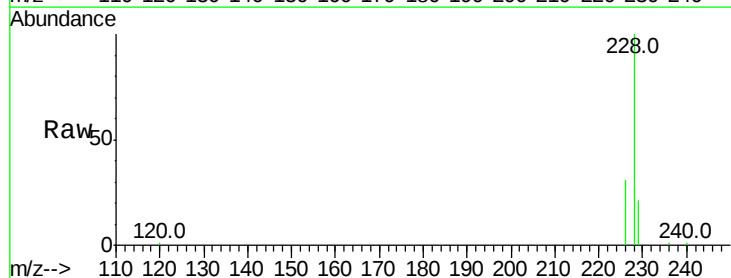
Tgt Ion:228 Resp: 10233

Ion Ratio Lower Upper

228 100

226 31.1 25.8 38.8

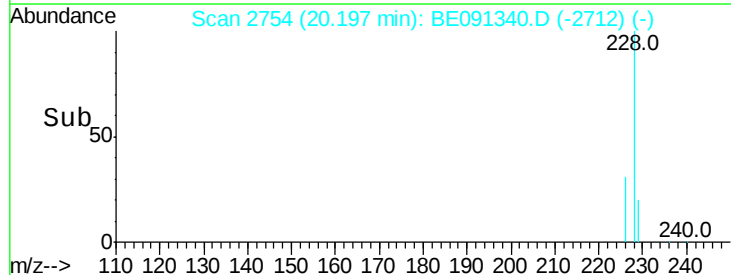
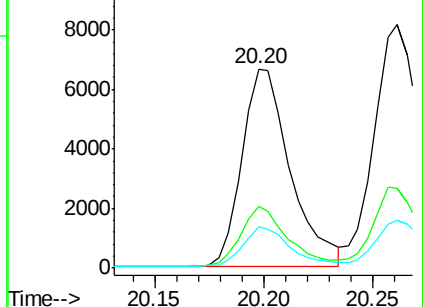
229 20.8 15.6 23.4

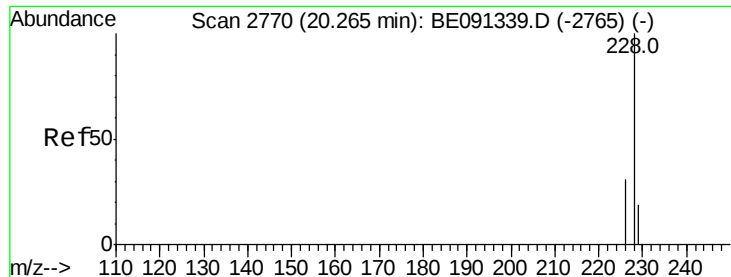


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.65 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091340.D

Acq: 15 Dec 2015 2:20

Instrument :

BNA_E

ClientSampleId :

