

Data Path : U:\HPCHEM1\BNA E\DATA\BE121515\
 Data File : BE091338.D
 Acq On : 15 Dec 2015 1:05
 Operator : UM/SJ
 Sample : SST00.272
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 15 04:36:47 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

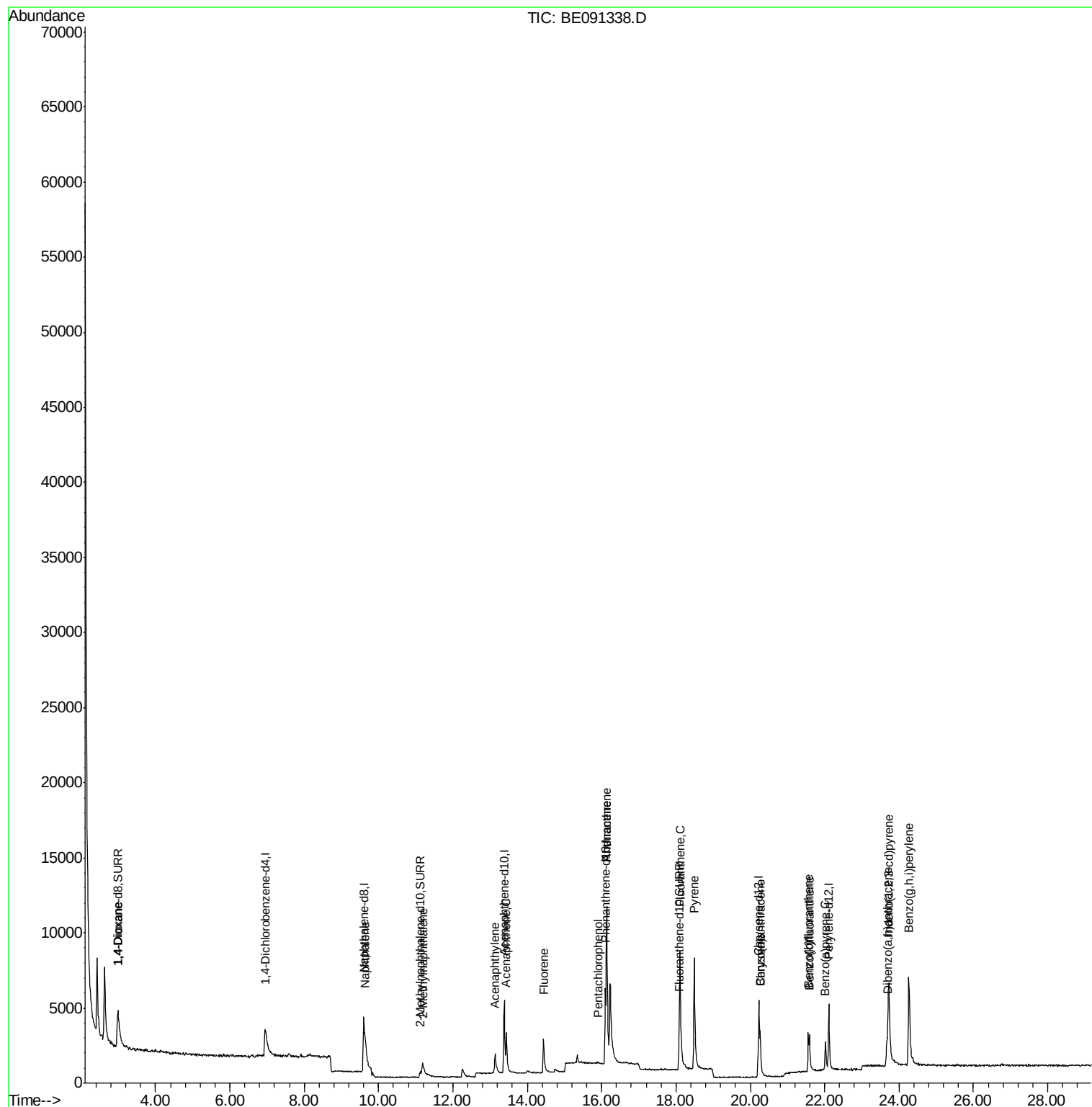
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	3031	0.40	ng/ul	0.00
4) Naphthalene-d8	9.60	136	9831	0.40	ng/ul	0.02
8) Acenaphthene-d10	13.38	164	2803	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.10	188	9165	0.40	ng/ul	0.00
18) Chrysene-d12	20.24	240	5913	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	6326	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.97	96	2139	0.86	ng/uL	0.02
6) 2-Methylnaphthalene-d10	11.13	152	1281	0.17	ng/ul	0.04
16) Fluoranthene-d10	18.08	212	3010	0.15	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	2.99	88	2762	0.97	ng/ul	92
5) Naphthalene	9.64	128	5032	0.23	ng/ul#	89
7) 2-Methylnaphthalene	11.18	142	1491	0.17	ng/ul	94
9) Acenaphthylene	13.13	152	2549	0.17	ng/ul	97
10) Acenaphthene	13.43	153	2002	0.17	ng/ul	94
11) Fluorene	14.44	166	2219	0.14	ng/ul	97
13) Pentachlorophenol	15.91	266	120	0.22	ng/ul#	63
14) Phenanthrene	16.14	178	16169	0.17	ng/ul	95
15) Anthracene	16.14	178	15922	0.20	ng/ul	95
17) Fluoranthene	18.11	202	14667	0.14	ng/ul	90
19) Pyrene	18.49	202	13134	0.19	ng/ul	94
20) Benzo(a)anthracene	20.27	228	3159	0.25	ng/ul	98
21) Chrysene	20.27	228	3279	0.17	ng/ul	98
23) Benzo(b)fluoranthene	21.56	252	3165	0.16	ng/ul	91
24) Benzo(k)fluoranthene	21.59	252	3283	0.14	ng/ul	95
25) Benzo(a)pyrene	22.02	252	3270	0.16	ng/ul#	87
26) Indeno(1,2,3-cd)pyrene	23.72	276	13669	0.17	ng/ul#	90
27) Dibenzo(a,h)anthracene	23.68	278	2296	0.16	ng/ul#	77
28) Benzo(g,h,i)perylene	24.26	276	13790	0.17	ng/ul	97

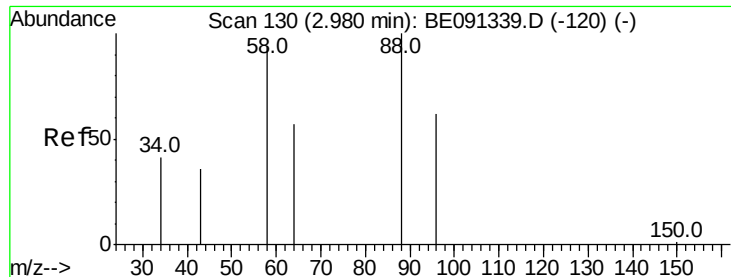
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

1,4-Dioxane

Concen: 0.97 ng/ul

RT: 2.99 min Scan# 132

Delta R.T. 0.01 min

Lab File: BE091338.D

Acq: 15 Dec 2015 1:05

Instrument :

BNA_E

ClientSampled :

