

Data Path : Z:\HPCHEM1\BNA E\DATA\BE043018\
 Data File : BE096213.D
 Acq On : 30 Apr 2018 9:58
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 30 14:27:35 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 14:27:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	634	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	2419	0.40	ng	0.00
13) Acenaphthene-d10	14.94	164	1308	0.40	ng	0.00
19) Phenanthrene-d10	17.65	188	3229	0.40	ng	0.00
27) Chrysene-d12	21.74	240	3546	0.40	ng	0.00
34) Perylene-d12	24.35	264	3289	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.86	112	750	0.38	ng	0.00
5) Phenol-d6	7.51	99	1029	0.38	ng	0.00
8) Nitrobenzene-d5	9.54	82	1106	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.74	152	1403	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	225	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.57	172	2164	0.39	ng	0.00
25) Fluoranthene-d10	19.64	212	16491	0.38	ng	0.00
29) Terphenyl-d14	20.19	244	2983	0.38	ng	0.00

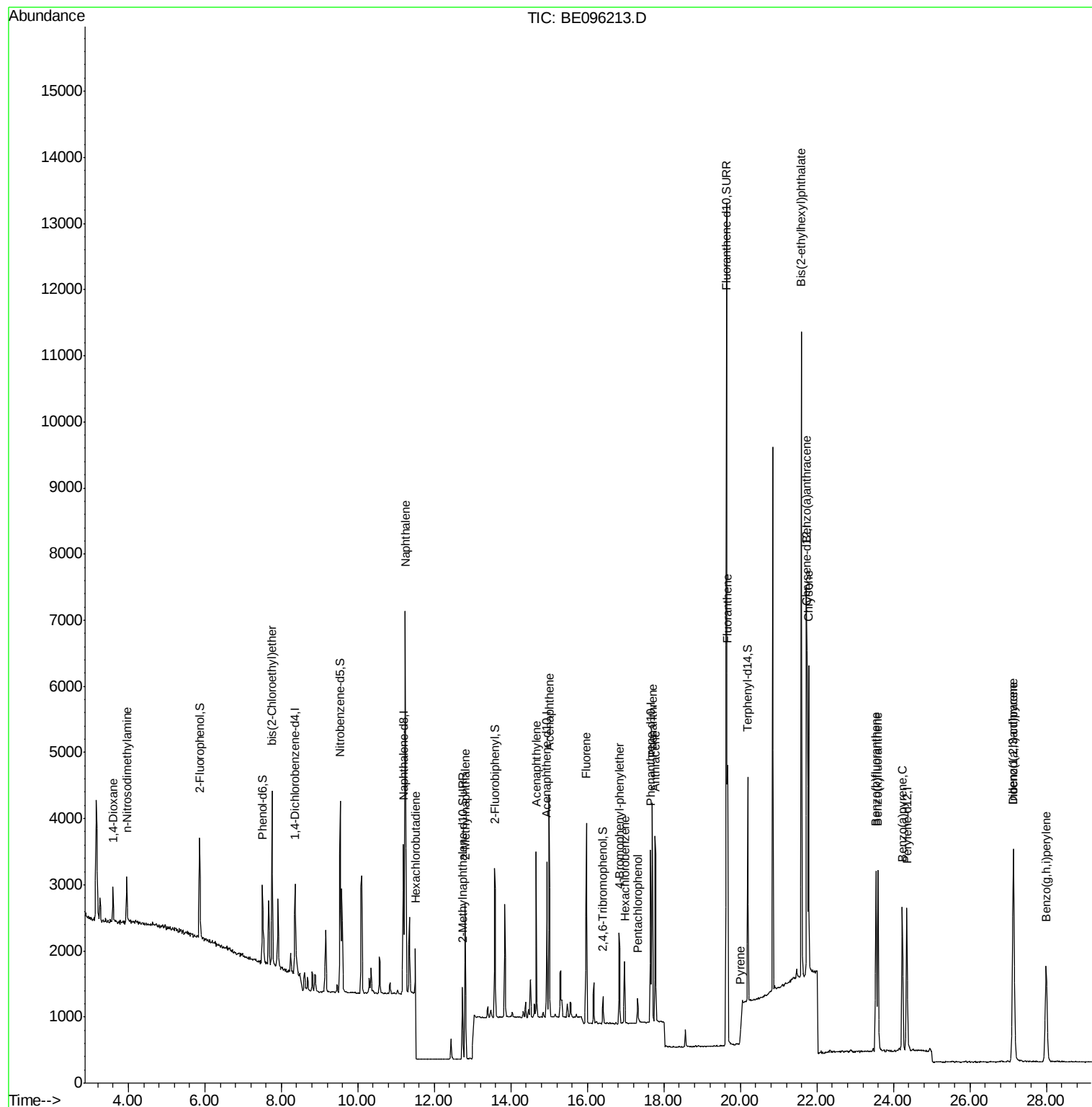
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.60	88	377	0.385	ng	93
3) n-Nitrosodimethylamine	3.96	42	525	0.438	ng	# 72
6) bis(2-Chloroethyl)ether	7.76	93	923	0.388	ng	96
9) Naphthalene	11.24	128	9527	0.374	ng	99
10) Hexachlorobutadiene	11.50	225	280	0.248	ng	91
12) 2-Methylnaphthalene	12.81	142	1572	0.372	ng	94
16) Acenaphthylene	14.67	152	2671	0.382	ng	99
17) Acenaphthene	15.00	154	1568	0.374	ng	93
18) Fluorene	15.97	166	1963	0.378	ng	# 76
20) 4-Bromophenyl-phenylether	16.83	248	708	0.369	ng	# 67
21) Hexachlorobenzene	16.97	284	751	0.393	ng	# 78
22) Pentachlorophenol	17.31	266	209	0.373	ng	85
23) Phenanthrene	17.69	178	3502	0.386	ng	99
24) Anthracene	17.78	178	3279	0.378	ng	# 95
26) Fluoranthene	19.66	202	4611	0.387	ng	98
28) Pyrene	20.00	202	166	0.024	ng	# 72
30) Benzo(a)anthracene	21.73	228	4394	0.386	ng	98
31) Chrysene	21.79	228	4388	0.400	ng	98
32) Bis(2-ethylhexyl)phthalate	21.60	149	11494	0.392	ng	100
33) Indeno(1,2,3-cd)pyrene	27.13	276	4246	0.399	ng	96
35) Benzo(b)fluoranthene	23.54	252	3966	0.402	ng	# 94
36) Benzo(k)fluoranthene	23.60	252	3928	0.387	ng	# 91
37) Benzo(a)pyrene	24.23	252	3700	0.390	ng	# 92
38) Dibenzo(a,h)anthracene	27.14	278	3460	0.414	ng	97
39) Benzo(g,h,i)perylene	27.99	276	3524	0.398	ng	# 92

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

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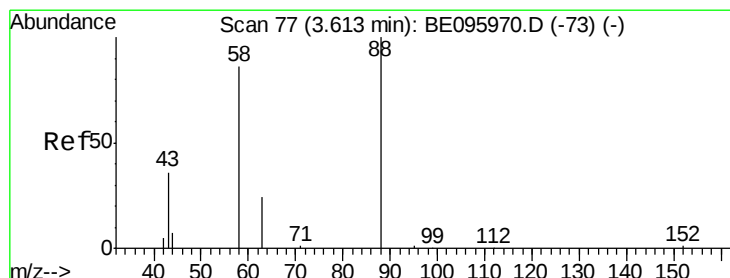
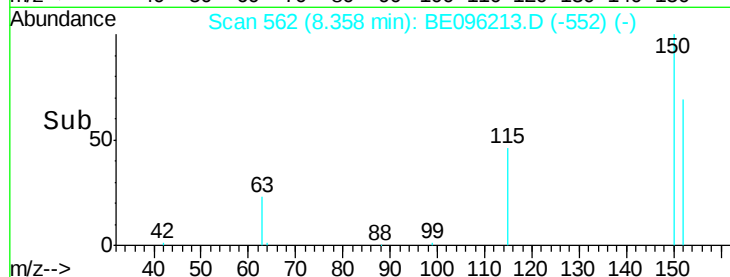
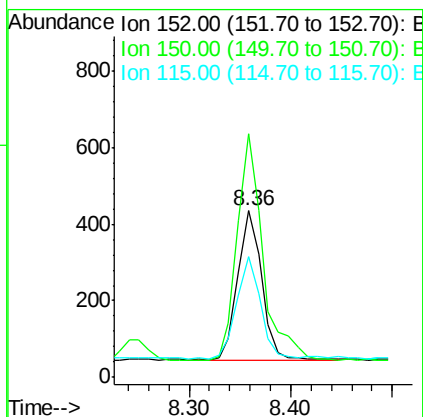
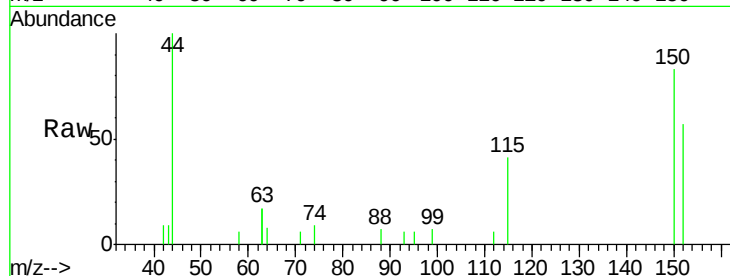


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.36 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: BE096213.D
 Acq: 30 Apr 2018 9:58

Instrument :
 BNA_E
 ClientSampleId :

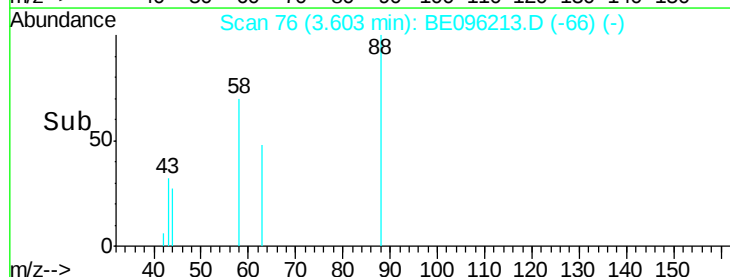
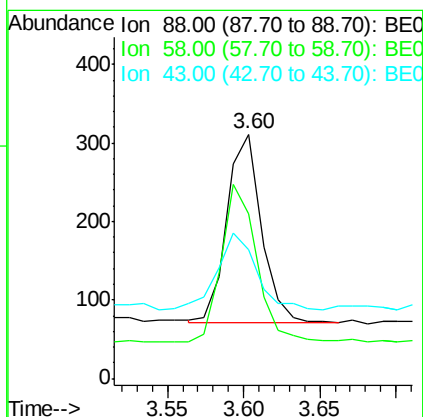
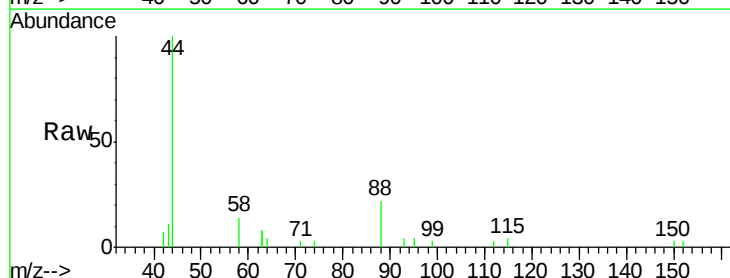
Tot Ion:152 Resp: 634
 Ion Ratio Lower Upper
 152 100
 150 146.2 117.2 175.8
 115 72.2 57.0 85.6



#2

1,4-Dioxane
 Concen: 0.385 ng
 RT: 3.60 min Scan# 76
 Delta R.T. 0.00 min
 Lab File: BE096213.D
 Acq: 30 Apr 2018 9:58

Tgt Ion: 88 Resp: 377
 Ion Ratio Lower Upper
 88 100
 58 83.8 63.2 94.8
 43 45.4 41.2 61.8



