

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051016\
 Data File : BE091765.D
 Acq On : 10 May 2016 20:31
 Operator : UM/SJ
 Sample : H2912-02MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 11 01:33:57 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	44235	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	213736	5.00	ng	0.00
13) Acenaphthene-d10	14.41	164	127245	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	292335	5.00	ng	0.00
26) Chrysene-d12	21.31	240	293597	5.00	ng	0.00
35) Perylene-d12	23.75	264	298207	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	66097	6.08	ng	0.00
5) Phenol-d6	6.95	99	104551	7.26	ng	0.00
8) Nitrobenzene-d5	8.95	82	50099	3.63	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	33709	7.13	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	135348	3.76	ng	0.00
29) Terphenyl-d14	19.76	244	189294	4.13	ng	0.00

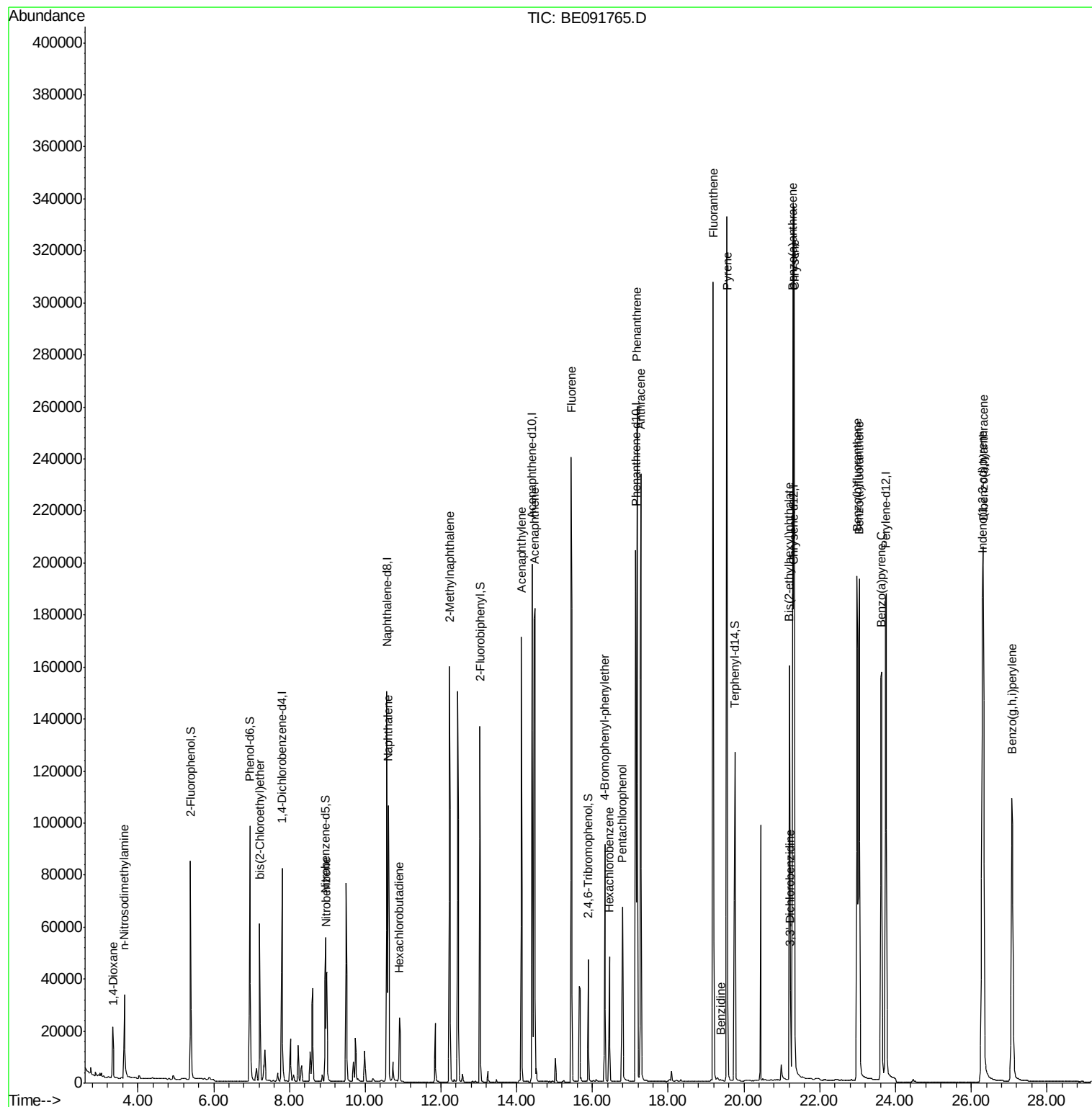
Target Compounds						Qvalue
2) 1,4-Dioxane	3.35	88	14263	2.73	ng	# 91
3) n-Nitrosodimethylamine	3.64	42	25562	3.18	ng	# 97
6) bis(2-Chloroethyl)ether	7.21	93	44061	3.48	ng	# 77
9) Nitrobenzene	8.98	77	54279	3.76	ng	92
10) Naphthalene	10.61	128	159239	3.69	ng	98
11) Hexachlorobutadiene	10.90	225	24245	3.80	ng	97
12) 2-Methylnaphthalene	12.22	142	115164	4.15	ng	96
16) Acenaphthylene	14.12	152	208489	4.26	ng	# 86
17) Acenaphthene	14.47	154	125410	3.95	ng	95
18) Fluorene	15.44	166	157238	3.99	ng	98
20) 4-Bromophenyl-phenylether	16.33	248	45014	4.28	ng	92
21) Hexachlorobenzene	16.45	284	44094	4.19	ng	99
22) Pentachlorophenol	16.79	266	45824	8.06	ng	88
23) Phenanthrene	17.18	178	267819	4.03	ng	99
24) Anthracene	17.28	178	262265	4.38	ng	98
25) Fluoranthene	19.19	202	304433	4.38	ng	# 97
27) Benzidine	19.38	184	1218	0.21	ng	# 69
28) Pyrene	19.55	202	327300	4.93	ng	99
30) Benzo(a)anthracene	21.29	228	288970	4.03	ng	91
31) 3,3'-Dichlorobenzidine	21.22	252	18970	0.52	ng	# 86
32) Chrysene	21.33	228	328361m	4.41	ng	
33) Bis(2-ethylhexyl)phthalate	21.20	149	193423	8.90	ng	# 88
34) Indeno(1,2,3-cd)pyrene	26.29	276	309829	4.67	ng	94
36) Benzo(b)fluoranthene	22.99	252	281136	4.02	ng	# 96
37) Benzo(k)fluoranthene	23.04	252	295865	4.17	ng	# 96
38) Benzo(a)pyrene	23.63	252	275020	4.18	ng	# 95
39) Dibenzo(a,h)anthracene	26.32	278	260818	4.18	ng	# 94
40) Benzo(g,h,i)perylene	27.08	276	263295	4.16	ng	# 94

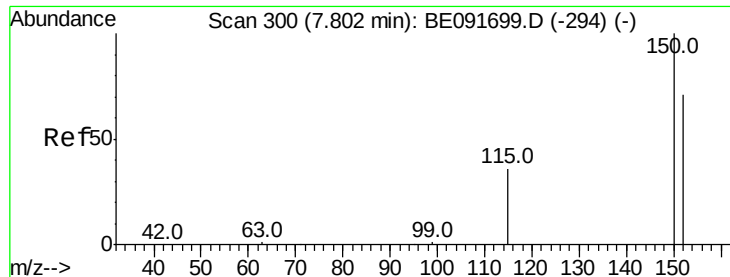
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.00 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MSD

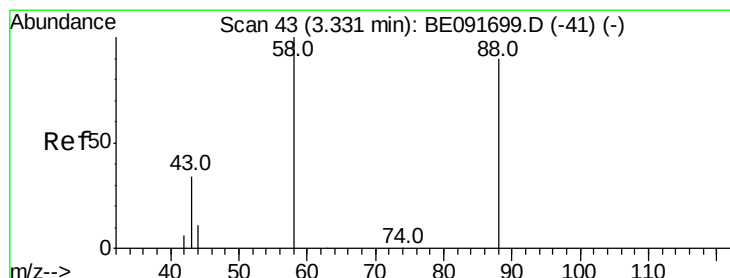
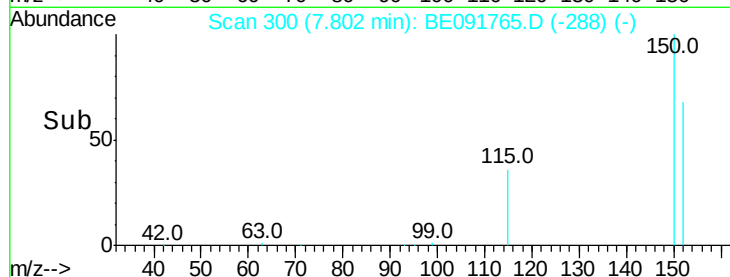
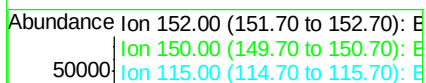
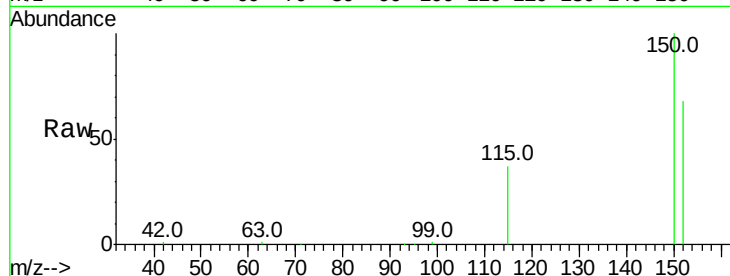
Tot Ion:152 Resp: 44235

Ion Ratio Lower Upper

152 100

150 147.7 122.6 183.8

115 54.0 52.8 79.2



#2

1,4-Dioxane

Concen: 2.73 ng

RT: 3.35 min Scan# 44

Delta R.T. 0.02 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

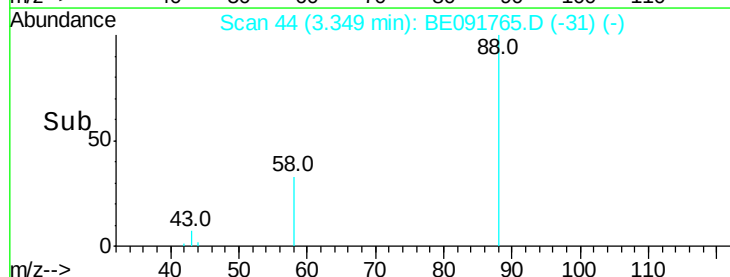
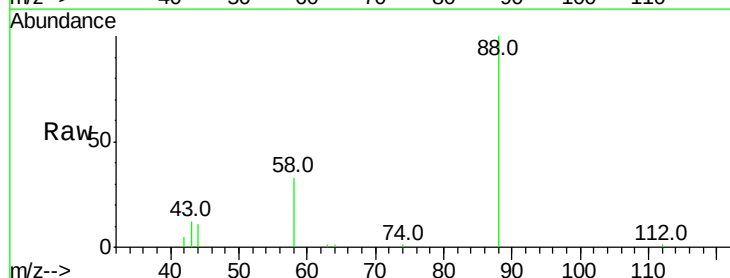
Tgt Ion: 88 Resp: 14263

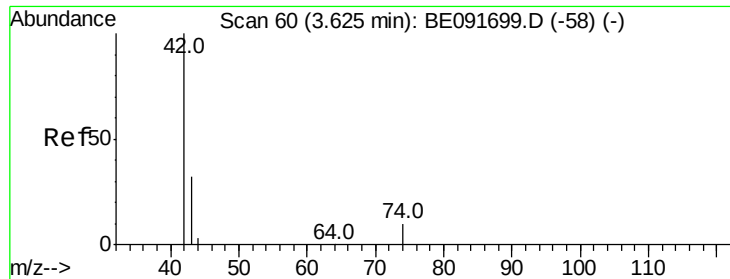
Ion Ratio Lower Upper

88 100

58 88.9 65.8 98.6

43 38.0 25.3 37.9#





#3

n-Nitrosodimethylamine

Concen: 3.18 ng

RT: 3.64 min Scan# 61

Delta R.T. 0.02 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MSD

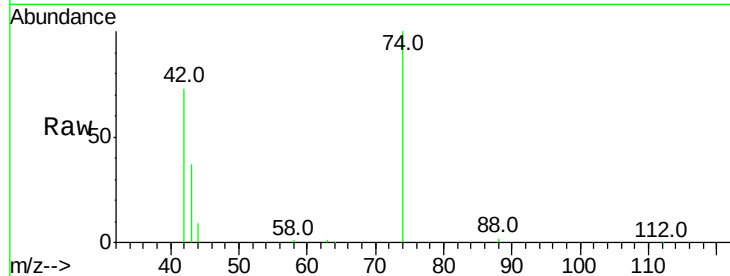
Tot Ion: 42 Resp: 25562

Ion Ratio Lower Upper

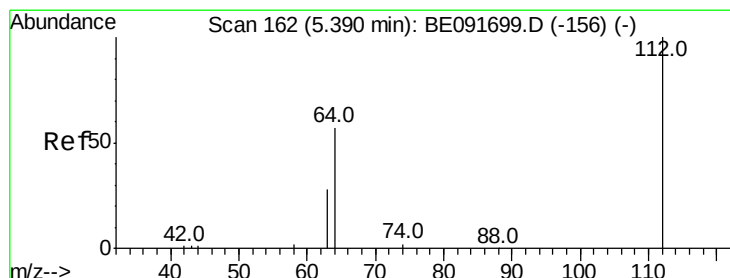
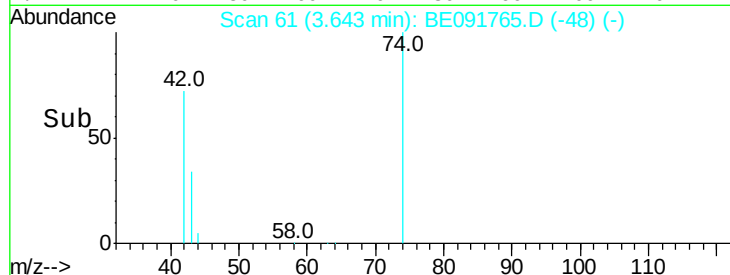
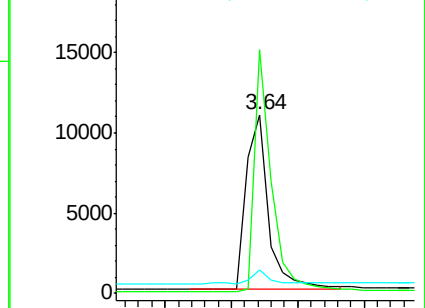
42 100

