

Data Path : Z:\HPCHEM1\BNA E\DATA\BE041816\
 Data File : BE091662.D
 Acq On : 18 Apr 2016 13:14
 Operator : UM/SJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Quant Time: Apr 18 14:05:45 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 18 13:19:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	33968	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	164352	5.00	ng	0.00
13) Acenaphthene-d10	14.42	164	100117	5.00	ng	0.00
19) Phenanthrene-d10	17.15	188	246401	5.00	ng	0.00
26) Chrysene-d12	21.31	240	289618	5.00	ng	0.00
35) Perylene-d12	23.75	264	252760	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	5913	0.73	ng	0.00
5) Phenol-d6	6.97	99	7760	0.72	ng	0.00
8) Nitrobenzene-d5	8.96	82	6531	0.68	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	2348	0.86	ng	-0.01
15) 2-Fluorobiphenyl	13.05	172	23264	0.84	ng	0.00
29) Terphenyl-d14	19.76	244	35124	0.97	ng	0.00

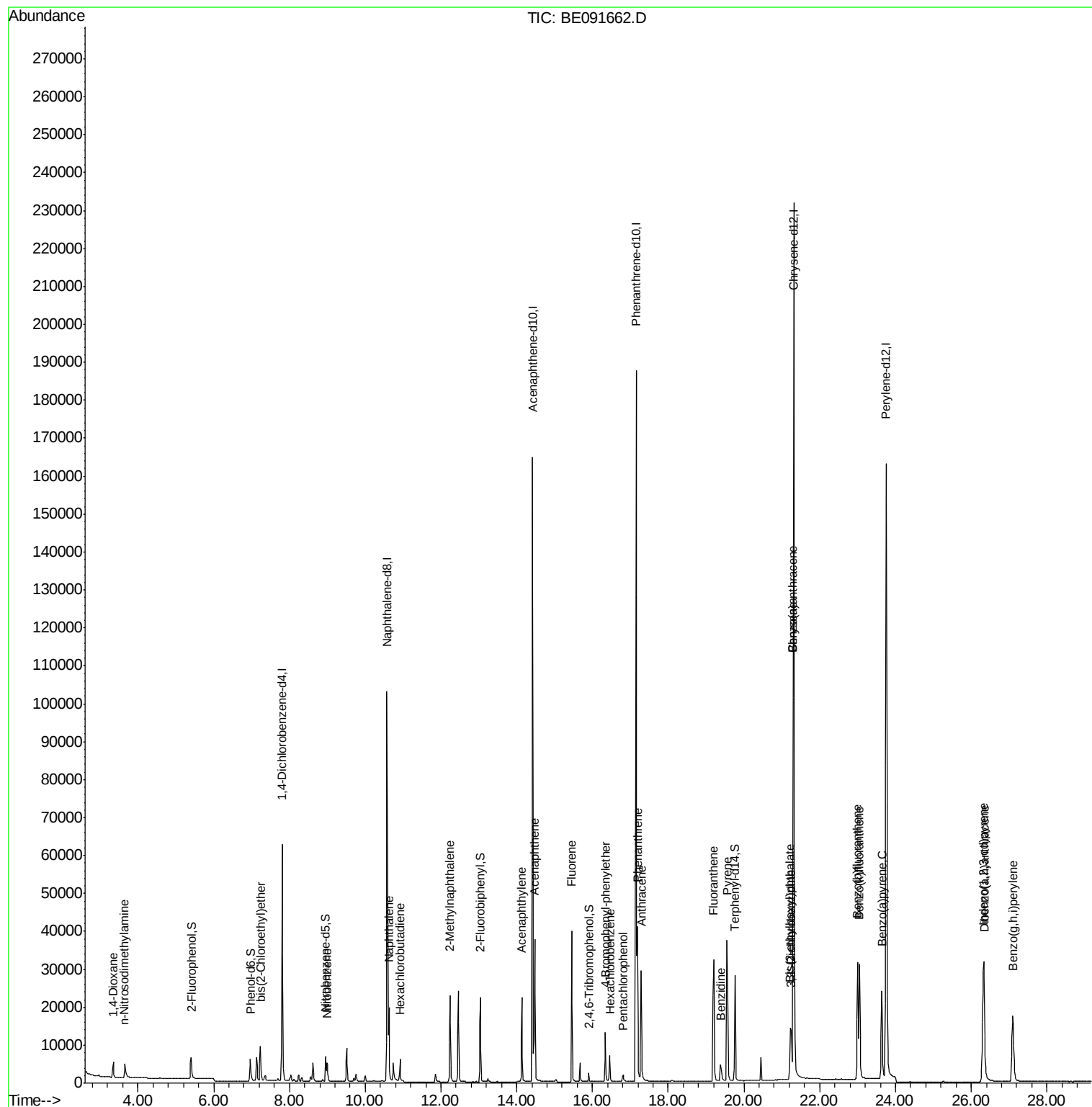
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	3427	0.85	ng	# 95
3) n-Nitrosodimethylamine	3.64	42	4224	0.81	ng	# 86
6) bis(2-Chloroethyl)ether	7.23	93	7615	0.81	ng	# 77
9) Nitrobenzene	8.99	77	6661	0.71	ng	97
10) Naphthalene	10.63	128	28013	0.83	ng	98
11) Hexachlorobutadiene	10.92	225	4764	0.96	ng	95
12) 2-Methylnaphthalene	12.24	142	17815	0.82	ng	98
16) Acenaphthylene	14.14	152	30208	0.78	ng	# 81
17) Acenaphthene	14.47	154	20506	0.83	ng	89
18) Fluorene	15.46	166	25052	0.82	ng	99
20) 4-Bromophenyl-phenylether	16.34	248	7119	0.82	ng	95
21) Hexachlorobenzene	16.46	284	7538	0.84	ng	97
22) Pentachlorophenol	16.81	266	1864	0.61	ng	91
23) Phenanthrene	17.19	178	47329	0.84	ng	100
24) Anthracene	17.29	178	40817	0.82	ng	99
25) Fluoranthene	19.21	202	44601	0.75	ng	97
27) Benzidine	19.38	184	9912	0.66	ng	# 77
28) Pyrene	19.55	202	47787	0.83	ng	99
30) Benzo(a)anthracene	21.29	228	113134	1.75	ng	97
31) 3,3'-Dichlorobenzidine	21.24	252	19193	0.55	ng	# 78
32) Chrysene	21.29	228	113712	1.93	ng	93
33) Bis(2-ethylhexyl)phthalate	21.22	149	8090	0.42	ng	# 86
34) Indeno(1,2,3-cd)pyrene	26.32	276	49958	0.76	ng	97
36) Benzo(b)fluoranthene	23.00	252	45050	0.77	ng	99
37) Benzo(k)fluoranthene	23.04	252	47850	0.83	ng	97
38) Benzo(a)pyrene	23.65	252	41222	0.76	ng	97
39) Dibenzo(a,h)anthracene	26.34	278	41079	0.77	ng	96
40) Benzo(g,h,i)perylene	27.10	276	42651	0.77	ng	95

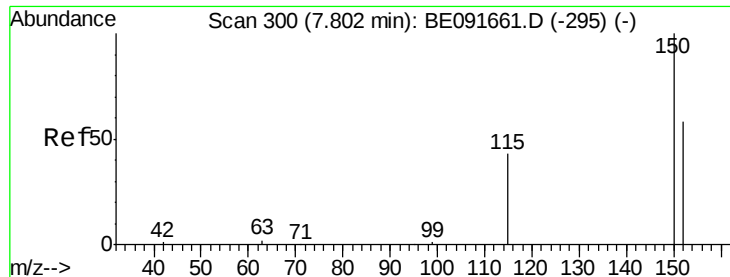
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. 0.00 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

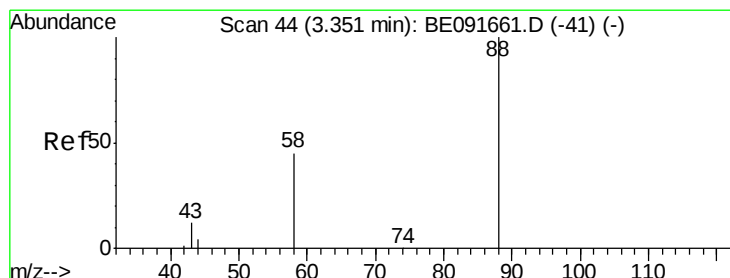
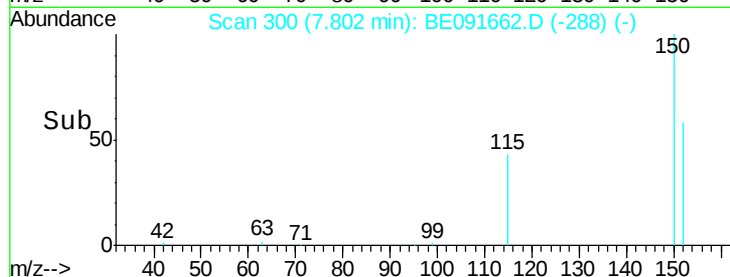
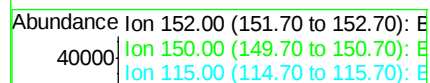
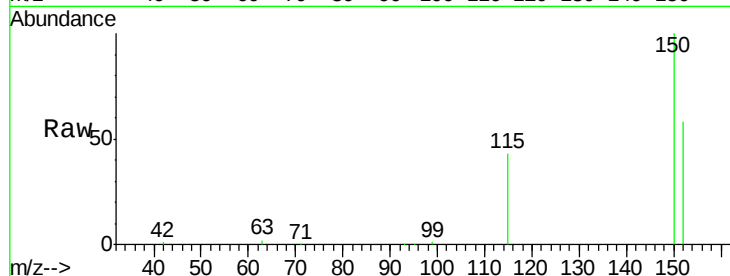
Tot Ion:152 Resp: 33968

Ion Ratio Lower Upper

152 100

150 173.6 122.6 183.8

115 75.1 52.8 79.2



#2

1,4-Dioxane

Concen: 0.85 ng

RT: 3.35 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

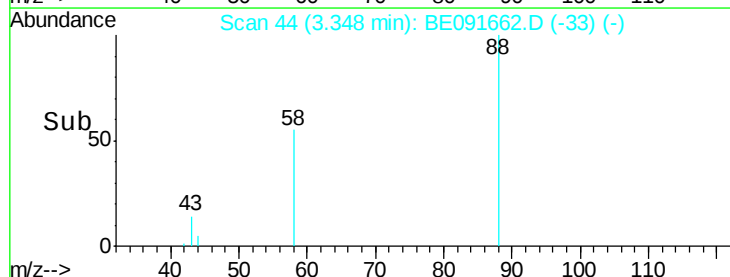
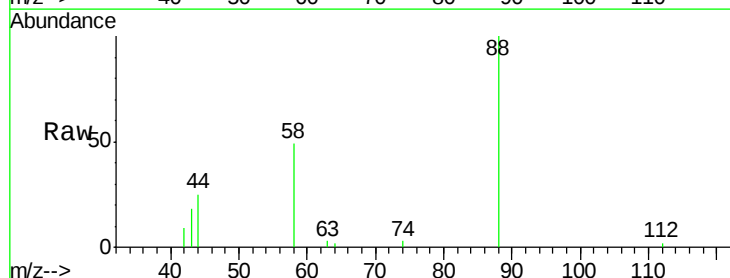
Tgt Ion: 88 Resp: 3427

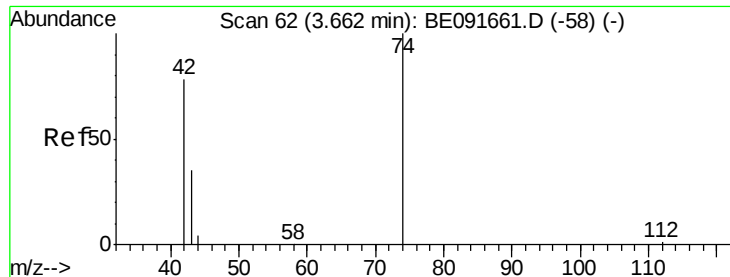
Ion Ratio Lower Upper

88 100

58 79.6 65.8 98.6

43 38.0 25.3 37.9#





#3

n-Nitrosodimethylamine

Concen: 0.81 ng

RT: 3.64 min Scan# 61

Delta R.T. -0.02 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

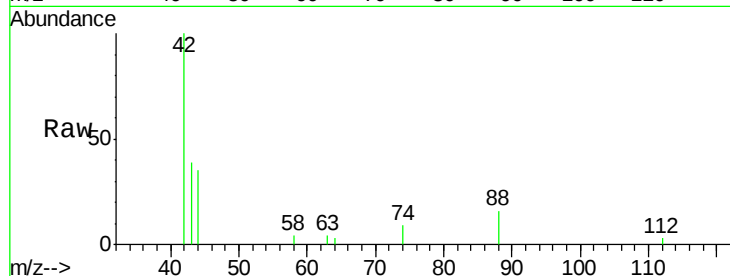
Tot Ion: 42 Resp: 4224

Ion Ratio Lower Upper

42 100

74 94.3 87.9 131.9

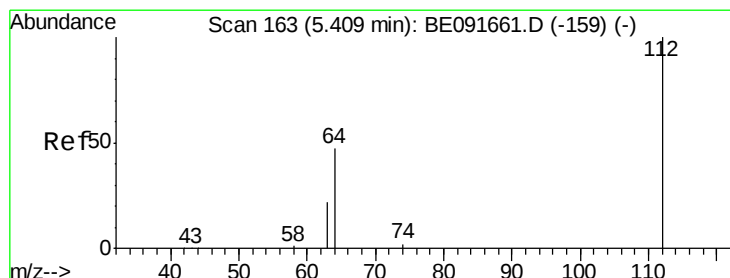
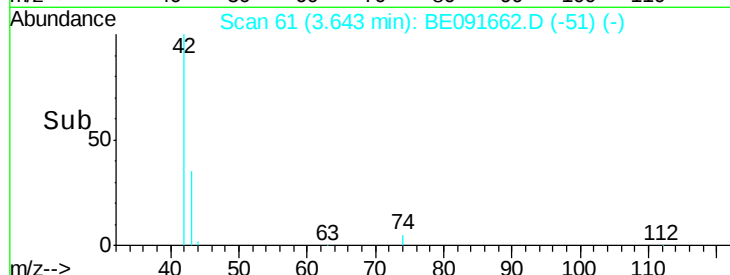
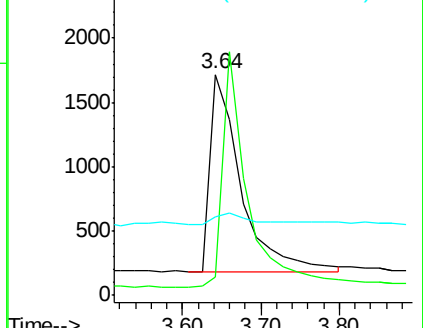
44 6.2 6.6 9.8#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.73 ng

