

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051916\
 Data File : BE091812.D
 Acq On : 19 May 2016 16:23
 Operator : UM/SJ
 Sample : H3065-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DUP-0343-160511

Quant Time: May 20 04:47:36 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	26289	5.00	ng	-0.02
7) Naphthalene-d8	10.55	136	134358	5.00	ng	-0.02
13) Acenaphthene-d10	14.41	164	91954	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	279306	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	327822	5.00	ng	-0.02
35) Perylene-d12	23.73	264	271440	5.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	13637	1.98	ng	0.00
5) Phenol-d6	6.95	99	11491	1.19	ng	0.00
8) Nitrobenzene-d5	8.95	82	27691	3.11	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	26294	7.37	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	91615	3.52	ng	-0.01
29) Terphenyl-d14	19.74	244	217830	4.69	ng	-0.02

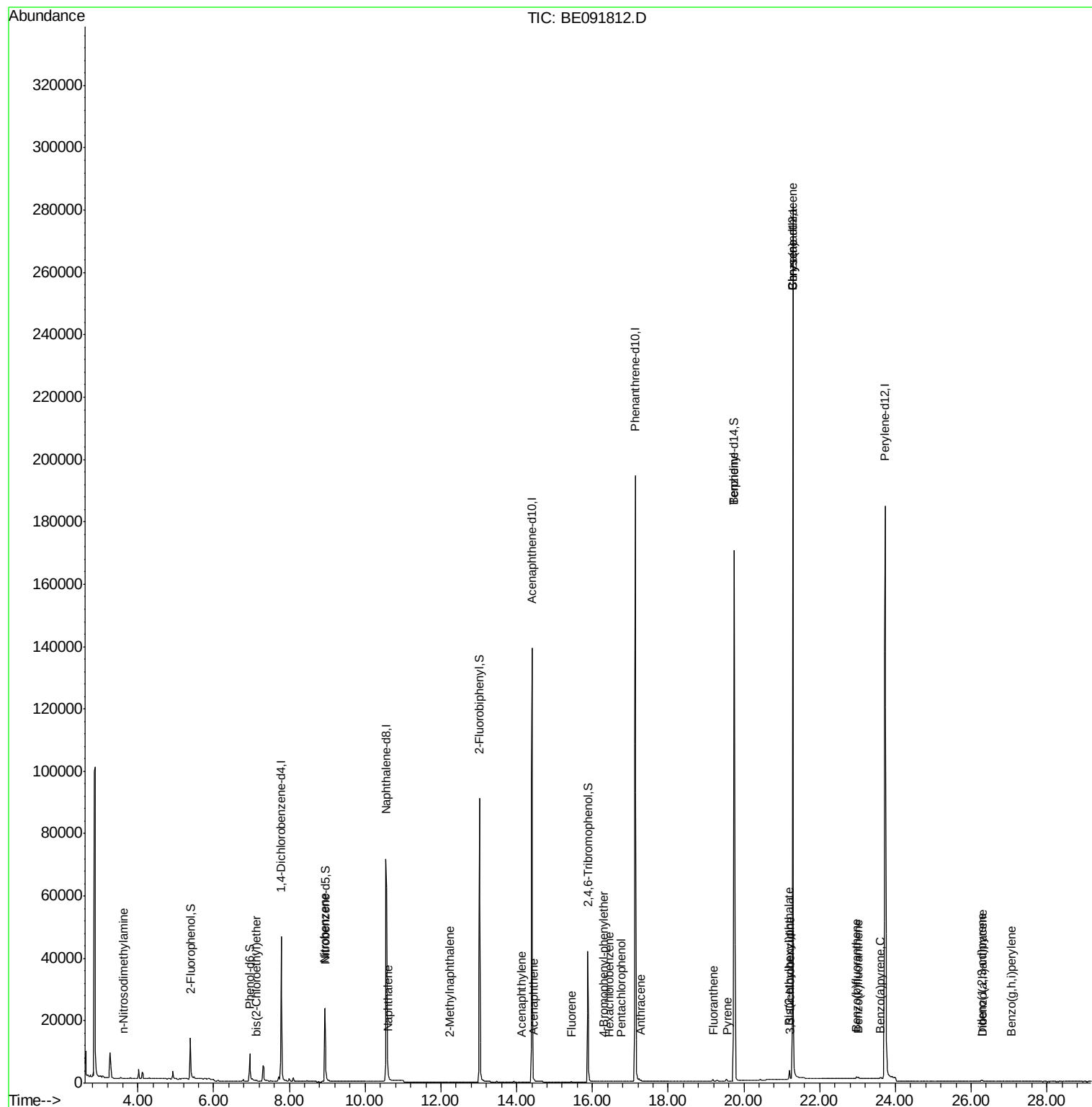
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.61	42	39	0.01	ng	# 2
6) bis(2-Chloroethyl)ether	7.13	93	43	0.01	ng	# 43
9) Nitrobenzene	8.93	77	96	0.01	ng	# 35
10) Naphthalene	10.61	128	246	0.01	ng	# 26
12) 2-Methylnaphthalene	12.23	142	94	0.00	ng	# 74
16) Acenaphthylene	14.12	152	188	0.00	ng	# 1
17) Acenaphthene	14.46	154	52	0.00	ng	# 13
18) Fluorene	15.44	166	130	0.00	ng	# 90
20) 4-Bromophenyl-phenylether	16.31	248	16	0.00	ng	# 2
21) Hexachlorobenzene	16.45	284	16	0.00	ng	# 38
22) Pentachlorophenol	16.76	266	199	0.04	ng	# 48
23) Phenanthrene	17.17	178	868	Below Cal		# 1
24) Anthracene	17.26	178	243	0.00	ng	# 98
25) Fluoranthene	19.19	202	722	0.01	ng	# 94
27) Benzidine	19.74	184	3448	0.16	ng	# 90
28) Pyrene	19.55	202	707	0.01	ng	# 95
30) Benzo(a)anthracene	21.29	228	2145	0.03	ng	# 74
31) 3,3'-Dichlorobenzidine	21.22	252	296	0.01	ng	# 56
32) Chrysene	21.29	228	2156	0.07	ng	# 71
33) Bis(2-ethylhexyl)phthalate	21.20	149	3476	0.32	ng	# 85
34) Indeno(1,2,3-cd)pyrene	26.27	276	685	0.01	ng	# 98
36) Benzo(b)fluoranthene	22.98	252	919	0.01	ng	# 1
37) Benzo(k)fluoranthene	23.02	252	539	0.01	ng	# 1
38) Benzo(a)pyrene	23.61	252	303	0.00	ng	# 1
39) Dibenzo(a,h)anthracene	26.29	278	489	0.01	ng	# 1
40) Benzo(g,h,i)perylene	27.06	276	607	0.01	ng	# 47

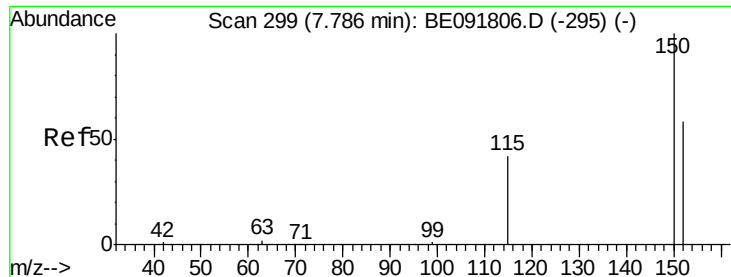
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091812.D

Acq: 19 May 2016 16:23

Instrument :

BNA_E

ClientSampleId :

DUP-0343-160511

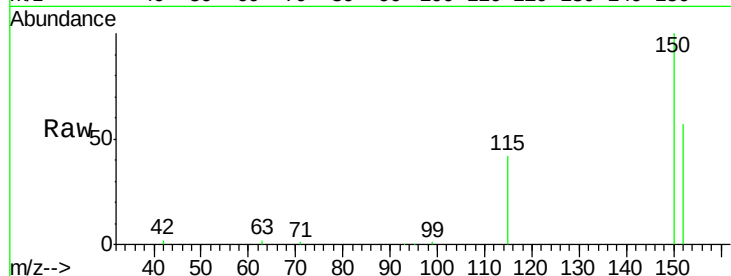
Tgt Ion:152 Resp: 26289

Ion Ratio Lower Upper

152 100

150 175.1 122.6 183.8

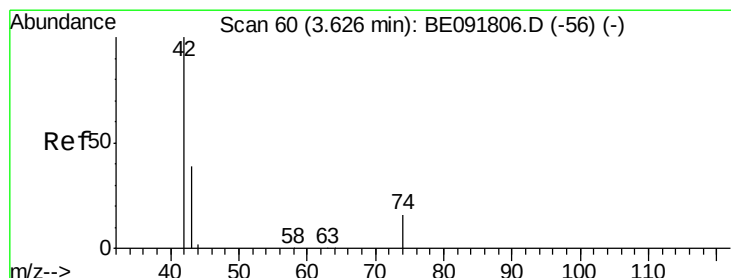
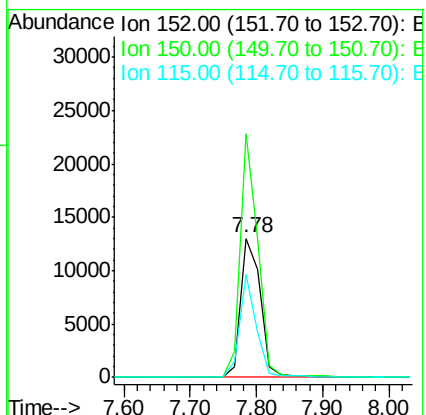
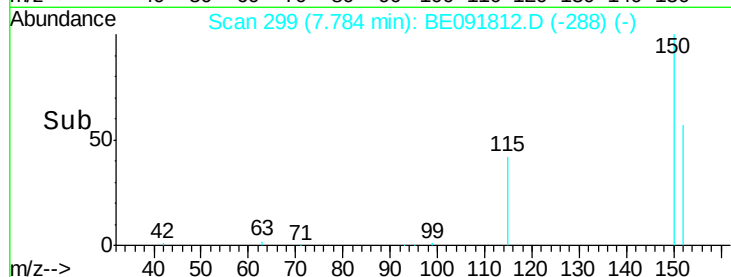
115 74.4 52.8 79.2



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



#3

n-Nitrosodimethylamine

Concen: 0.01 ng

RT: 3.61 min Scan# 59

Delta R.T. -0.02 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

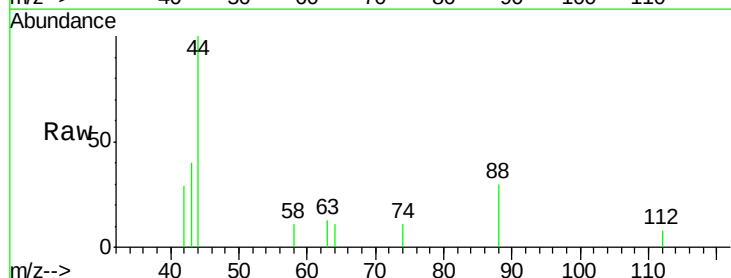
Tgt Ion: 42 Resp: 39

Ion Ratio Lower Upper

42 100

74 0.0 87.9 131.9#

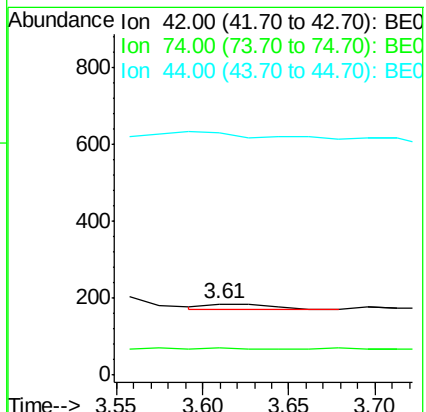
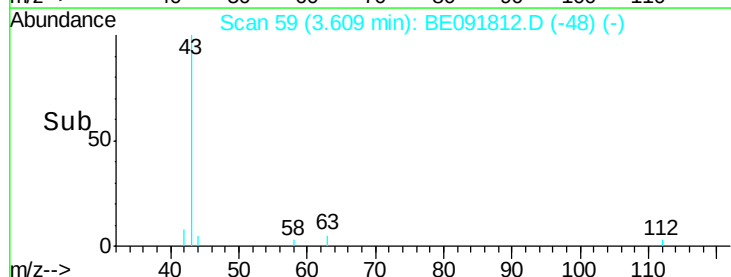
44 0.0 6.6 9.8#

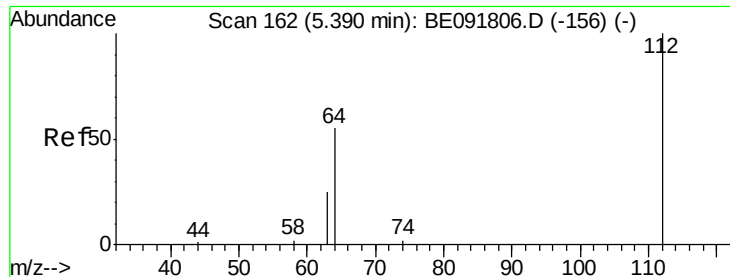


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 1.98 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

Instrument :

BNA_E

ClientSampleId :