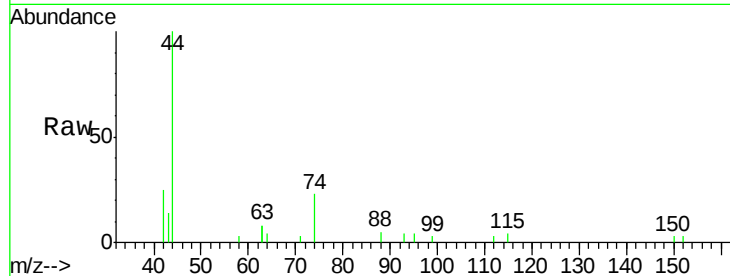


#3

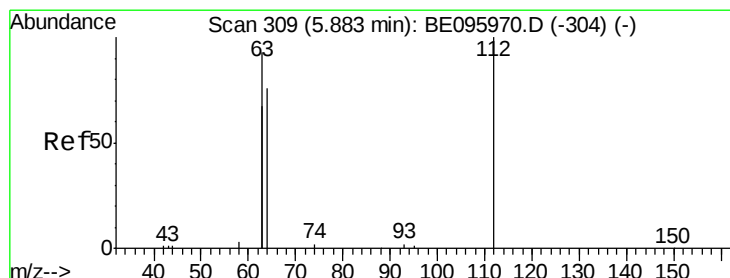
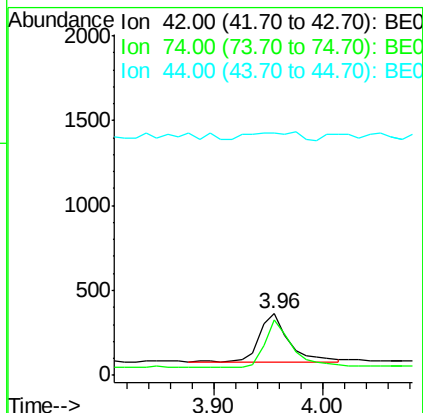
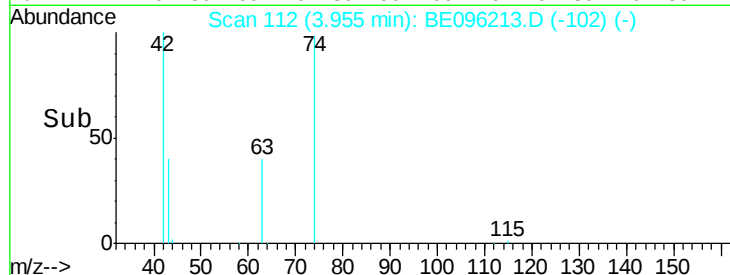
n-Nitrosodimethylamine
 Concen: 0.438 ng
 RT: 3.96 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: BE096213.D
 Acq: 30 Apr 2018 9:58

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 525
 Ion Ratio Lower Upper
 42 100
 74 90.3 96.0 144.0#
 44 31.6 12.0 18.0#



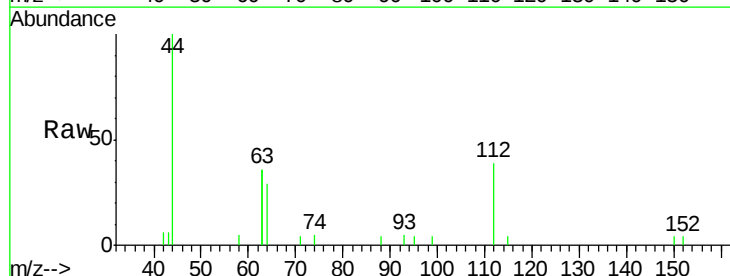
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



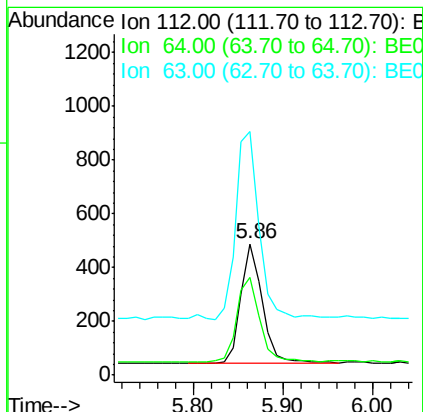
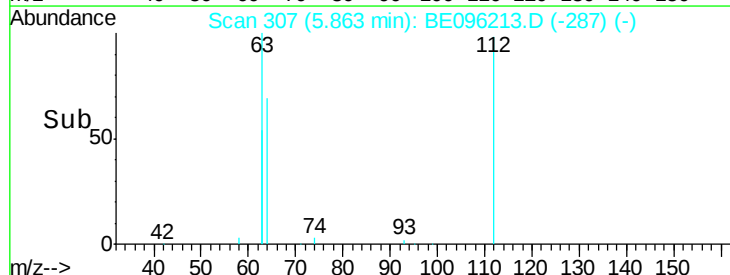
#4

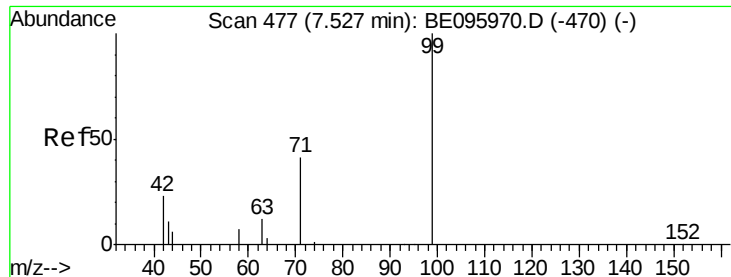
2-Fluorophenol
 Concen: 0.382 ng
 RT: 5.86 min Scan# 307
 Delta R.T. 0.00 min
 Lab File: BE096213.D
 Acq: 30 Apr 2018 9:58

Tgt Ion: 112 Resp: 750
 Ion Ratio Lower Upper
 112 100
 64 74.4 60.1 90.1
 63 170.1 116.8 175.2



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





#5

Phenol-d6

Concen: 0.380 ng

RT: 7.51 min Scan# 475

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

Instrument :

BNA_E

ClientSampleId :

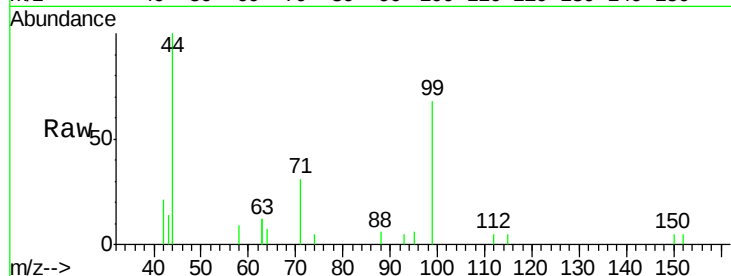
Tot Ion: 99 Resp: 1029

Ion Ratio Lower Upper

99 100

42 28.6 20.2 30.2

71 42.0 28.4 42.6



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

7.51

600

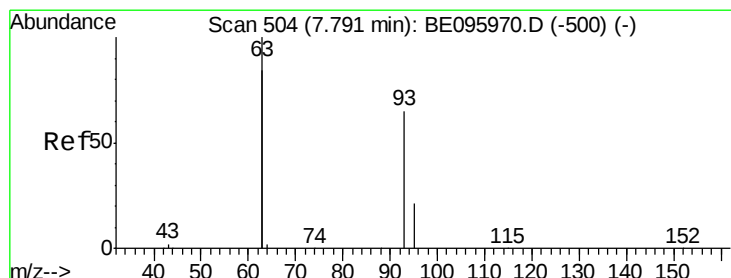
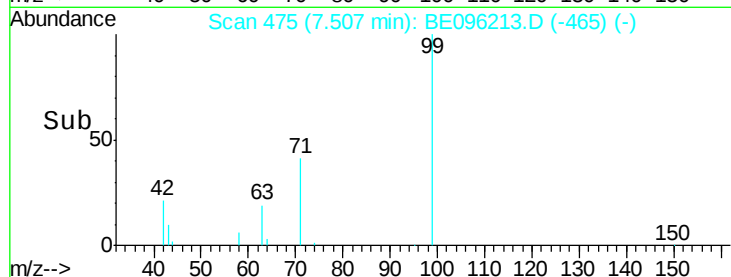
400

200

0

7.40 7.45 7.50 7.55 7.60

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.388 ng

RT: 7.76 min Scan# 501

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

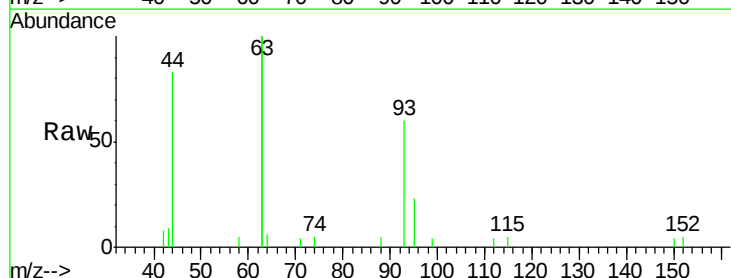
Tgt Ion: 93 Resp: 923

Ion Ratio Lower Upper

93 100

63 335.8 275.3 412.9

95 33.0 25.2 37.8



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

7.76

2500

2000

1500

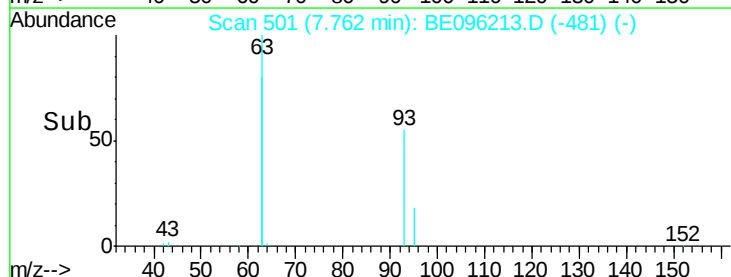
1000

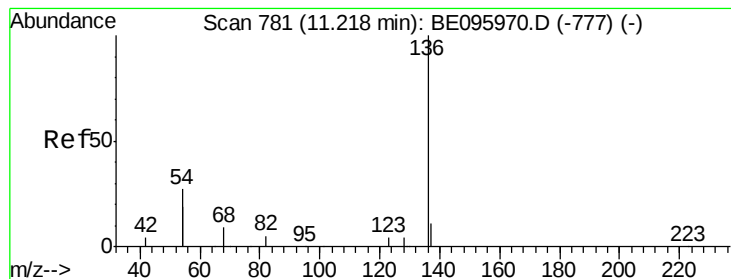
500

0

7.70 7.75 7.80 7.85 7.90

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.19 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2419

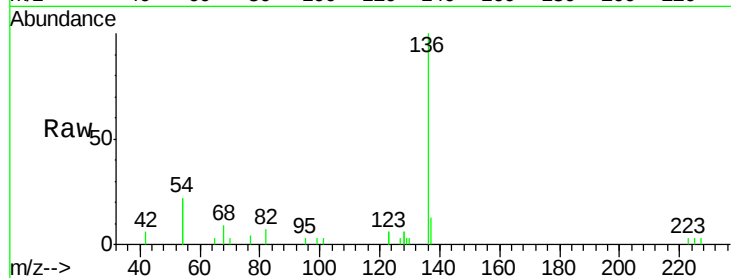
Ion Ratio Lower Upper

136 100

137 12.7 9.5 14.3

54 44.6 29.1 43.7#

68 8.7 6.2 9.2

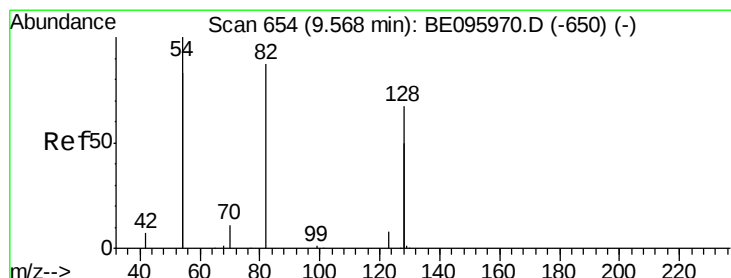
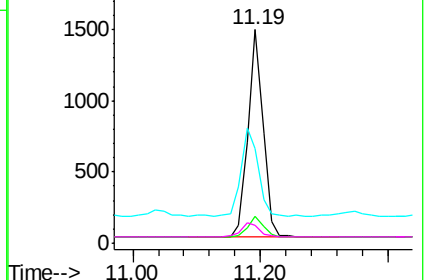
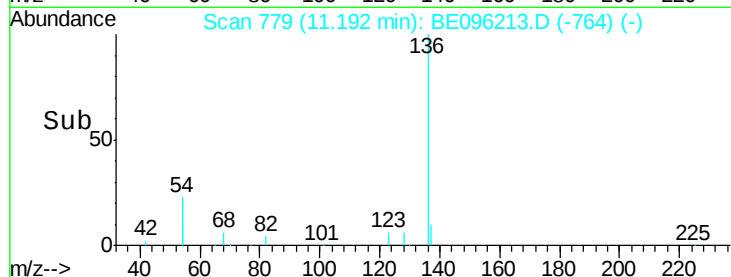