RT: 5.41 min Scan# 163

Delta R.T. -0.00 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

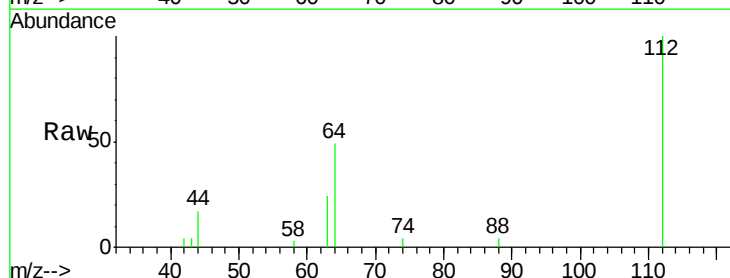
Tgt Ion: 112 Resp: 5913

Ion Ratio Lower Upper

112 100

64 67.8 30.9 46.3#

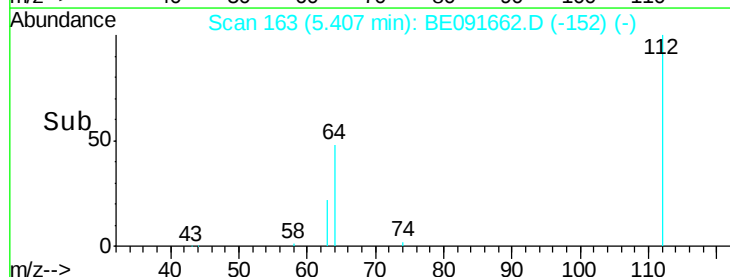
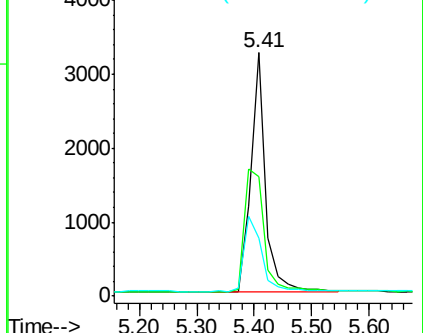
63 36.3 16.7 25.1#

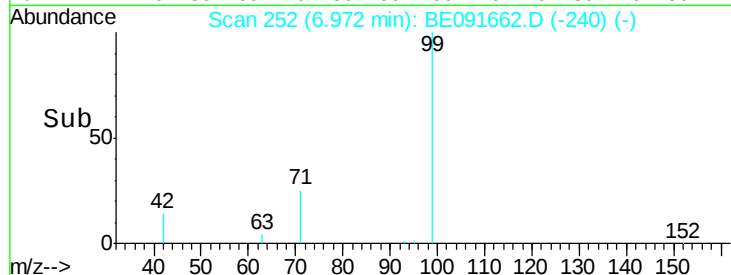
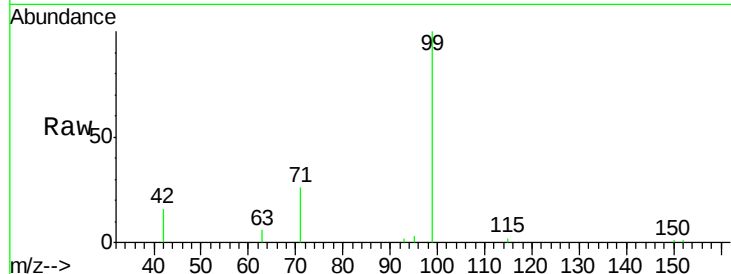
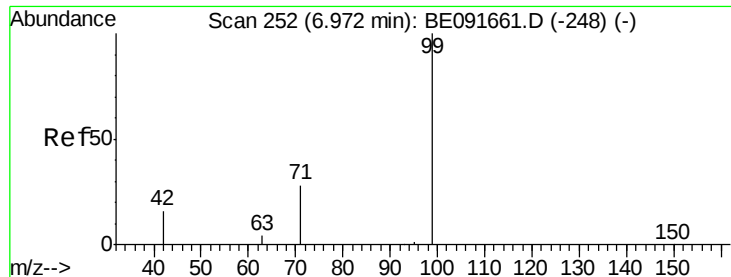


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.72 ng

RT: 6.97 min Scan# 252

Delta R.T. 0.00 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

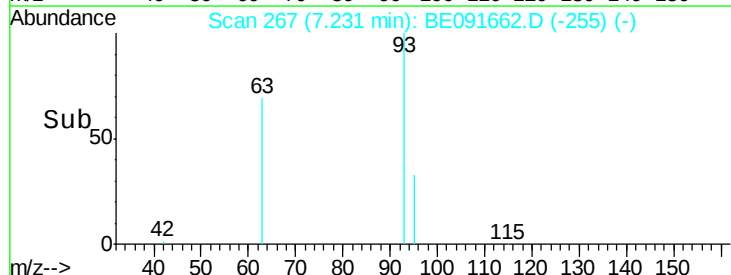
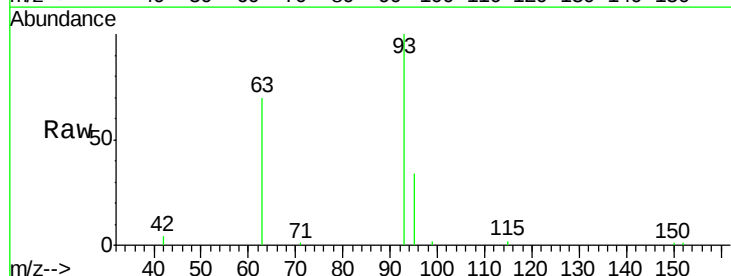
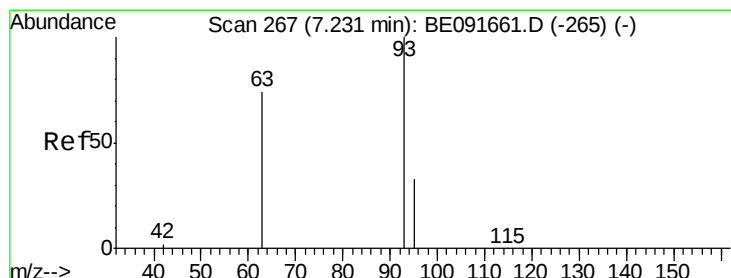
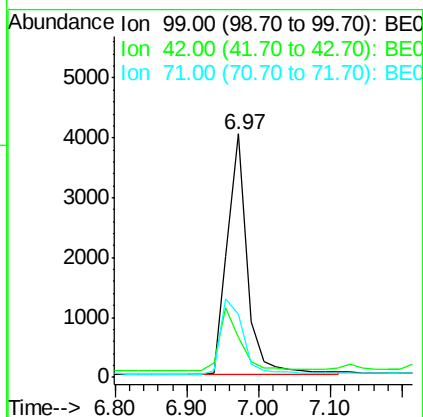
Tot Ion: 99 Resp: 7760

Ion Ratio Lower Upper

99 100

42 27.1 16.2 24.2#

71 36.1 29.0 43.4



#6

bis(2-Chloroethyl)ether

Concen: 0.81 ng

RT: 7.23 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

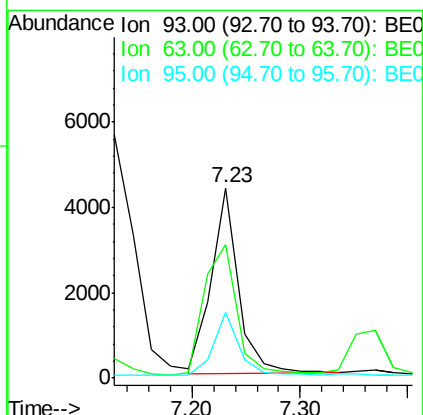
Tgt Ion: 93 Resp: 7615

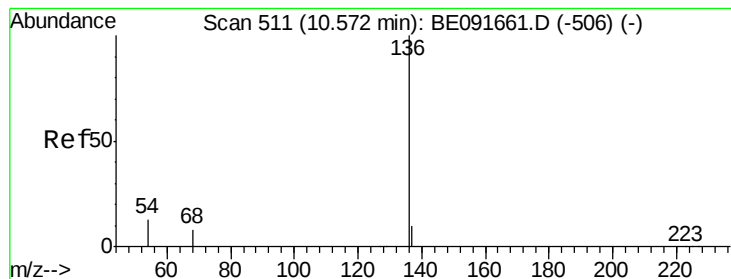
Ion Ratio Lower Upper

93 100

63 84.6 49.5 74.3#

95 33.0 22.2 33.4





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

Tot Ion:136 Resp: 164352

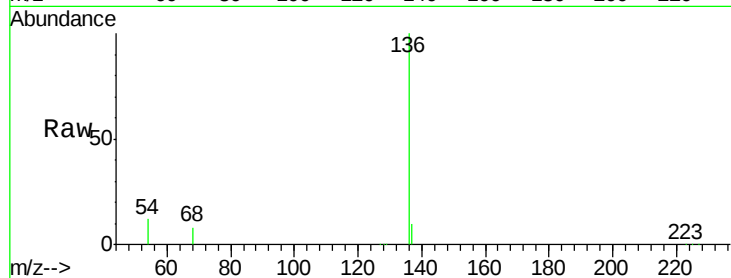
Ion Ratio Lower Upper

136 100

137 10.2 8.9 13.3

54 11.7 8.2 12.4

68 7.9 6.2 9.4

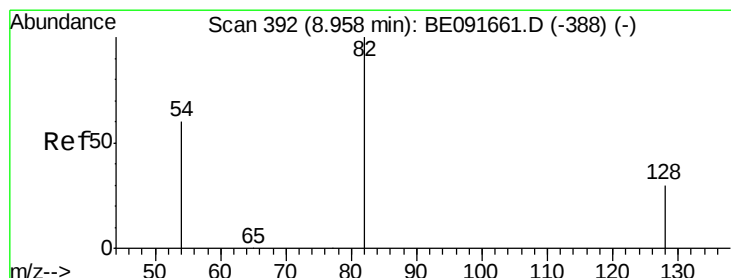
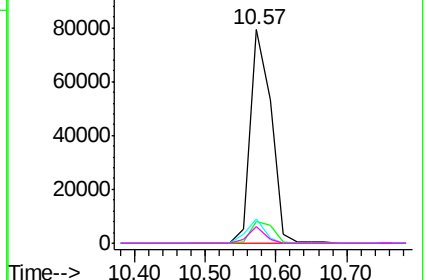
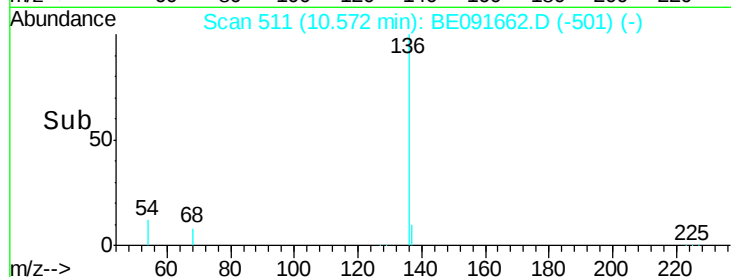


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.68 ng

RT: 8.96 min Scan# 392

Delta R.T. 0.00 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

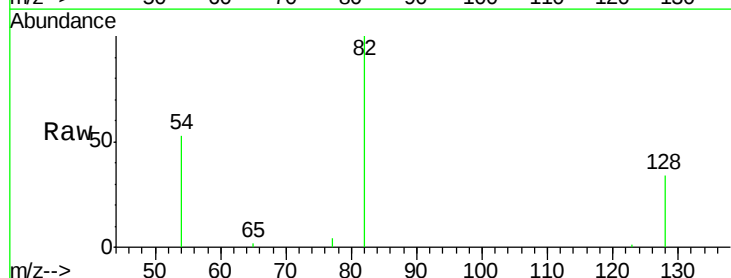
Tgt Ion: 82 Resp: 6531

Ion Ratio Lower Upper

82 100

128 34.1 25.4 38.0

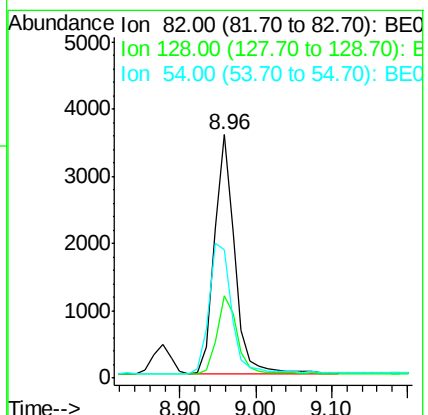
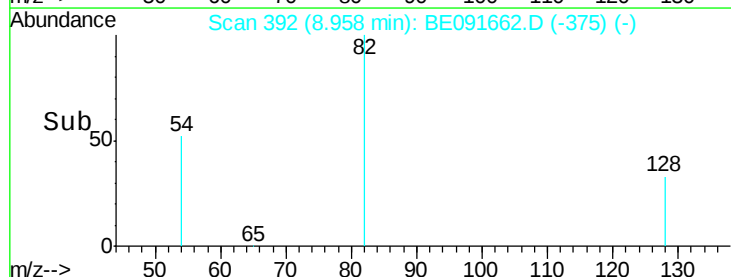
54 52.7 48.4 72.6

