

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051916\
 Data File : BE091834.D
 Acq On : 20 May 2016 7:36
 Operator : UM/SJ
 Sample : H3115-01MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 NC-TS-002MSD

Quant Time: May 20 08:44:09 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 15:36:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	30223	5.00	ng	-0.02
7) Naphthalene-d8	10.55	136	153603	5.00	ng	-0.02
13) Acenaphthene-d10	14.40	164	95175	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	250356	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	222909	5.00	ng	-0.02
35) Perylene-d12	23.74	264	231802	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	62408	7.90	ng	0.00
5) Phenol-d6	6.95	99	104556	9.40	ng	0.00
8) Nitrobenzene-d5	8.93	82	49133	4.83	ng	-0.01
14) 2,4,6-Tribromophenol	15.88	330	34826	9.42	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	120174	4.46	ng	-0.01
29) Terphenyl-d14	19.74	244	164878	5.23	ng	-0.02

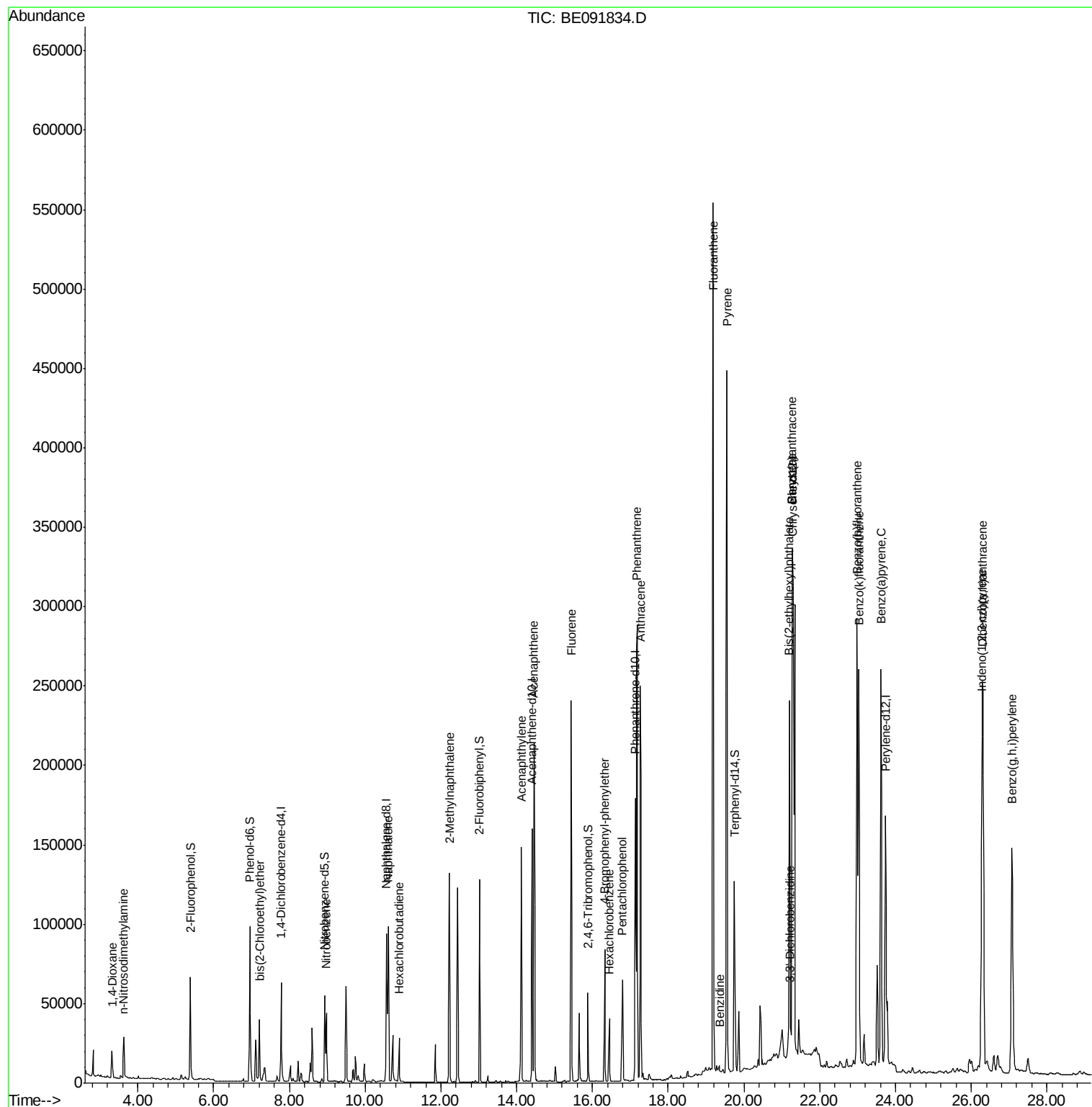
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	10553	3.19	ng	# 87
3) n-Nitrosodimethylamine	3.61	42	19392	4.02	ng	94
6) bis(2-Chloroethyl)ether	7.21	93	38957	4.36	ng	# 82
9) Nitrobenzene	8.98	77	50363	4.81	ng	93
10) Naphthalene	10.61	128	140774	4.14	ng	98
11) Hexachlorobutadiene	10.90	225	23191	4.61	ng	97
12) 2-Methylnaphthalene	12.23	142	104432	4.57	ng	# 89
16) Acenaphthylene	14.12	152	201616	4.75	ng	# 86
17) Acenaphthene	14.46	154	112893	4.42	ng	91
18) Fluorene	15.44	166	150647	4.55	ng	98
20) 4-Bromophenyl-phenylether	16.33	248	41452	4.43	ng	93
21) Hexachlorobenzene	16.45	284	39535	4.06	ng	99
22) Pentachlorophenol	16.79	266	45164	11.21	ng	89
23) Phenanthrene	17.18	178	355316	7.27	ng	99
24) Anthracene	17.26	178	285666	5.24	ng	98
25) Fluoranthene	19.19	202	549618	8.26	ng	97
27) Benzidine	19.36	184	934	0.03	ng	# 1
28) Pyrene	19.55	202	534489	10.93	ng	96
30) Benzo(a)anthracene	21.27	228	761882	14.17	ng	# 90
31) 3,3'-Dichlorobenzidine	21.22	252	8151	0.24	ng	# 74
32) Chrysene	21.27	228	762196	16.42	ng	94
33) Bis(2-ethylhexyl)phthalate	21.20	149	280196	8.93	ng	# 87
34) Indeno(1,2,3-cd)pyrene	26.28	276	382026	6.93	ng	94
36) Benzo(b)fluoranthene	22.99	252	450866	7.78	ng	97
37) Benzo(k)fluoranthene	23.03	252	319257	5.38	ng	97
38) Benzo(a)pyrene	23.62	252	385128	6.96	ng	99
39) Dibenzo(a,h)anthracene	26.30	278	261556	4.84	ng	99
40) Benzo(g,h,i)perylene	27.08	276	338692	6.07	ng	96

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

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Misc :
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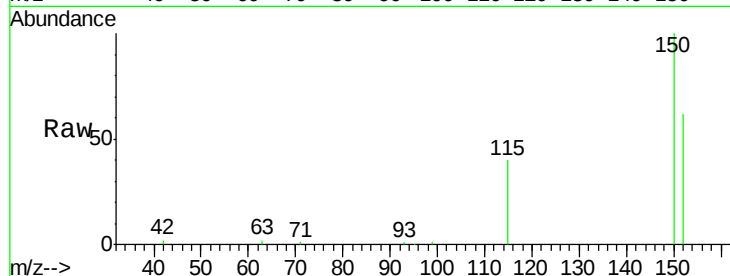




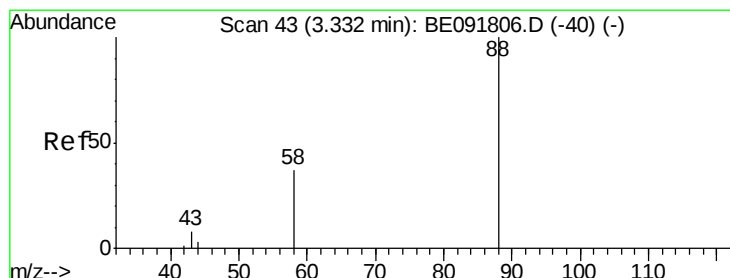
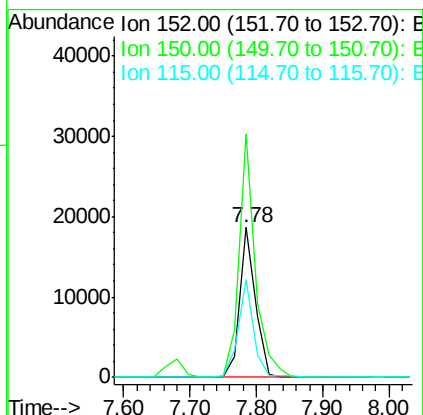
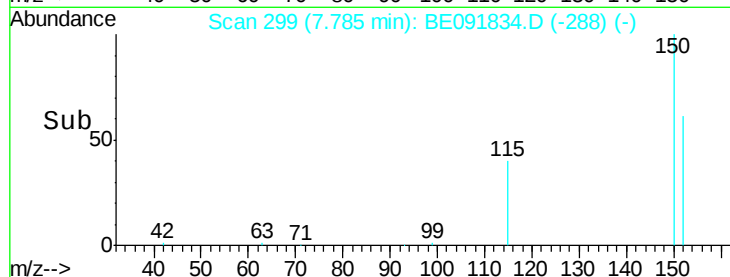
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.78 min Scan# 299
 Delta R.T. -0.02 min
 Lab File: BE091834.D
 Acq: 20 May 2016 7:36

Instrument :
 BNA_E
 ClientSampleId :
 NC-TS-002MSD

Tgt Ion: 152 Resp: 30223
 Ion Ratio Lower Upper
 152 100
 150 162.4 122.6 183.8
 115 65.5 52.8 79.2

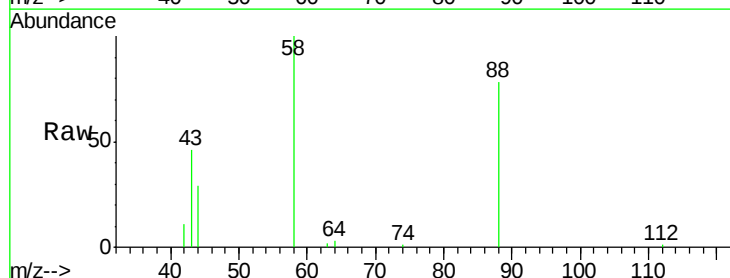


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

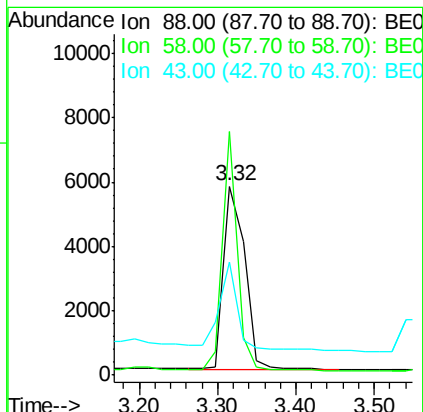
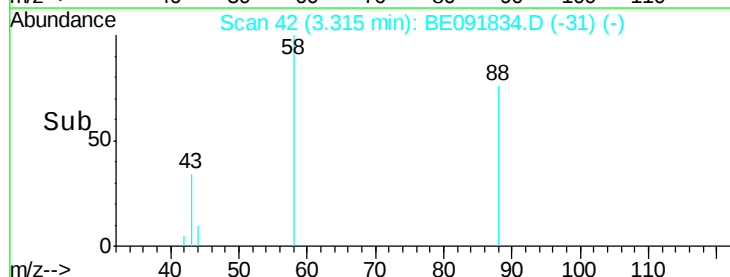


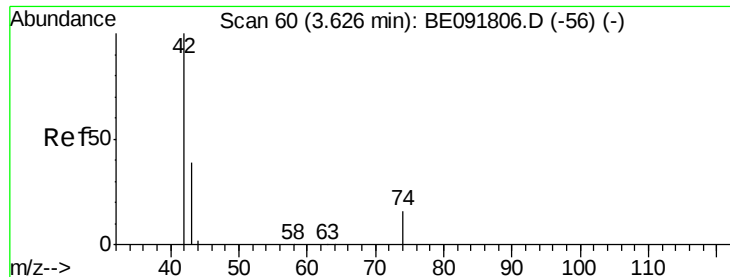
#2
 1,4-Dioxane
 Concen: 3.19 ng
 RT: 3.32 min Scan# 42
 Delta R.T. -0.02 min
 Lab File: BE091834.D
 Acq: 20 May 2016 7:36

Tgt Ion: 88 Resp: 10553
 Ion Ratio Lower Upper
 88 100
 58 91.1 65.8 98.6
 43 42.3 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: 4.02 ng

RT: 3.61 min Scan# 59

Delta R.T. -0.02 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

Instrument :

BNA_E

ClientSampleId :

NC-TS-002MSD

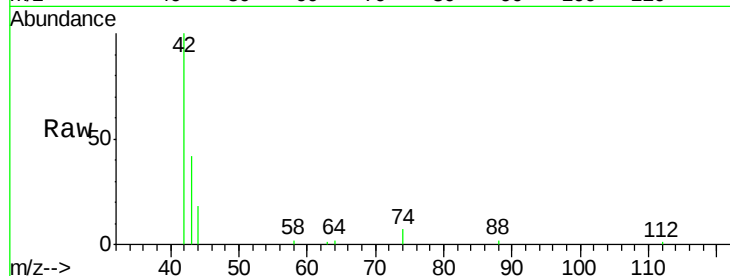
Tgt Ion: 42 Resp: 19392

Ion Ratio Lower Upper

42 100

74 116.7 87.9 131.9

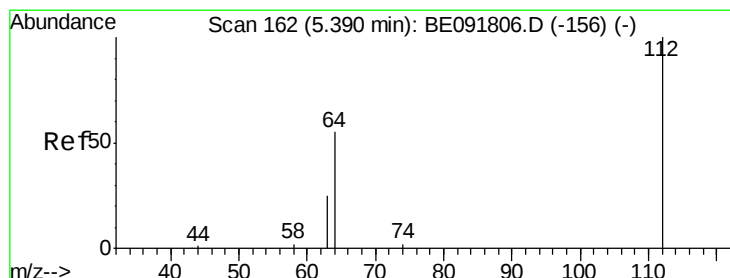
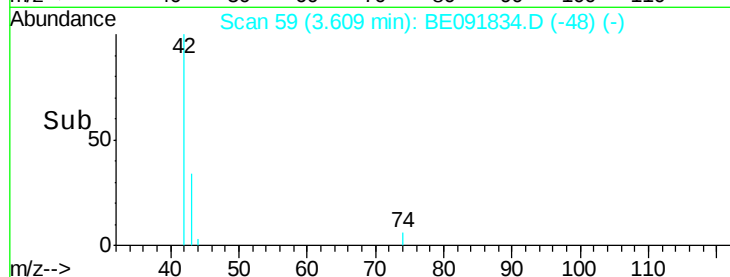
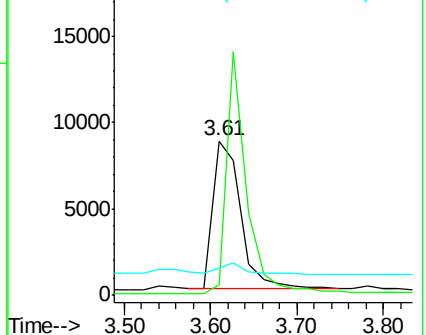
44 6.8 6.6 9.8