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.390 ng

RT: 9.54 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

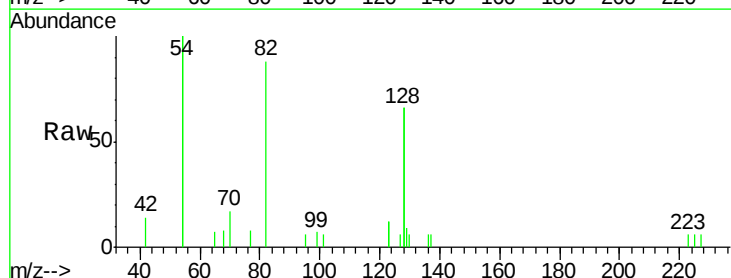
Tgt Ion: 82 Resp: 1106

Ion Ratio Lower Upper

82 100

128 150.6 150.0 225.0

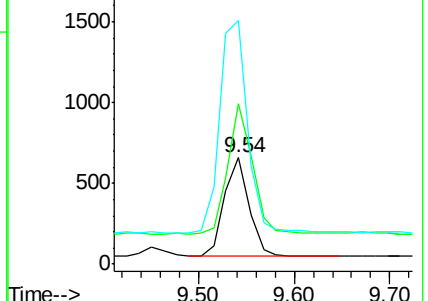
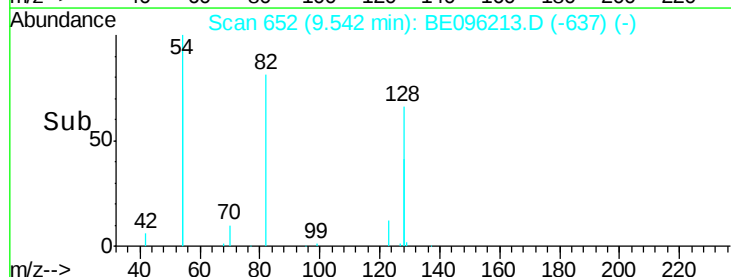
54 228.5 154.2 231.4



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

Naphthalene

Concen: 0.374 ng

RT: 11.24 min Scan# 783

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

Instrument :

BNA_E

ClientSampleId :

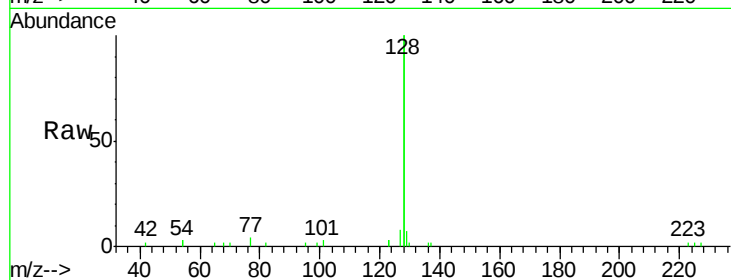
Tot Ion:128 Resp: 9527

Ion Ratio Lower Upper

128 100

129 3.4 2.6 3.8

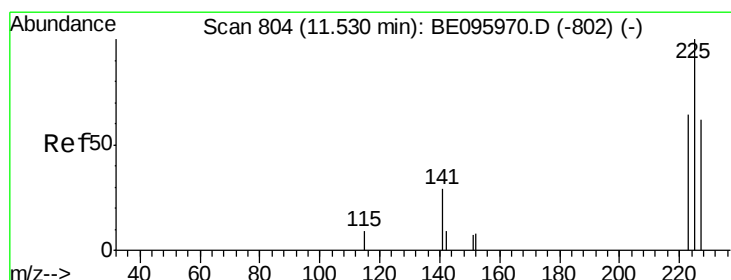
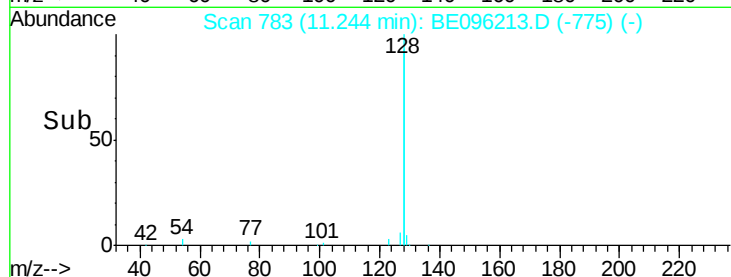
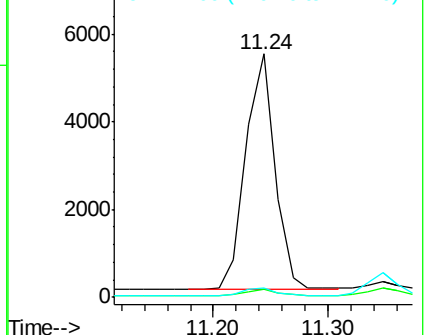
127 3.8 2.8 4.2



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



#10

Hexachlorobutadiene

Concen: 0.248 ng

RT: 11.50 min Scan# 803

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

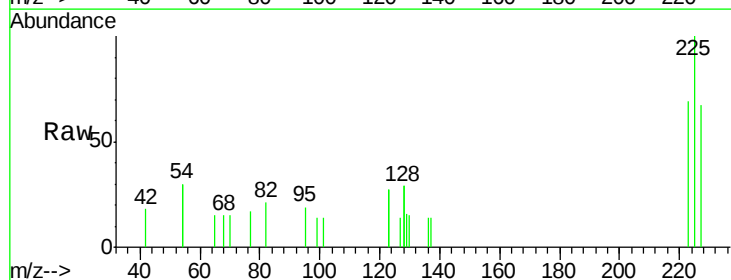
Tgt Ion:225 Resp: 280

Ion Ratio Lower Upper

225 100

223 63.9 53.0 79.6

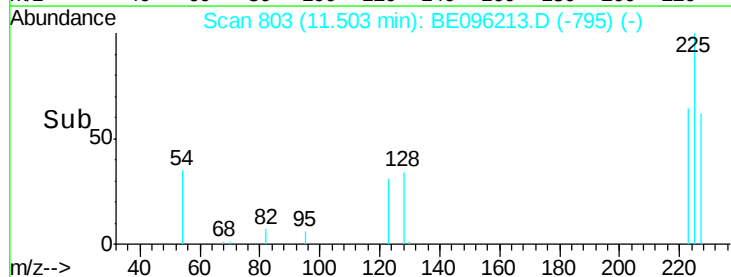
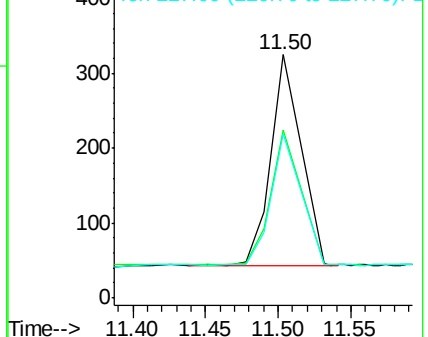
227 51.8 51.4 77.2

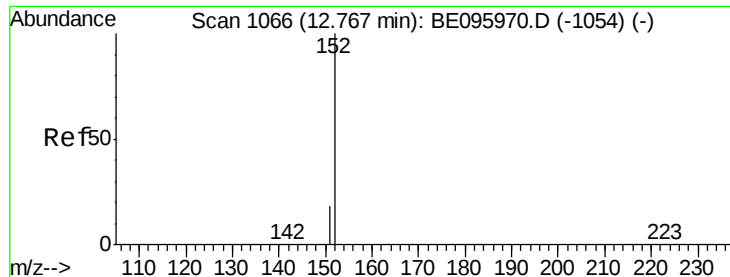


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.366 ng

RT: 12.74 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

Instrument :

BNA_E

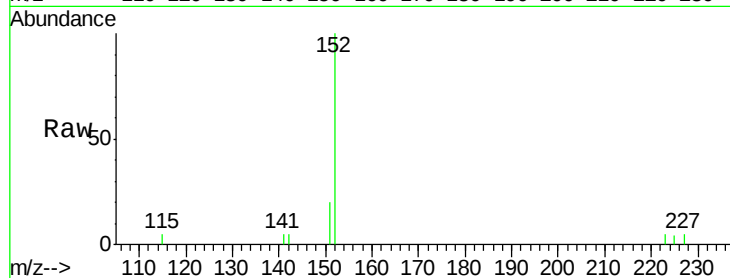
ClientSampled :

Tot Ion:152 Resp: 1403

Ion Ratio Lower Upper

152 100

151 19.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.74

1000

800

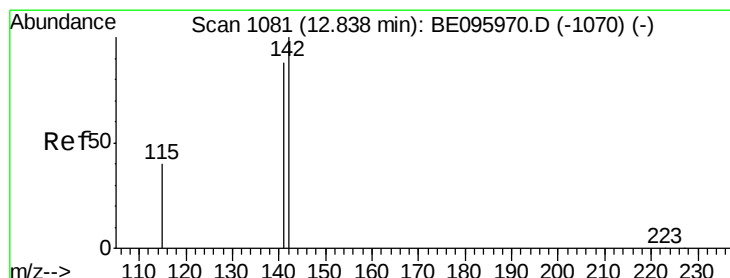
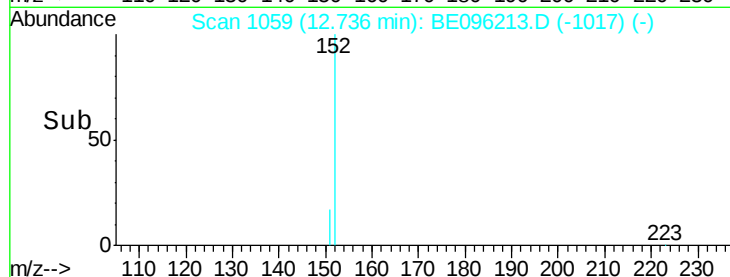
600

400

200

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.372 ng

RT: 12.81 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

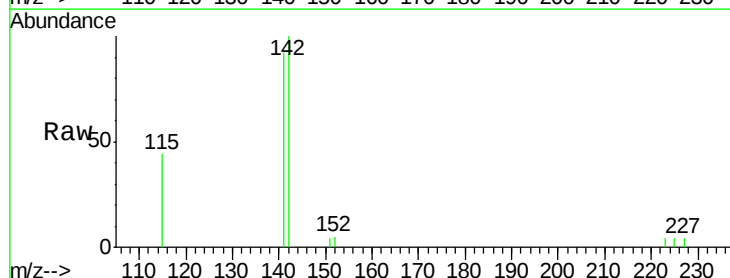
Tgt Ion:142 Resp: 1572

Ion Ratio Lower Upper

142 100

141 92.3 70.4 105.6

115 44.4 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

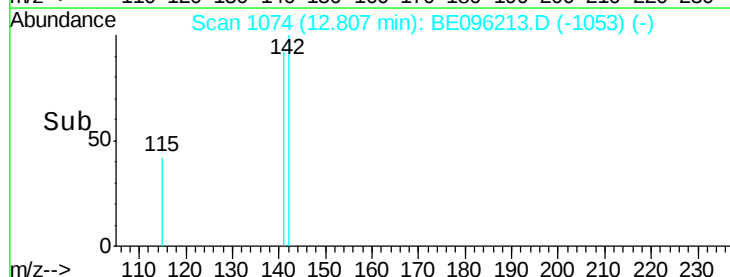
12.81

1000

500

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.94 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