74 106.4 87.9 131.9

44 6.5 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: 6.08 ng

RT: 5.39 min Scan# 162

Delta R.T. -0.00 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

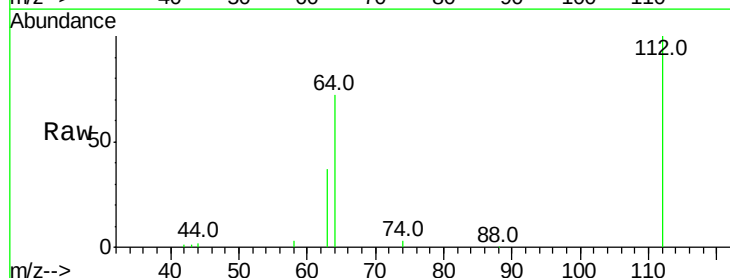
Tgt Ion: 112 Resp: 66097

Ion Ratio Lower Upper

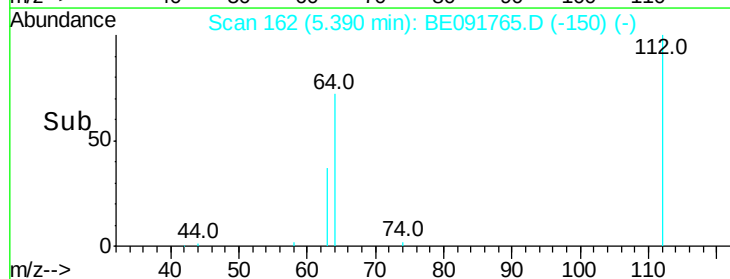
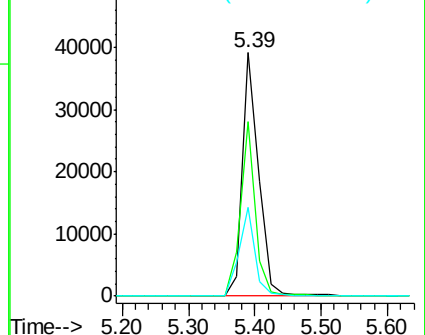
112 100

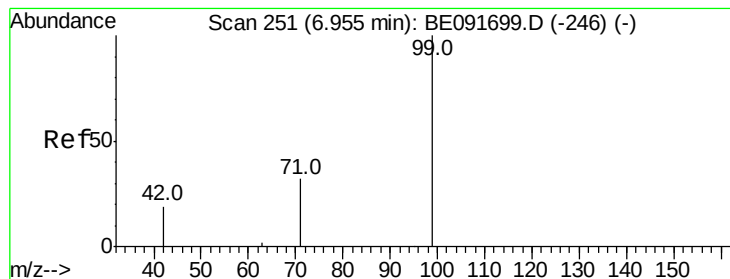
64 66.3 30.9 46.3#

63 35.5 16.7 25.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.26 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MSD

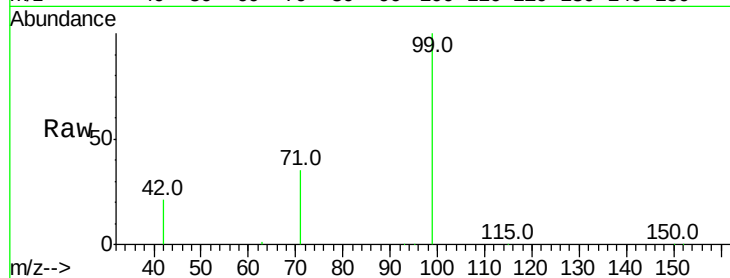
Tot Ion: 99 Resp: 104551

Ion Ratio Lower Upper

99 100

42 24.5 16.2 24.2#

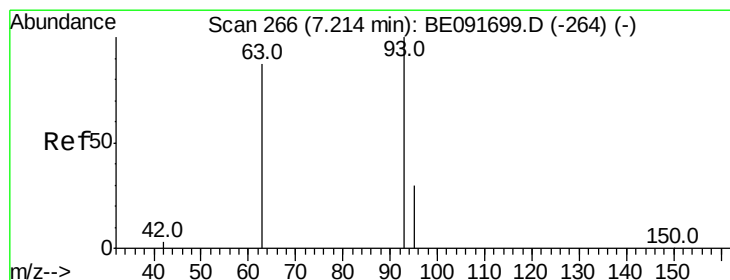
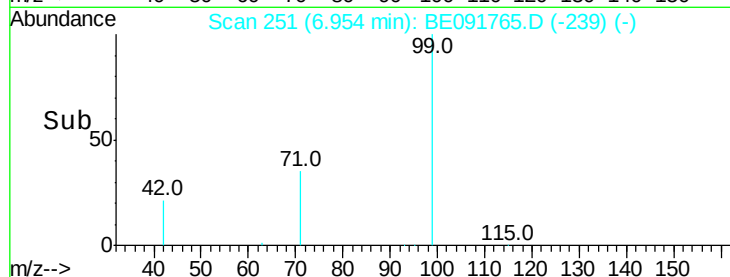
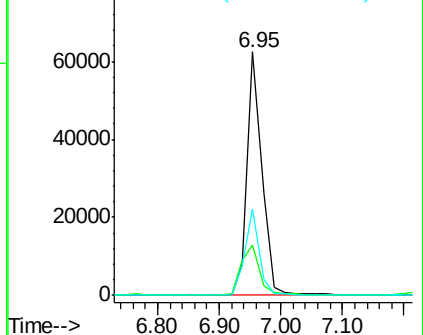
71 35.0 29.0 43.4



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: 3.48 ng

RT: 7.21 min Scan# 266

Delta R.T. -0.00 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

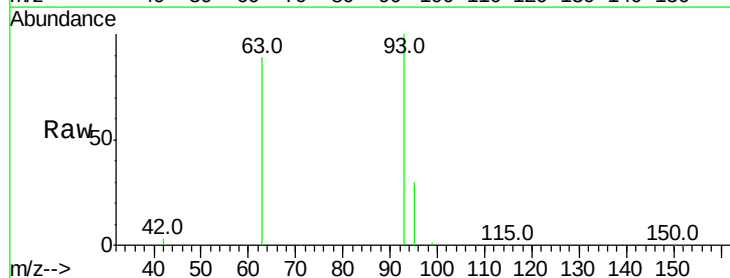
Tgt Ion: 93 Resp: 44061

Ion Ratio Lower Upper

93 100

63 84.3 49.5 74.3#

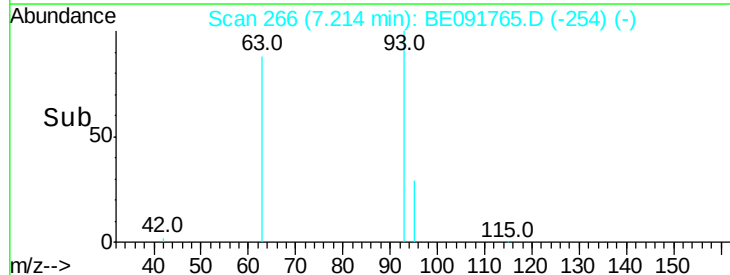
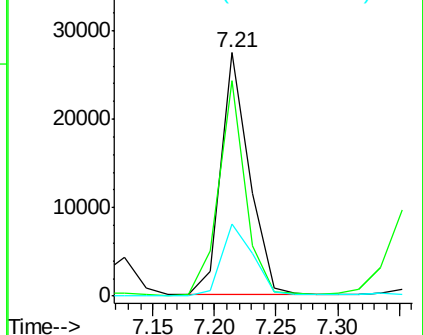
95 32.6 22.2 33.4

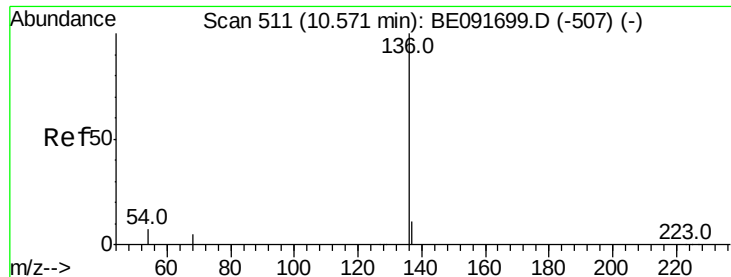


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE091765.D

Acq: 10 May 2016 20:31

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MSD

Tot Ion:136 Resp: 213736

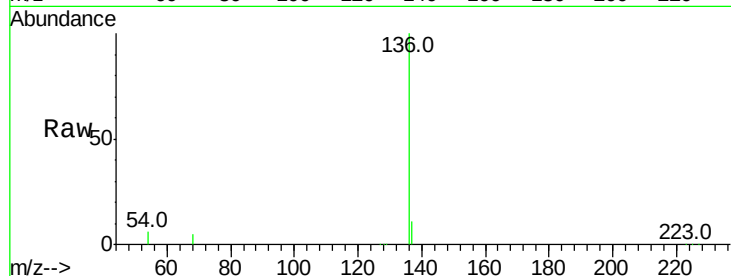
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 5.9 8.2 12.4#

68 4.6 6.2 9.4#

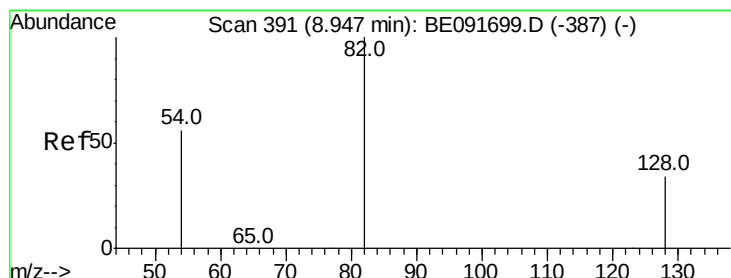
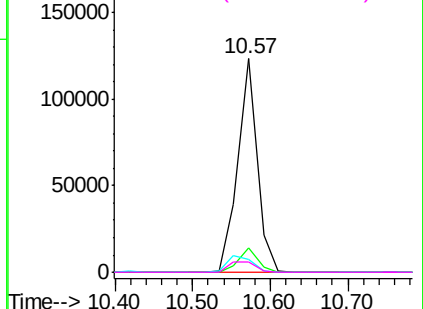
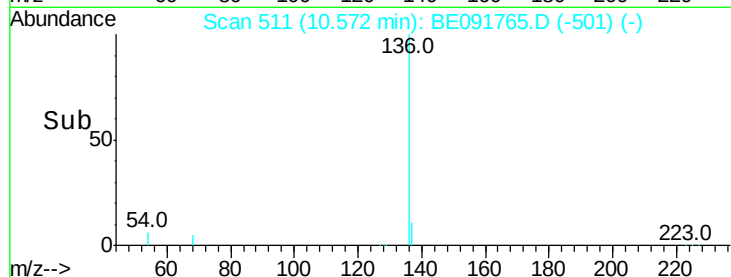


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.63 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

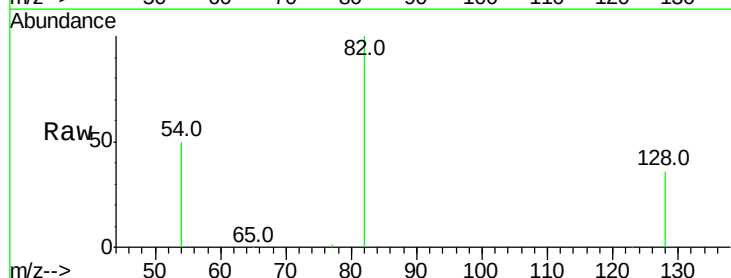
Tgt Ion: 82 Resp: 50099

Ion Ratio Lower Upper

82 100

128 36.4 25.4 38.0

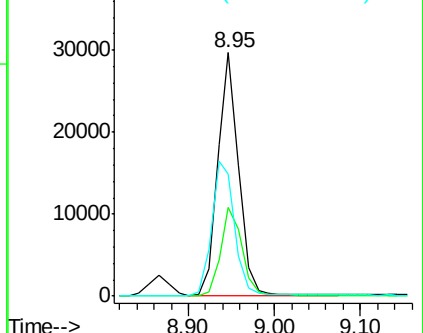
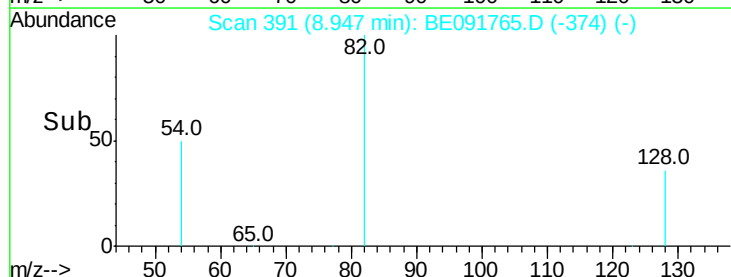
54 50.0 48.4 72.6