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: 7.90 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

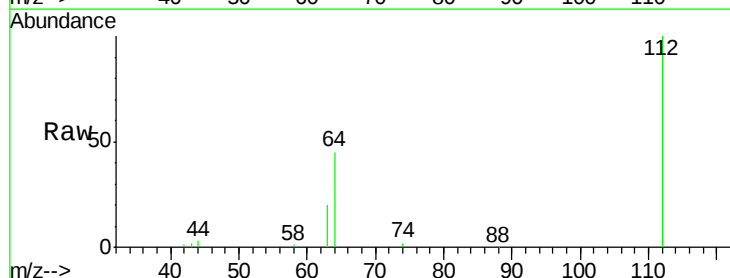
Tgt Ion: 112 Resp: 62408

Ion Ratio Lower Upper

112 100

64 68.5 30.9 46.3#

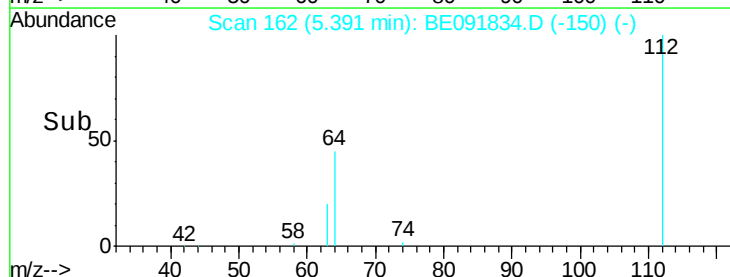
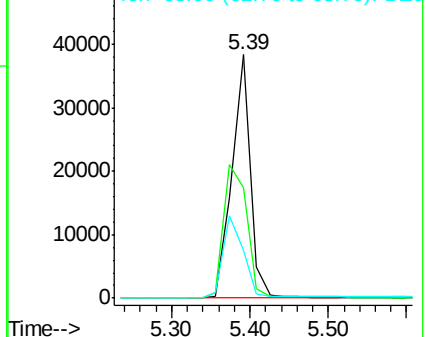
63 36.5 16.7 25.1#

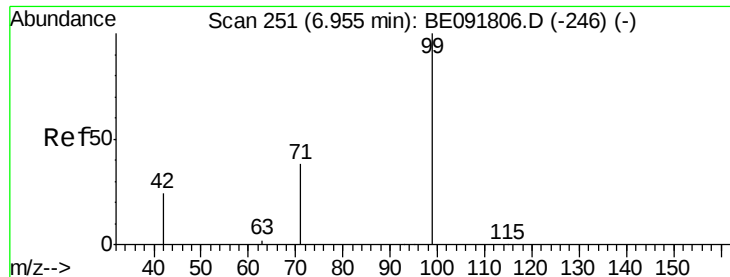


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 9.40 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

Instrument :

BNA_E

ClientSampleId :

NC-TS-002MSD

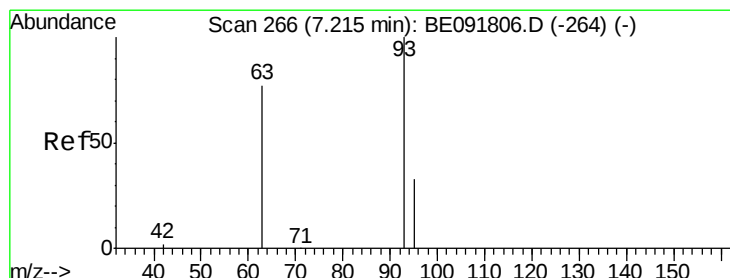
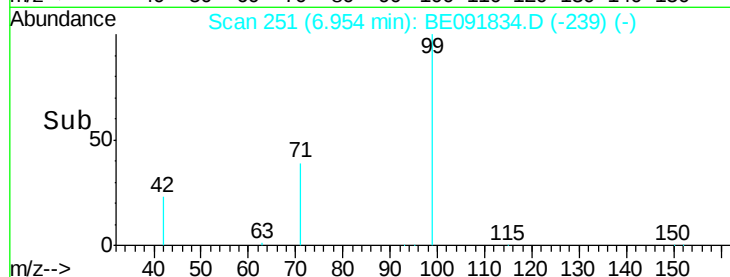
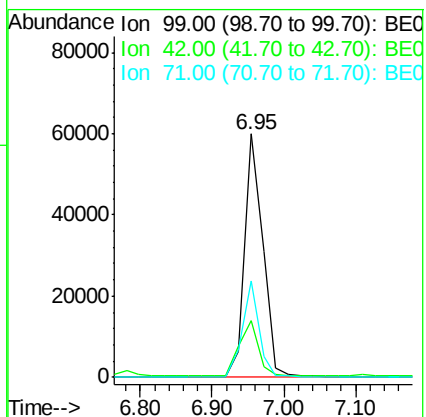
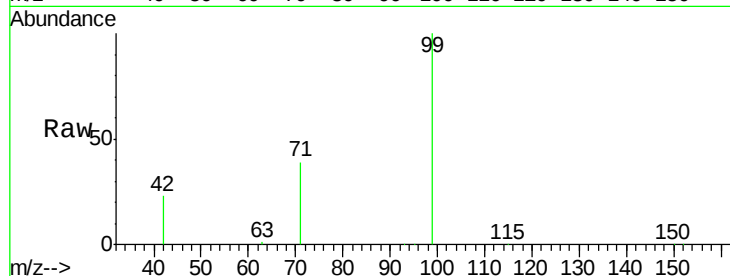
Tgt Ion: 99 Resp: 104556

Ion Ratio Lower Upper

99 100

42 23.7 16.2 24.2

71 36.3 29.0 43.4



#6

bis(2-Chloroethyl)ether

Concen: 4.36 ng

RT: 7.21 min Scan# 266

Delta R.T. -0.00 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

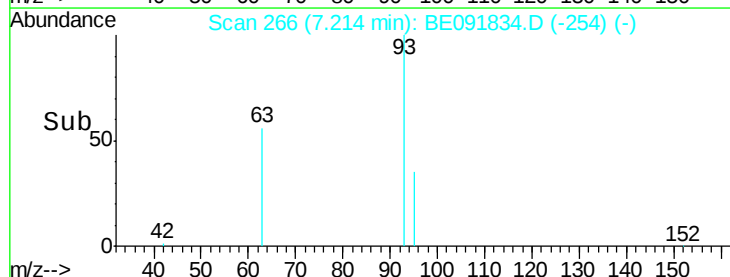
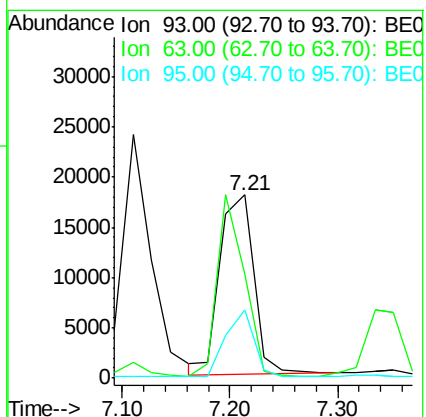
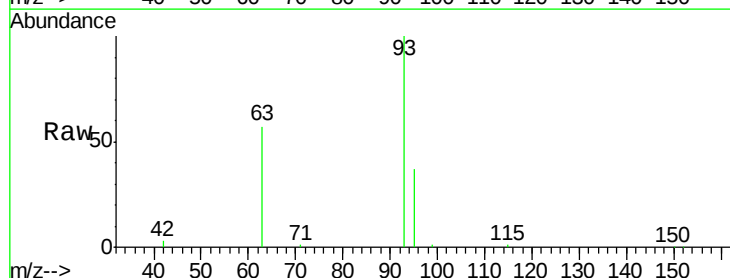
Tgt Ion: 93 Resp: 38957

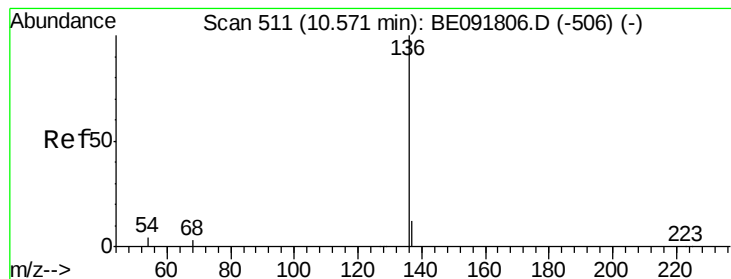
Ion Ratio Lower Upper

93 100

63 80.2 49.5 74.3#

95 30.9 22.2 33.4





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 510

Delta R.T. -0.02 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

Instrument :

BNA_E

ClientSampleId :

NC-TS-002MSD

Tgt Ion: 136 Resp: 153603

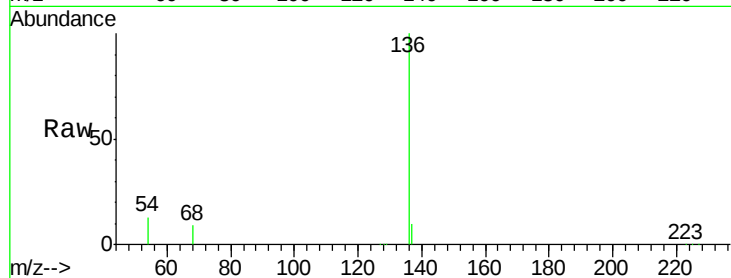
Ion Ratio Lower Upper

136 100

137 10.0 8.9 13.3

54 13.1 8.2 12.4#

68 9.1 6.2 9.4

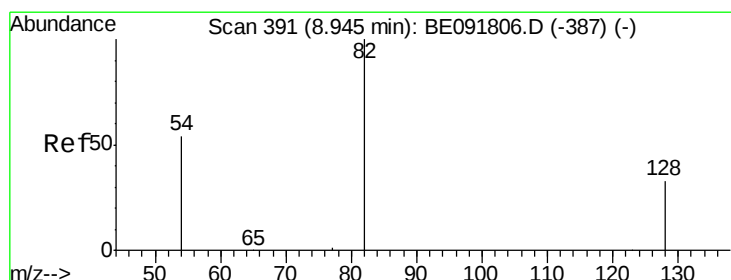
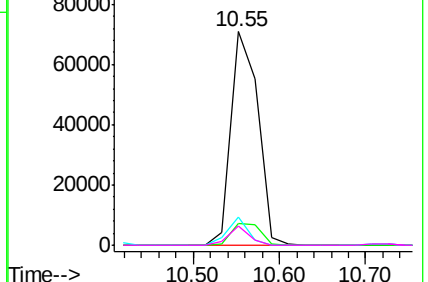
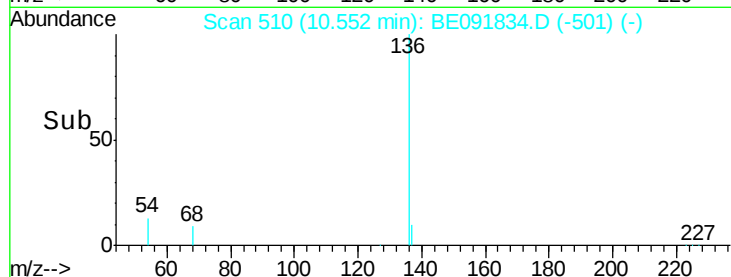


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.83 ng

RT: 8.93 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

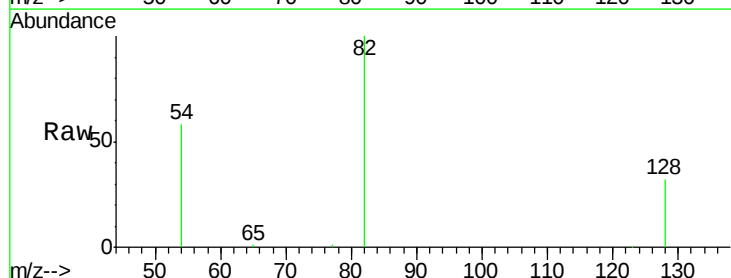
Tgt Ion: 82 Resp: 49133

Ion Ratio Lower Upper

82 100

128 31.7 25.4 38.0

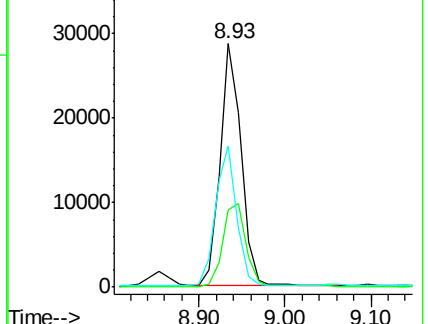
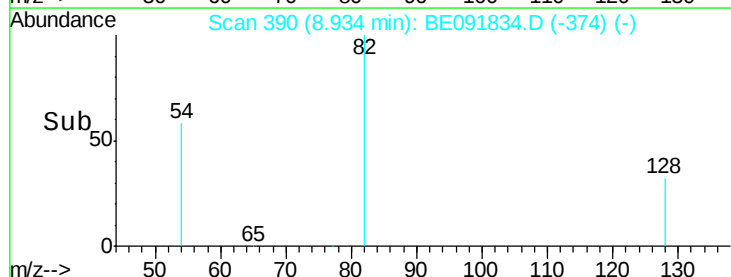
54 58.2 48.4 72.6

