

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051016\
 Data File : BE091764.D
 Acq On : 10 May 2016 19:53
 Operator : UM/SJ
 Sample : H2912-02MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CEDAR-HILL-TF-PS-003MS

Quant Time: May 11 01:33:04 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 26 16:09:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	43325	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	213357	5.00	ng	0.00
13) Acenaphthene-d10	14.41	164	129304	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	302676	5.00	ng	0.00
26) Chrysene-d12	21.31	240	290654	5.00	ng	0.00
35) Perylene-d12	23.74	264	294473	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	72858	6.85	ng	0.00
5) Phenol-d6	6.95	99	116007	8.22	ng	0.00
8) Nitrobenzene-d5	8.95	82	55736	4.05	ng	0.00
14) 2,4,6-Tribromophenol	15.89	330	39130	8.13	ng	-0.01
15) 2-Fluorobiphenyl	13.04	172	153385	4.19	ng	0.00
29) Terphenyl-d14	19.76	244	213380	4.71	ng	0.00

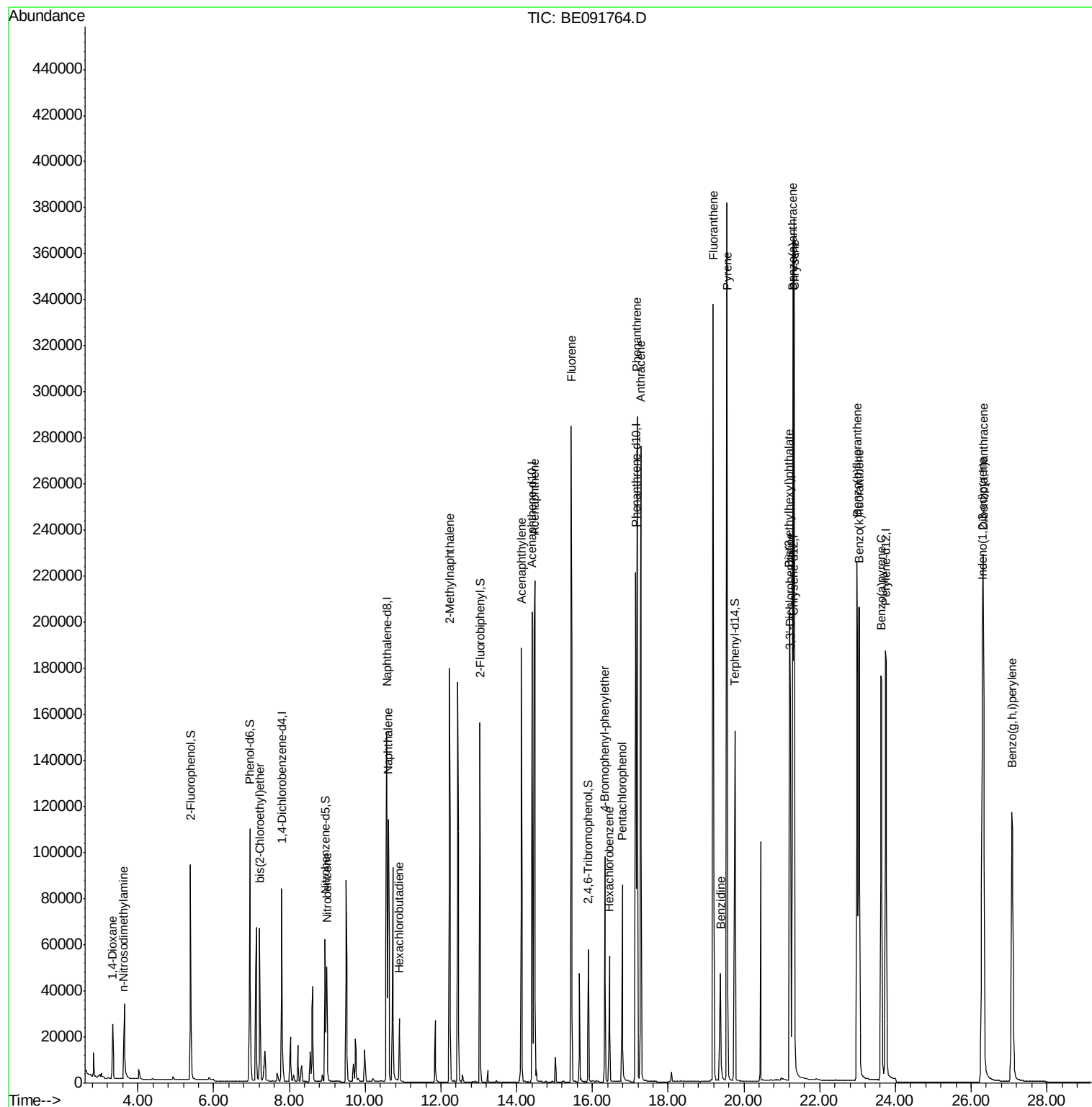
Target Compounds						Qvalue
2) 1,4-Dioxane	3.33	88	15356	3.01	ng	93
3) n-Nitrosodimethylamine	3.63	42	28472	3.62	ng	# 93
6) bis(2-Chloroethyl)ether	7.21	93	49283	3.97	ng	# 78
9) Nitrobenzene	8.99	77	60892	4.23	ng	92
10) Naphthalene	10.61	128	176034	4.08	ng	98
11) Hexachlorobutadiene	10.90	225	27427	4.31	ng	97
12) 2-Methylnaphthalene	12.23	142	129714	4.68	ng	97
16) Acenaphthylene	14.12	152	235108	4.73	ng	# 86
17) Acenaphthene	14.47	154	142072	4.40	ng	94
18) Fluorene	15.45	166	178953	4.46	ng	98
20) 4-Bromophenyl-phenylether	16.32	248	51787	4.76	ng	92
21) Hexachlorobenzene	16.45	284	51281	4.71	ng	99
22) Pentachlorophenol	16.79	266	56088	9.51	ng	88
23) Phenanthrene	17.18	178	306680	4.46	ng	99
24) Anthracene	17.27	178	300642	4.85	ng	98
25) Fluoranthene	19.19	202	347907	4.84	ng	# 96
27) Benzidine	19.38	184	73850	3.27	ng	# 77
28) Pyrene	19.55	202	369112	5.62	ng	99
30) Benzo(a)anthracene	21.29	228	330550	4.66	ng	# 91
31) 3,3'-Dichlorobenzidine	21.22	252	145333	4.01	ng	# 88
32) Chrysene	21.33	228	364867m	4.94	ng	
33) Bis(2-ethylhexyl)phthalate	21.20	149	236721	11.01	ng	# 88
34) Indeno(1,2,3-cd)pyrene	26.29	276	342844	5.22	ng	95
36) Benzo(b)fluoranthene	22.99	252	316242	4.58	ng	# 96
37) Benzo(k)fluoranthene	23.03	252	327706	4.67	ng	96
38) Benzo(a)pyrene	23.62	252	306297	4.71	ng	# 95
39) Dibenzo(a,h)anthracene	26.32	278	286172	4.65	ng	# 95
40) Benzo(g,h,i)perylene	27.08	276	288805	4.62	ng	95

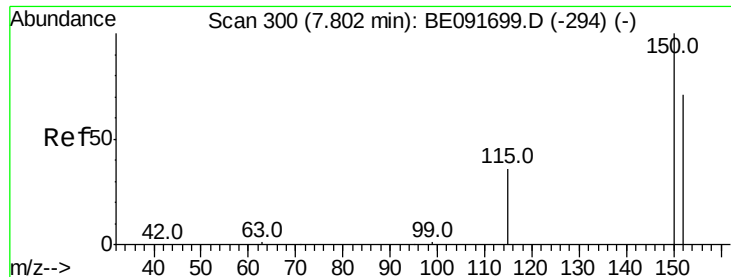
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051016\
Data File : BE091764.D
Acq On : 10 May 2016 19:53
Operator : UM/SJ
Sample : H2912-02MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MS

Quant Time: May 11 01:33:04 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 26 16:09:46 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MS

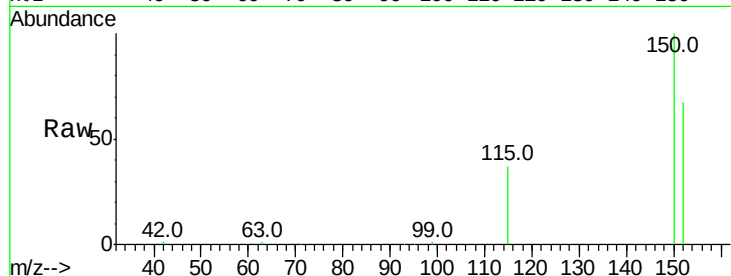
Tot Ion:152 Resp: 43325

Ion Ratio Lower Upper

152 100

150 149.6 122.6 183.8

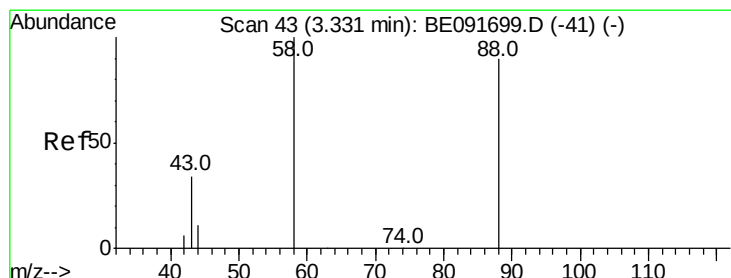
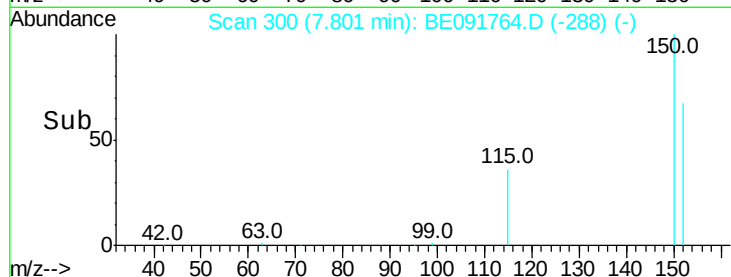
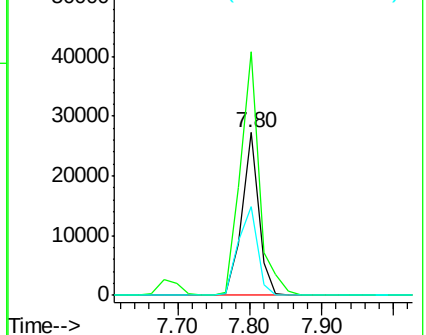
115 54.8 52.8 79.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 3.01 ng

RT: 3.33 min Scan# 43

Delta R.T. 0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

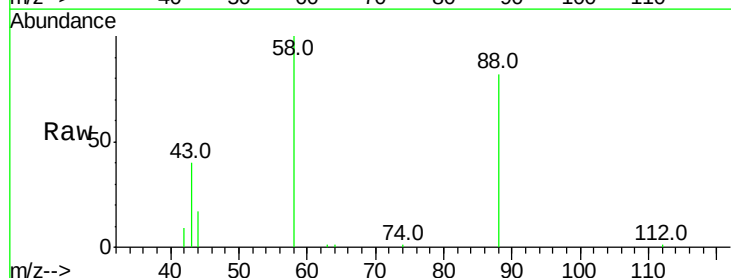
Tgt Ion: 88 Resp: 15356

Ion Ratio Lower Upper

88 100

58 88.1 65.8 98.6

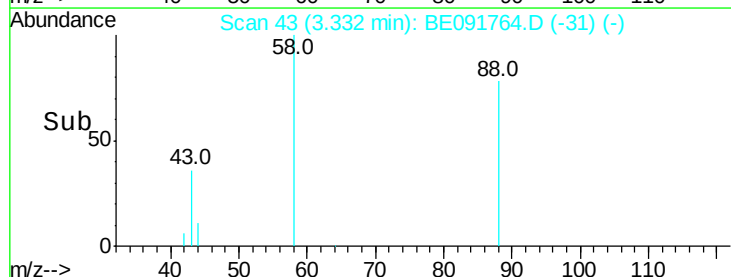
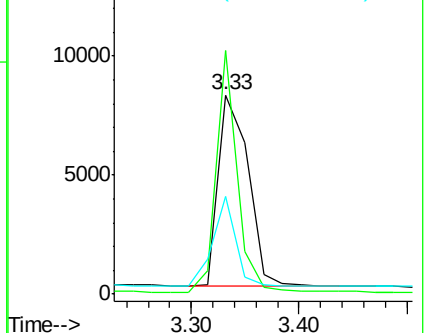
43 36.9 25.3 37.9

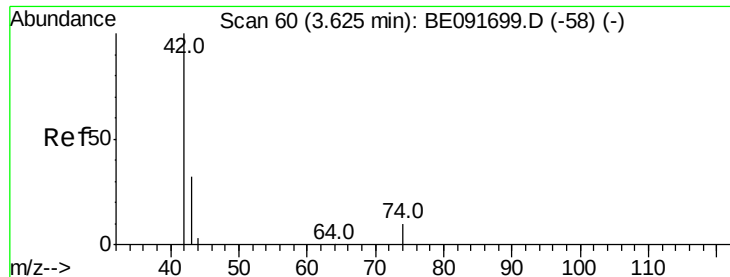


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.62 ng

RT: 3.63 min Scan# 60

Delta R.T. 0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MS

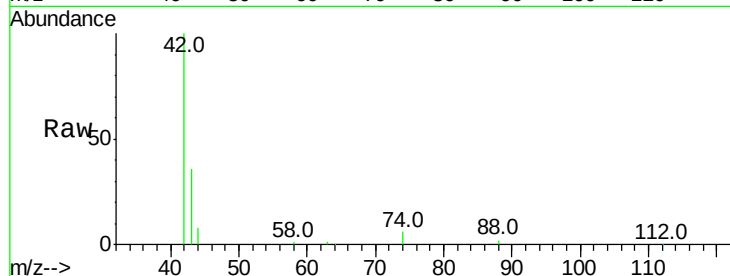
Tot Ion: 42 Resp: 28472

Ion Ratio Lower Upper

42 100

74 102.1 87.9 131.9

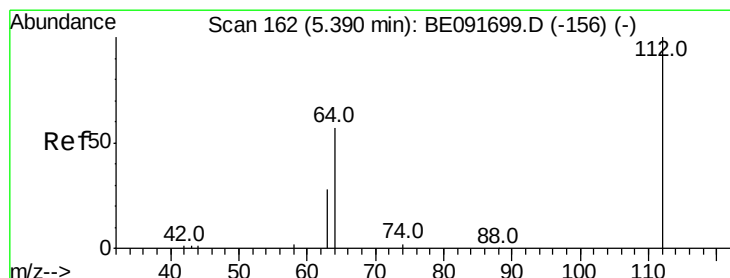
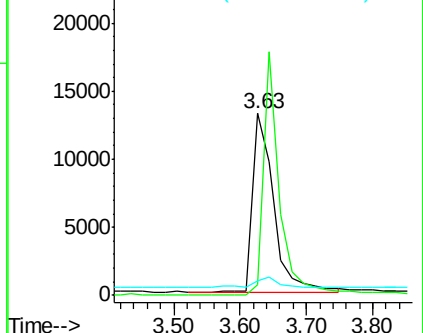
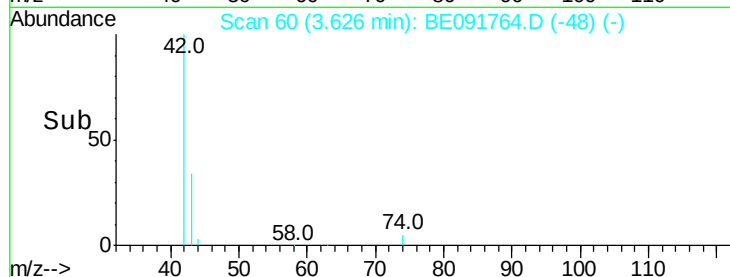
44 6.2 6.6 9.8#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 6.85 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