DUP-0343-160511

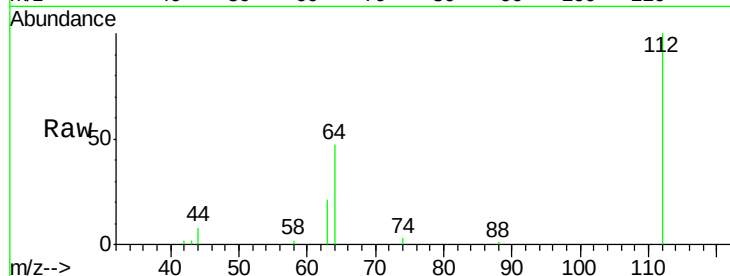
Tgt Ion:112 Resp: 13637

Ion Ratio Lower Upper

112 100

64 67.9 30.9 46.3#

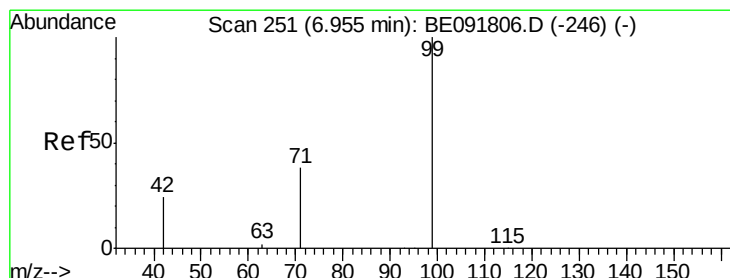
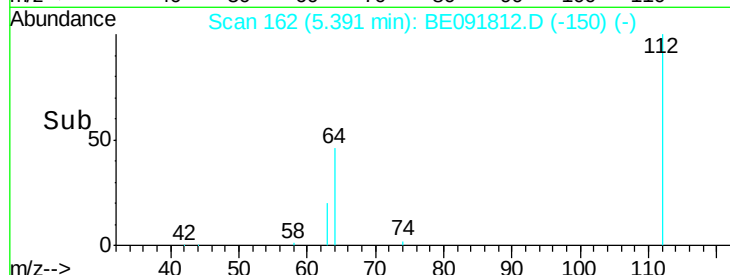
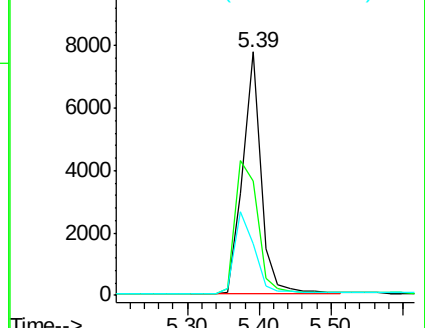
63 36.4 16.7 25.1#



Abundance Ion 112.00 (111.70 to 112.70): BE091812.D (-239) (-)

Ion 64.00 (63.70 to 64.70): BE091812.D (-239) (-)

Ion 63.00 (62.70 to 63.70): BE091812.D (-239) (-)



#5

Phenol-d6

Concen: 1.19 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

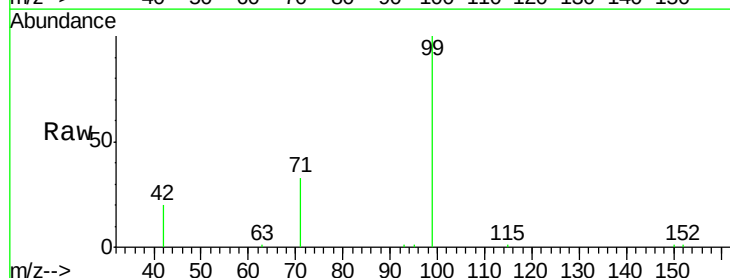
Tgt Ion: 99 Resp: 11491

Ion Ratio Lower Upper

99 100

42 23.6 16.2 24.2

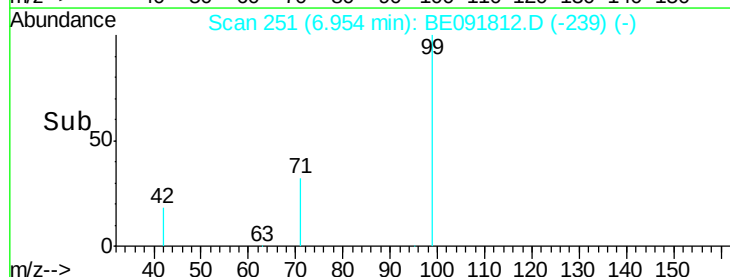
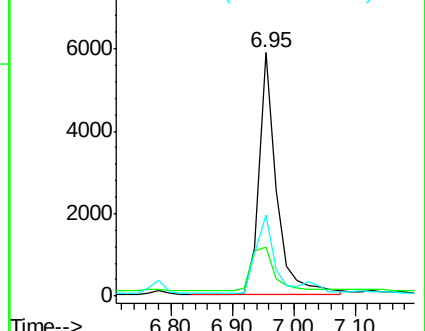
71 34.2 29.0 43.4

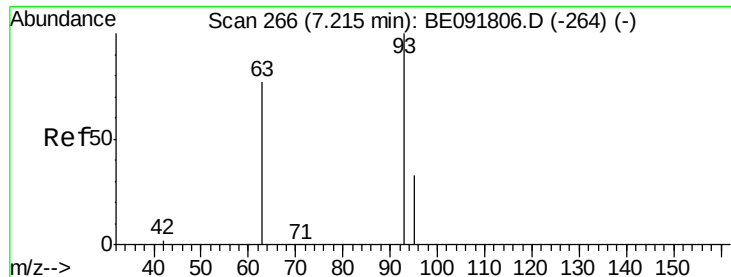


Abundance Ion 99.00 (98.70 to 99.70): BE091812.D (-239) (-)

Ion 42.00 (41.70 to 42.70): BE091812.D (-239) (-)

Ion 71.00 (70.70 to 71.70): BE091812.D (-239) (-)





#6

bis(2-Chloroethyl)ether

Concen: 0.01 ng

RT: 7.13 min Scan# 261

Delta R.T. -0.09 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

Instrument :

BNA_E

ClientSampleId :

DUP-0343-160511

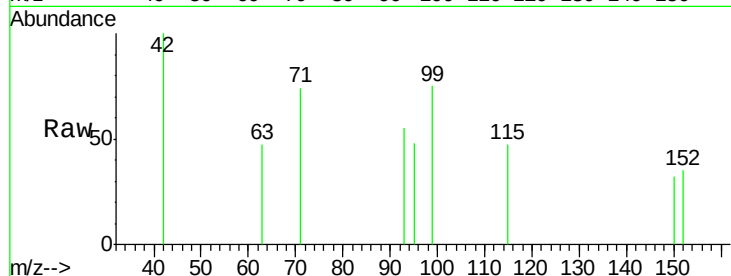
Tgt Ion: 93 Resp: 43

Ion Ratio Lower Upper

93 100

63 0.0 49.5 74.3#

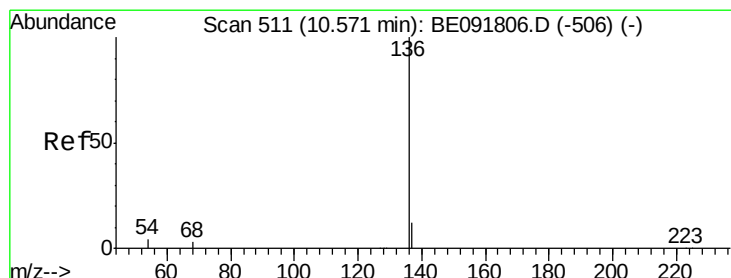
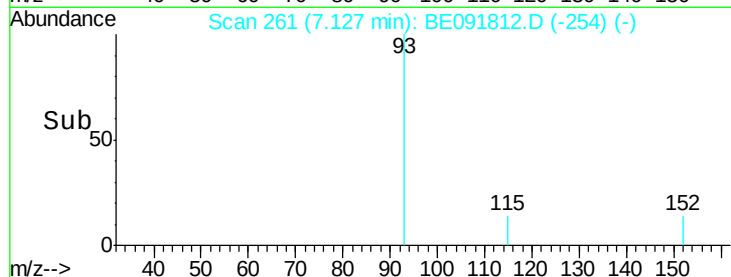
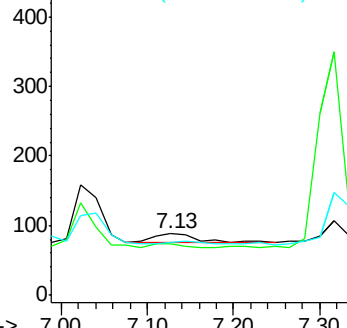
95 25.6 22.2 33.4



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: 10.55 min Scan# 510

Delta R.T. -0.02 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

Tgt Ion: 136 Resp: 134358

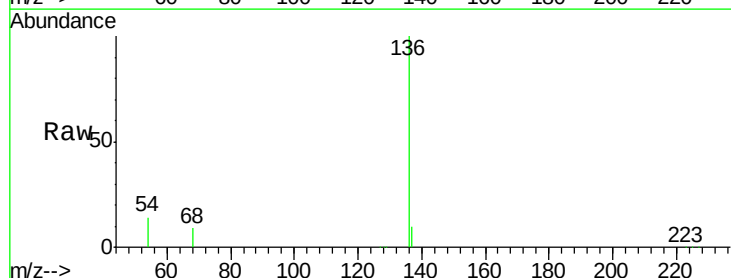
Ion Ratio Lower Upper

136 100

137 9.7 8.9 13.3

54 13.7 8.2 12.4#

68 9.4 6.2 9.4#

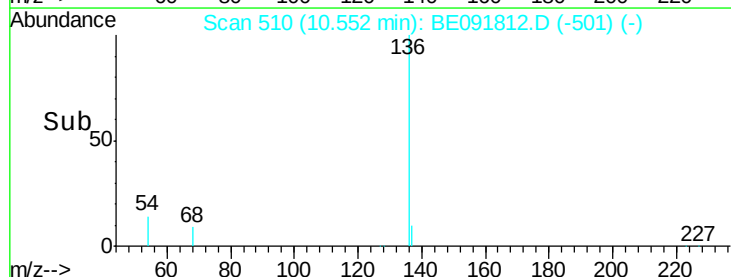
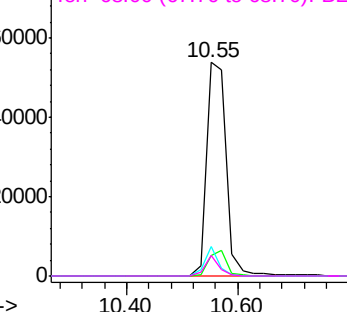


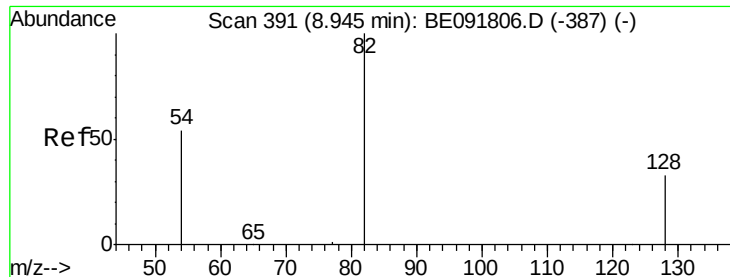
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.11 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

Instrument :

BNA_E

ClientSampleId :

DUP-0343-160511

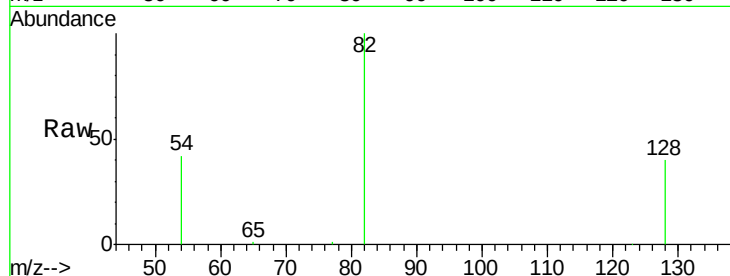
Tgt Ion: 82 Resp: 27691

Ion Ratio Lower Upper

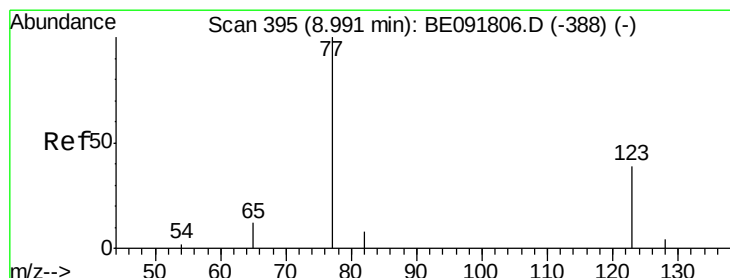
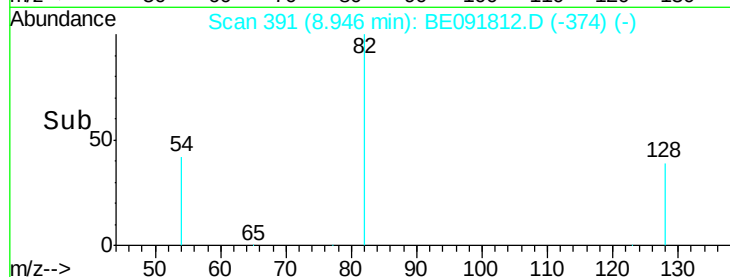
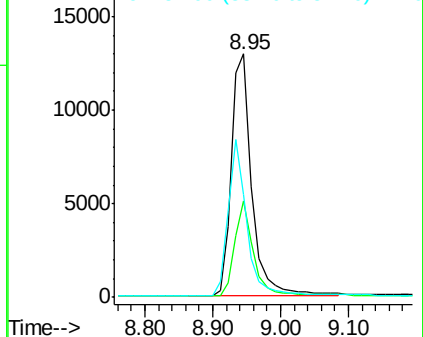
82 100