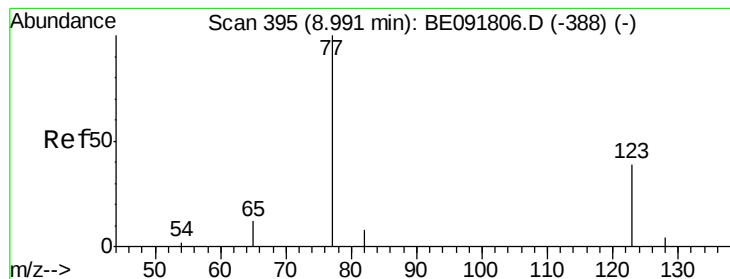


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 4.81 ng

RT: 8.98 min Scan# 394

Delta R.T. -0.01 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

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NC-TS-002MSD

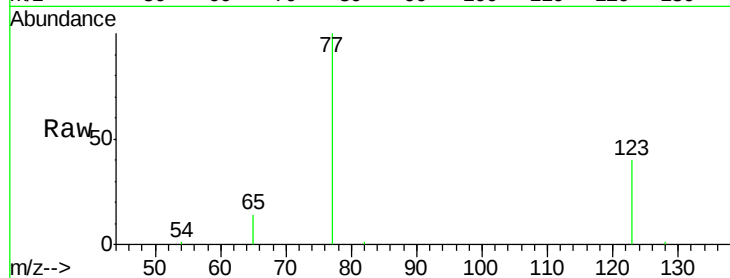
Tgt Ion: 77 Resp: 50363

Ion Ratio Lower Upper

77 100

123 38.2 26.9 40.3

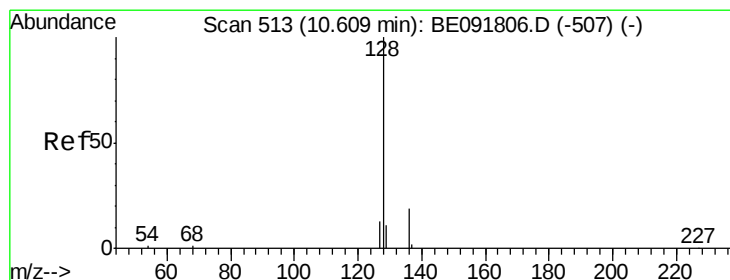
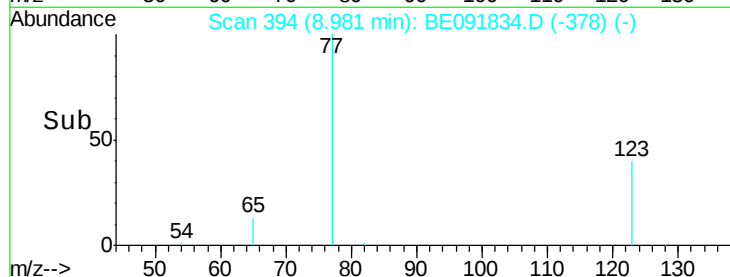
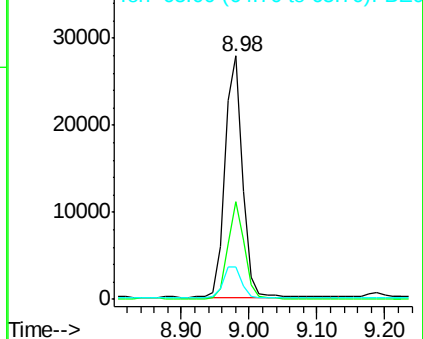
65 14.1 9.4 14.2



Abundance Ion 77.00 (76.70 to 77.70): BE091806.D (-388) (-)

Ion 123.00 (122.70 to 123.70): BE091806.D (-388) (-)

Ion 65.00 (64.70 to 65.70): BE091806.D (-388) (-)



#10

Naphthalene

Concen: 4.14 ng

RT: 10.61 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

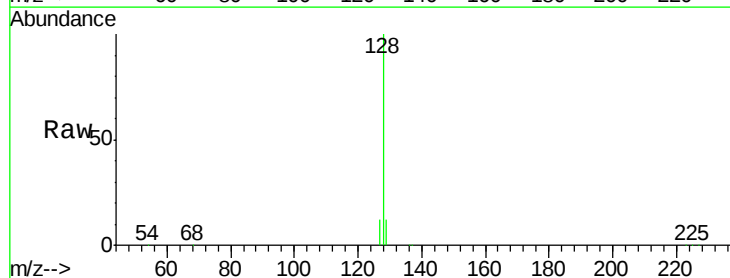
Tgt Ion: 128 Resp: 140774

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

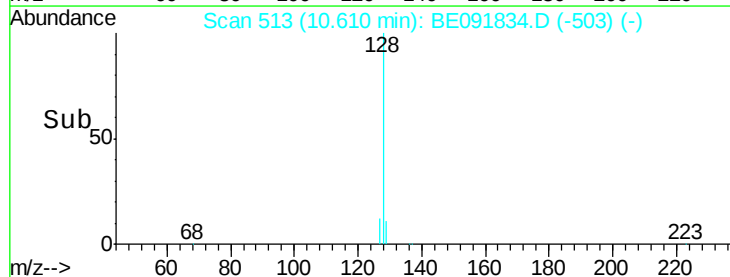
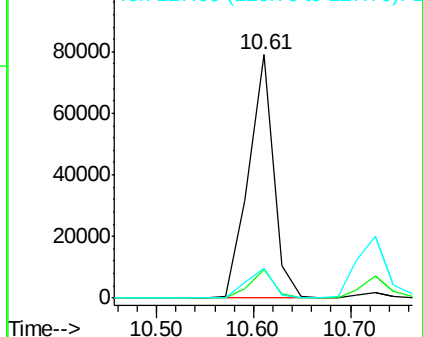
127 12.2 10.7 16.1

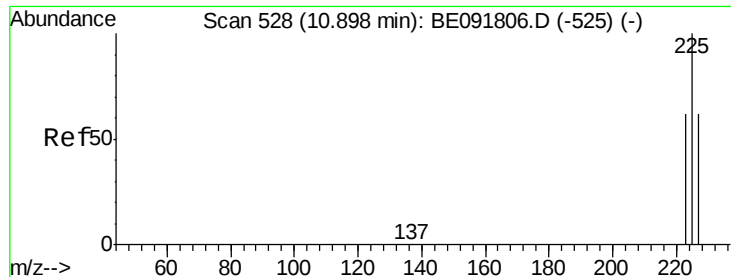


Abundance Ion 128.00 (127.70 to 128.70): BE091806.D (-507) (-)

Ion 129.00 (128.70 to 129.70): BE091806.D (-507) (-)

Ion 127.00 (126.70 to 127.70): BE091806.D (-507) (-)

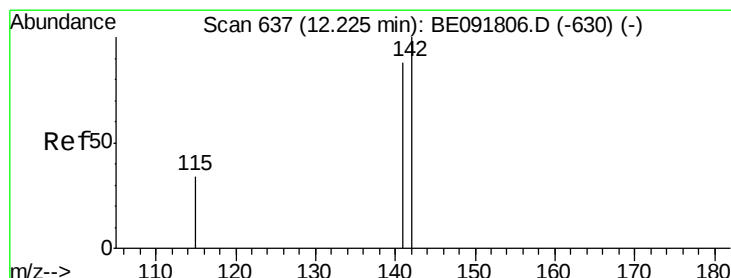
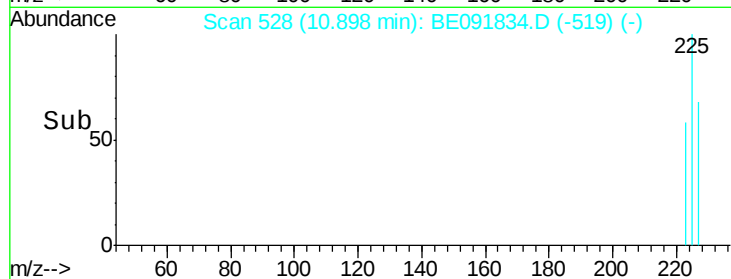
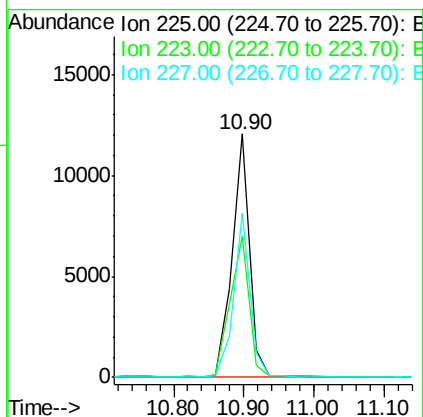
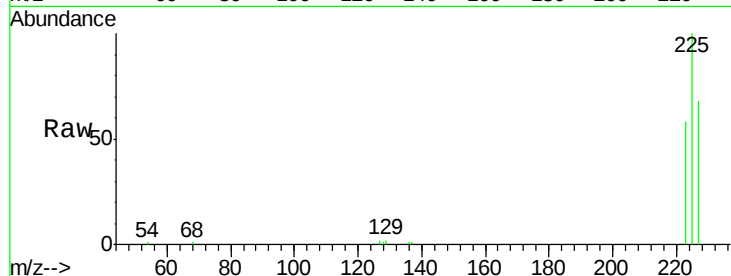




#11
Hexachlorobutadiene
Concen: 4.61 ng
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091834.D
Acq: 20 May 2016 7:36

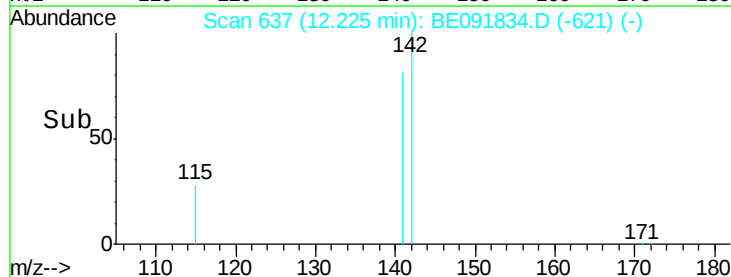
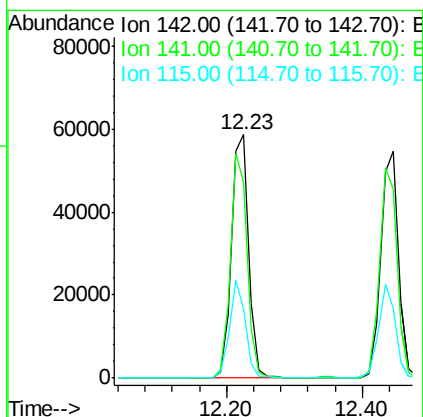
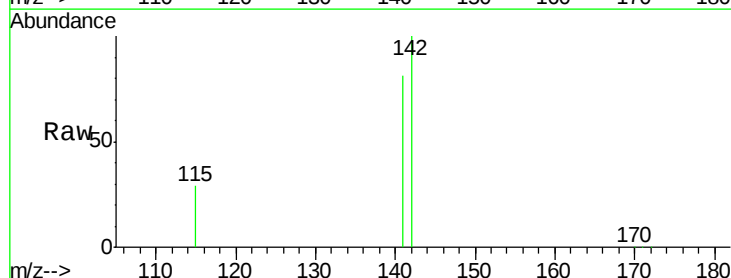
Instrument :
BNA_E
ClientSampleId :
NC-TS-002MSD

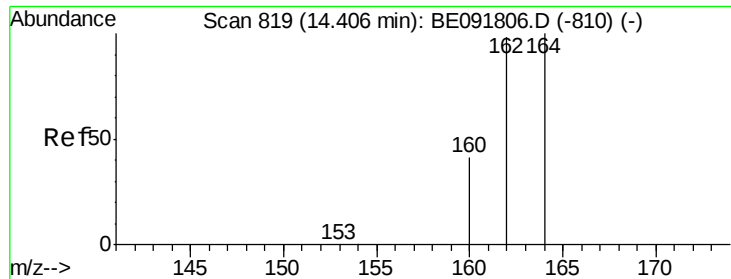
Tgt Ion: 225 Resp: 23191
Ion Ratio Lower Upper
225 100
223 63.6 49.0 73.6
227 65.0 50.3 75.5



#12
2-Methylnaphthalene
Concen: 4.57 ng
RT: 12.23 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE091834.D
Acq: 20 May 2016 7:36

Tgt Ion: 142 Resp: 104432
Ion Ratio Lower Upper
142 100
141 80.6 71.4 107.0
115 28.7 30.3 45.5#





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

Instrument :

BNA_E

ClientSampleId :

NC-TS-002MSD

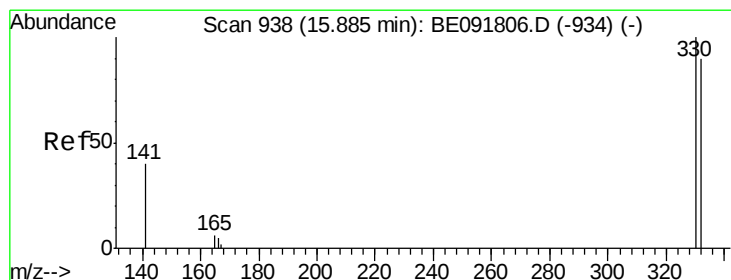
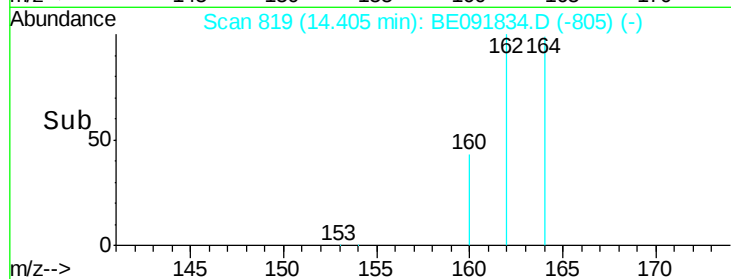
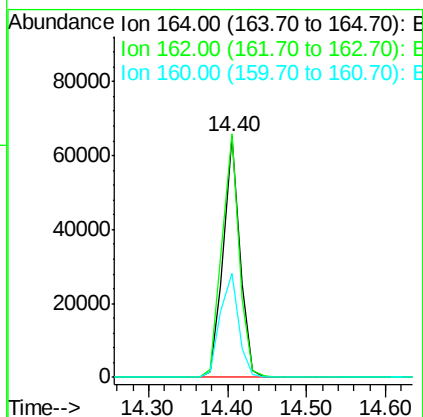
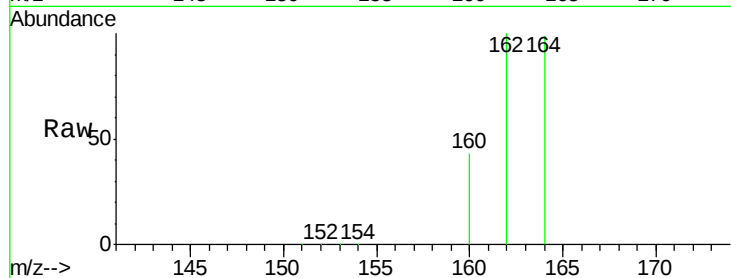
Tgt Ion:164 Resp: 95175