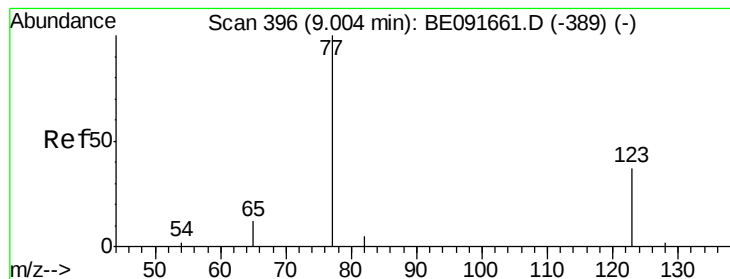


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.71 ng

RT: 8.99 min Scan# 395

Delta R.T. -0.01 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

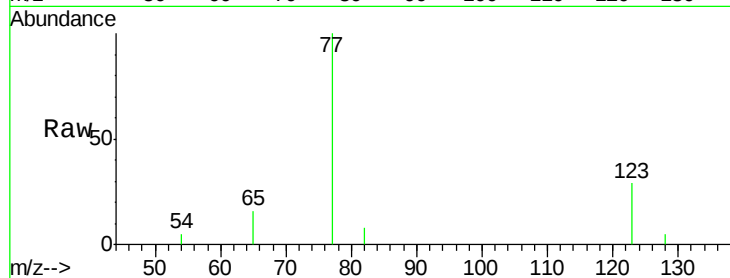
Tot Ion: 77 Resp: 6661

Ion Ratio Lower Upper

77 100

123 35.1 26.9 40.3

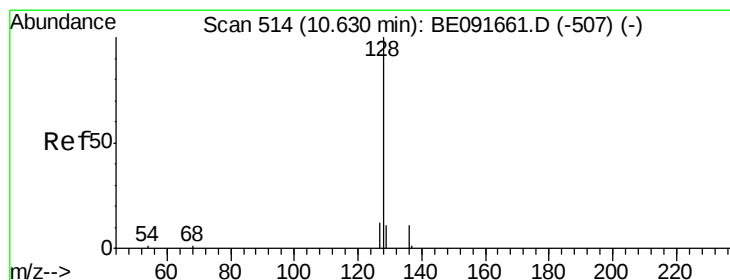
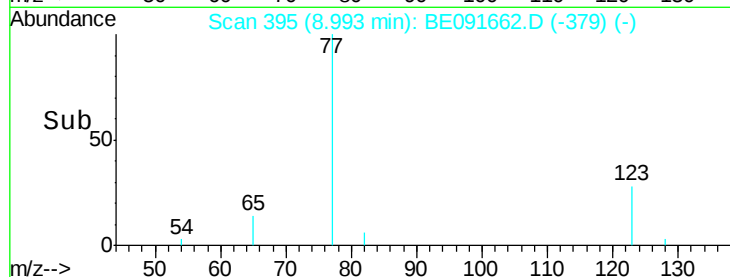
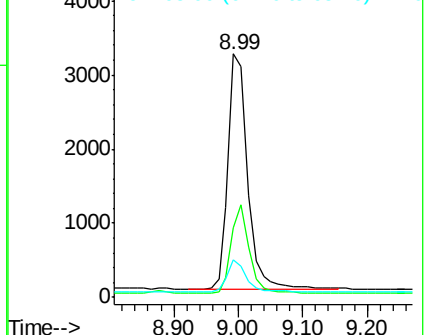
65 13.6 9.4 14.2



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: 0.83 ng

RT: 10.63 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

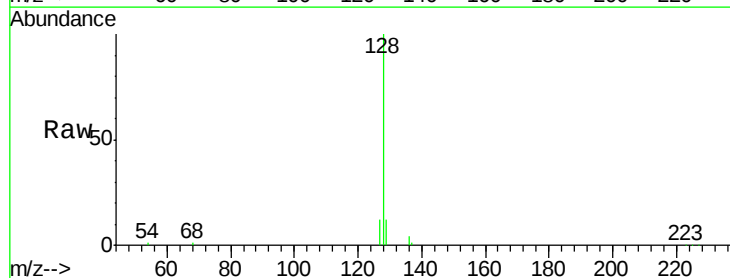
Tgt Ion: 128 Resp: 28013

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

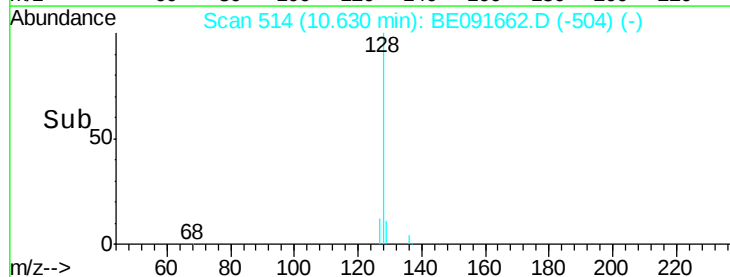
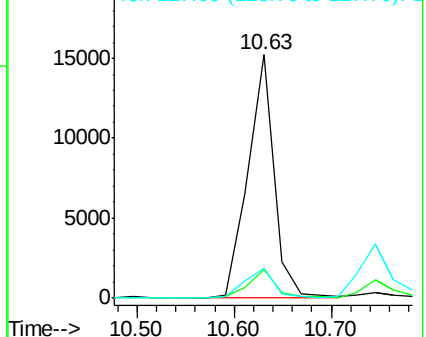
127 12.1 10.7 16.1

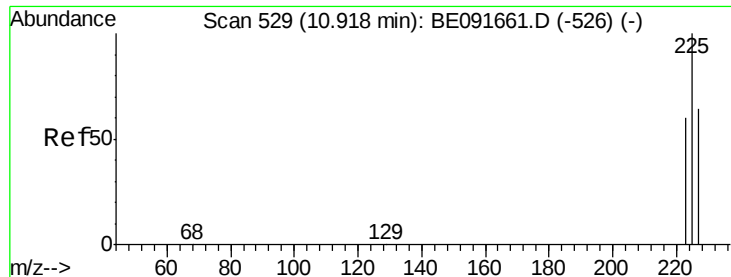


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

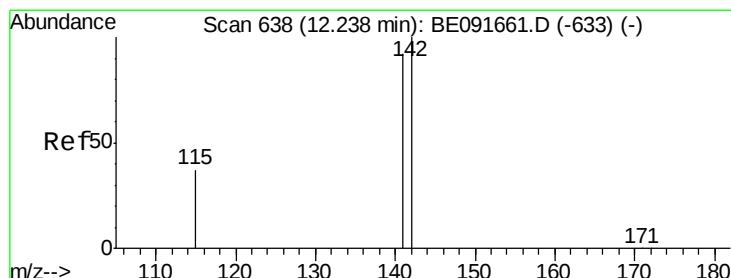
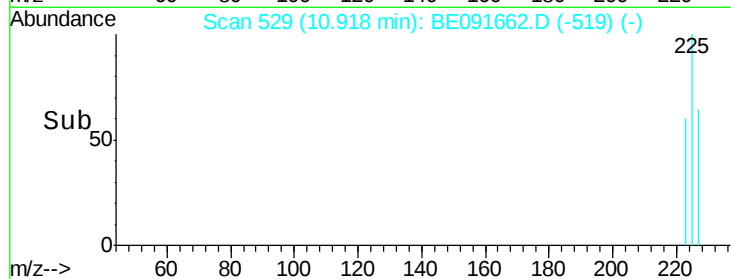
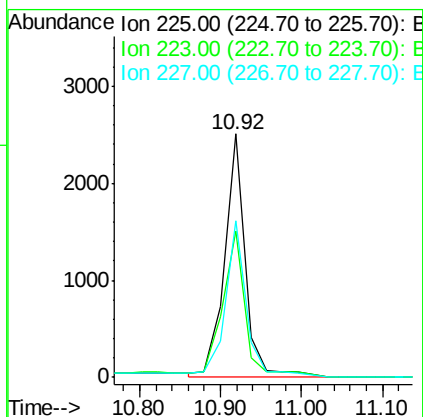
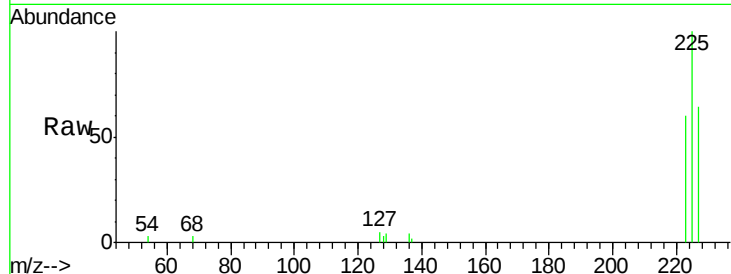




#11
Hexachlorobutadiene
Concen: 0.96 ng
RT: 10.92 min Scan# 529
Delta R.T. 0.00 min
Lab File: BE091662.D
Acq: 18 Apr 2016 13:14

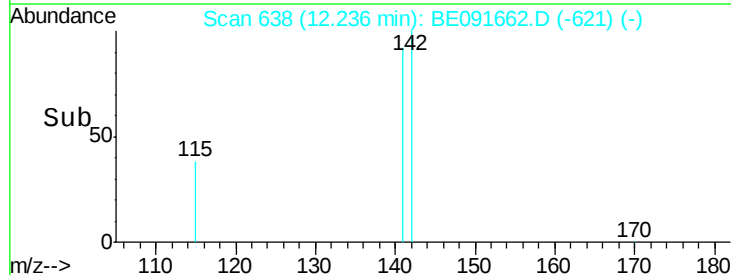
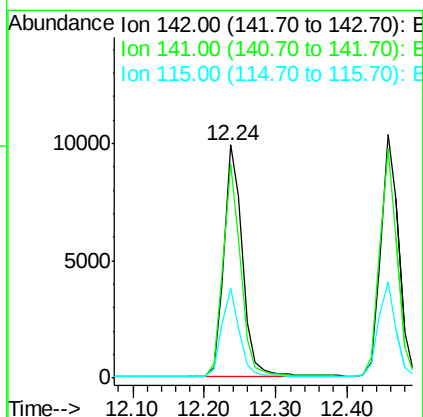
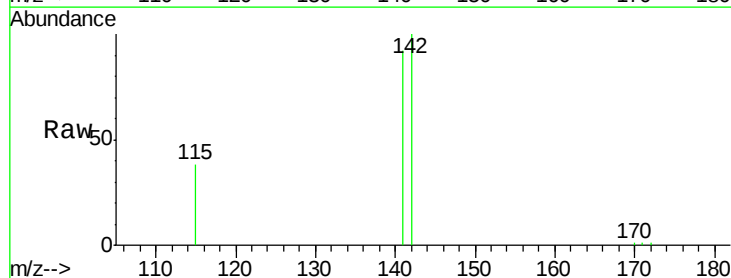
Instrument :
BNA_E
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SSTDIC0.8

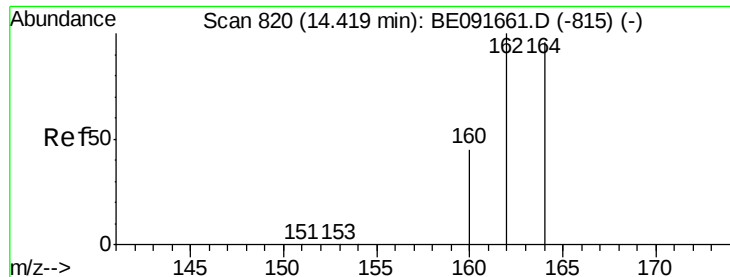
Tot Ion:225 Resp: 4764
Ion Ratio Lower Upper
225 100
223 66.2 49.0 73.6
227 66.1 50.3 75.5



#12
2-Methylnaphthalene
Concen: 0.82 ng
RT: 12.24 min Scan# 638
Delta R.T. -0.00 min
Lab File: BE091662.D
Acq: 18 Apr 2016 13:14

Tgt Ion:142 Resp: 17815
Ion Ratio Lower Upper
142 100
141 92.0 71.4 107.0
115 38.4 30.3 45.5





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 820

Delta R.T. -0.00 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

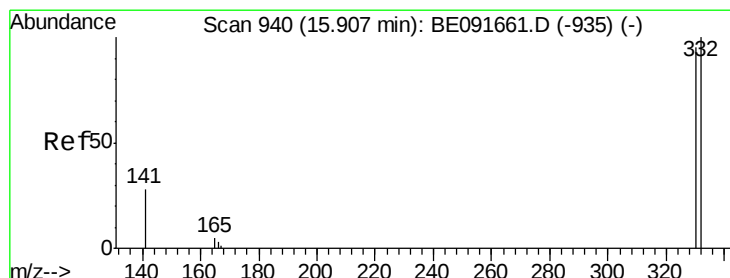
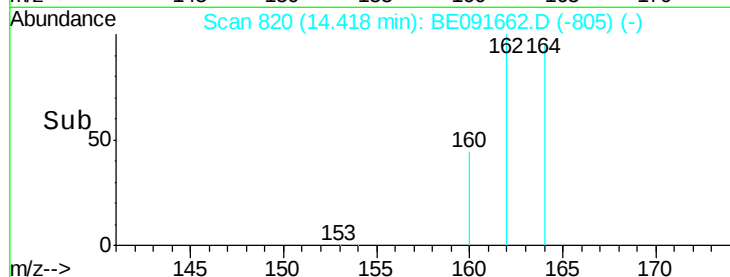
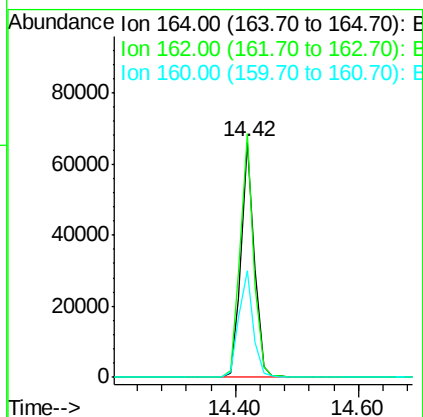
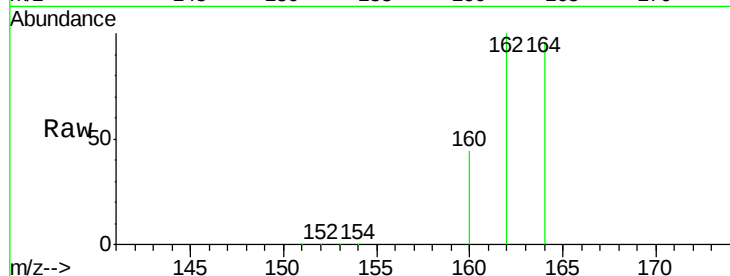
Tot Ion:164 Resp: 100117