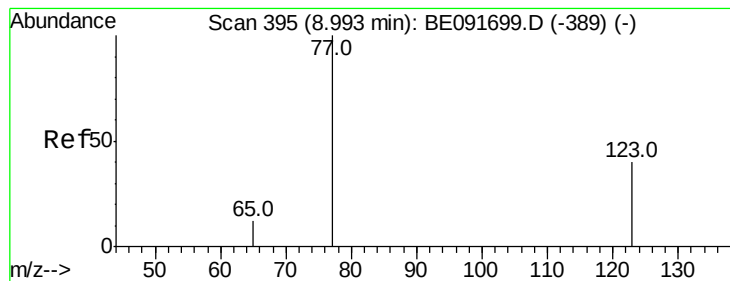


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 3.76 ng

RT: 8.98 min Scan# 394

Delta R.T. -0.01 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MSD

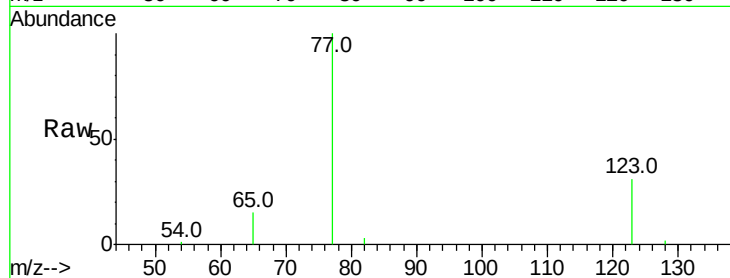
Tot Ion: 77 Resp: 54279

Ion Ratio Lower Upper

77 100

123 38.3 26.9 40.3

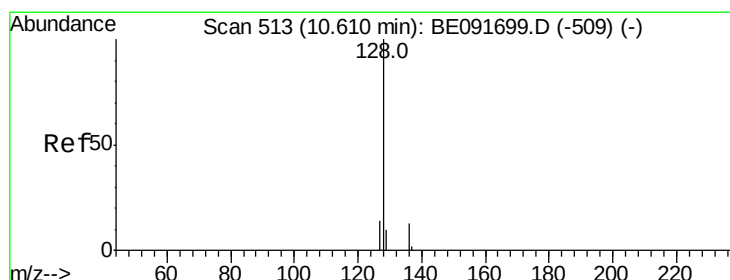
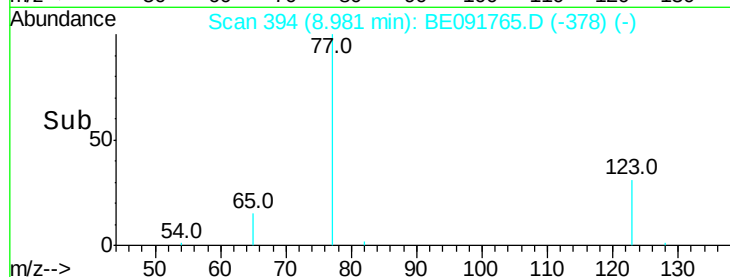
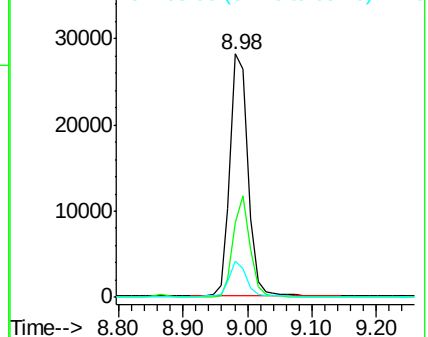
65 14.0 9.4 14.2



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) (-)



#10

Naphthalene

Concen: 3.69 ng

RT: 10.61 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

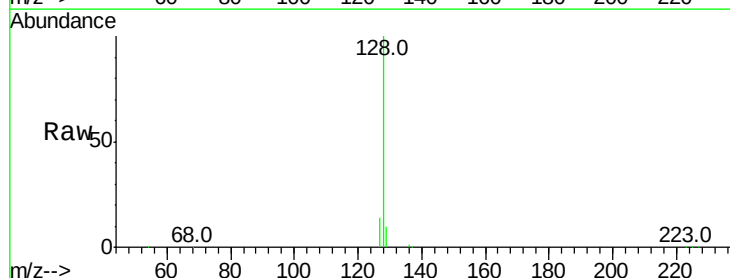
Tgt Ion: 128 Resp: 159239

Ion Ratio Lower Upper

128 100

129 10.3 9.3 13.9

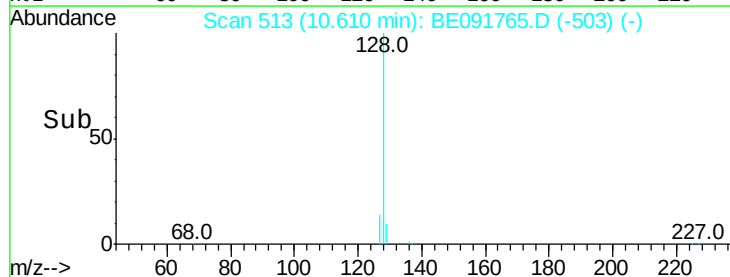
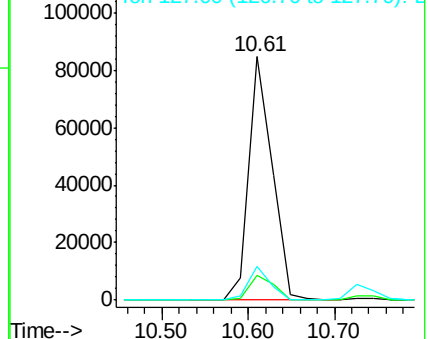
127 14.0 10.7 16.1

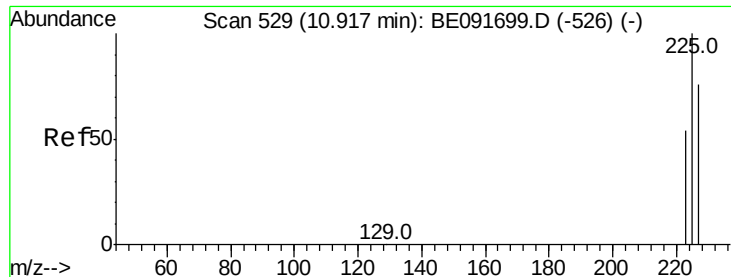


Abundance Ion 128.00 (127.70 to 128.70): BE091699.D (-509) (-)

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

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

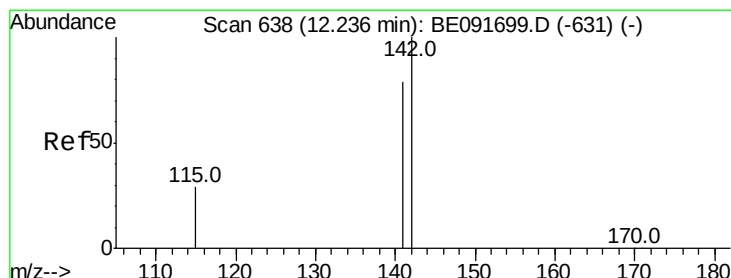
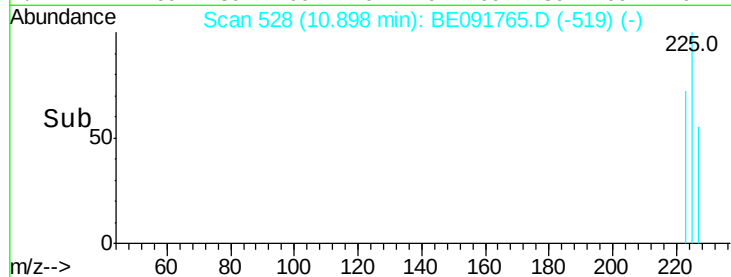
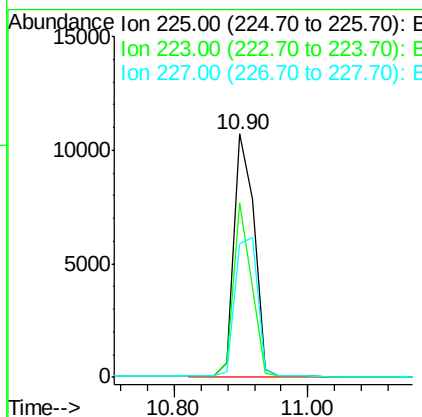
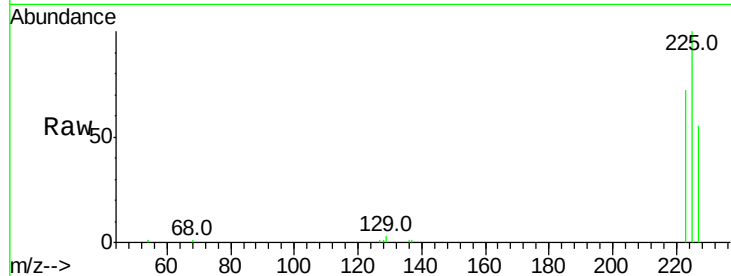




#11
Hexachlorobutadiene
Concen: 3.80 ng
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

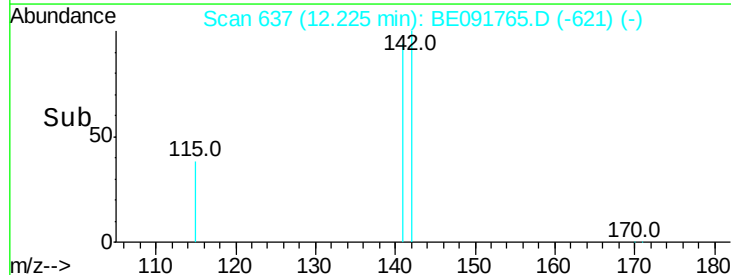
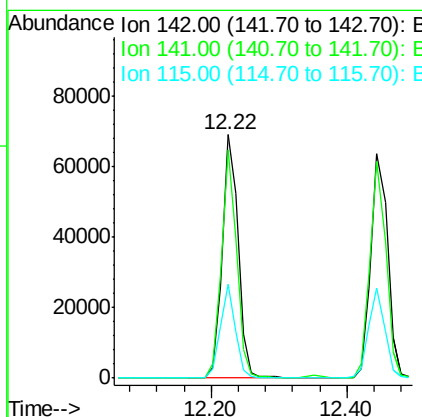
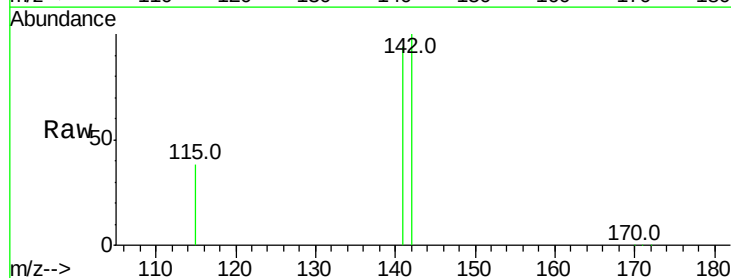
Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

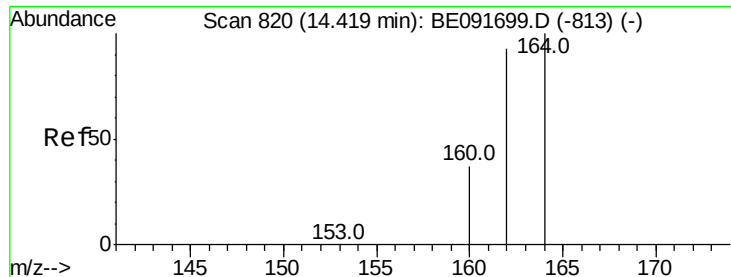
Tot Ion:225 Resp: 24245
Ion Ratio Lower Upper
225 100
223 64.3 49.0 73.6
227 65.2 50.3 75.5



#12
2-Methylnaphthalene
Concen: 4.15 ng
RT: 12.22 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:142 Resp: 115164
Ion Ratio Lower Upper
142 100
141 93.5 71.4 107.0
115 38.5 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: BE091765.D

Acq: 10 May 2016 20:31

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MSD

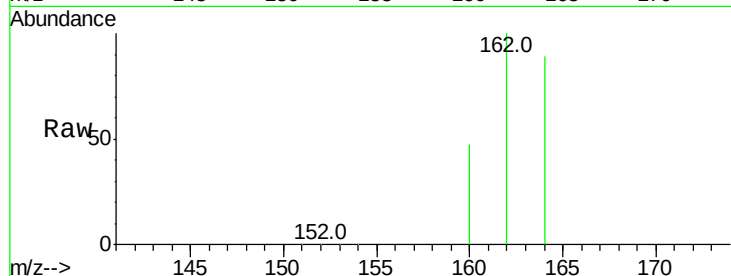
Tot Ion:164 Resp: 127245

Ion Ratio Lower Upper

164 100

162 112.4 85.3 127.9

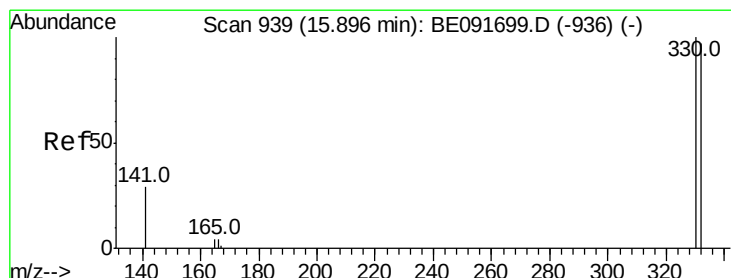
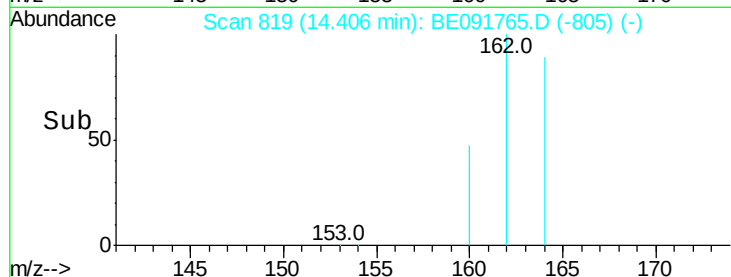
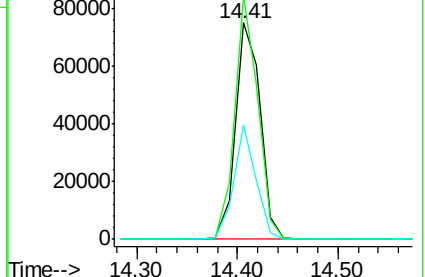
160 52.7 46.2 69.2



