

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051916\
 Data File : BE091831.D
 Acq On : 20 May 2016 5:24
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: May 20 06:11:31 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	20891	5.00	ng	-0.02
7) Naphthalene-d8	10.57	136	108304	5.00	ng	0.00
13) Acenaphthene-d10	14.40	164	75270	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	218322	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	266989	5.00	ng	-0.02
35) Perylene-d12	23.73	264	231200	5.00	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	2490	0.46	ng	0.00
5) Phenol-d6	6.97	99	3486	0.45	ng	0.02
8) Nitrobenzene-d5	8.95	82	2732	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	1163	0.40	ng	0.00
15) 2-Fluorobiphenyl	13.04	172	8075	0.38	ng	0.00
29) Terphenyl-d14	19.74	244	14486	0.38	ng	-0.02

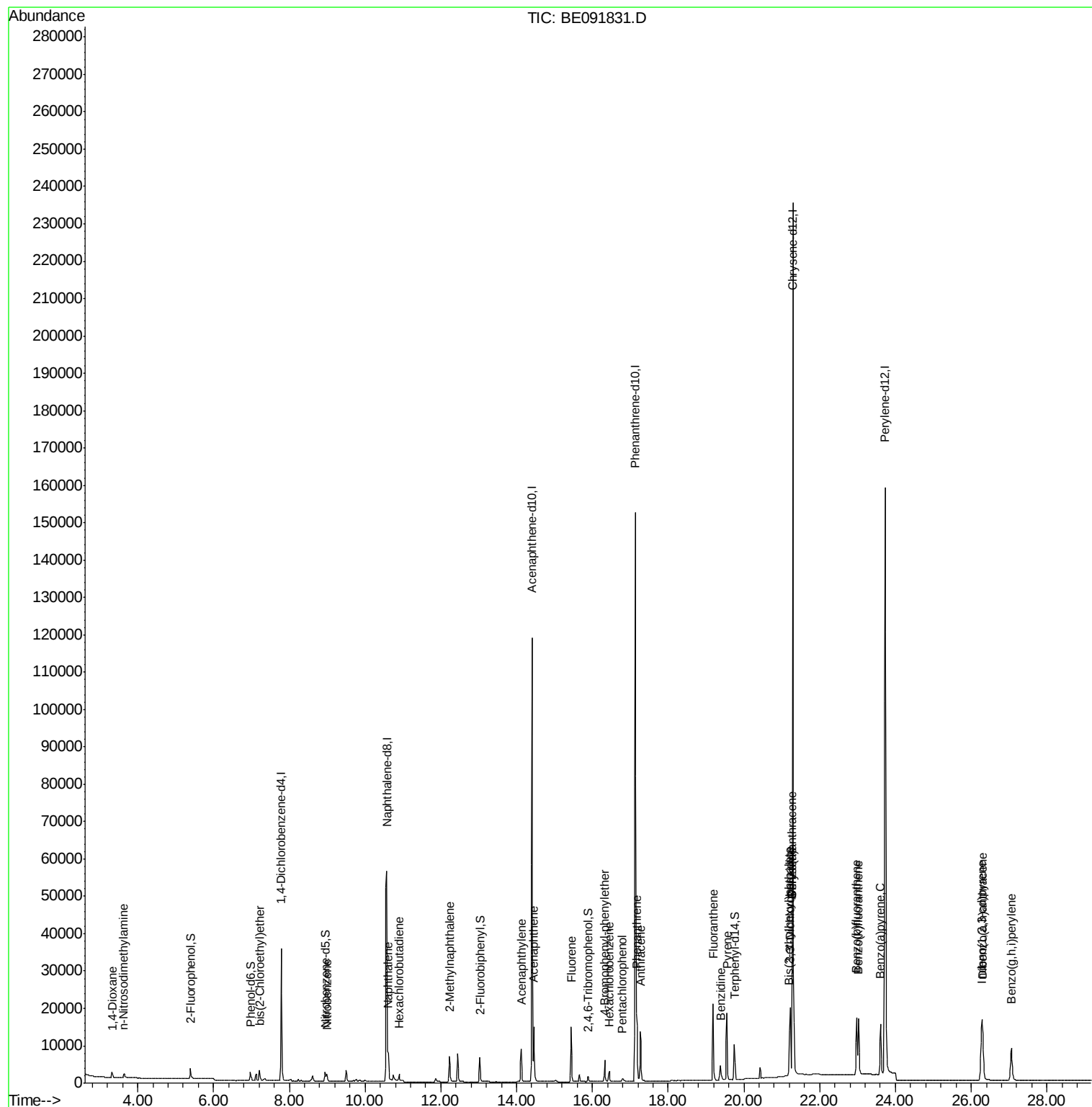
Target Compounds						Qvalue
2) 1,4-Dioxane	3.33	88	1013	0.42	ng	# 87
3) n-Nitrosodimethylamine	3.63	42	1268	0.38	ng	99
6) bis(2-Chloroethyl)ether	7.21	93	2330	0.38	ng	# 78
9) Nitrobenzene	8.99	77	2725	0.37	ng	# 93
10) Naphthalene	10.61	128	9153	0.38	ng	99
11) Hexachlorobutadiene	10.90	225	1975	0.56	ng	88
12) 2-Methylnaphthalene	12.23	142	6116	0.38	ng	99
16) Acenaphthylene	14.12	152	12982	0.39	ng	# 73
17) Acenaphthene	14.46	154	7861	0.39	ng	92
18) Fluorene	15.44	166	10009	0.38	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	3011	0.37	ng	92
21) Hexachlorobenzene	16.45	284	3073	0.36	ng	99
22) Pentachlorophenol	16.79	266	833	0.24	ng	92
23) Phenanthrene	17.17	178	19247	0.35	ng	98
24) Anthracene	17.26	178	17235	0.36	ng	99
25) Fluoranthene	19.19	202	22384	0.39	ng	97
27) Benzidine	19.38	184	8311	0.53	ng	# 80
28) Pyrene	19.55	202	22940	0.39	ng	99
30) Benzo(a)anthracene	21.27	228	47196	0.73	ng	93
31) 3,3'-Dichlorobenzidine	21.22	252	18835	0.46	ng	# 92
32) Chrysene	21.27	228	47404	0.89	ng	97
33) Bis(2-ethylhexyl)phthalate	21.20	149	12862	0.58	ng	# 82
34) Indeno(1,2,3-cd)pyrene	26.27	276	25461	0.39	ng	96
36) Benzo(b)fluoranthene	22.98	252	22438	0.39	ng	96
37) Benzo(k)fluoranthene	23.02	252	23644	0.40	ng	98
38) Benzo(a)pyrene	23.61	252	21957	0.40	ng	97
39) Dibenzo(a,h)anthracene	26.29	278	21207	0.39	ng	98
40) Benzo(g,h,i)perylene	27.06	276	21804	0.39	ng	96

(#) = 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: BE091831.D

Acq: 20 May 2016 5:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

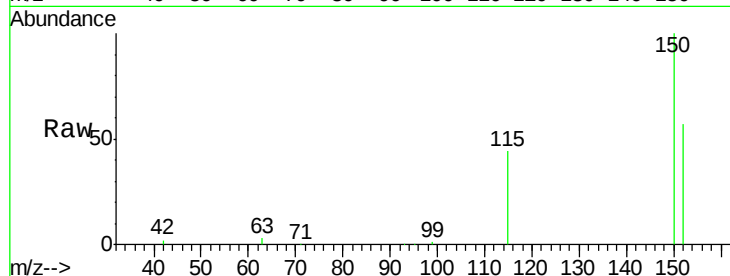
Tgt Ion: 152 Resp: 20891

Ion Ratio Lower Upper

152 100

150 176.7 122.6 183.8

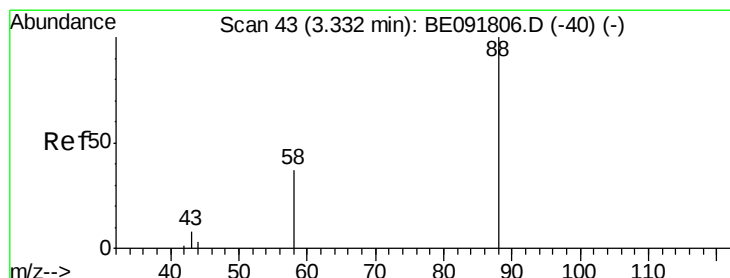
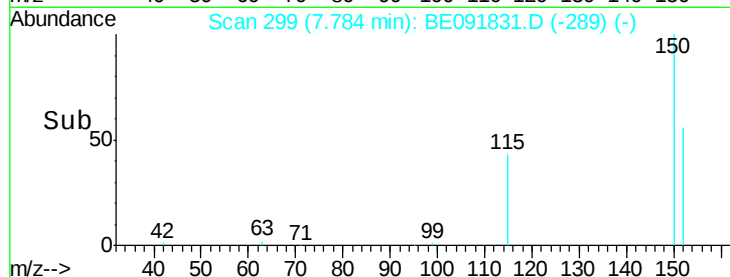
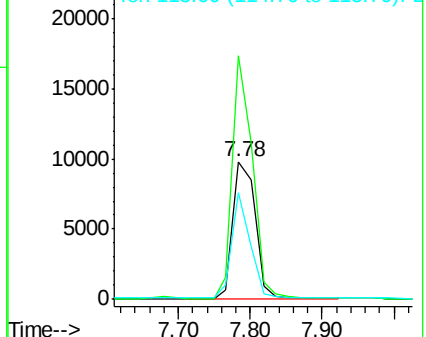
115 77.2 52.8 79.2



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: 0.42 ng

RT: 3.33 min Scan# 43

Delta R.T. 0.00 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

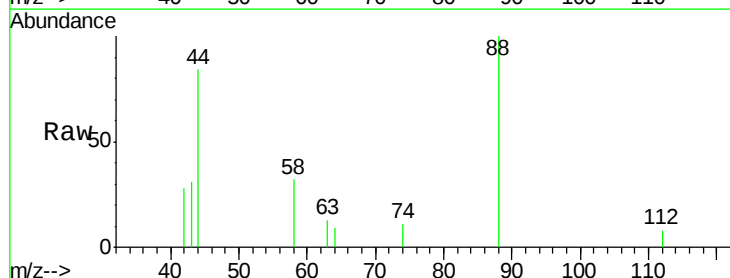
Tgt Ion: 88 Resp: 1013

Ion Ratio Lower Upper

88 100

58 91.3 65.8 98.6

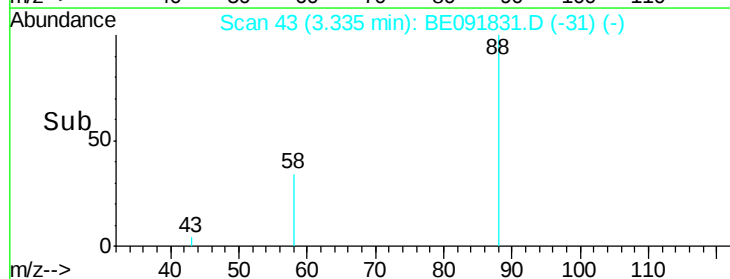
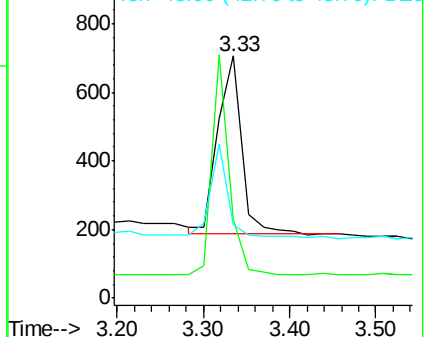
43 43.2 25.3 37.9#

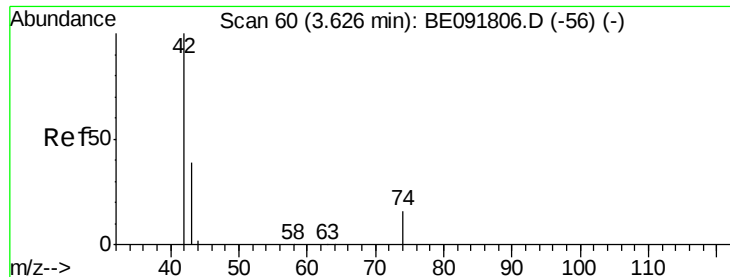


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.38 ng

RT: 3.63 min Scan# 60

Delta R.T. 0.00 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

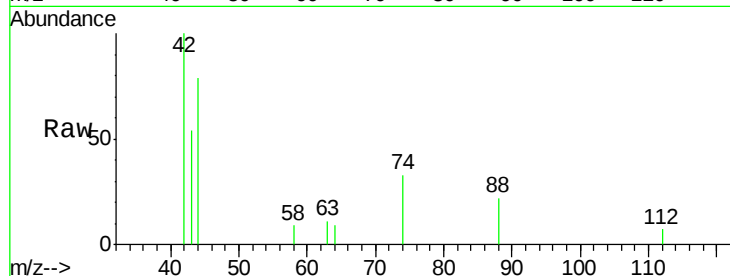
Tgt Ion: 42 Resp: 1268

Ion Ratio Lower Upper

42 100

74 109.1 87.9 131.9

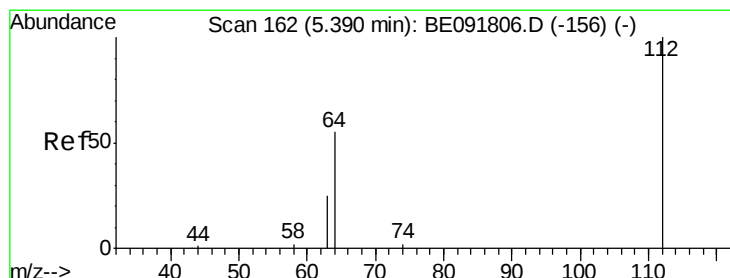
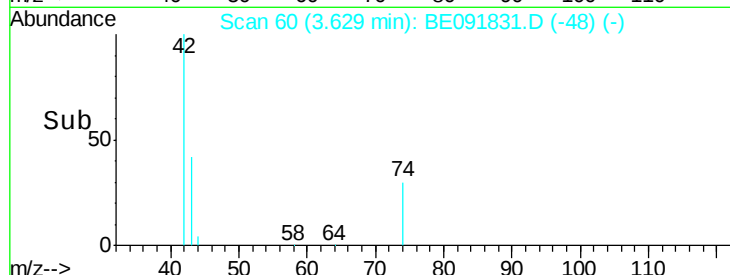
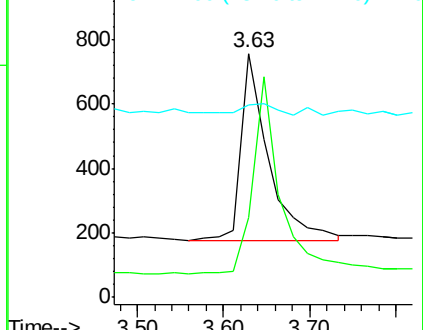
44 7.4 6.6 9.8