Instrument :

BNA_E

ClientSampleId :

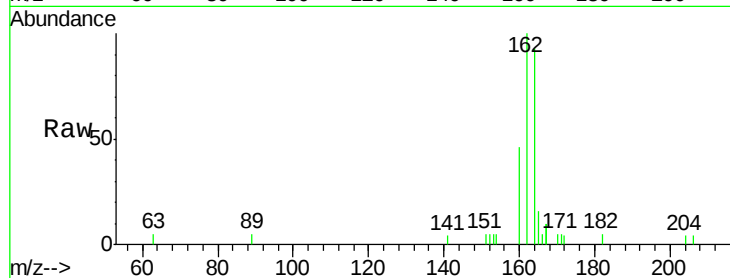
Tot Ion:164 Resp: 1308

Ion Ratio Lower Upper

164 100

162 107.1 83.1 124.7

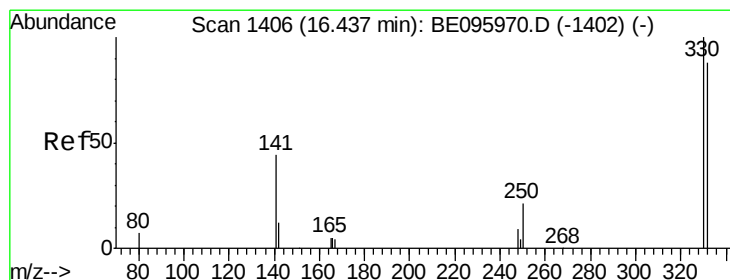
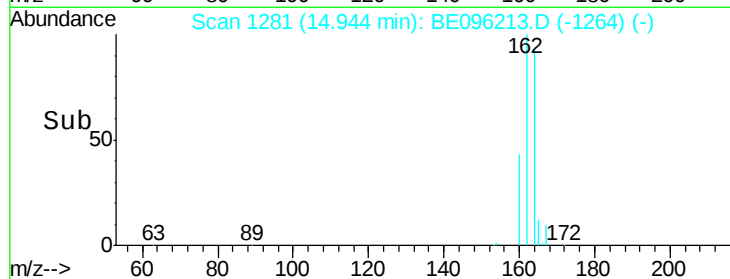
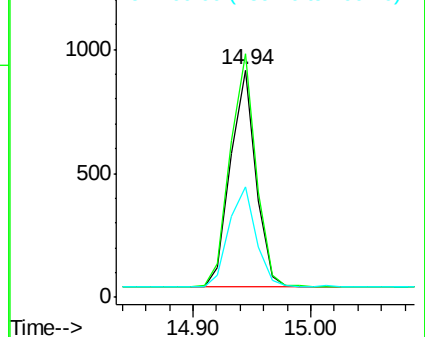
160 48.9 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.356 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

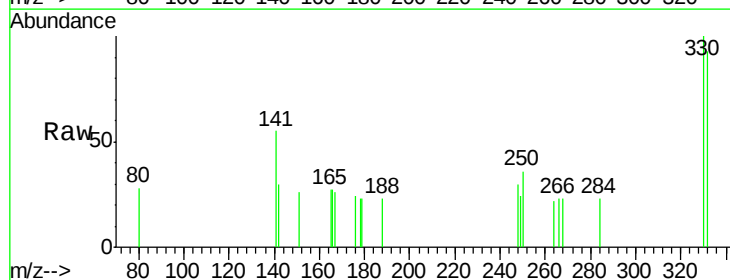
Tgt Ion:330 Resp: 225

Ion Ratio Lower Upper

330 100

332 89.3 152.7 229.1#

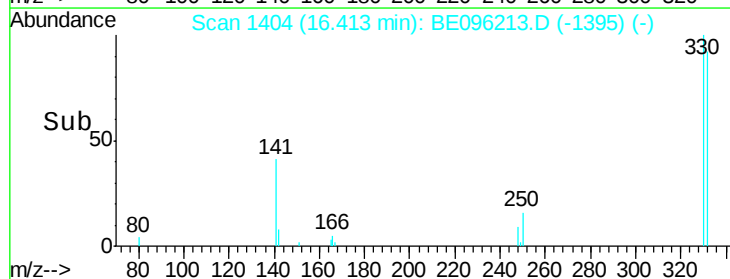
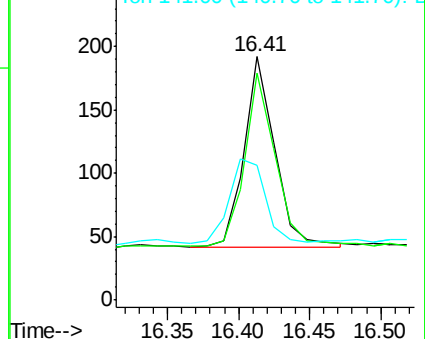
141 51.6 33.7 50.5#

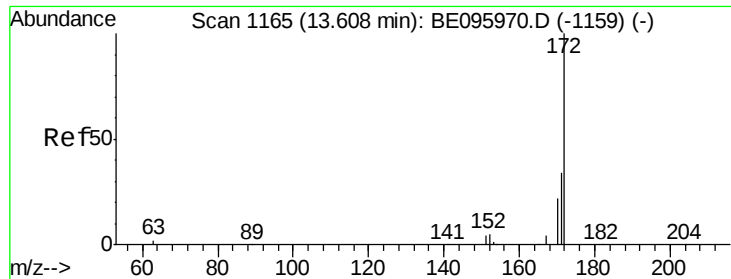


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

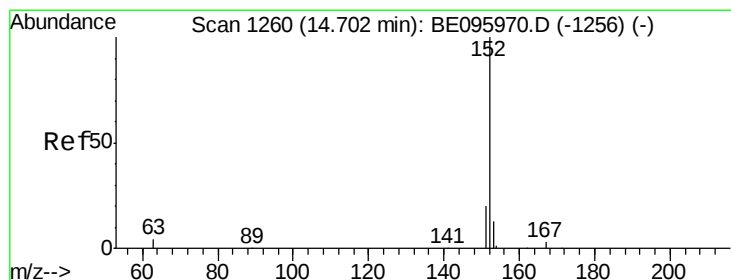
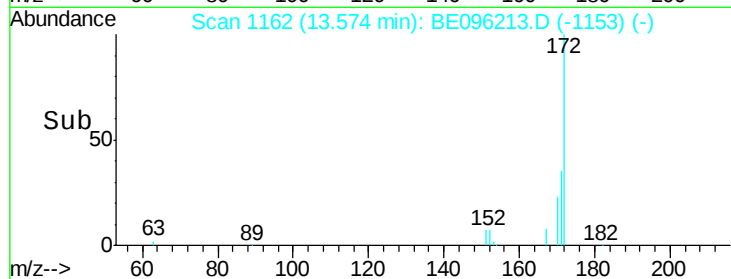
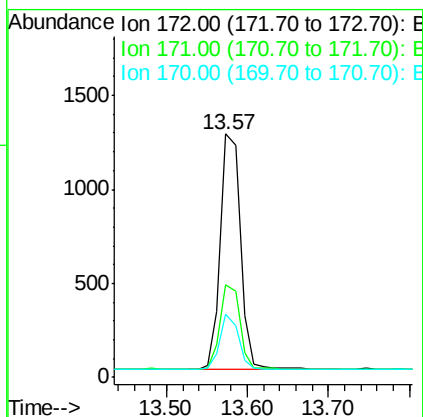
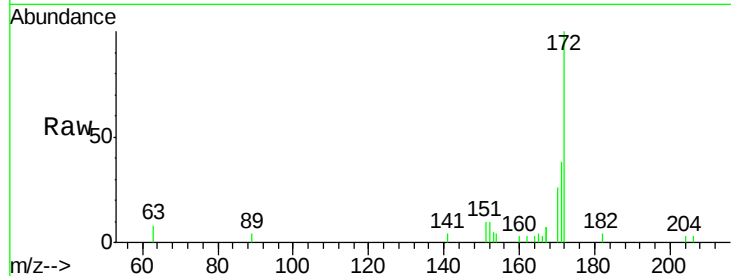




#15
2-Fluorobiphenyl
Concen: 0.387 ng
RT: 13.57 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BE096213.D
Acq: 30 Apr 2018 9:58

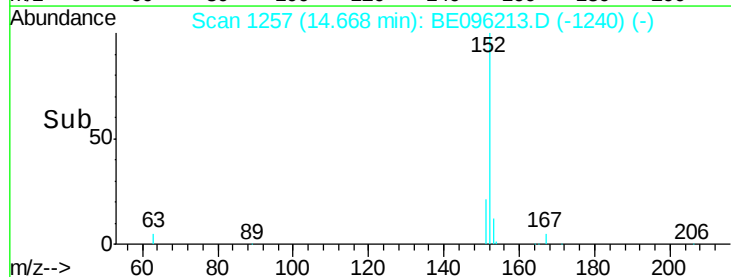
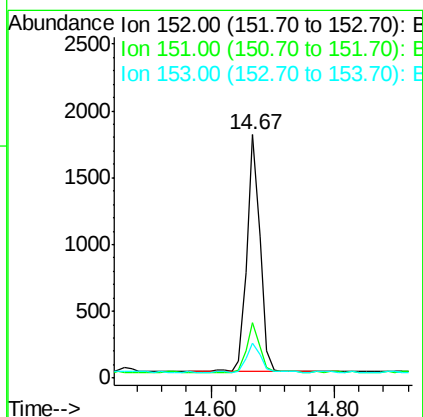
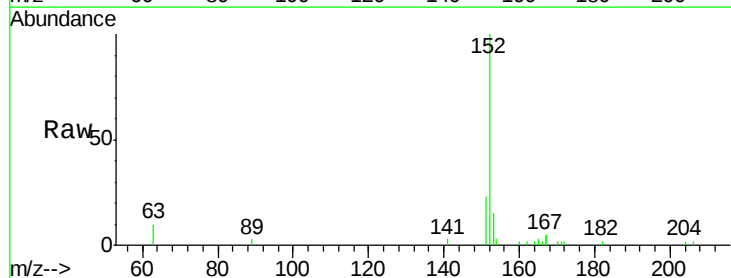
Instrument :
BNA_E
ClientSampleId :

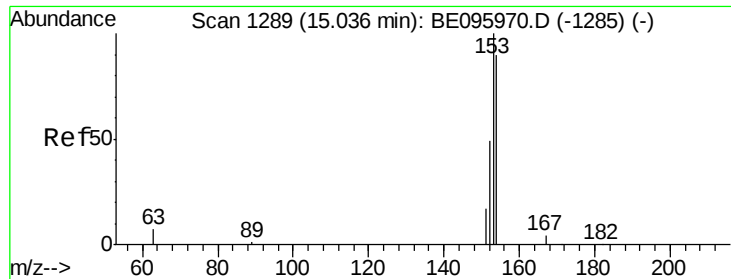
Tot Ion:172 Resp: 2164
Ion Ratio Lower Upper
172 100
171 37.8 29.9 44.9
170 26.1 21.8 32.8



#16
Acenaphthylene
Concen: 0.382 ng
RT: 14.67 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BE096213.D
Acq: 30 Apr 2018 9:58

Tgt Ion:152 Resp: 2671
Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 12.8 10.5 15.7





#17

Acenaphthene

Concen: 0.374 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

Instrument :

BNA_E

ClientSampleId :