128 39.7 25.4 38.0#

54 42.2 48.4 72.6#



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#9

Nitrobenzene

Concen: 0.01 ng

RT: 8.93 min Scan# 390

Delta R.T. -0.06 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

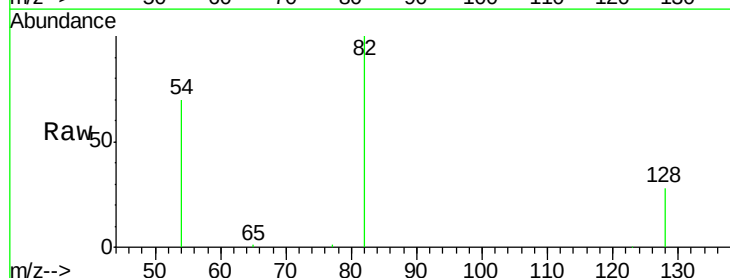
Tgt Ion: 77 Resp: 96

Ion Ratio Lower Upper

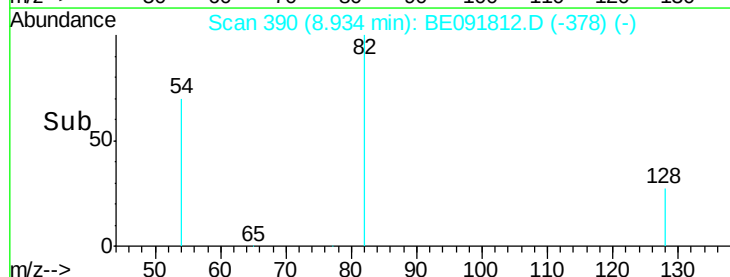
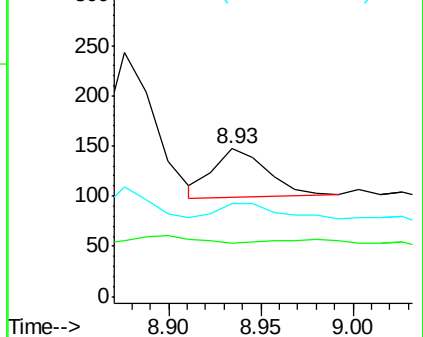
77 100

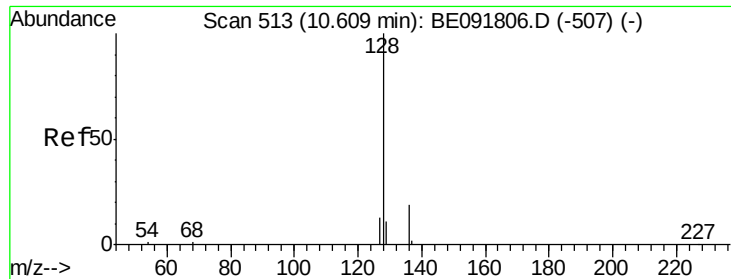
123 0.0 26.9 40.3#

65 43.8 9.4 14.2#



Abundance Ion 77.00 (76.70 to 77.70): BE0
Ion 123.00 (122.70 to 123.70): BE0
Ion 65.00 (64.70 to 65.70): BE0





#10

Naphthalene

Concen: 0.01 ng

RT: 10.61 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

Instrument :

BNA_E

ClientSampleId :

DUP-0343-160511

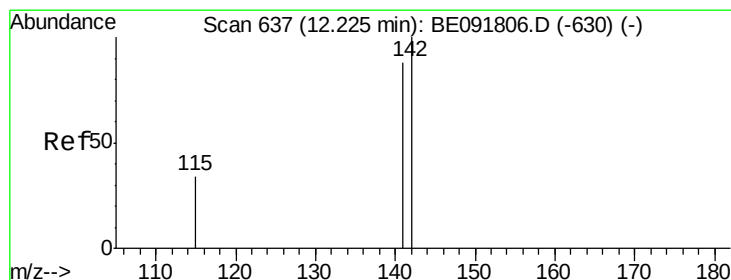
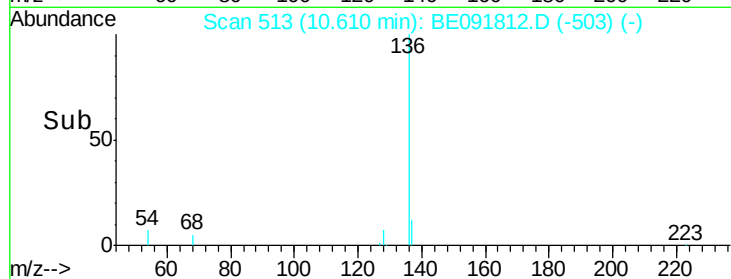
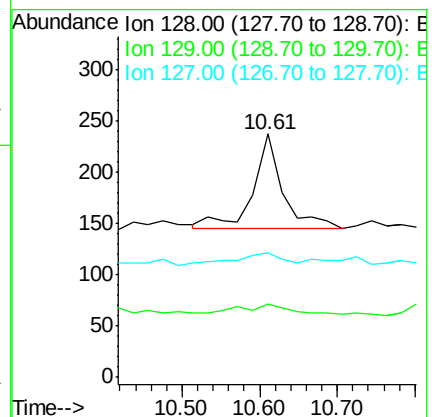
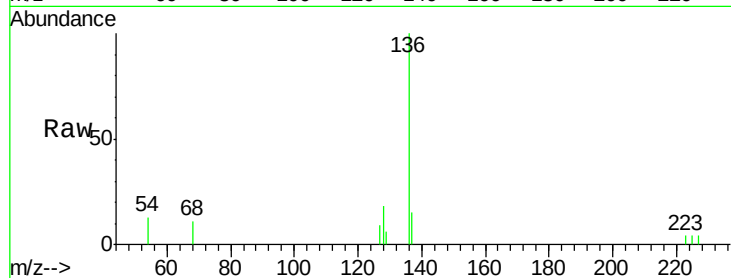
Tgt Ion:128 Resp: 246

Ion Ratio Lower Upper

128 100

129 30.4 9.3 13.9#

127 51.5 10.7 16.1#



#12

2-Methylnaphthalene

Concen: 0.00 ng

RT: 12.23 min Scan# 637

Delta R.T. -0.01 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

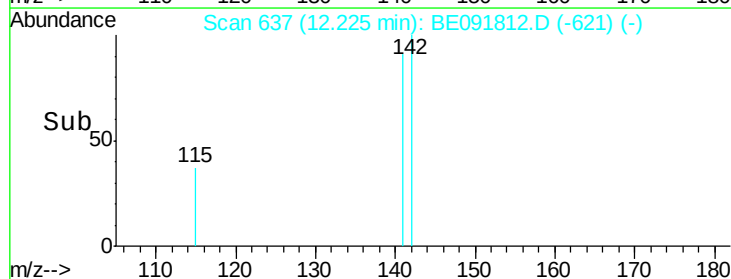
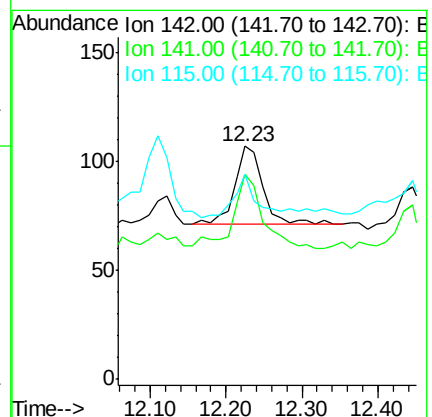
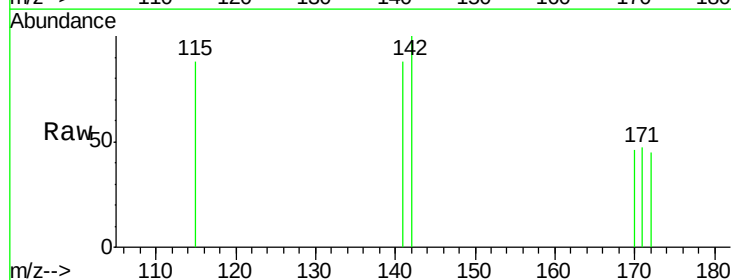
Tgt Ion:142 Resp: 94

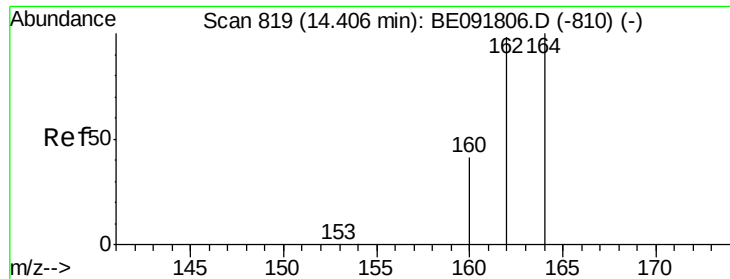
Ion Ratio Lower Upper

142 100

141 87.9 71.4 107.0

115 87.9 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: BE091812.D

Acq: 19 May 2016 16:23

Instrument :

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ClientSampleId :

DUP-0343-160511

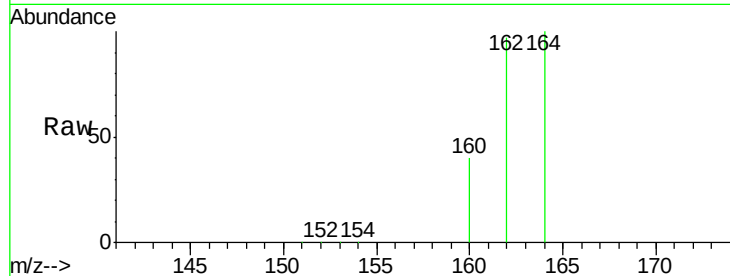
Tgt Ion:164 Resp: 91954

Ion Ratio Lower Upper

164 100

162 97.4 85.3 127.9

160 40.3 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

80000

60000

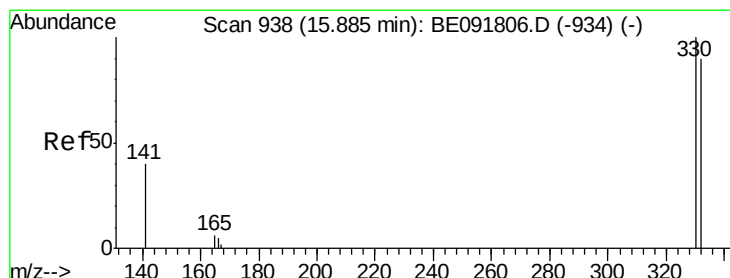
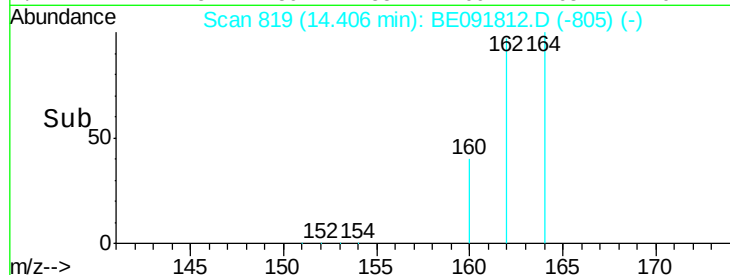
40000

20000

0

14.41

Time--> 14.20 14.40 14.60



#14

2,4,6-Tribromophenol

Concen: 7.37 ng

RT: 15.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

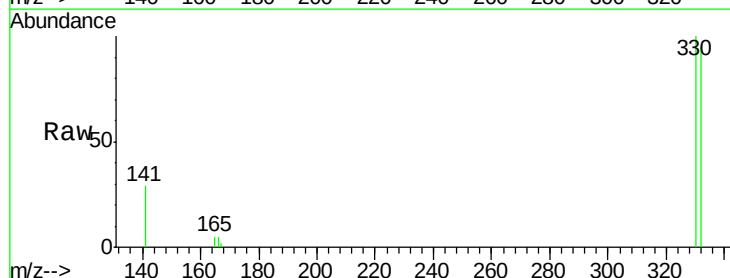
Tgt Ion:330 Resp: 26294

Ion Ratio Lower Upper

330 100

332 97.3 79.1 118.7

141 41.6 125.4 188.0#



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

25000

20000

15000

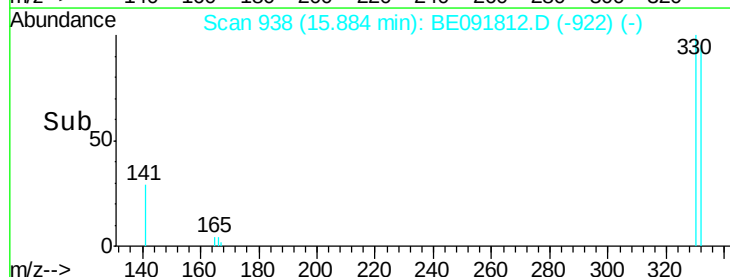
10000

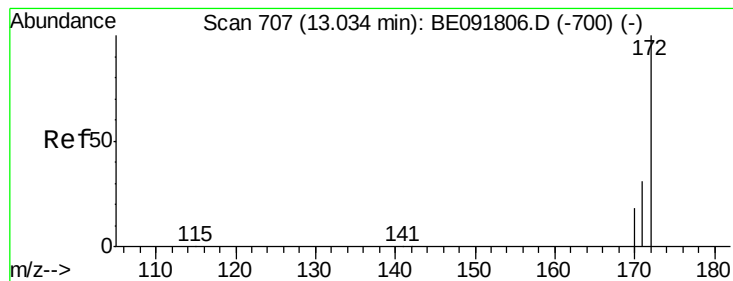
5000

0

15.88

Time--> 15.80 15.90 16.00

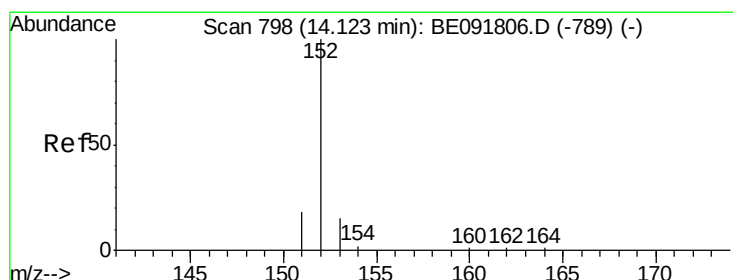
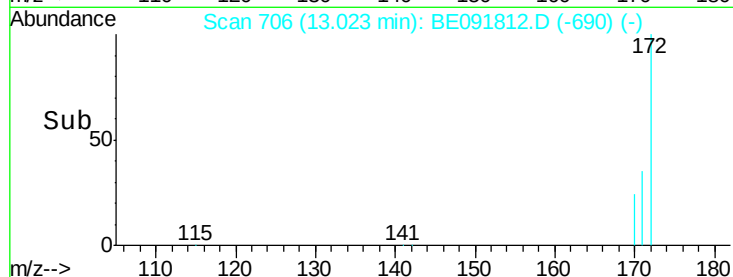
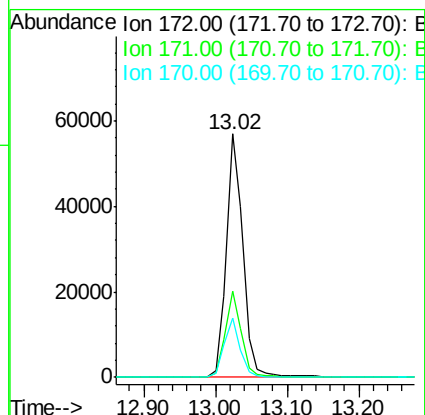
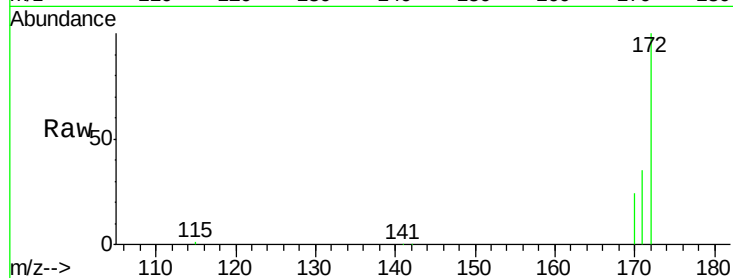