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: 0.46 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

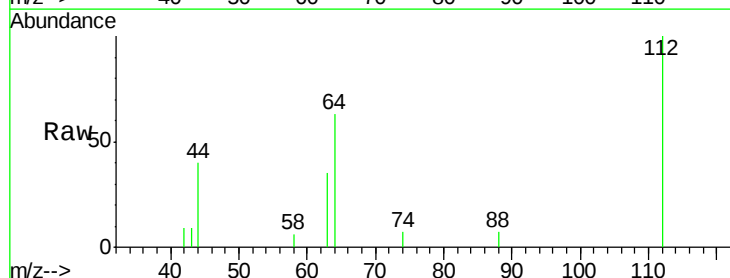
Tgt Ion: 112 Resp: 2490

Ion Ratio Lower Upper

112 100

64 67.1 30.9 46.3#

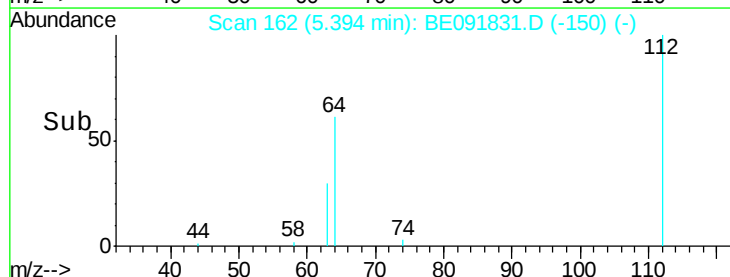
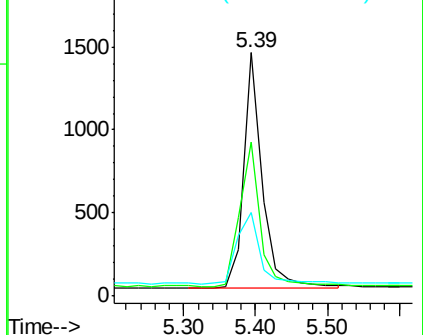
63 37.1 16.7 25.1#

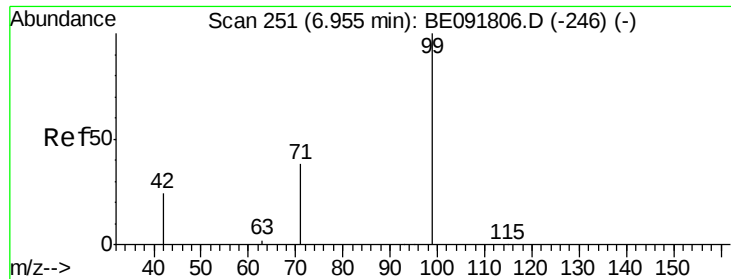


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.45 ng

RT: 6.97 min Scan# 252

Delta R.T. 0.02 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

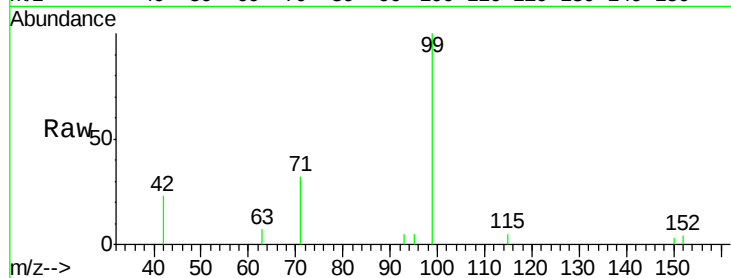
Tgt Ion: 99 Resp: 3486

Ion Ratio Lower Upper

99 100

42 24.3 16.2 24.2#

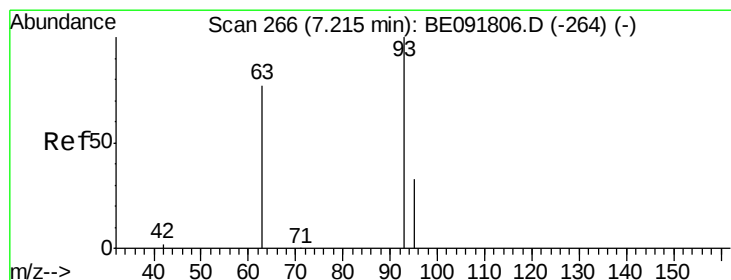
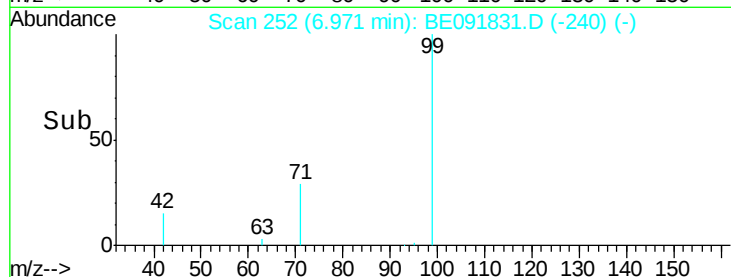
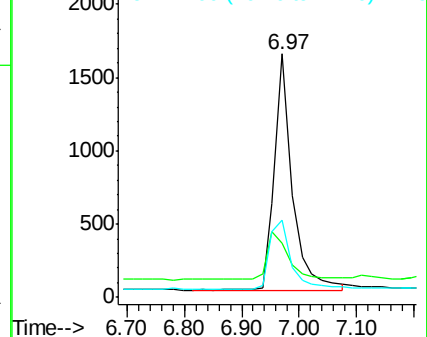
71 35.5 29.0 43.4



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: 0.38 ng

RT: 7.21 min Scan# 266

Delta R.T. -0.00 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

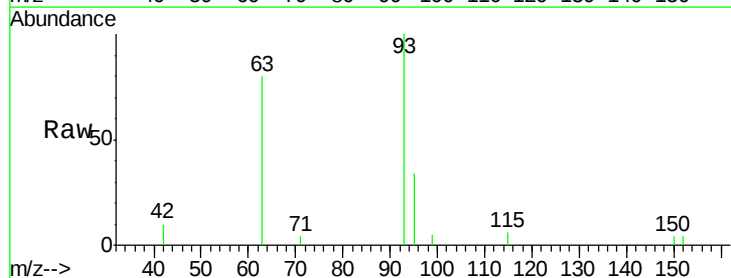
Tgt Ion: 93 Resp: 2330

Ion Ratio Lower Upper

93 100

63 83.2 49.5 74.3#

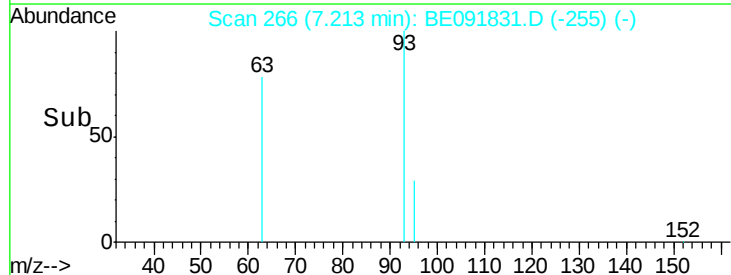
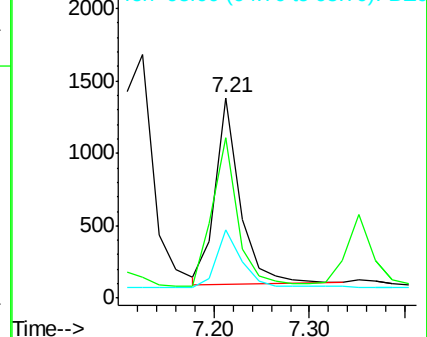
95 32.0 22.2 33.4

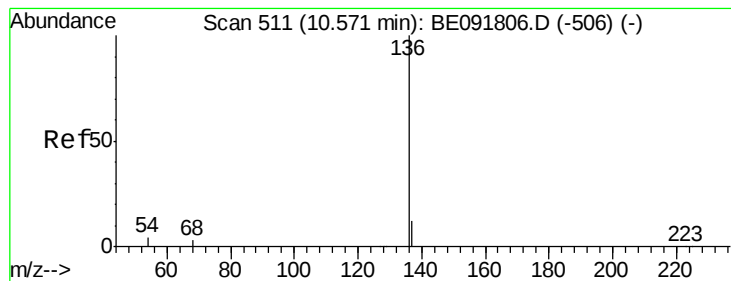


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE091831.D

Acq: 20 May 2016 5:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 136 Resp: 108304

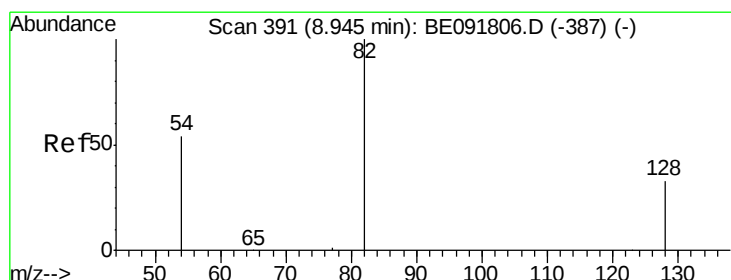
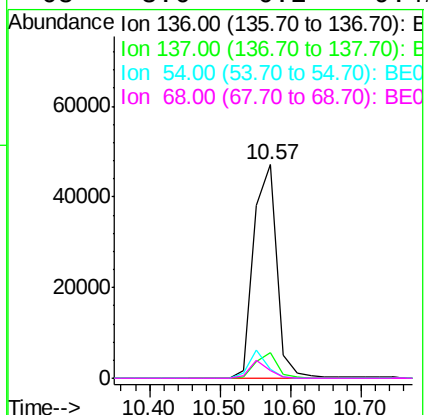
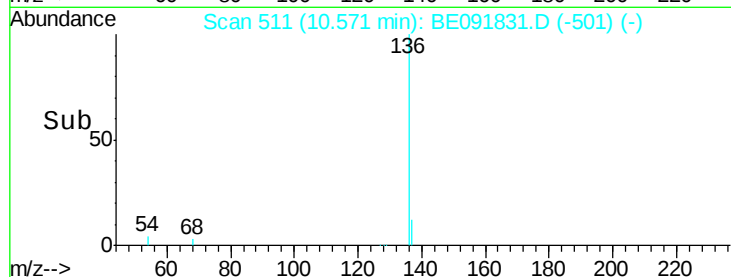
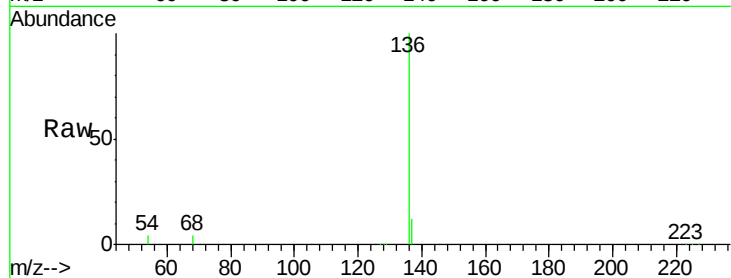
Ion Ratio Lower Upper

136 100

137 12.0 8.9 13.3

54 4.2 8.2 12.4#

68 3.6 6.2 9.4#



#8

Nitrobenzene-d5

Concen: 0.38 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

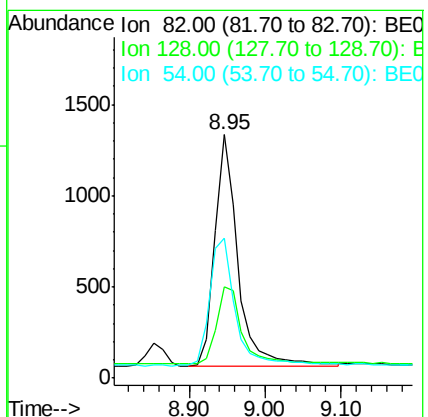
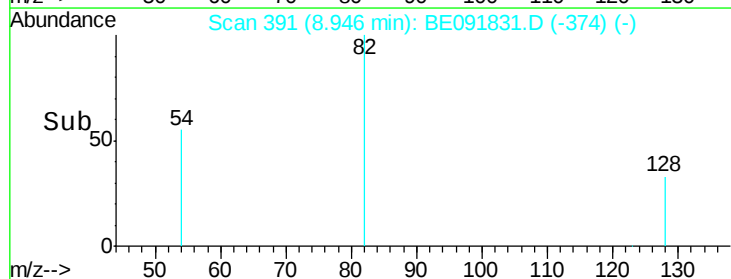
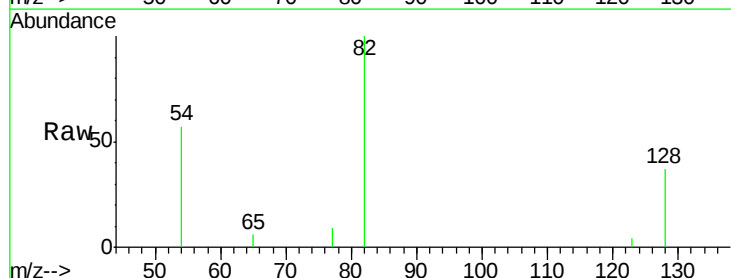
Tgt Ion: 82 Resp: 2732