Ion Ratio Lower Upper

164 100

162 103.7 85.3 127.9

160 45.6 46.2 69.2#



#14

2,4,6-Tribromophenol

Concen: 0.86 ng

RT: 15.90 min Scan# 939

Delta R.T. -0.01 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

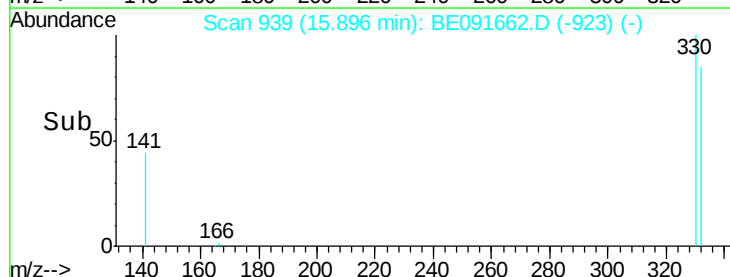
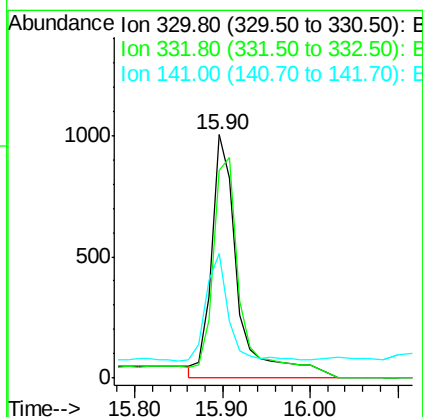
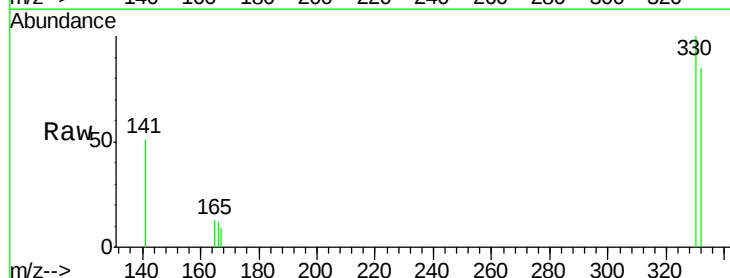
Tgt Ion:330 Resp: 2348

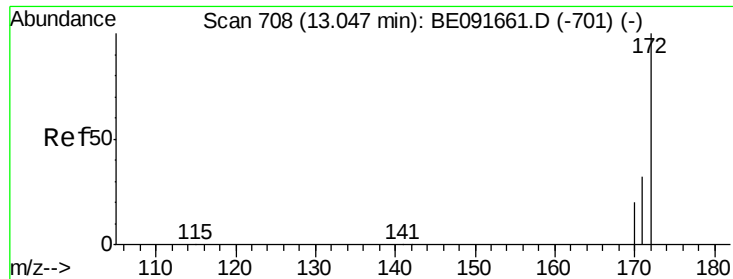
Ion Ratio Lower Upper

330 100

332 96.8 79.1 118.7

141 33.0 125.4 188.0#

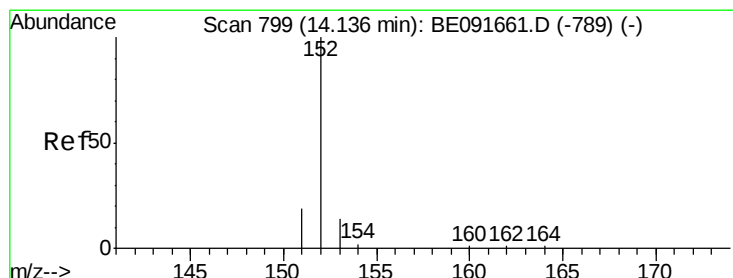
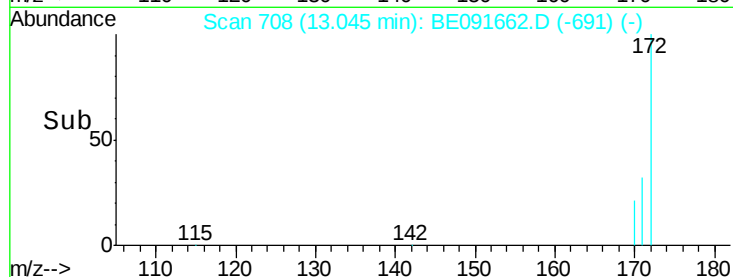
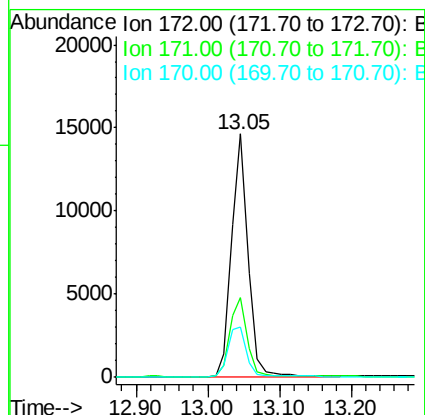
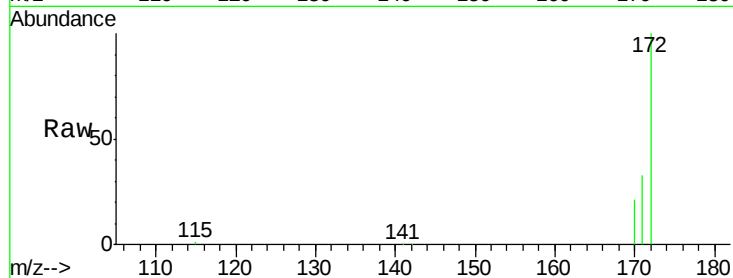




#15
2-Fluorobiphenyl
Concen: 0.84 ng
RT: 13.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE091662.D
Acq: 18 Apr 2016 13:14

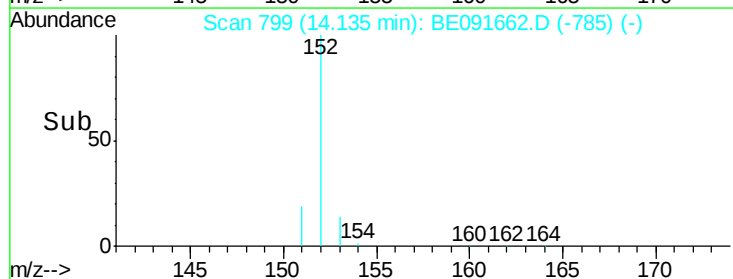
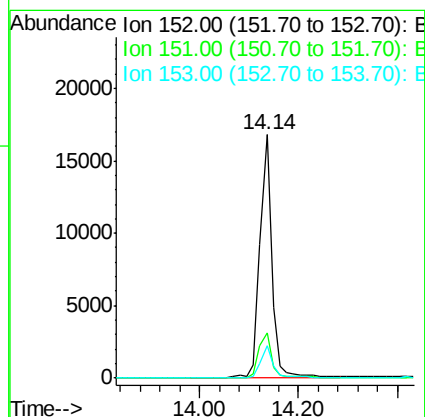
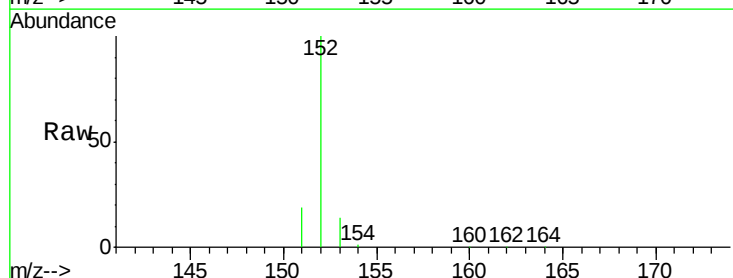
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

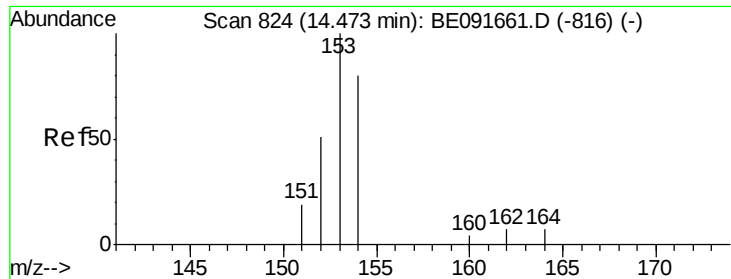
Tot Ion:172 Resp: 23264
Ion Ratio Lower Upper
172 100
171 32.7 28.8 43.2
170 20.8 19.3 28.9



#16
Acenaphthylene
Concen: 0.78 ng
RT: 14.14 min Scan# 799
Delta R.T. -0.00 min
Lab File: BE091662.D
Acq: 18 Apr 2016 13:14

Tgt Ion:152 Resp: 30208
Ion Ratio Lower Upper
152 100
151 21.8 3.9 5.9#
153 15.6 10.3 15.5#

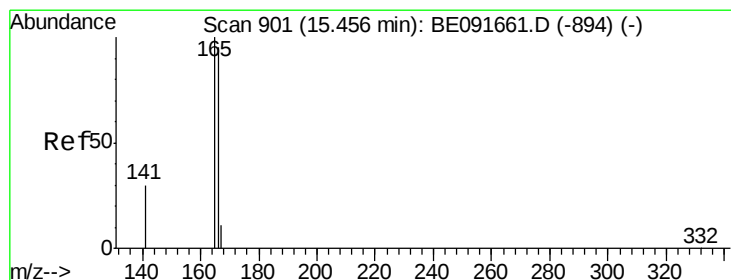
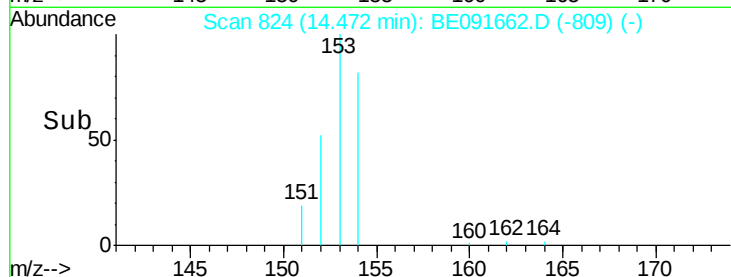
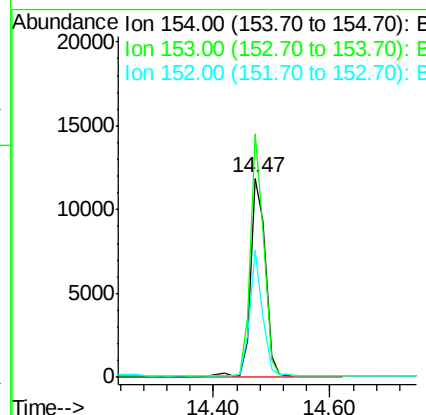
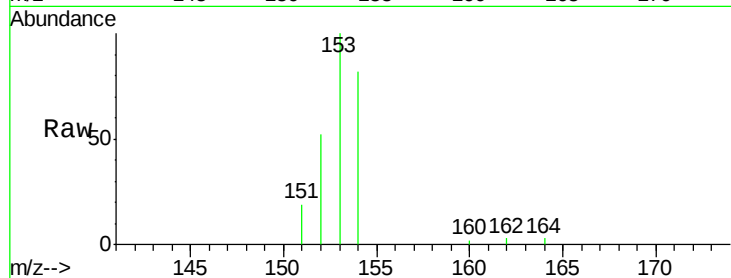




#17
Acenaphthene
Concen: 0.83 ng
RT: 14.47 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE091662.D
Acq: 18 Apr 2016 13:14

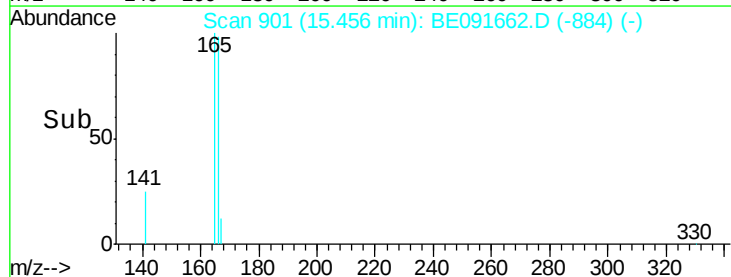
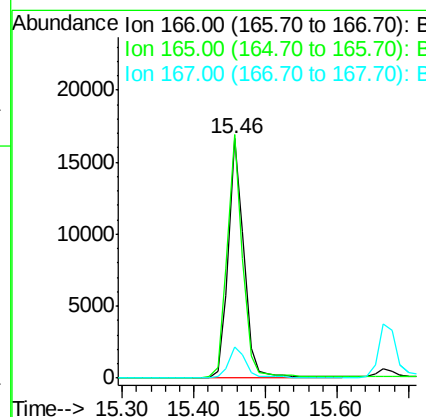
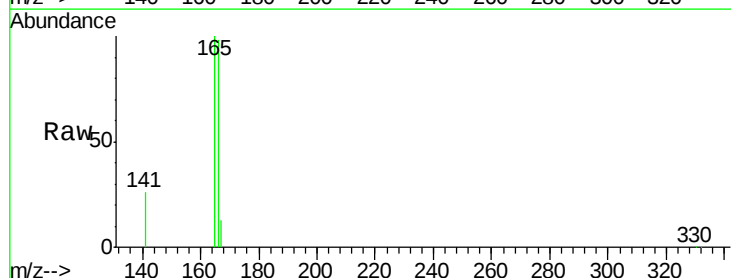
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

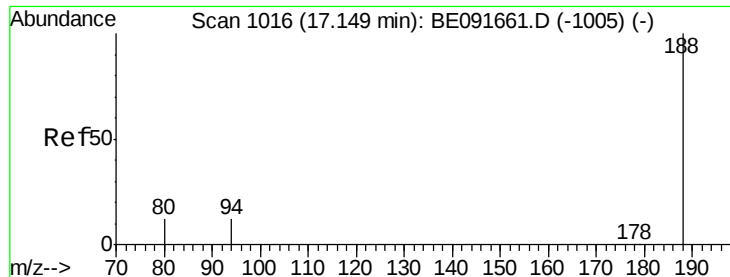
Tot Ion:154 Resp: 20506
Ion Ratio Lower Upper
154 100
153 111.7 80.0 120.0
152 55.8 40.0 60.0



#18
Fluorene
Concen: 0.82 ng
RT: 15.46 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE091662.D
Acq: 18 Apr 2016 13:14

Tgt Ion:166 Resp: 25052
Ion Ratio Lower Upper
166 100
165 100.0 80.8 121.2
167 13.3 10.9 16.3