#15
2-Fluorobiphenyl
Concen: 3.52 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091812.D
Acq: 19 May 2016 16:23

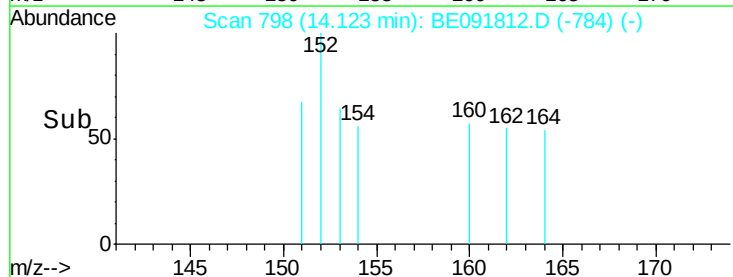
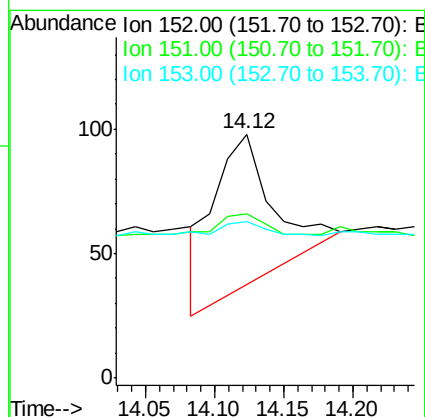
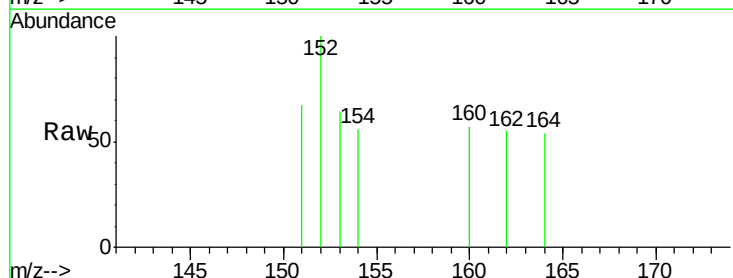
Instrument :
BNA_E
ClientSampleId :
DUP-0343-160511

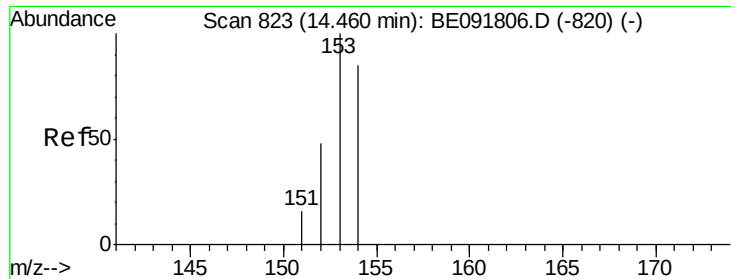
Tgt Ion:172 Resp: 91615
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 24.1 19.3 28.9



#16
Acenaphthylene
Concen: 0.00 ng
RT: 14.12 min Scan# 798
Delta R.T. 0.00 min
Lab File: BE091812.D
Acq: 19 May 2016 16:23

Tgt Ion:152 Resp: 188
Ion Ratio Lower Upper
152 100
151 316.0 3.9 5.9#
153 0.0 10.3 15.5#





#17

Acenaphthene

Concen: 0.00 ng

RT: 14.46 min Scan# 823

Delta R.T. -0.01 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

Instrument :

BNA_E

ClientSampleId :

DUP-0343-160511

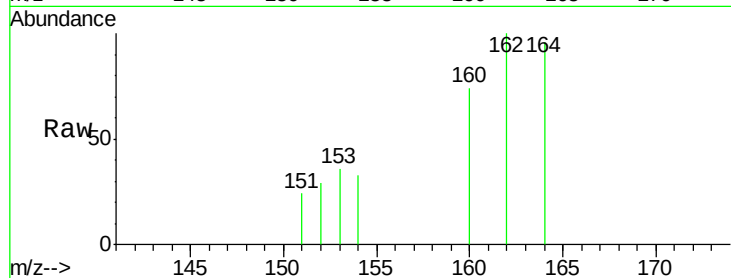
Tgt Ion:154 Resp: 52

Ion Ratio Lower Upper

154 100

153 151.9 80.0 120.0#

152 157.7 40.0 60.0#

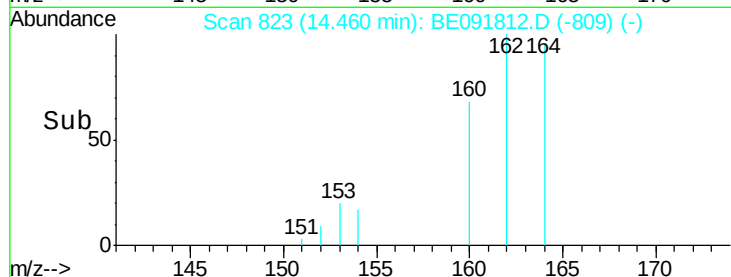


Abundance Ion 154.00 (153.70 to 154.70): E

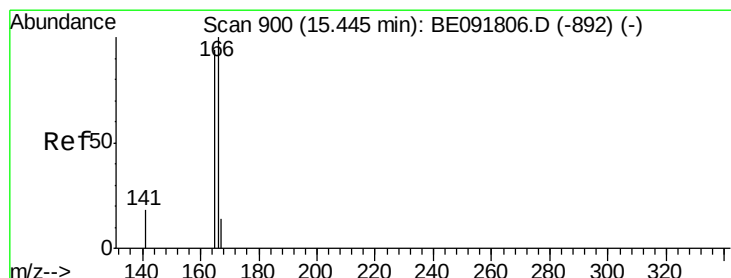
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time--> 14.40 14.45 14.50



Time--> 14.40 14.45 14.50



#18

Fluorene

Concen: 0.00 ng

RT: 15.44 min Scan# 900

Delta R.T. -0.01 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

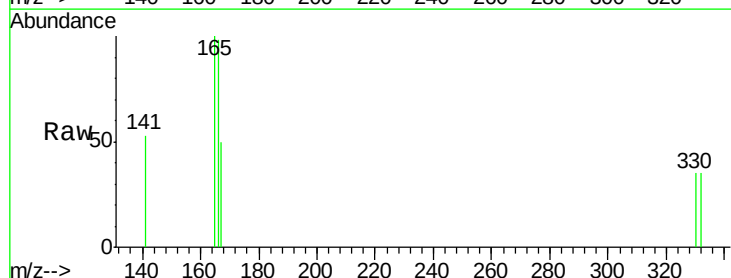
Tgt Ion:166 Resp: 130

Ion Ratio Lower Upper

166 100

165 106.2 80.8 121.2

167 32.3 10.9 16.3#

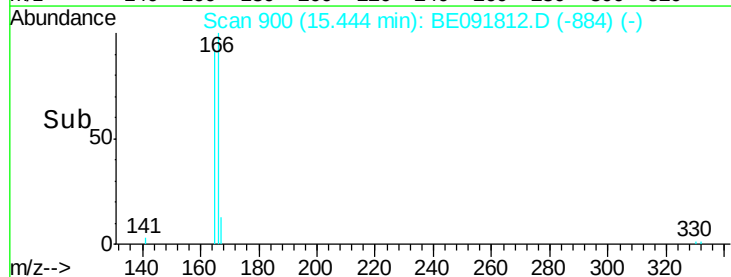


Abundance Ion 166.00 (165.70 to 166.70): E

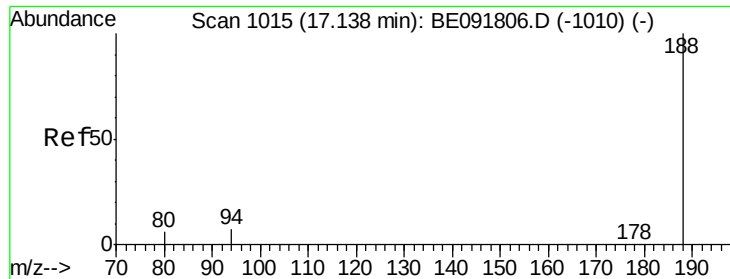
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time--> 15.40 15.50



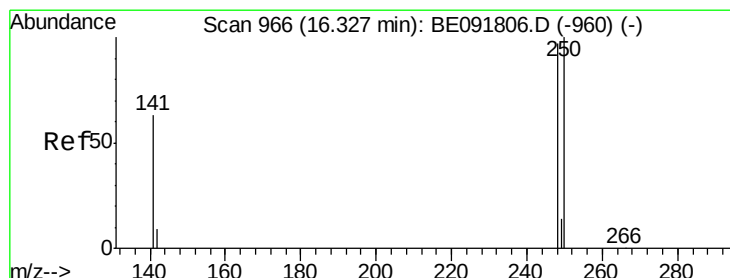
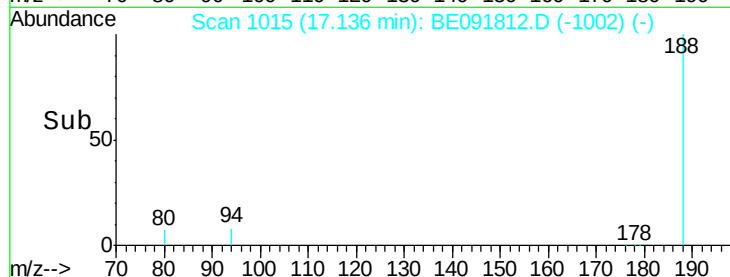
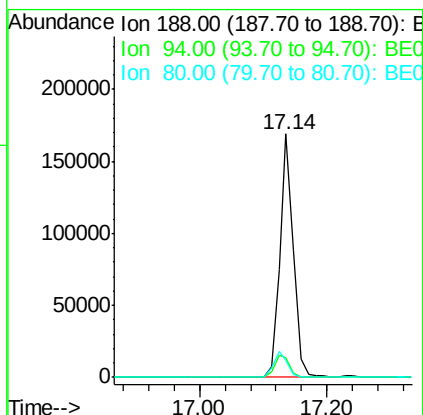
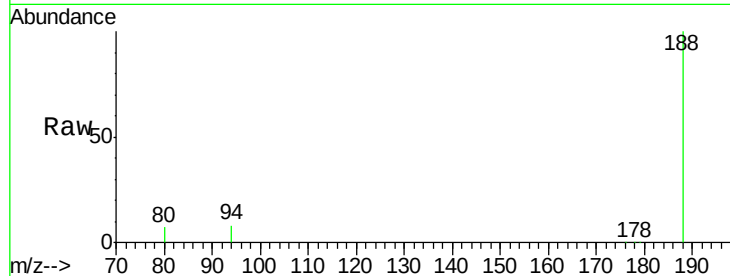
Time--> 15.40 15.50



#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BE091812.D
Acq: 19 May 2016 16:23

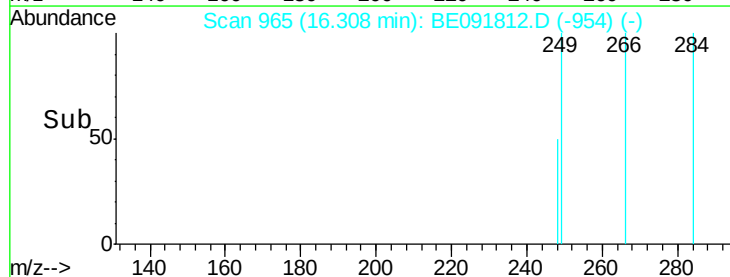
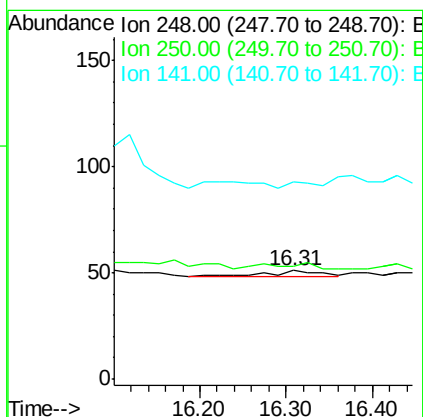
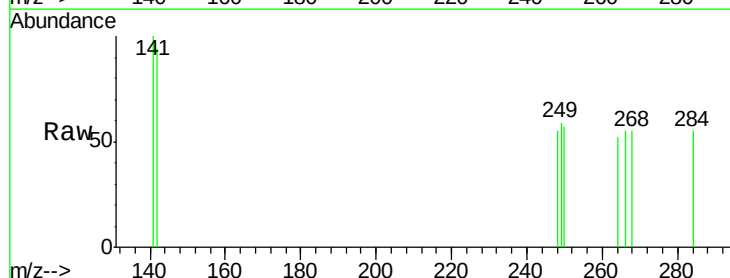
Instrument :
BNA_E
ClientSampleId :
DUP-0343-160511