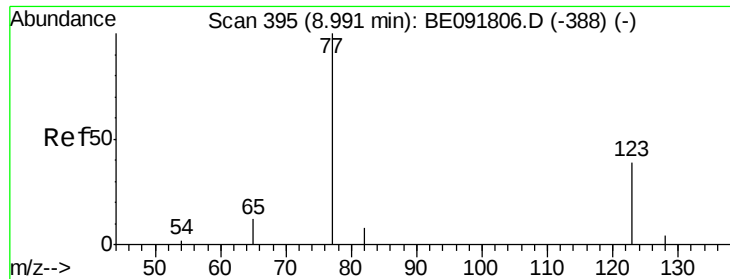
Ion Ratio Lower Upper

82 100

128 37.3 25.4 38.0

54 57.2 48.4 72.6





#9

Nitrobenzene

Concen: 0.37 ng

RT: 8.99 min Scan# 395

Delta R.T. -0.00 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

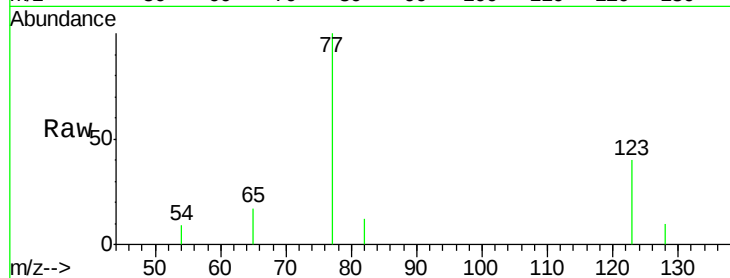
Tgt Ion: 77 Resp: 2725

Ion Ratio Lower Upper

77 100

123 37.4 26.9 40.3

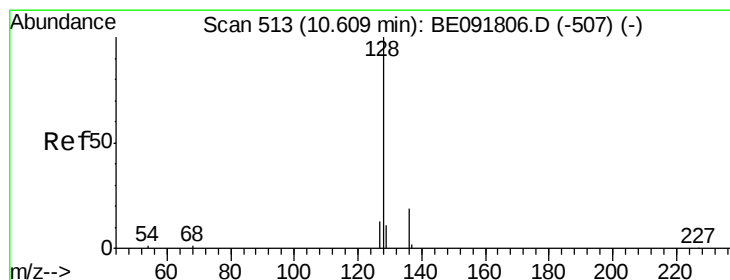
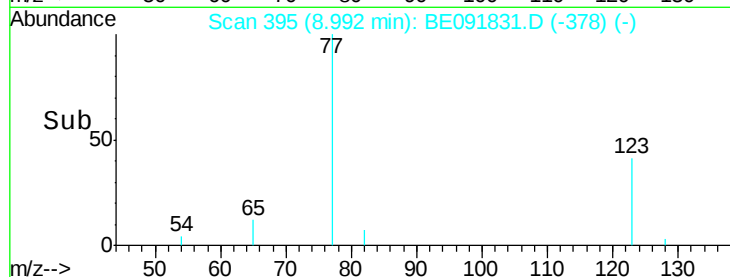
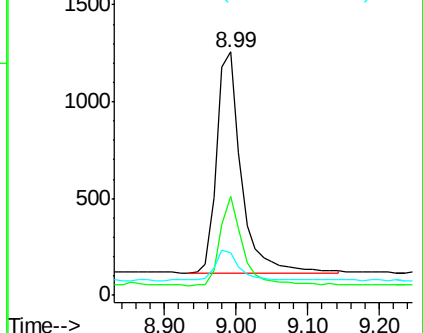
65 14.2 9.4 14.2#



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: 0.38 ng

RT: 10.61 min Scan# 513

Delta R.T. -0.00 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

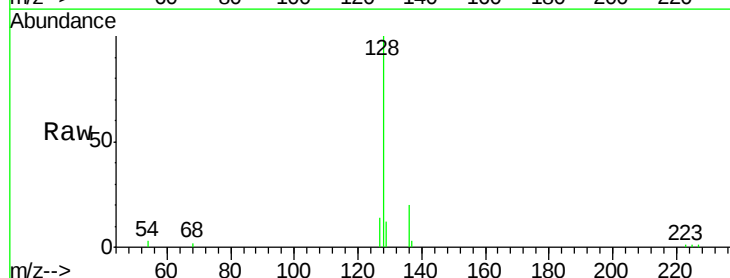
Tgt Ion: 128 Resp: 9153

Ion Ratio Lower Upper

128 100

129 12.1 9.3 13.9

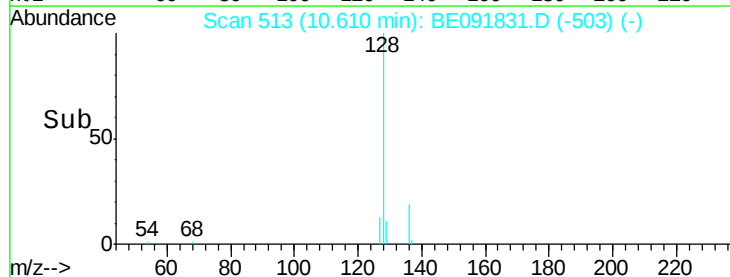
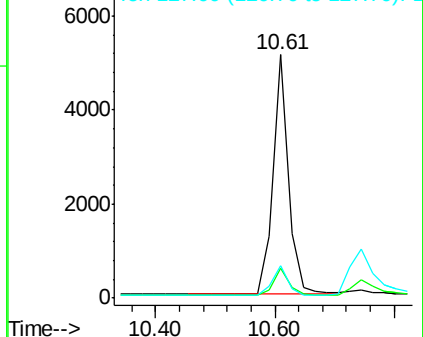
127 13.6 10.7 16.1

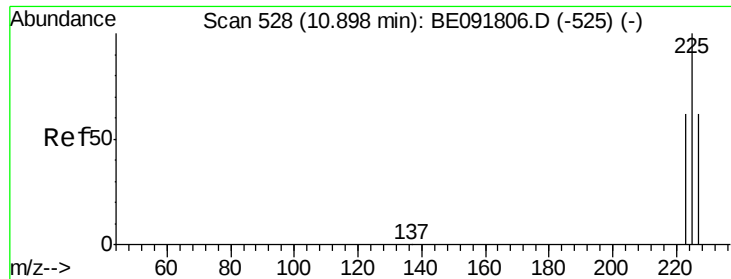


Abundance Ion 128.00 (127.70 to 128.70): BE091806.D (-507) (-)

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

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

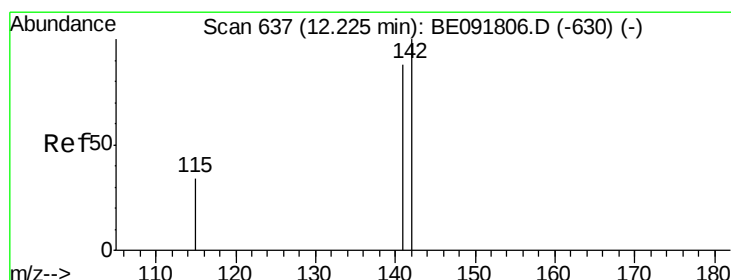
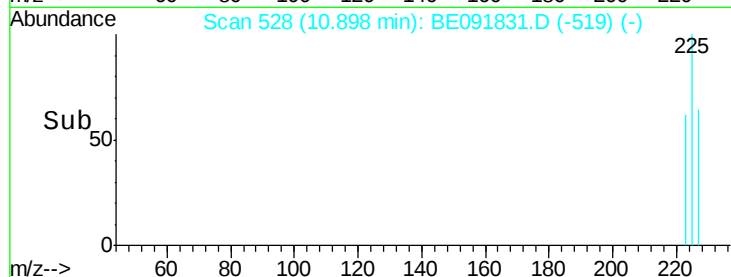
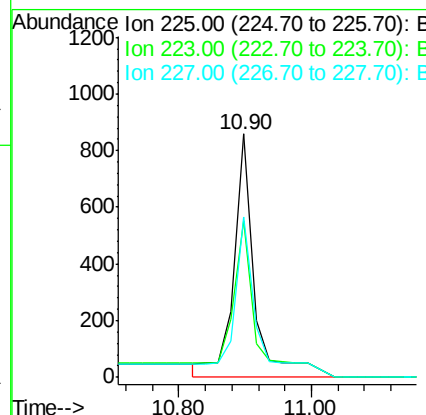
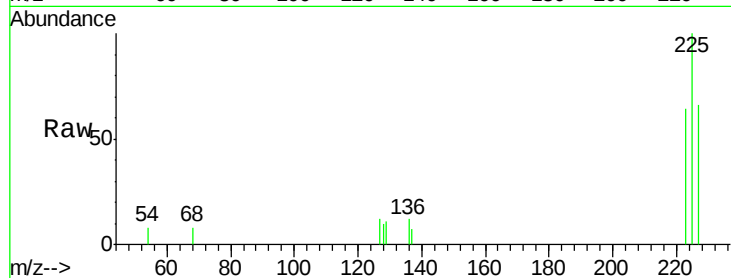




#11
Hexachlorobutadiene
Concen: 0.56 ng
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091831.D
Acq: 20 May 2016 5:24

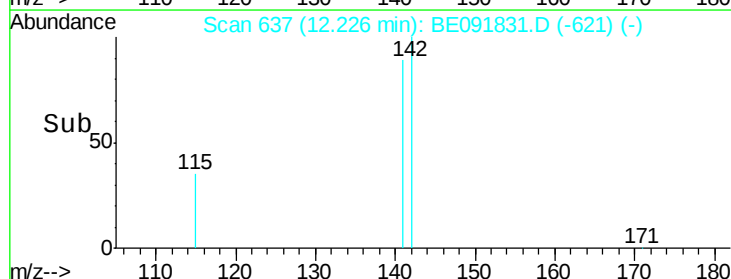
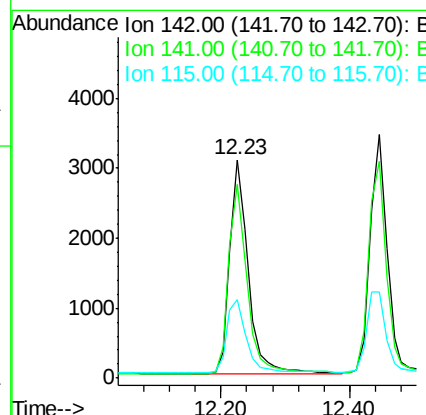
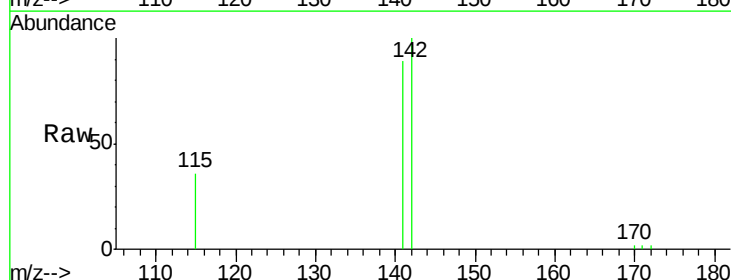
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

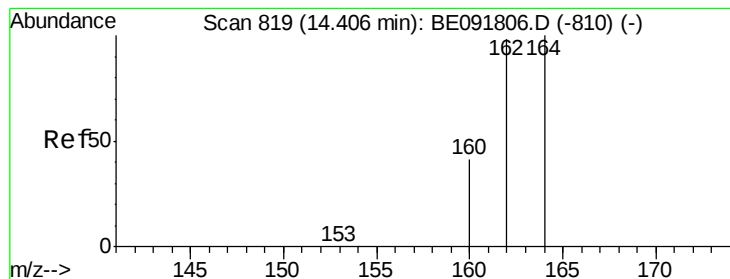
Tgt Ion: 225 Resp: 1975
Ion Ratio Lower Upper
225 100
223 71.7 49.0 73.6
227 70.8 50.3 75.5



#12
2-Methylnaphthalene
Concen: 0.38 ng
RT: 12.23 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE091831.D
Acq: 20 May 2016 5:24

Tgt Ion: 142 Resp: 6116
Ion Ratio Lower Upper
142 100
141 88.9 71.4 107.0
115 36.1 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: BE091831.D

Acq: 20 May 2016 5:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

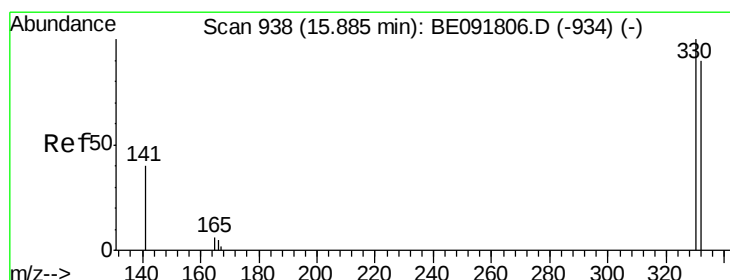
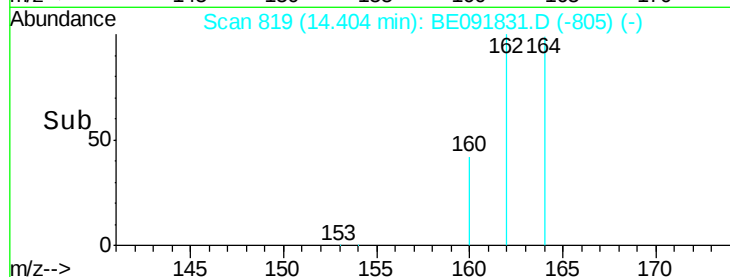
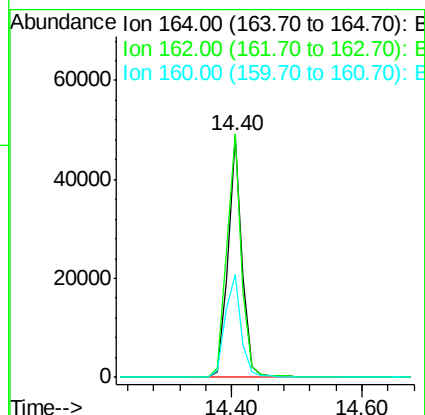
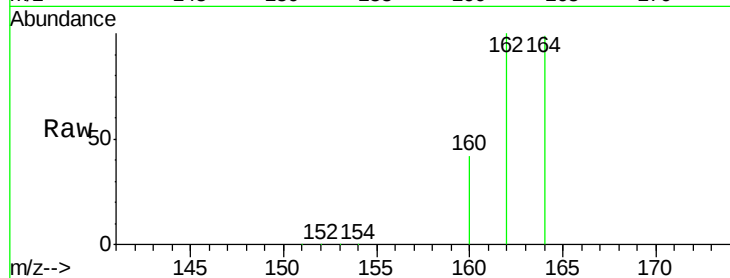
Tgt Ion:164 Resp: 75270