Ion Ratio Lower Upper

164 100

162 101.3 85.3 127.9

160 43.5 46.2 69.2#



#14

2,4,6-Tribromophenol

Concen: 9.42 ng

RT: 15.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

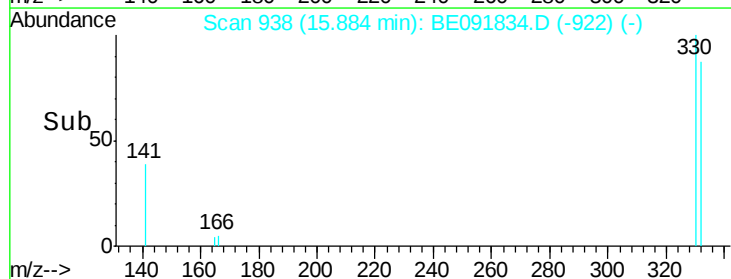
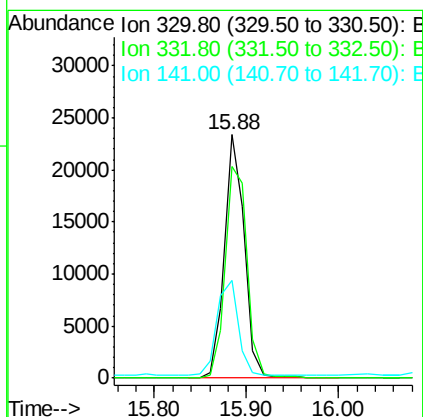
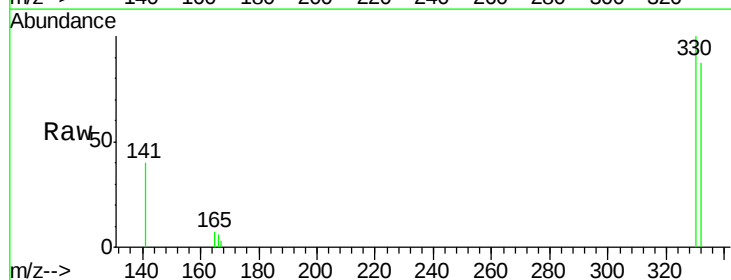
Tgt Ion:330 Resp: 34826

Ion Ratio Lower Upper

330 100

332 95.8 79.1 118.7

141 41.6 125.4 188.0#

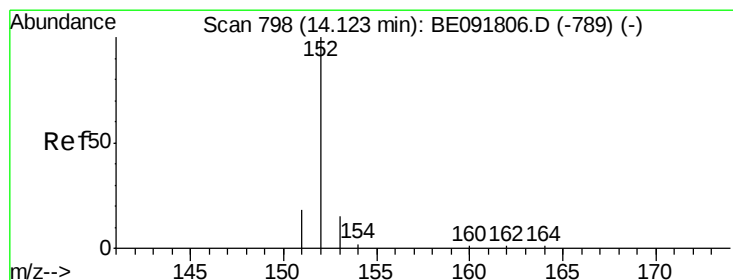
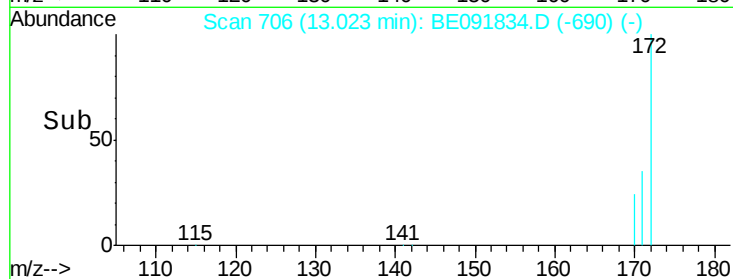
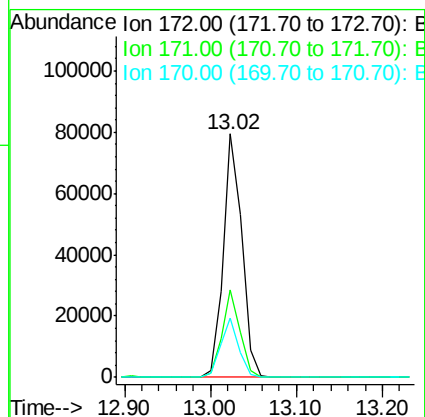
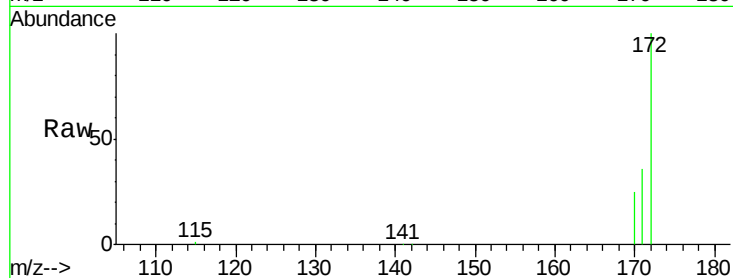




#15
2-Fluorobiphenyl
Concen: 4.46 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091834.D
Acq: 20 May 2016 7:36

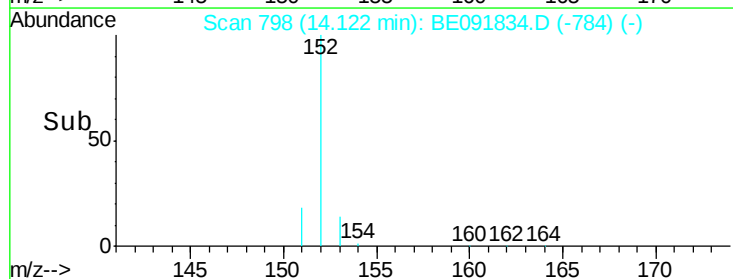
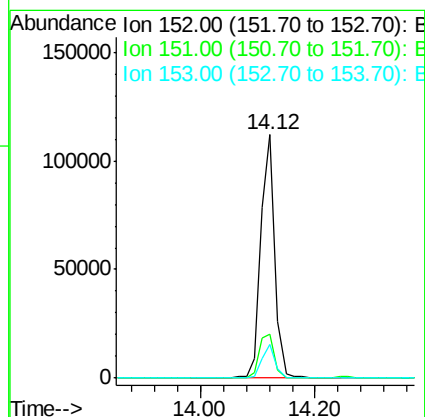
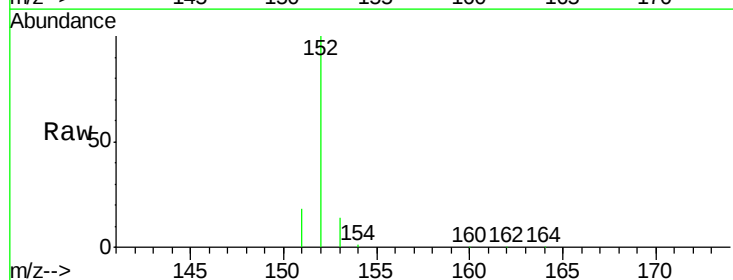
Instrument :
BNA_E
ClientSampleId :
NC-TS-002MSD

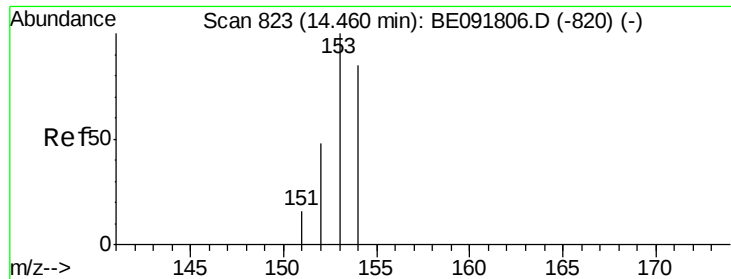
Tgt Ion:172 Resp: 120174
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 24.5 19.3 28.9



#16
Acenaphthylene
Concen: 4.75 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091834.D
Acq: 20 May 2016 7:36

Tgt Ion:152 Resp: 201616
Ion Ratio Lower Upper
152 100
151 20.4 3.9 5.9#
153 13.7 10.3 15.5

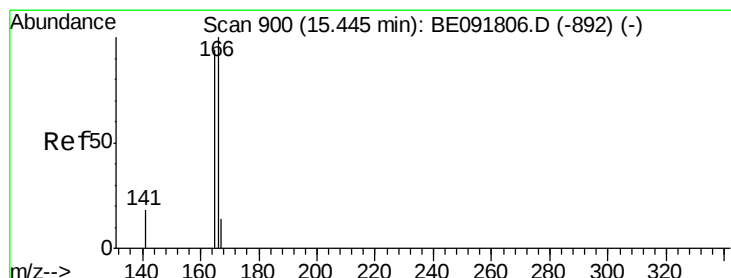
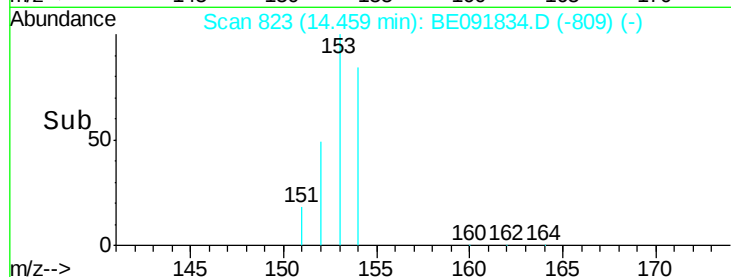
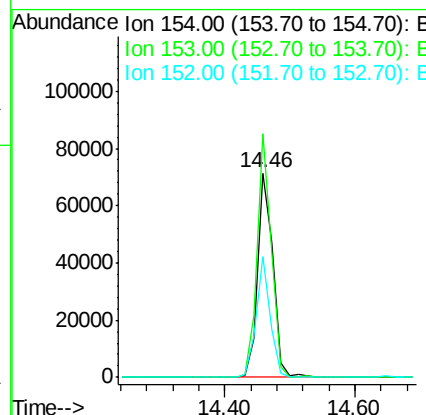
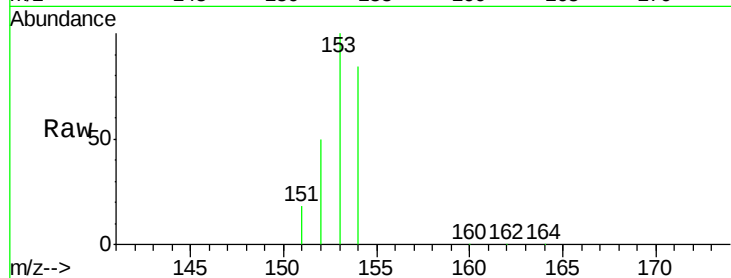




#17
Acenaphthene
Concen: 4.42 ng
RT: 14.46 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE091834.D
Acq: 20 May 2016 7:36

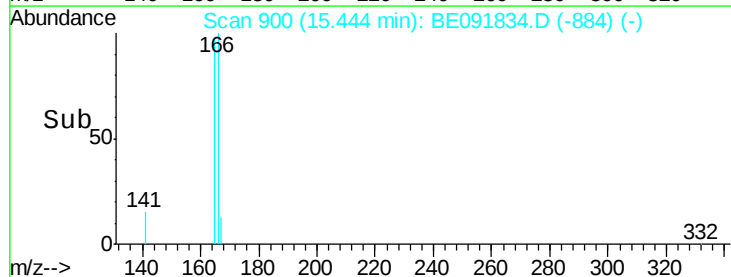
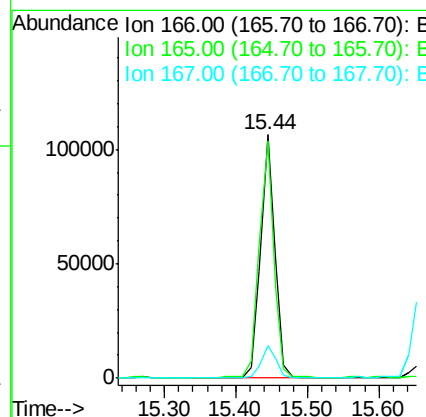
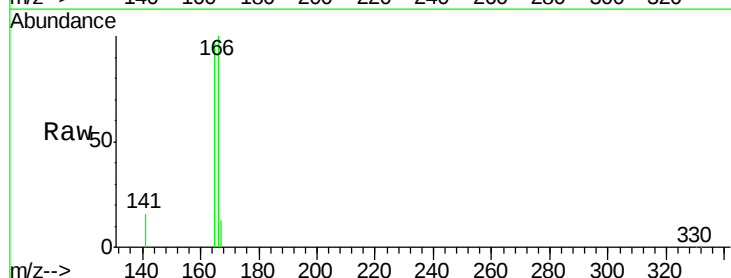
Instrument :
BNA_E
ClientSampleId :
NC-TS-002MSD

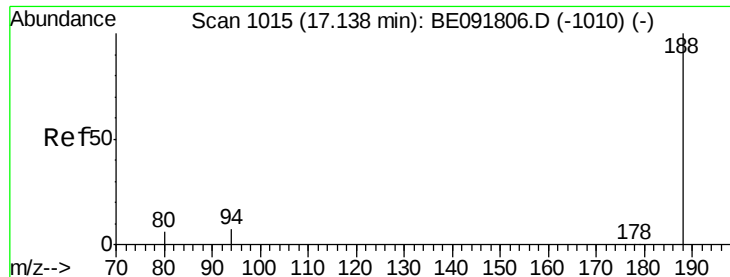
Tgt Ion:154 Resp: 112893
Ion Ratio Lower Upper
154 100
153 110.8 80.0 120.0
152 53.7 40.0 60.0



#18
Fluorene
Concen: 4.55 ng
RT: 15.44 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE091834.D
Acq: 20 May 2016 7:36

Tgt Ion:166 Resp: 150647
Ion Ratio Lower Upper
166 100
165 98.6 80.8 121.2
167 13.6 10.9 16.3





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

Instrument :

BNA_E

ClientSampleId :