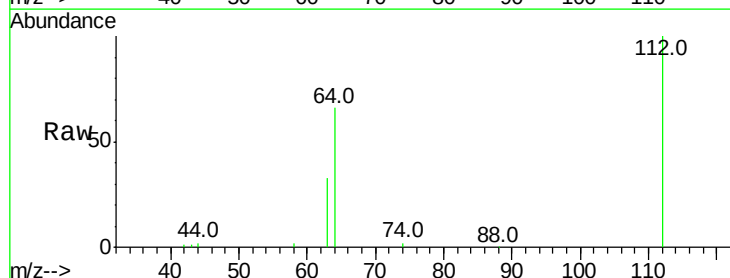
Tgt Ion: 112 Resp: 72858

Ion Ratio Lower Upper

112 100

64 66.2 30.9 46.3#

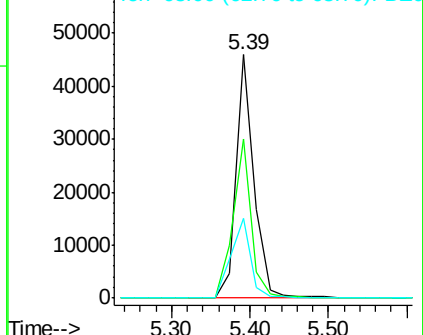
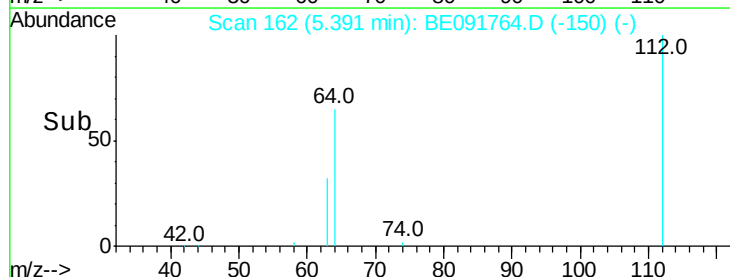
63 35.6 16.7 25.1#

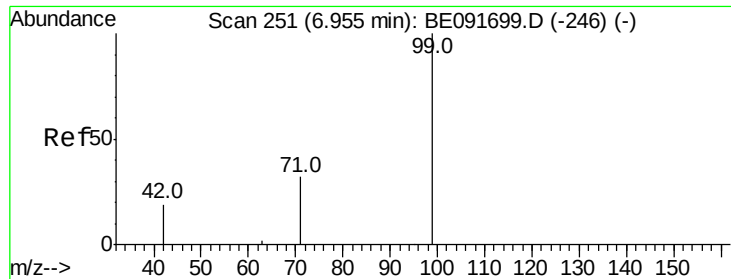


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 8.22 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MS

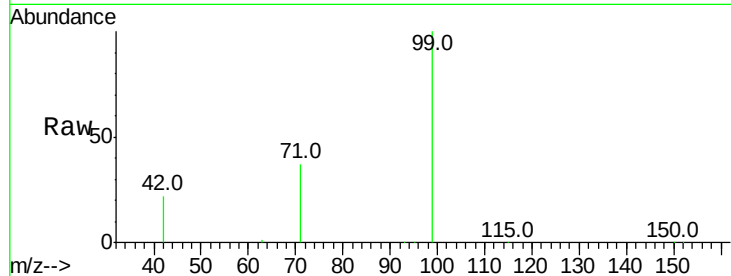
Tot Ion: 99 Resp: 116007

Ion Ratio Lower Upper

99 100

42 24.7 16.2 24.2#

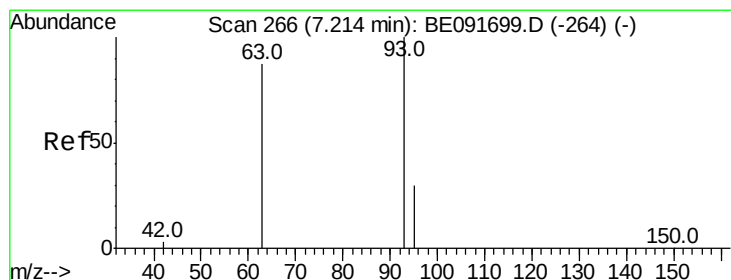
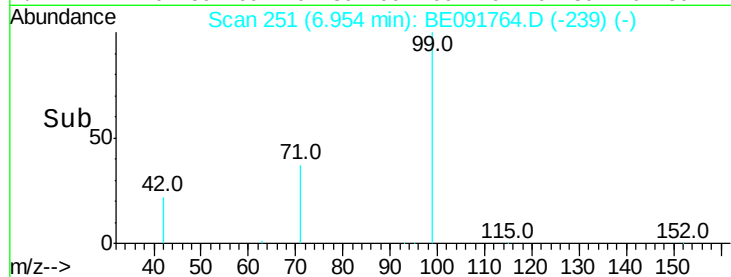
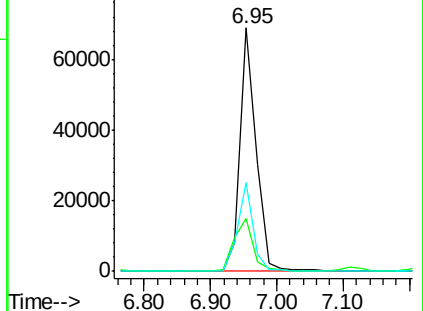
71 35.2 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 3.97 ng

RT: 7.21 min Scan# 266

Delta R.T. -0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

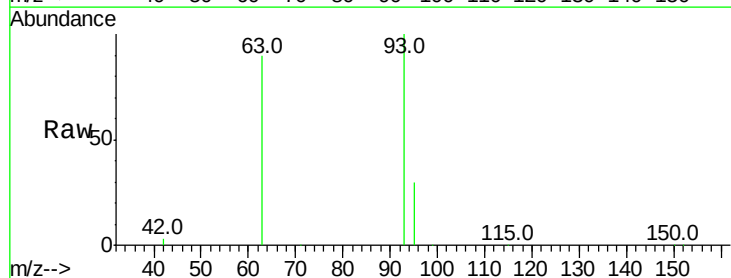
Tgt Ion: 93 Resp: 49283

Ion Ratio Lower Upper

93 100

63 83.1 49.5 74.3#

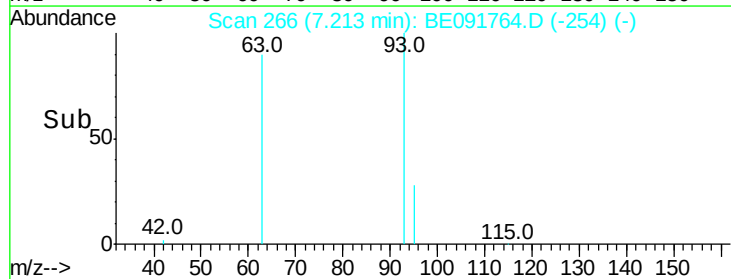
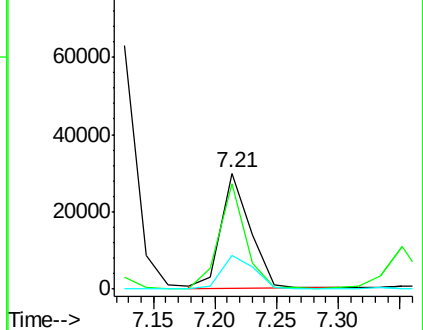
95 32.4 22.2 33.4

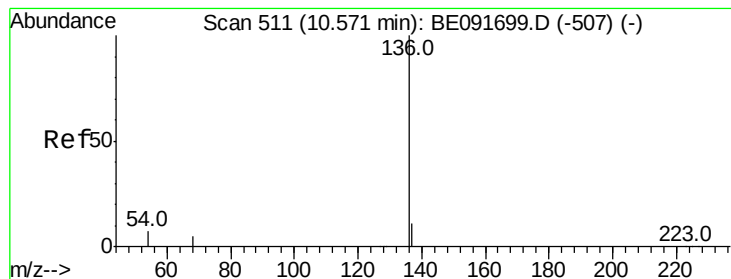


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MS

Tot Ion:136 Resp: 213357

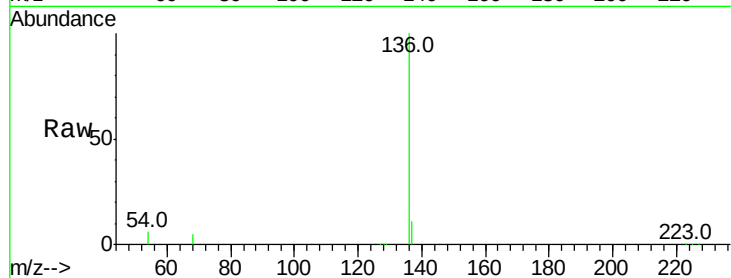
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.1 8.2 12.4#

68 4.8 6.2 9.4#

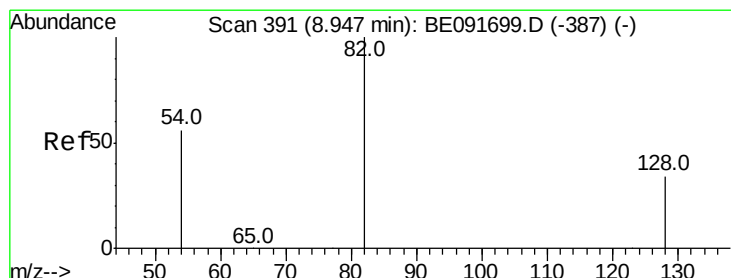
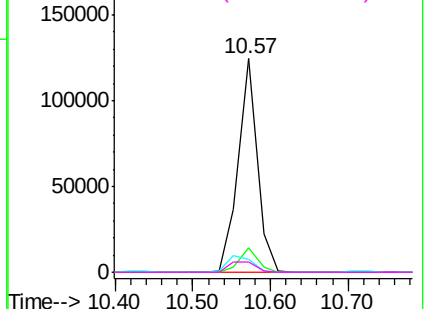
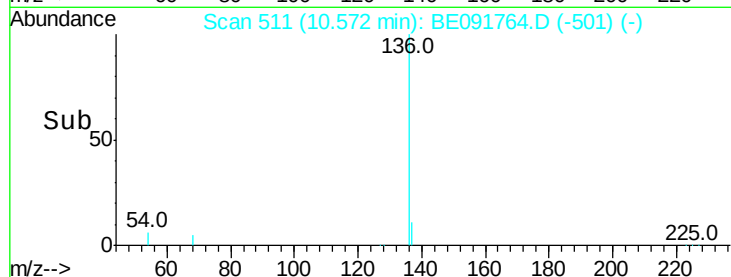


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 4.05 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

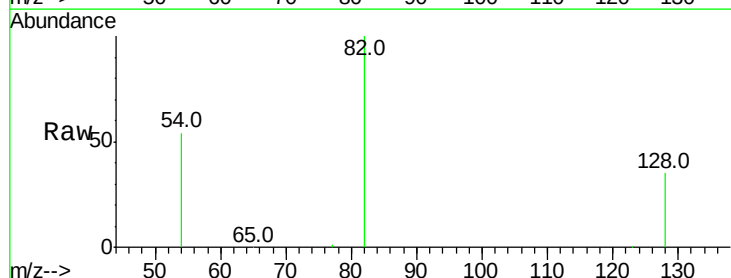
Tgt Ion: 82 Resp: 55736

Ion Ratio Lower Upper

82 100

128 34.6 25.4 38.0

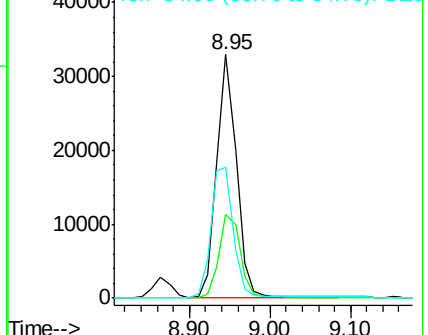
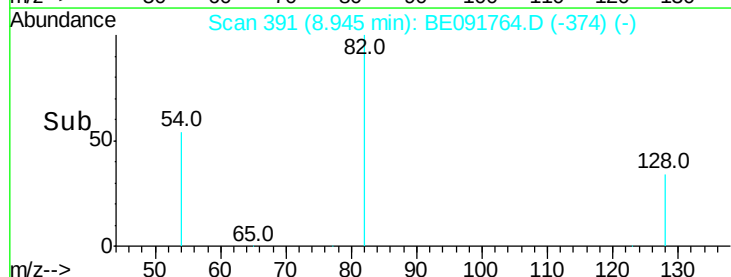
54 53.8 48.4 72.6