Ion Ratio Lower Upper

164 100

162 101.0 85.3 127.9

160 42.9 46.2 69.2#



#14

2,4,6-Tribromophenol

Concen: 0.40 ng

RT: 15.90 min Scan# 939

Delta R.T. -0.00 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

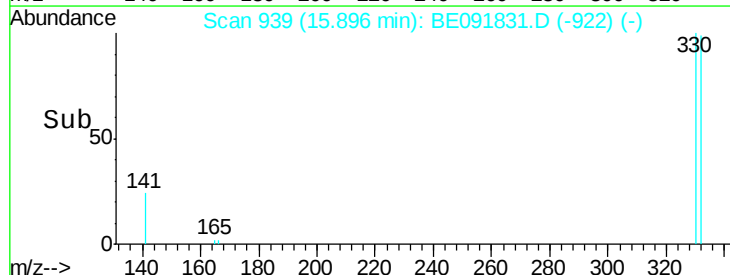
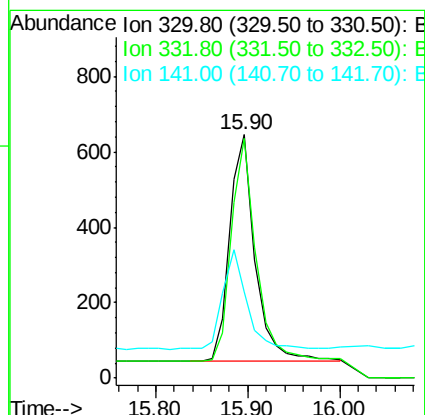
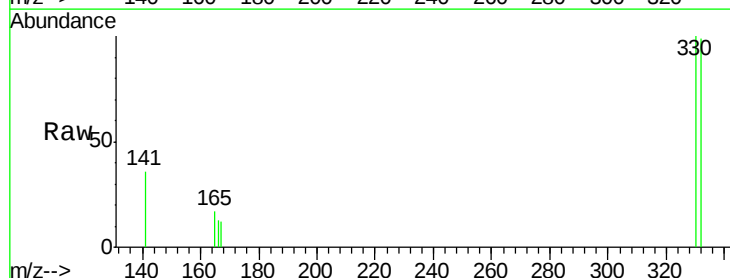
Tgt Ion:330 Resp: 1163

Ion Ratio Lower Upper

330 100

332 95.9 79.1 118.7

141 42.3 125.4 188.0#

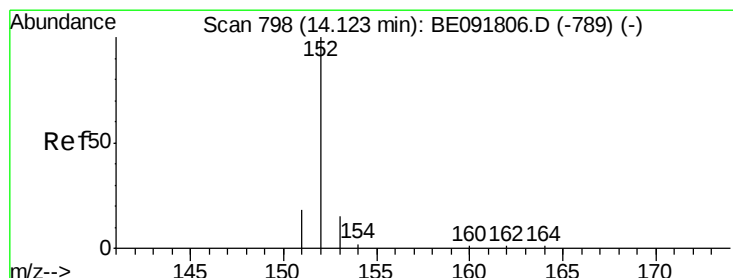
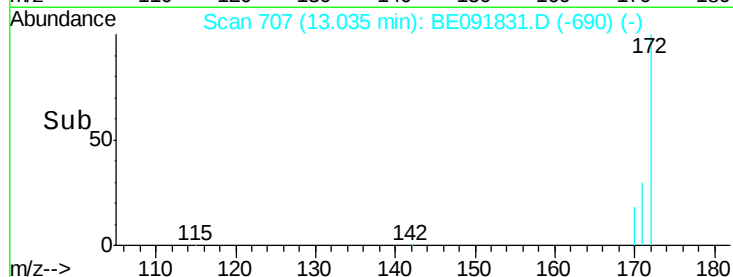
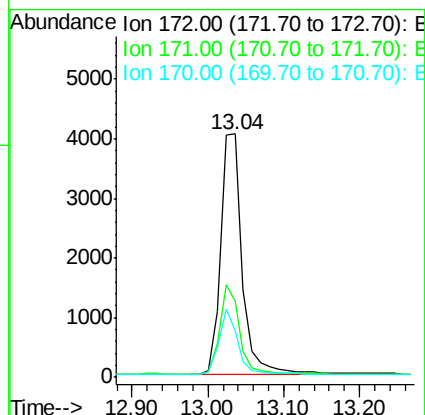
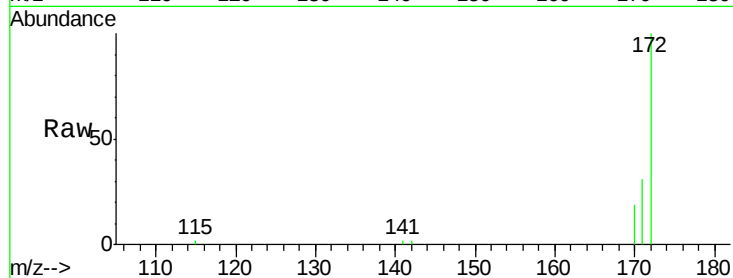




#15
2-Fluorobiphenyl
Concen: 0.38 ng
RT: 13.04 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091831.D
Acq: 20 May 2016 5:24

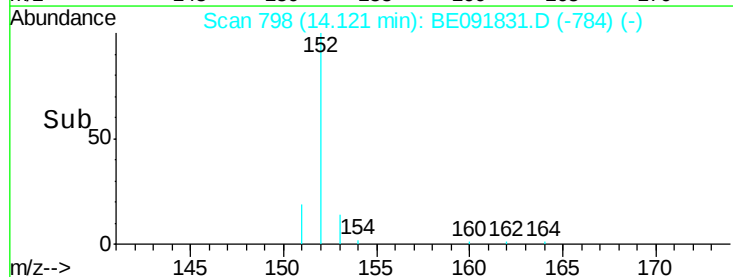
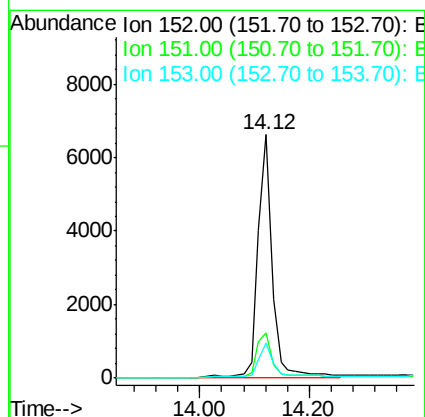
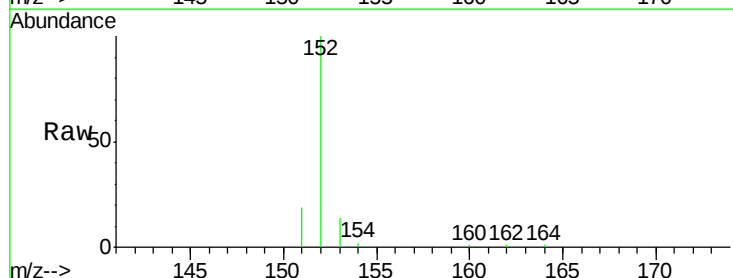
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

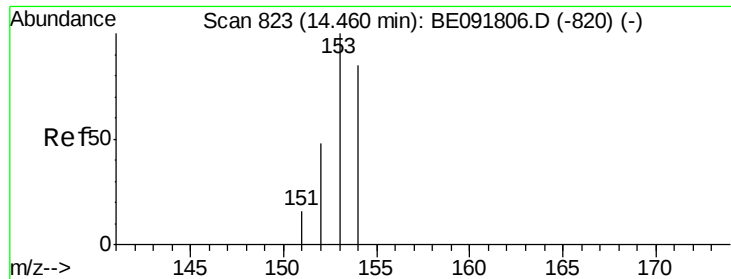
Tgt Ion:172 Resp: 8075
Ion Ratio Lower Upper
172 100
171 31.2 28.8 43.2
170 19.1 19.3 28.9#



#16
Acenaphthylene
Concen: 0.39 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091831.D
Acq: 20 May 2016 5:24

Tgt Ion:152 Resp: 12982
Ion Ratio Lower Upper
152 100
151 24.6 3.9 5.9#
153 19.0 10.3 15.5#

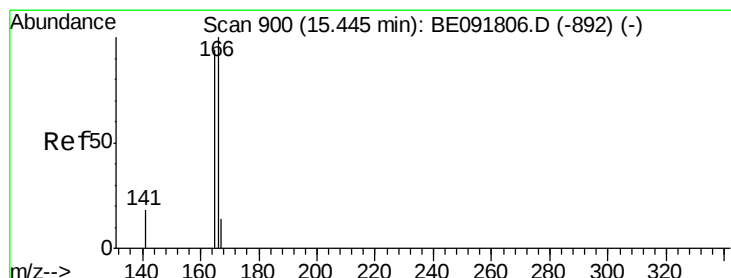
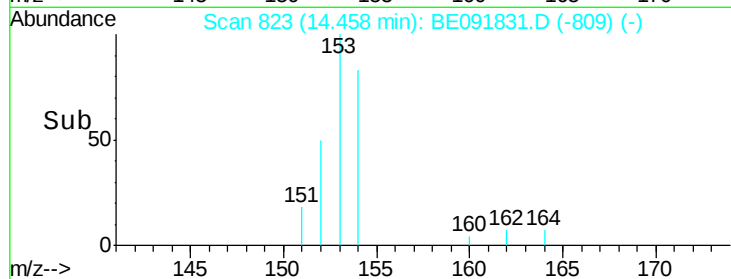
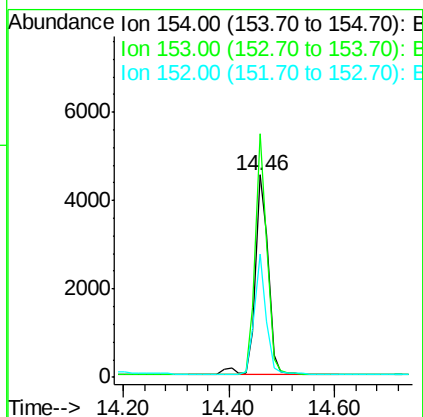
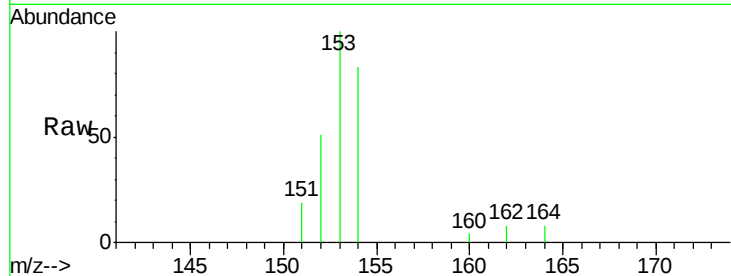




#17
Acenaphthene
Concen: 0.39 ng
RT: 14.46 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE091831.D
Acq: 20 May 2016 5:24

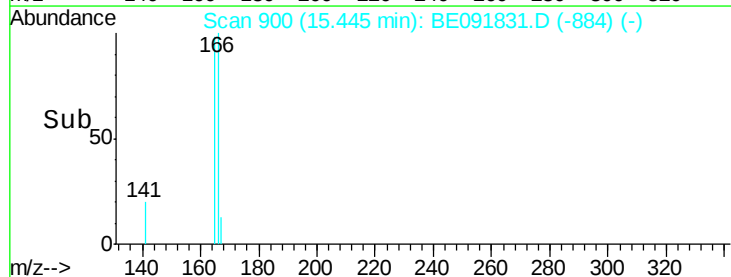
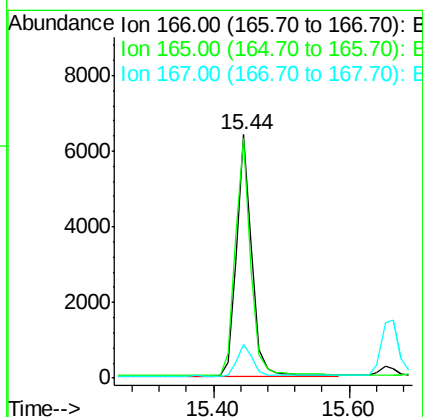
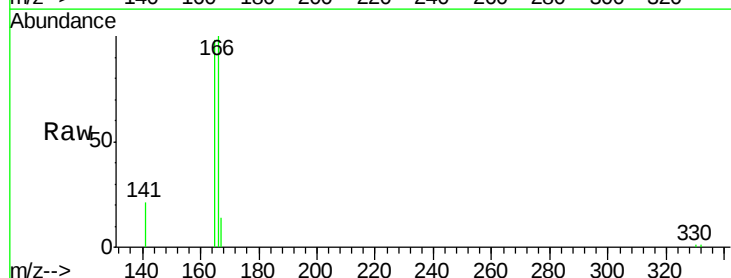
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

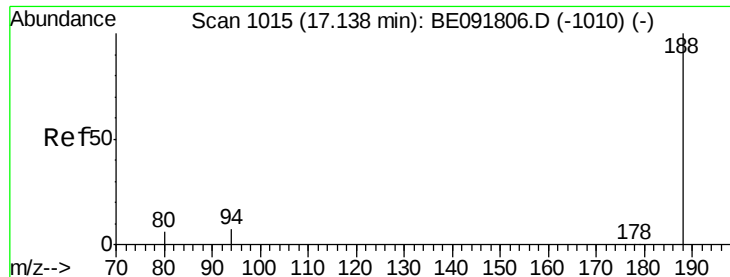
Tgt Ion:154 Resp: 7861
Ion Ratio Lower Upper
154 100
153 109.6 80.0 120.0
152 53.5 40.0 60.0



#18
Fluorene
Concen: 0.38 ng
RT: 15.44 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE091831.D
Acq: 20 May 2016 5:24

Tgt Ion:166 Resp: 10009
Ion Ratio Lower Upper
166 100
165 99.7 80.8 121.2
167 13.4 10.9 16.3