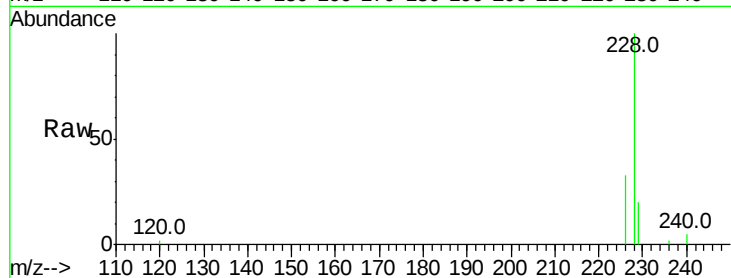
Tot Ion:228 Resp: 14079

Ion Ratio Lower Upper

228 100

226 32.7 26.2 39.4

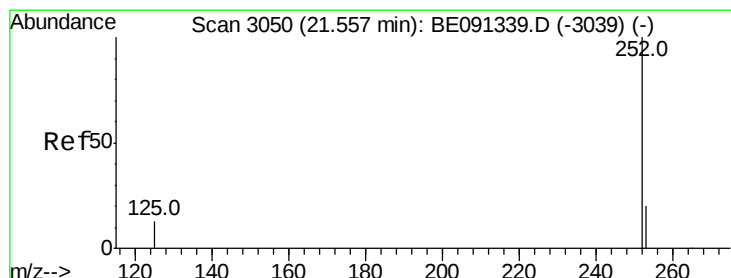
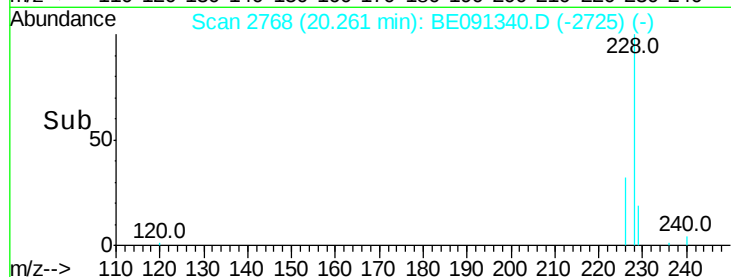
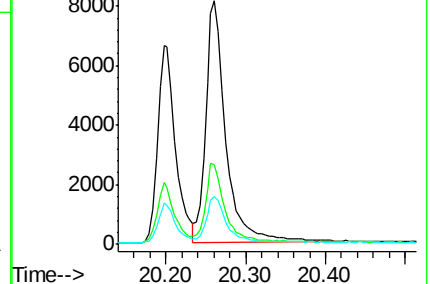
229 19.7 16.2 24.4



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: 0.64 ng/ul

RT: 21.55 min Scan# 3048

Delta R.T. -0.00 min

Lab File: BE091340.D

Acq: 15 Dec 2015 2:20

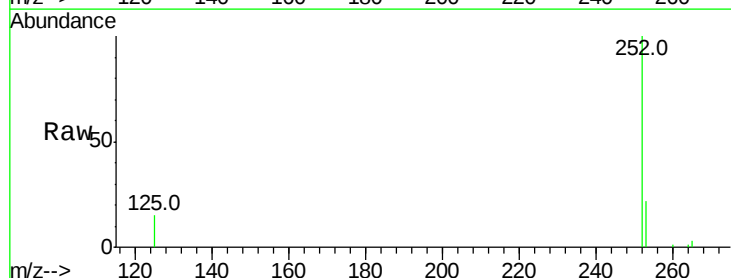
Tgt Ion:252 Resp: 12936

Ion Ratio Lower Upper

252 100

253 21.8 0.0 44.6

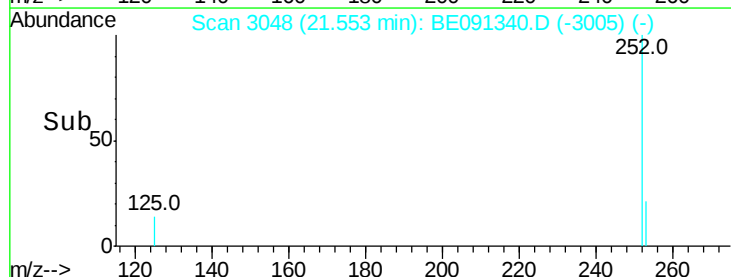
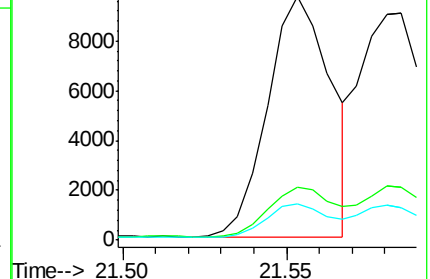
125 15.0 0.0 31.4

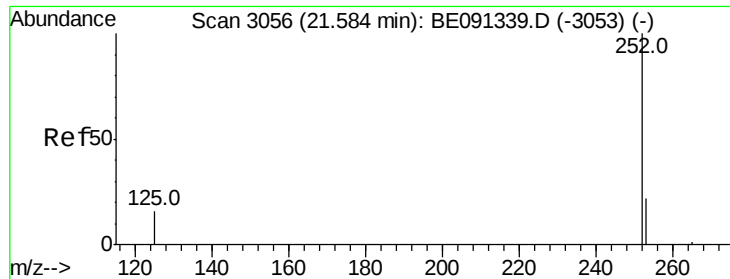


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.61 ng/ul

RT: 21.59 min Scan# 3055

Delta R.T. 0.00 min

Lab File: BE091340.D

Acq: 15 Dec 2015 2:20

Instrument :

BNA_E

ClientSampleId :