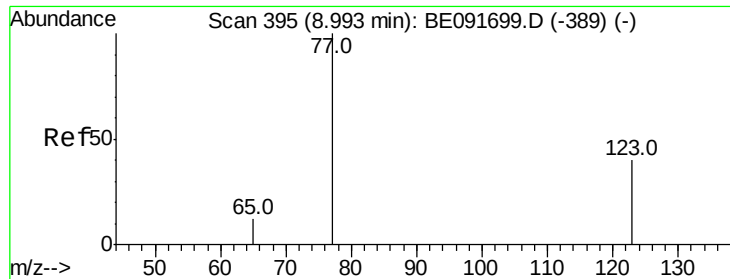


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 4.23 ng

RT: 8.99 min Scan# 395

Delta R.T. -0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MS

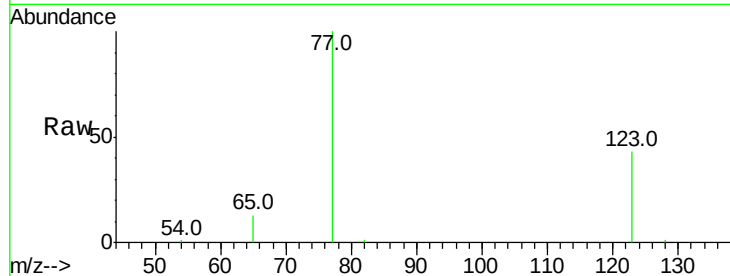
Tot Ion: 77 Resp: 60892

Ion Ratio Lower Upper

77 100

123 38.4 26.9 40.3

65 13.9 9.4 14.2

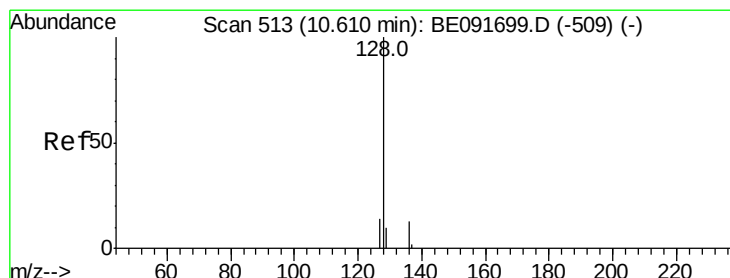
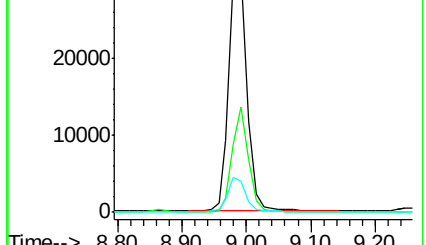
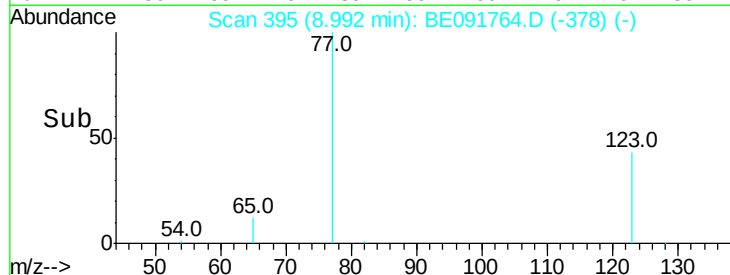


Abundance Ion 77.00 (76.70 to 77.70): BE091699.D (-389) (-)

Ion 123.00 (122.70 to 123.70): BE091699.D (-389) (-)

Ion 65.00 (64.70 to 65.70): BE091699.D (-389) (-)

Time--> 8.80 8.90 9.00 9.10 9.20



#10

Naphthalene

Concen: 4.08 ng

RT: 10.61 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

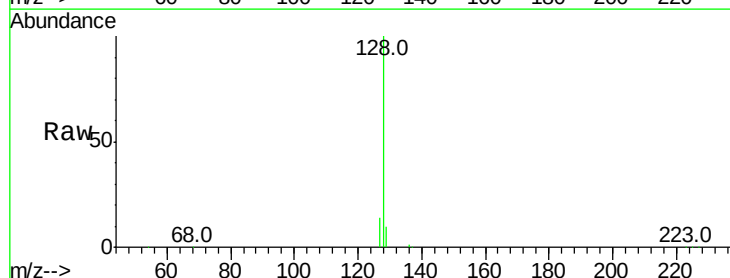
Tgt Ion: 128 Resp: 176034

Ion Ratio Lower Upper

128 100

129 10.4 9.3 13.9

127 14.0 10.7 16.1

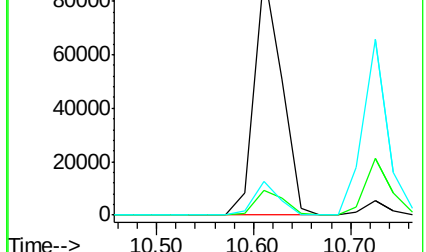
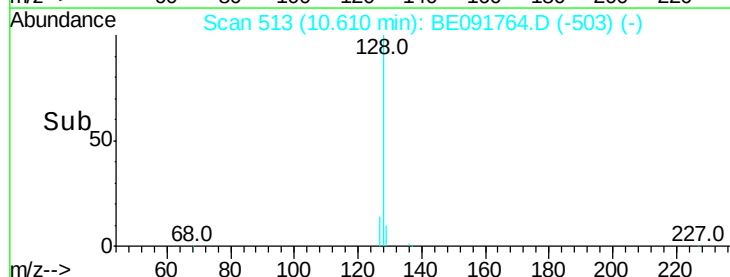


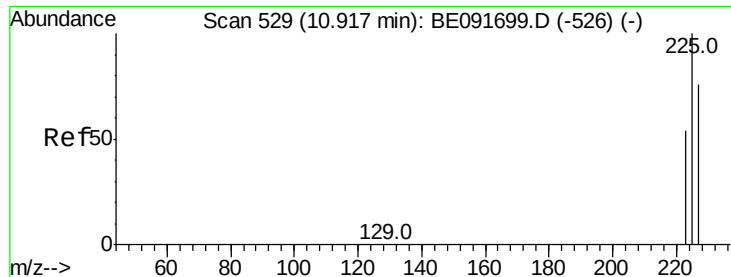
Abundance Ion 128.00 (127.70 to 128.70): BE091699.D (-509) (-)

Ion 129.00 (128.70 to 129.70): BE091699.D (-509) (-)

Ion 127.00 (126.70 to 127.70): BE091699.D (-509) (-)

Time--> 10.50 10.60 10.70

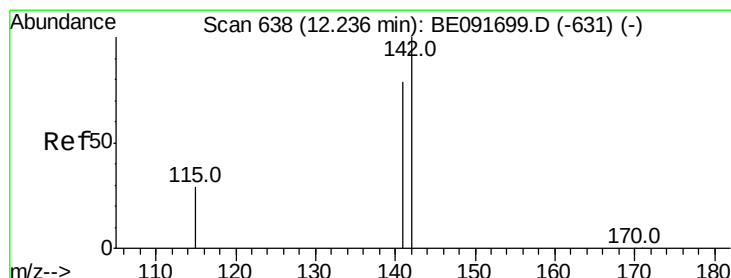
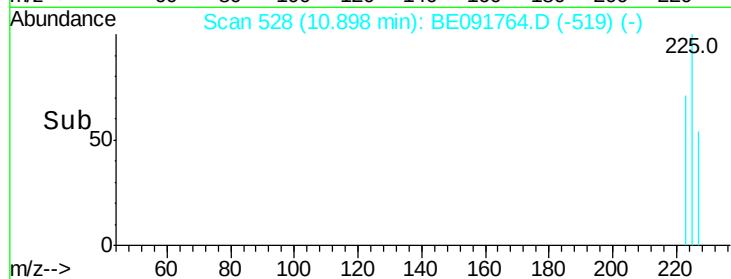
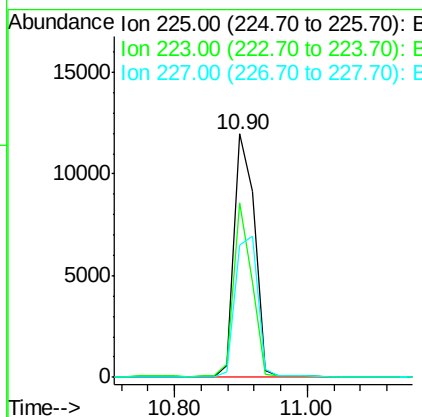
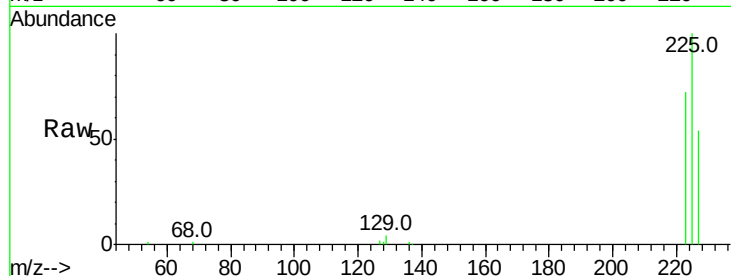




#11
Hexachlorobutadiene
Concen: 4.31 ng
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091764.D
Acq: 10 May 2016 19:53

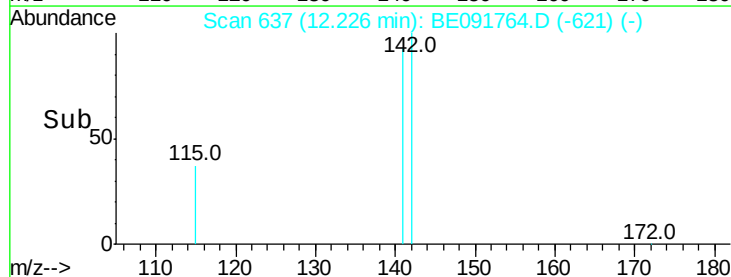
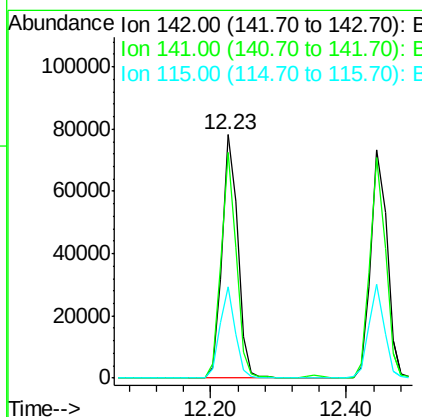
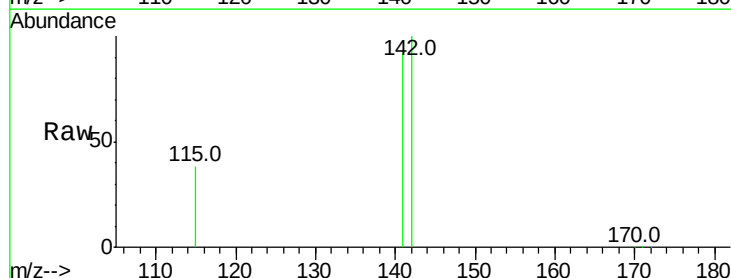
Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MS

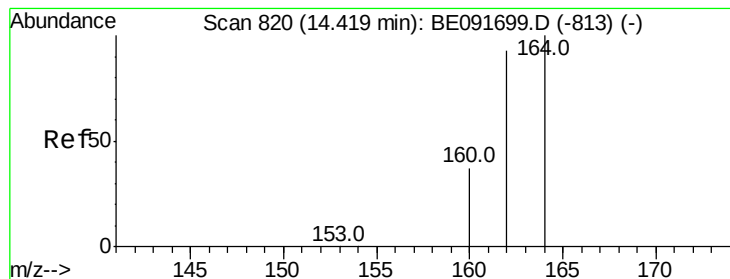
Tot Ion:225 Resp: 27427
Ion Ratio Lower Upper
225 100
223 64.2 49.0 73.6
227 64.5 50.3 75.5



#12
2-Methylnaphthalene
Concen: 4.68 ng
RT: 12.23 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE091764.D
Acq: 10 May 2016 19:53

Tgt Ion:142 Resp: 129714
Ion Ratio Lower Upper
142 100
141 92.5 71.4 107.0
115 37.5 30.3 45.5





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.41 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MS

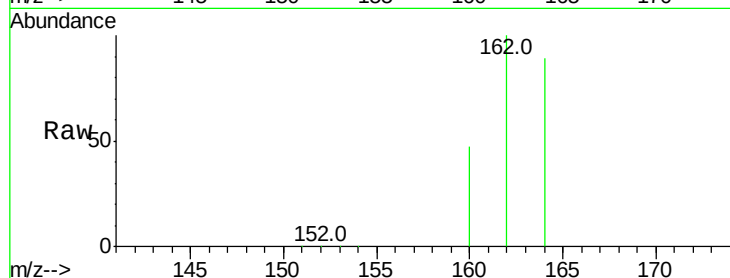
Tot Ion:164 Resp: 129304

Ion Ratio Lower Upper

164 100

162 112.8 85.3 127.9

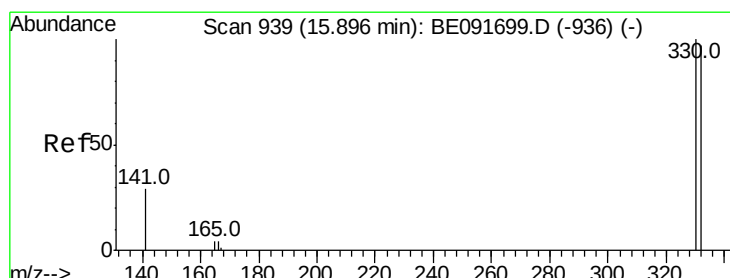
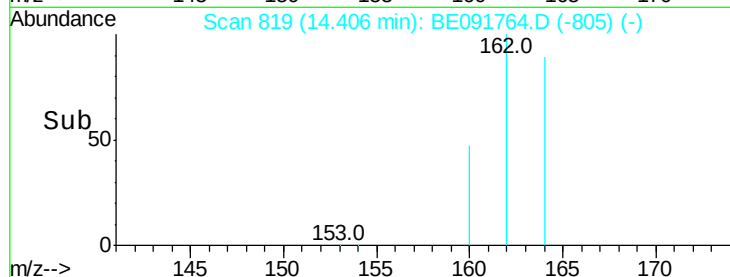
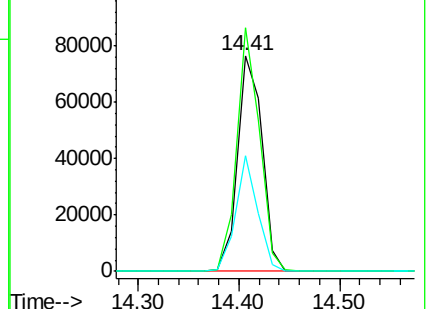
160 53.5 46.2 69.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 8.13 ng