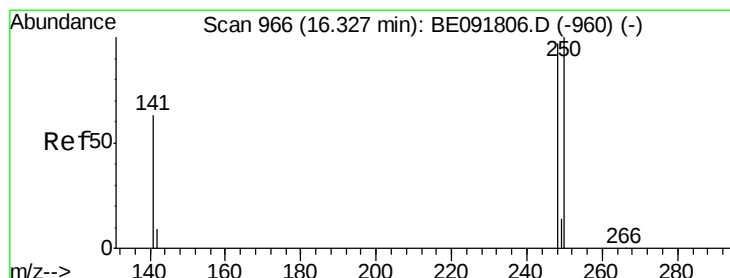
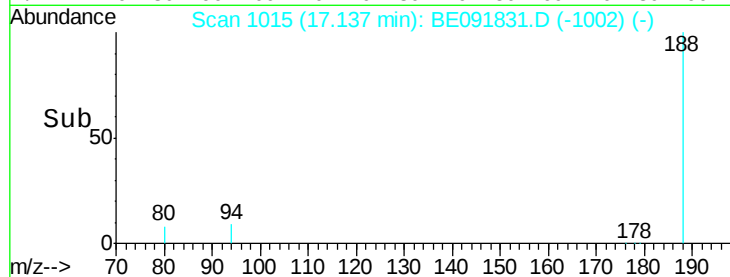
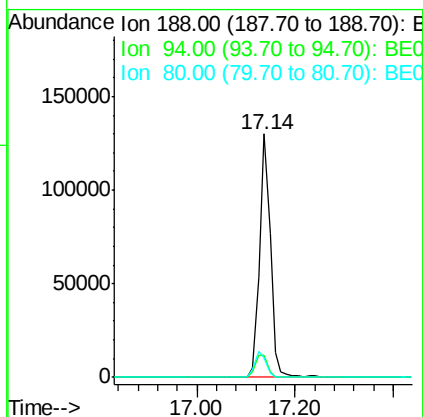
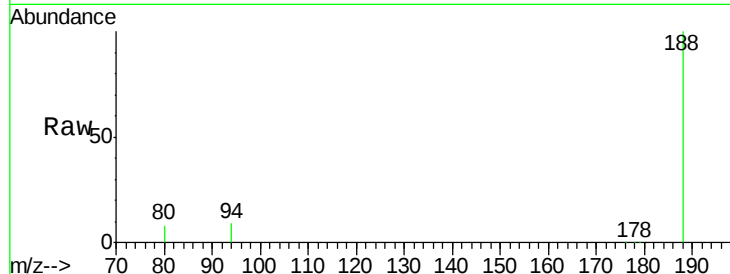




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BE091831.D
Acq: 20 May 2016 5:24

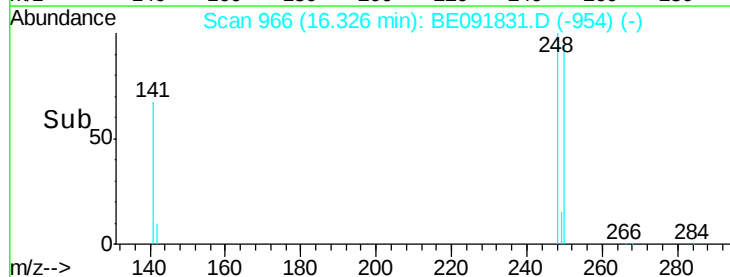
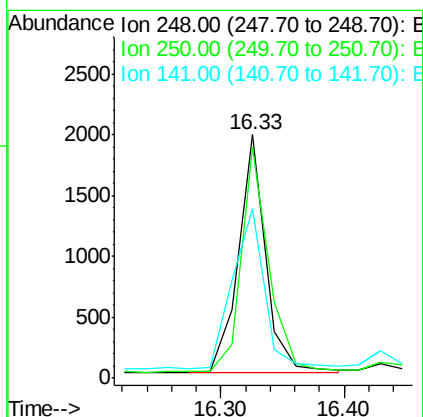
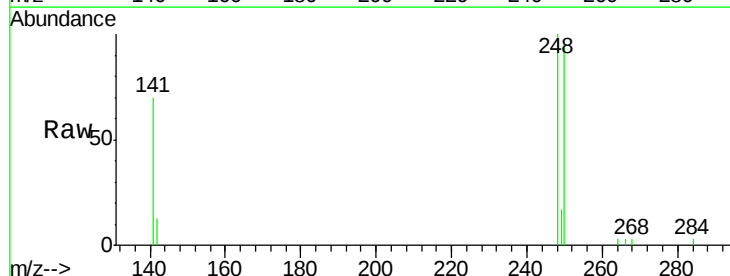
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

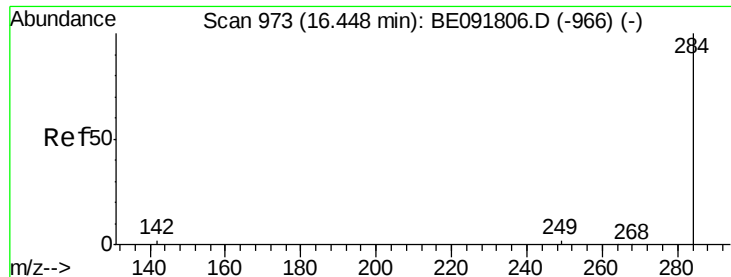
Tgt Ion:188 Resp: 218322
Ion Ratio Lower Upper
188 100
94 8.9 8.7 13.1
80 8.3 9.4 14.0#



#20
4-Bromophenyl-phenylether
Concen: 0.37 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091831.D
Acq: 20 May 2016 5:24

Tgt Ion:248 Resp: 3011
Ion Ratio Lower Upper
248 100
250 96.0 80.5 120.7
141 79.2 72.0 108.0

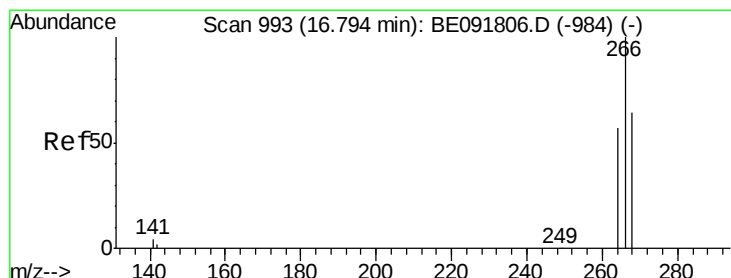
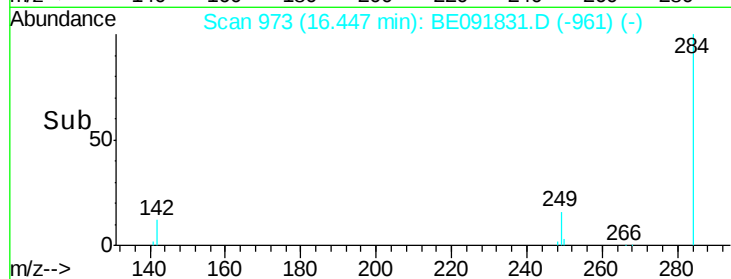
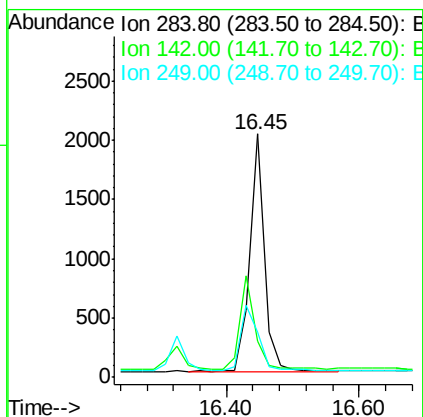
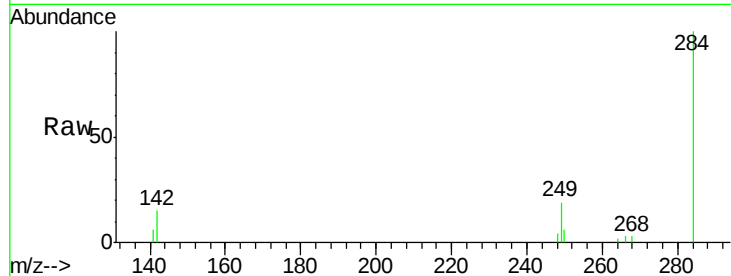




#21
Hexachlorobenzene
Concen: 0.36 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091831.D
Acq: 20 May 2016 5:24

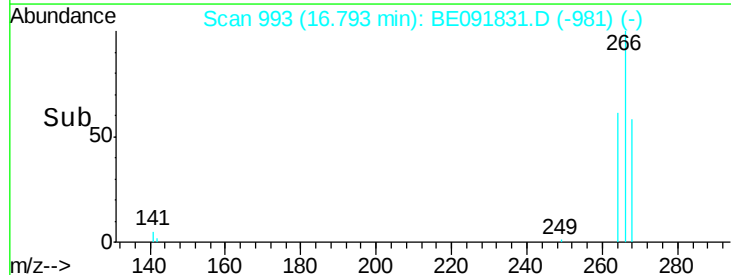
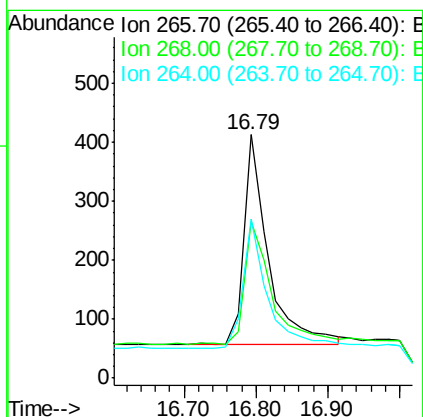
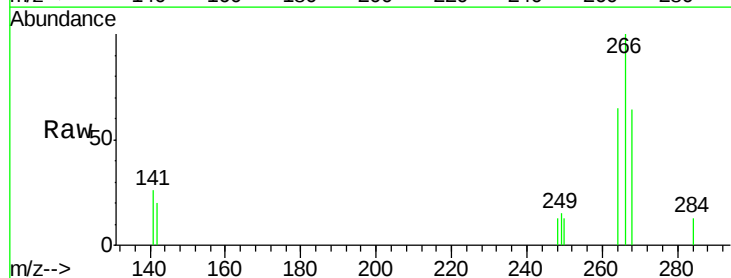
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 3073
Ion Ratio Lower Upper
284 100
142 39.1 32.2 48.2
249 32.2 25.4 38.2



#22
Pentachlorophenol
Concen: 0.24 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091831.D
Acq: 20 May 2016 5:24

Tgt Ion:266 Resp: 833
Ion Ratio Lower Upper
266 100
268 64.2 58.2 87.2
264 65.4 56.2 84.4





#23

Phenanthrene

Concen: 0.35 ng

RT: 17.17 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

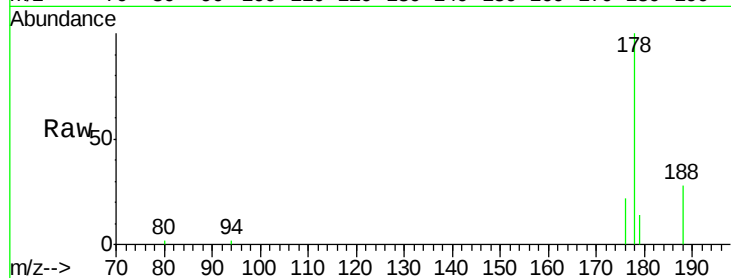
Tgt Ion:178 Resp: 19247

Ion Ratio Lower Upper

178 100

176 19.9 15.3 22.9

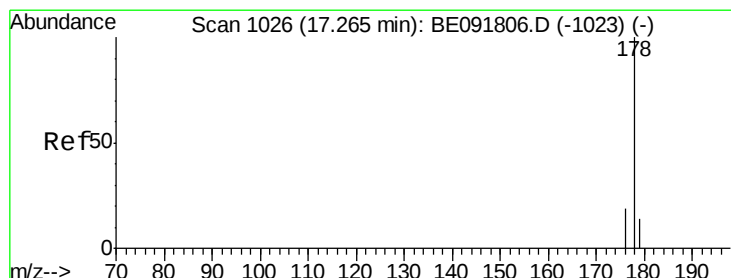
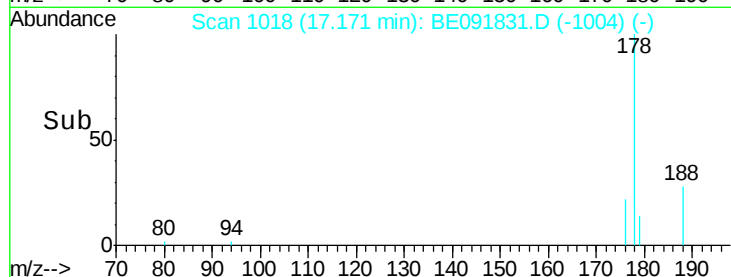
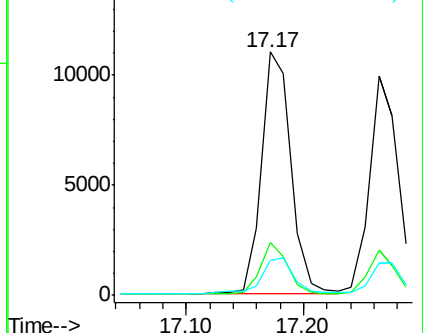
179 16.8 12.6 18.8



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: 0.36 ng

RT: 17.26 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

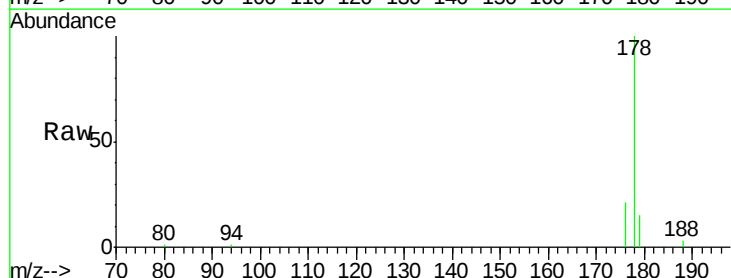
Tgt Ion:178 Resp: 17235

Ion Ratio Lower Upper

178 100

176 18.7 14.6 21.8

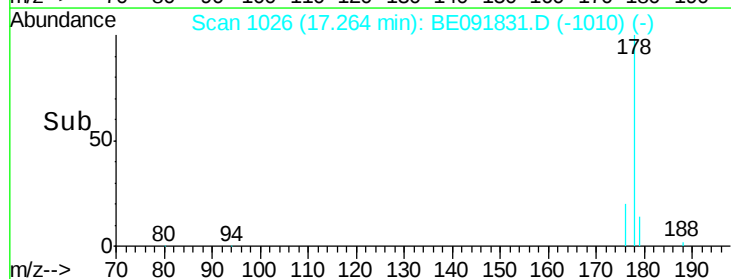
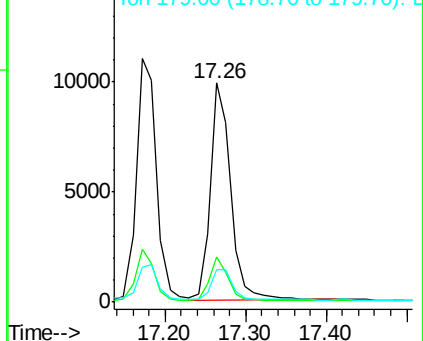
179 14.8 11.8 17.6