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: 7.13 ng

RT: 15.90 min Scan# 939

Delta R.T. -0.00 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

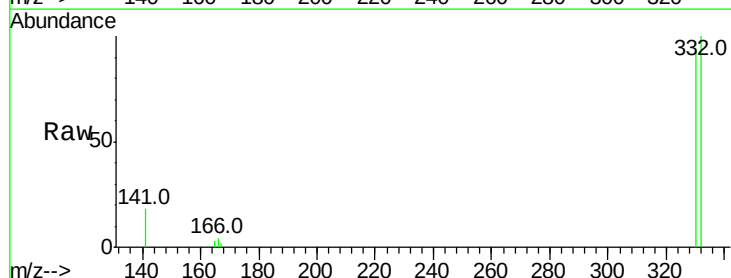
Tgt Ion:330 Resp: 33709

Ion Ratio Lower Upper

330 100

332 96.7 79.1 118.7

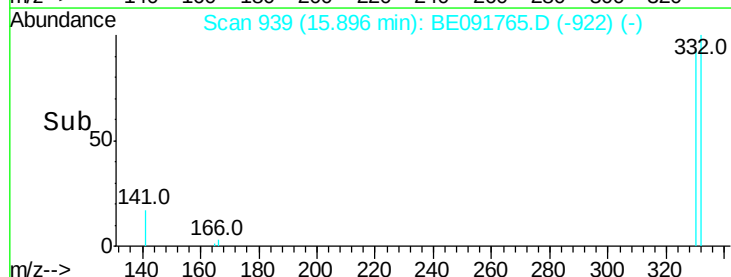
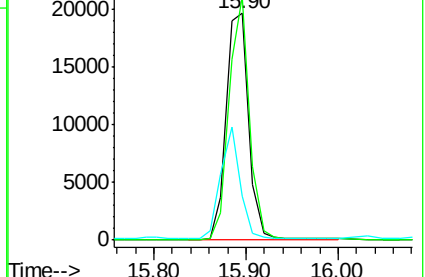
141 42.2 125.4 188.0#

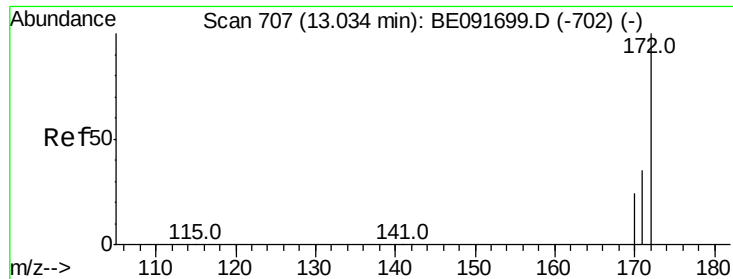


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

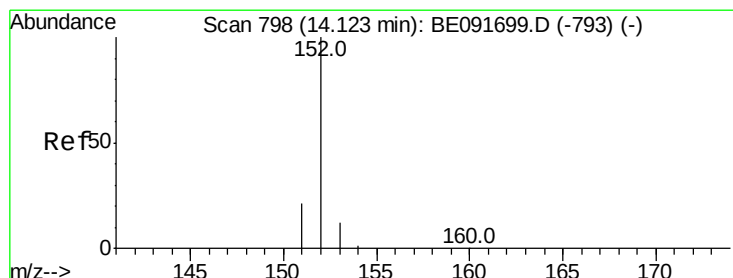
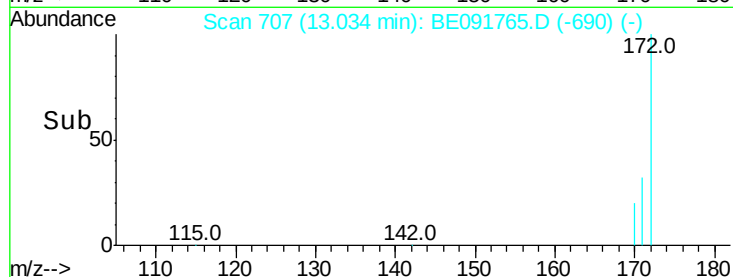
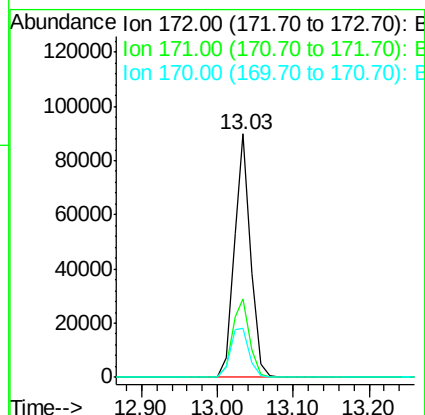
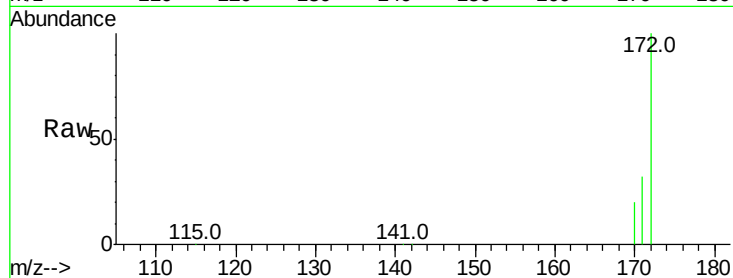




#15
2-Fluorobiphenyl
Concen: 3.76 ng
RT: 13.03 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

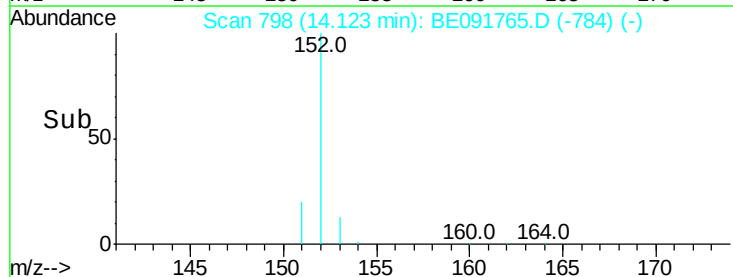
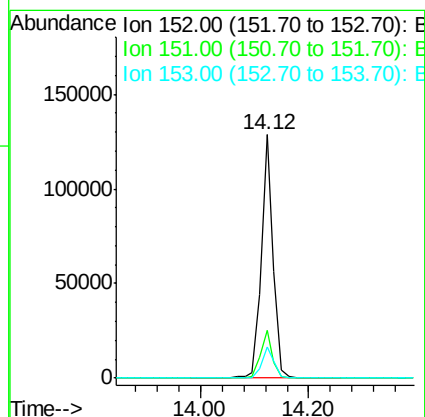
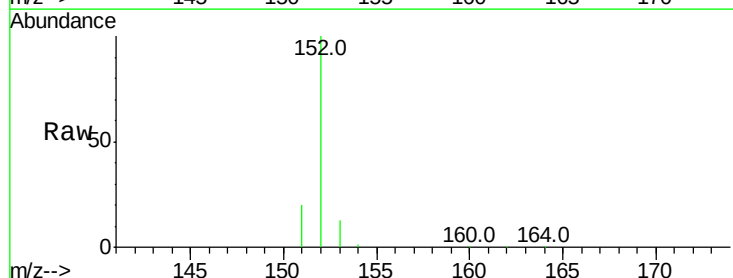
Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

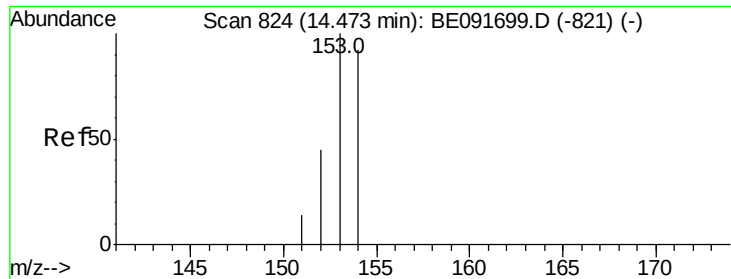
Tot Ion:172 Resp: 135348
Ion Ratio Lower Upper
172 100
171 32.1 28.8 43.2
170 20.2 19.3 28.9



#16
Acenaphthylene
Concen: 4.26 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:152 Resp: 208489
Ion Ratio Lower Upper
152 100
151 20.0 3.9 5.9#
153 13.5 10.3 15.5

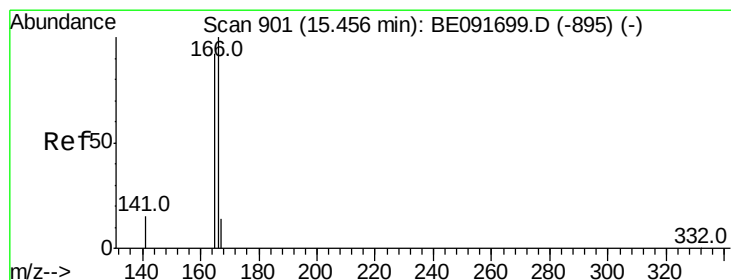
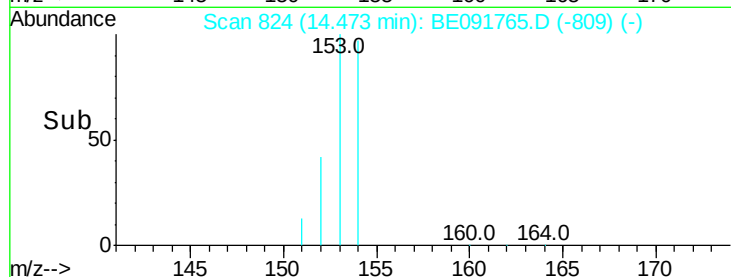
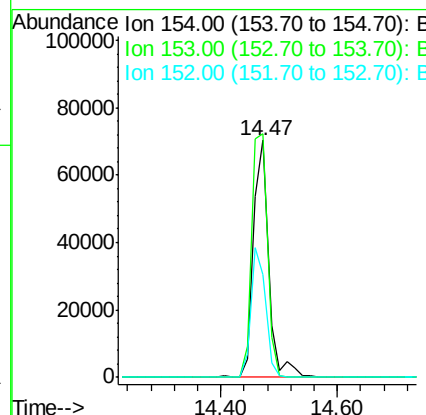
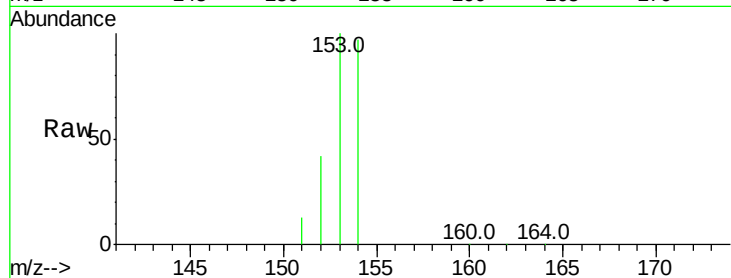




#17
Acenaphthene
Concen: 3.95 ng
RT: 14.47 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

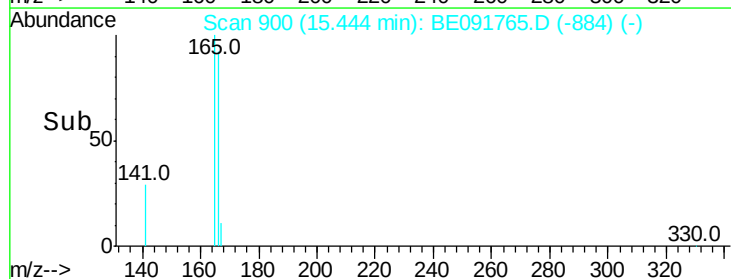
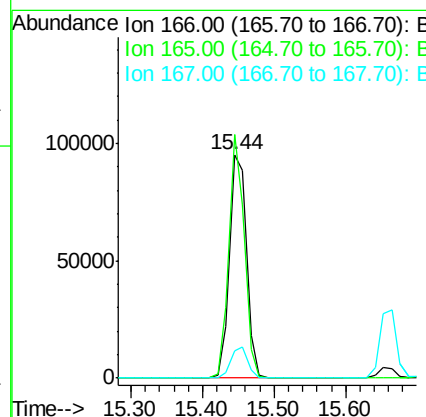
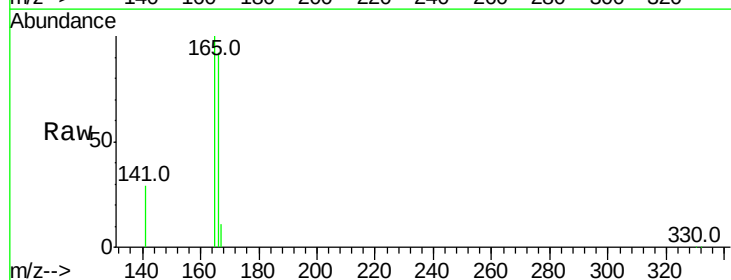
Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

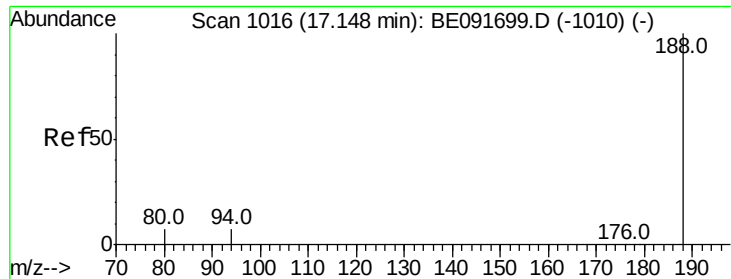
Tot Ion:154 Resp: 125410
Ion Ratio Lower Upper
154 100
153 106.3 80.0 120.0
152 51.8 40.0 60.0



#18
Fluorene
Concen: 3.99 ng
RT: 15.44 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:166 Resp: 157238
Ion Ratio Lower Upper
166 100
165 98.7 80.8 121.2
167 13.5 10.9 16.3

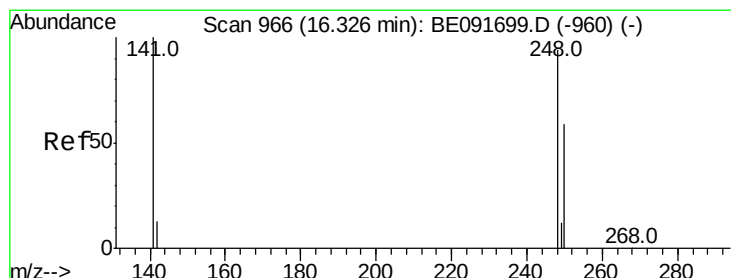
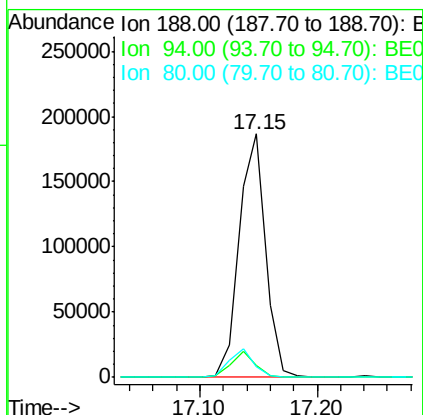
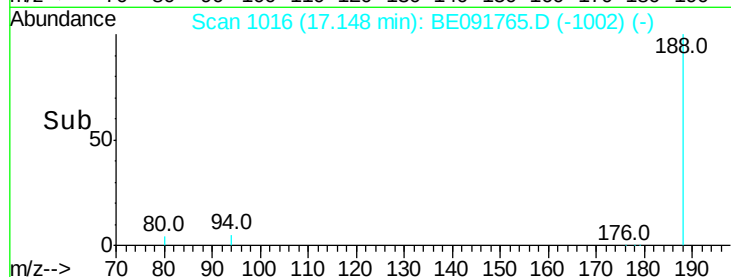
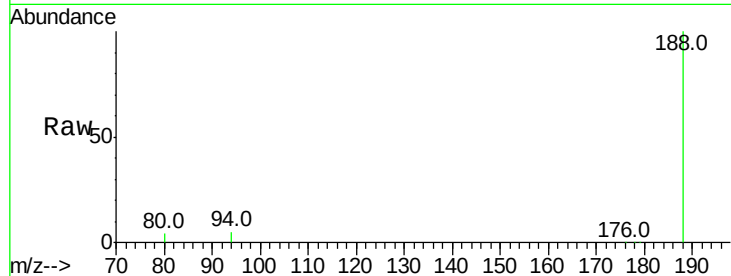