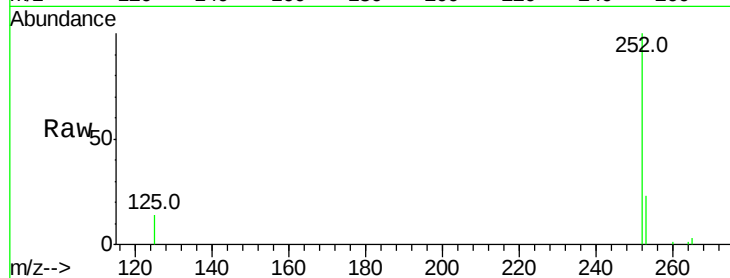
Tot Ion:252 Resp: 14704

Ion Ratio Lower Upper

252 100

253 23.1 20.1 30.1

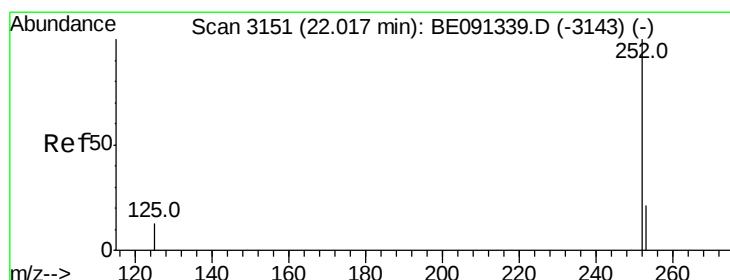
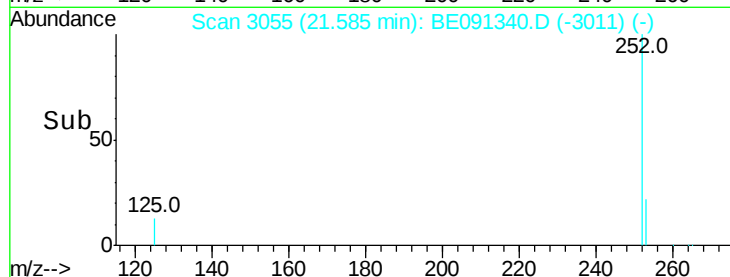
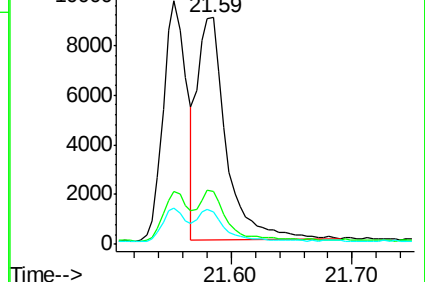
125 14.2 12.9 19.3



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: 0.61 ng/ul

RT: 22.01 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BE091340.D

Acq: 15 Dec 2015 2:20

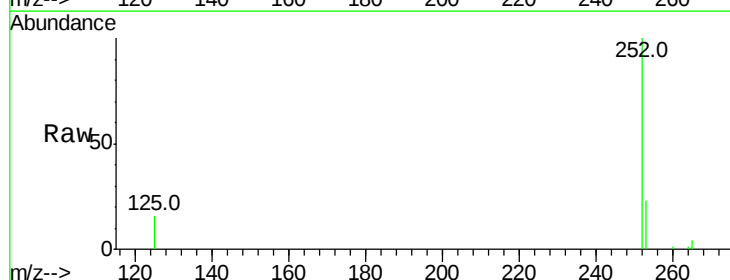
Tgt Ion:252 Resp: 12777

Ion Ratio Lower Upper

252 100

253 23.5 19.3 28.9

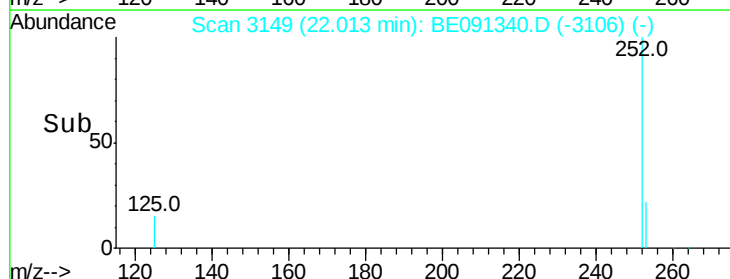
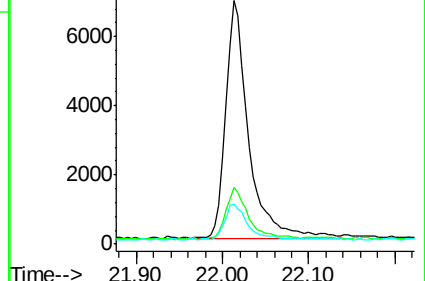
125 16.2 14.2 21.2