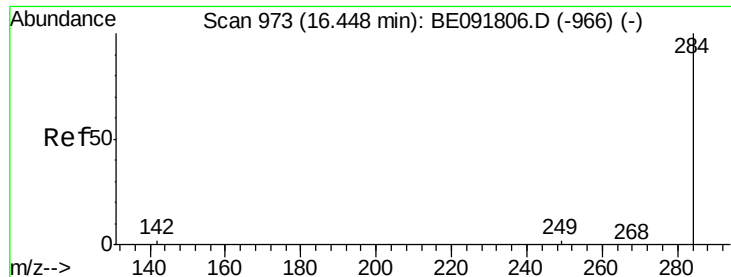
Tgt Ion:188 Resp: 279306
Ion Ratio Lower Upper
188 100
94 7.8 8.7 13.1#
80 7.2 9.4 14.0#



#20
4-Bromophenyl-phenylether
Concen: 0.00 ng
RT: 16.31 min Scan# 965
Delta R.T. -0.02 min
Lab File: BE091812.D
Acq: 19 May 2016 16:23

Tgt Ion:248 Resp: 16
Ion Ratio Lower Upper
248 100
250 0.0 80.5 120.7#
141 0.0 72.0 108.0#





#21

Hexachlorobenzene

Concen: 0.00 ng

RT: 16.45 min Scan# 973

Delta R.T. -0.00 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

Instrument :

BNA_E

ClientSampleId :

DUP-0343-160511

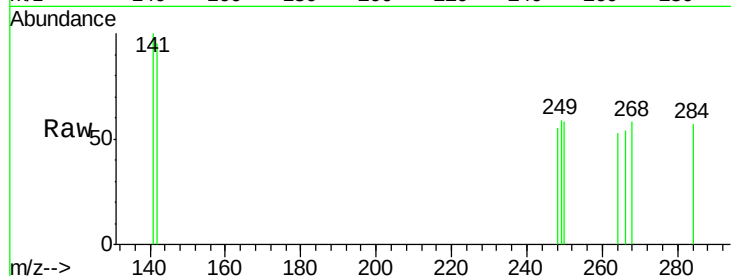
Tgt Ion: 284 Resp: 16

Ion Ratio Lower Upper

284 100

142 0.0 32.2 48.2#

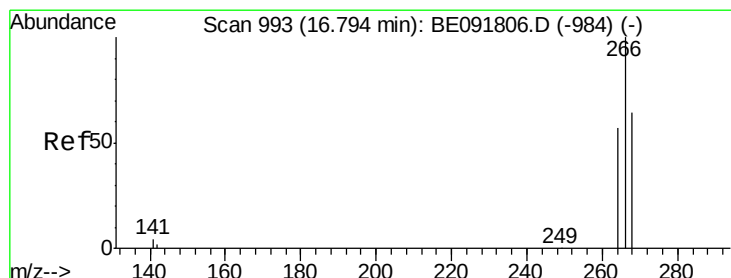
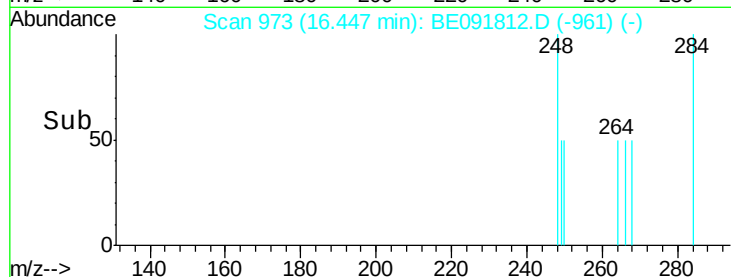
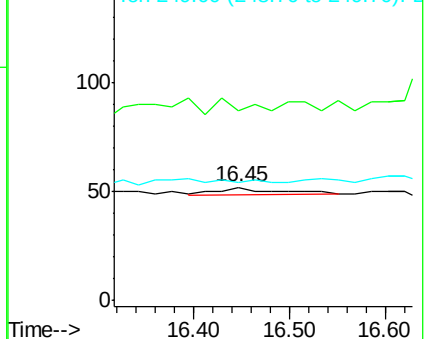
249 0.0 25.4 38.2#



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: 0.04 ng

RT: 16.76 min Scan# 991

Delta R.T. -0.03 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

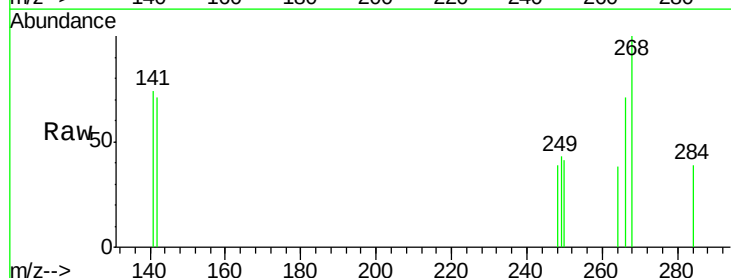
Tgt Ion: 266 Resp: 199

Ion Ratio Lower Upper

266 100

268 141.8 58.2 87.2#

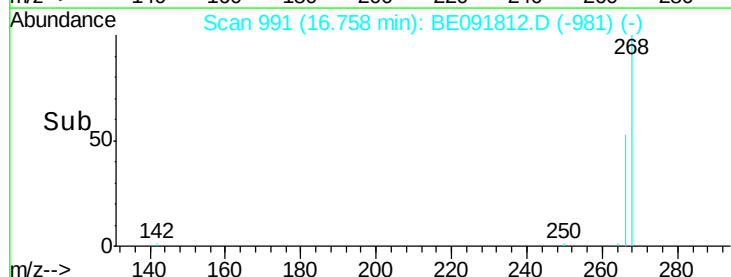
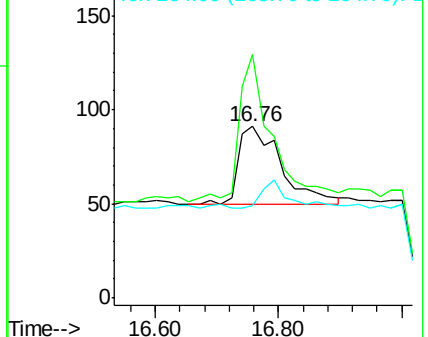
264 53.8 56.2 84.4#

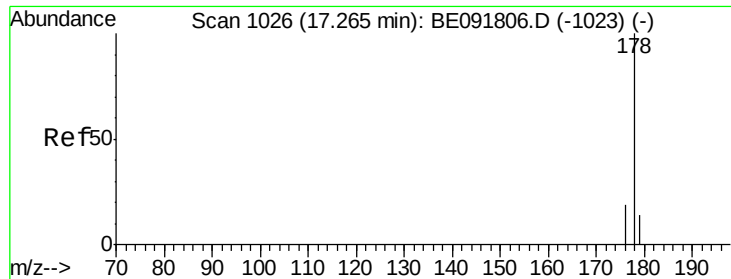


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: Below Cal

RT: 17.17 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

Instrument :

BNA_E

ClientSampleId :

DUP-0343-160511

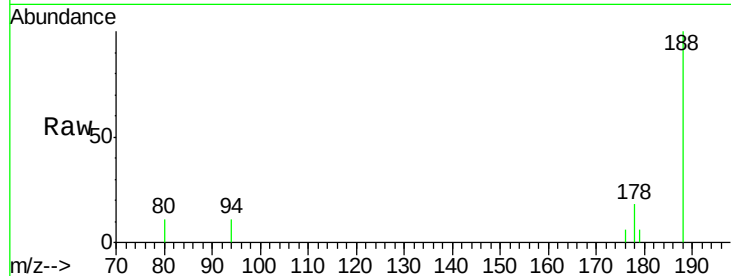
Tgt Ion:178 Resp: 868

Ion Ratio Lower Upper

178 100

176 114.3 15.3 22.9#

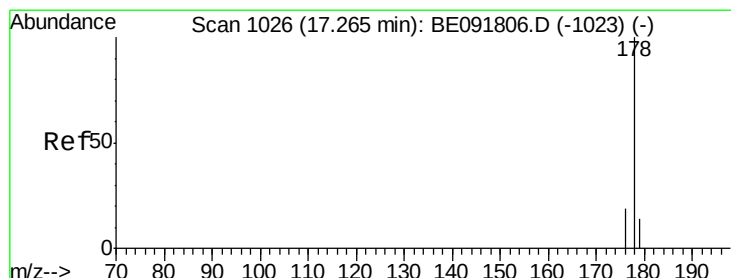
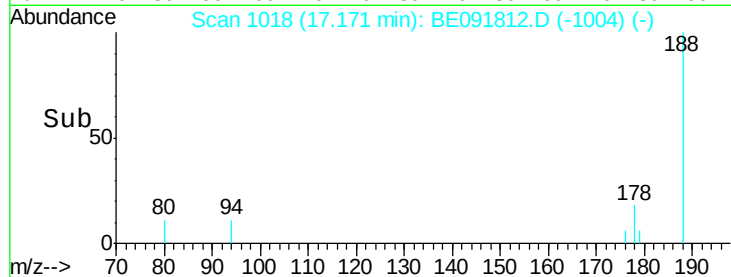
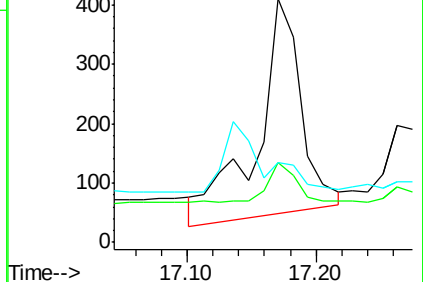
179 0.0 12.6 18.8#



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: 0.00 ng

RT: 17.26 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

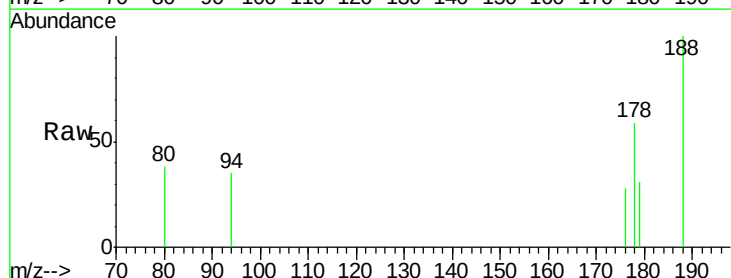
Tgt Ion:178 Resp: 243

Ion Ratio Lower Upper

178 100

176 19.3 14.6 21.8

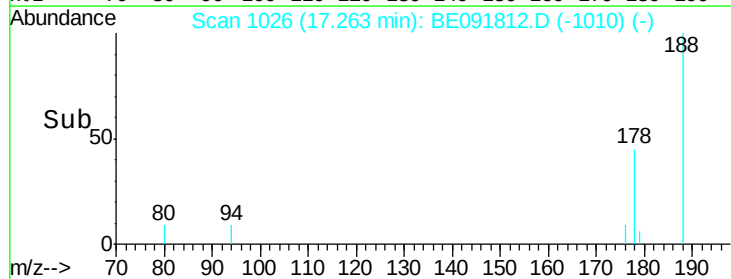
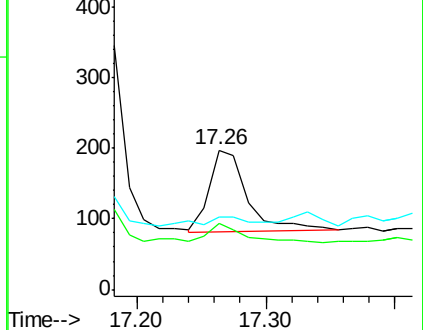
179 15.6 11.8 17.6

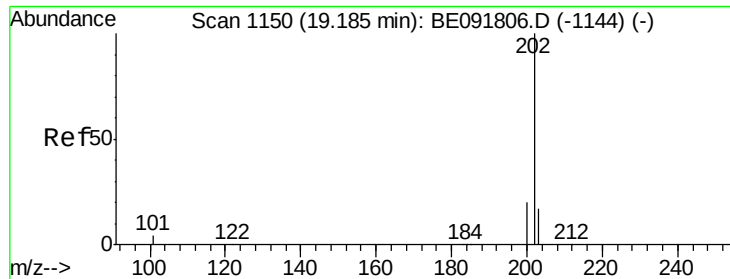


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

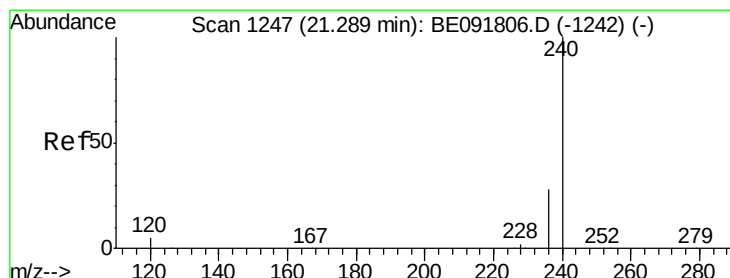
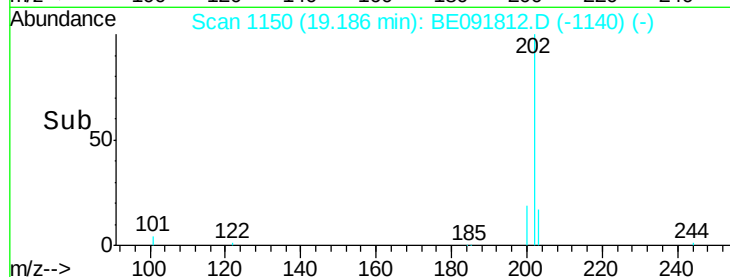
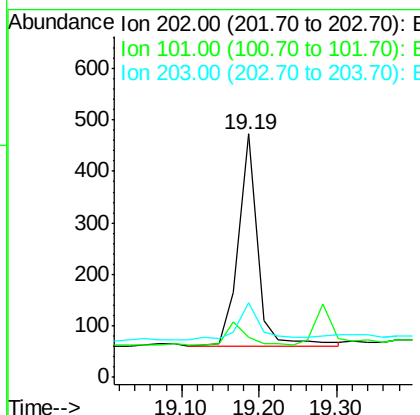
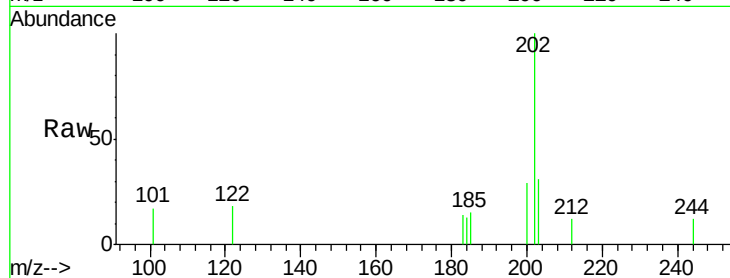