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

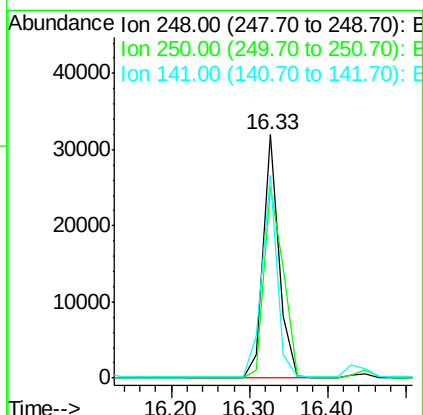
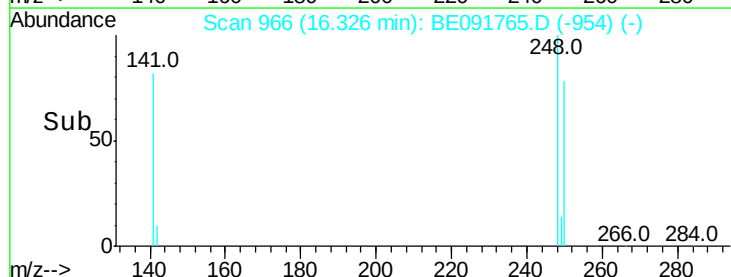
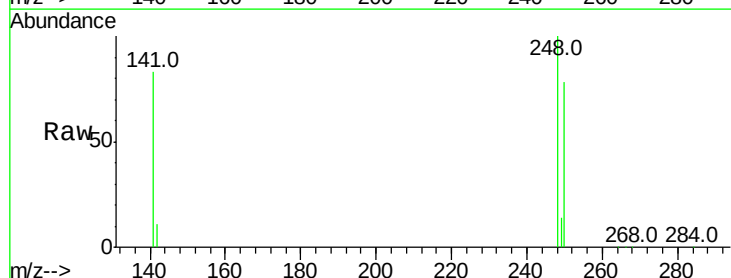
Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

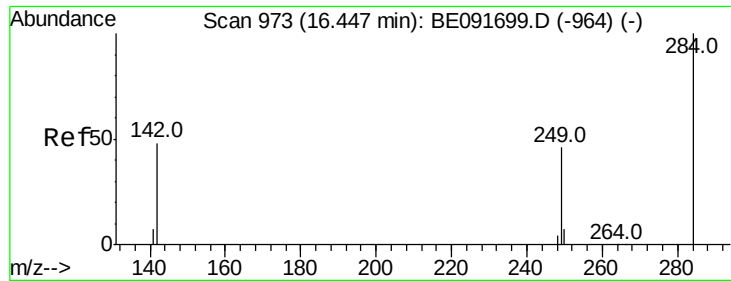
Tot Ion:188 Resp: 292335
Ion Ratio Lower Upper
188 100
94 5.0 8.7 13.1#
80 4.3 9.4 14.0#



#20
4-Bromophenyl-phenylether
Concen: 4.28 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:248 Resp: 45014
Ion Ratio Lower Upper
248 100
250 94.7 80.5 120.7
141 81.0 72.0 108.0

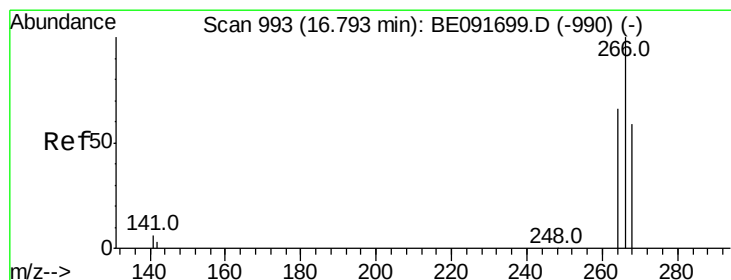
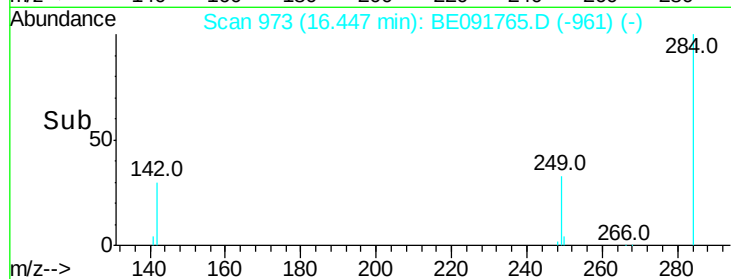
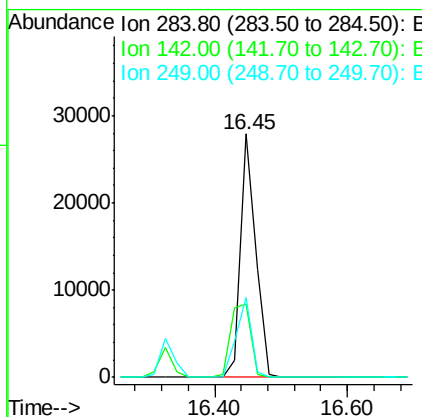
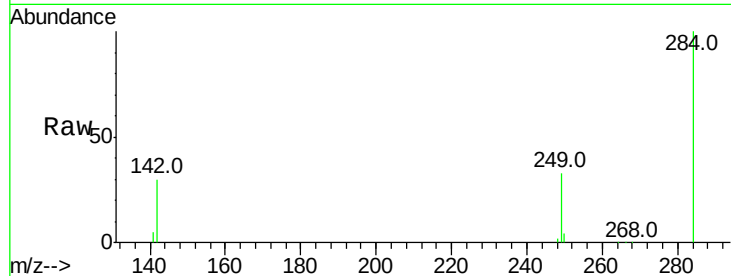




#21
Hexachlorobenzene
Concen: 4.19 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

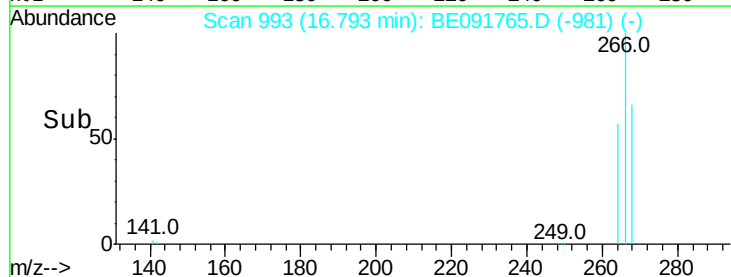
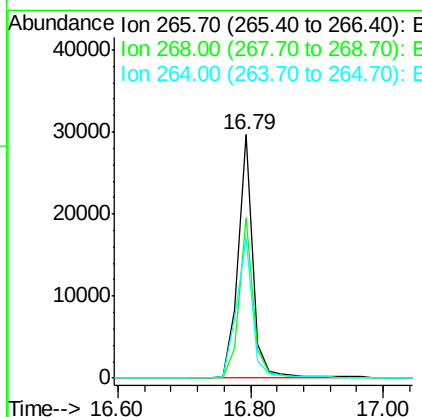
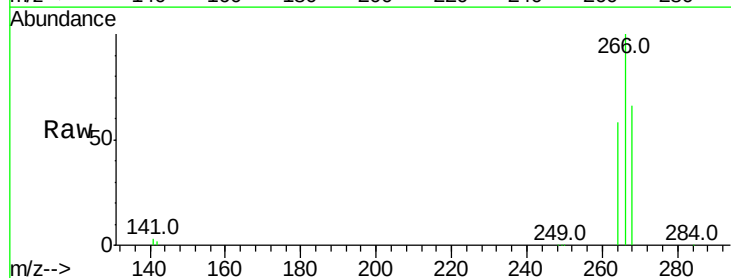
Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

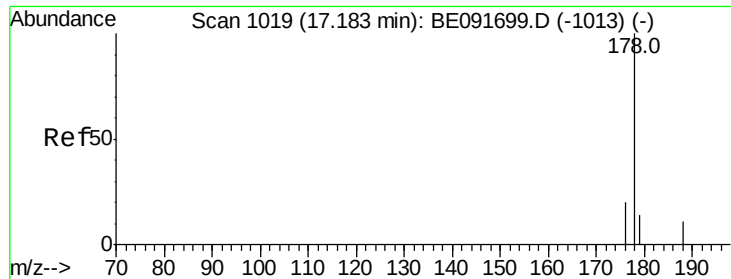
Tot Ion:284 Resp: 44094
Ion Ratio Lower Upper
284 100
142 39.4 32.2 48.2
249 32.6 25.4 38.2



#22
Pentachlorophenol
Concen: 8.06 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:266 Resp: 45824
Ion Ratio Lower Upper
266 100
268 65.6 58.2 87.2
264 57.5 56.2 84.4





#23

Phenanthrene

Concen: 4.03 ng

RT: 17.18 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MSD

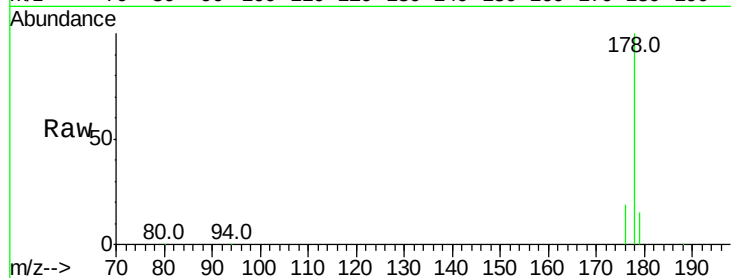
Tot Ion:178 Resp: 267819

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

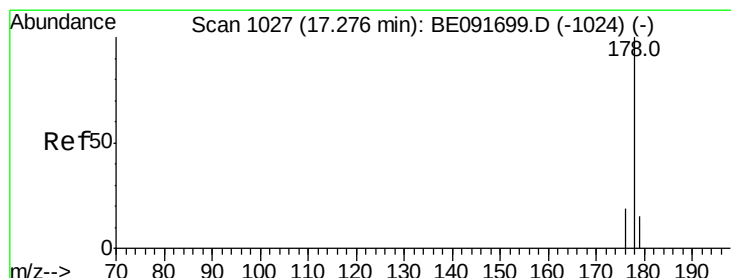
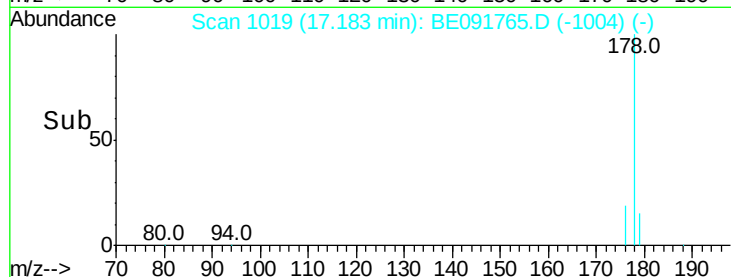
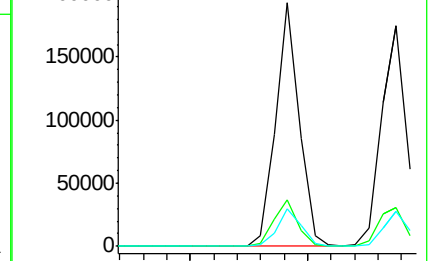
179 15.4 12.6 18.8



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: 4.38 ng

RT: 17.28 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

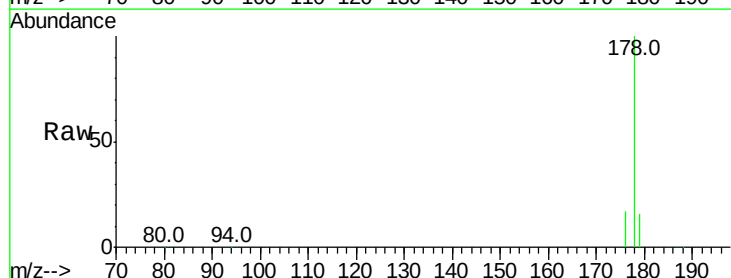
Tgt Ion:178 Resp: 262265

Ion Ratio Lower Upper

178 100

176 18.8 14.6 21.8

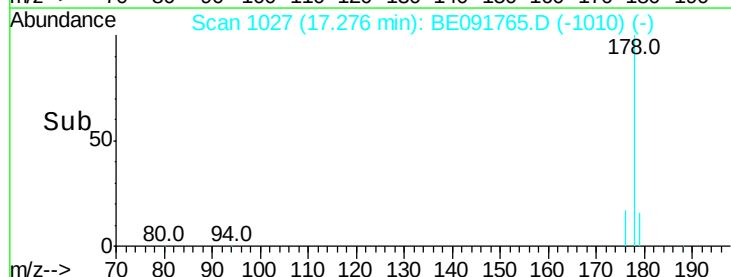
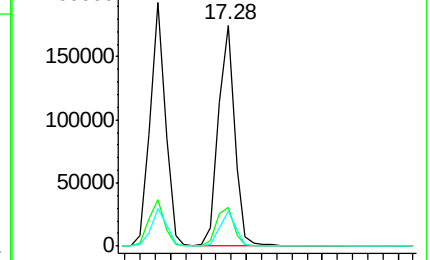
179 15.4 11.8 17.6