NC-TS-002MSD

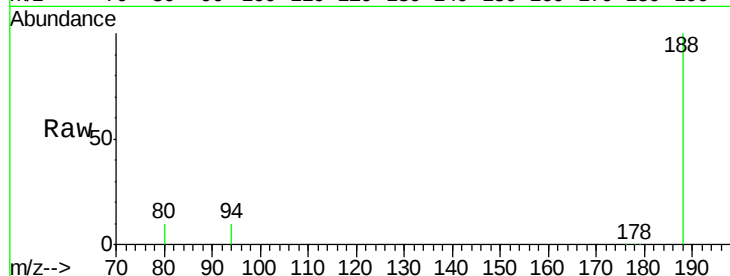
Tgt Ion:188 Resp: 250356

Ion Ratio Lower Upper

188 100

94 10.2 8.7 13.1

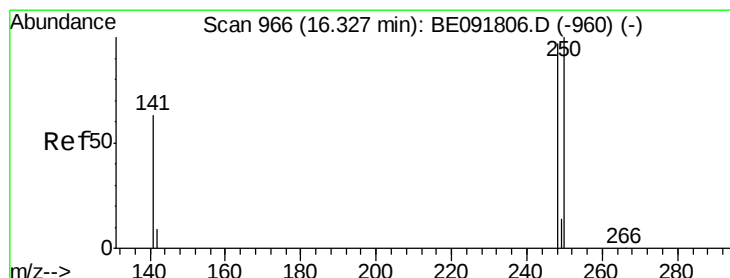
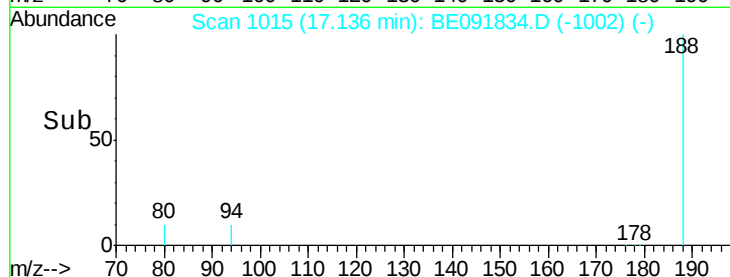
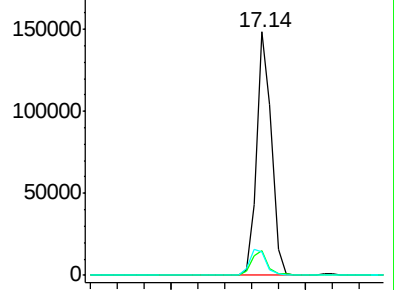
80 9.9 9.4 14.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 4.43 ng

RT: 16.33 min Scan# 966

Delta R.T. -0.00 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

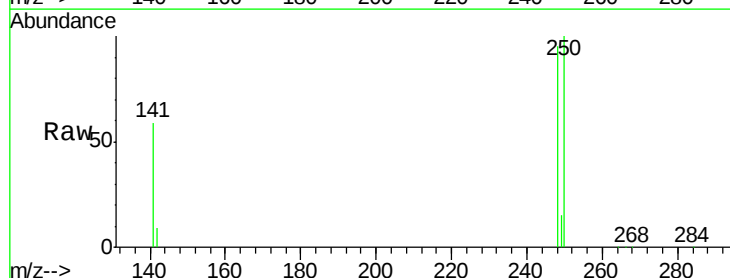
Tgt Ion:248 Resp: 41452

Ion Ratio Lower Upper

248 100

250 97.6 80.5 120.7

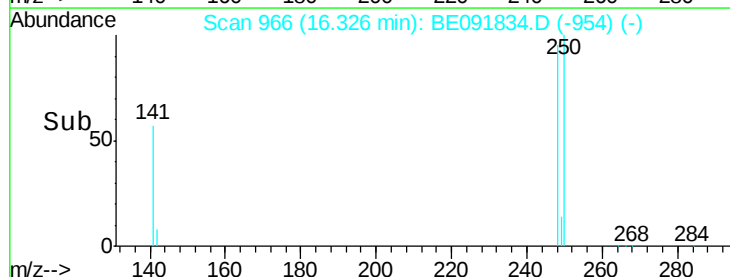
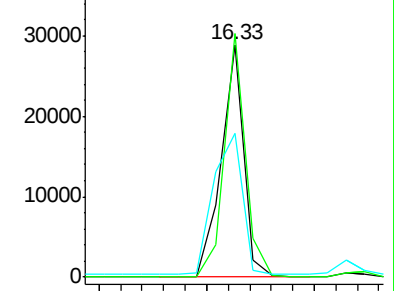
141 78.7 72.0 108.0

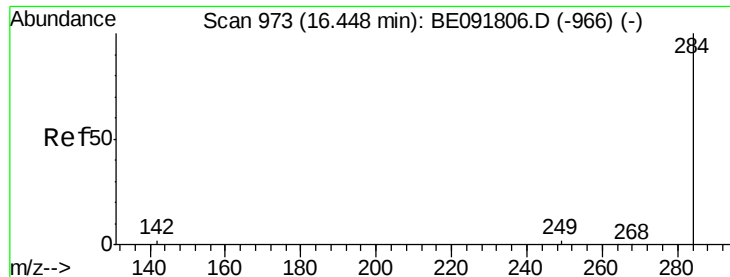


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

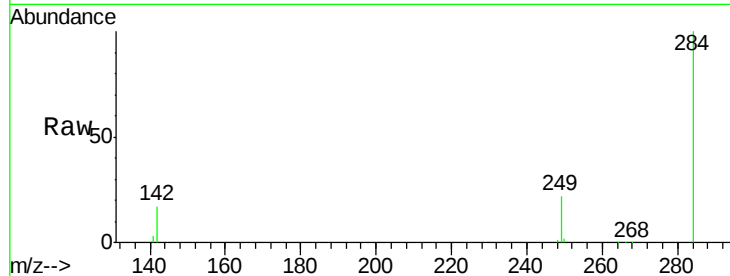




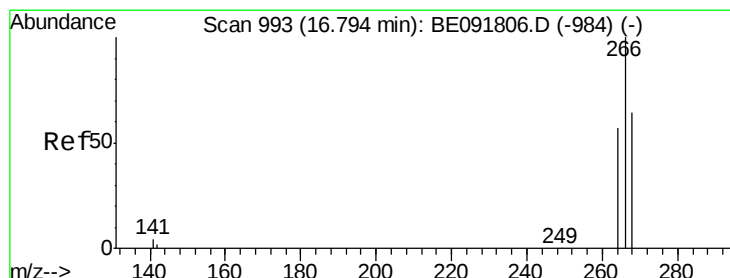
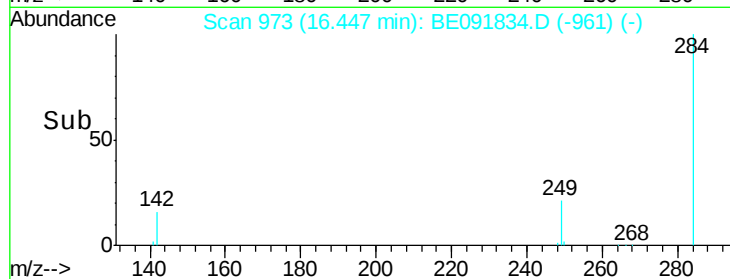
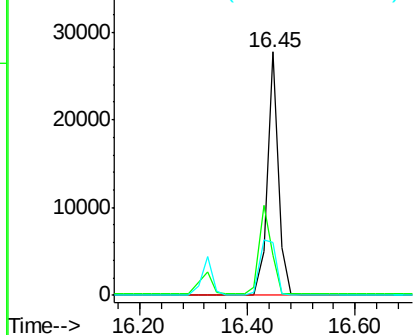
#21
Hexachlorobenzene
Concen: 4.06 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091834.D
Acq: 20 May 2016 7:36

Instrument :
BNA_E
ClientSampleId :
NC-TS-002MSD

Tgt Ion: 284 Resp: 39535
Ion Ratio Lower Upper
284 100
142 40.1 32.2 48.2
249 32.8 25.4 38.2

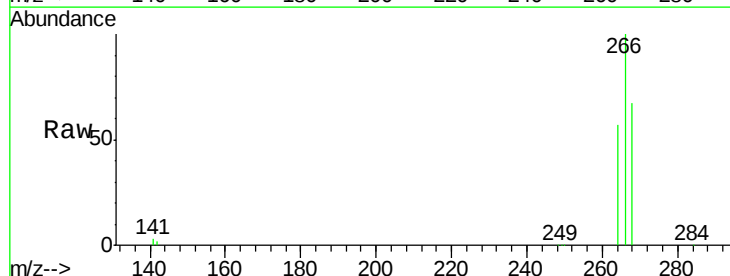


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

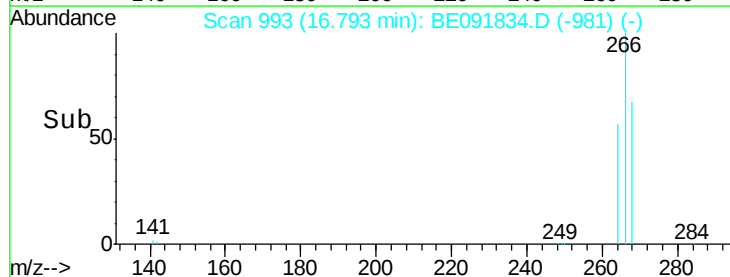
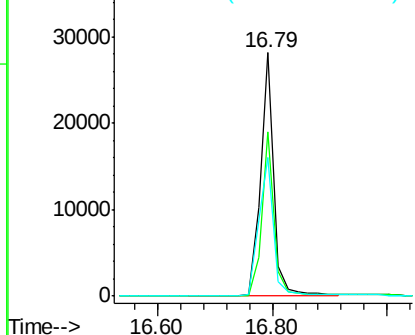


#22
Pentachlorophenol
Concen: 11.21 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: BE091834.D
Acq: 20 May 2016 7:36

Tgt Ion: 266 Resp: 45164
Ion Ratio Lower Upper
266 100
268 67.3 58.2 87.2
264 57.2 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

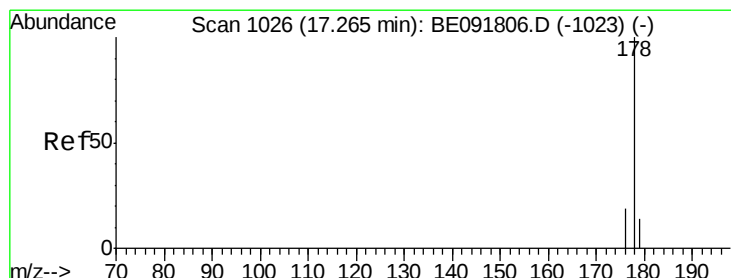
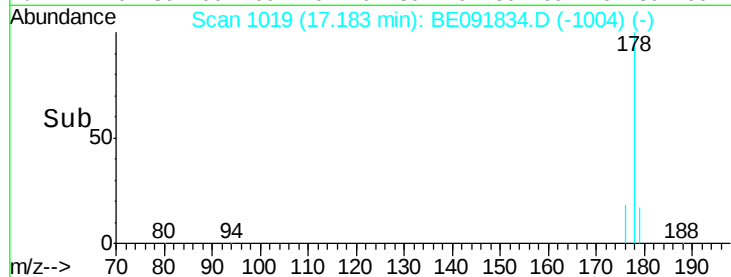
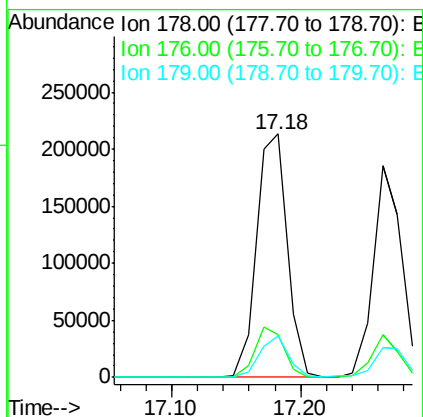
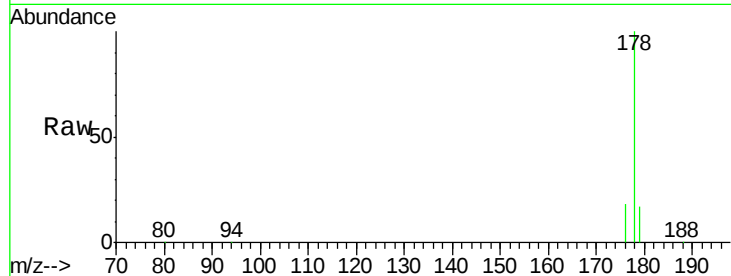




#23
Phenanthrene
Concen: 7.27 ng
RT: 17.18 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE091834.D
Acq: 20 May 2016 7:36

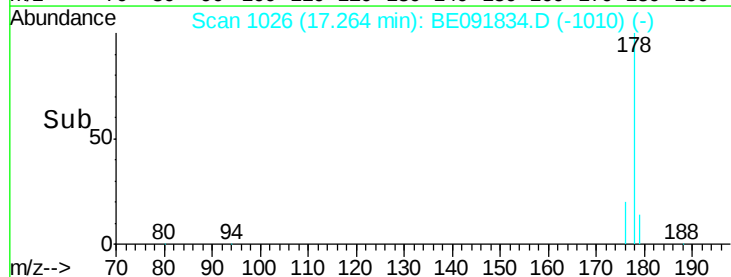
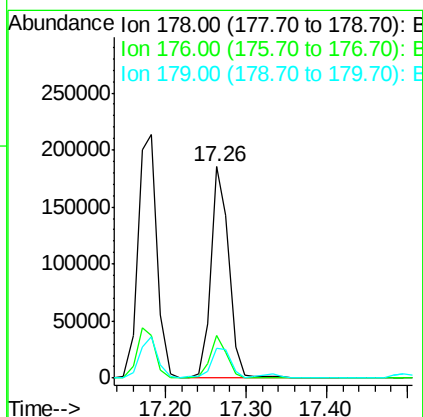
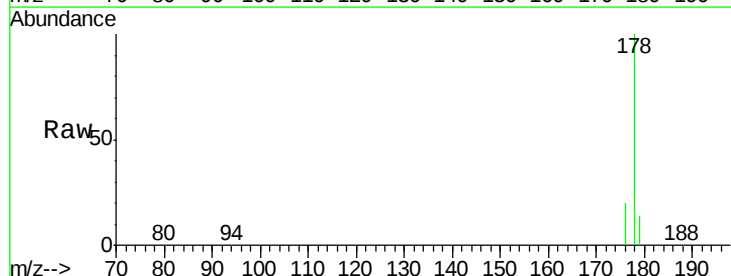
Instrument :
BNA_E
ClientSampleId :
NC-TS-002MSD