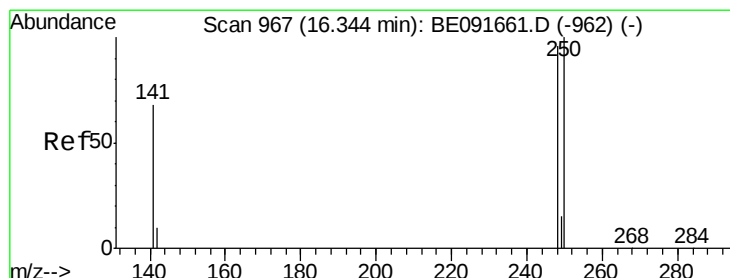
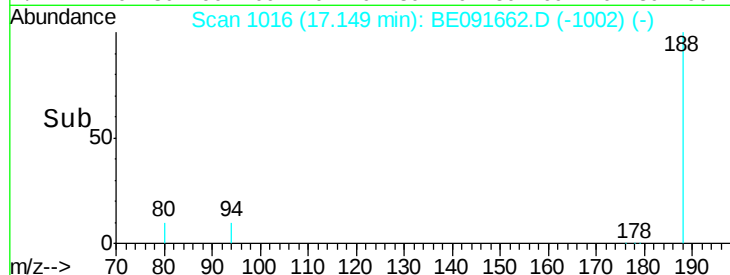
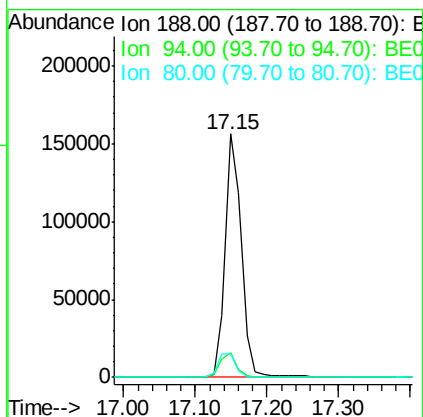
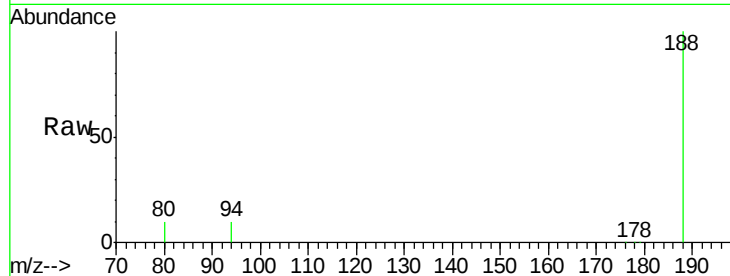




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BE091662.D
Acq: 18 Apr 2016 13:14

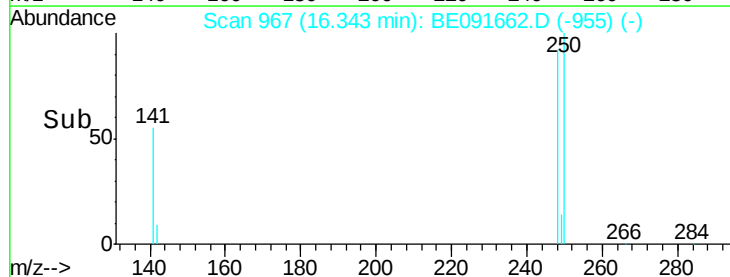
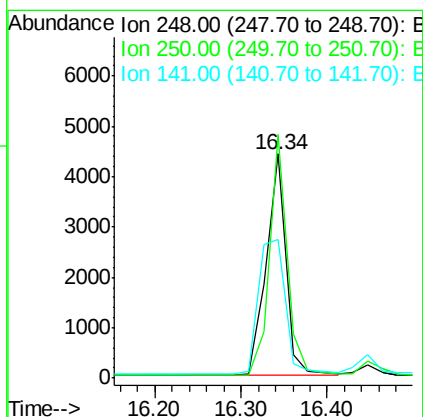
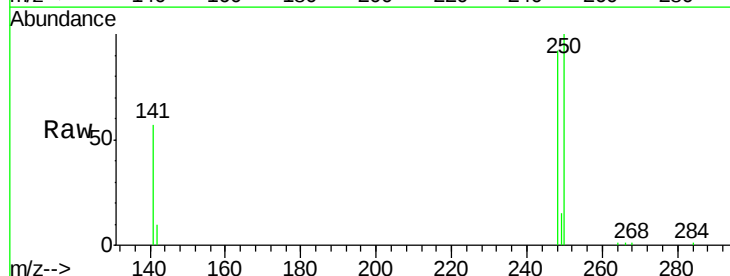
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

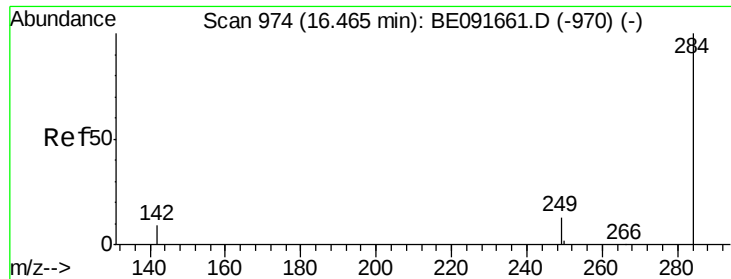
Tot Ion:188 Resp: 246401
Ion Ratio Lower Upper
188 100
94 10.1 8.7 13.1
80 9.9 9.4 14.0



#20
4-Bromophenyl-phenylether
Concen: 0.82 ng
RT: 16.34 min Scan# 967
Delta R.T. -0.00 min
Lab File: BE091662.D
Acq: 18 Apr 2016 13:14

Tgt Ion:248 Resp: 7119
Ion Ratio Lower Upper
248 100
250 97.9 80.5 120.7
141 83.4 72.0 108.0

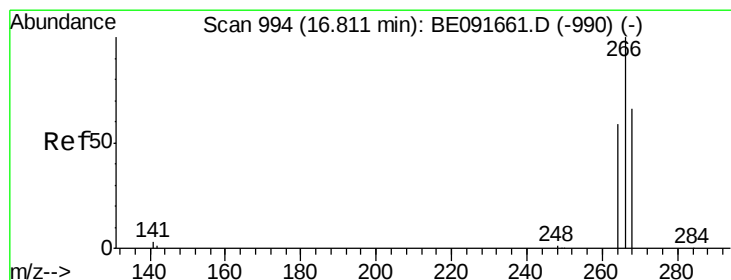
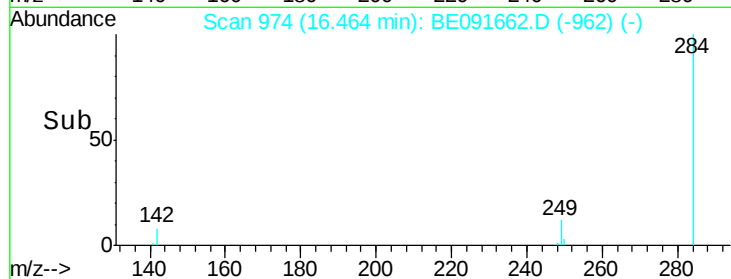
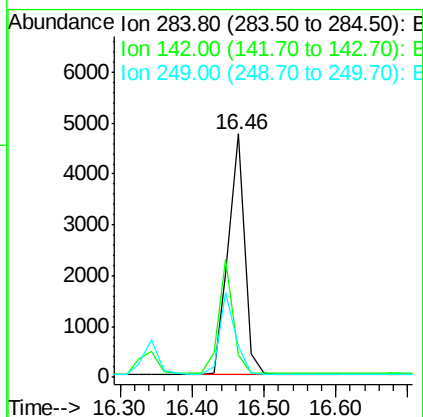
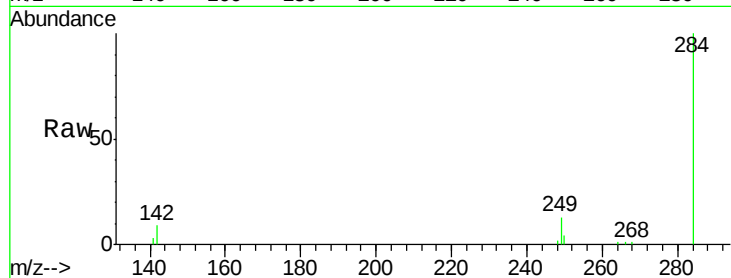




#21
Hexachlorobenzene
Concen: 0.84 ng
RT: 16.46 min Scan# 974
Delta R.T. -0.00 min
Lab File: BE091662.D
Acq: 18 Apr 2016 13:14

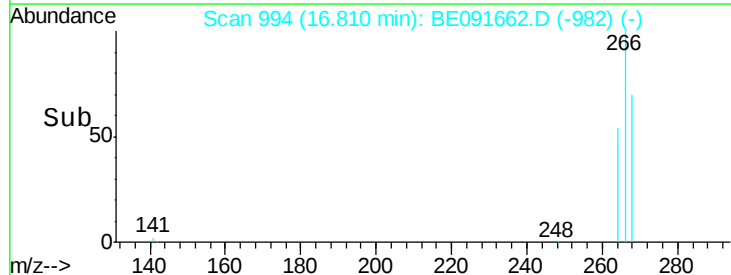
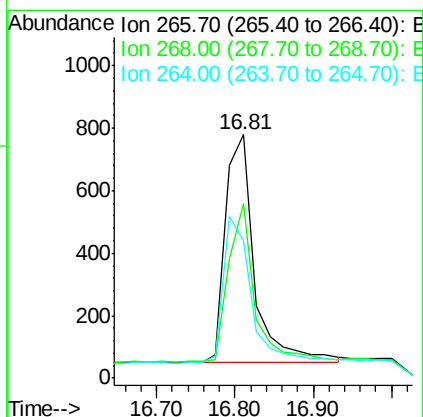
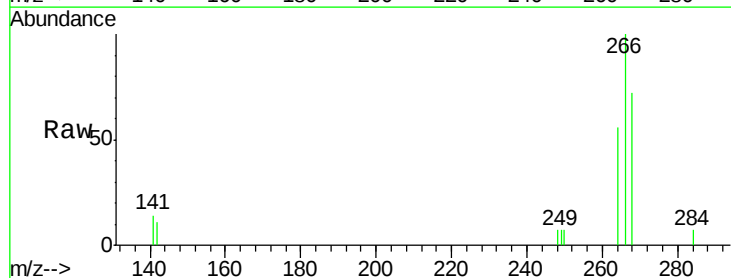
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

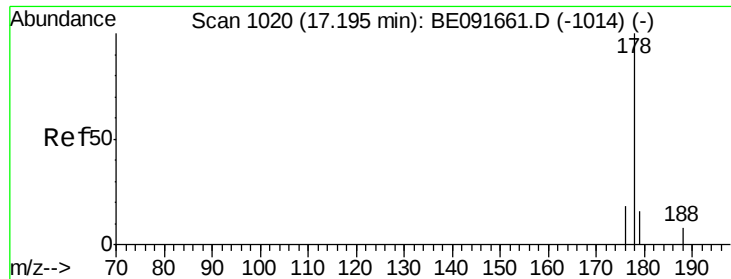
Tot Ion:284 Resp: 7538
Ion Ratio Lower Upper
284 100
142 42.7 32.2 48.2
249 32.8 25.4 38.2



#22
Pentachlorophenol
Concen: 0.61 ng
RT: 16.81 min Scan# 994
Delta R.T. -0.00 min
Lab File: BE091662.D
Acq: 18 Apr 2016 13:14

Tgt Ion:266 Resp: 1864
Ion Ratio Lower Upper
266 100
268 71.8 58.2 87.2
264 56.5 56.2 84.4

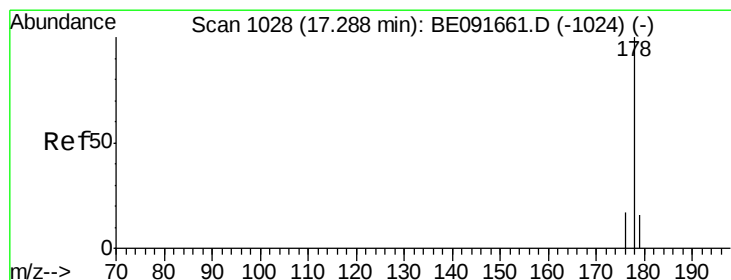
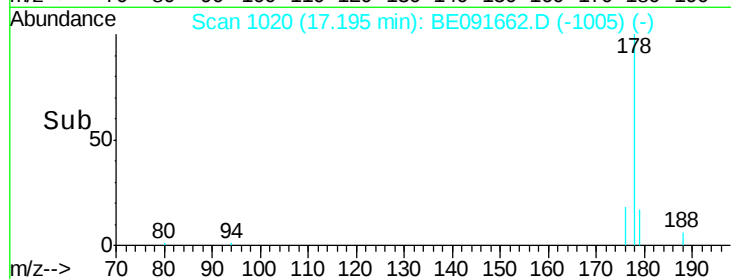
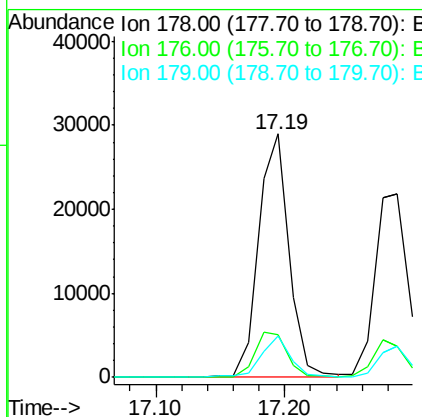
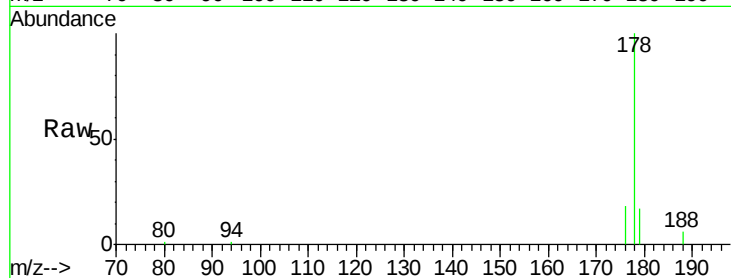




#23
Phenanthrene
Concen: 0.84 ng
RT: 17.19 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BE091662.D
Acq: 18 Apr 2016 13:14

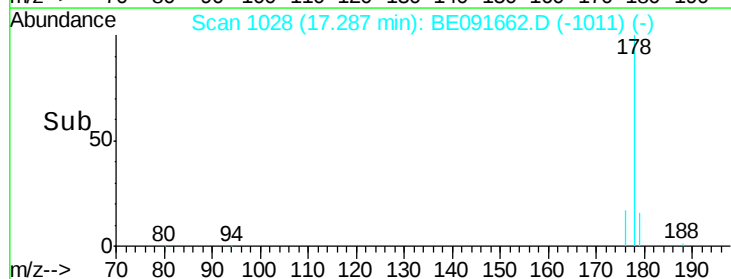
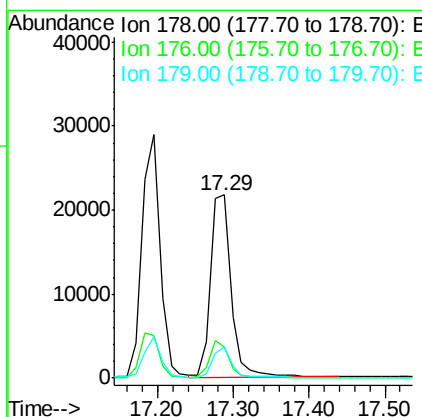
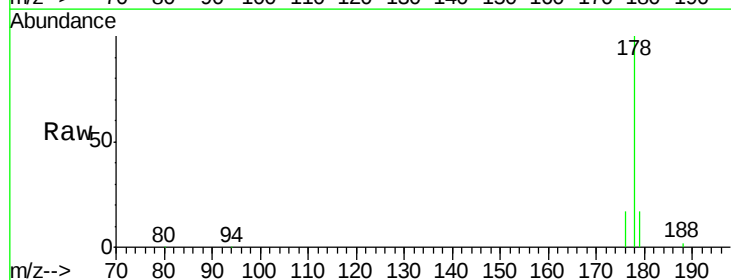
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