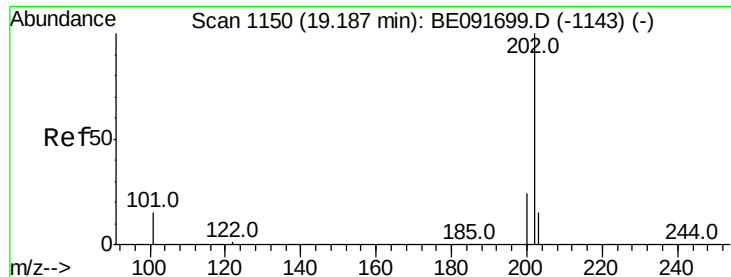


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 4.38 ng

RT: 19.19 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MSD

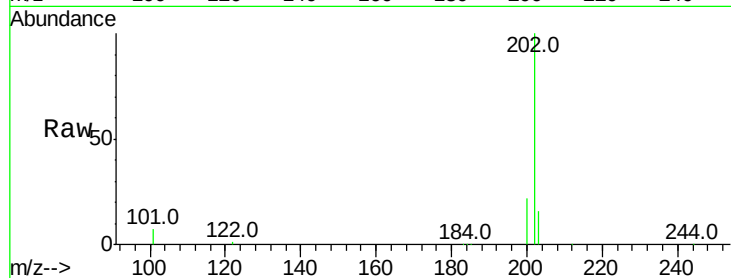
Tot Ion:202 Resp: 304433

Ion Ratio Lower Upper

202 100

101 10.6 11.0 16.6#

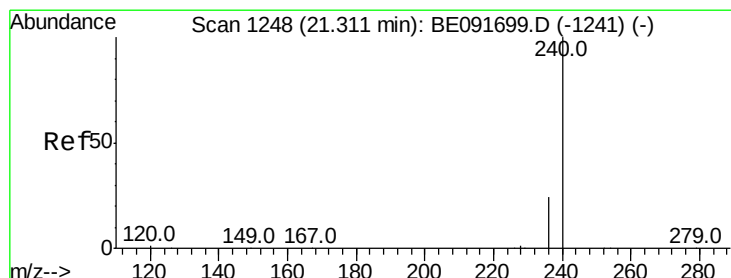
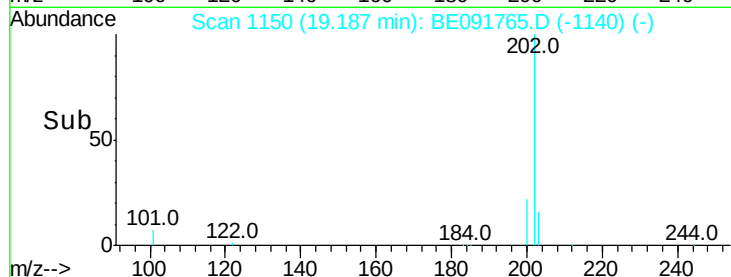
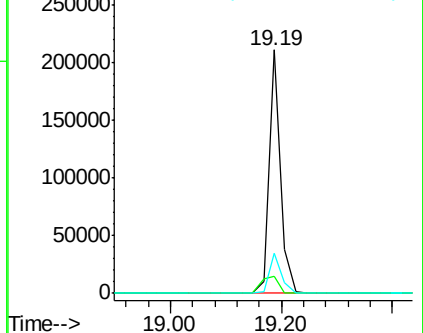
203 17.4 13.9 20.9



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# 1248

Delta R.T. -0.00 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

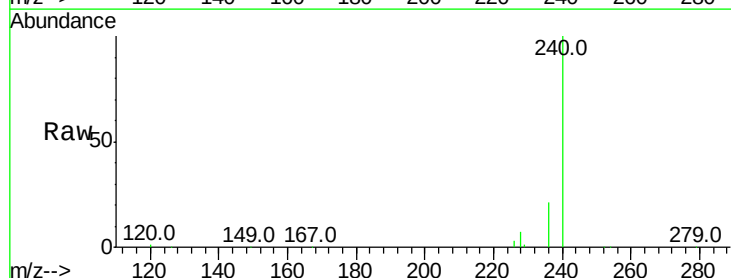
Tgt Ion:240 Resp: 293597

Ion Ratio Lower Upper

240 100

120 0.8 11.0 16.4#

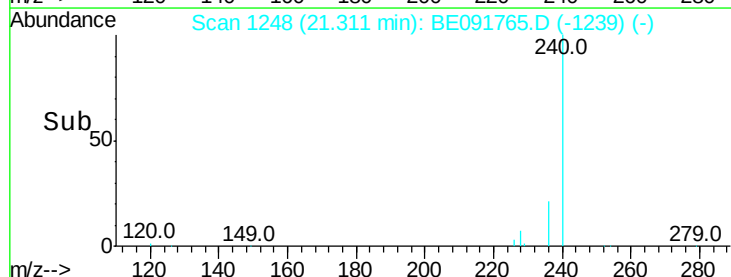
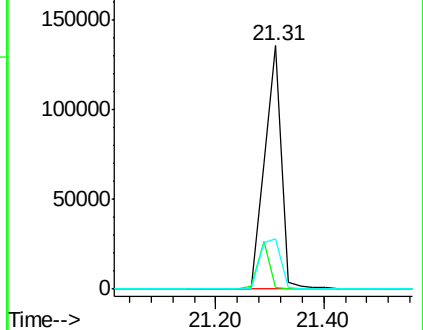
236 20.8 21.7 32.5#

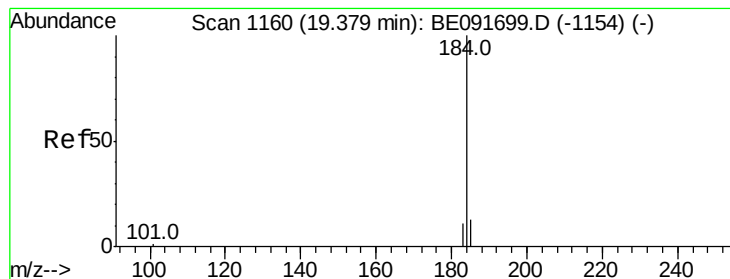


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.21 ng

RT: 19.38 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MSD

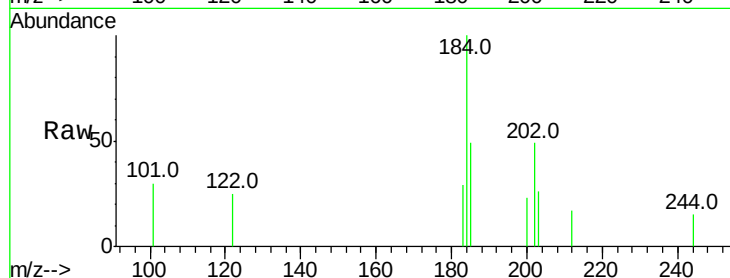
Tot Ion:184 Resp: 1218

Ion Ratio Lower Upper

184 100

185 49.4 22.3 33.5#

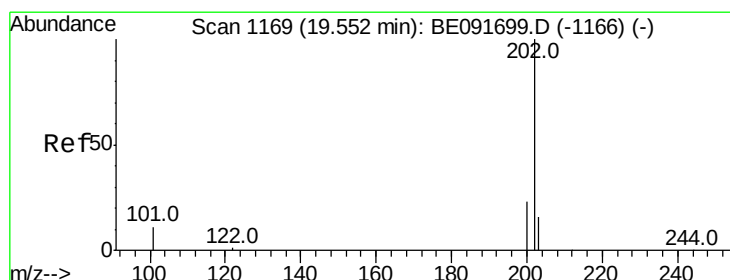
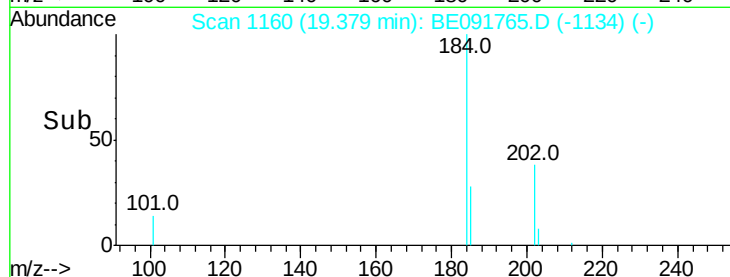
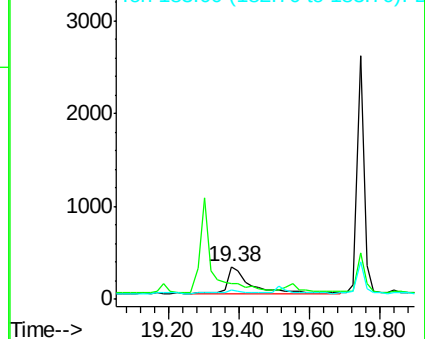
183 28.9 16.4 24.6#



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: 4.93 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

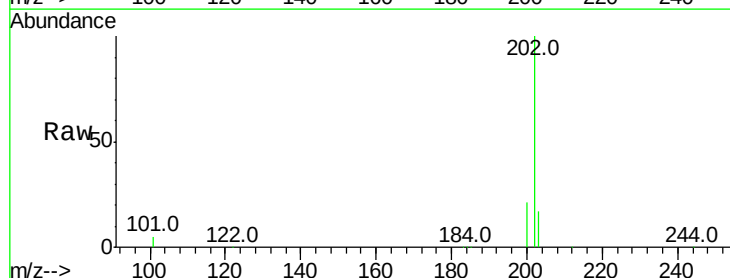
Tgt Ion:202 Resp: 327300

Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

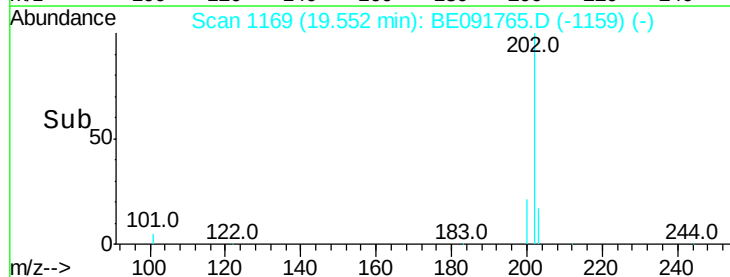
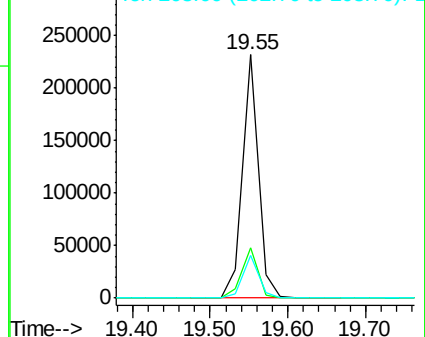
203 18.1 14.0 21.0

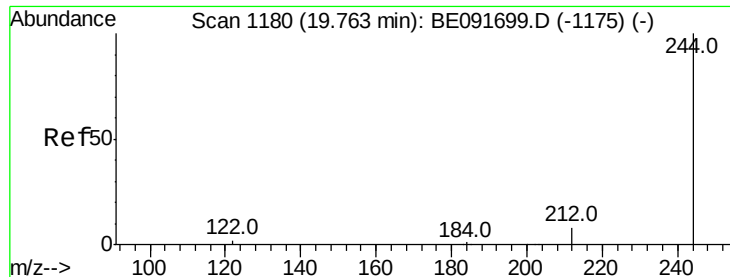


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.13 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MSD

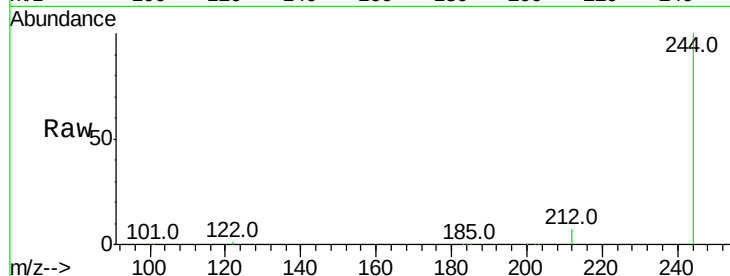
Tot Ion:244 Resp: 189294

Ion Ratio Lower Upper

244 100

212 6.5 6.9 10.3#

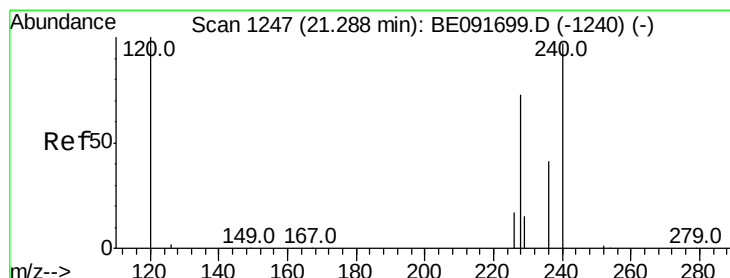
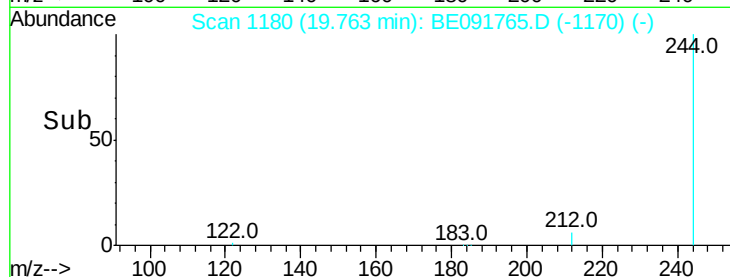
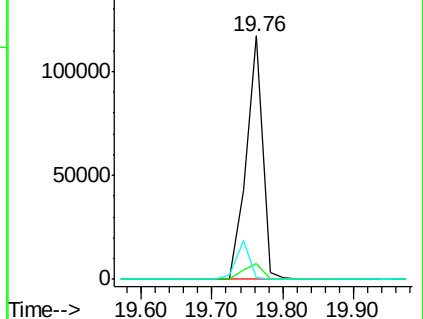
122 0.8 11.0 16.4#



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: 4.03 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