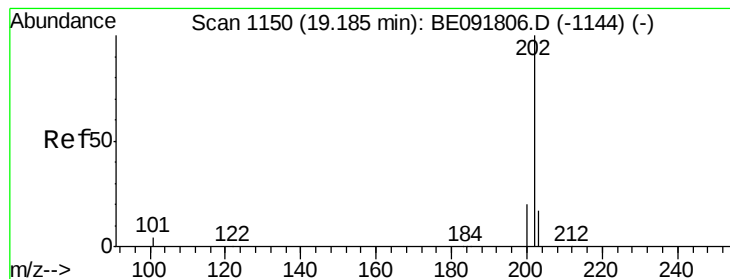


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.39 ng

RT: 19.19 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

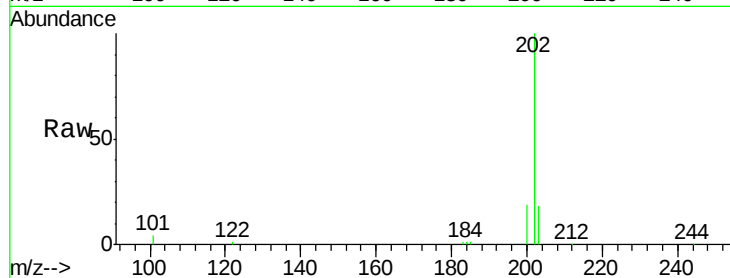
Tgt Ion: 202 Resp: 22384

Ion Ratio Lower Upper

202 100

101 11.1 11.0 16.6

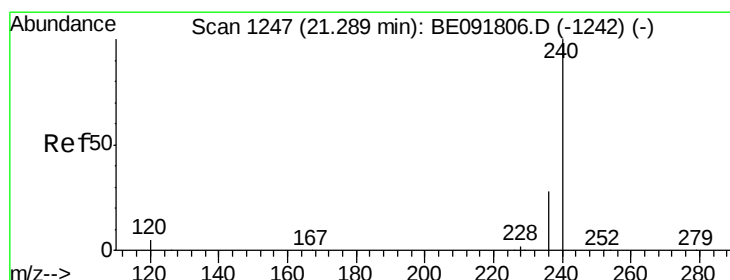
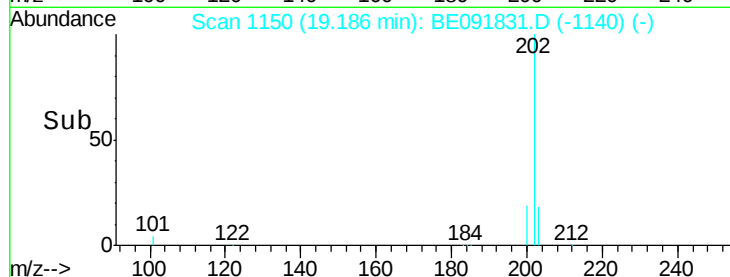
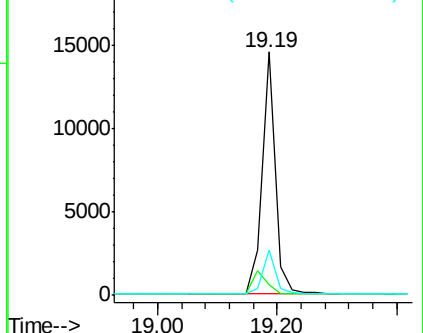
203 17.7 13.9 20.9



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: BE091831.D

Acq: 20 May 2016 5:24

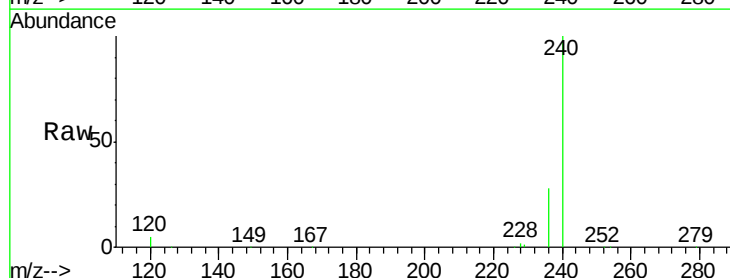
Tgt Ion: 240 Resp: 266989

Ion Ratio Lower Upper

240 100

120 4.6 11.0 16.4#

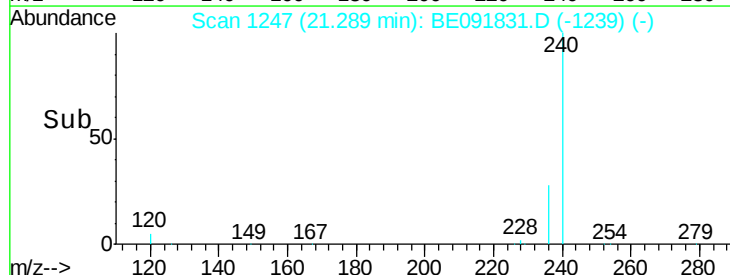
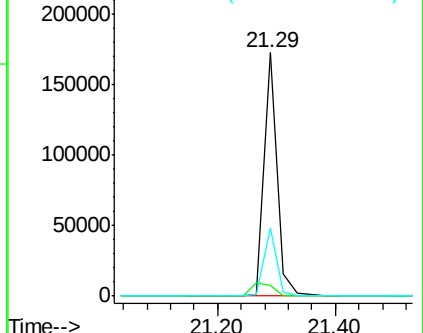
236 28.2 21.7 32.5

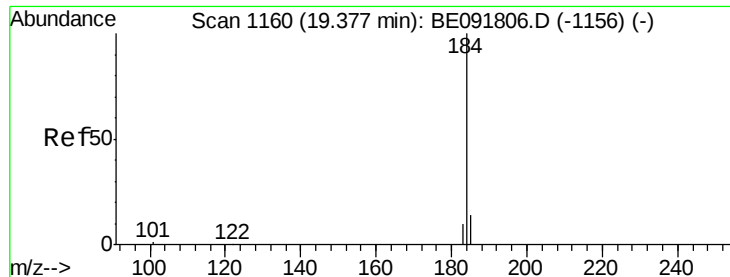


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.53 ng

RT: 19.38 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

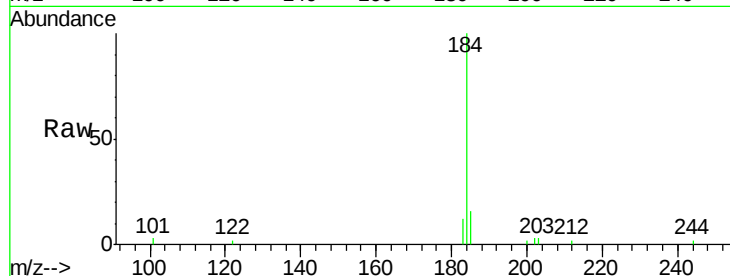
Tgt Ion:184 Resp: 8311

Ion Ratio Lower Upper

184 100

185 16.5 22.3 33.5#

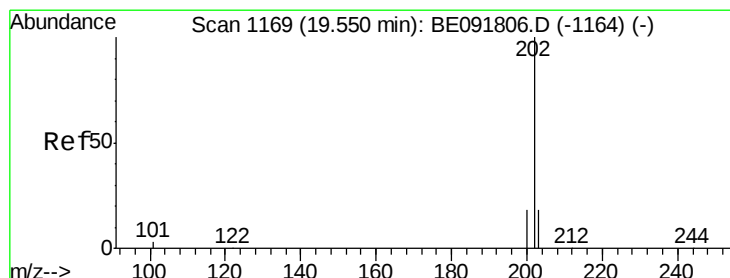
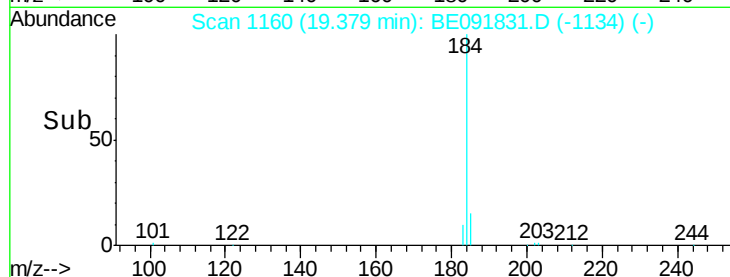
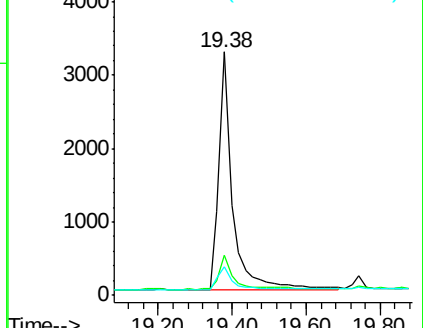
183 12.0 16.4 24.6#



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: 0.39 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

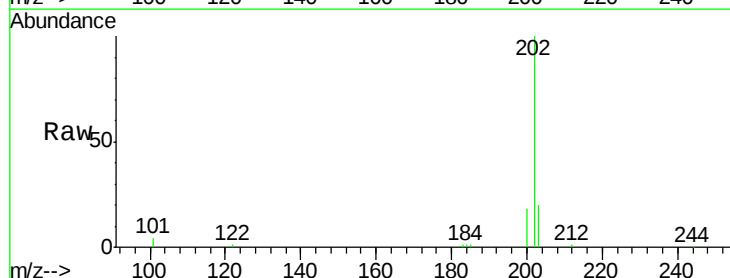
Tgt Ion:202 Resp: 22940

Ion Ratio Lower Upper

202 100

200 20.6 16.8 25.2

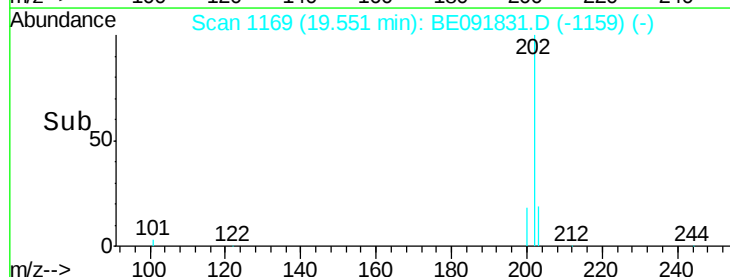
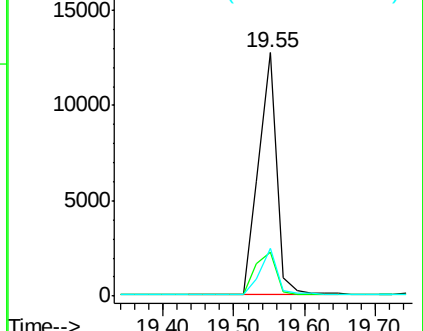
203 17.9 14.0 21.0

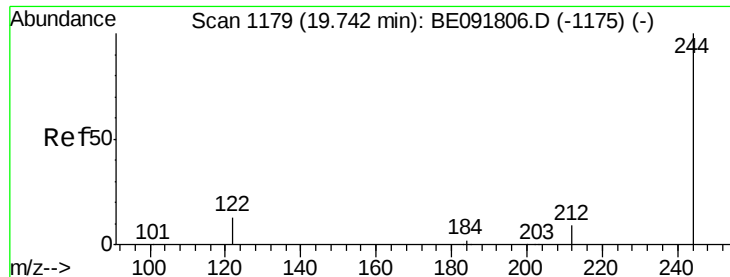


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.38 ng

RT: 19.74 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

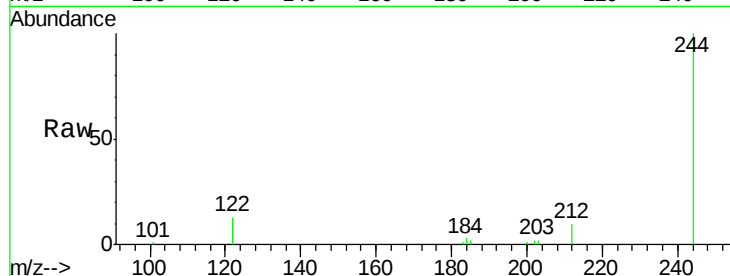
Tgt Ion:244 Resp: 14486

Ion Ratio Lower Upper

244 100

212 9.7 6.9 10.3

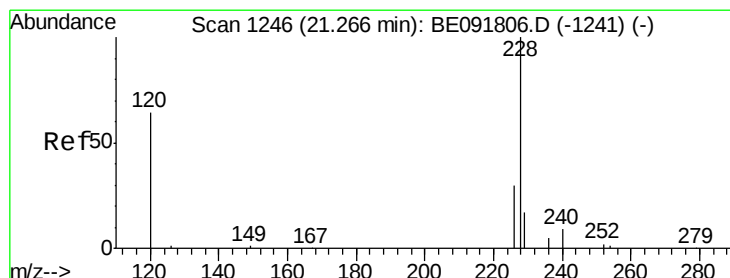
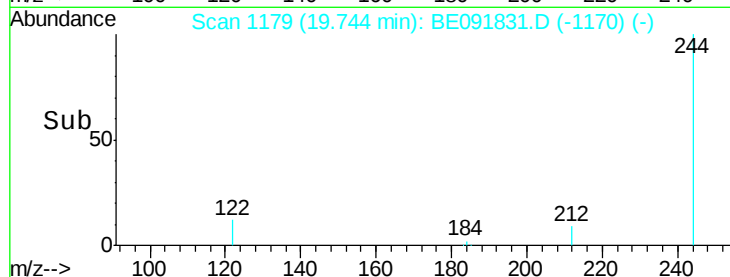
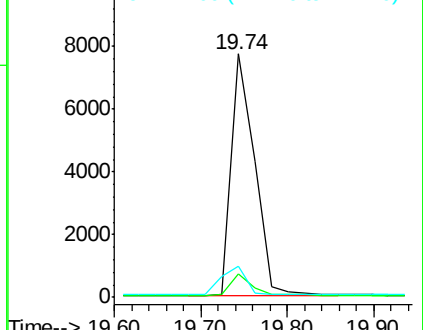
122 12.7 11.0 16.4