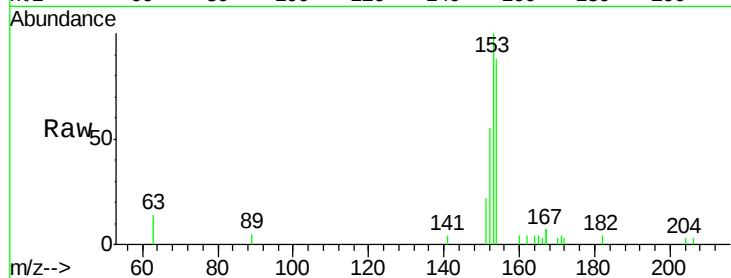
Tot Ion:154 Resp: 1568

Ion Ratio Lower Upper

154 100

153 116.6 89.2 133.8

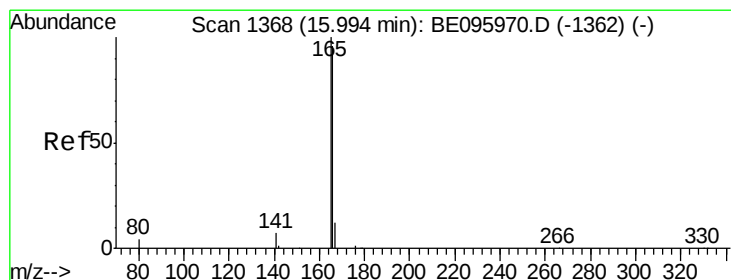
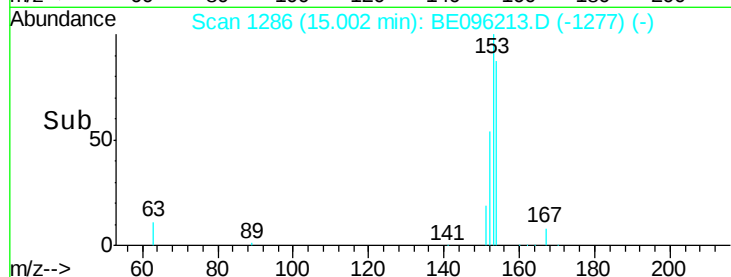
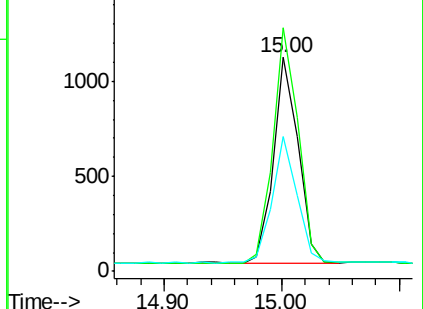
152 61.4 42.0 63.0



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



#18

Fluorene

Concen: 0.378 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

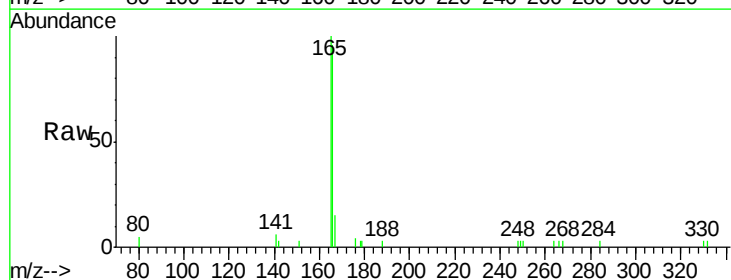
Tgt Ion:166 Resp: 1963

Ion Ratio Lower Upper

166 100

165 104.0 77.8 116.6

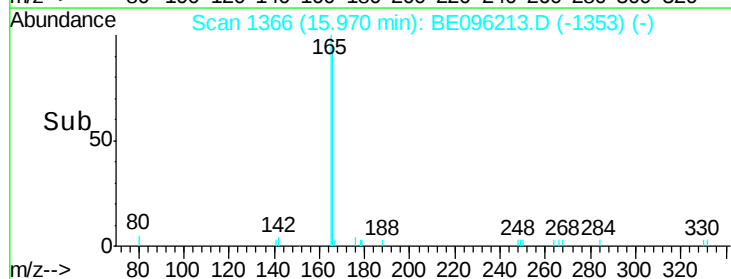
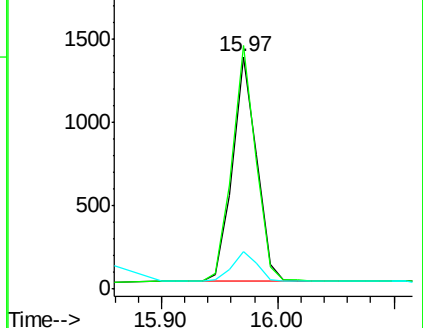
167 13.7 42.4 63.6#



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

Instrument :

BNA_E

ClientSampleId :

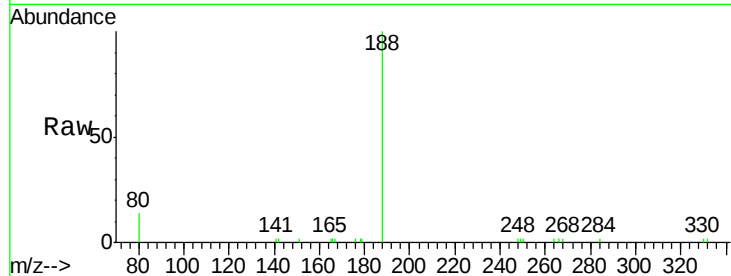
Tot Ion:188 Resp: 3229

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

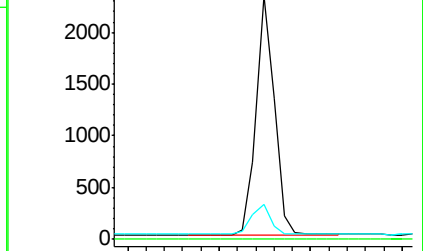
80 14.2 3.6 5.4#



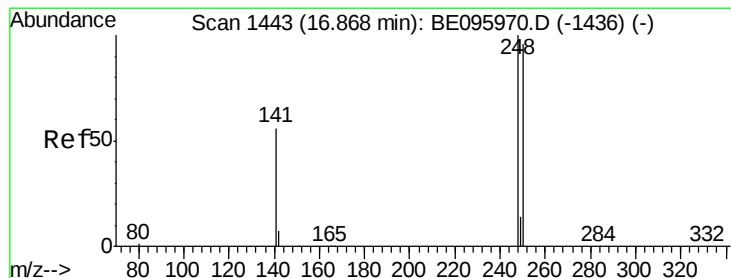
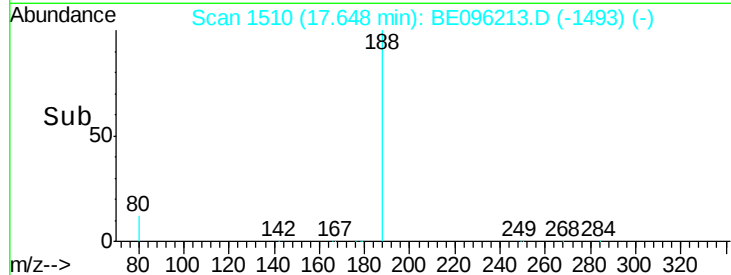
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time--> 17.50 17.60 17.70



#20

4-Bromophenyl-phenylether

Concen: 0.369 ng

RT: 16.83 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

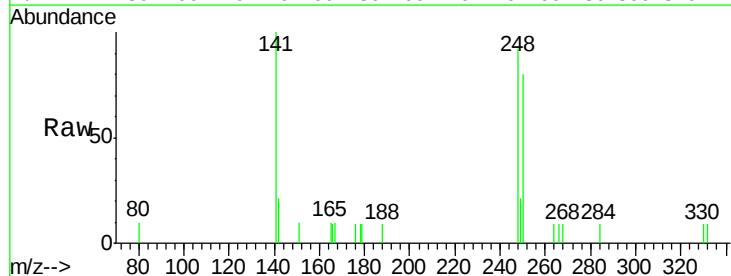
Tgt Ion:248 Resp: 708

Ion Ratio Lower Upper

248 100

250 86.3 62.7 94.1

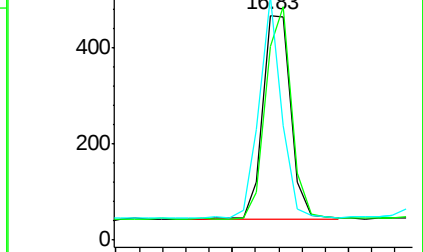
141 108.4 48.2 72.2#



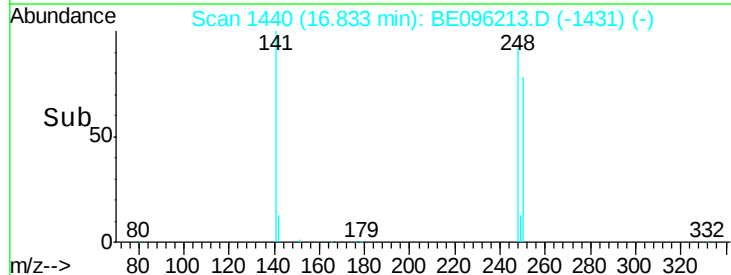
Abundance Ion 248.00 (247.70 to 248.70): E

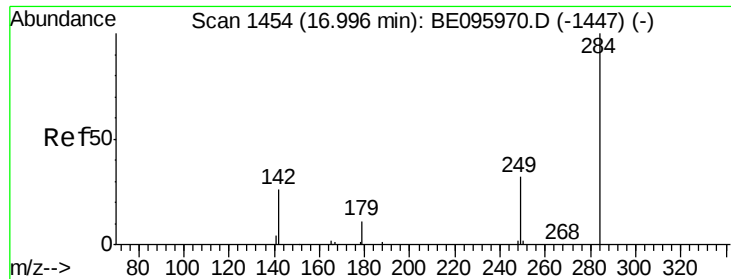
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 16.70 16.80 16.90

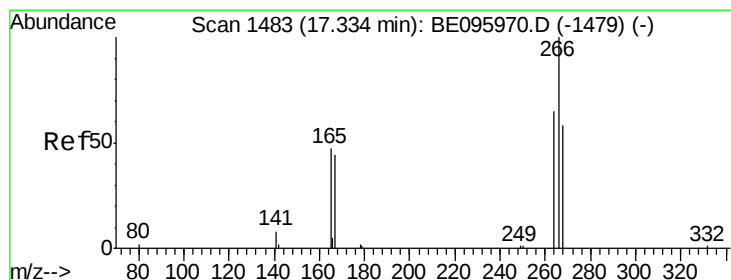
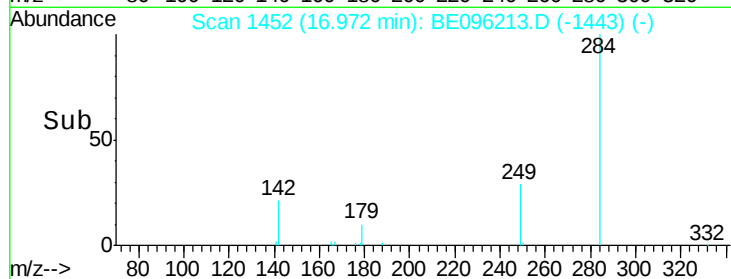
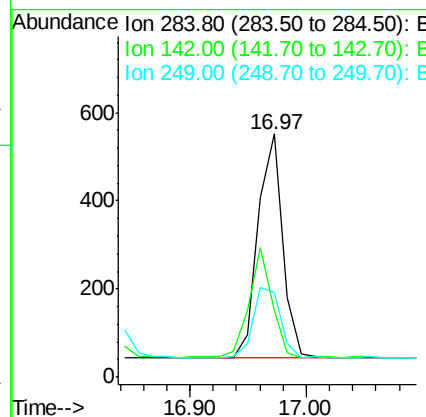
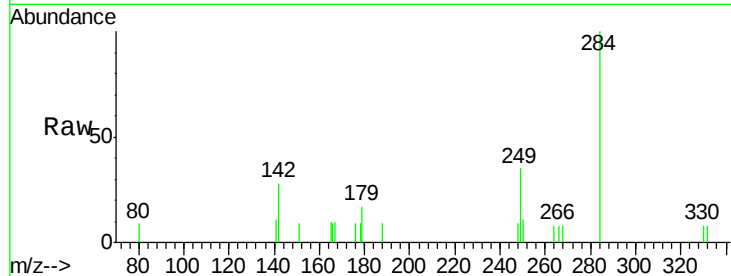