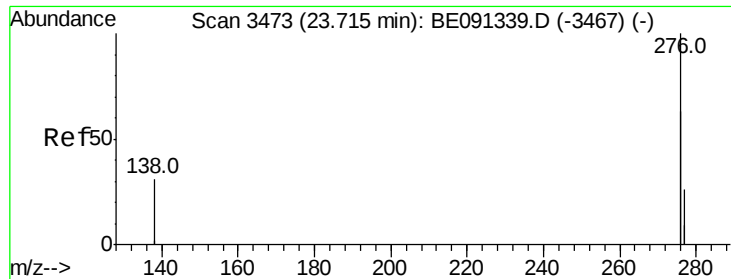


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

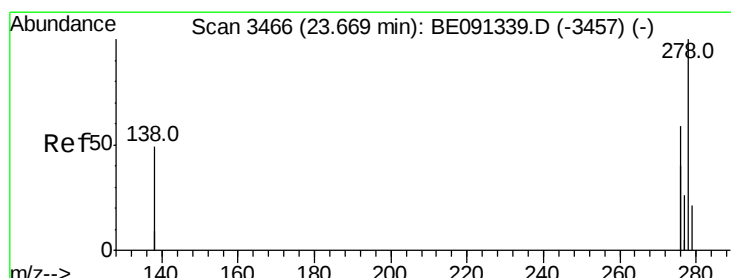
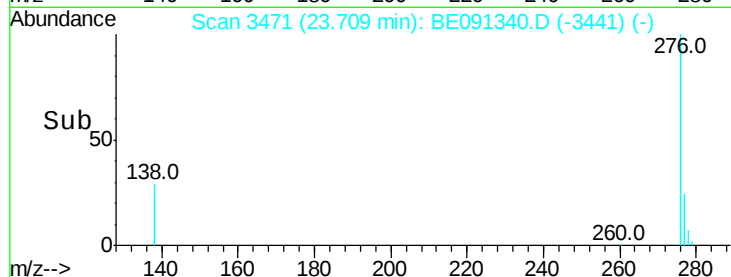
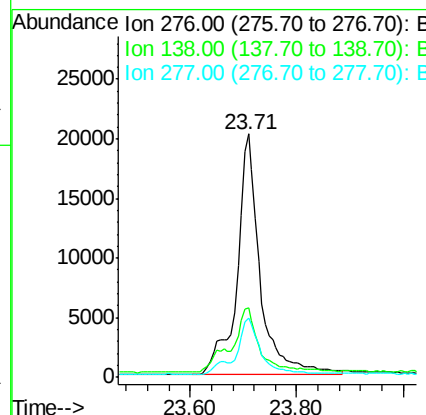
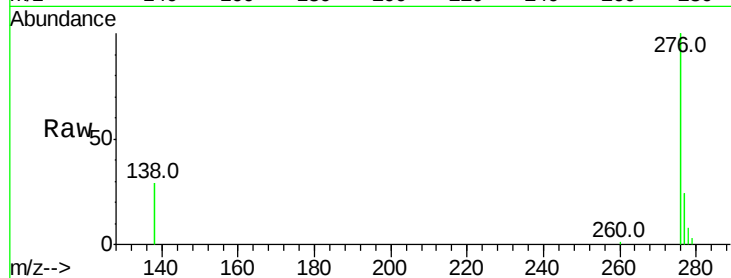




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.76 ng/ul
 RT: 23.71 min Scan# 3471
 Delta R.T. -0.01 min
 Lab File: BE091340.D
 Acq: 15 Dec 2015 2:20