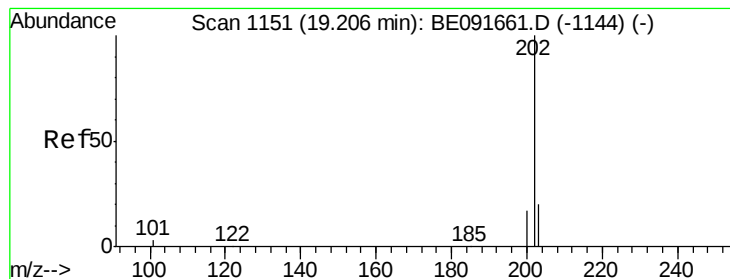
Tot Ion:178 Resp: 47329
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.8 12.6 18.8



#24
Anthracene
Concen: 0.82 ng
RT: 17.29 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE091662.D
Acq: 18 Apr 2016 13:14

Tgt Ion:178 Resp: 40817
Ion Ratio Lower Upper
178 100
176 18.8 14.6 21.8
179 15.2 11.8 17.6





#25

Fluoranthene

Concen: 0.75 ng

RT: 19.21 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

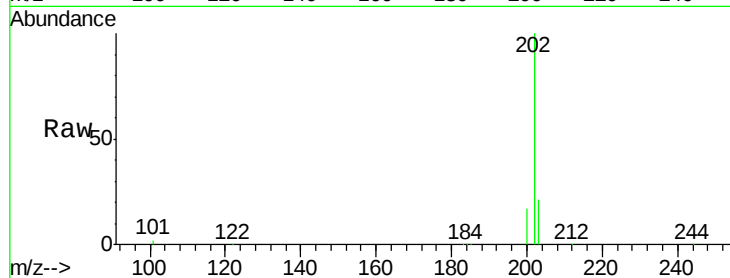
Tot Ion:202 Resp: 44601

Ion Ratio Lower Upper

202 100

101 12.0 11.0 16.6

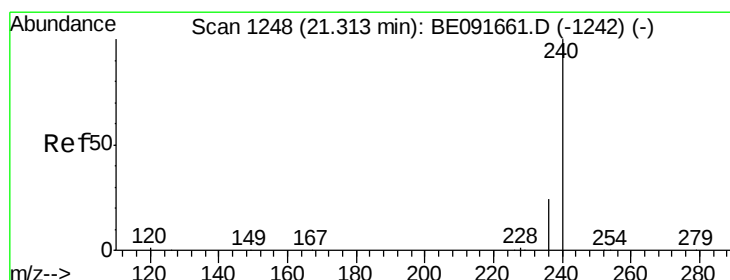
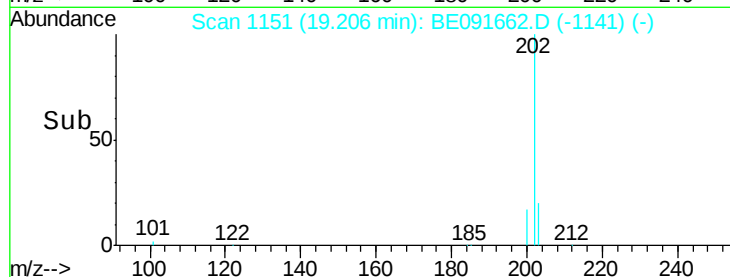
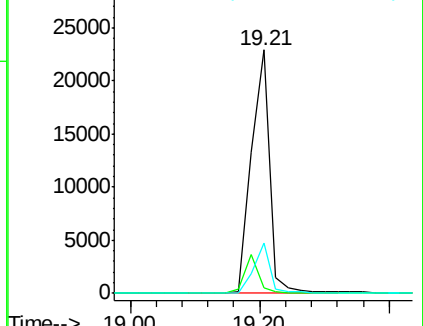
203 18.0 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1248

Delta R.T. -0.00 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

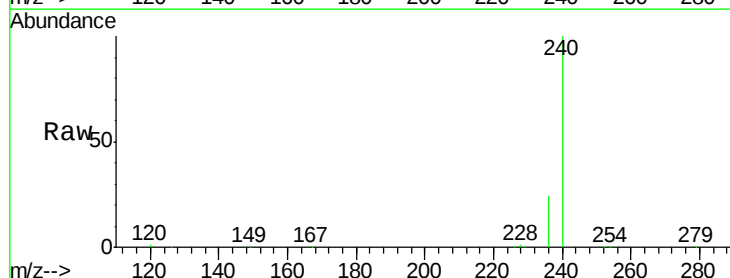
Tgt Ion:240 Resp: 289618

Ion Ratio Lower Upper

240 100

120 1.4 11.0 16.4#

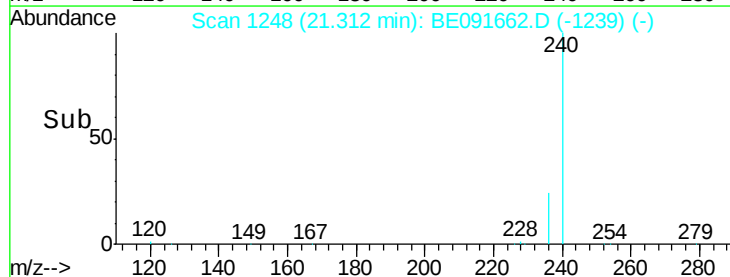
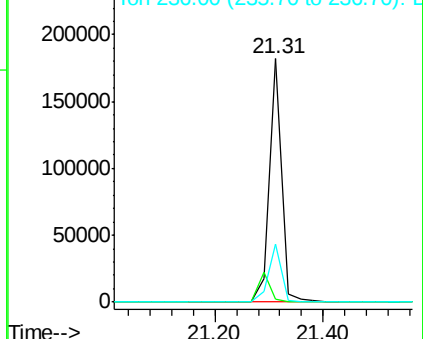
236 23.6 21.7 32.5

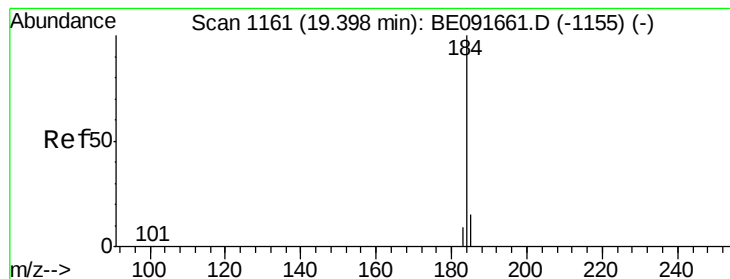


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.66 ng

RT: 19.38 min Scan# 1160

Delta R.T. -0.02 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

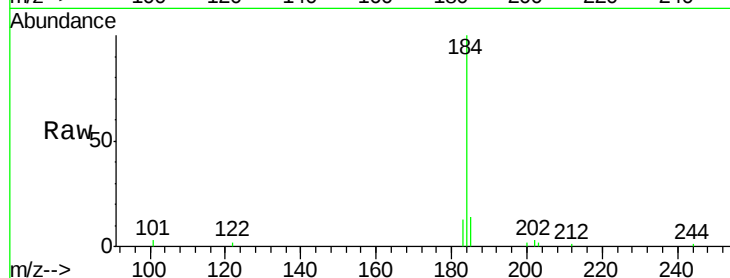
Tot Ion:184 Resp: 9912

Ion Ratio Lower Upper

184 100

185 13.5 22.3 33.5#

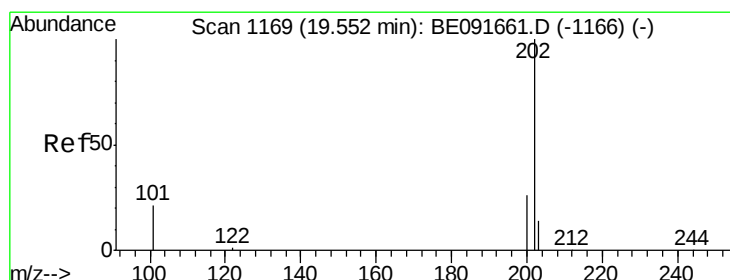
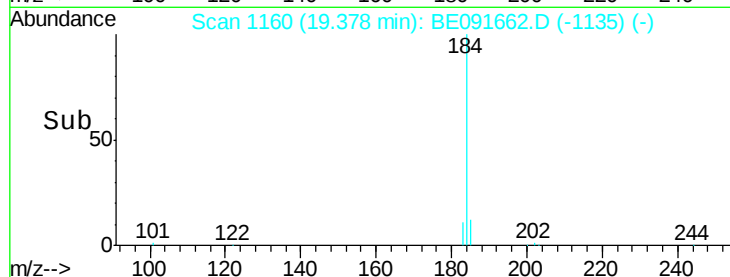
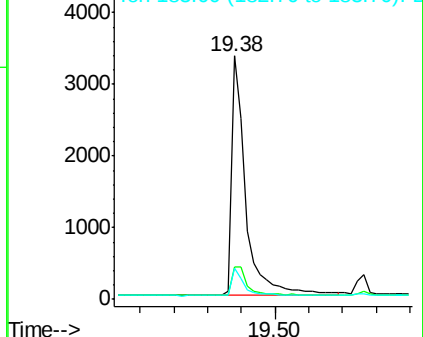
183 12.7 16.4 24.6#



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: 0.83 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

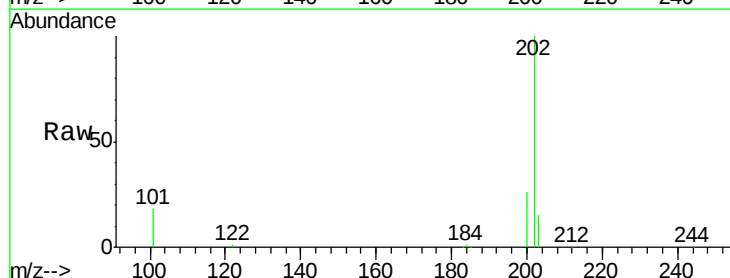
Tgt Ion:202 Resp: 47787

Ion Ratio Lower Upper

202 100

200 21.8 16.8 25.2

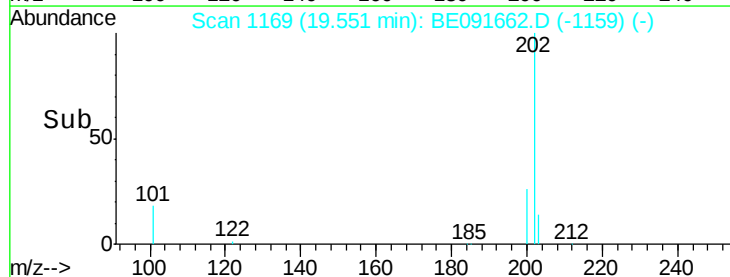
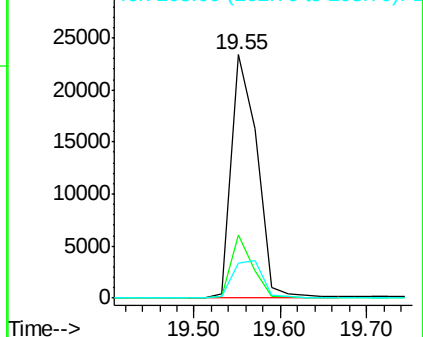
203 17.5 14.0 21.0

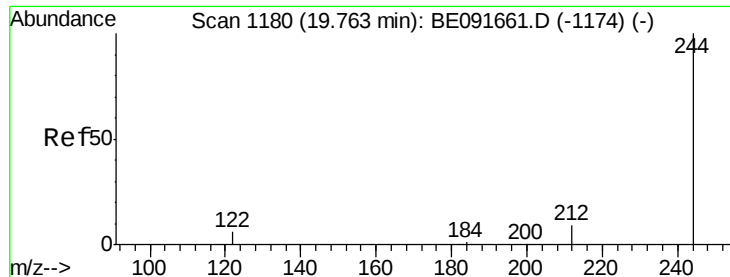


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.97 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

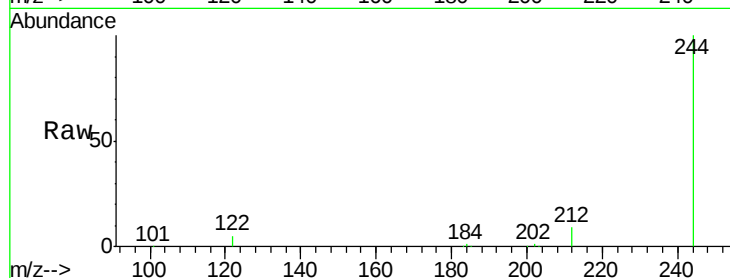
Tot Ion:244 Resp: 35124

Ion Ratio Lower Upper

244 100

212 8.8 6.9 10.3

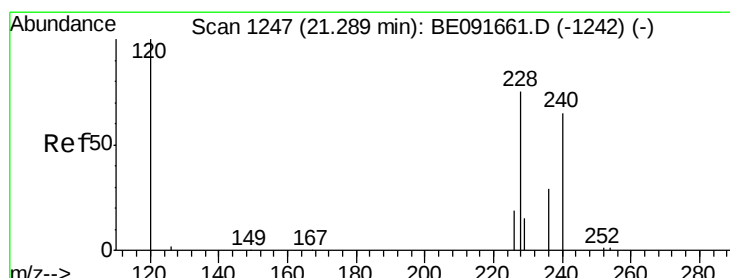
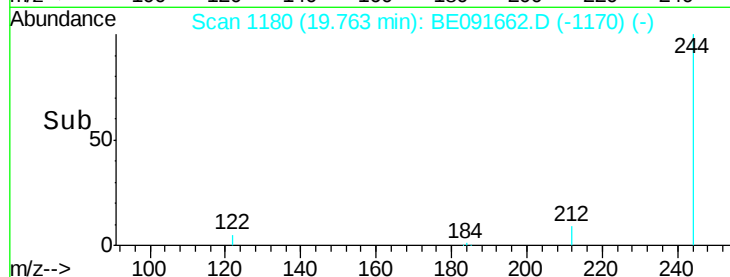
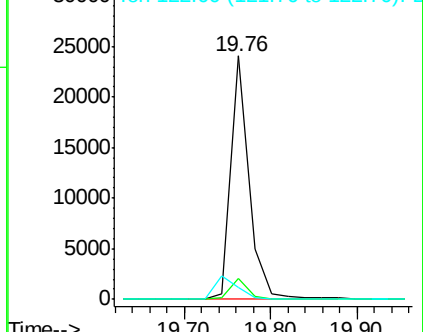
122 5.2 11.0 16.4#