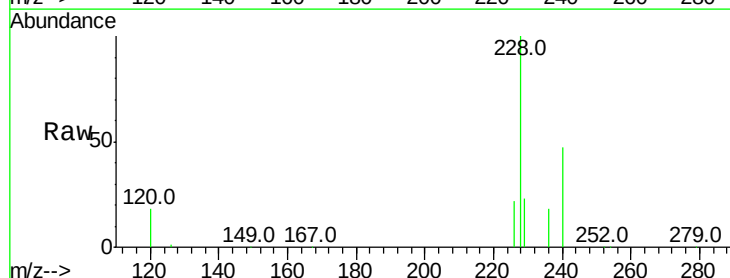
Tgt Ion:228 Resp: 288970

Ion Ratio Lower Upper

228 100

226 21.5 21.0 31.4

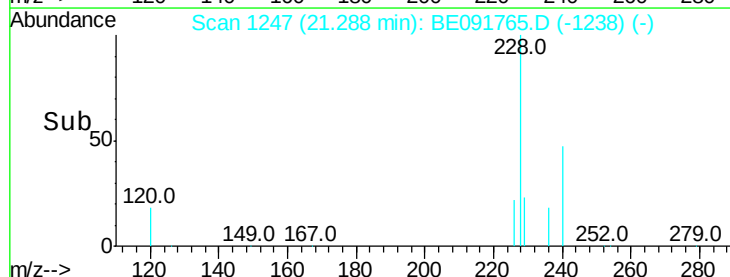
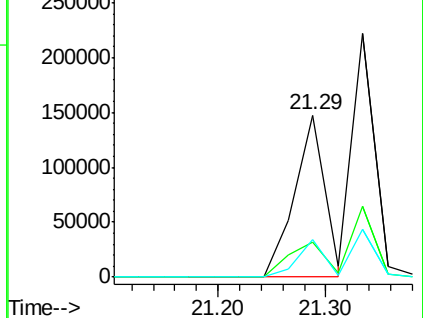
229 23.4 15.7 23.5

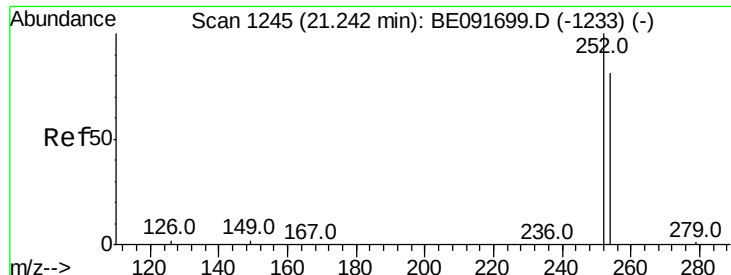


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

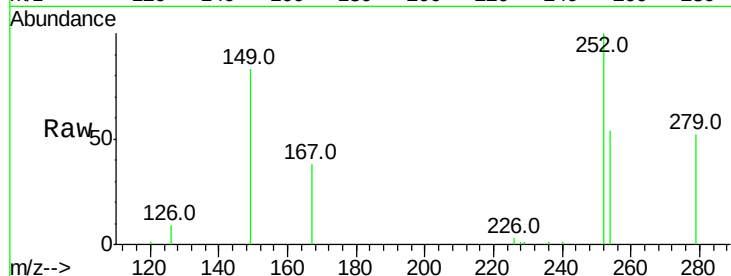




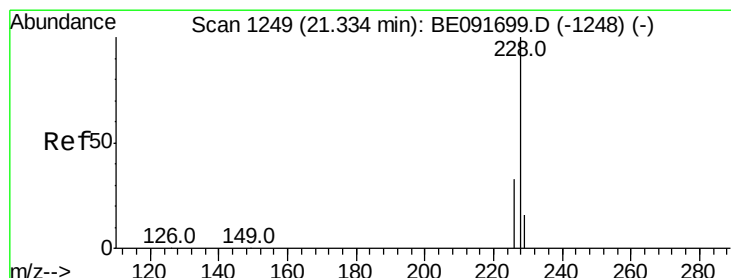
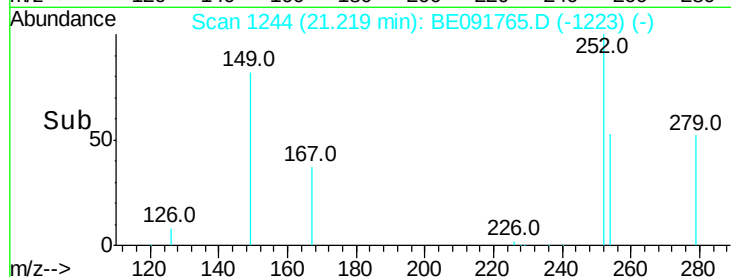
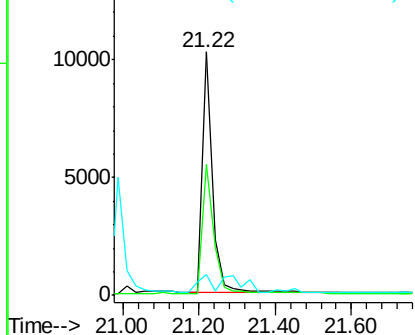
#31
 3,3'-Dichlorobenzidine
 Concen: 0.52 ng
 RT: 21.22 min Scan# 1244
 Delta R.T. -0.02 min
 Lab File: BE091765.D
 Acq: 10 May 2016 20:31

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

Tot Ion:252 Resp: 18970
 Ion Ratio Lower Upper
 252 100
 254 53.5 51.1 76.7
 126 8.8 12.6 18.8#

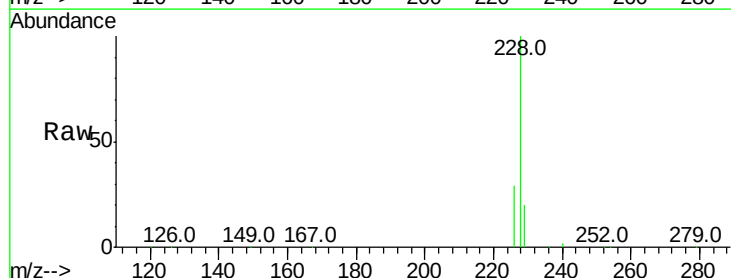


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

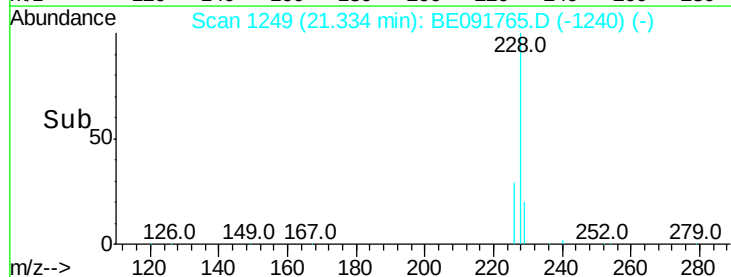
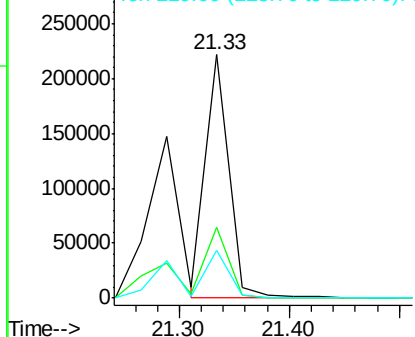


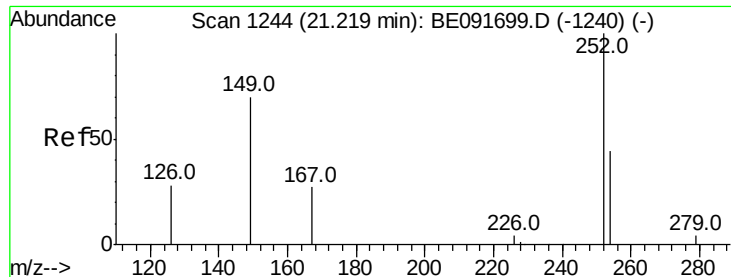
#32
 Chrysene
 Concen: 4.41 ng m
 RT: 21.33 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: BE091765.D
 Acq: 10 May 2016 20:31

Tgt Ion:228 Resp: 328361
 Ion Ratio Lower Upper
 228 100
 226 29.0 24.0 36.0
 229 19.8 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

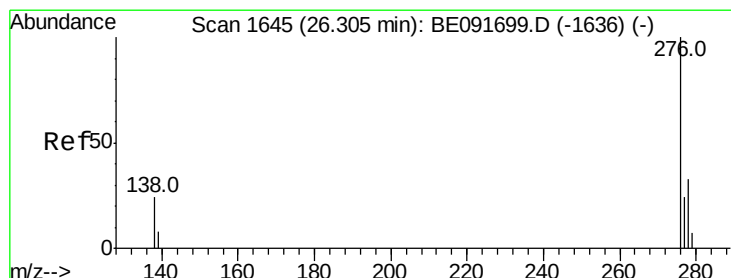
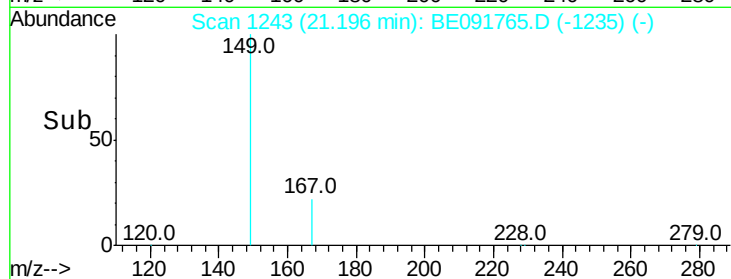
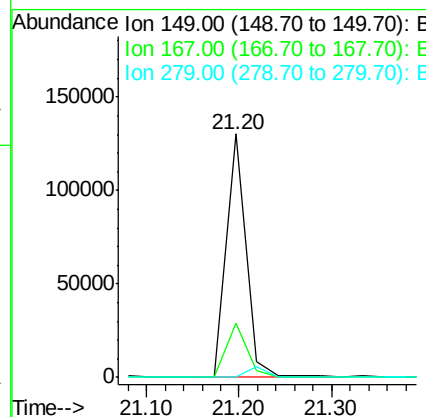
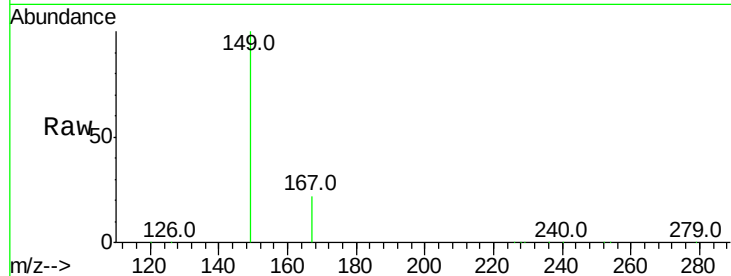




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 8.90 ng
 RT: 21.20 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: BE091765.D
 Acq: 10 May 2016 20:31

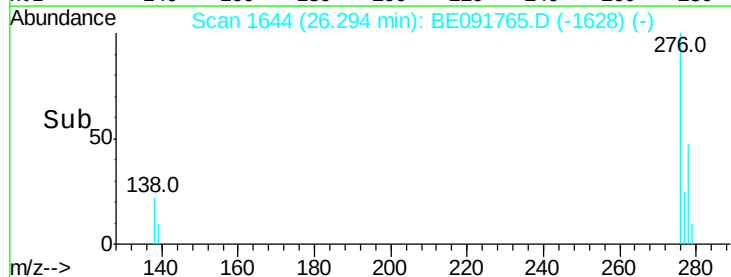
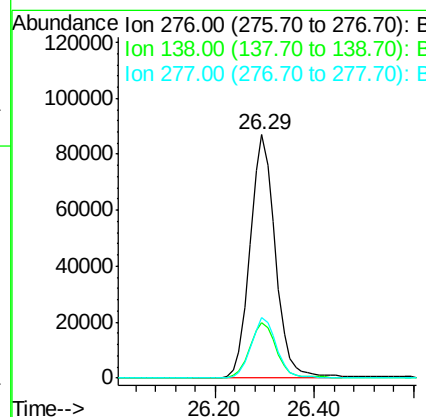
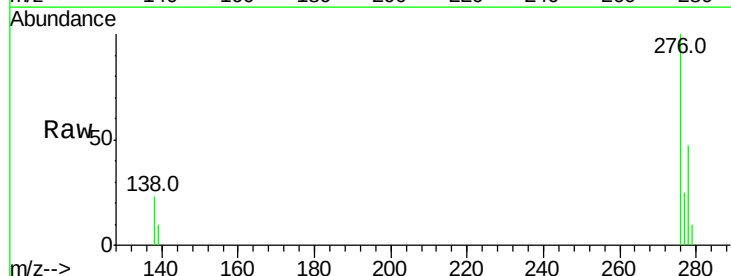
Instrument :
 BNA_E
 ClientSampleId :
 CEDAR-HILL-TF-PS-003MSD

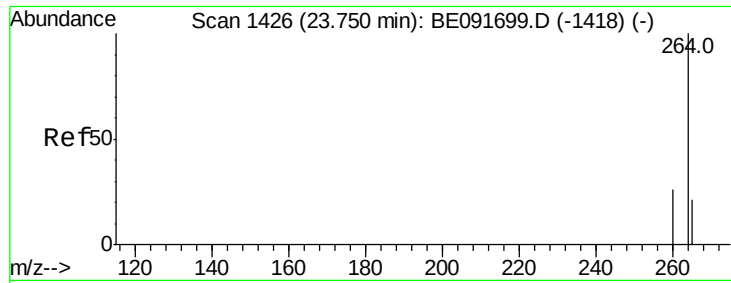
Tot Ion:149 Resp: 193423
 Ion Ratio Lower Upper
 149 100
 167 23.4 19.5 29.3
 279 0.0 10.0 15.0#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 4.67 ng
 RT: 26.29 min Scan# 1644
 Delta R.T. -0.01 min
 Lab File: BE091765.D
 Acq: 10 May 2016 20:31

Tgt Ion:276 Resp: 309829
 Ion Ratio Lower Upper
 276 100
 138 24.0 23.4 35.2
 277 25.0 19.8 29.8