#21
Hexachlorobenzene
Concen: 0.393 ng
RT: 16.97 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BE096213.D
Acq: 30 Apr 2018 9:58

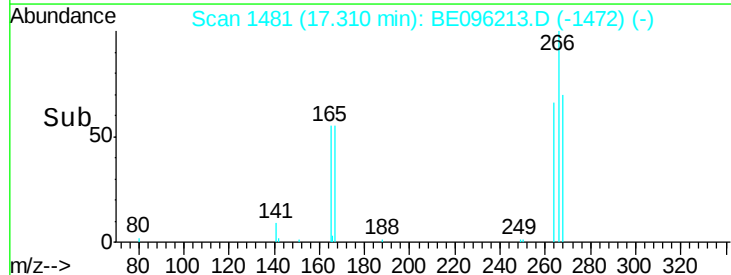
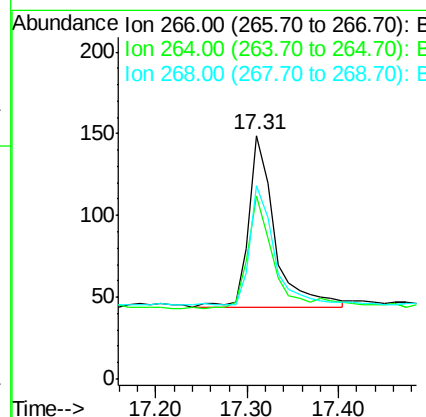
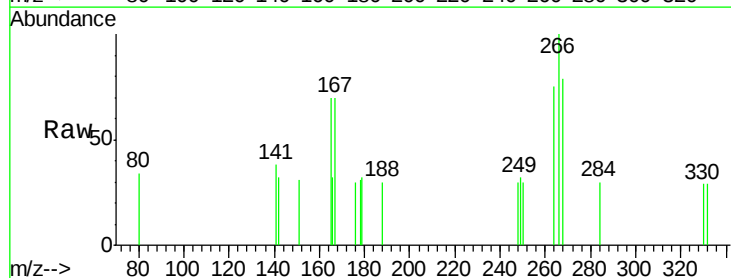
Instrument :
BNA_E
ClientSampleId :

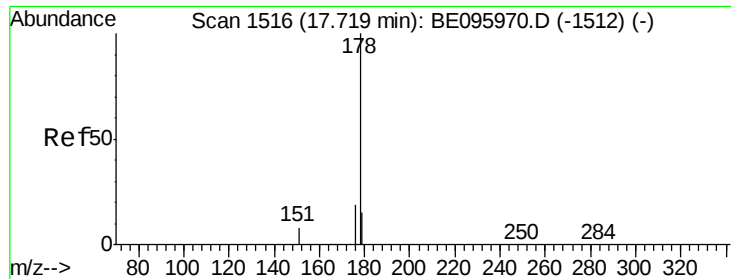
Tot Ion:284 Resp: 751
Ion Ratio Lower Upper
284 100
142 45.8 22.1 33.1#
249 34.9 34.8 52.2



#22
Pentachlorophenol
Concen: 0.373 ng
RT: 17.31 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BE096213.D
Acq: 30 Apr 2018 9:58

Tgt Ion:266 Resp: 209
Ion Ratio Lower Upper
266 100
264 75.2 72.5 108.7
268 79.2 73.8 110.6

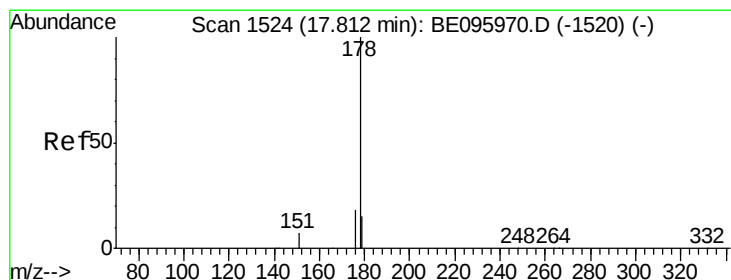
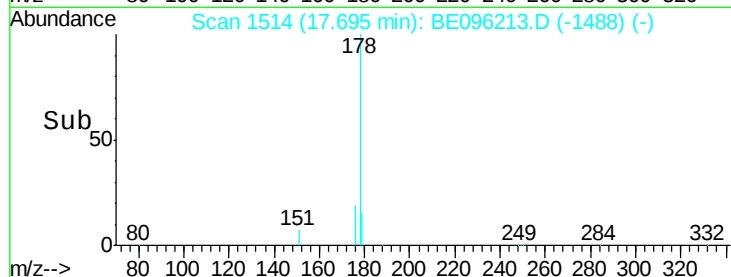
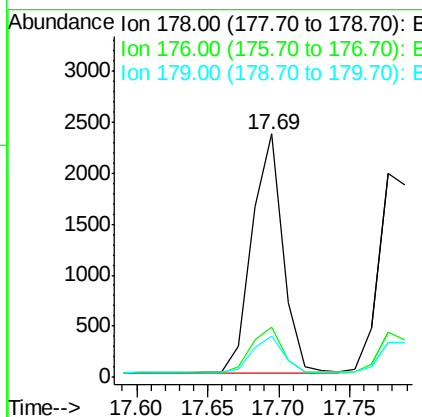
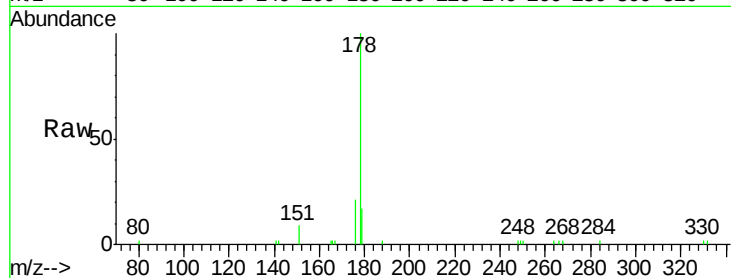




#23
Phenanthrene
Concen: 0.386 ng
RT: 17.69 min Scan# 1514
Delta R.T. 0.00 min
Lab File: BE096213.D
Acq: 30 Apr 2018 9:58

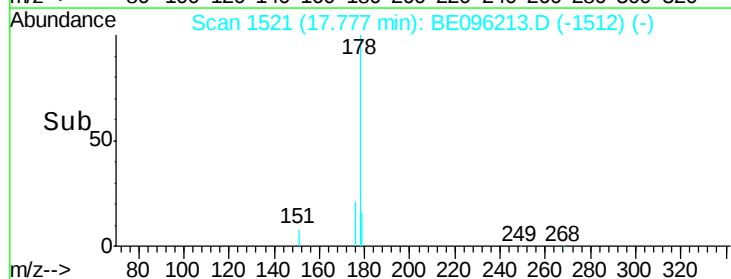
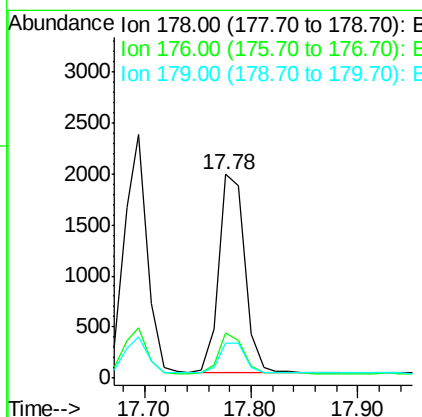
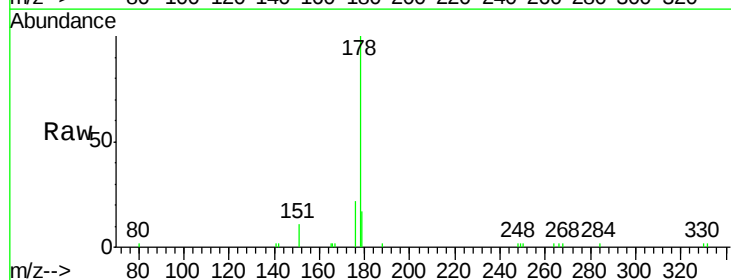
Instrument :
BNA_E
ClientSampleId :

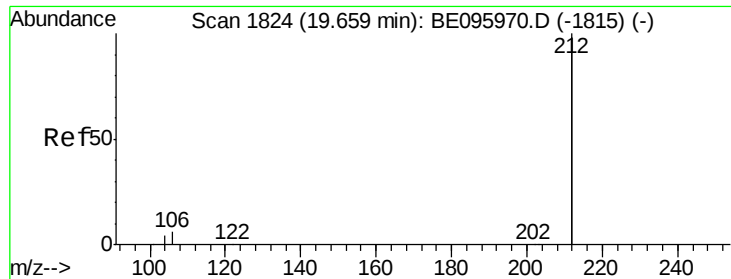
Tot Ion:178 Resp: 3502
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.0 11.8 17.6



#24
Anthracene
Concen: 0.378 ng
RT: 17.78 min Scan# 1521
Delta R.T. 0.00 min
Lab File: BE096213.D
Acq: 30 Apr 2018 9:58

Tgt Ion:178 Resp: 3279
Ion Ratio Lower Upper
178 100
176 19.2 12.8 19.2#
179 15.5 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.376 ng

RT: 19.64 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

Instrument :

BNA_E

ClientSampleId :

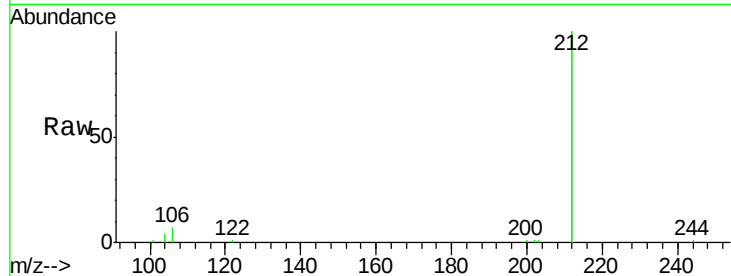
Tot Ion:212 Resp: 16491

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

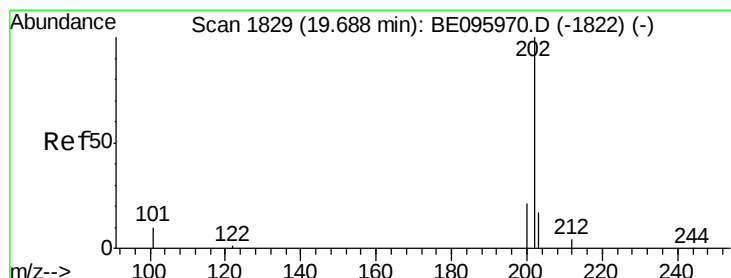
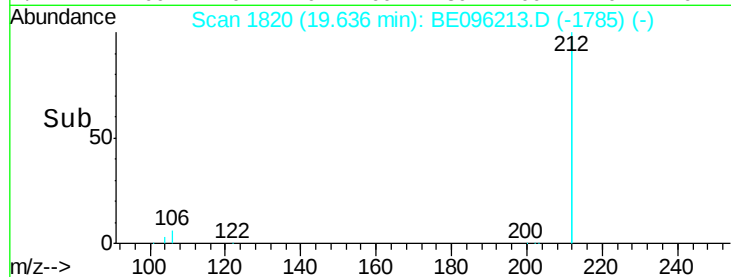
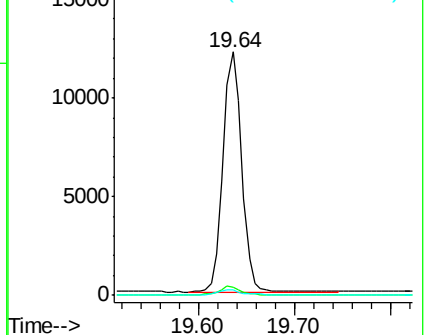
104 1.8 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.387 ng