RT: 15.89 min Scan# 938

Delta R.T. -0.01 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

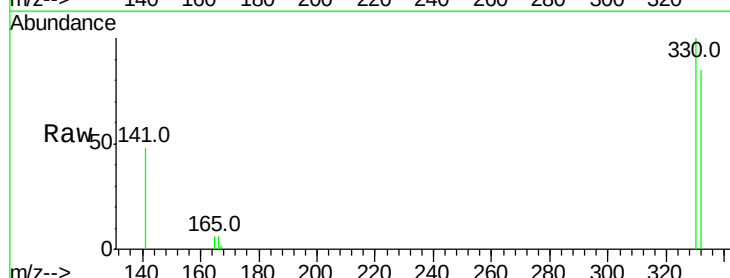
Tgt Ion:330 Resp: 39130

Ion Ratio Lower Upper

330 100

332 97.6 79.1 118.7

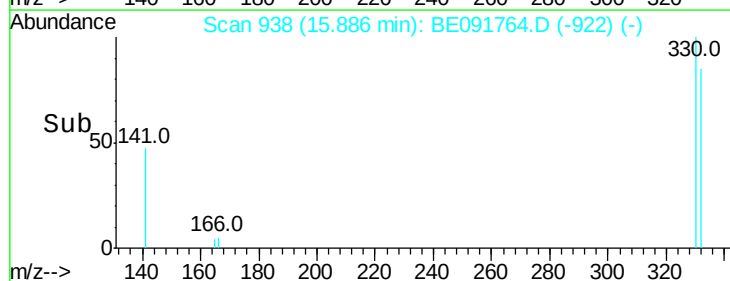
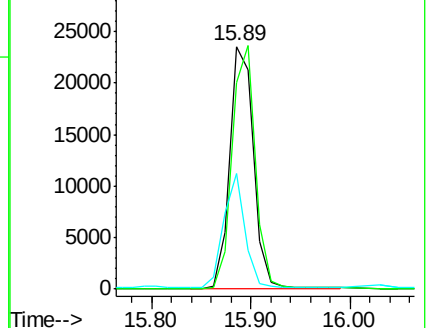
141 42.6 125.4 188.0#

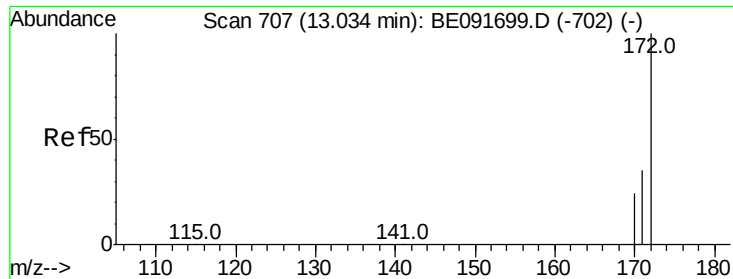


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

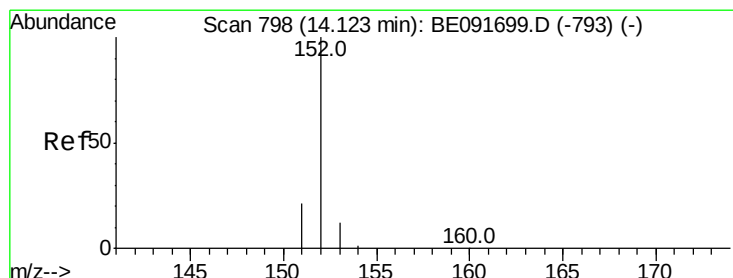
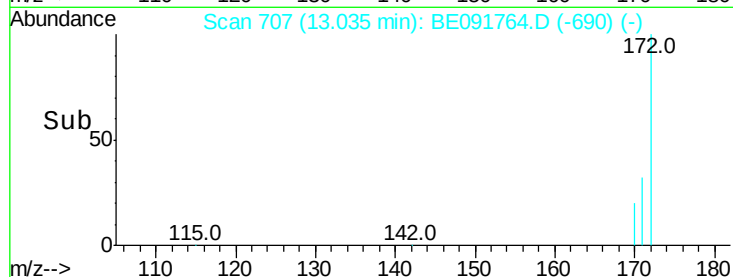
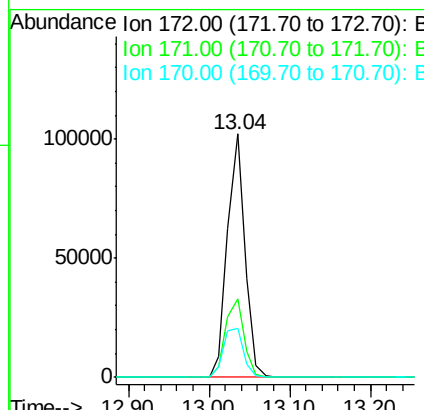
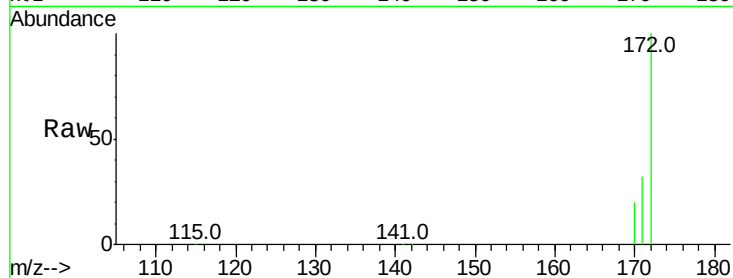




#15
2-Fluorobiphenyl
Concen: 4.19 ng
RT: 13.04 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091764.D
Acq: 10 May 2016 19:53

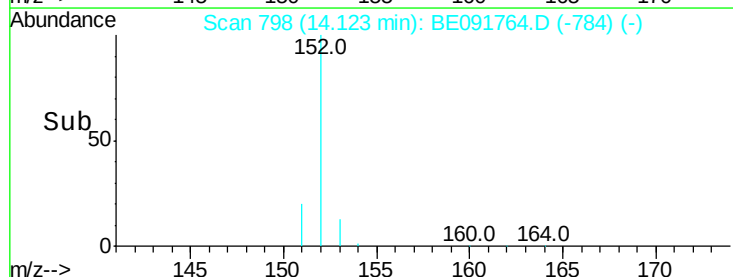
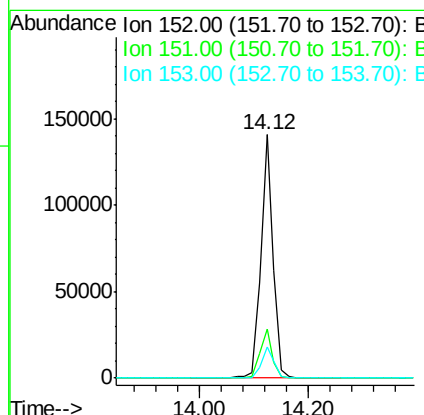
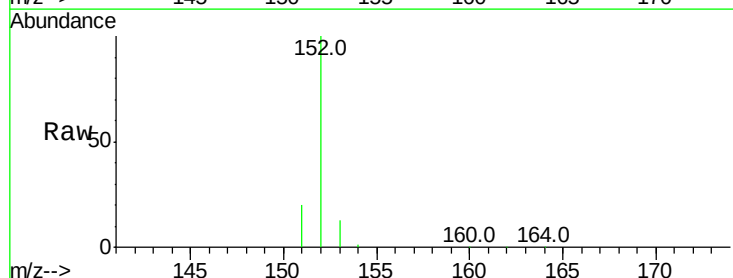
Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MS

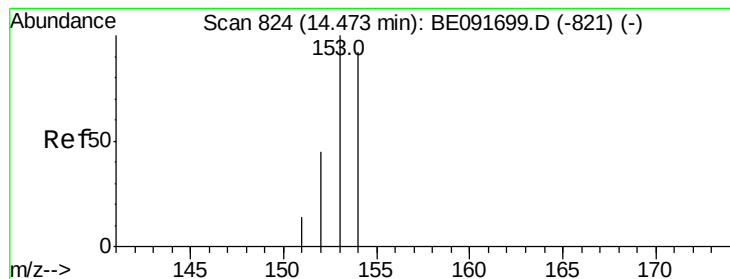
Tot Ion:172 Resp: 153385
Ion Ratio Lower Upper
172 100
171 32.5 28.8 43.2
170 20.2 19.3 28.9



#16
Acenaphthylene
Concen: 4.73 ng
RT: 14.12 min Scan# 798
Delta R.T. 0.00 min
Lab File: BE091764.D
Acq: 10 May 2016 19:53

Tgt Ion:152 Resp: 235108
Ion Ratio Lower Upper
152 100
151 20.3 3.9 5.9#
153 13.5 10.3 15.5





#17

Acenaphthene

Concen: 4.40 ng

RT: 14.47 min Scan# 824

Delta R.T. 0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MS

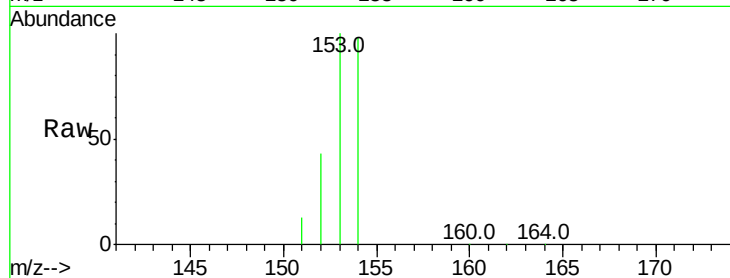
Tot Ion:154 Resp: 142072

Ion Ratio Lower Upper

154 100

153 107.4 80.0 120.0

152 52.7 40.0 60.0

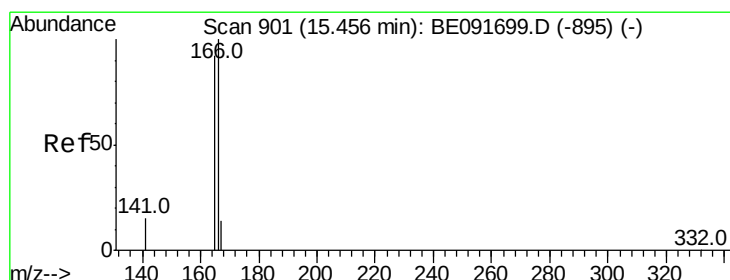
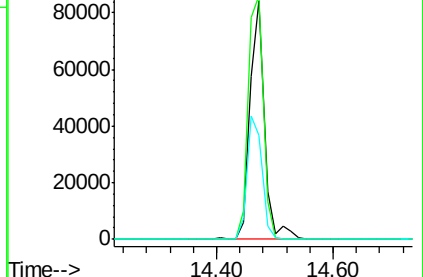
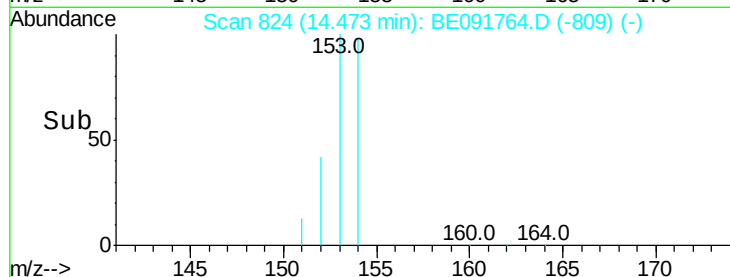


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

14.47



#18

Fluorene

Concen: 4.46 ng

RT: 15.45 min Scan# 900

Delta R.T. -0.01 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

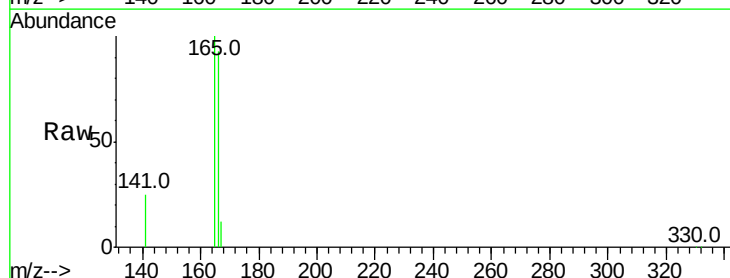
Tgt Ion:166 Resp: 178953

Ion Ratio Lower Upper

166 100

165 98.7 80.8 121.2

167 13.7 10.9 16.3

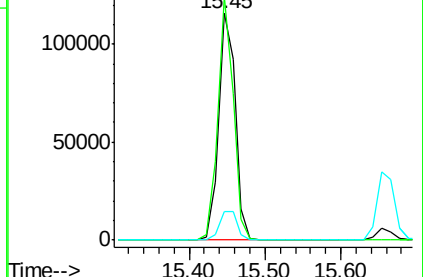
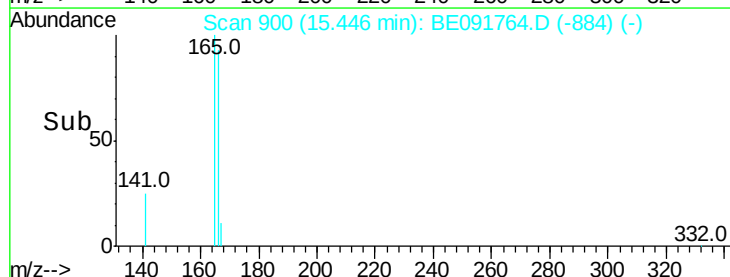


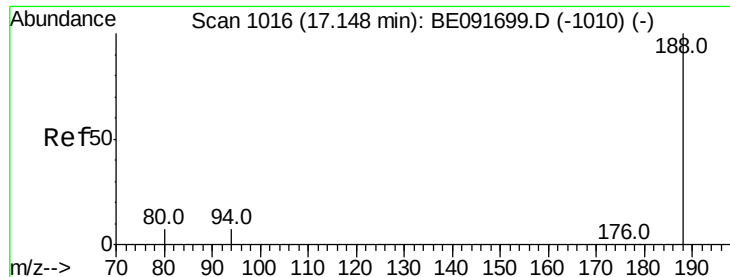
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.45