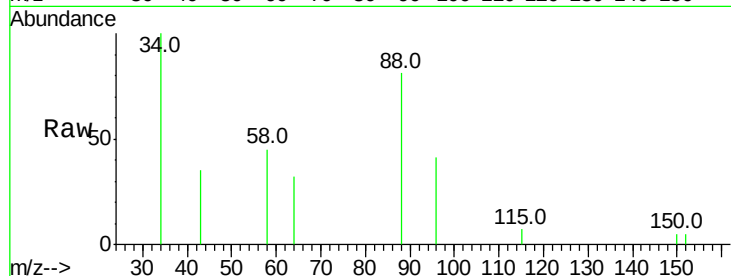
Tot Ion: 88 Resp: 2762

Ion Ratio Lower Upper

88 100

58 85.0 76.0 114.0

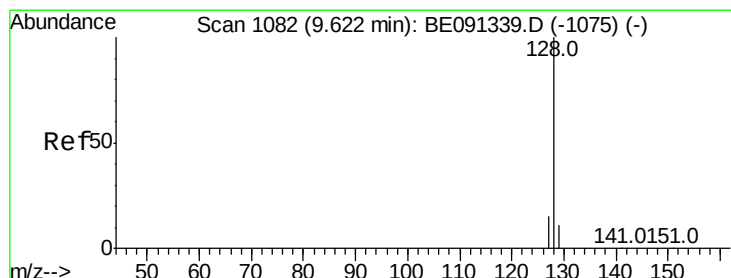
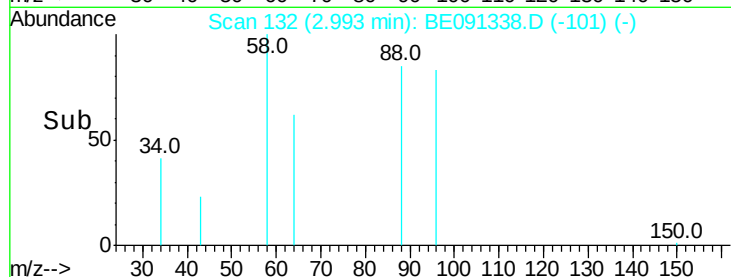
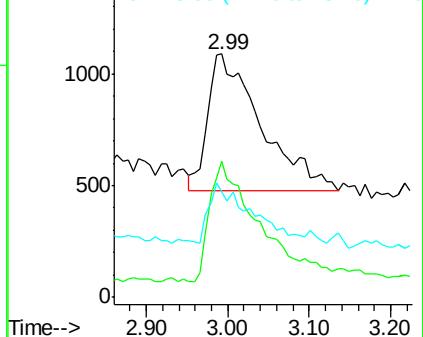
43 41.6 34.3 51.5



Abundance Ion 88.00 (87.70 to 88.70): BE091338.D (-101) (-)

Ion 58.00 (57.70 to 58.70): BE091338.D (-101) (-)

Ion 43.00 (42.70 to 43.70): BE091338.D (-101) (-)



#5

Naphthalene

Concen: 0.23 ng/ul

RT: 9.64 min Scan# 1084

Delta R.T. 0.02 min

Lab File: BE091338.D

Acq: 15 Dec 2015 1:05

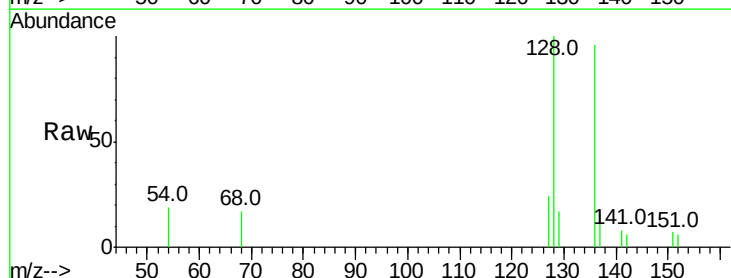
Tgt Ion: 128 Resp: 5032

Ion Ratio Lower Upper

128 100

129 16.7 11.0 16.4#

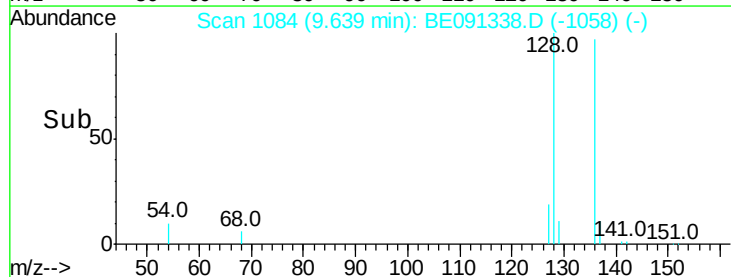
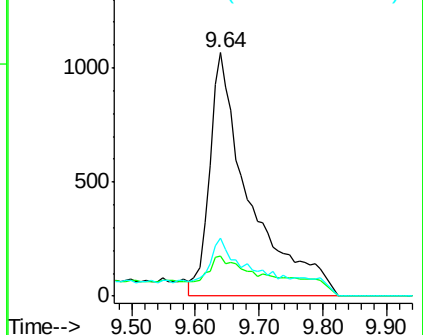
127 23.6 14.3 21.5#

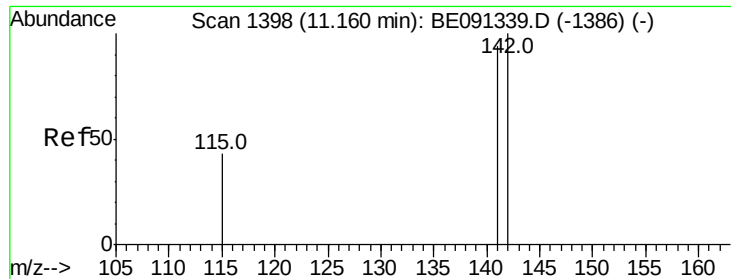


Abundance Ion 128.00 (127.70 to 128.70): BE091338.D (-1058) (-)

Ion 129.00 (128.70 to 129.70): BE091338.D (-1058) (-)

Ion 127.00 (126.70 to 127.70): BE091338.D (-1058) (-)





#7

2-Methylnaphthalene

Concen: 0.17 ng/ul

RT: 11.18 min Scan# 1402

Delta R.T. 0.02 min

Lab File: BE091338.D

Acq: 15 Dec 2015 1:05

Instrument :

BNA_E

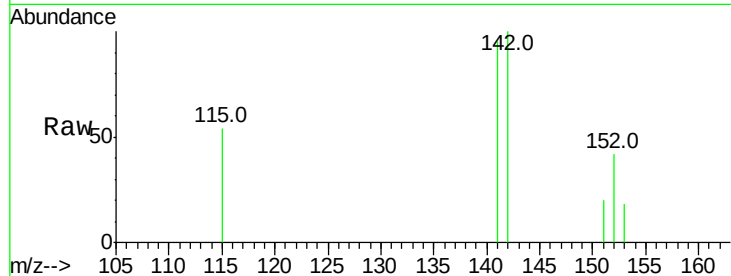
ClientSampled :

Tot Ion:142 Resp: 1491

Ion Ratio Lower Upper

142 100

141 118.0 89.4 134.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

500

400

300

200

100

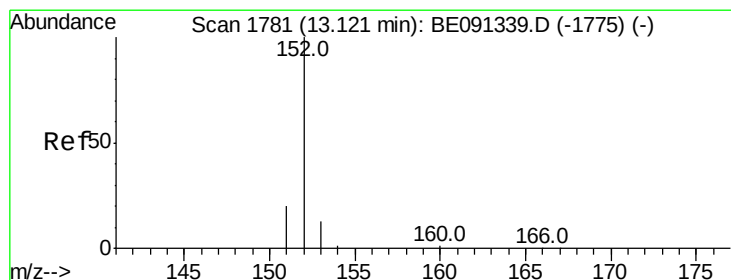
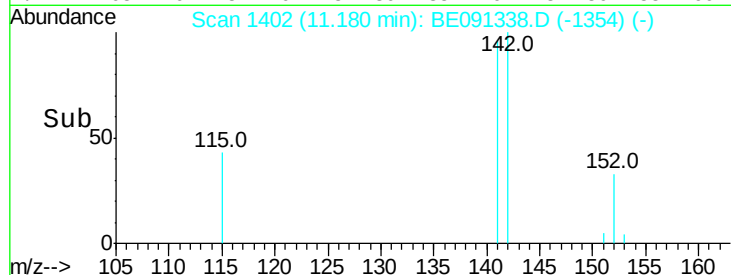
0