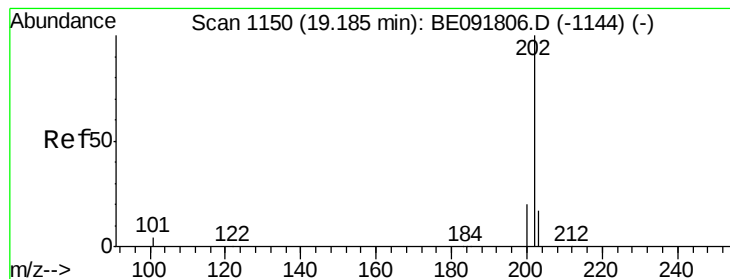
Tgt Ion:178 Resp: 355316
Ion Ratio Lower Upper
178 100
176 19.7 15.3 22.9
179 15.6 12.6 18.8



#24
Anthracene
Concen: 5.24 ng
RT: 17.26 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE091834.D
Acq: 20 May 2016 7:36

Tgt Ion:178 Resp: 285666
Ion Ratio Lower Upper
178 100
176 18.8 14.6 21.8
179 15.6 11.8 17.6





#25

Fluoranthene

Concen: 8.26 ng

RT: 19.19 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

Instrument :

BNA_E

ClientSampleId :

NC-TS-002MSD

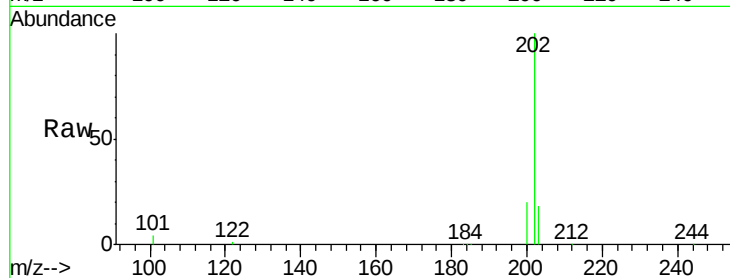
Tgt Ion:202 Resp: 549618

Ion Ratio Lower Upper

202 100

101 11.4 11.0 16.6

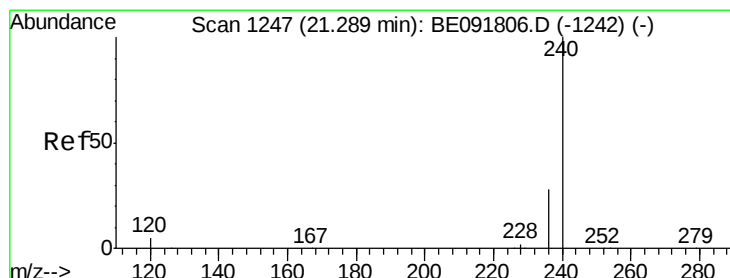
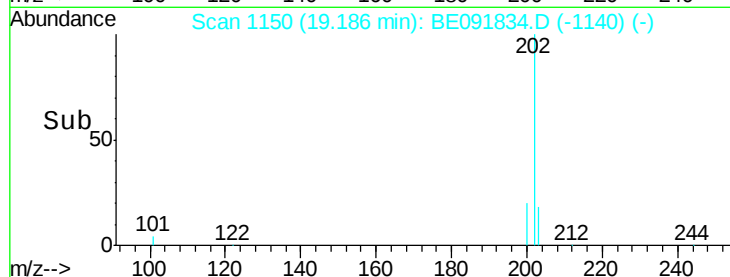
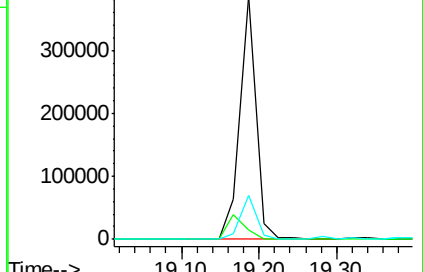
203 17.9 13.9 20.9



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: 21.29 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

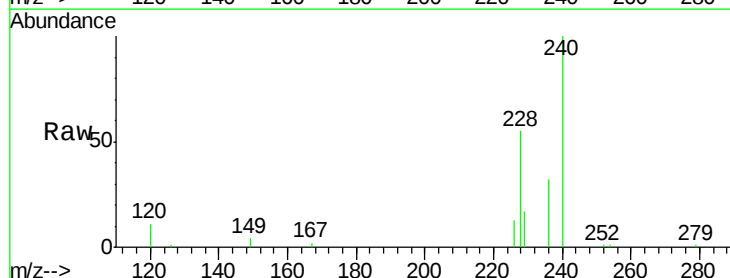
Tgt Ion:240 Resp: 222909

Ion Ratio Lower Upper

240 100

120 10.7 11.0 16.4#

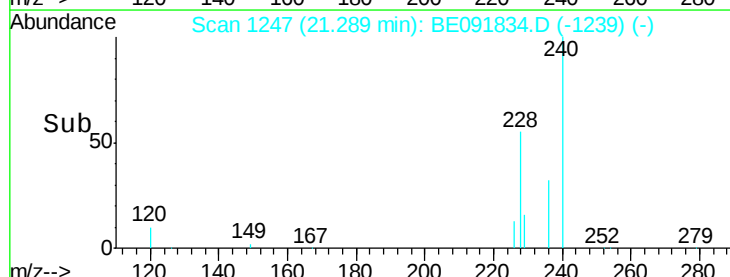
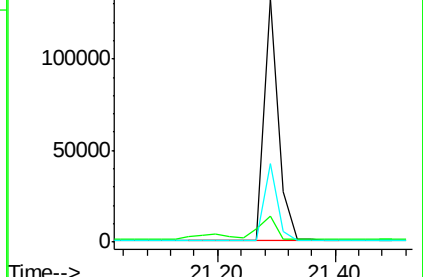
236 32.1 21.7 32.5

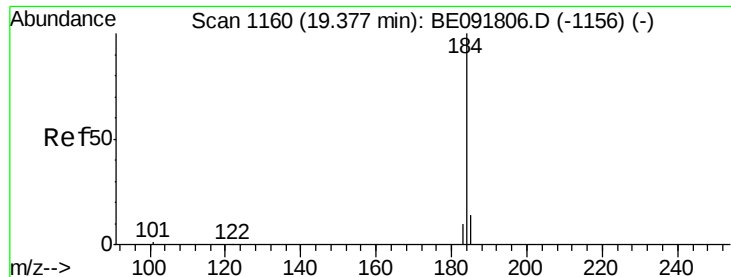


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.03 ng

RT: 19.36 min Scan# 1159

Delta R.T. -0.02 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

Instrument :

BNA_E

ClientSampleId :

NC-TS-002MSD

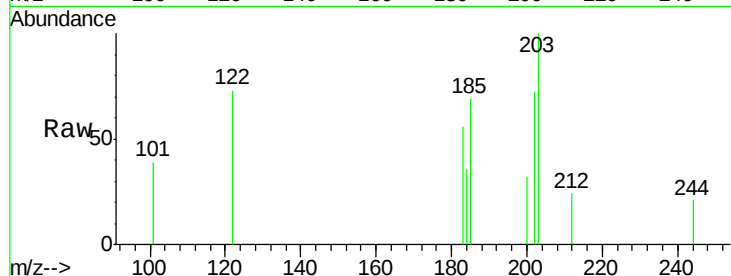
Tgt Ion:184 Resp: 934

Ion Ratio Lower Upper

184 100

185 191.7 22.3 33.5#

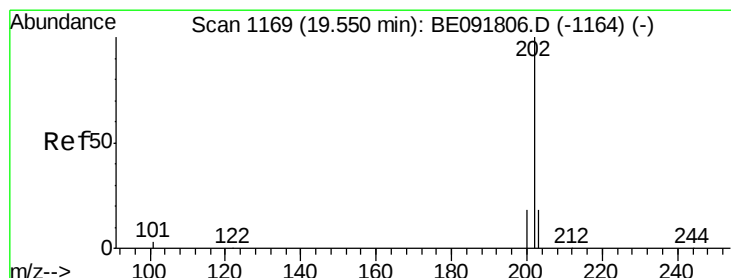
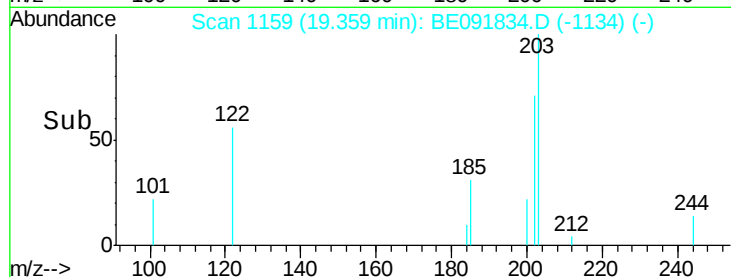
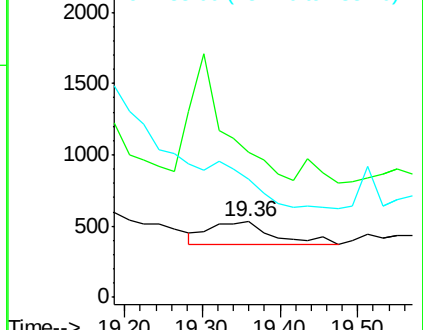
183 156.0 16.4 24.6#



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: 10.93 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

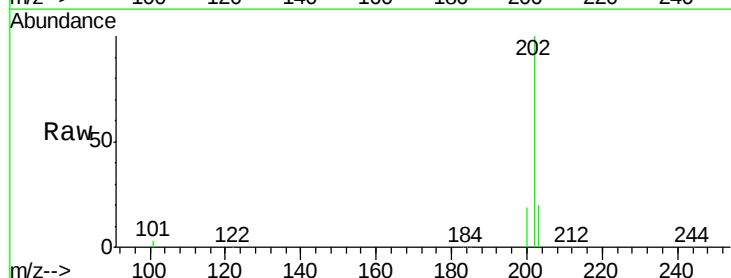
Tgt Ion:202 Resp: 534489

Ion Ratio Lower Upper

202 100

200 21.6 16.8 25.2

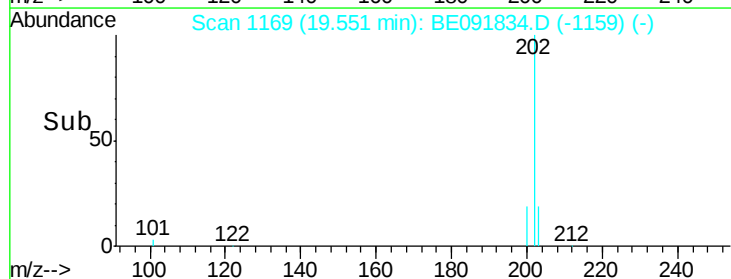
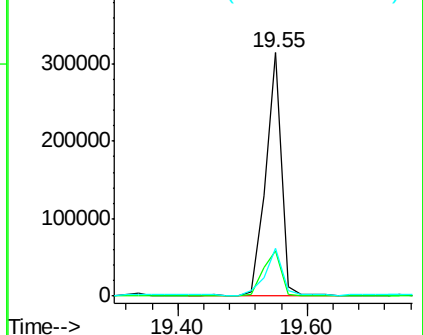
203 21.0 14.0 21.0

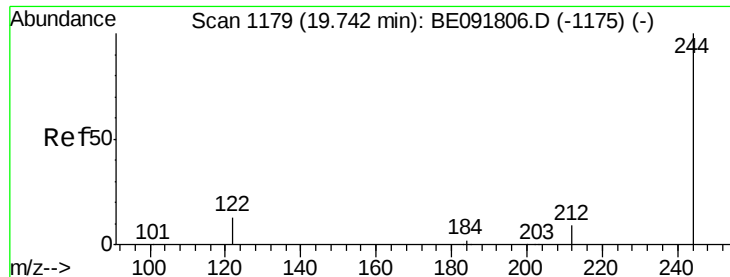


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 5.23 ng

RT: 19.74 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

Instrument :

BNA_E

ClientSampleId :

NC-TS-002MSD

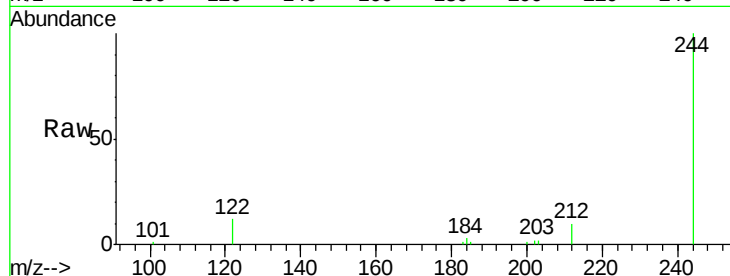
Tgt Ion:244 Resp: 164878

Ion Ratio Lower Upper

244 100

212 9.8 6.9 10.3

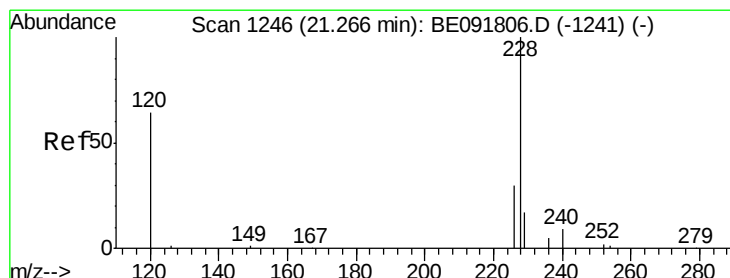
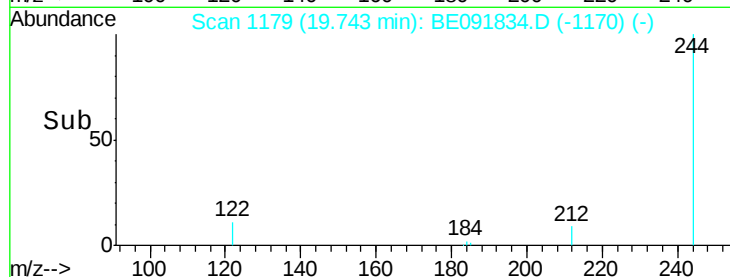
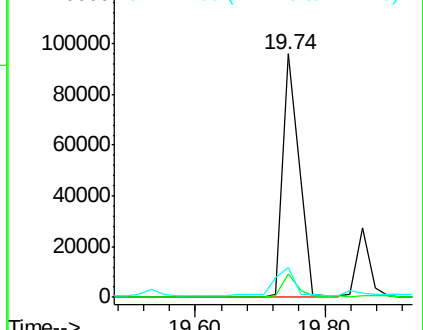
122 12.2 11.0 16.4