#25
 Fluoranthene
 Concen: 0.01 ng
 RT: 19.19 min Scan# 1150
 Delta R.T. -0.00 min
 Lab File: BE091812.D
 Acq: 19 May 2016 16:23

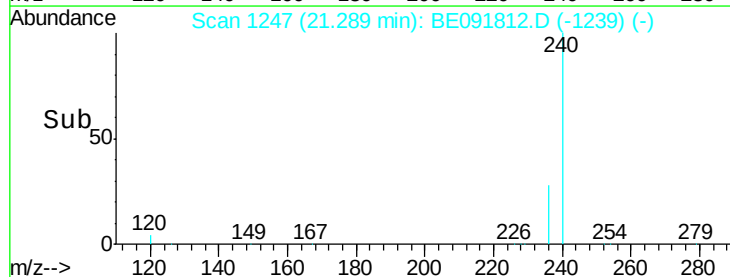
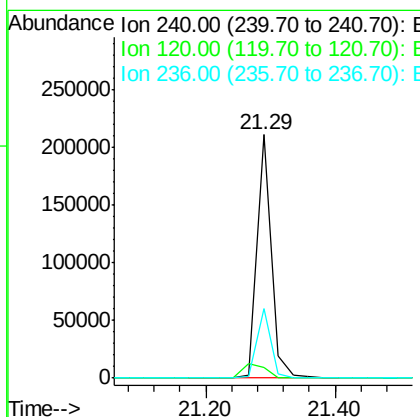
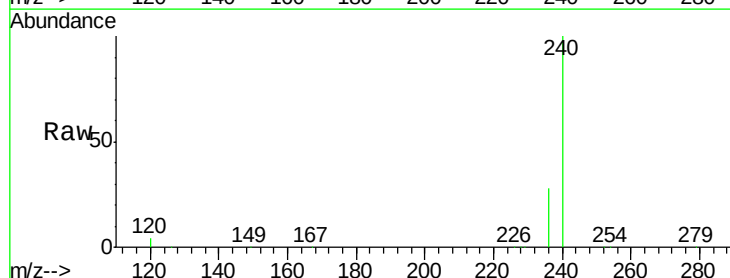
Instrument :
 BNA_E
 ClientSampleId :
 DUP-0343-160511

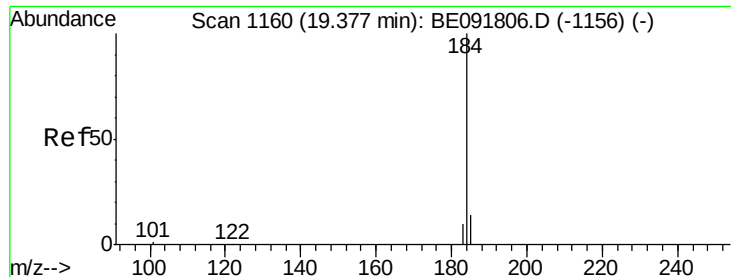
Tgt Ion:202 Resp: 722
 Ion Ratio Lower Upper
 202 100
 101 11.9 11.0 16.6
 203 20.6 13.9 20.9



#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.29 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: BE091812.D
 Acq: 19 May 2016 16:23

Tgt Ion:240 Resp: 327822
 Ion Ratio Lower Upper
 240 100
 120 4.4 11.0 16.4#
 236 28.4 21.7 32.5





#27

Benzidine

Concen: 0.16 ng

RT: 19.74 min Scan# 1179

Delta R.T. 0.37 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

Instrument :

BNA_E

ClientSampleId :

DUP-0343-160511

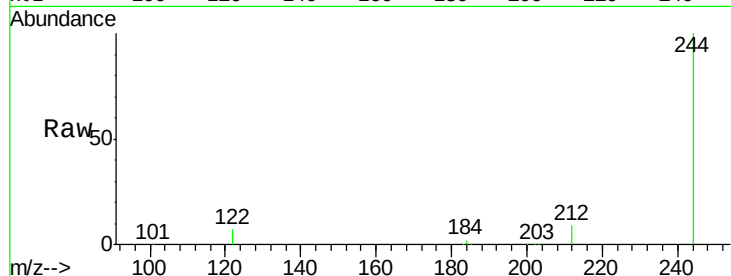
Tgt Ion:184 Resp: 3448

Ion Ratio Lower Upper

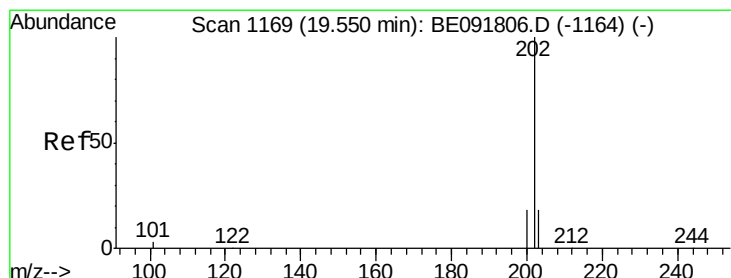
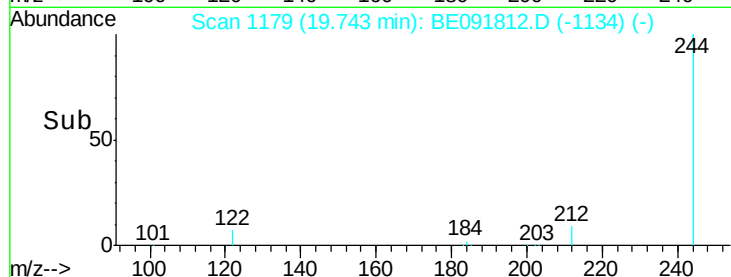
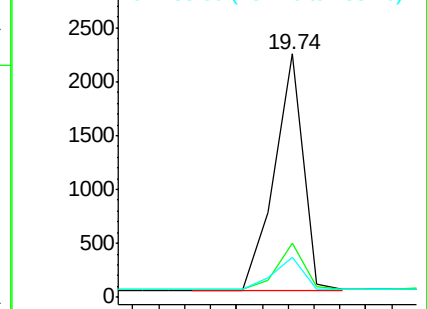
184 100

185 22.3 22.3 33.5

183 16.7 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: 0.01 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

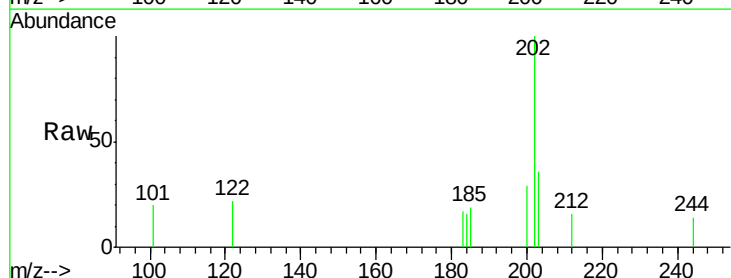
Tgt Ion:202 Resp: 707

Ion Ratio Lower Upper

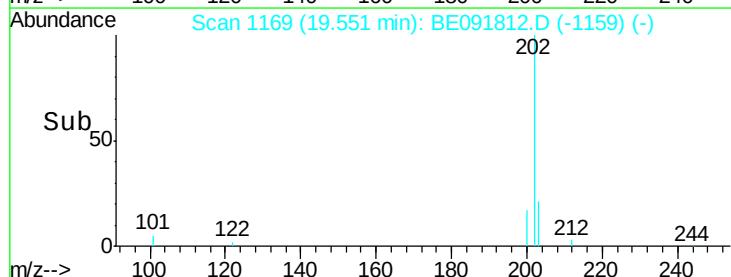
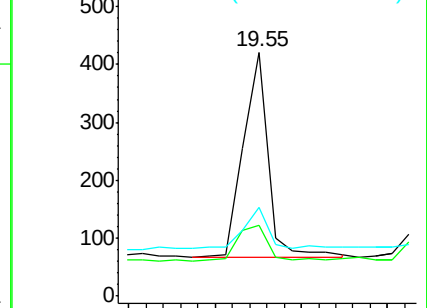
202 100

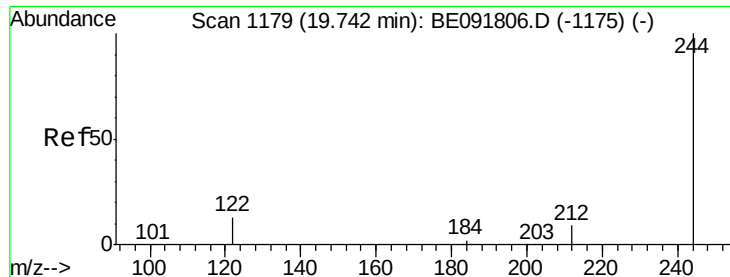
200 22.3 16.8 25.2

203 21.1 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: 4.69 ng

RT: 19.74 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

Instrument :

BNA_E

ClientSampleId :

DUP-0343-160511

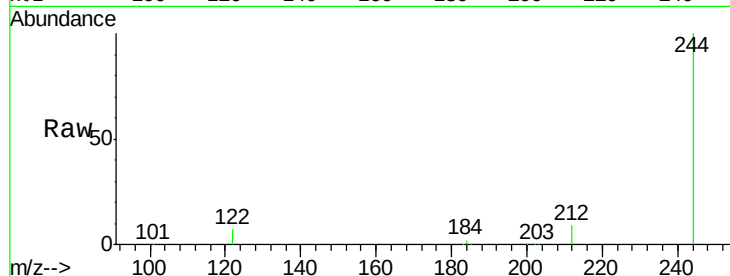
Tgt Ion:244 Resp: 217830

Ion Ratio Lower Upper

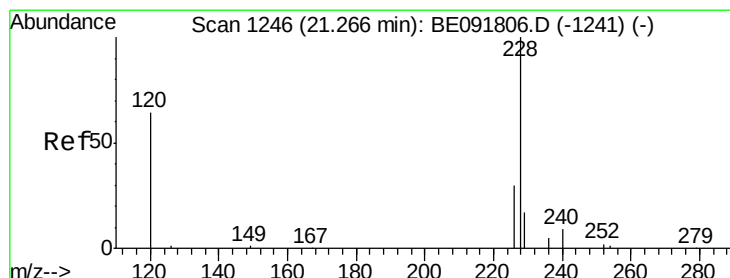
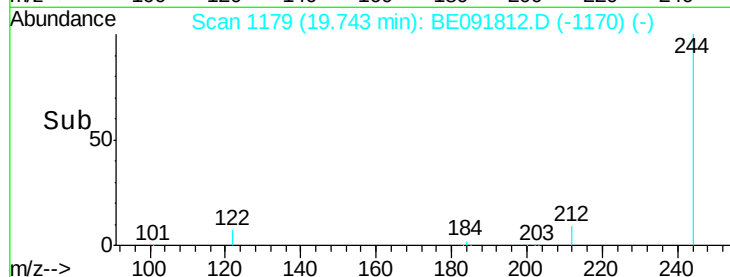
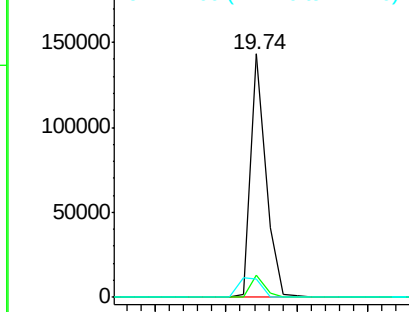
244 100

212 9.0 6.9 10.3

122 7.3 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: 0.03 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

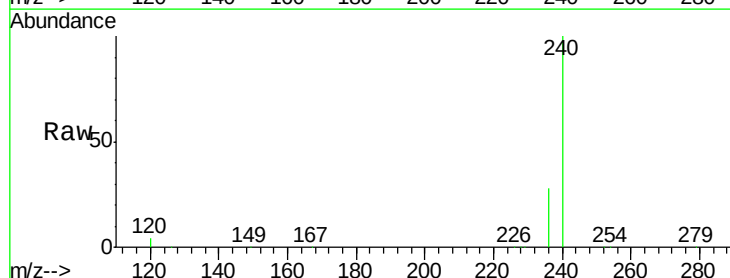
Tgt Ion:228 Resp: 2145

Ion Ratio Lower Upper

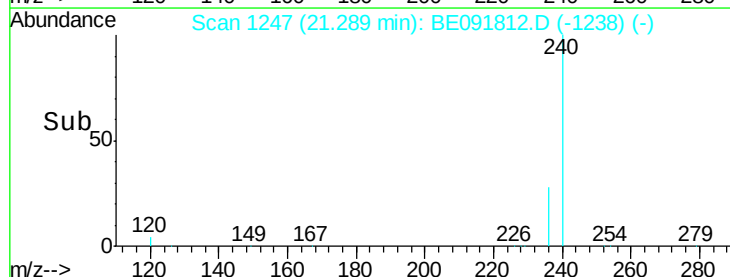
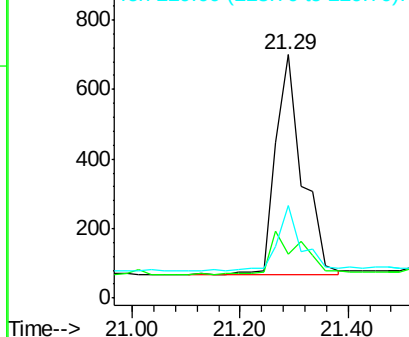
228 100