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: 0.73 ng

RT: 21.27 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

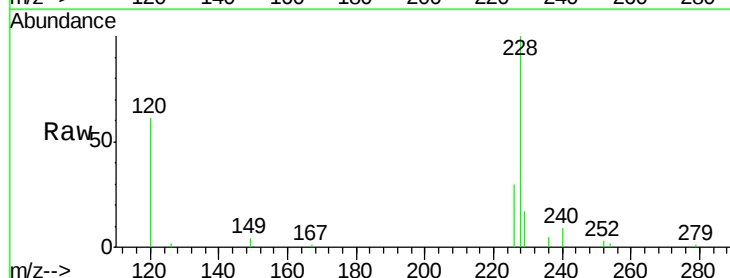
Tgt Ion:228 Resp: 47196

Ion Ratio Lower Upper

228 100

226 30.4 21.0 31.4

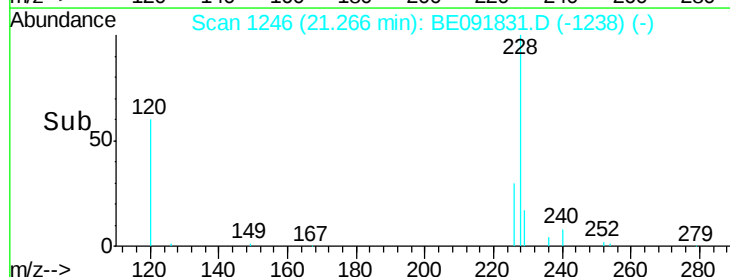
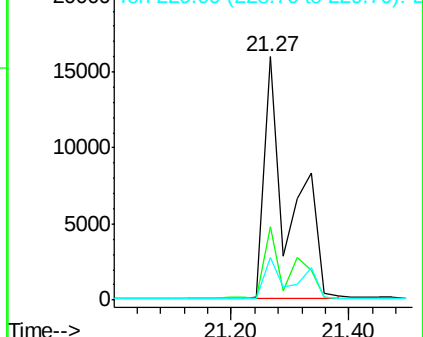
229 17.4 15.7 23.5



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

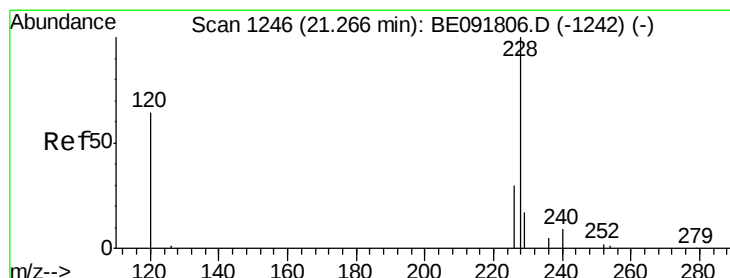
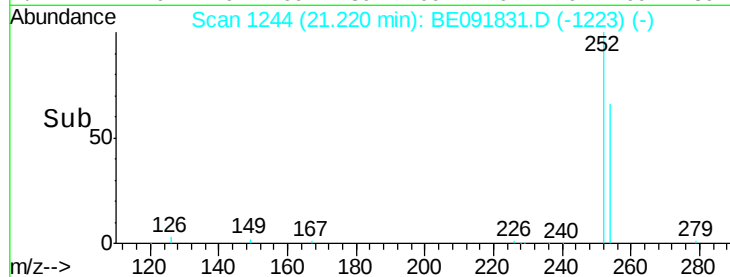
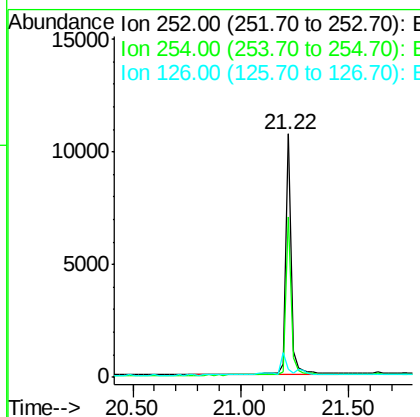
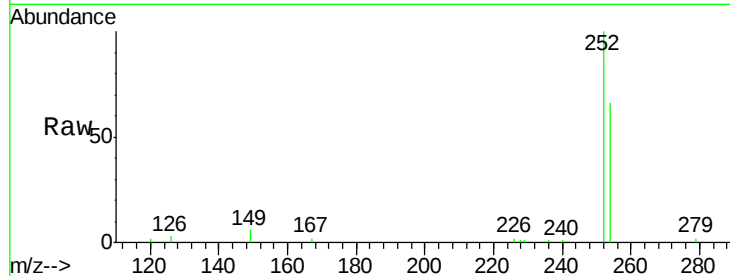




#31
 3,3'-Dichlorobenzidine
 Concen: 0.46 ng
 RT: 21.22 min Scan# 1244
 Delta R.T. -0.02 min
 Lab File: BE091831.D
 Acq: 20 May 2016 5:24

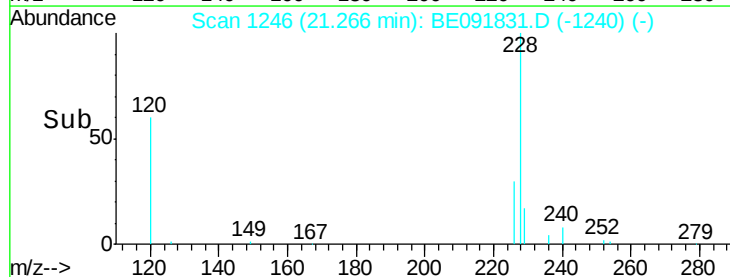
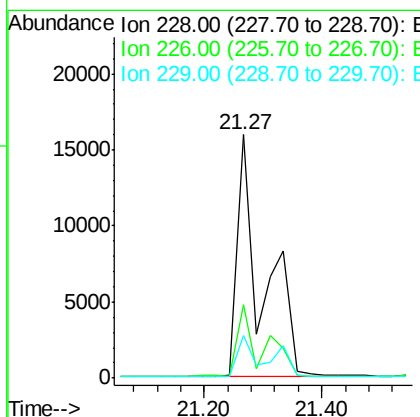
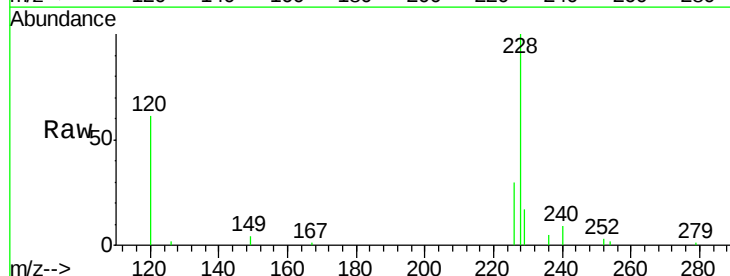
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

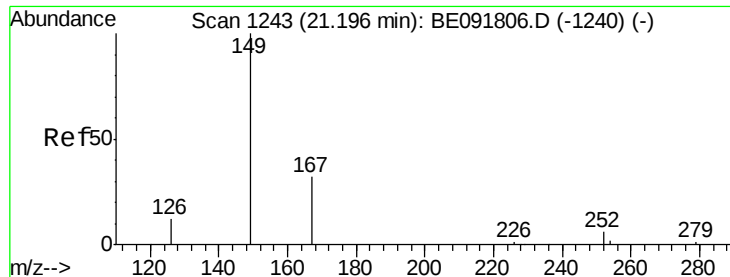
Tgt Ion:252 Resp: 18835
 Ion Ratio Lower Upper
 252 100
 254 65.9 51.1 76.7
 126 3.5 12.6 18.8#



#32
 Chrysene
 Concen: 0.89 ng
 RT: 21.27 min Scan# 1246
 Delta R.T. -0.07 min
 Lab File: BE091831.D
 Acq: 20 May 2016 5:24

Tgt Ion:228 Resp: 47404
 Ion Ratio Lower Upper
 228 100
 226 30.4 24.0 36.0
 229 17.4 15.9 23.9





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.58 ng

RT: 21.20 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

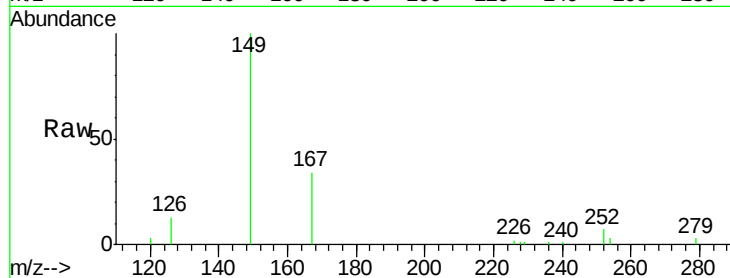
Tgt Ion:149 Resp: 12862

Ion Ratio Lower Upper

149 100

167 32.0 19.5 29.3#

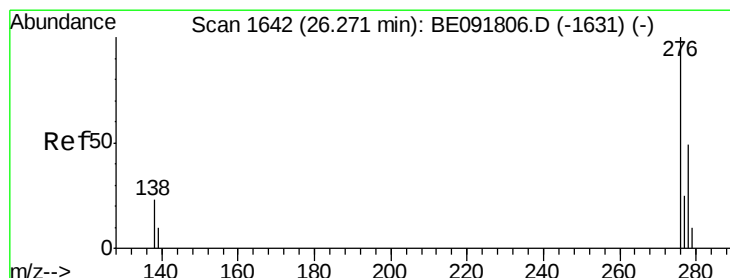
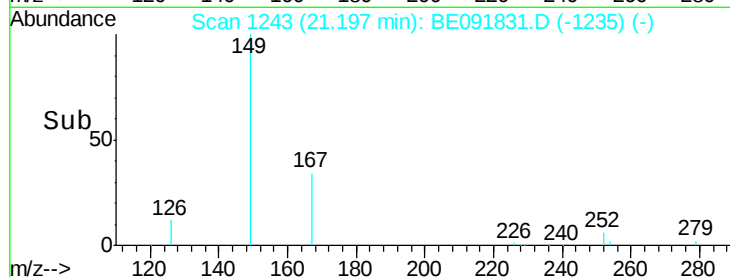
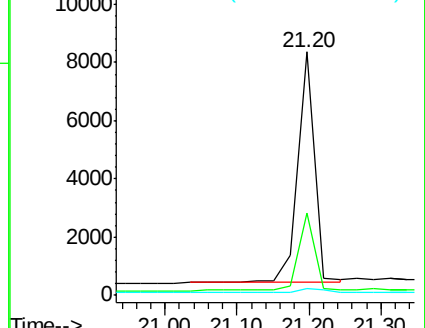
279 3.5 10.0 15.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Indeno(1,2,3-cd)pyrene

Concen: 0.39 ng

RT: 26.27 min Scan# 1642

Delta R.T. -0.04 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

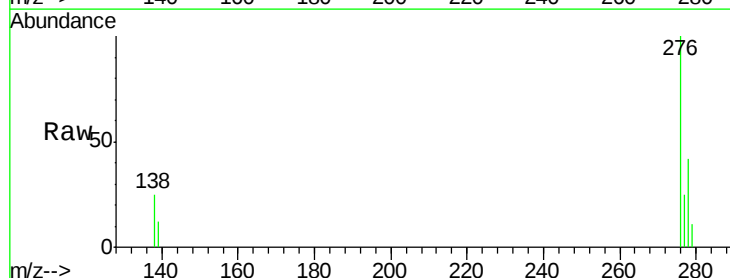
Tgt Ion:276 Resp: 25461

Ion Ratio Lower Upper

276 100

138 25.1 23.4 35.2

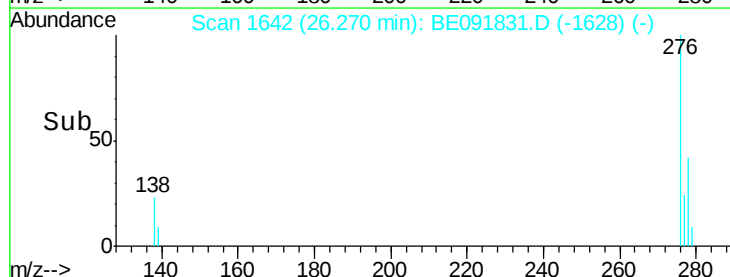
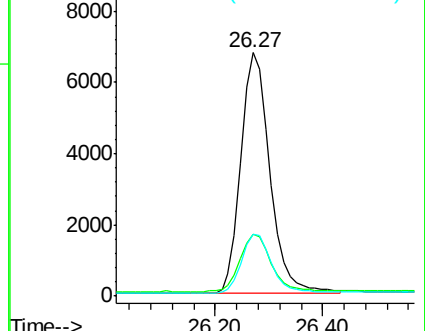
277 24.7 19.8 29.8