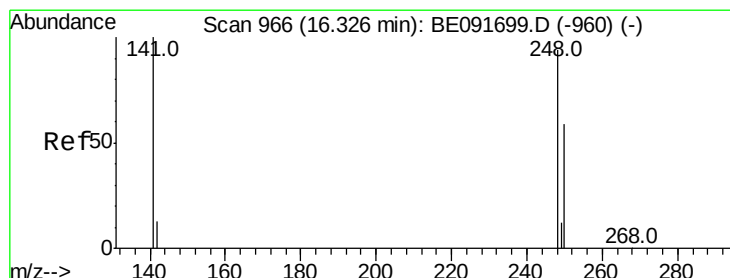
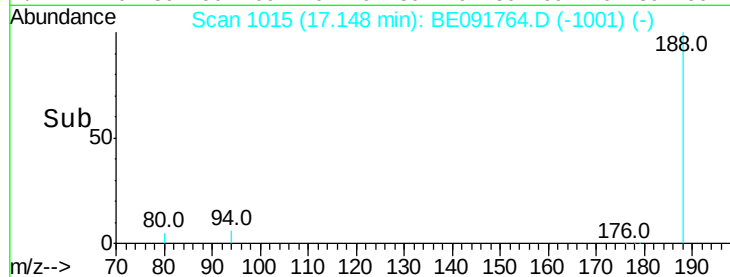
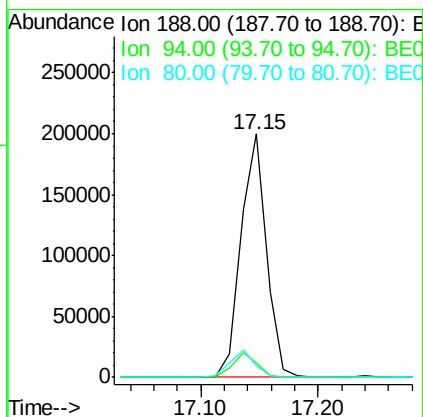
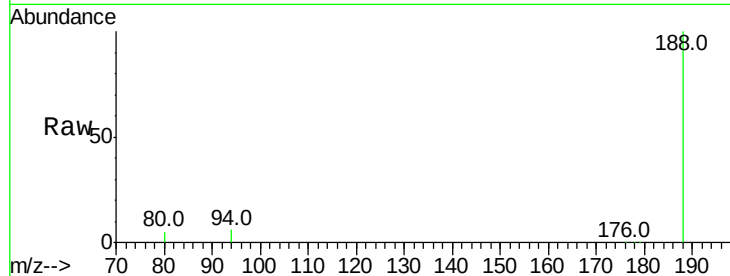




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE091764.D
Acq: 10 May 2016 19:53

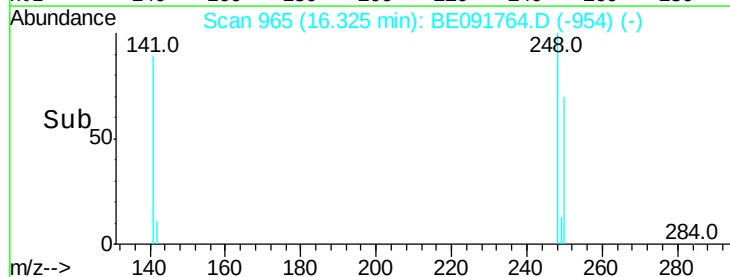
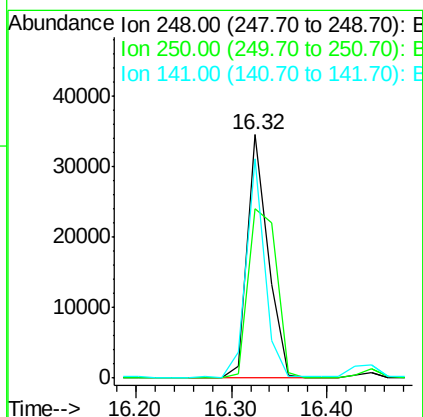
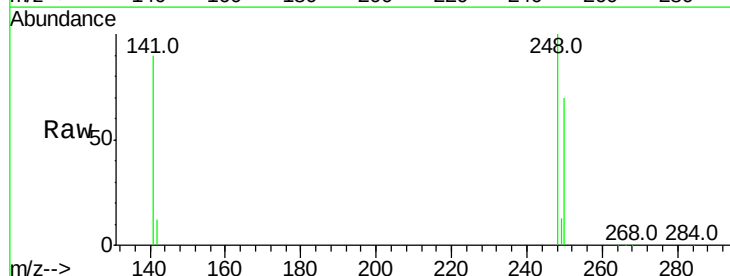
Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MS

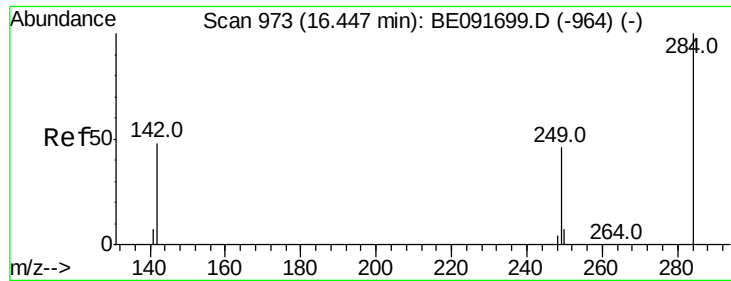
Tot Ion:188 Resp: 302676
Ion Ratio Lower Upper
188 100
94 5.7 8.7 13.1#
80 4.9 9.4 14.0#



#20
4-Bromophenyl-phenylether
Concen: 4.76 ng
RT: 16.32 min Scan# 965
Delta R.T. -0.00 min
Lab File: BE091764.D
Acq: 10 May 2016 19:53

Tgt Ion:248 Resp: 51787
Ion Ratio Lower Upper
248 100
250 94.6 80.5 120.7
141 80.0 72.0 108.0

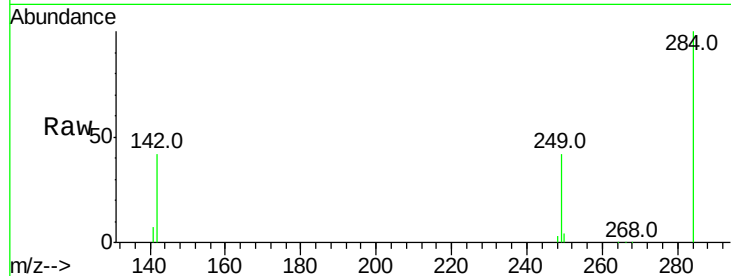




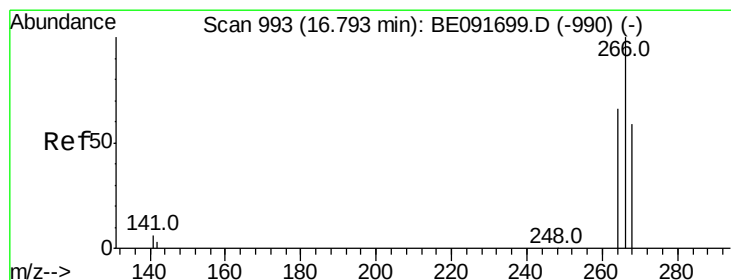
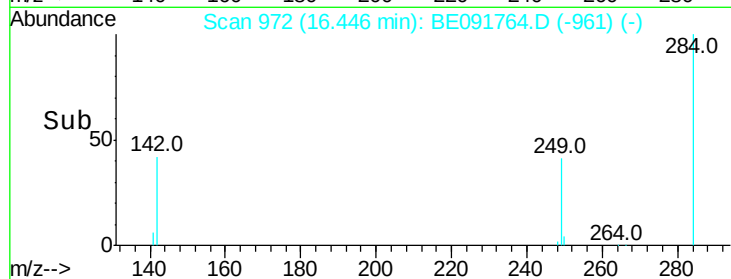
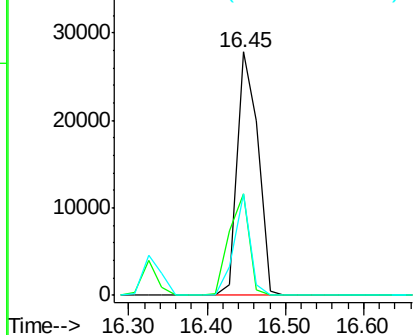
#21
Hexachlorobenzene
Concen: 4.71 ng
RT: 16.45 min Scan# 972
Delta R.T. -0.00 min
Lab File: BE091764.D
Acq: 10 May 2016 19:53

Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MS

Tot Ion:284 Resp: 51281
Ion Ratio Lower Upper
284 100
142 39.5 32.2 48.2
249 32.4 25.4 38.2

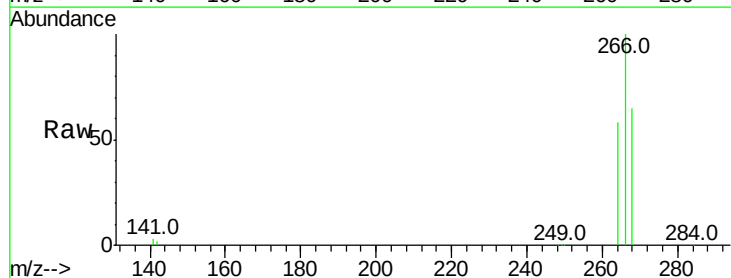


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

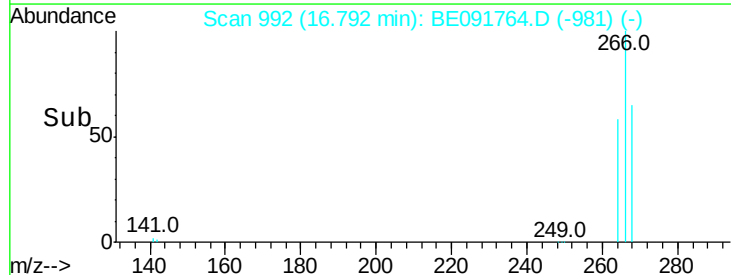
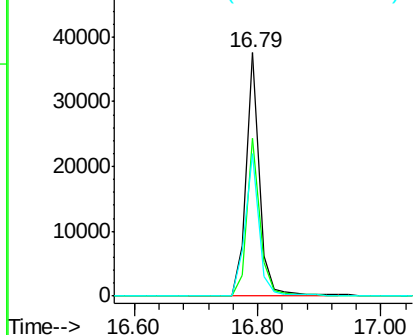


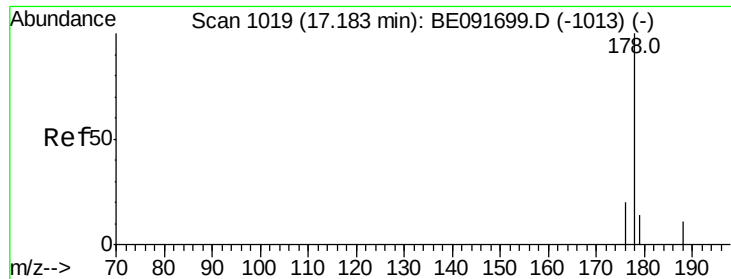
#22
Pentachlorophenol
Concen: 9.51 ng
RT: 16.79 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE091764.D
Acq: 10 May 2016 19:53

Tgt Ion:266 Resp: 56088
Ion Ratio Lower Upper
266 100
268 65.0 58.2 87.2
264 58.4 56.2 84.4



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 4.46 ng

RT: 17.18 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MS

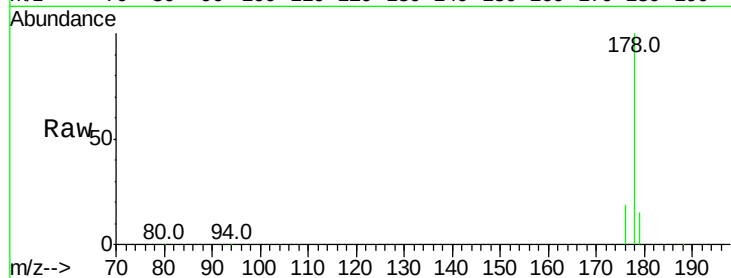
Tot Ion:178 Resp: 306680

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

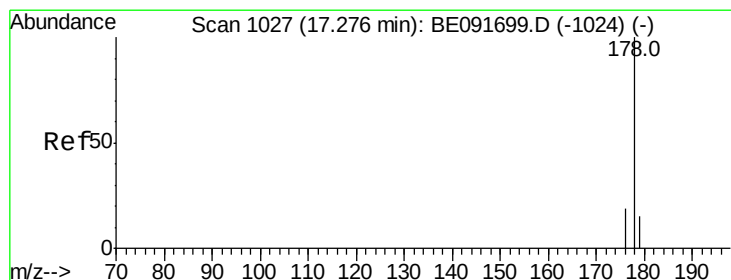
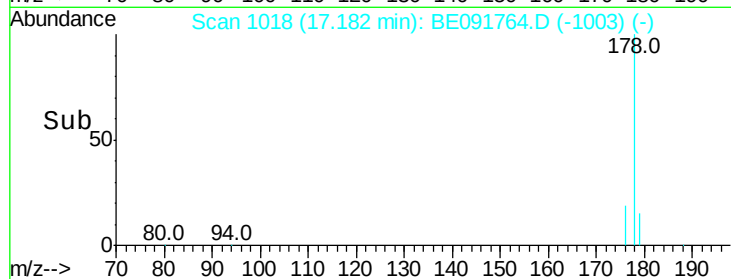
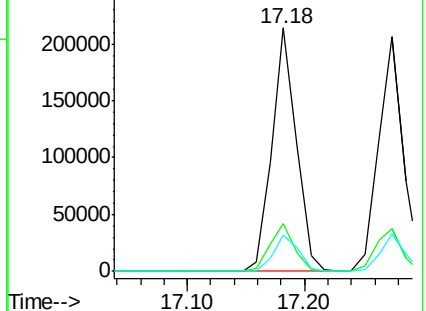
179 15.5 12.6 18.8



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



#24

Anthracene

Concen: 4.85 ng

RT: 17.27 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

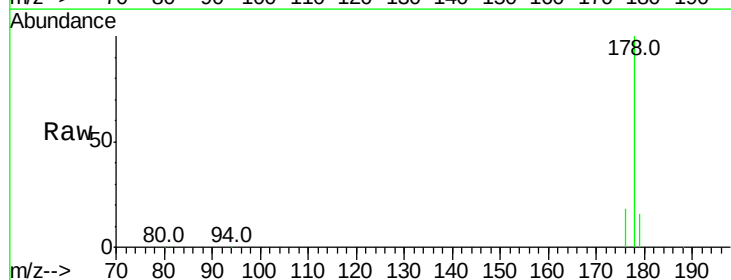
Tgt Ion:178 Resp: 300642

Ion Ratio Lower Upper

178 100

176 19.1 14.6 21.8

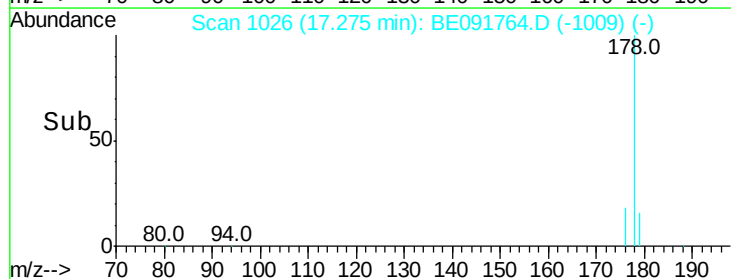
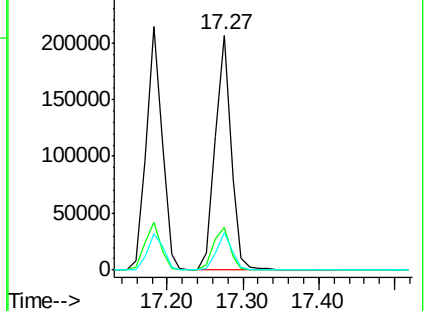
179 15.4 11.8 17.6