RT: 19.66 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

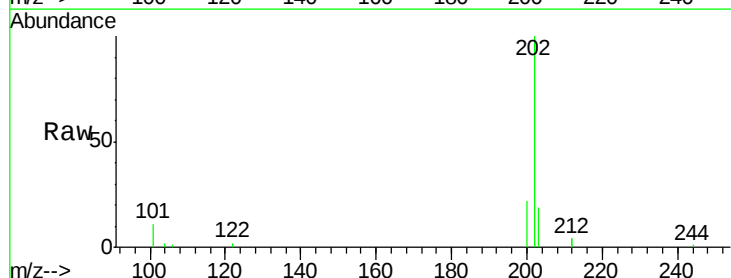
Tgt Ion:202 Resp: 4611

Ion Ratio Lower Upper

202 100

101 10.7 9.8 14.8

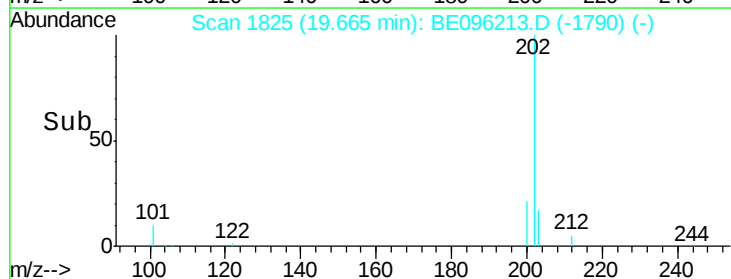
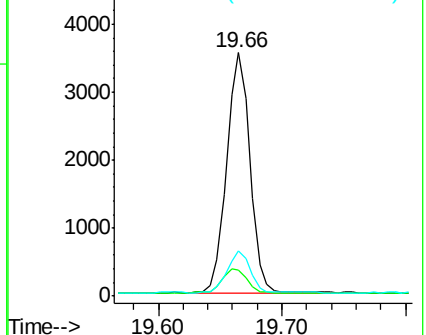
203 17.4 13.7 20.5



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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.74 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

Instrument :

BNA_E

ClientSampleId :

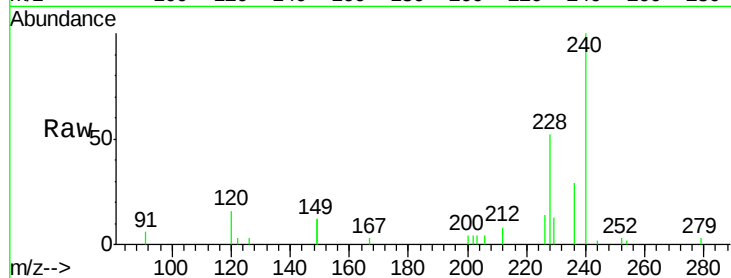
Tot Ion:240 Resp: 3546

Ion Ratio Lower Upper

240 100

120 16.3 5.5 8.3#

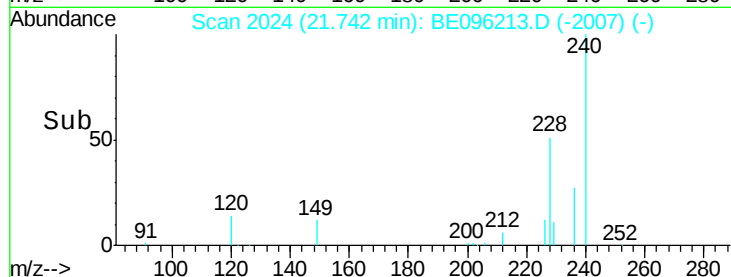
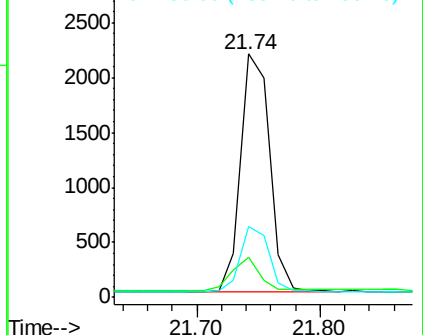
236 29.2 20.7 31.1



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



#28

Pyrene

Concen: 0.024 ng

RT: 20.00 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

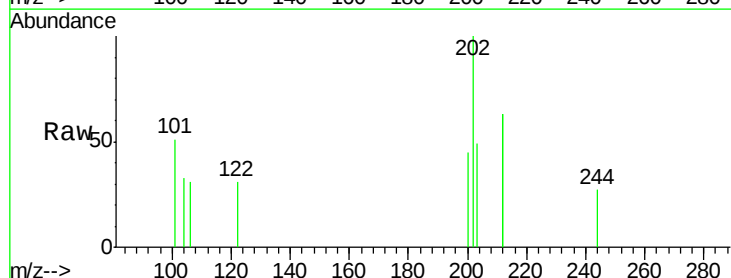
Tgt Ion:202 Resp: 166

Ion Ratio Lower Upper

202 100

200 28.9 16.6 25.0#

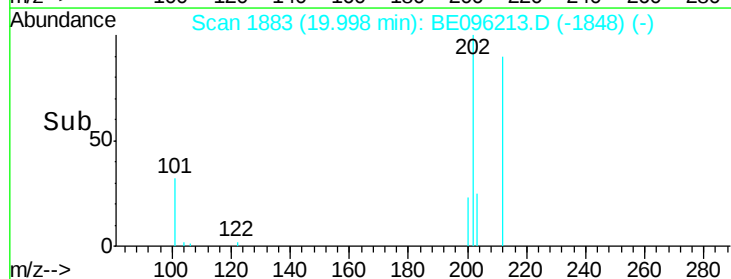
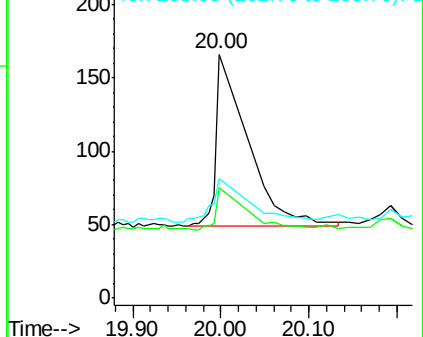
203 35.5 13.8 20.8#



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: 0.381 ng

RT: 20.19 min Scan# 1896

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

Instrument :

BNA_E

ClientSampleId :

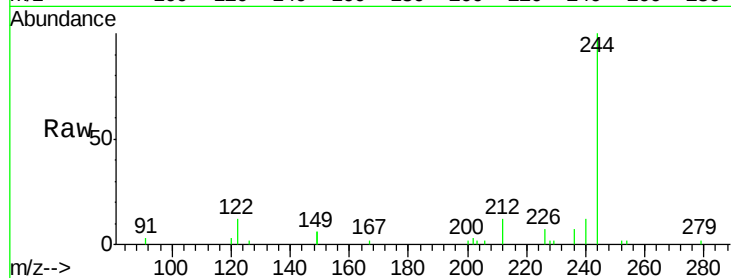
Tot Ion:244 Resp: 2983

Ion Ratio Lower Upper

244 100

212 11.8 25.4 38.0#

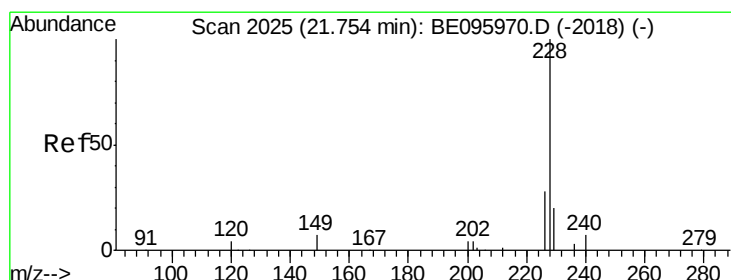
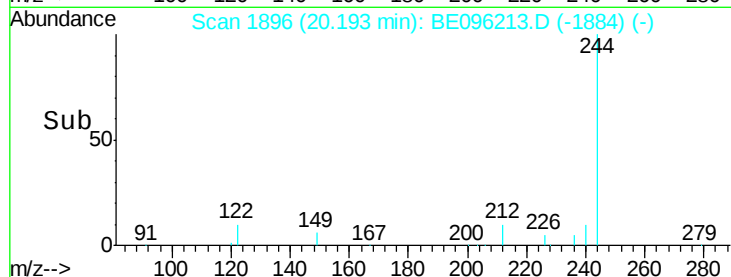
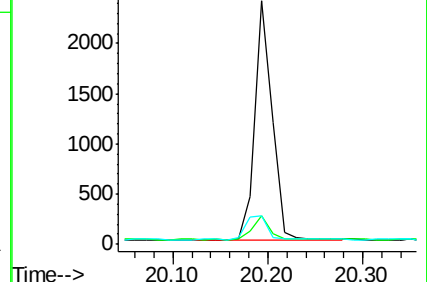
122 11.8 8.1 12.1



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: 0.386 ng

RT: 21.73 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

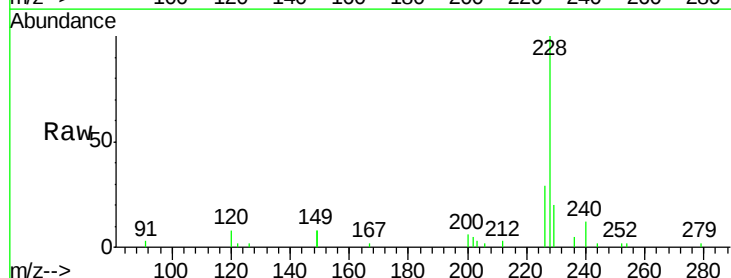
Tgt Ion:228 Resp: 4394

Ion Ratio Lower Upper

228 100

226 28.5 24.0 36.0

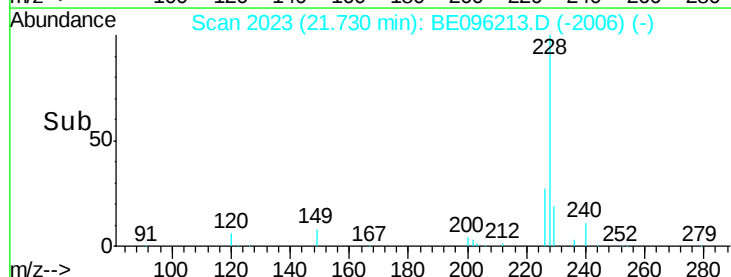
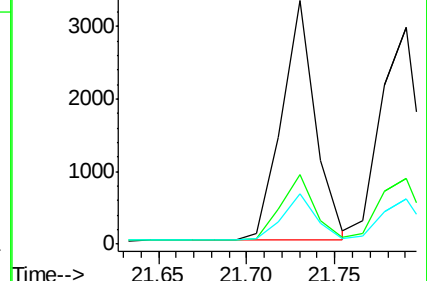
229 20.5 16.0 24.0



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

Chrysene

Concen: 0.400 ng

RT: 21.79 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

Instrument :

BNA_E

ClientSampleId :