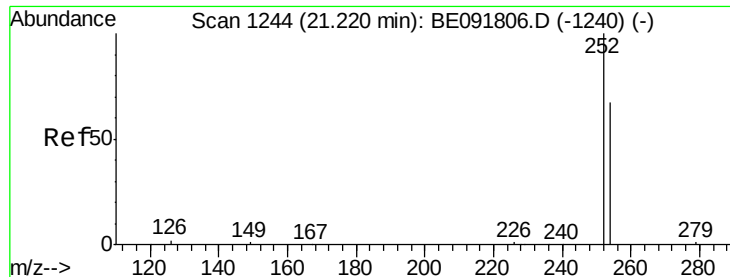
226 18.1 21.0 31.4#

229 38.1 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

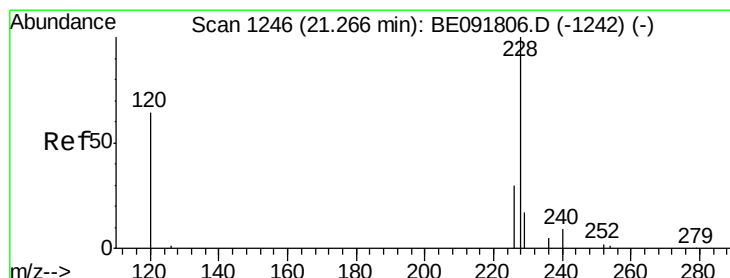
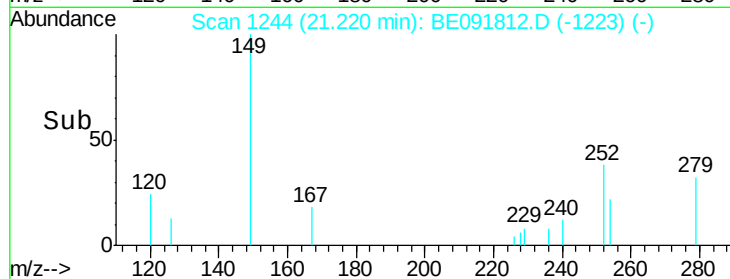
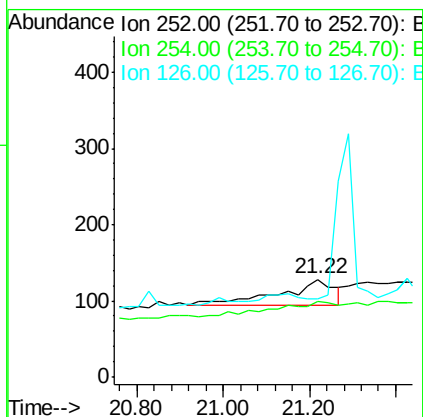
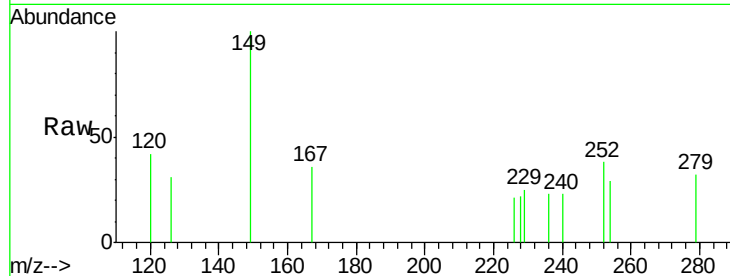




#31
 3,3'-Dichlorobenzidine
 Concen: 0.01 ng
 RT: 21.22 min Scan# 1244
 Delta R.T. -0.02 min
 Lab File: BE091812.D
 Acq: 19 May 2016 16:23

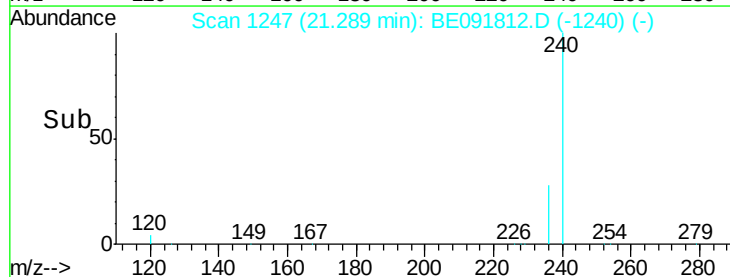
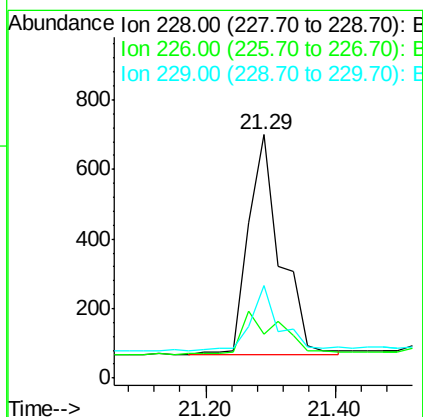
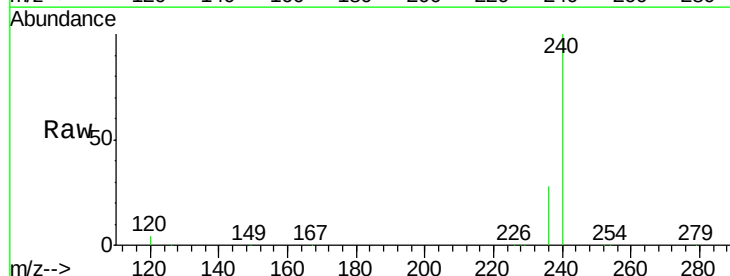
Instrument :
 BNA_E
 ClientSampleId :
 DUP-0343-160511

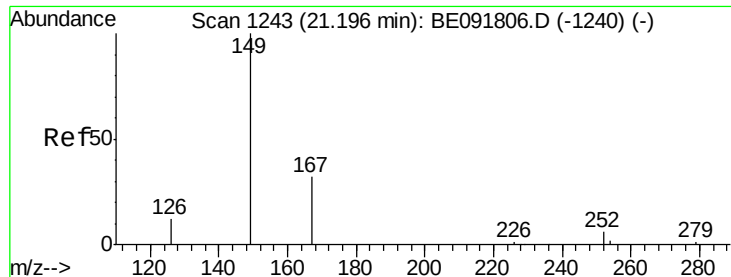
Tgt Ion: 252 Resp: 296
 Ion Ratio Lower Upper
 252 100
 254 77.3 51.1 76.7#
 126 80.5 12.6 18.8#



#32
 Chrysene
 Concen: 0.07 ng
 RT: 21.29 min Scan# 1247
 Delta R.T. -0.04 min
 Lab File: BE091812.D
 Acq: 19 May 2016 16:23

Tgt Ion: 228 Resp: 2156
 Ion Ratio Lower Upper
 228 100
 226 18.1 24.0 36.0#
 229 38.1 15.9 23.9#

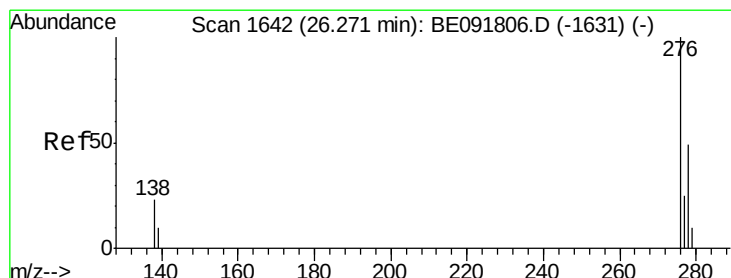
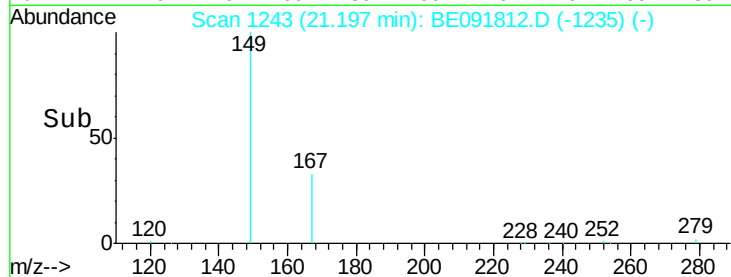
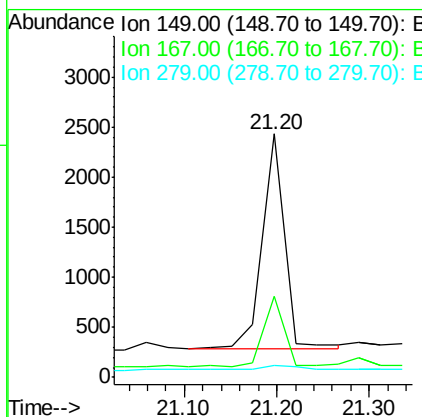
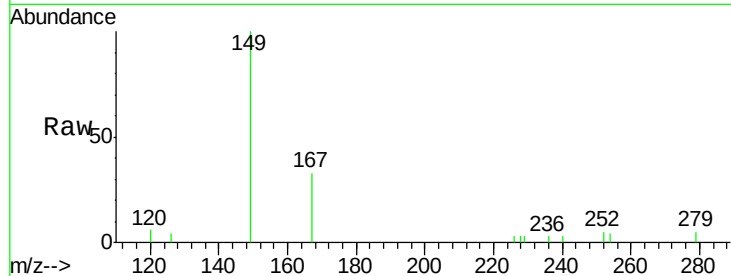




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.32 ng
 RT: 21.20 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: BE091812.D
 Acq: 19 May 2016 16:23

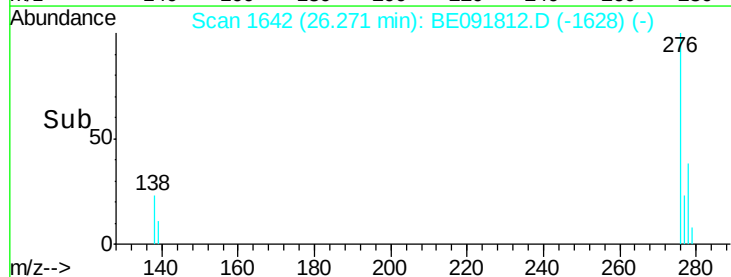
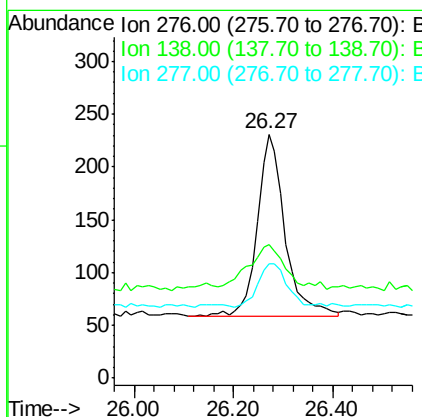
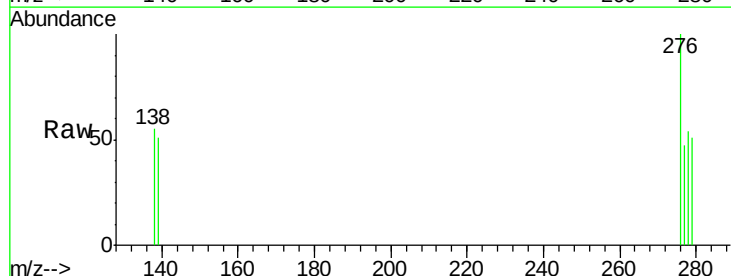
Instrument :
 BNA_E
 ClientSampleId :
 DUP-0343-160511

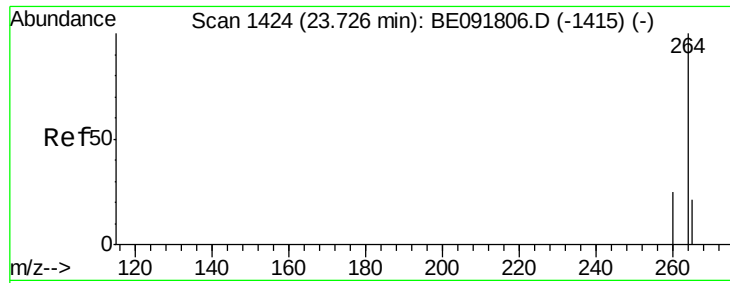
Tgt Ion:149 Resp: 3476
 Ion Ratio Lower Upper
 149 100
 167 30.4 19.5 29.3#
 279 4.3 10.0 15.0#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.01 ng
 RT: 26.27 min Scan# 1642
 Delta R.T. -0.03 min
 Lab File: BE091812.D
 Acq: 19 May 2016 16:23

Tgt Ion:276 Resp: 685
 Ion Ratio Lower Upper
 276 100
 138 27.6 23.4 35.2
 277 25.1 19.8 29.8