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: 1.75 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

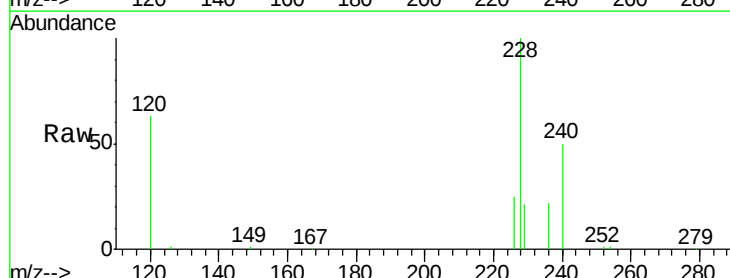
Tgt Ion:228 Resp: 113134

Ion Ratio Lower Upper

228 100

226 24.6 21.0 31.4

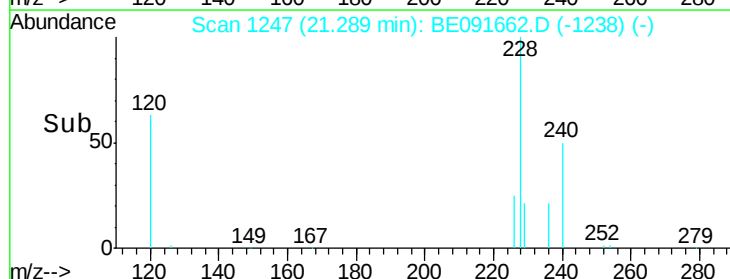
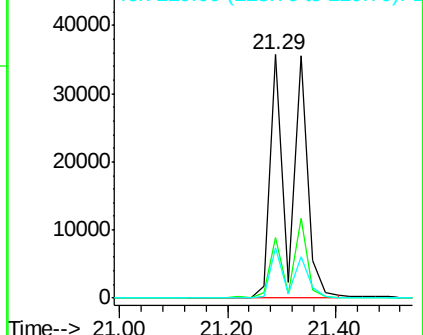
229 20.7 15.7 23.5

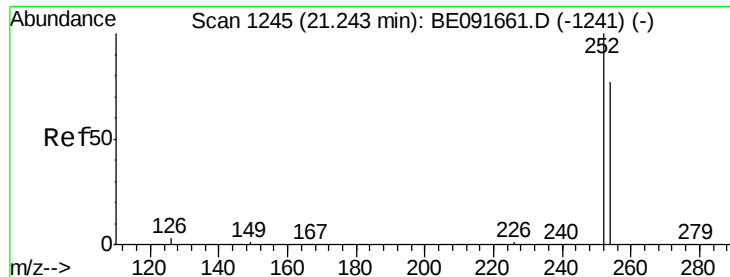


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

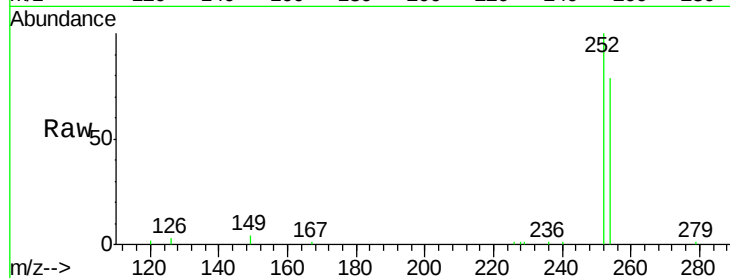




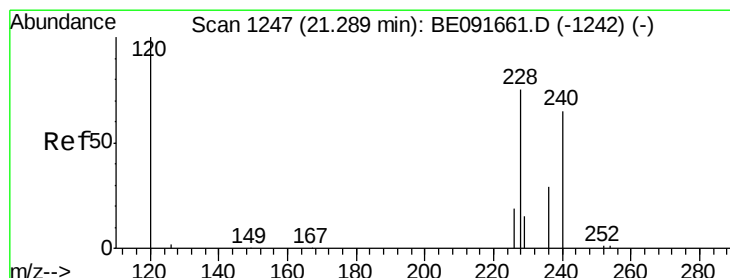
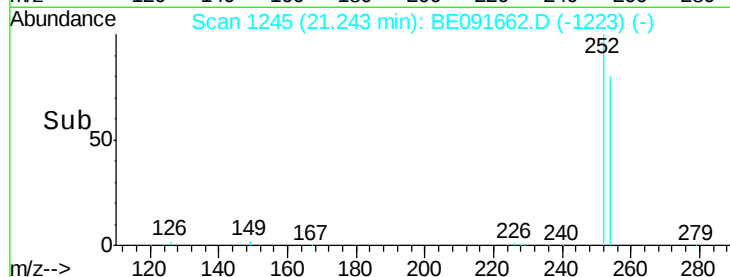
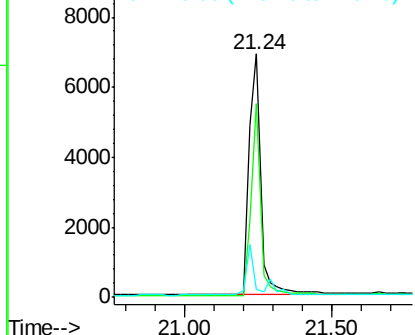
#31
 3,3'-Dichlorobenzidine
 Concen: 0.55 ng
 RT: 21.24 min Scan# 1245
 Delta R.T. -0.00 min
 Lab File: BE091662.D
 Acq: 18 Apr 2016 13:14

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tot Ion:252 Resp: 19193
 Ion Ratio Lower Upper
 252 100
 254 79.5 51.1 76.7#
 126 3.4 12.6 18.8#

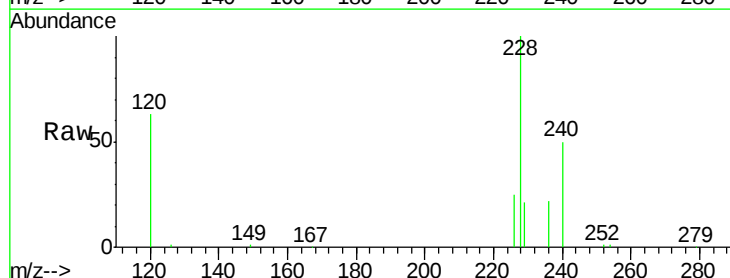


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

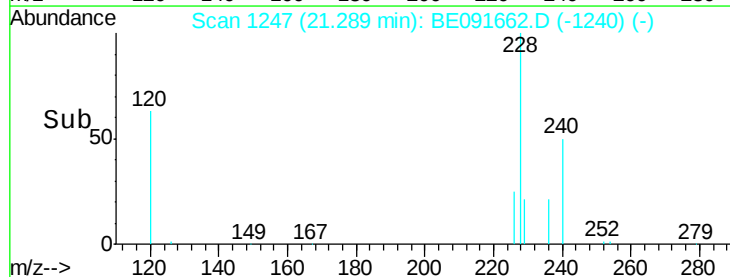
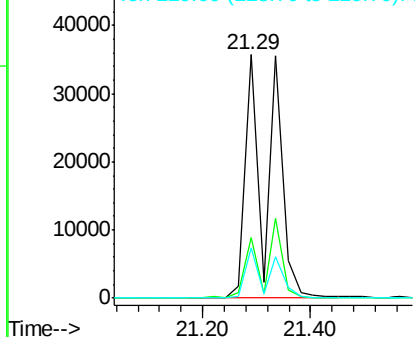


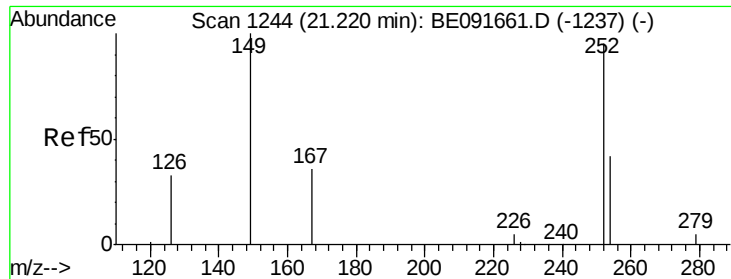
#32
 Chrysene
 Concen: 1.93 ng
 RT: 21.29 min Scan# 1247
 Delta R.T. -0.05 min
 Lab File: BE091662.D
 Acq: 18 Apr 2016 13:14

Tgt Ion:228 Resp: 113712
 Ion Ratio Lower Upper
 228 100
 226 24.6 24.0 36.0
 229 20.7 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

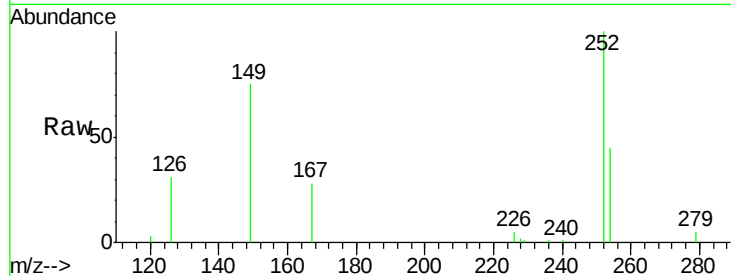




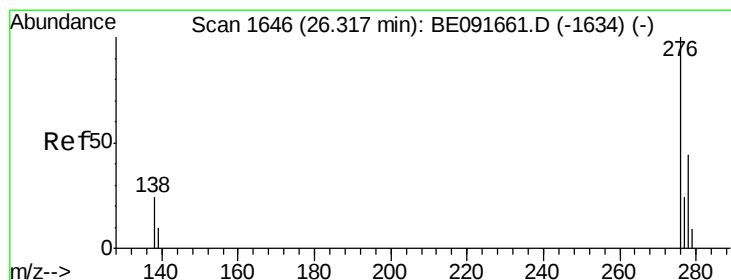
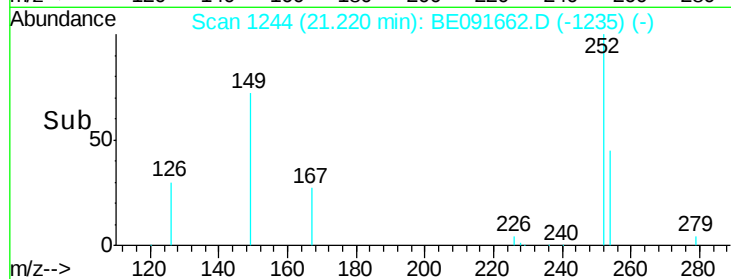
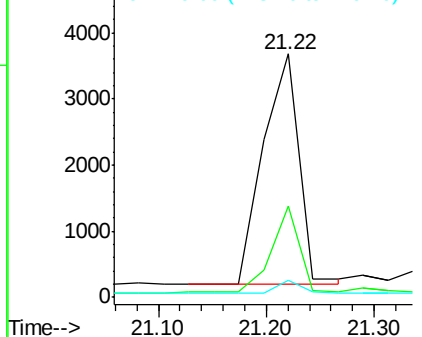
#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.42 ng
 RT: 21.22 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: BE091662.D
 Acq: 18 Apr 2016 13:14

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tot Ion:149 Resp: 8090
 Ion Ratio Lower Upper
 149 100
 167 29.3 19.5 29.3#
 279 4.3 10.0 15.0#

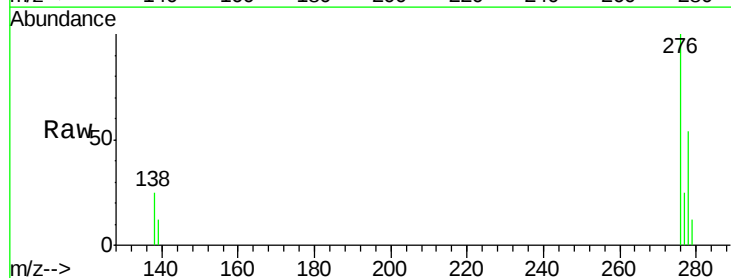


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

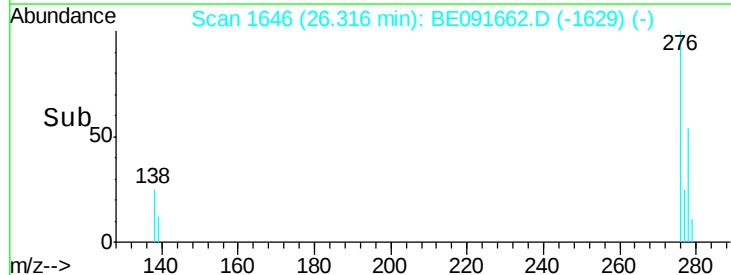
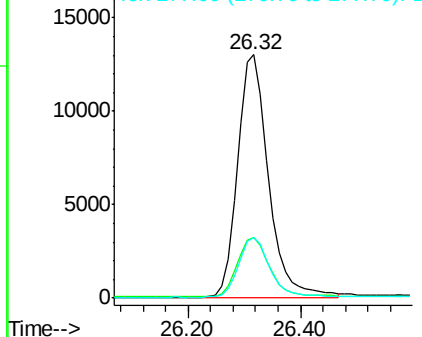


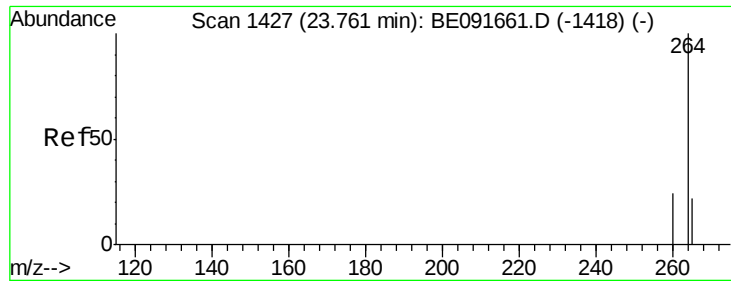
#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.76 ng
 RT: 26.32 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: BE091662.D
 Acq: 18 Apr 2016 13:14

Tgt Ion:276 Resp: 49958
 Ion Ratio Lower Upper
 276 100
 138 26.0 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