11.18

11.20

11.30

Time-->



#9

Acenaphthylene

Concen: 0.17 ng/ul

RT: 13.13 min Scan# 1782

Delta R.T. 0.01 min

Lab File: BE091338.D

Acq: 15 Dec 2015 1:05

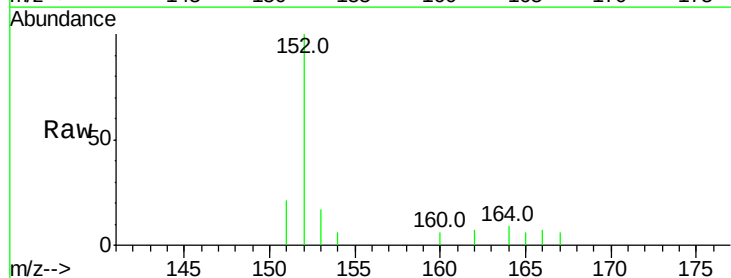
Tgt Ion:152 Resp: 2549

Ion Ratio Lower Upper

152 100

151 21.1 17.8 26.8

153 16.6 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

1500

1000

500

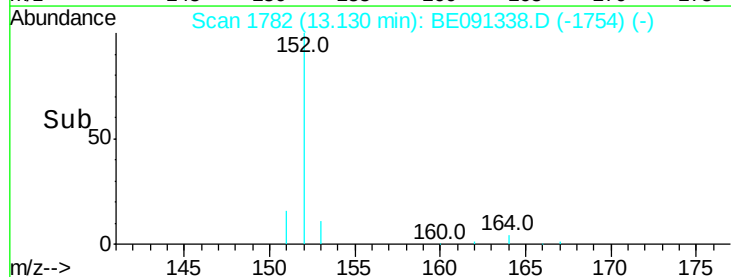
0

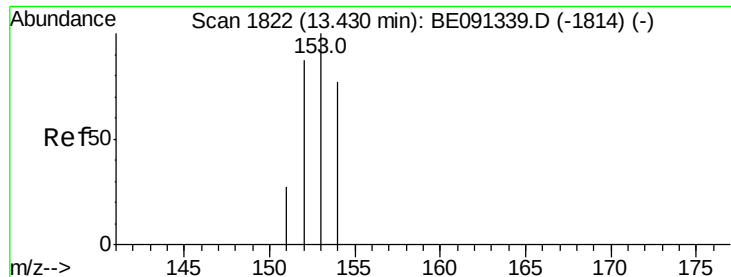
13.13

13.20

13.30

Time-->





#10

Acenaphthene

Concen: 0.17 ng/ul

RT: 13.43 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BE091338.D

Acq: 15 Dec 2015 1:05

Instrument :

BNA_E

ClientSampleId :

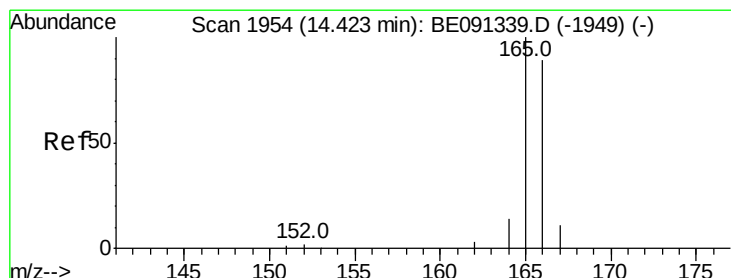
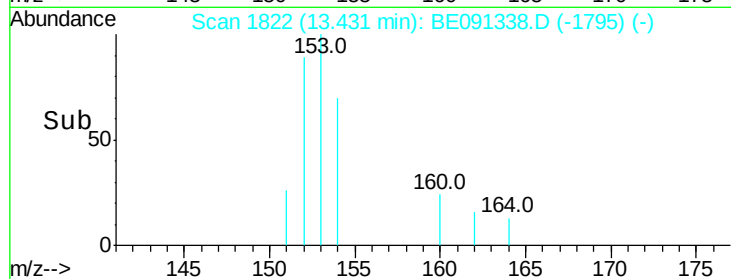
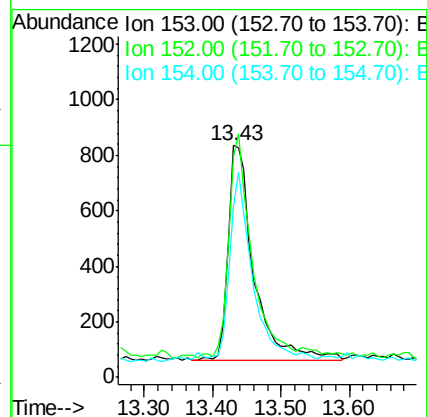
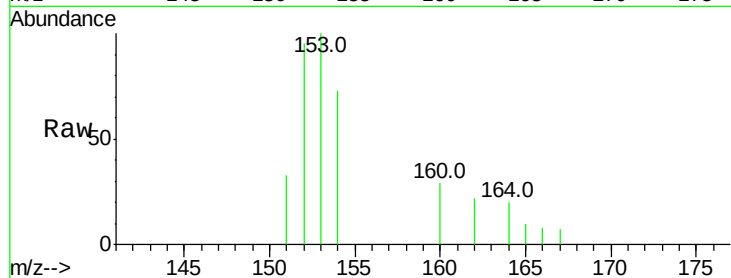
Tot Ion:153 Resp: 2002

Ion Ratio Lower Upper

153 100

152 95.0 70.5 105.7

154 73.4 62.3 93.5



#11

Fluorene

Concen: 0.14 ng/ul

RT: 14.44 min Scan# 1956

Delta R.T. 0.02 min

Lab File: BE091338.D

Acq: 15 Dec 2015 1:05

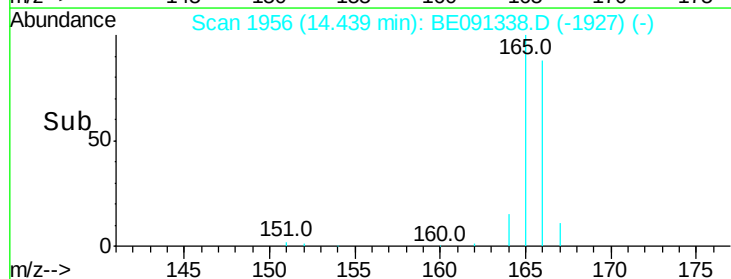
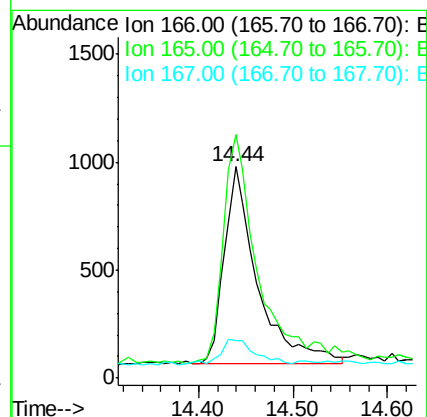
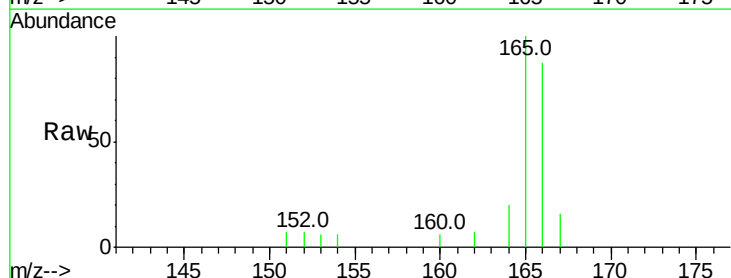
Tgt Ion:166 Resp: 2219