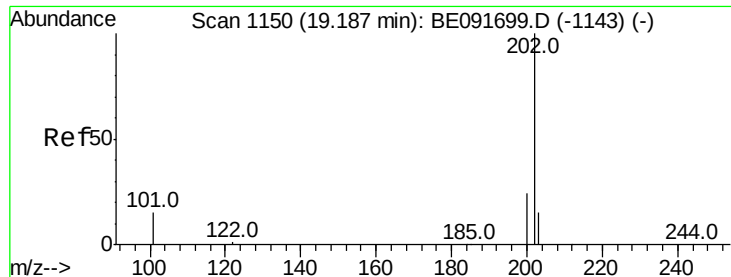


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 4.84 ng

RT: 19.19 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MS

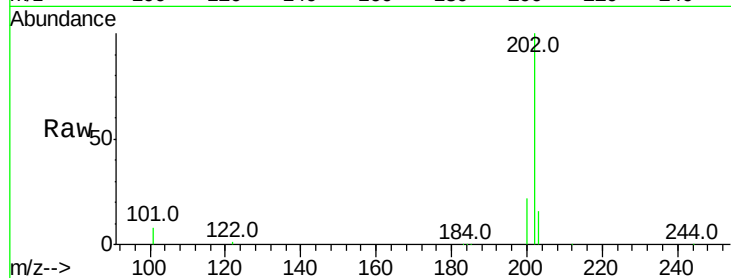
Tot Ion:202 Resp: 347907

Ion Ratio Lower Upper

202 100

101 10.4 11.0 16.6#

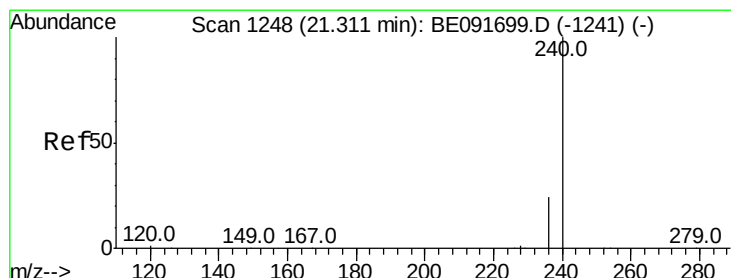
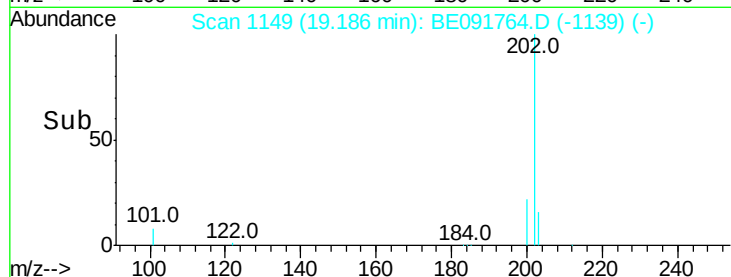
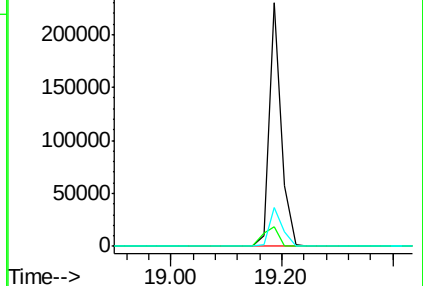
203 17.4 13.9 20.9



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

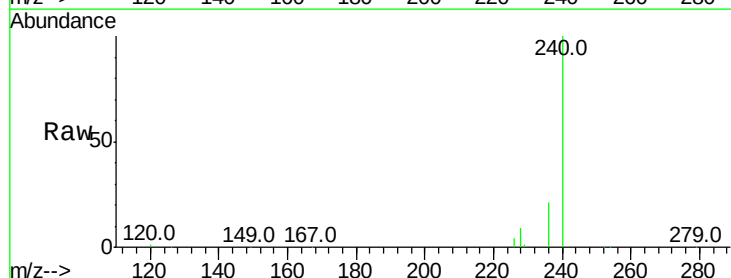
Tgt Ion:240 Resp: 290654

Ion Ratio Lower Upper

240 100

120 0.7 11.0 16.4#

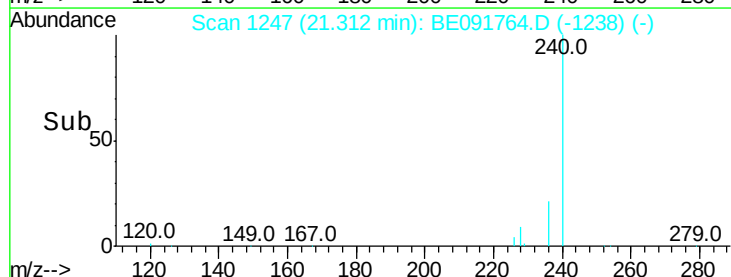
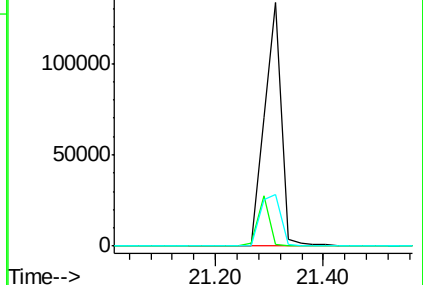
236 21.2 21.7 32.5#

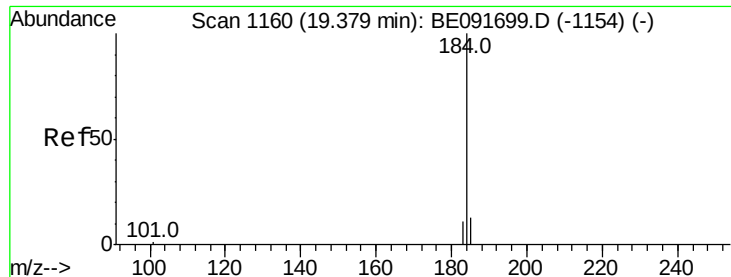


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 3.27 ng

RT: 19.38 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MS

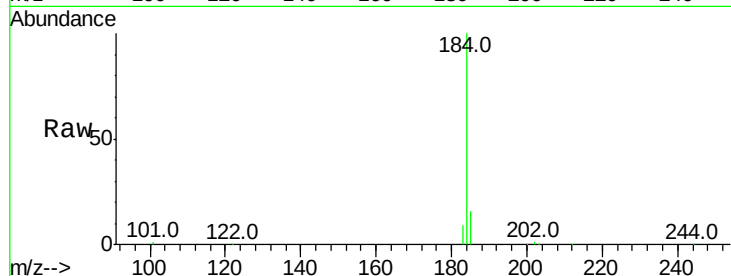
Tot Ion:184 Resp: 73850

Ion Ratio Lower Upper

184 100

185 16.0 22.3 33.5#

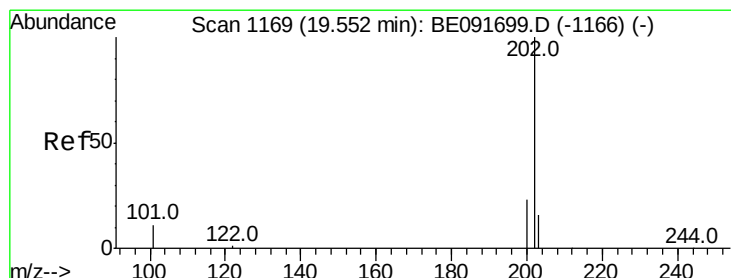
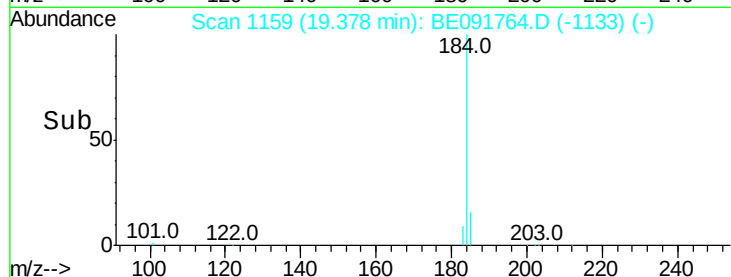
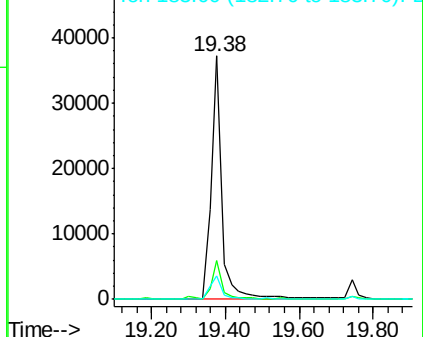
183 9.4 16.4 24.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 5.62 ng

RT: 19.55 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

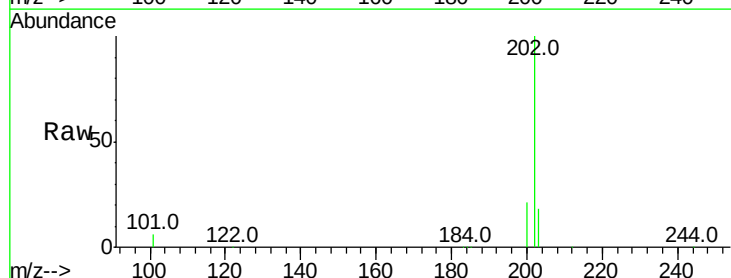
Tgt Ion:202 Resp: 369112

Ion Ratio Lower Upper

202 100

200 21.3 16.8 25.2

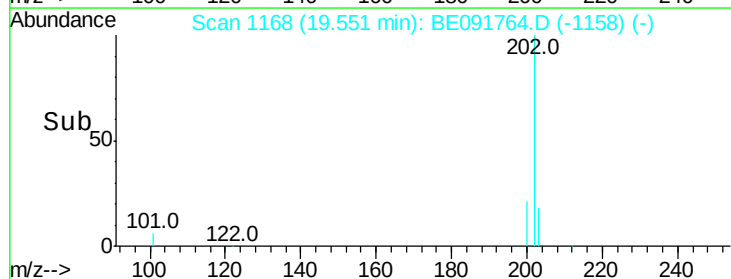
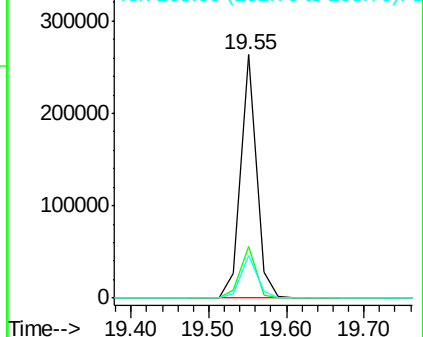
203 18.4 14.0 21.0

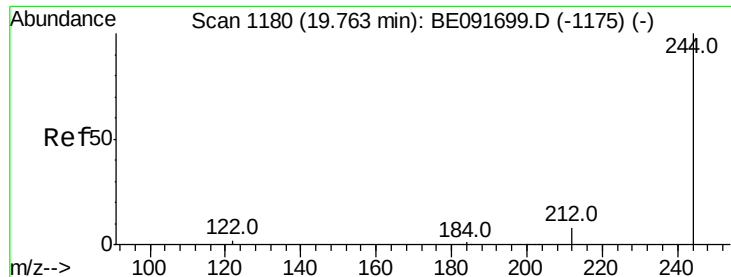


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.71 ng

RT: 19.76 min Scan# 1179

Delta R.T. -0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MS

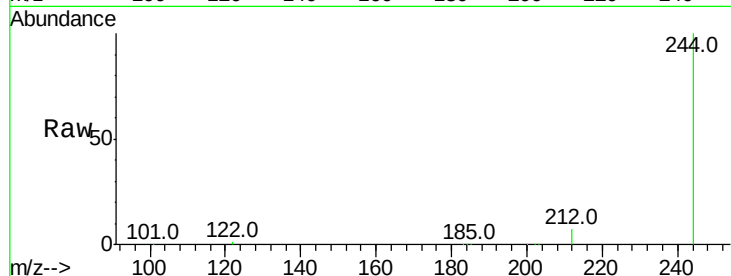
Tot Ion:244 Resp: 213380

Ion Ratio Lower Upper

244 100

212 6.9 6.9 10.3#

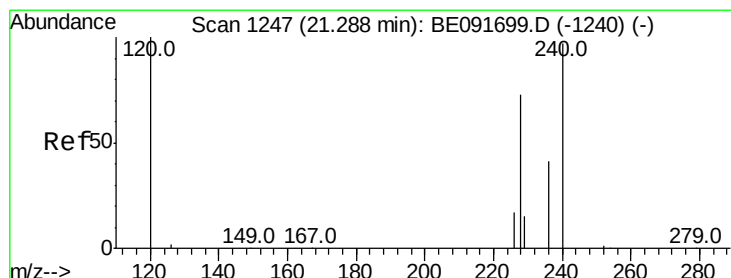
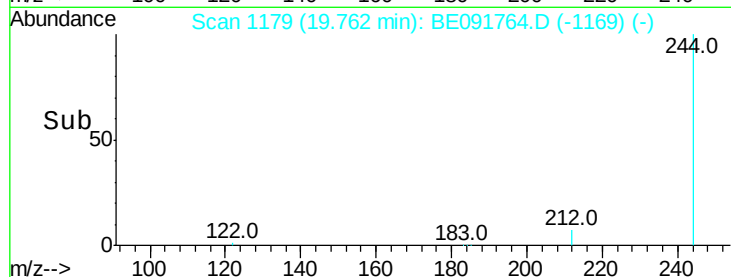
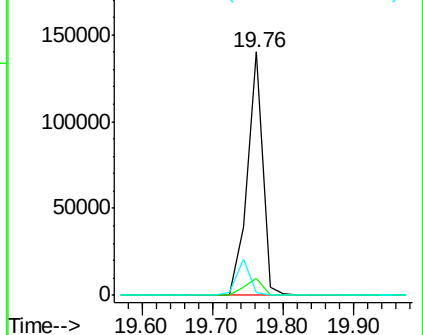
122 1.0 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 4.66 ng