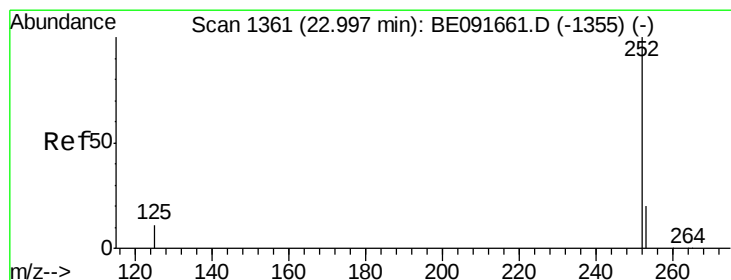
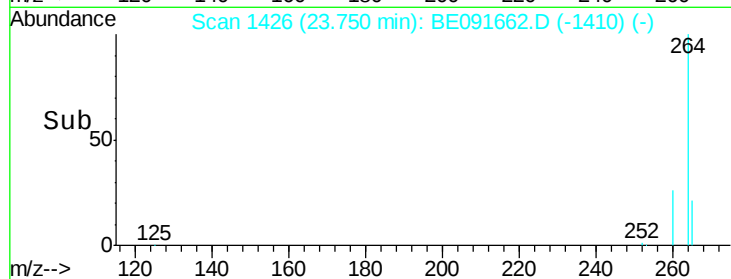
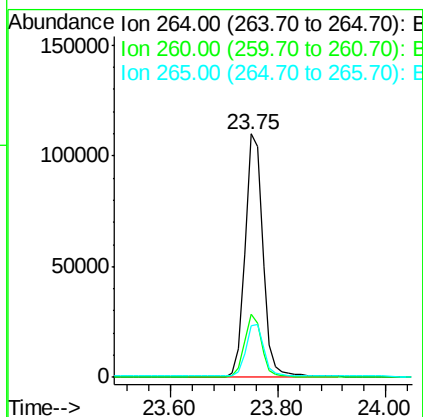
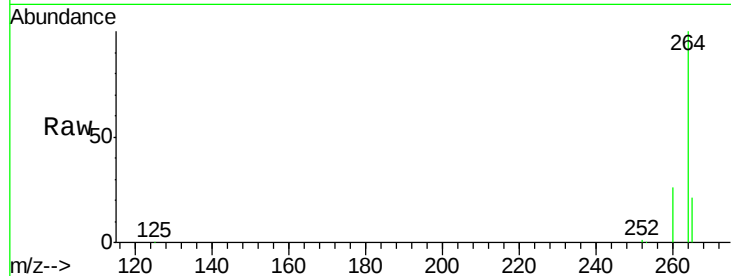




#35
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.75 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BE091662.D
 Acq: 18 Apr 2016 13:14

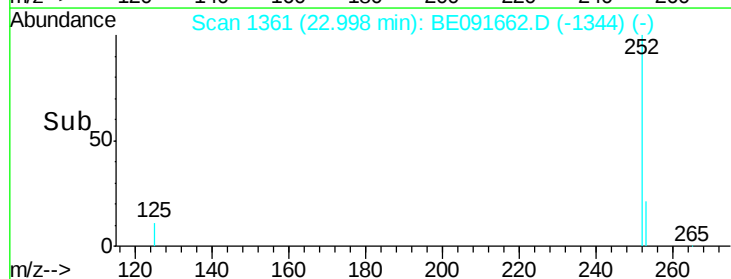
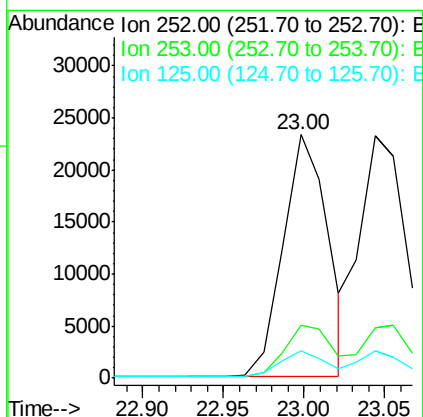
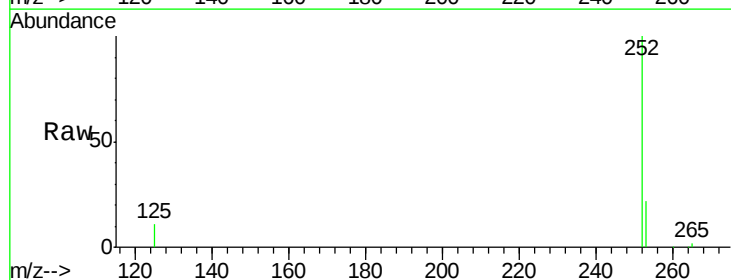
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

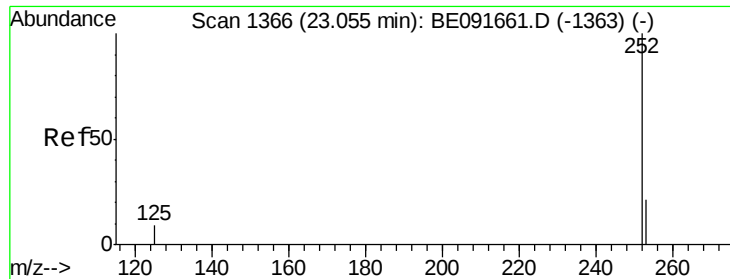
Tot Ion:264 Resp: 252760
 Ion Ratio Lower Upper
 264 100
 260 26.1 20.0 30.0
 265 21.0 17.5 26.3



#36
 Benzo(b)fluoranthene
 Concen: 0.77 ng
 RT: 23.00 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: BE091662.D
 Acq: 18 Apr 2016 13:14

Tgt Ion:252 Resp: 45050
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.4 26.0
 125 11.4 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 0.83 ng

RT: 23.04 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

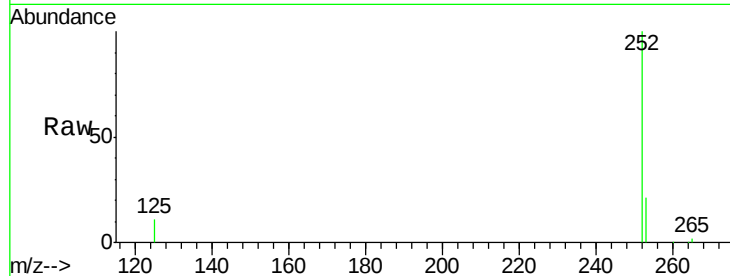
Tot Ion:252 Resp: 47850

Ion Ratio Lower Upper

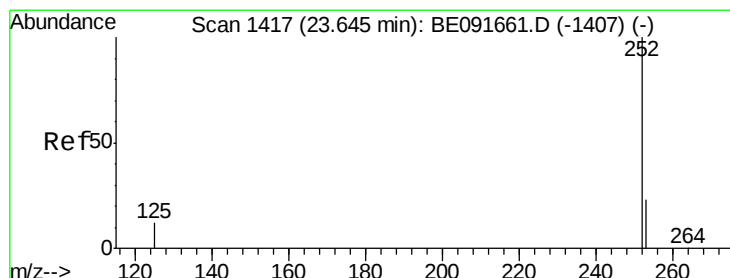
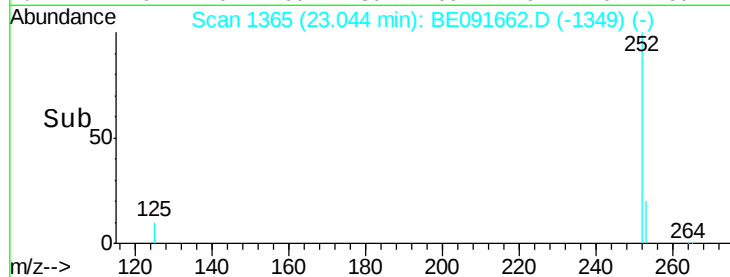
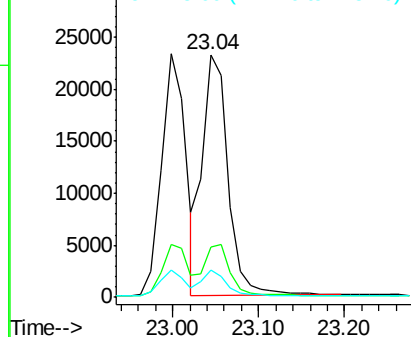
252 100

253 20.9 17.6 26.4

125 11.0 9.9 14.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Benzo(a)pyrene

Concen: 0.76 ng

RT: 23.65 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

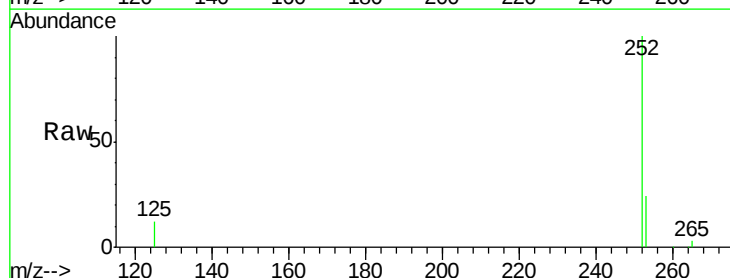
Tgt Ion:252 Resp: 41222

Ion Ratio Lower Upper

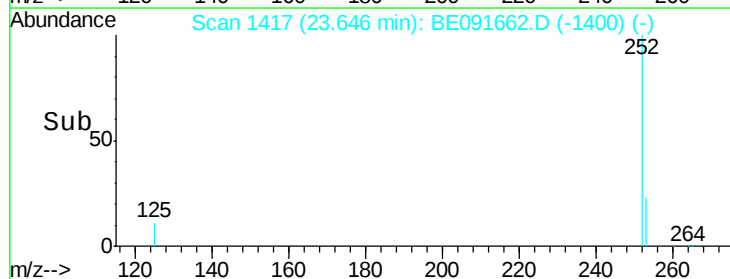
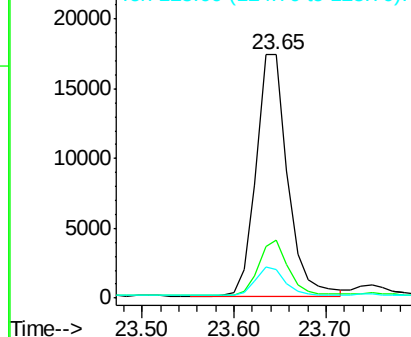
252 100

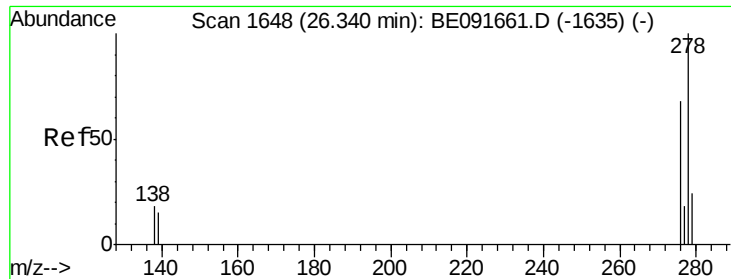
253 23.6 18.1 27.1

125 11.9 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 0.77 ng

RT: 26.34 min Scan# 1648

Delta R.T. -0.00 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

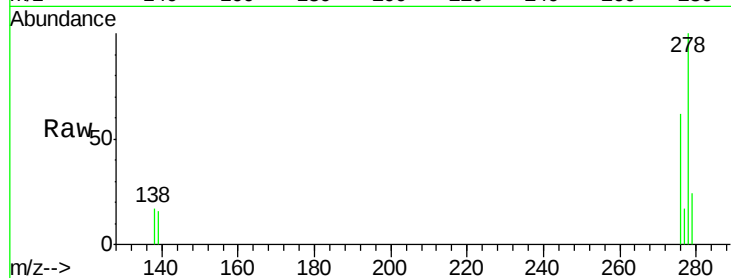
Tot Ion:278 Resp: 41079

Ion Ratio Lower Upper

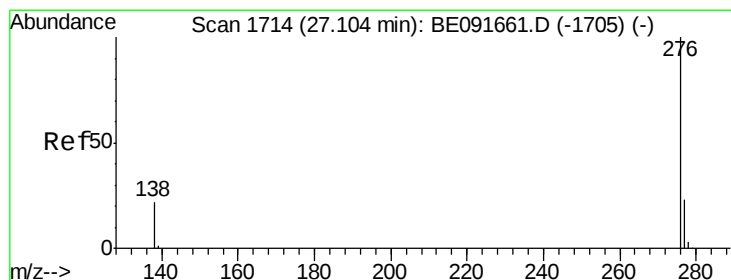
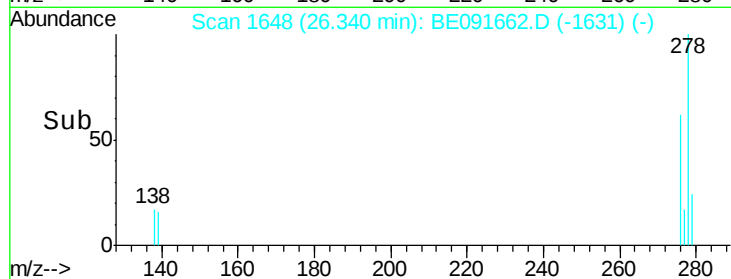
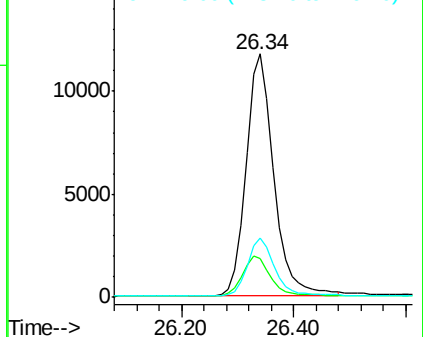
278 100

139 16.0 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: 0.77 ng

RT: 27.10 min Scan# 1714

Delta R.T. -0.00 min

Lab File: BE091662.D

Acq: 18 Apr 2016 13:14

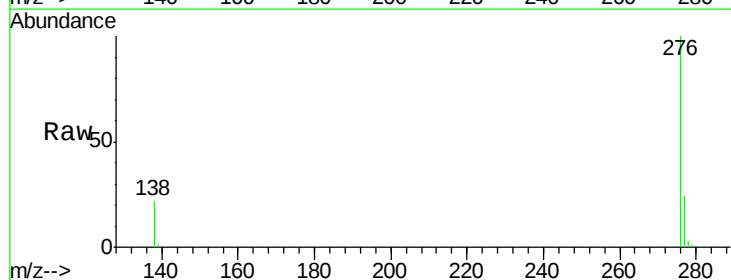
Tgt Ion:276 Resp: 42651

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 21.8 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