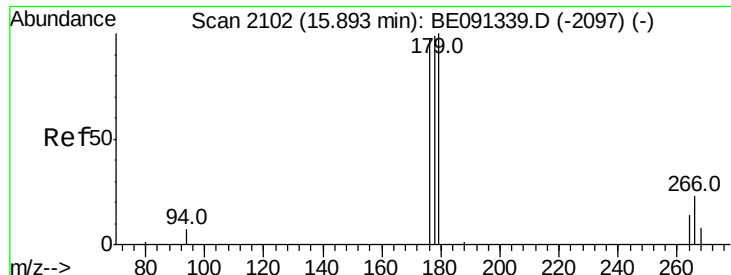
Ion Ratio Lower Upper

166 100

165 115.1 90.2 135.4

167 18.0 12.2 18.2

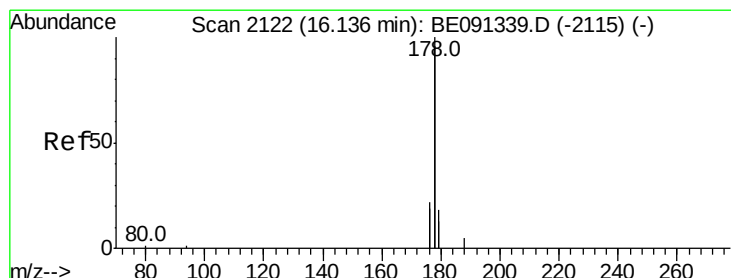
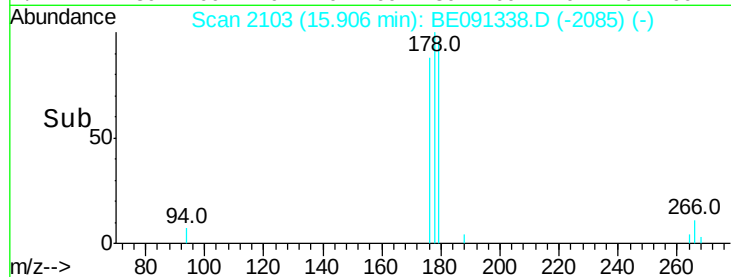
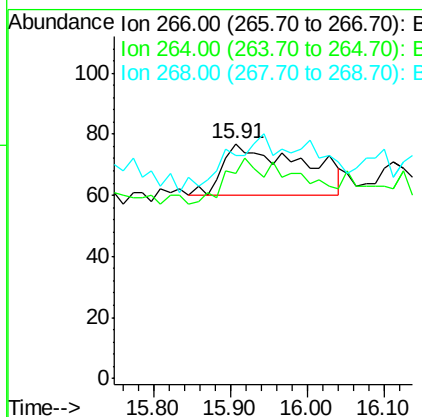
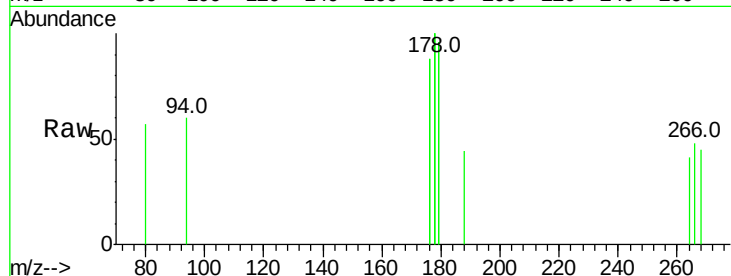




#13
 Pentachlorophenol
 Concen: 0.22 ng/ul
 RT: 15.91 min Scan# 2103
 Delta R.T. 0.01 min
 Lab File: BE091338.D
 Acq: 15 Dec 2015 1:05

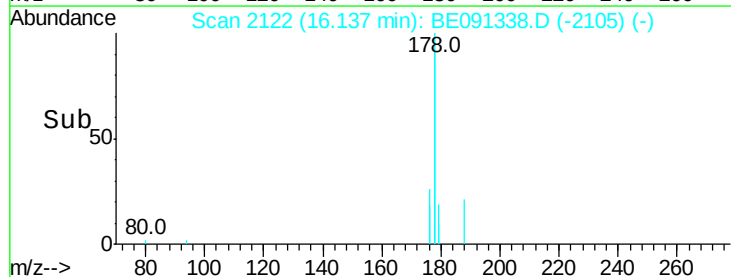
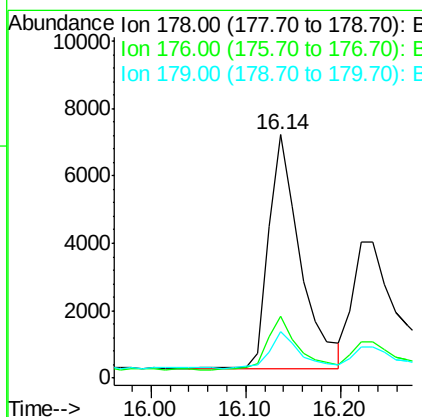
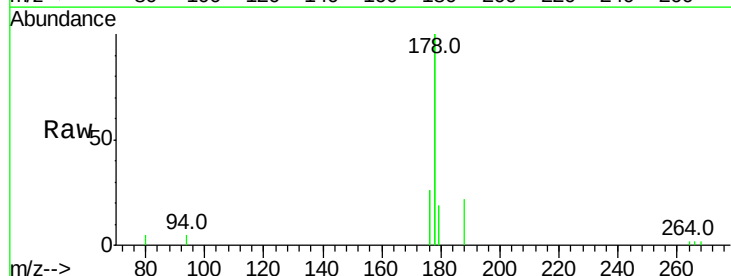
Instrument :
 BNA_E
 ClientSampleId :

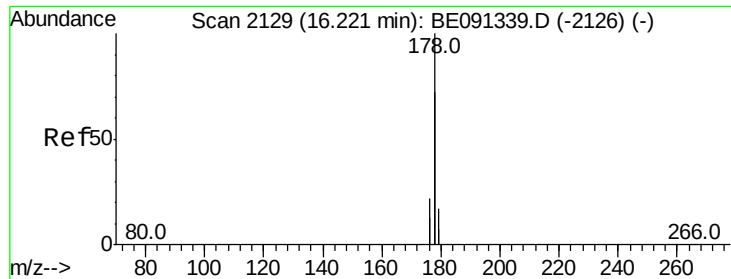
Tot Ion:266 Resp: 120
 Ion Ratio Lower Upper
 266 100
 264 80.8 54.7 82.1
 268 0.0 36.2 54.2#



#14
 Phenanthrene
 Concen: 0.17 ng/ul
 RT: 16.14 min Scan# 2122
 Delta R.T. 0.00 min
 Lab File: BE091338.D
 Acq: 15 Dec 2015 1:05

Tgt Ion:178 Resp: 16169
 Ion Ratio Lower Upper
 178 100
 176 25.5 17.8 26.8
 179 18.9 14.0 21.0