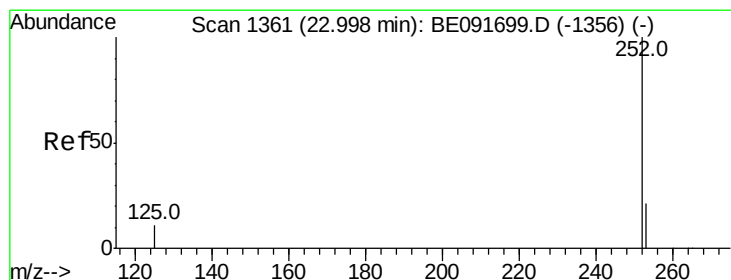
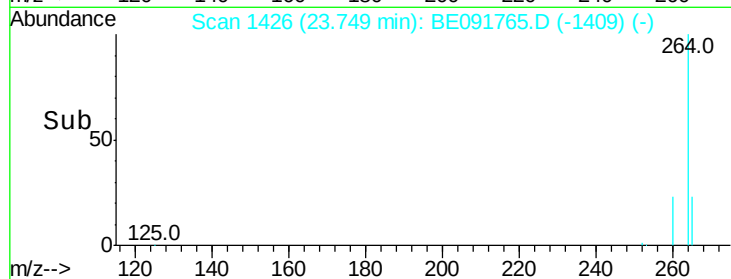
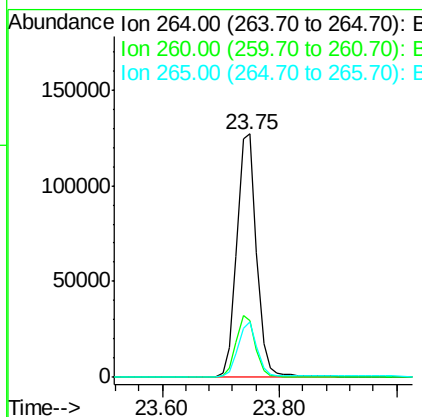
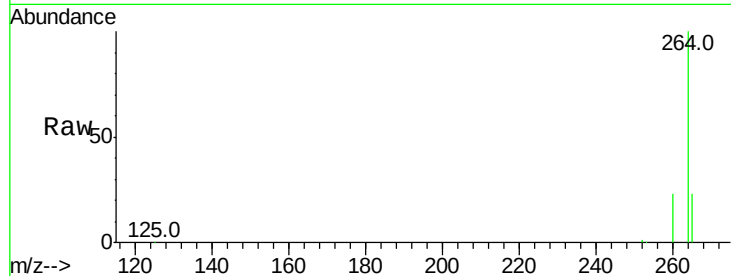




#35
Pervlene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

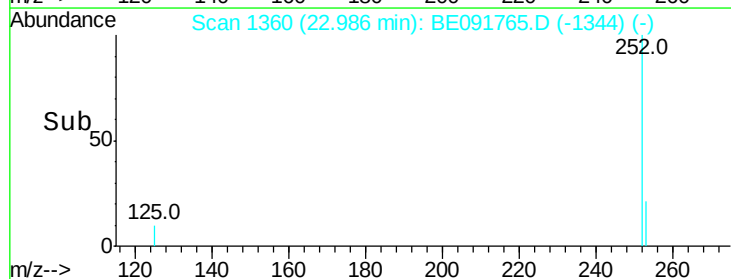
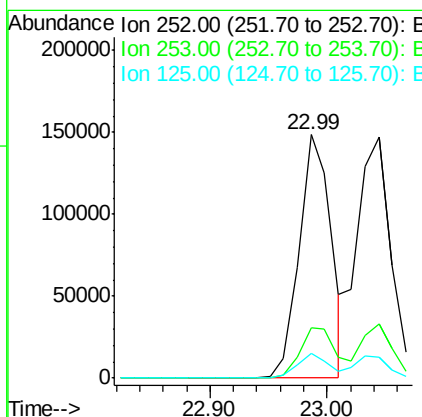
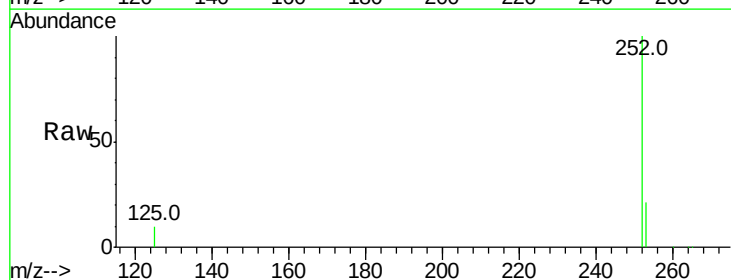
Instrument :
BNA_E
ClientSampleId :
CEDAR-HILL-TF-PS-003MSD

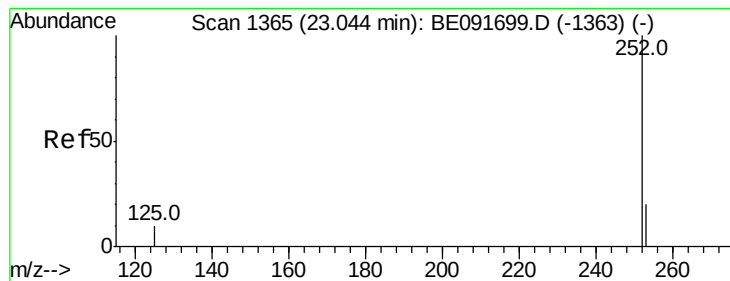
Tot Ion:264 Resp: 298207
Ion Ratio Lower Upper
264 100
260 23.3 20.0 30.0
265 23.0 17.5 26.3



#36
Benzo(b)fluoranthene
Concen: 4.02 ng
RT: 22.99 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BE091765.D
Acq: 10 May 2016 20:31

Tgt Ion:252 Resp: 281136
Ion Ratio Lower Upper
252 100
253 20.8 17.4 26.0
125 9.9 10.2 15.2#





#37

Benzo(k)fluoranthene

Concen: 4.17 ng

RT: 23.04 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MSD

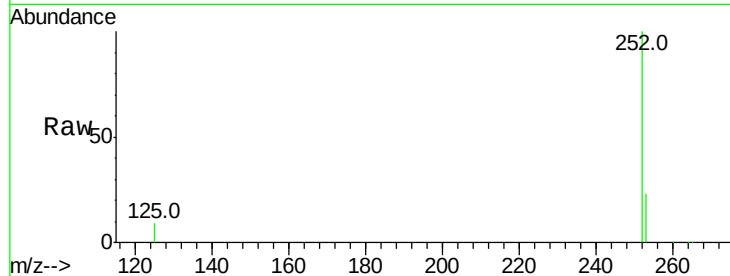
Tot Ion:252 Resp: 295865

Ion Ratio Lower Upper

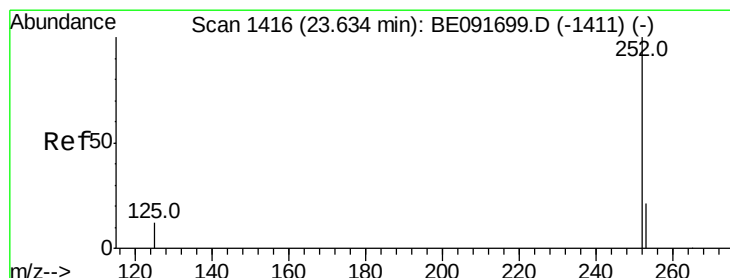
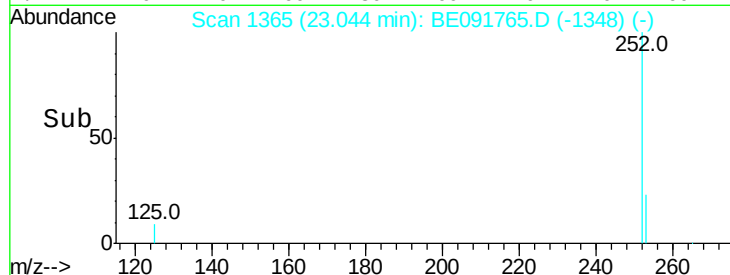
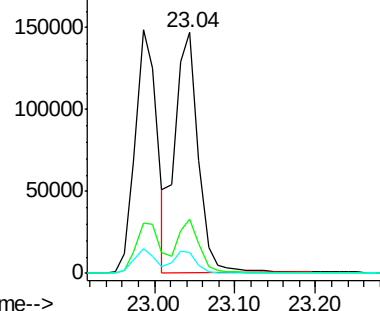
252 100

253 22.7 17.6 26.4

125 8.9 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: 4.18 ng

RT: 23.63 min Scan# 1416

Delta R.T. -0.00 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

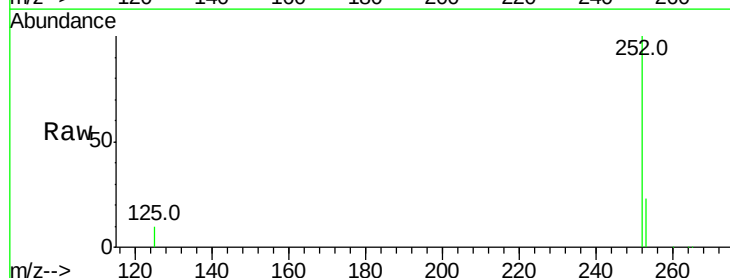
Tgt Ion:252 Resp: 275020

Ion Ratio Lower Upper

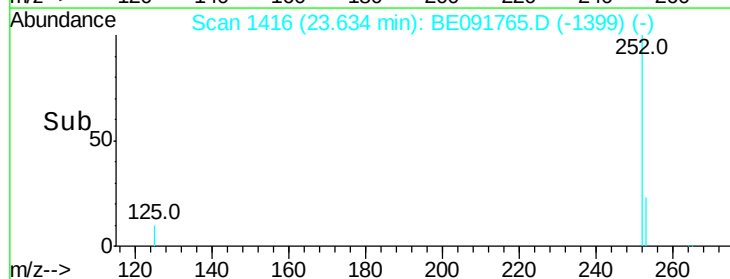
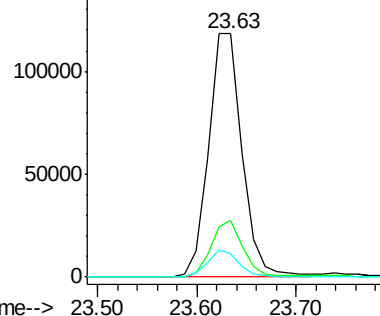
252 100

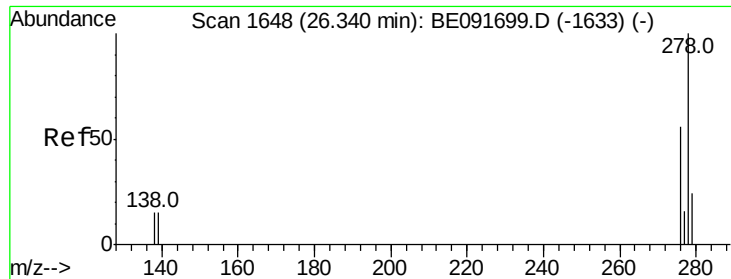
253 23.3 18.1 27.1

125 9.7 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: 4.18 ng

RT: 26.32 min Scan# 1646

Delta R.T. -0.02 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

Instrument :

BNA_E

ClientSampleId :

CEDAR-HILL-TF-PS-003MSD

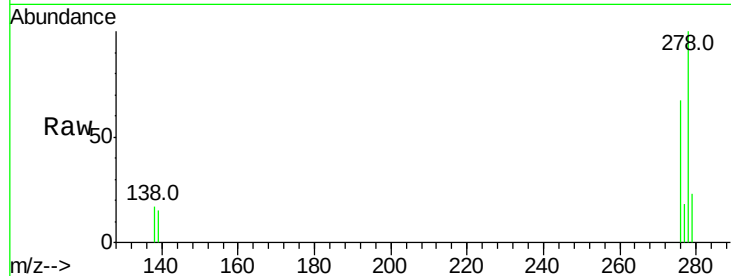
Tot Ion:278 Resp: 260818

Ion Ratio Lower Upper

278 100

139 14.8 16.0 24.0#

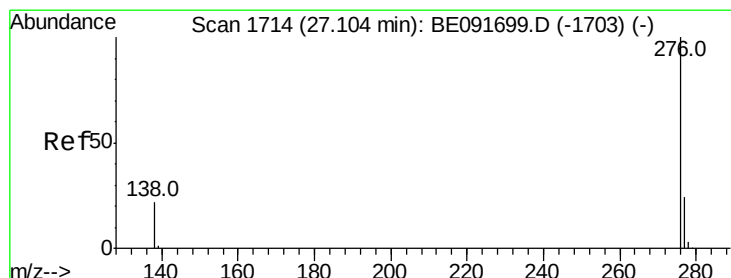
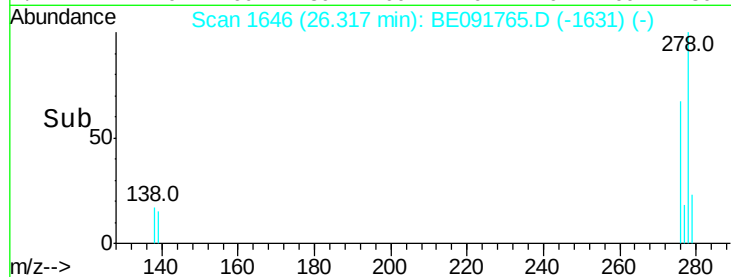
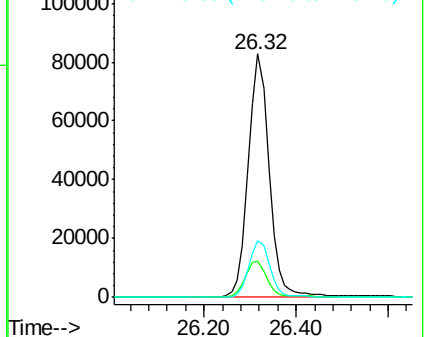
279 23.4 19.4 29.2



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: 4.16 ng

RT: 27.08 min Scan# 1712

Delta R.T. -0.02 min

Lab File: BE091765.D

Acq: 10 May 2016 20:31

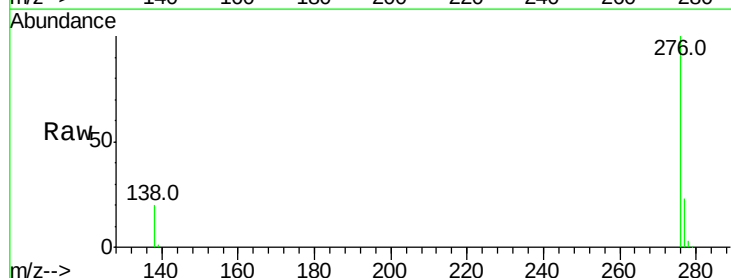
Tgt Ion:276 Resp: 263295

Ion Ratio Lower Upper

276 100

277 23.5 18.6 28.0

138 20.3 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