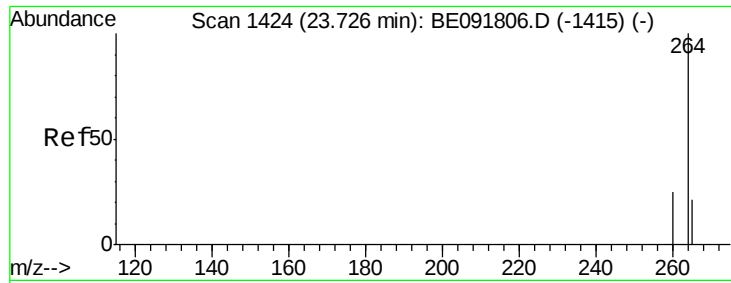


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

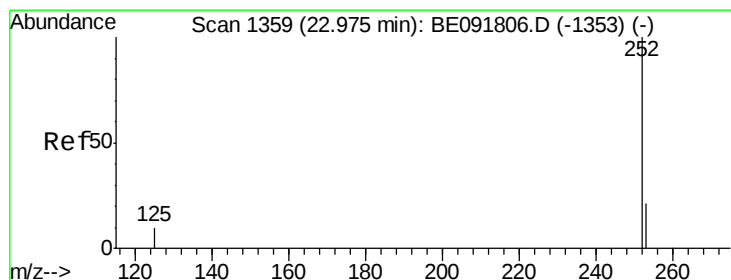
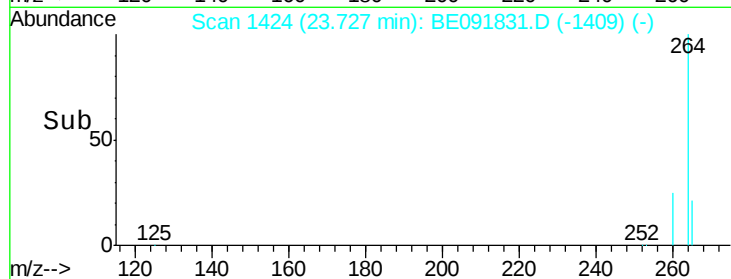
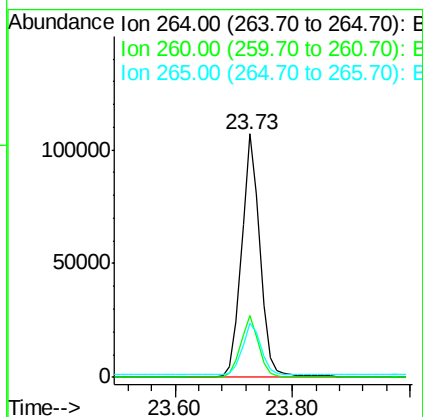
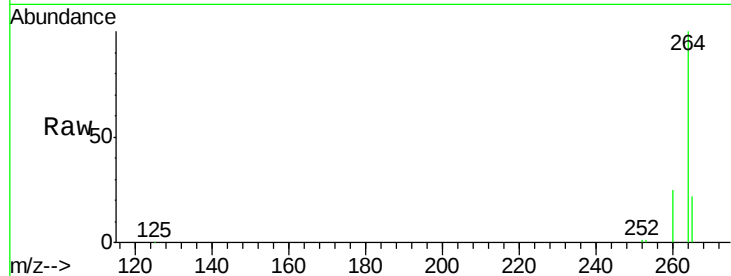




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.73 min Scan# 1424
 Delta R.T. -0.02 min
 Lab File: BE091831.D
 Acq: 20 May 2016 5:24

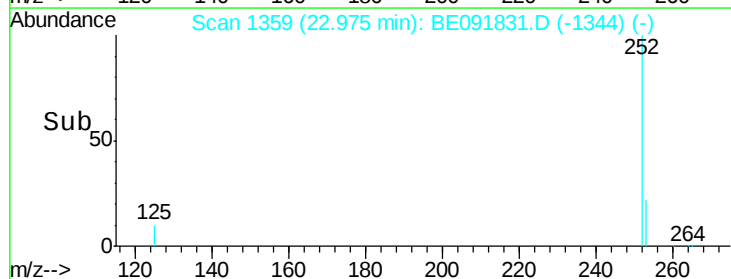
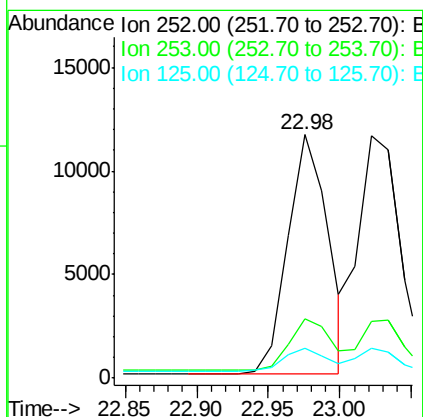
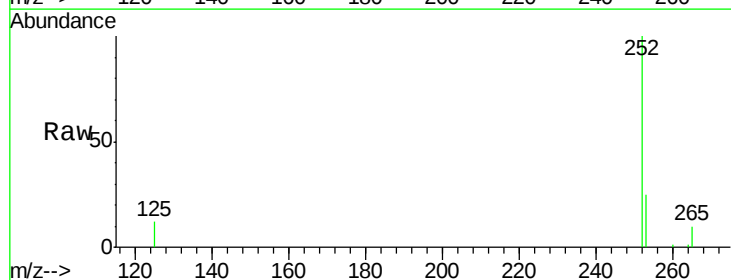
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

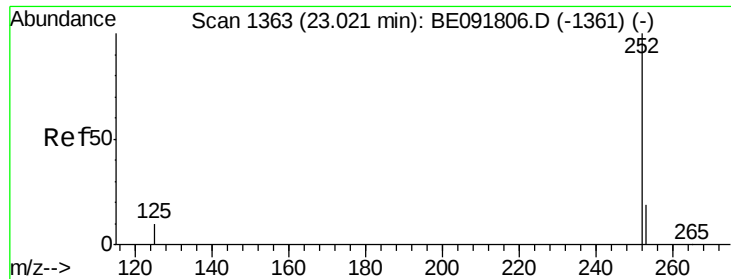
Tgt Ion: 264 Resp: 231200
 Ion Ratio Lower Upper
 264 100
 260 25.5 20.0 30.0
 265 22.0 17.5 26.3



#36
 Benzo(b)fluoranthene
 Concen: 0.39 ng
 RT: 22.98 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: BE091831.D
 Acq: 20 May 2016 5:24

Tgt Ion: 252 Resp: 22438
 Ion Ratio Lower Upper
 252 100
 253 24.5 17.4 26.0
 125 12.4 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 0.40 ng

RT: 23.02 min Scan# 1363

Delta R.T. -0.02 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

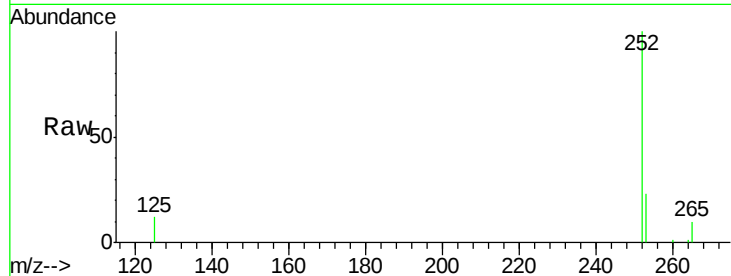
Tgt Ion:252 Resp: 23644

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

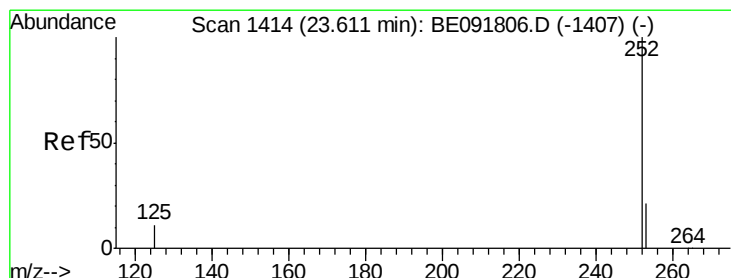
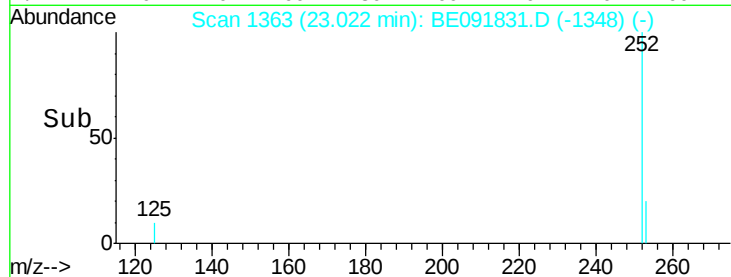
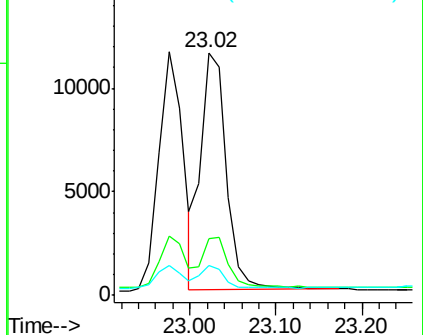
125 12.5 9.9 14.9



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: 0.40 ng

RT: 23.61 min Scan# 1414

Delta R.T. -0.02 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

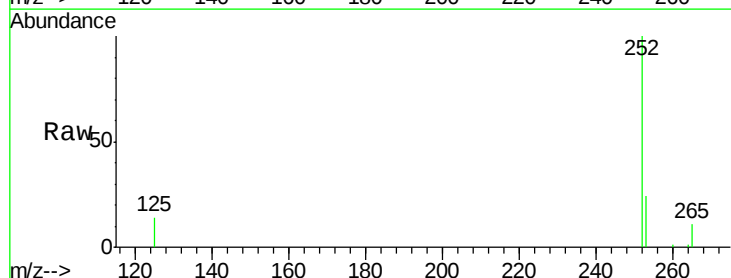
Tgt Ion:252 Resp: 21957

Ion Ratio Lower Upper

252 100

253 24.3 18.1 27.1

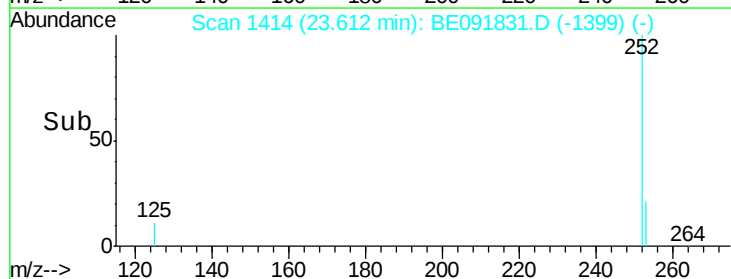
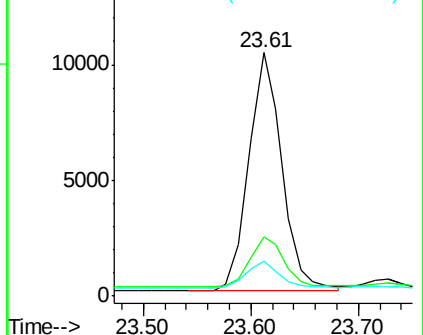
125 14.2 11.0 16.4

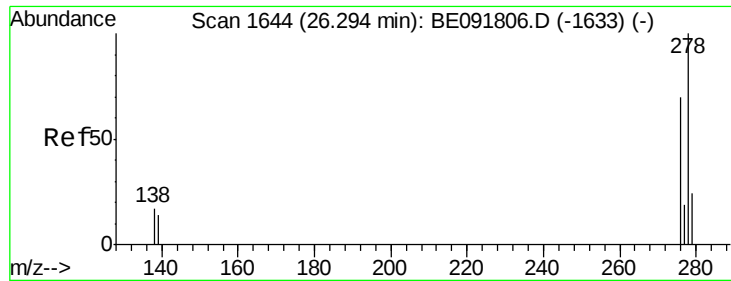


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 0.39 ng

RT: 26.29 min Scan# 1644

Delta R.T. -0.05 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

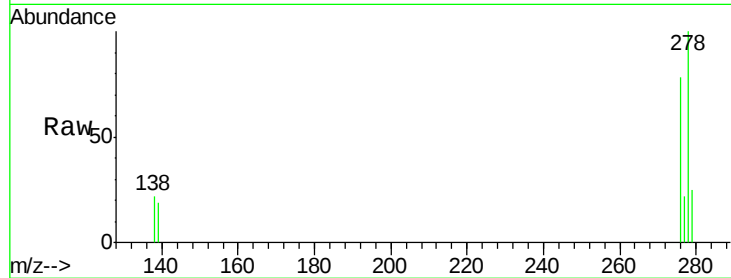
Tgt Ion: 278 Resp: 21207

Ion Ratio Lower Upper

278 100

139 18.9 16.0 24.0

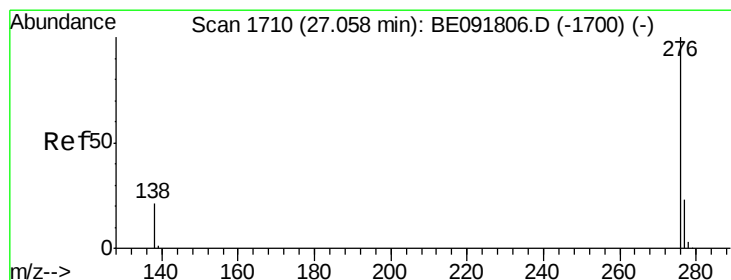
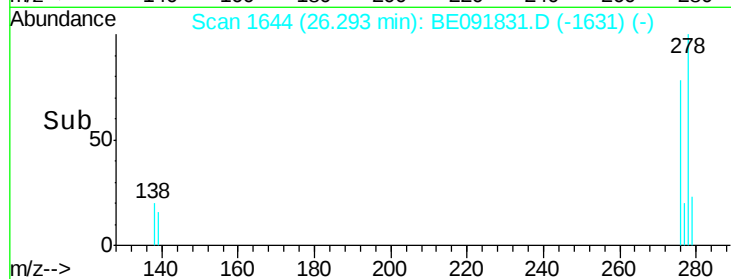
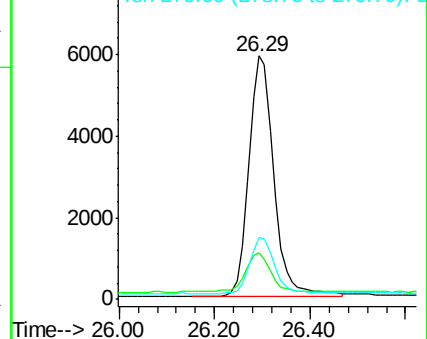
279 25.5 19.4 29.2



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: 0.39 ng

RT: 27.06 min Scan# 1710

Delta R.T. -0.05 min

Lab File: BE091831.D

Acq: 20 May 2016 5:24

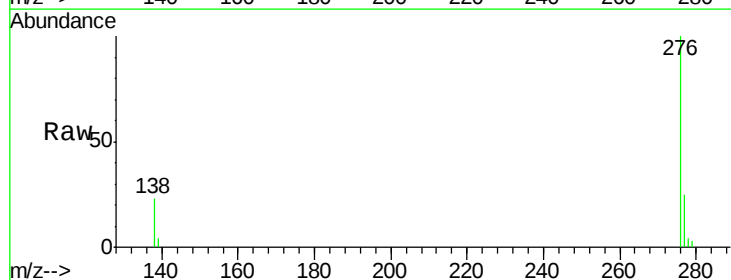
Tgt Ion: 276 Resp: 21804

Ion Ratio Lower Upper

276 100

277 24.7 18.6 28.0

138 23.3 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