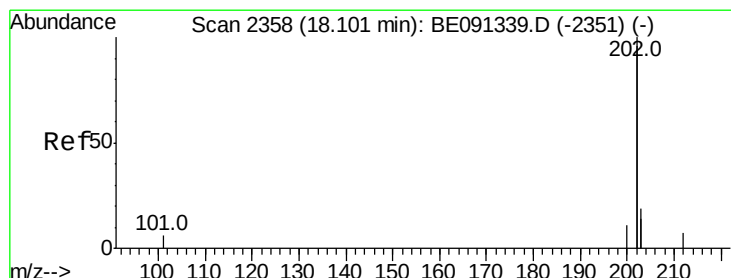
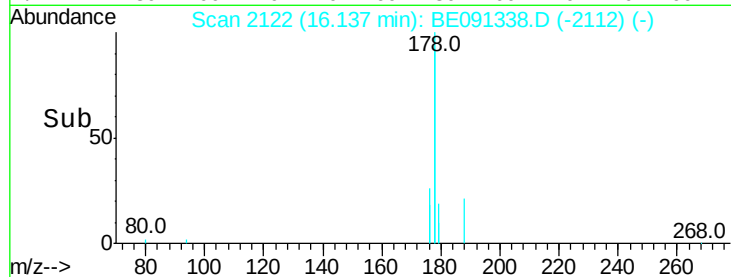
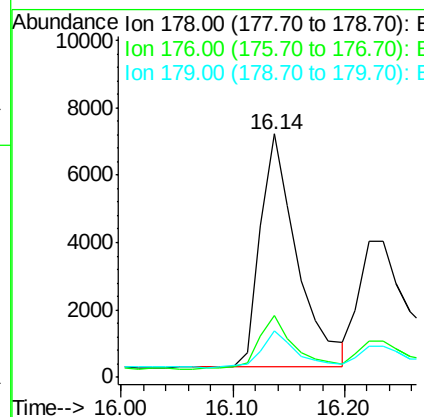
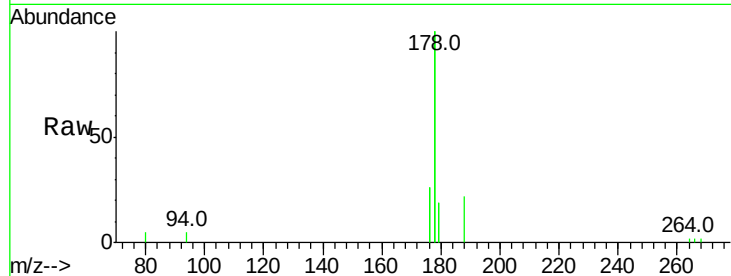




#15
 Anthracene
 Concen: 0.20 ng/ul
 RT: 16.14 min Scan# 2122
 Delta R.T. -0.08 min
 Lab File: BE091338.D
 Acq: 15 Dec 2015 1:05

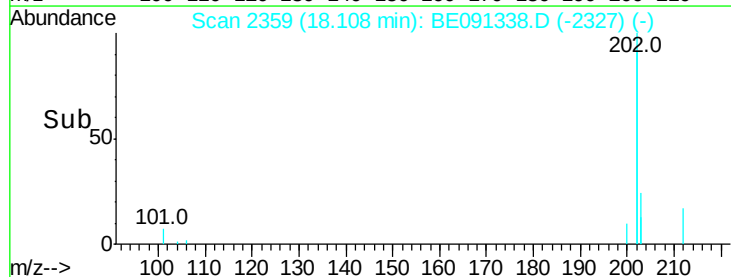
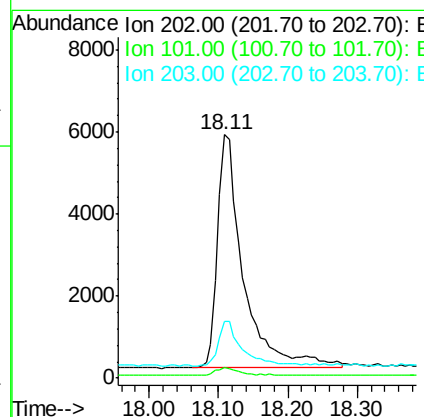
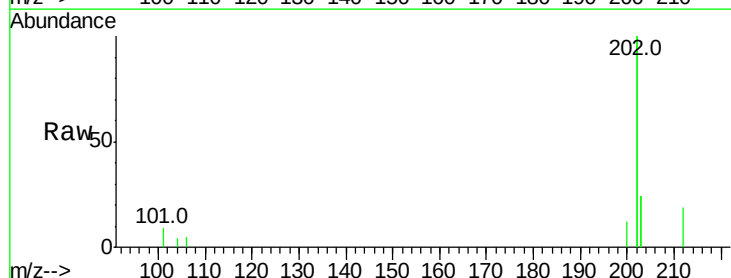
Instrument :
 BNA_E
 ClientSampleId :

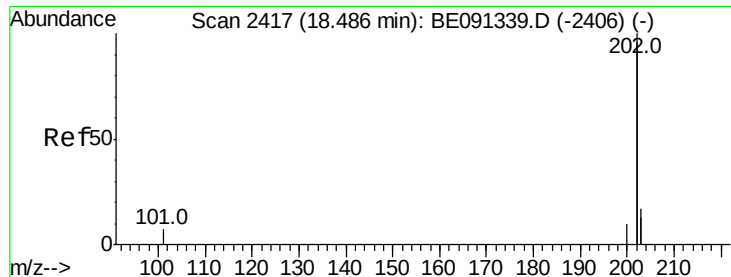
Tot Ion:178 Resp: 15922
 Ion Ratio Lower Upper
 178 100
 176 25.5 17.9 26.9
 179 18.9 13.8 20.6



#17
 Fluoranthene
 Concen: 0.14 ng/ul
 RT: 18.11 min Scan# 2359
 Delta R.T. 0.01 min
 Lab File: BE091338.D
 Acq: 15 Dec 2015 1:05

Tgt Ion:202 Resp: 14667
 Ion Ratio Lower Upper
 202 100
 101 4.5 0.0 23.6
 203 23.6 0.0 38.7





#19

Pvrene

Concen: 0.19 ng/ul

RT: 18.49 min Scan# 2418

Delta R.T. 0.01 min

Lab File: BE091338.D

Acq: 15 Dec 2015 1:05

Instrument :

BNA_E

ClientSampleId :

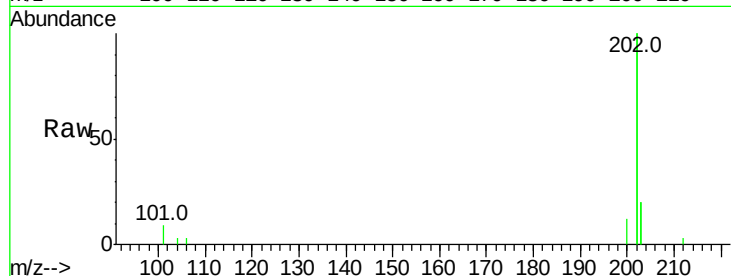
Tot Ion:202 Resp: 13134

Ion Ratio Lower Upper

202 100

200 6.2 4.4 6.6

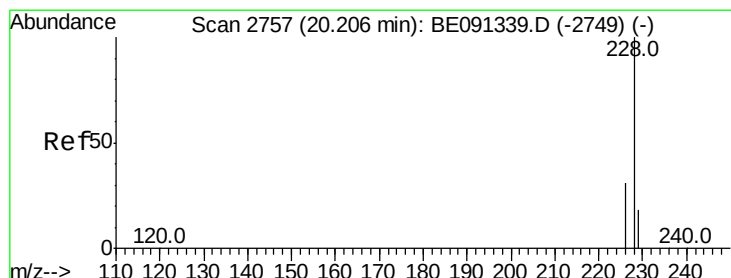
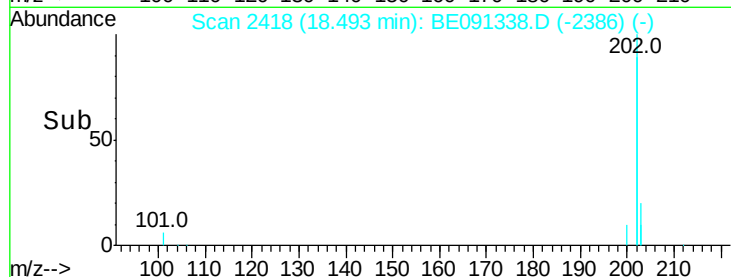
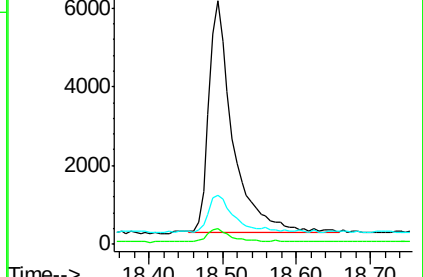
203 20.2 13.8 20.8