RT: 21.29 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

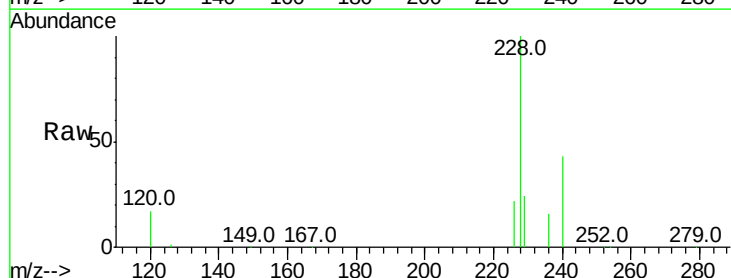
Tgt Ion:228 Resp: 330550

Ion Ratio Lower Upper

228 100

226 21.6 21.0 31.4

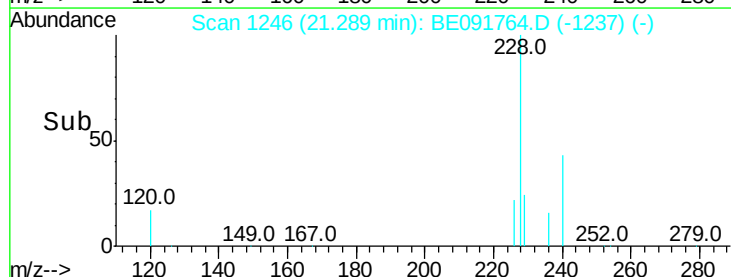
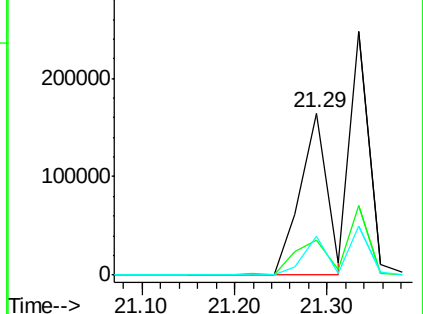
229 23.6 15.7 23.5#

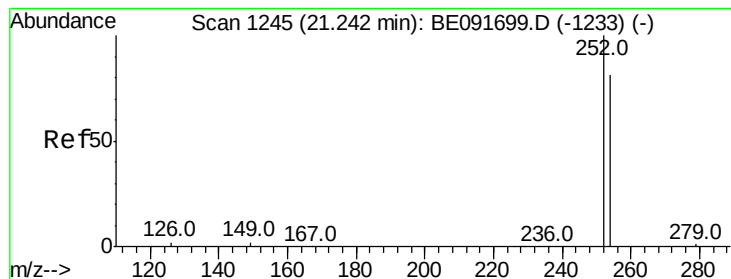


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

3,3'-Dichlorobenzidine

Concen: 4.01 ng

RT: 21.22 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MS

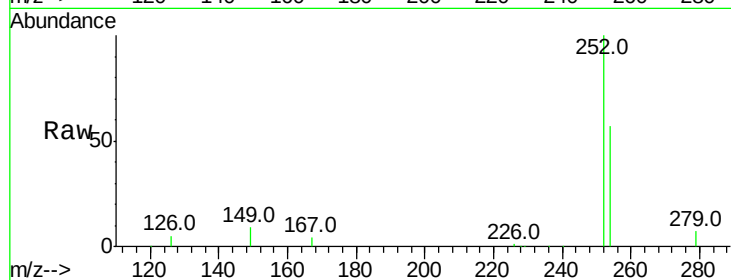
Tot Ion:252 Resp: 145333

Ion Ratio Lower Upper

252 100

254 56.9 51.1 76.7

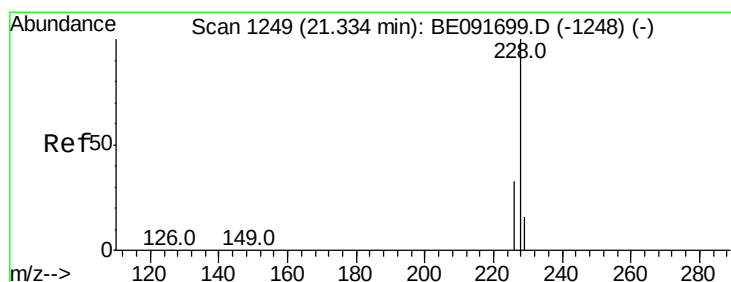
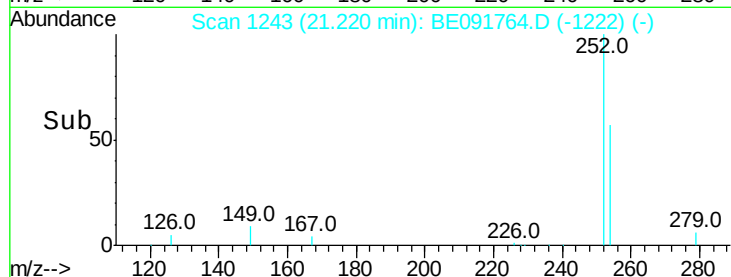
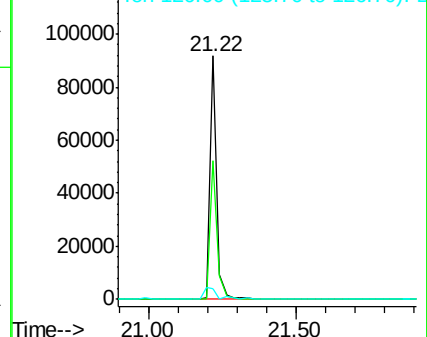
126 4.6 12.6 18.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#32

Chrysene

Concen: 4.94 ng m

RT: 21.33 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

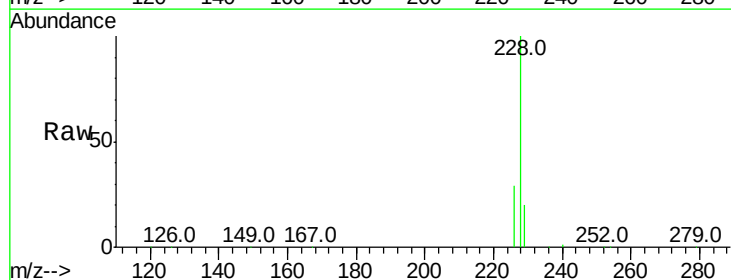
Tgt Ion:228 Resp: 364867

Ion Ratio Lower Upper

228 100

226 28.6 24.0 36.0

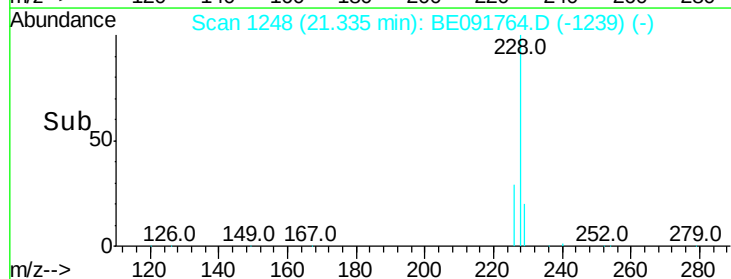
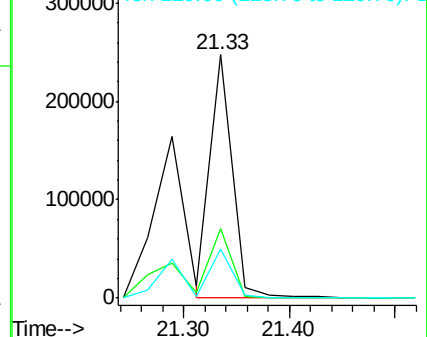
229 20.1 15.9 23.9

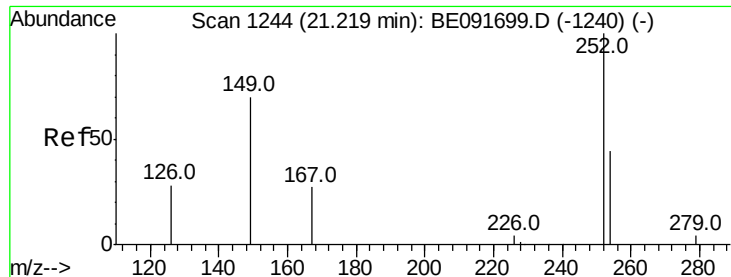


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

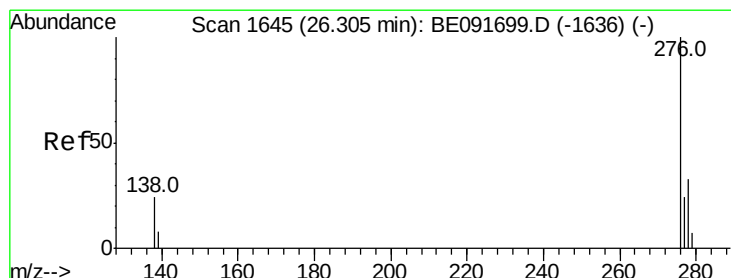
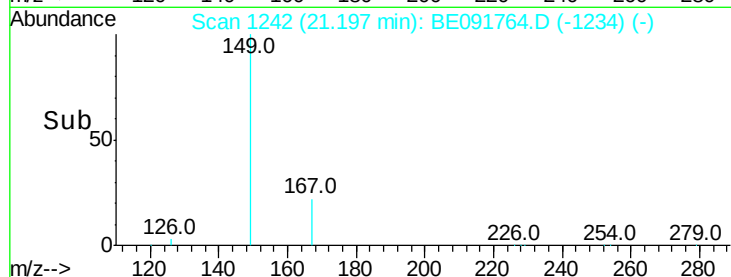
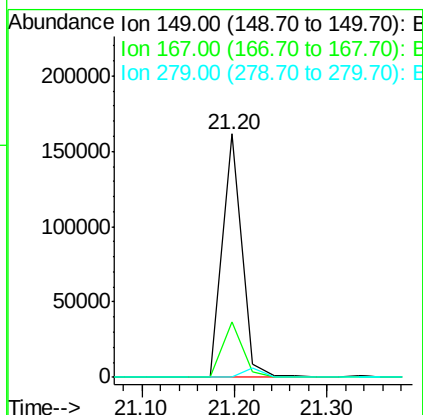
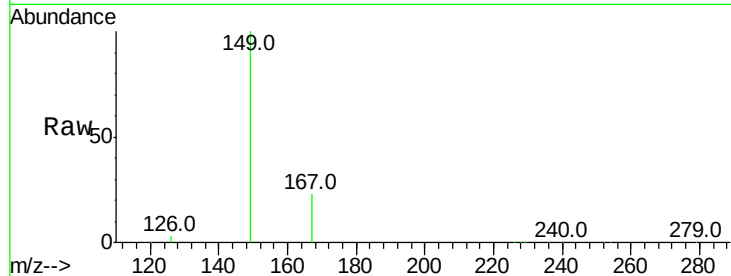




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 11.01 ng
 RT: 21.20 min Scan# 1242
 Delta R.T. -0.02 min
 Lab File: BE091764.D
 Acq: 10 May 2016 19:53

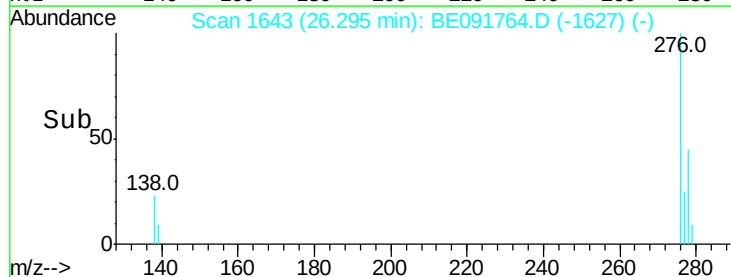
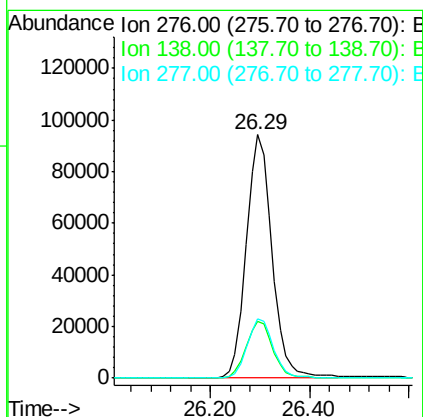
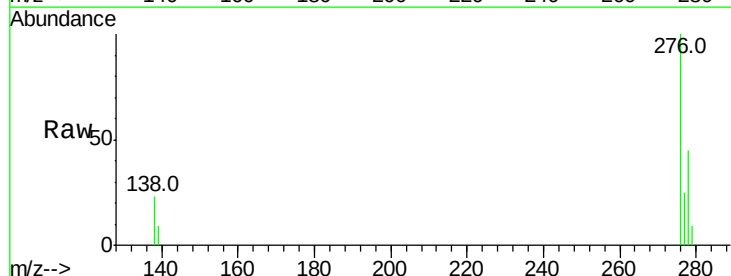
Instrument :
 BNA_E
 ClientSampleId :
 CEDAR-HILL-TF-PS-003MS

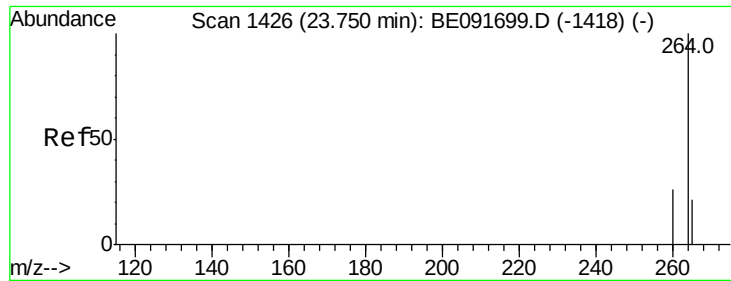
Tot Ion:149 Resp: 236721
 Ion Ratio Lower Upper
 149 100
 167 23.5 19.5 29.3
 279 0.0 10.0 15.0#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 5.22 ng
 RT: 26.29 min Scan# 1643
 Delta R.T. -0.01 min
 Lab File: BE091764.D
 Acq: 10 May 2016 19:53

Tgt Ion:276 Resp: 342844
 Ion Ratio Lower Upper
 276 100
 138 24.1 23.4 35.2
 277 24.8 19.8 29.8