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: 14.17 ng

RT: 21.27 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

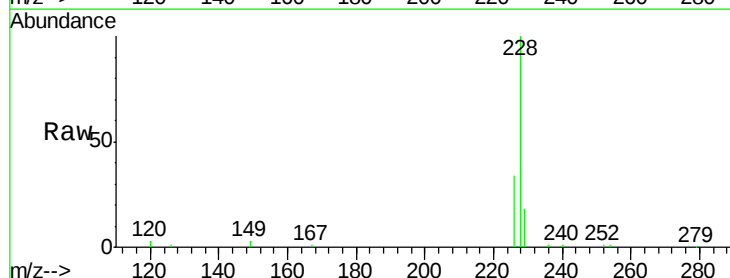
Tgt Ion:228 Resp: 761882

Ion Ratio Lower Upper

228 100

226 33.8 21.0 31.4#

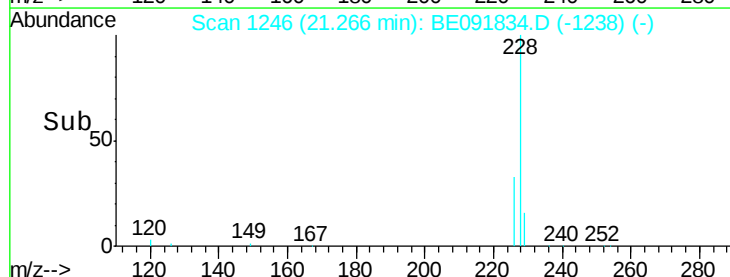
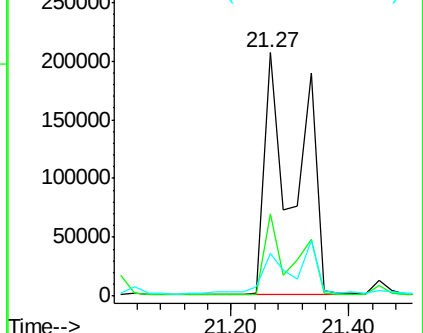
229 17.5 15.7 23.5

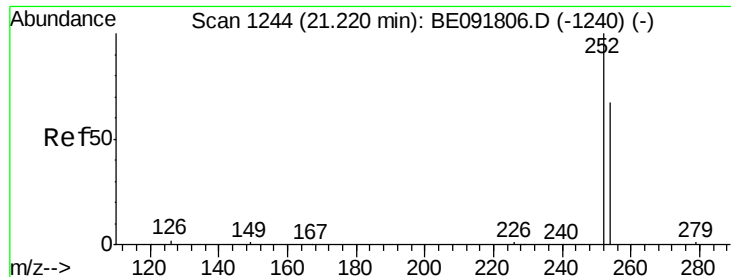


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

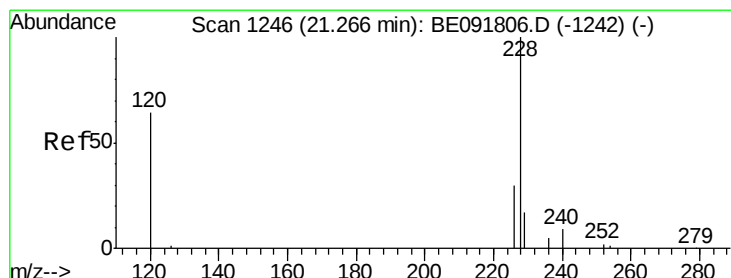
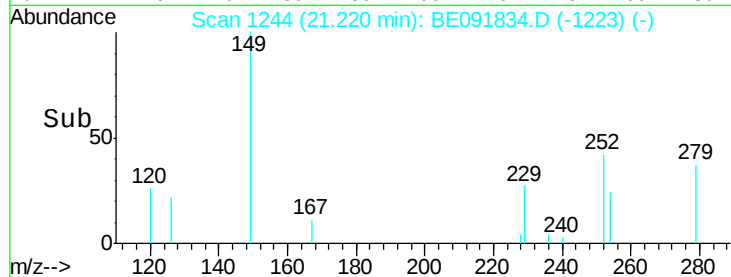
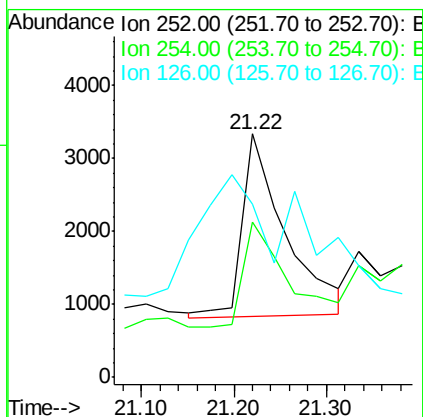
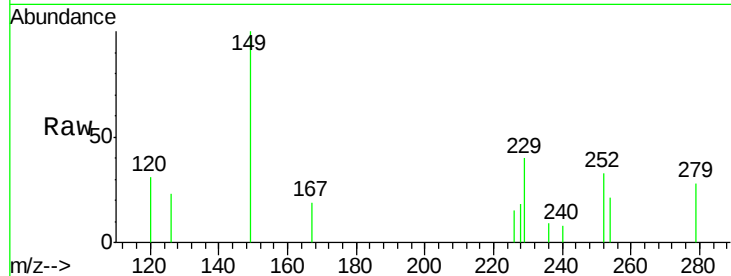




#31
 3,3'-Dichlorobenzidine
 Concen: 0.24 ng
 RT: 21.22 min Scan# 1244
 Delta R.T. -0.02 min
 Lab File: BE091834.D
 Acq: 20 May 2016 7:36

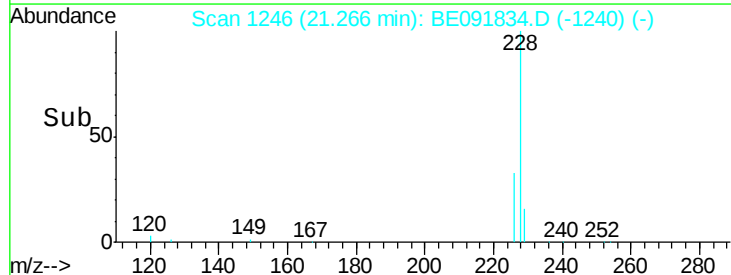
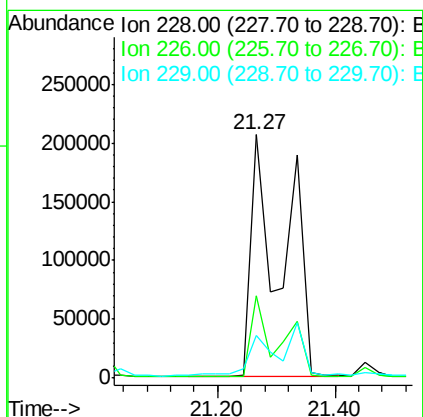
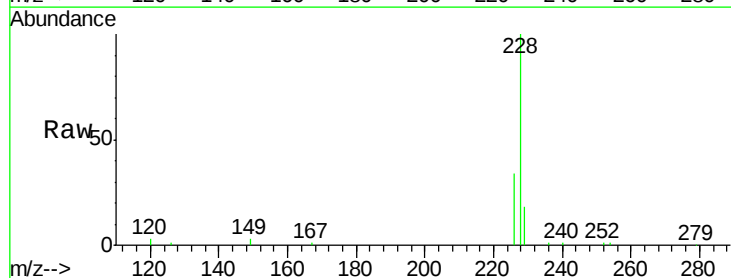
Instrument :
 BNA_E
 ClientSampleId :
 NC-TS-002MSD

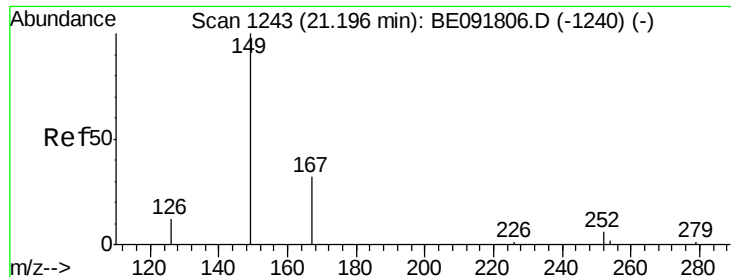
Tgt Ion: 252 Resp: 8151
 Ion Ratio Lower Upper
 252 100
 254 63.6 51.1 76.7
 126 70.9 12.6 18.8#



#32
 Chrysene
 Concen: 16.42 ng
 RT: 21.27 min Scan# 1246
 Delta R.T. -0.07 min
 Lab File: BE091834.D
 Acq: 20 May 2016 7:36

Tgt Ion: 228 Resp: 762196
 Ion Ratio Lower Upper
 228 100
 226 33.8 24.0 36.0
 229 17.5 15.9 23.9

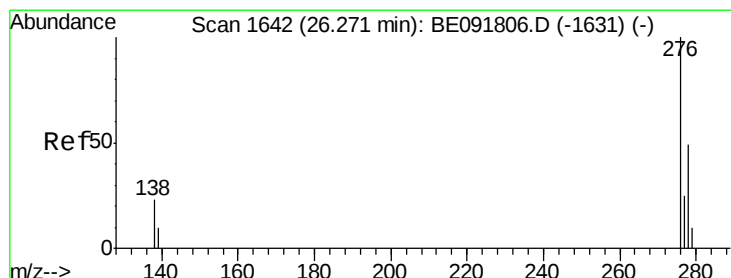
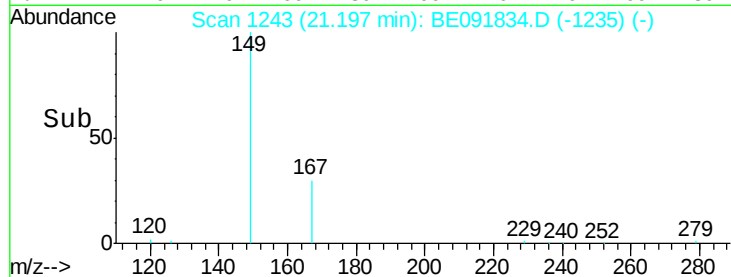
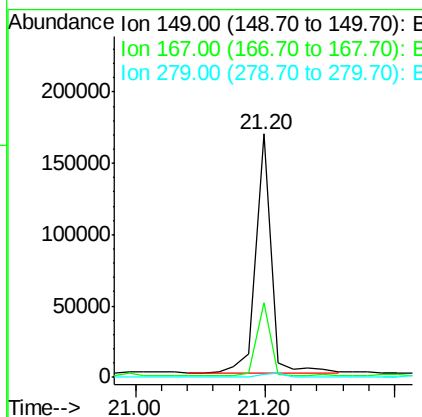
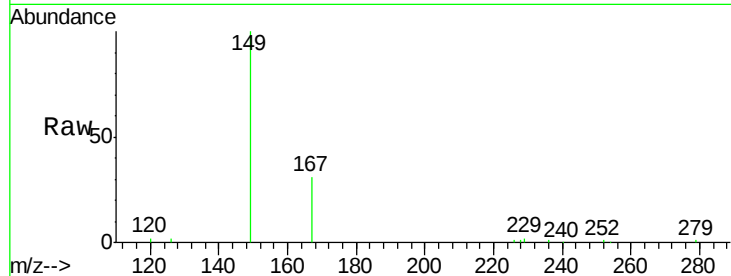




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 8.93 ng
 RT: 21.20 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: BE091834.D
 Acq: 20 May 2016 7:36

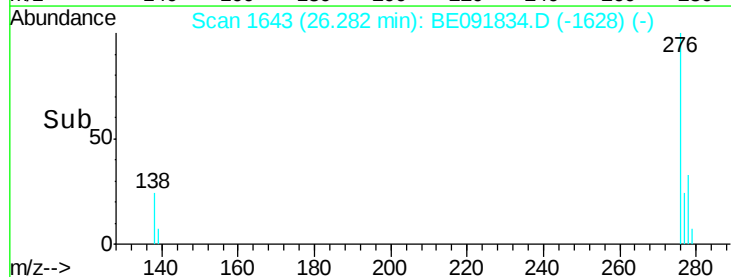
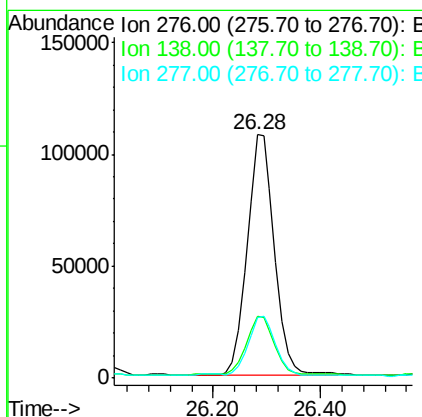
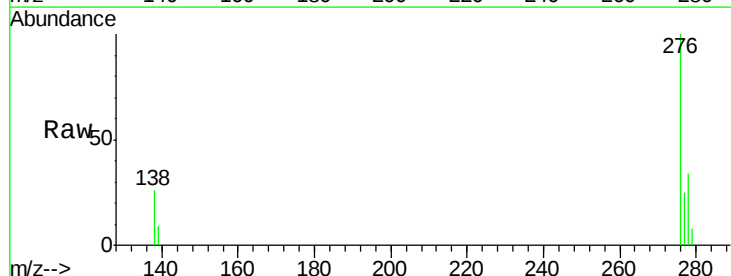
Instrument :
 BNA_E
 ClientSampleId :
 NC-TS-002MSD

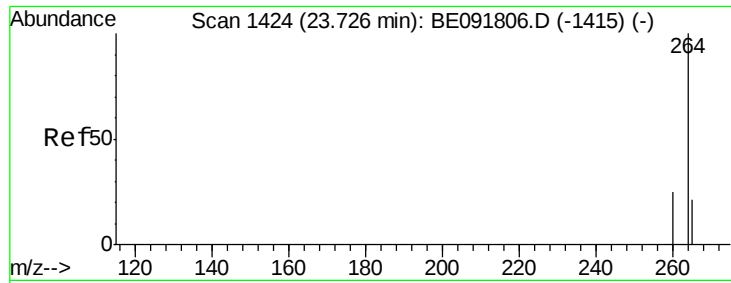
Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.9	19.5	29.3
279	0.0	10.0	15.0