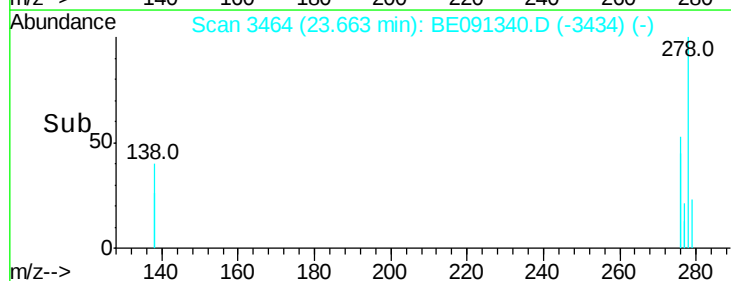
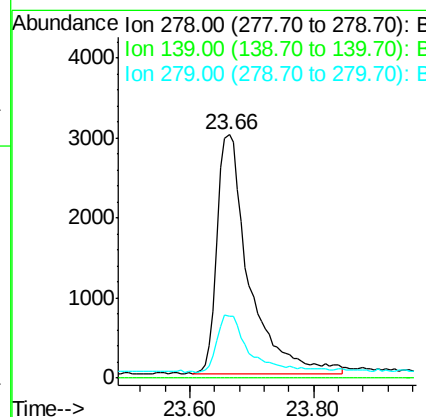
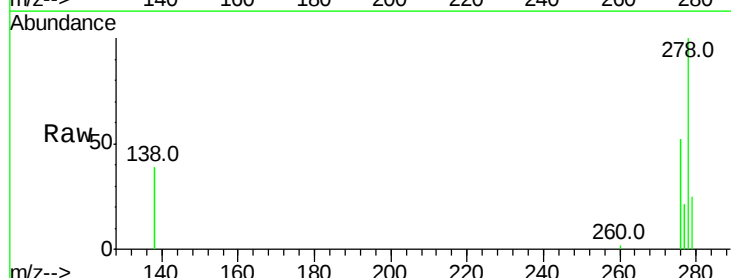
Instrument :
 BNA_E
 ClientSampleId :

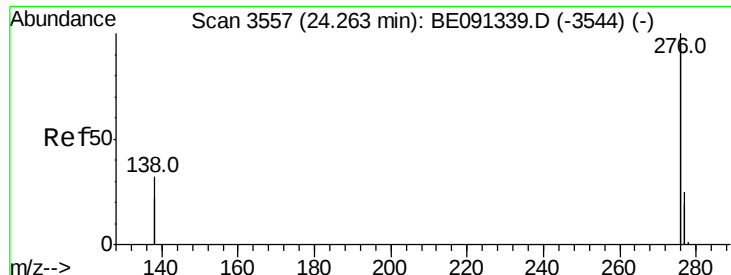
Tot Ion:276 Resp: 61615
 Ion Ratio Lower Upper
 276 100
 138 22.2 23.1 34.7#
 277 25.5 23.1 34.7



#27
 Dibenzo(a,h)anthracene
 Concen: 0.70 ng/ul
 RT: 23.66 min Scan# 3464
 Delta R.T. -0.01 min
 Lab File: BE091340.D
 Acq: 15 Dec 2015 2:20

Tgt Ion:278 Resp: 10720
 Ion Ratio Lower Upper
 278 100
 139 0.0 0.0 0.0
 279 25.3 21.4 32.2





#28

Benzo(a,h,i)perylene

Concen: 0.67 ng/ul

RT: 24.26 min Scan# 3555

Delta R.T. -0.01 min

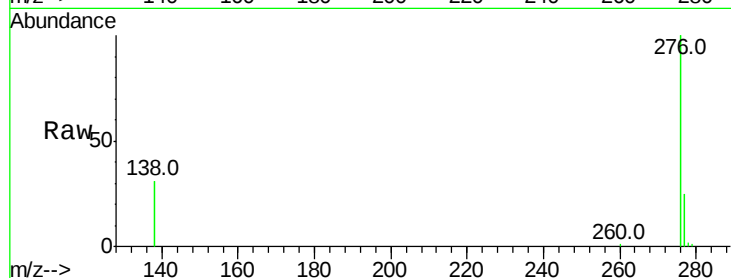
Lab File: BE091340.D

Acq: 15 Dec 2015 2:20

Instrument :

BNA_E

ClientSampleId :



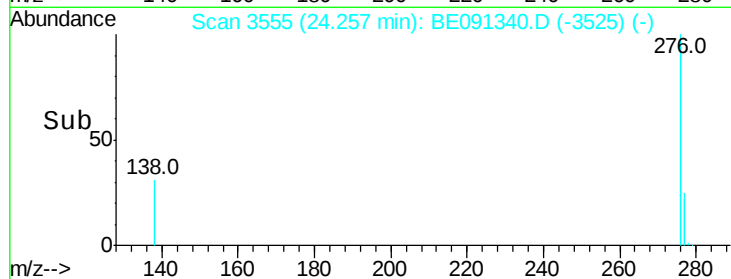
Tot Ion:276 Resp: 56329

Ion Ratio Lower Upper

276 100

277 24.7 20.3 30.5

138 30.8 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