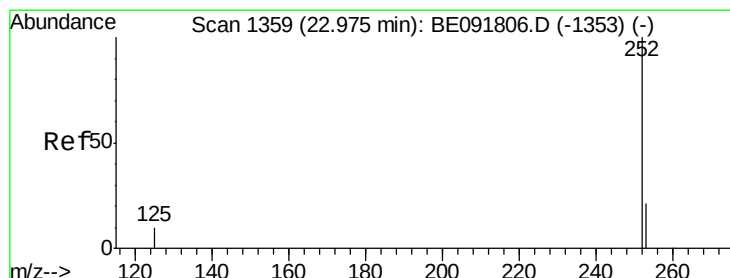
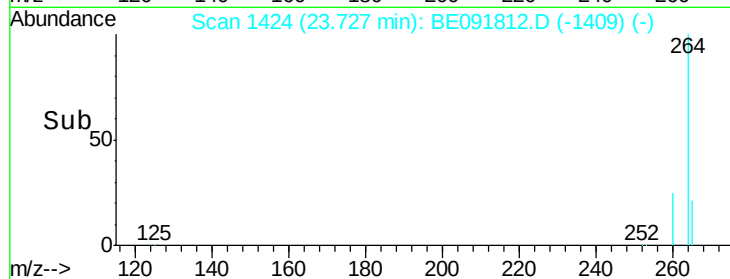
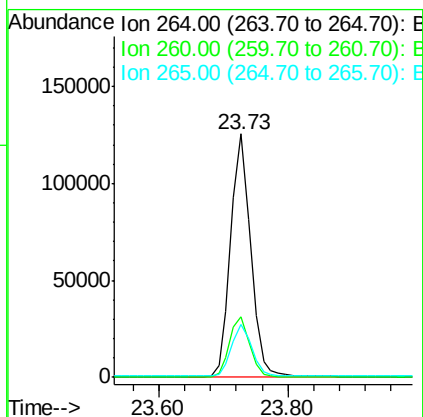
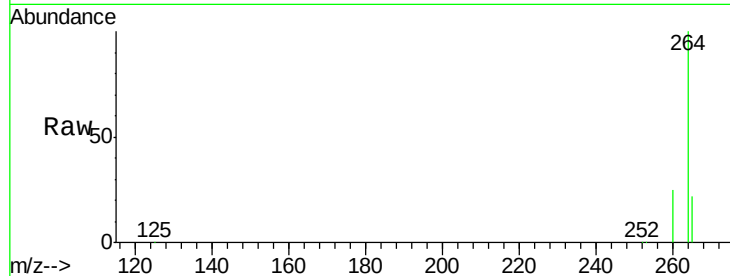




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.73 min Scan# 1424
 Delta R.T. -0.02 min
 Lab File: BE091812.D
 Acq: 19 May 2016 16:23

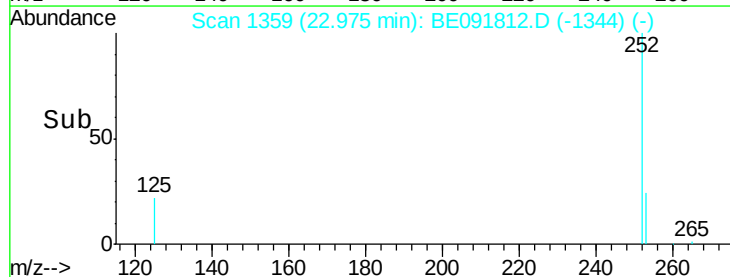
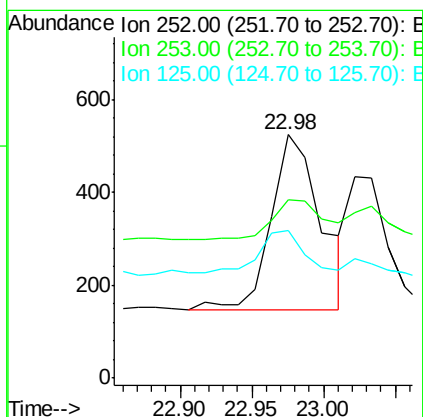
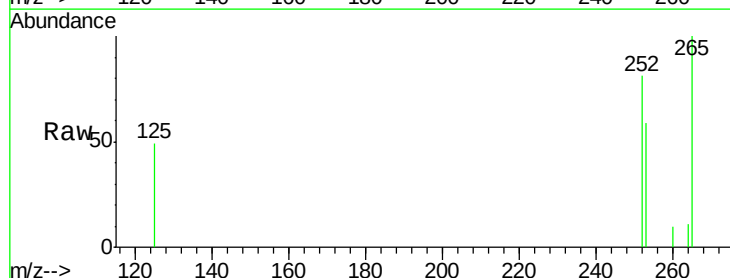
Instrument :
 BNA_E
 ClientSampleId :
 DUP-0343-160511

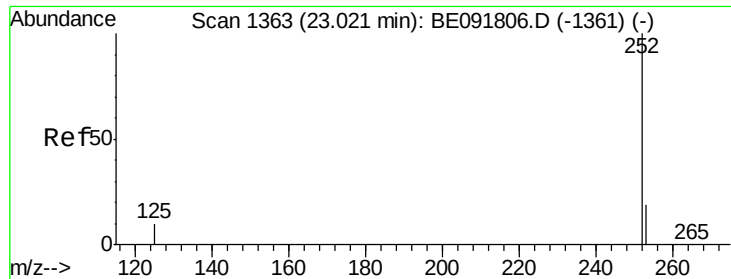
Tgt Ion: 264 Resp: 271440
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.0 30.0
 265 21.8 17.5 26.3



#36
 Benzo(b)fluoranthene
 Concen: 0.01 ng
 RT: 22.98 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: BE091812.D
 Acq: 19 May 2016 16:23

Tgt Ion: 252 Resp: 919
 Ion Ratio Lower Upper
 252 100
 253 73.1 17.4 26.0#
 125 60.7 10.2 15.2#





#37

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 23.02 min Scan# 1363

Delta R.T. -0.02 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

Instrument :

BNA_E

ClientSampleId :

DUP-0343-160511

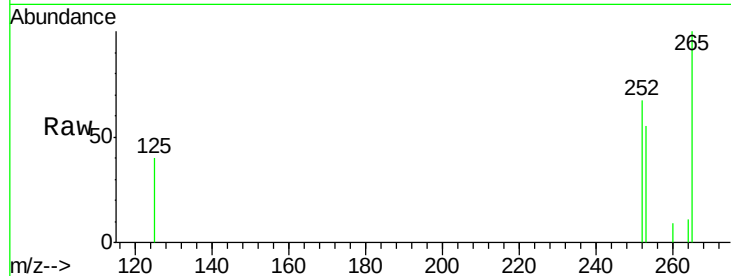
Tgt Ion: 252 Resp: 539

Ion Ratio Lower Upper

252 100

253 82.2 17.6 26.4#

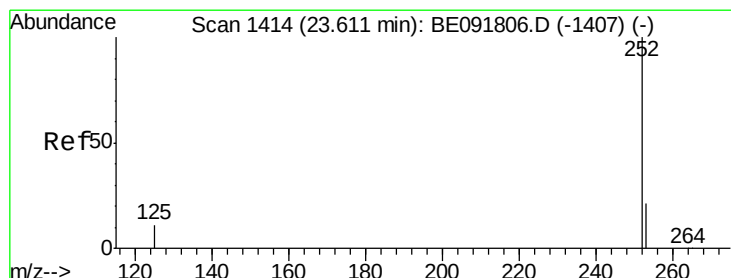
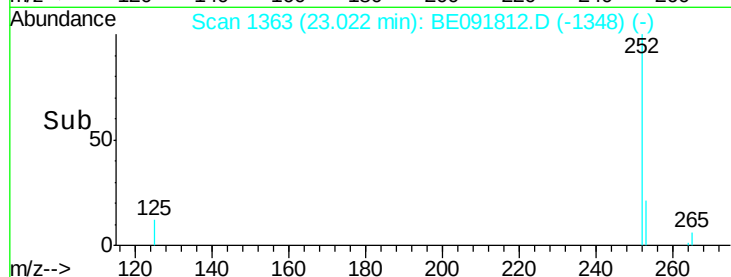
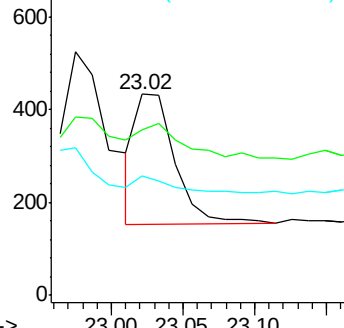
125 59.6 9.9 14.9#



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: 0.00 ng

RT: 23.61 min Scan# 1414

Delta R.T. -0.02 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

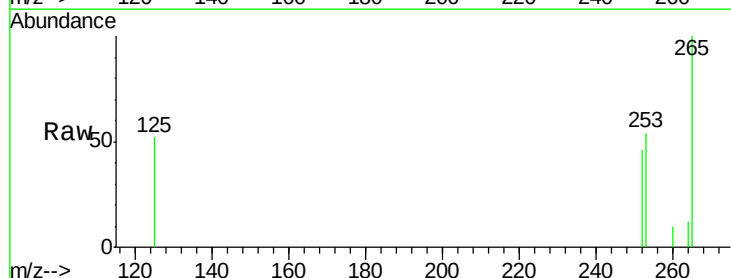
Tgt Ion: 252 Resp: 303

Ion Ratio Lower Upper

252 100

253 117.2 18.1 27.1#

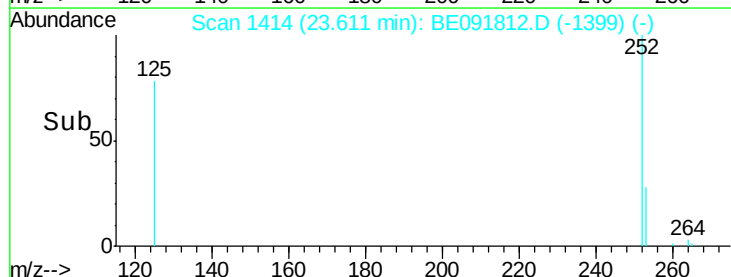
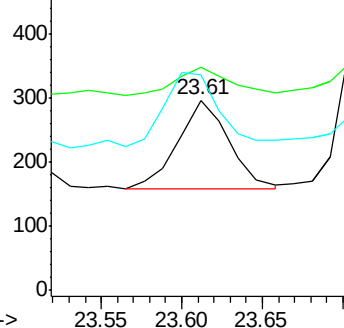
125 113.5 11.0 16.4#

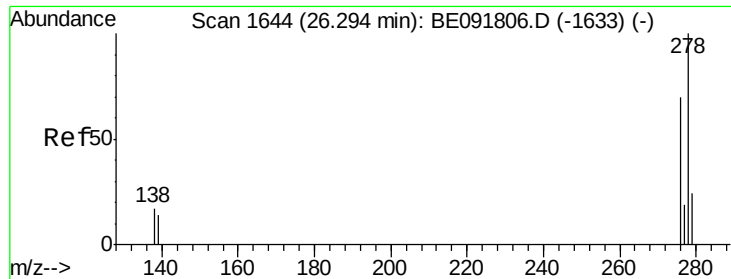


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 0.01 ng

RT: 26.29 min Scan# 1644

Delta R.T. -0.05 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

Instrument :

BNA_E

ClientSampleId :

DUP-0343-160511

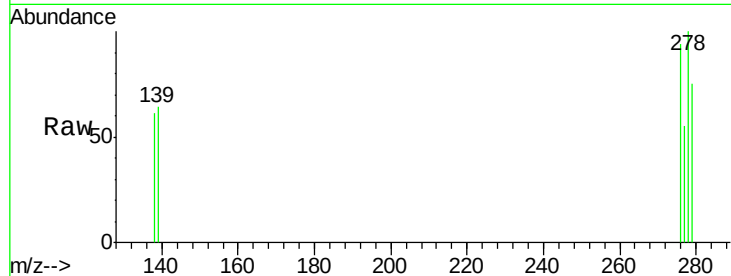
Tgt Ion: 278 Resp: 489

Ion Ratio Lower Upper

278 100

139 64.0 16.0 24.0#

279 75.3 19.4 29.2#



Abundance Ion 278.00 (277.70 to 278.70): E

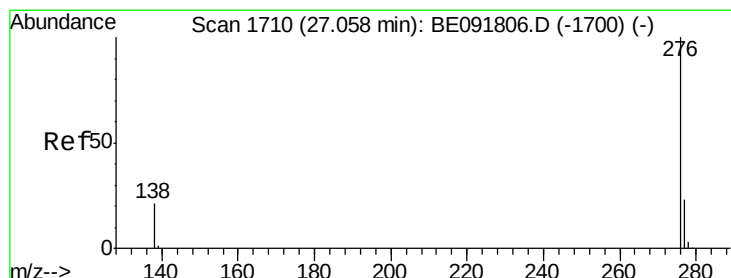
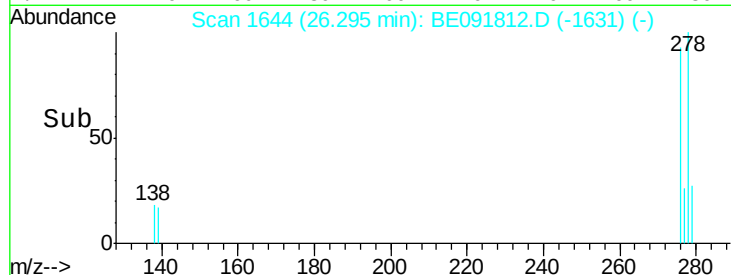
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

26.29

26.20 26.40

Time-->



#40

Benzo(g,h,i)perylene

Concen: 0.01 ng

RT: 27.06 min Scan# 1710

Delta R.T. -0.05 min

Lab File: BE091812.D

Acq: 19 May 2016 16:23

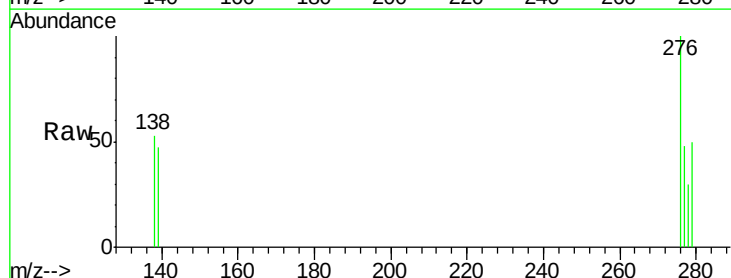
Tgt Ion: 276 Resp: 607

Ion Ratio Lower Upper

276 100

277 47.6 18.6 28.0#

138 53.3 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

27.06

26.80 27.20

Time-->