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: 0.25 ng/ul

RT: 20.27 min Scan# 2770

Delta R.T. 0.06 min

Lab File: BE091338.D

Acq: 15 Dec 2015 1:05

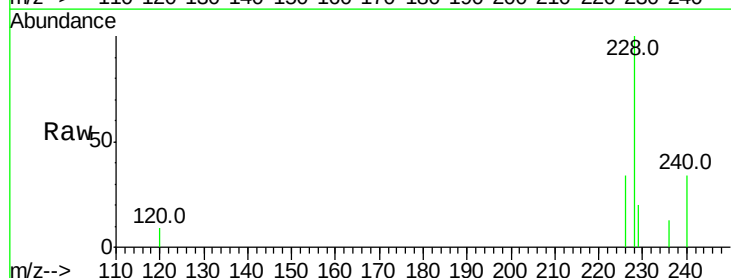
Tgt Ion:228 Resp: 3159

Ion Ratio Lower Upper

228 100

226 34.3 25.8 38.8

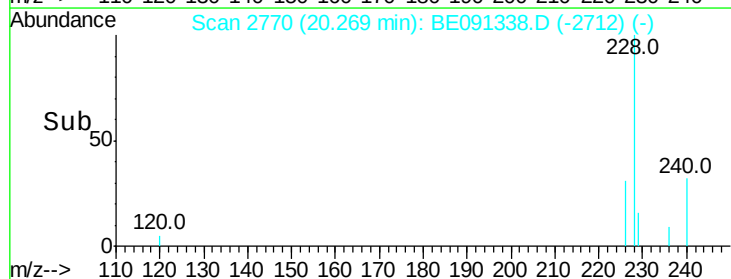
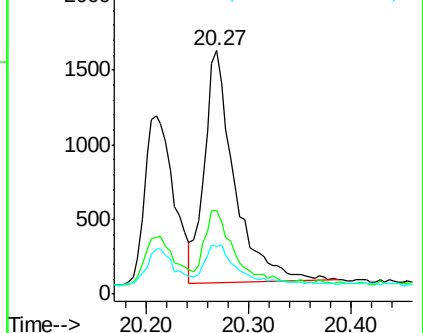
229 19.5 15.6 23.4

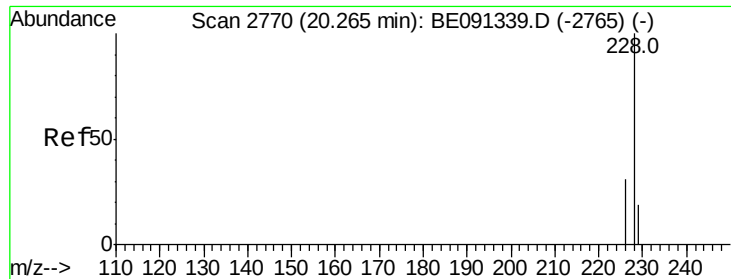


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.17 ng/ul

RT: 20.27 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BE091338.D

Acq: 15 Dec 2015 1:05

Instrument :

BNA_E

ClientSampleId :

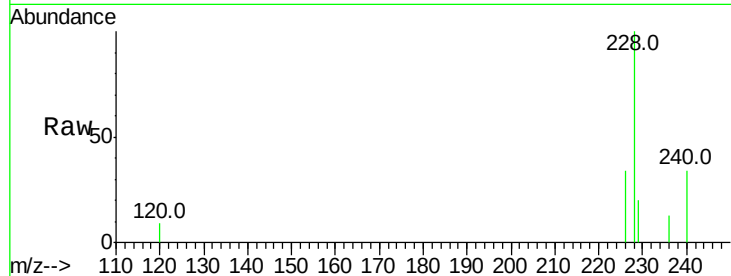
Tot Ion:228 Resp: 3279

Ion Ratio Lower Upper

228 100

226 34.3 26.2 39.4

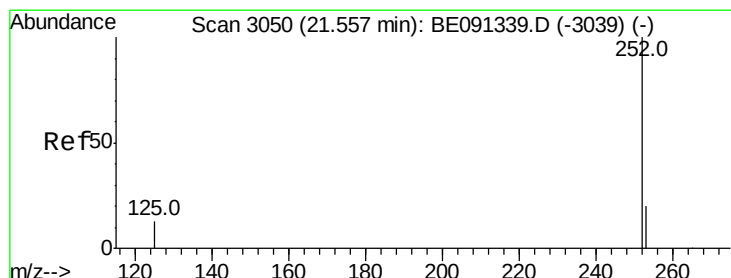
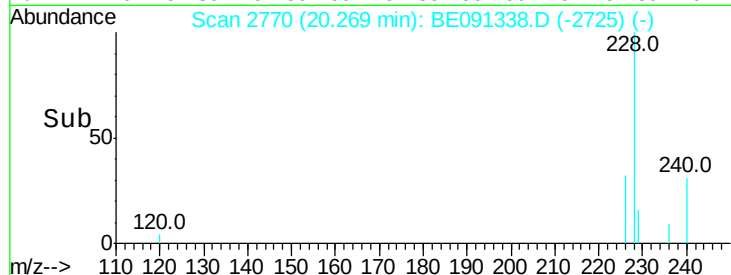
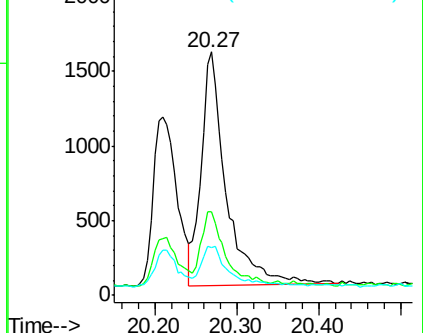
229 19.5 16.2 24.4



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: 0.16 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. 0.00 min