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 6.93 ng
 RT: 26.28 min Scan# 1643
 Delta R.T. -0.02 min
 Lab File: BE091834.D
 Acq: 20 May 2016 7:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.0	23.4	35.2
277	23.9	19.8	29.8

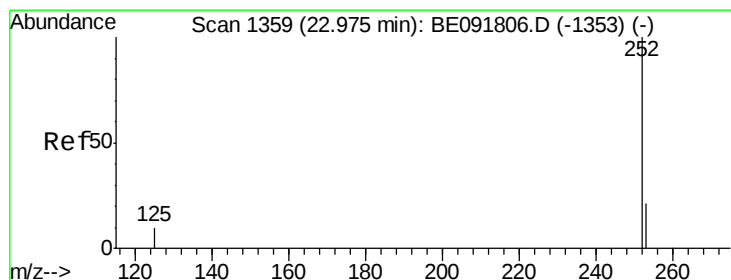
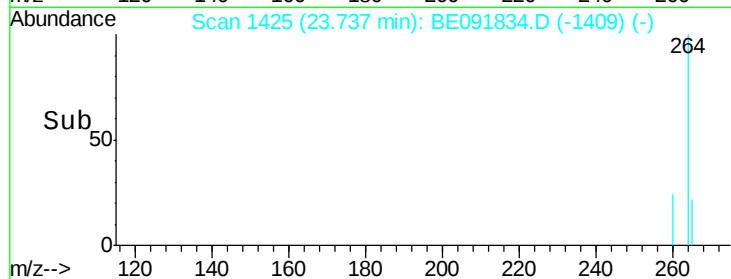
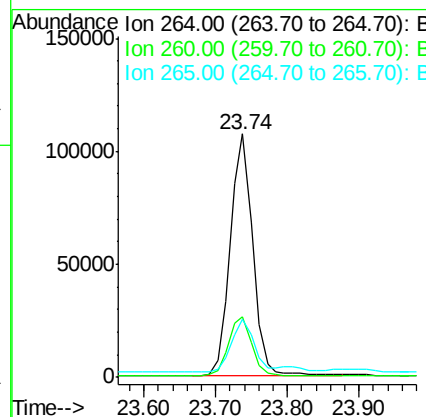
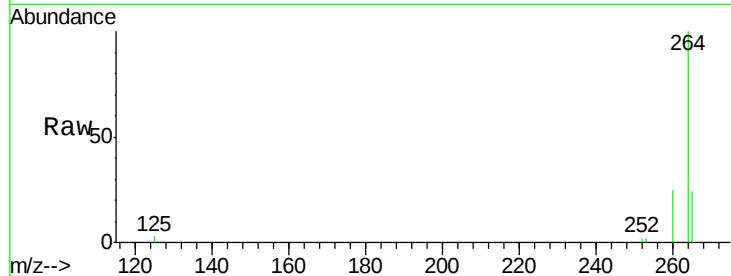




#35
Perylene-d12
 Concen: 5.00 ng
 RT: 23.74 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BE091834.D
 Acq: 20 May 2016 7:36

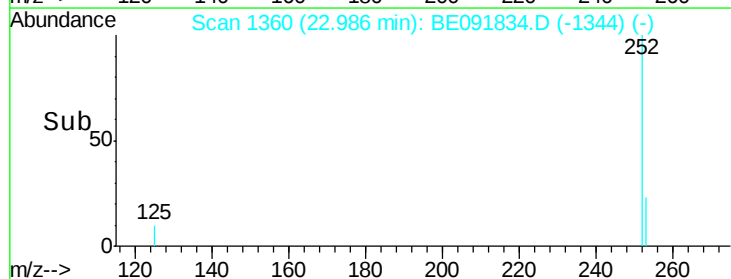
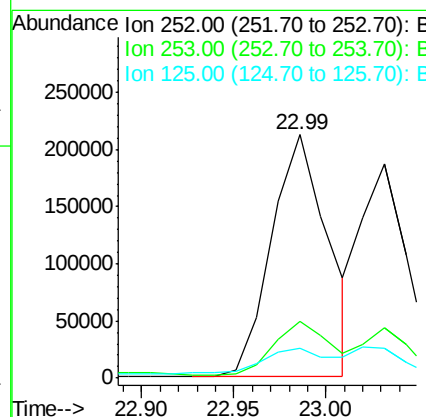
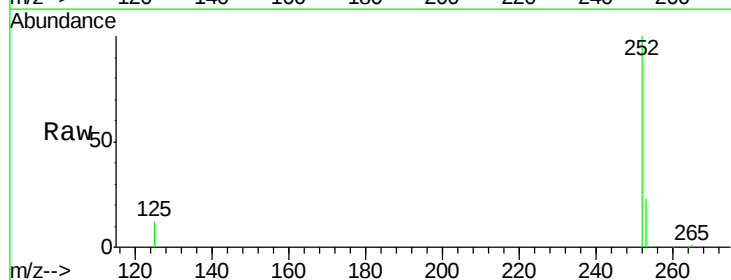
Instrument :
 BNA_E
 ClientSampleId :
 NC-TS-002MSD

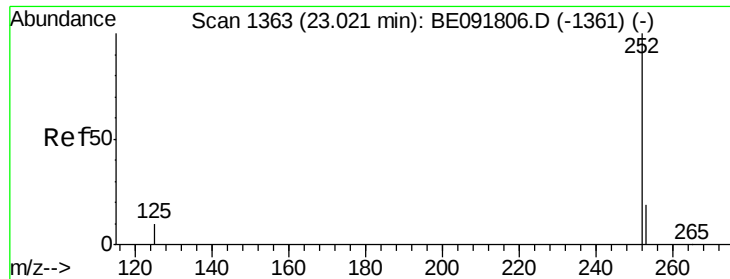
Tgt Ion: 264 Resp: 231802
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.0 30.0
 265 23.9 17.5 26.3



#36
Benzo(b)fluoranthene
 Concen: 7.78 ng
 RT: 22.99 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: BE091834.D
 Acq: 20 May 2016 7:36

Tgt Ion: 252 Resp: 450866
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.4 26.0
 125 12.1 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 5.38 ng

RT: 23.03 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

Instrument :

BNA_E

ClientSampleId :

NC-TS-002MSD

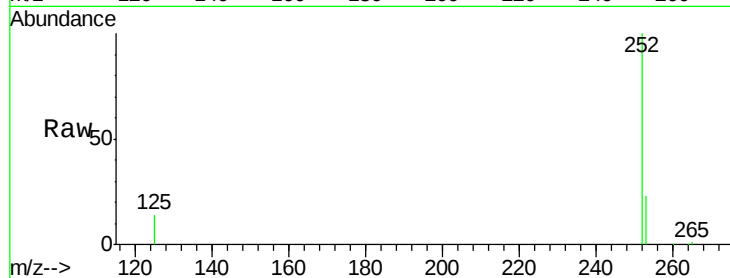
Tgt Ion:252 Resp: 319257

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

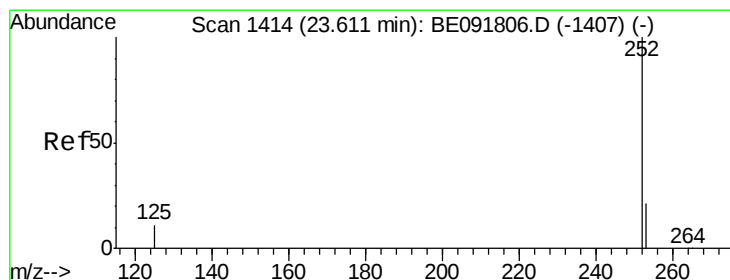
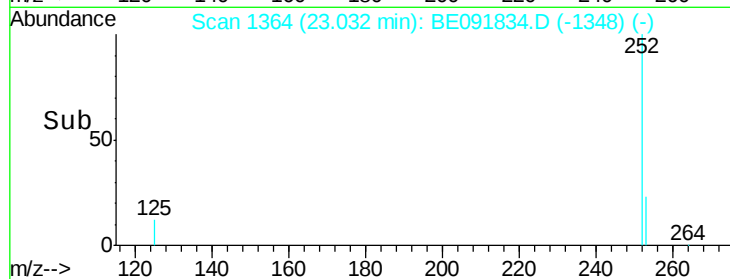
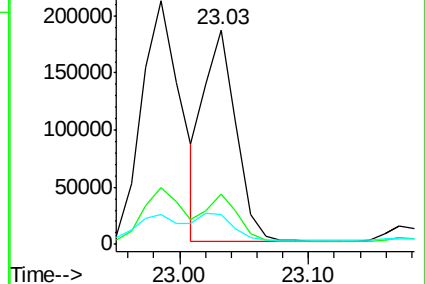
125 13.6 9.9 14.9



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: 6.96 ng

RT: 23.62 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

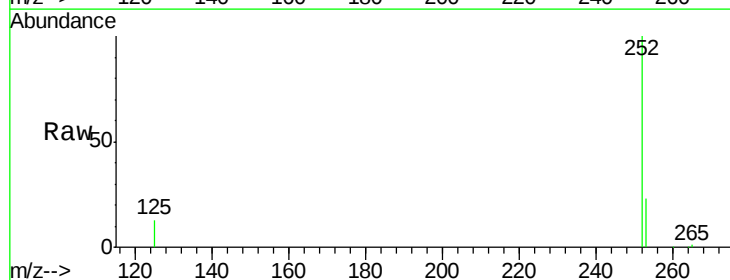
Tgt Ion:252 Resp: 385128

Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

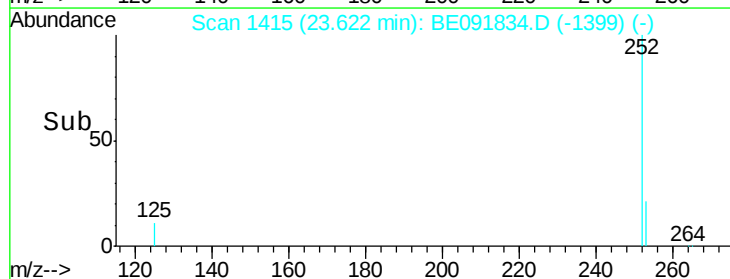
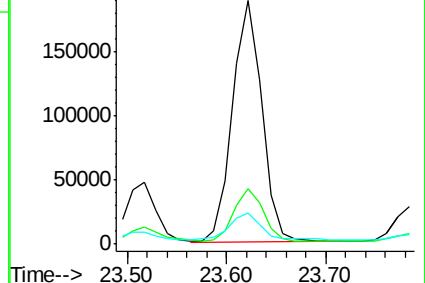
125 12.6 11.0 16.4



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: 4.84 ng

RT: 26.30 min Scan# 1645

Delta R.T. -0.04 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

Instrument :

BNA_E

ClientSampleId :

NC-TS-002MSD

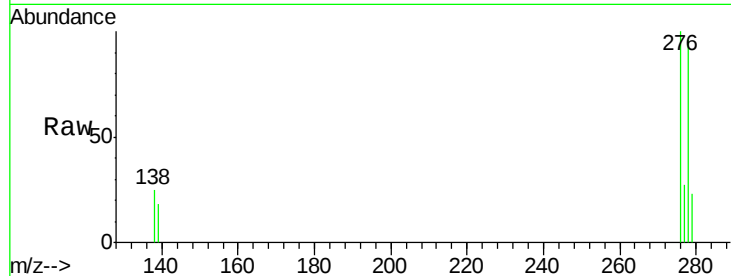
Tgt Ion: 278 Resp: 261556

Ion Ratio Lower Upper

278 100

139 19.0 16.0 24.0

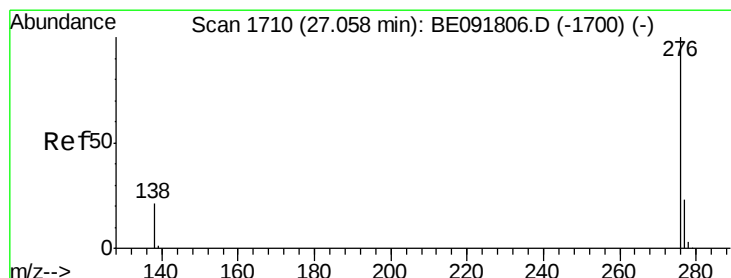
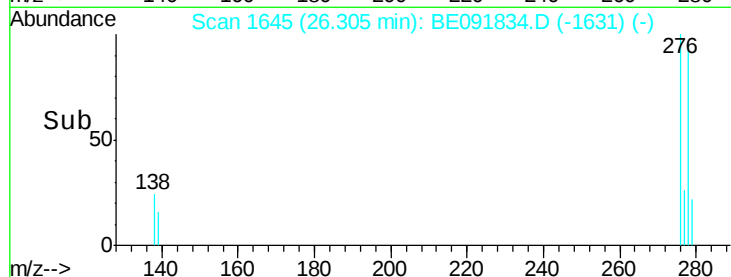
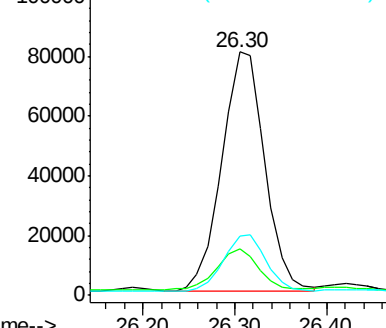
279 24.4 19.4 29.2



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: 6.07 ng

RT: 27.08 min Scan# 1712

Delta R.T. -0.02 min

Lab File: BE091834.D

Acq: 20 May 2016 7:36

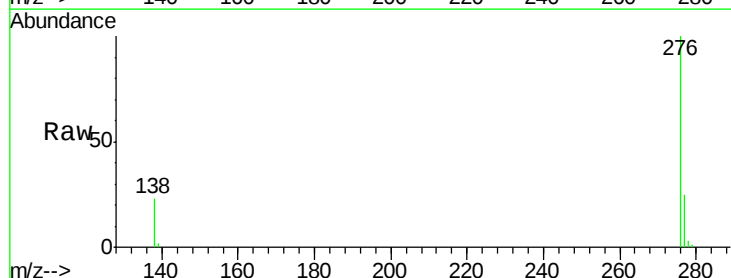
Tgt Ion: 276 Resp: 338692

Ion Ratio Lower Upper

276 100

277 24.6 18.6 28.0

138 22.5 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