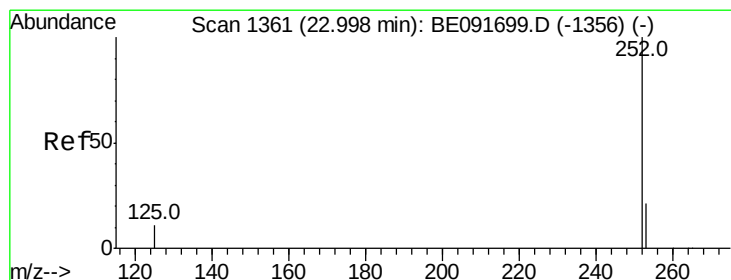
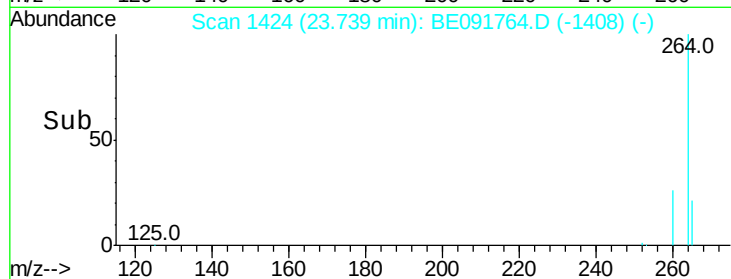
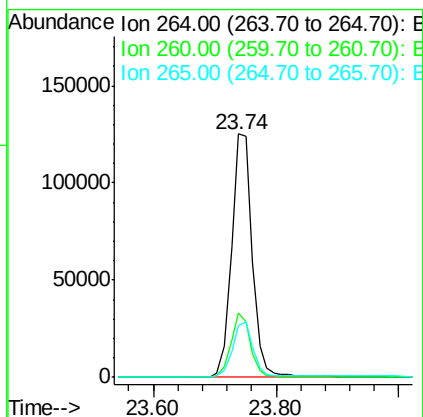
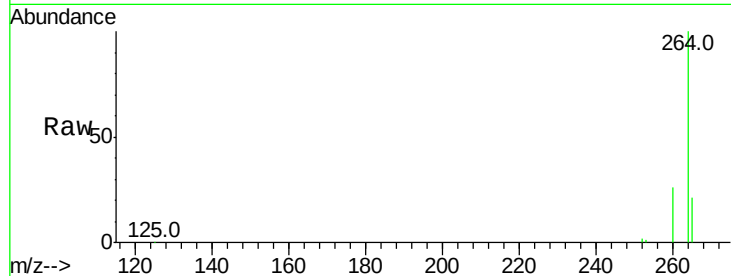




#35
Pervlene-d12
Concen: 5.00 ng
RT: 23.74 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BE091764.D
Acq: 10 May 2016 19:53

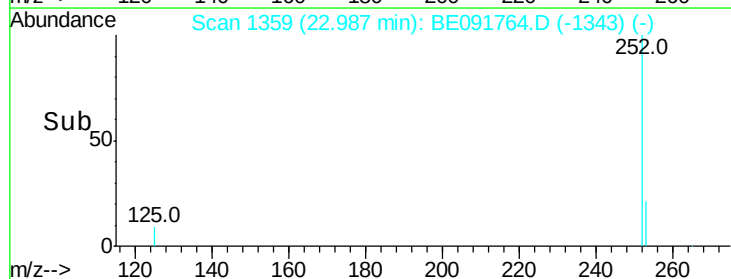
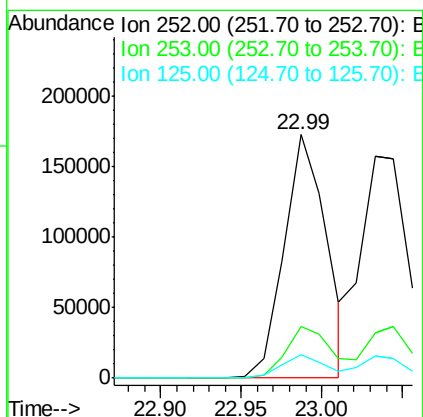
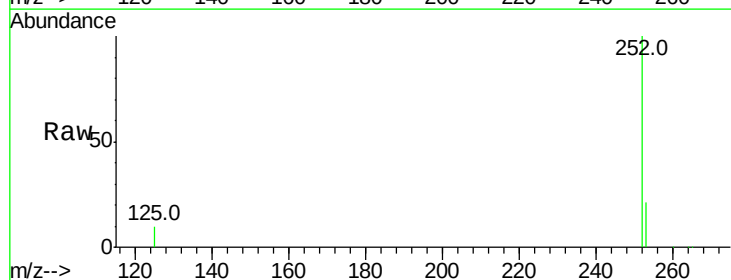
Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MS

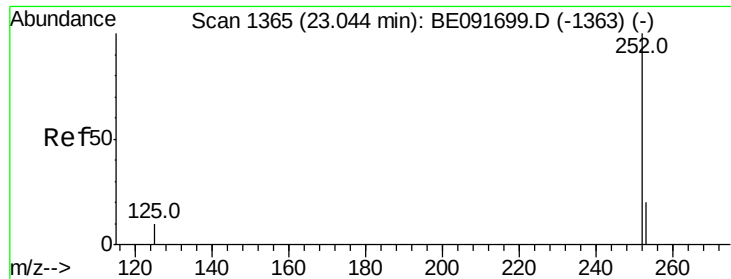
Tot Ion:264 Resp: 294473
Ion Ratio Lower Upper
264 100
260 26.4 20.0 30.0
265 21.3 17.5 26.3



#36
Benzo(b)fluoranthene
Concen: 4.58 ng
RT: 22.99 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BE091764.D
Acq: 10 May 2016 19:53

Tgt Ion:252 Resp: 316242
Ion Ratio Lower Upper
252 100
253 21.0 17.4 26.0
125 9.6 10.2 15.2#





#37

Benzo(k)fluoranthene

Concen: 4.67 ng

RT: 23.03 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MS

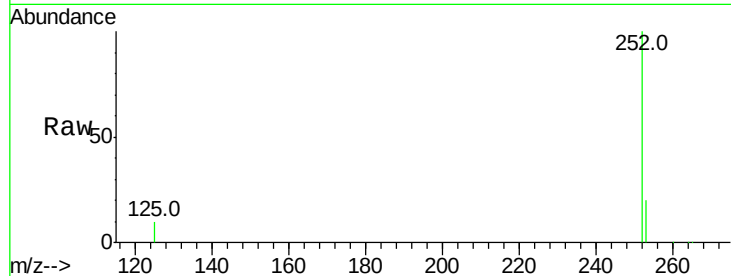
Tot Ion:252 Resp: 327706

Ion Ratio Lower Upper

252 100

253 20.4 17.6 26.4

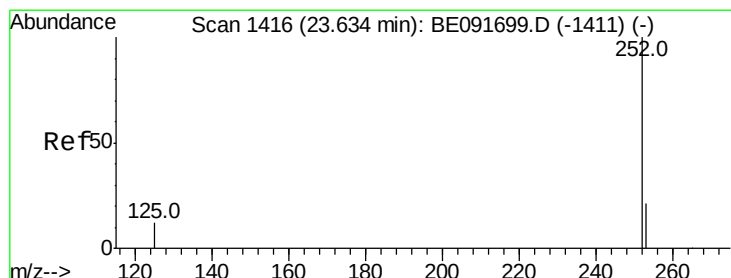
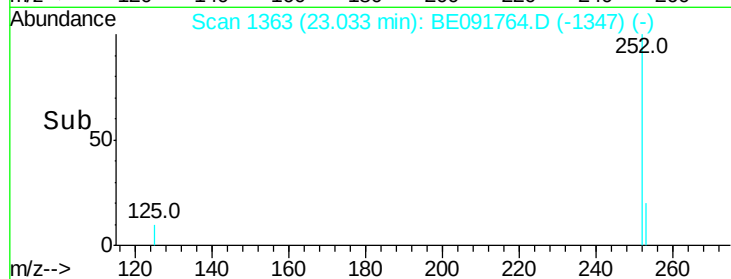
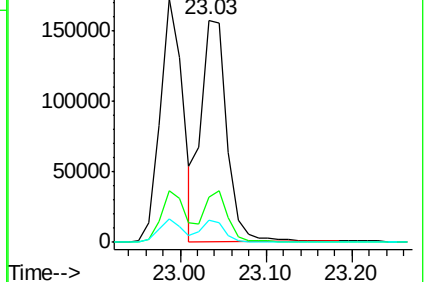
125 10.0 9.9 14.9



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



#38

Benzo(a)pyrene

Concen: 4.71 ng

RT: 23.62 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

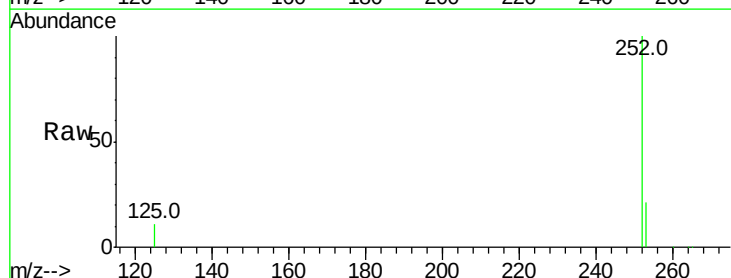
Tgt Ion:252 Resp: 306297

Ion Ratio Lower Upper

252 100

253 21.0 18.1 27.1

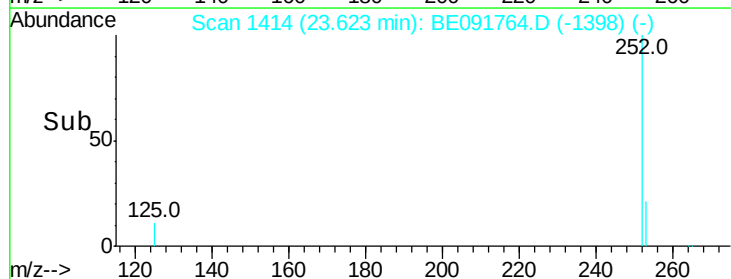
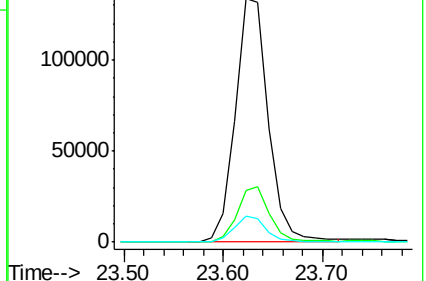
125 10.9 11.0 16.4#

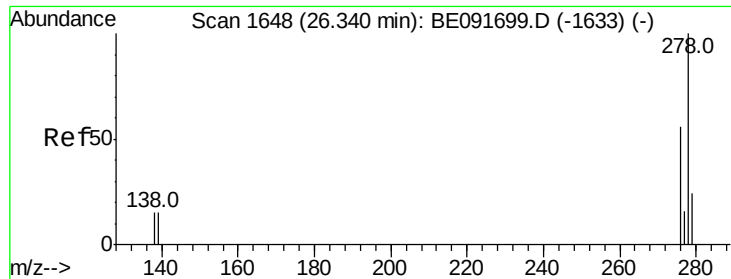


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 4.65 ng

RT: 26.32 min Scan# 1645

Delta R.T. -0.02 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MS

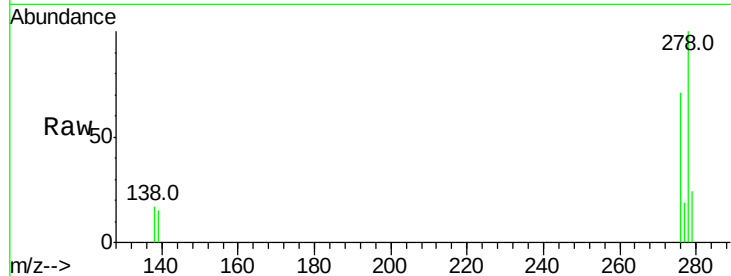
Tot Ion:278 Resp: 286172

Ion Ratio Lower Upper

278 100

139 15.1 16.0 24.0#

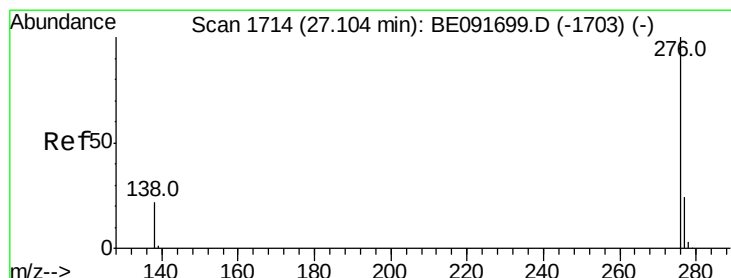
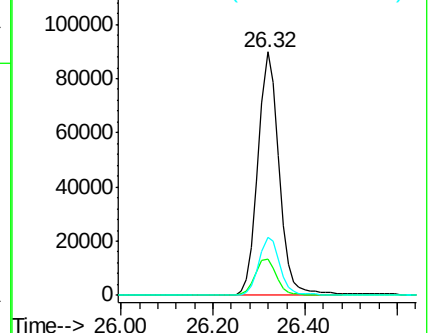
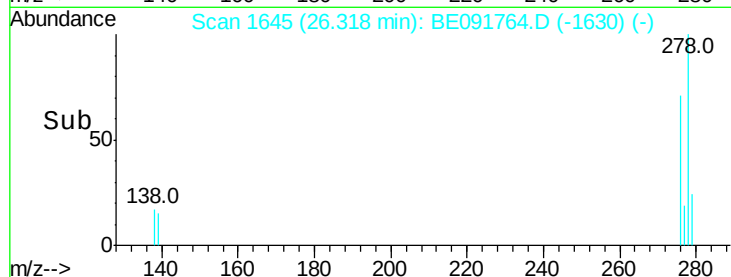
279 23.8 19.4 29.2



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



#40

Benzo(g,h,i)perylene

Concen: 4.62 ng

RT: 27.08 min Scan# 1711

Delta R.T. -0.02 min

Lab File: BE091764.D

Acq: 10 May 2016 19:53

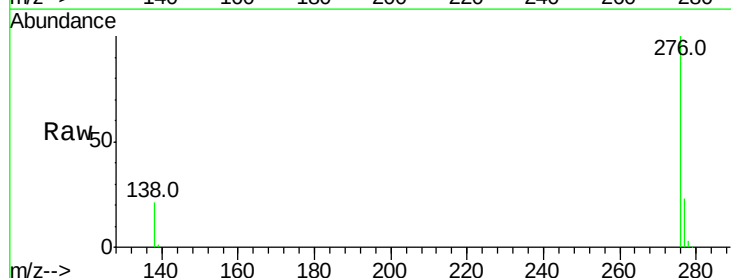
Tgt Ion:276 Resp: 288805

Ion Ratio Lower Upper

276 100

277 23.1 18.6 28.0

138 21.1 20.4 30.6



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