Lab File: BE091338.D

Acq: 15 Dec 2015 1:05

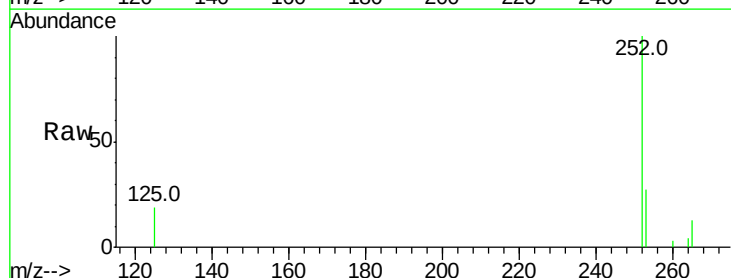
Tgt Ion:252 Resp: 3165

Ion Ratio Lower Upper

252 100

253 27.4 0.0 44.6

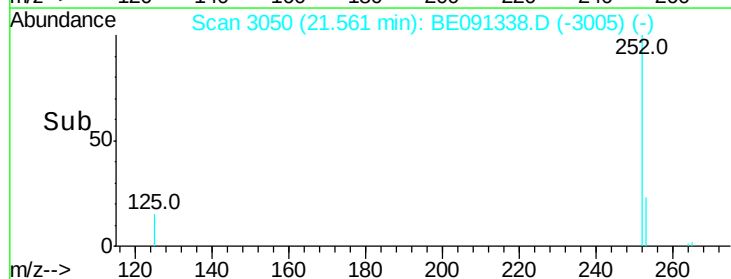
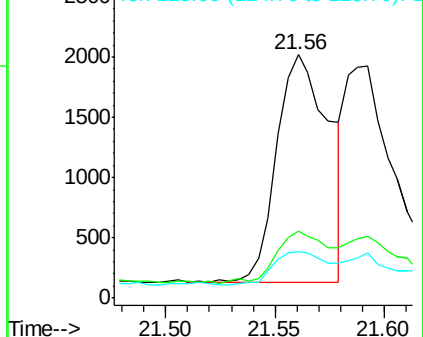
125 18.9 0.0 31.4

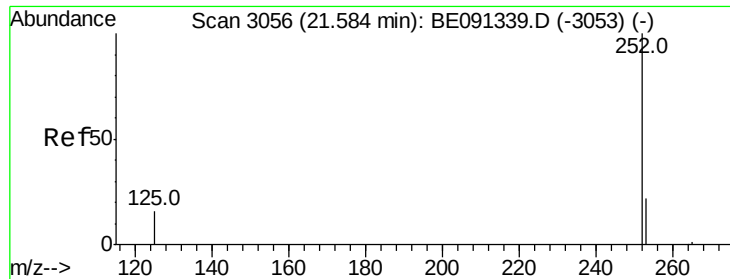


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.14 ng/ul

RT: 21.59 min Scan# 3057

Delta R.T. 0.01 min

Lab File: BE091338.D

Acq: 15 Dec 2015 1:05

Instrument :

BNA_E

ClientSampleId :

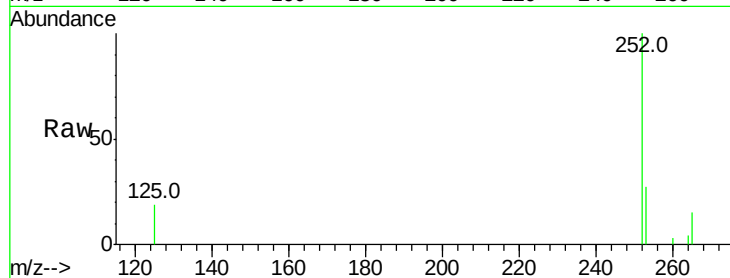
Tot Ion:252 Resp: 3283

Ion Ratio Lower Upper

252 100

253 26.9 20.1 30.1

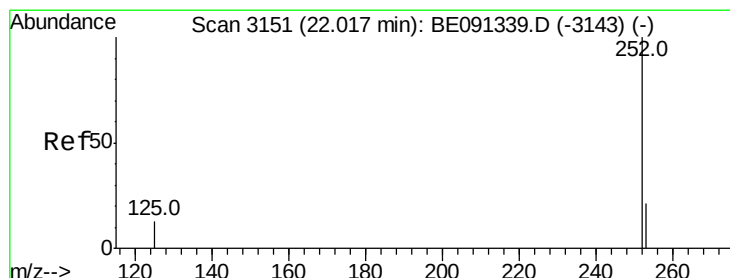
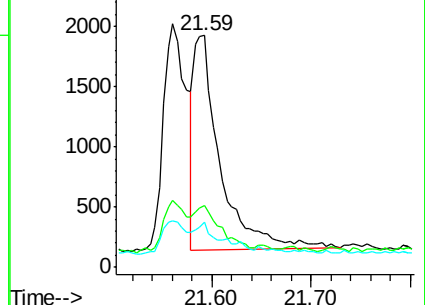
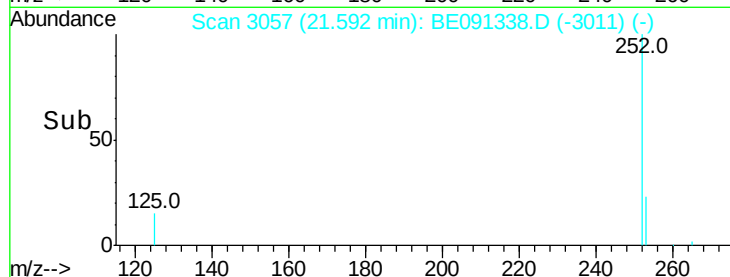
125 19.2 12.9 19.3



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: 0.16 ng/ul

RT: 22.02 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BE091338.D

Acq: 15 Dec 2015 1:05

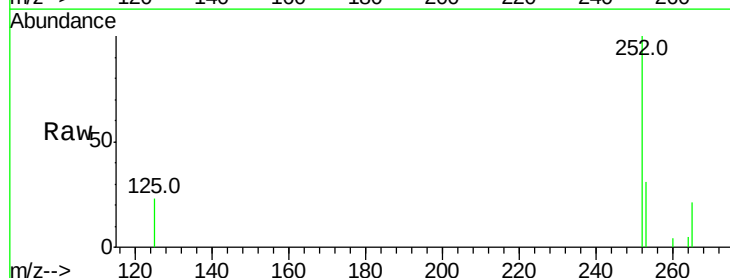
Tgt Ion:252 Resp: 3270

Ion Ratio Lower Upper

252 100

253 30.8 19.3 28.9#

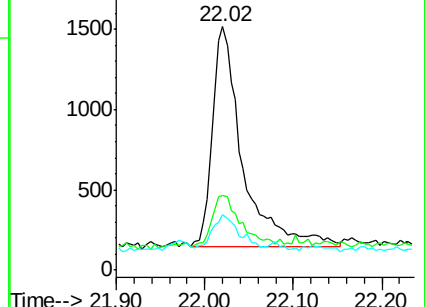
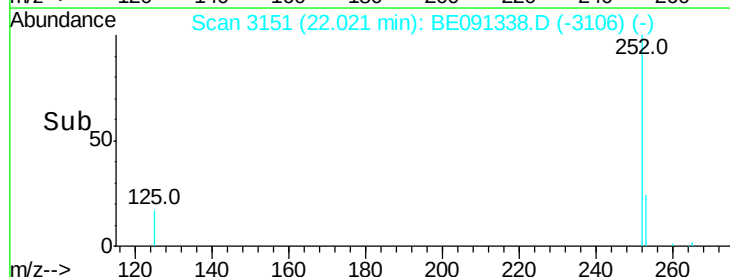
125 22.8 14.2 21.2#

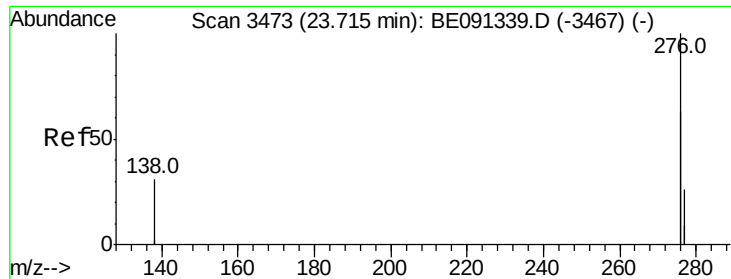


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

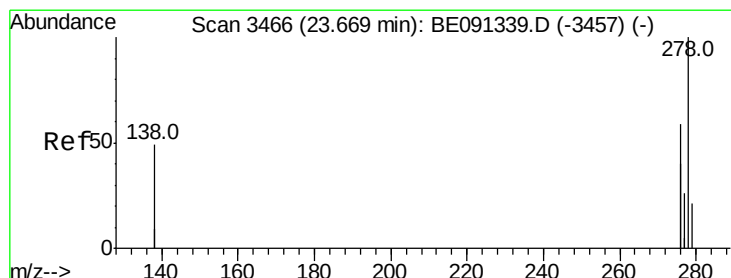
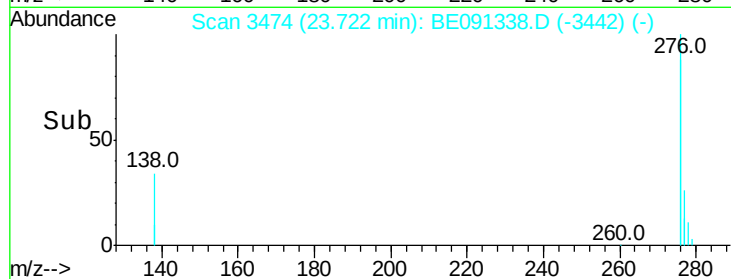
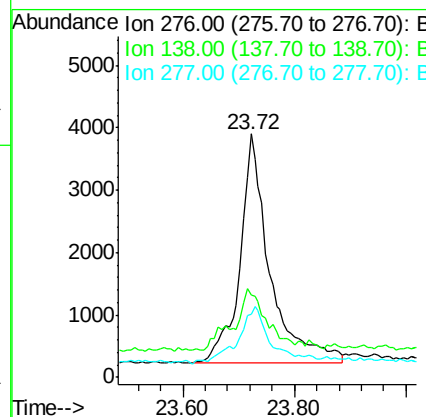
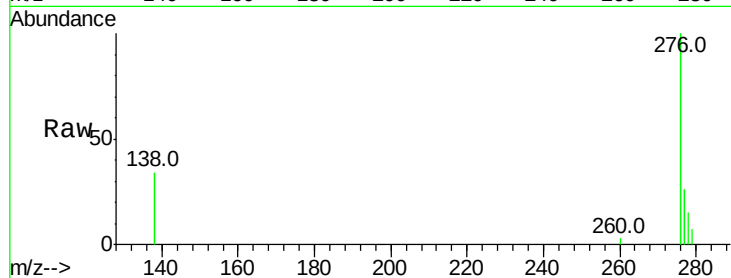




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.17 ng/ul
 RT: 23.72 min Scan# 3474
 Delta R.T. 0.01 min
 Lab File: BE091338.D
 Acq: 15 Dec 2015 1:05

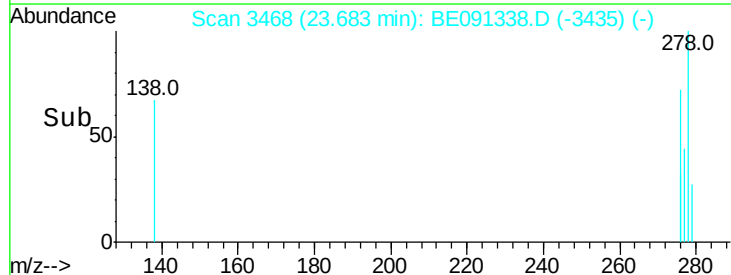
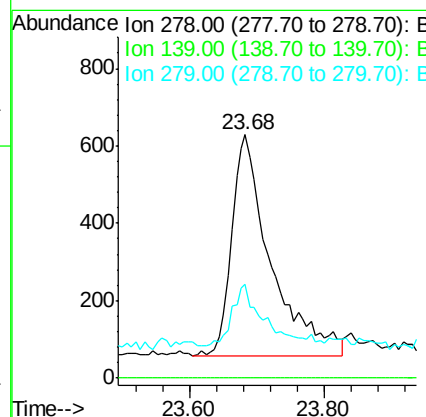
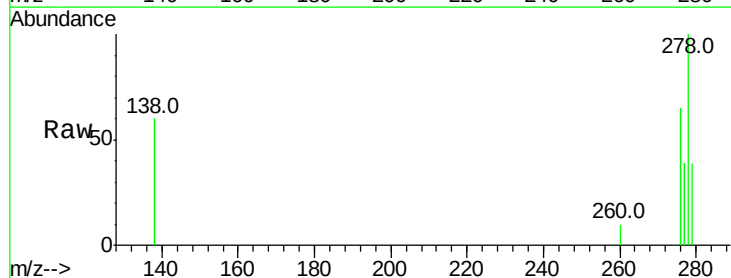
Instrument :
 BNA_E
 ClientSampleId :

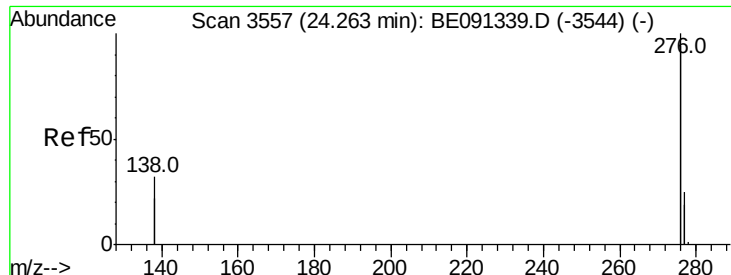
Tot Ion:276 Resp: 13669
 Ion Ratio Lower Upper
 276 100
 138 21.9 23.1 34.7#
 277 25.4 23.1 34.7



#27
 Dibenzo(a,h)anthracene
 Concen: 0.16 ng/ul
 RT: 23.68 min Scan# 3468
 Delta R.T. 0.01 min
 Lab File: BE091338.D
 Acq: 15 Dec 2015 1:05

Tgt Ion:278 Resp: 2296
 Ion Ratio Lower Upper
 278 100
 139 0.0 0.0 0.0
 279 38.6 21.4 32.2#





#28

Benzo(a,h,i)perylene

Concen: 0.17 ng/ul

RT: 24.26 min Scan# 3557

Delta R.T. 0.00 min

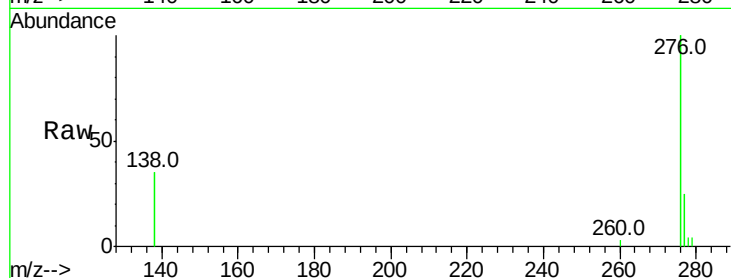
Lab File: BE091338.D

Acq: 15 Dec 2015 1:05

Instrument :

BNA_E

ClientSampleId :



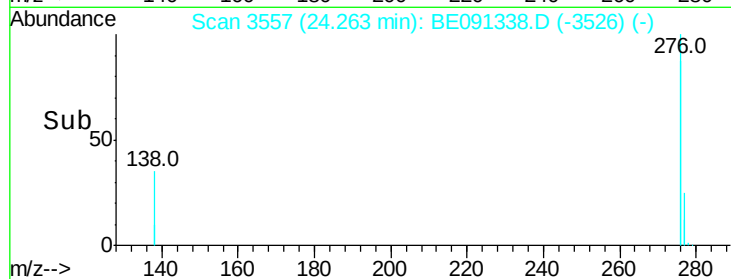
Tot Ion:276 Resp: 13790

Ion Ratio Lower Upper

276 100

277 25.3 20.3 30.5

138 34.9 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