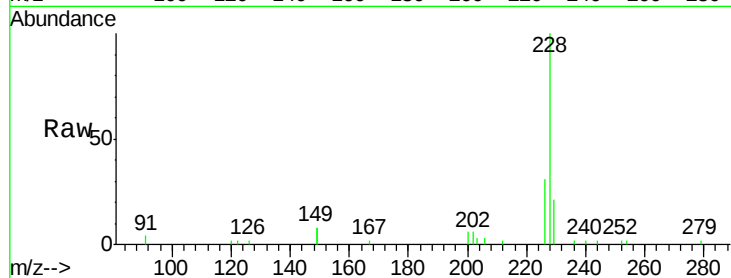
Tot Ion:228 Resp: 4388

Ion Ratio Lower Upper

228 100

226 30.5 24.0 36.0

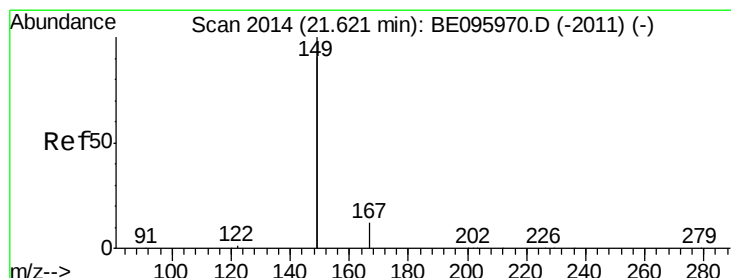
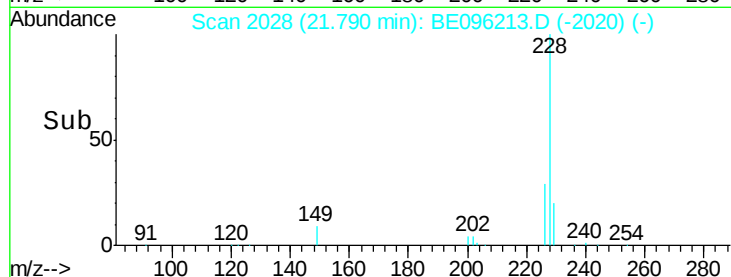
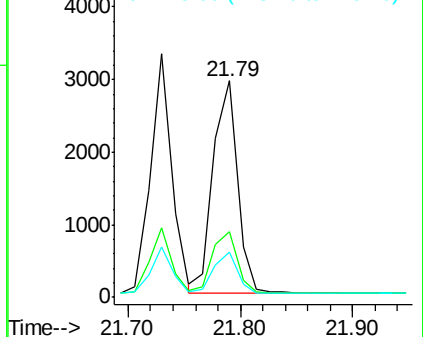
229 21.1 16.0 24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.392 ng

RT: 21.60 min Scan# 2012

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

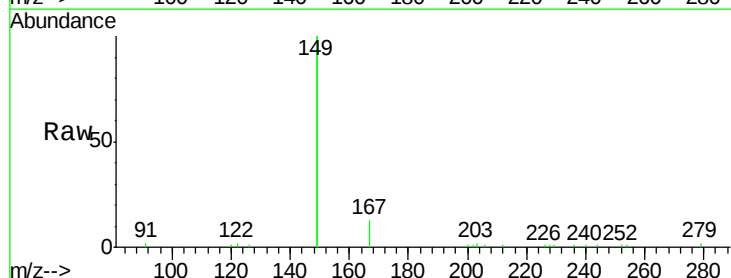
Tgt Ion:149 Resp: 11494

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

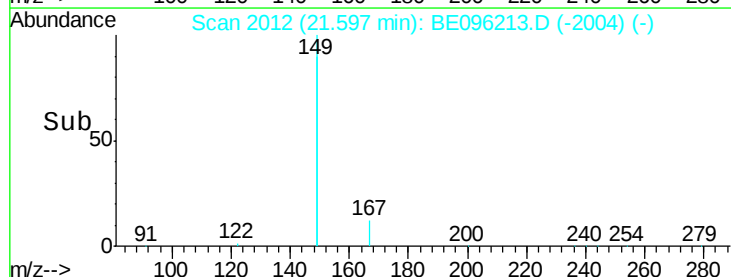
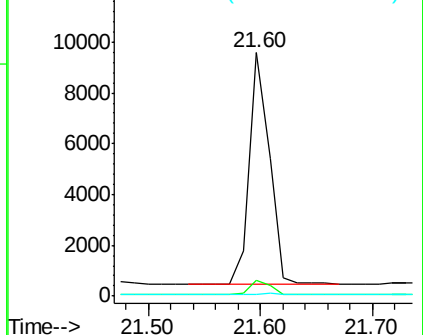
279 0.9 0.7 1.1



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

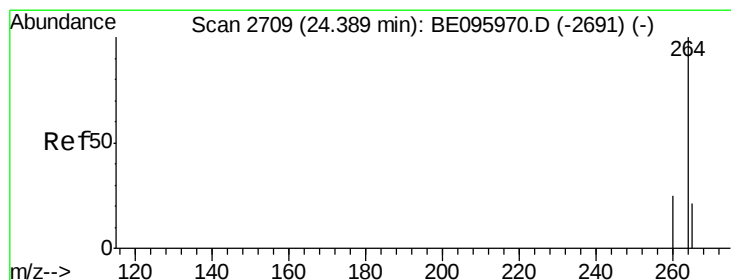
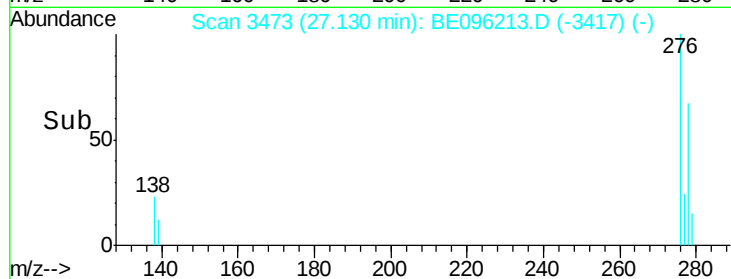
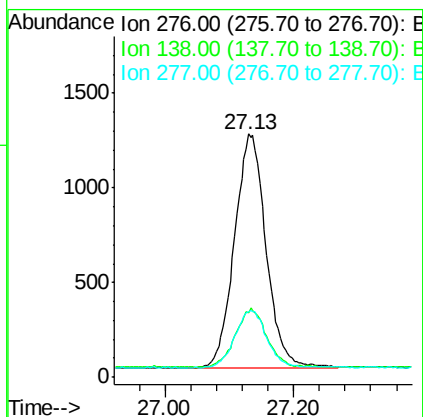
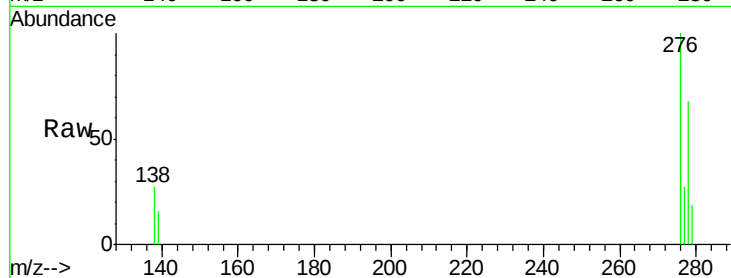




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.399 ng
RT: 27.13 min Scan# 3473
Delta R.T. 0.00 min
Lab File: BE096213.D
Acq: 30 Apr 2018 9:58

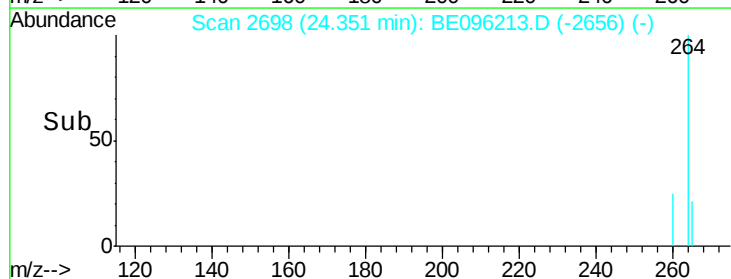
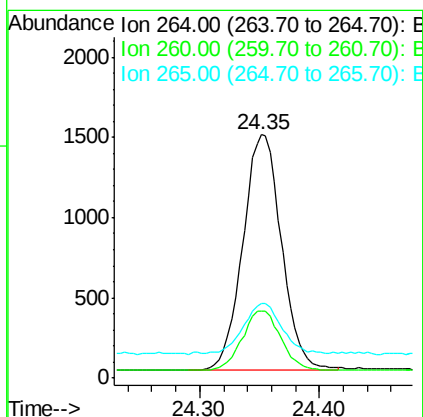
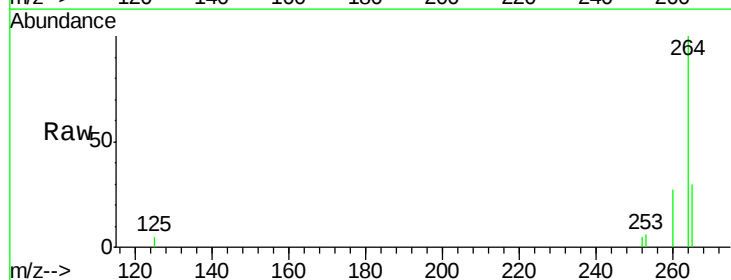
Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 4246
Ion Ratio Lower Upper
276 100
138 24.0 22.5 33.7
277 24.5 19.9 29.9



#34
Perylene-d12
Concen: 0.400 ng
RT: 24.35 min Scan# 2698
Delta R.T. 0.00 min
Lab File: BE096213.D
Acq: 30 Apr 2018 9:58

Tgt Ion:264 Resp: 3289
Ion Ratio Lower Upper
264 100
260 27.4 20.5 30.7
265 30.4 22.8 34.2

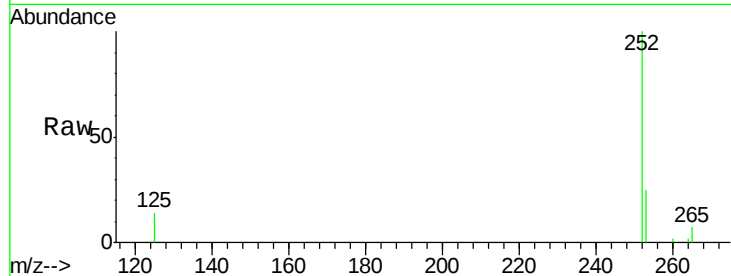




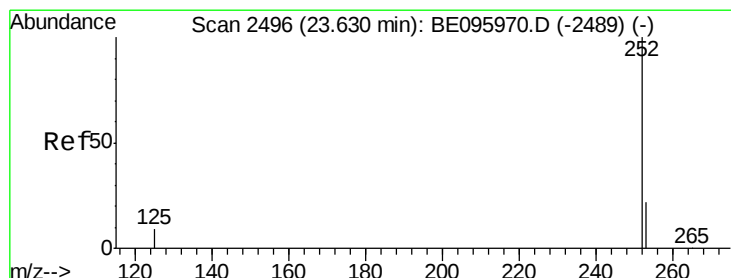
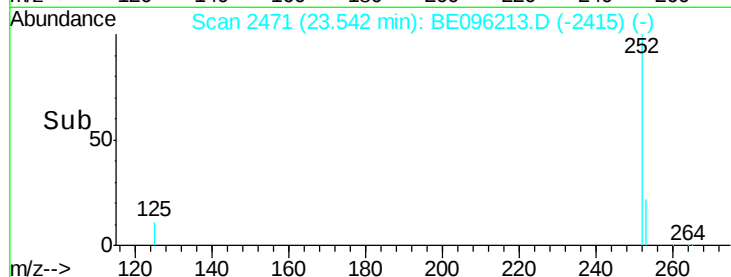
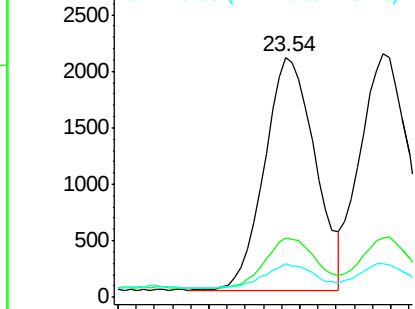
#35
Benzo(b)fluoranthene
Concen: 0.402 ng
RT: 23.54 min Scan# 2471
Delta R.T. 0.00 min
Lab File: BE096213.D
Acq: 30 Apr 2018 9:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 3966
Ion Ratio Lower Upper
252 100
253 24.7 20.0 30.0
125 14.2 16.0 24.0#

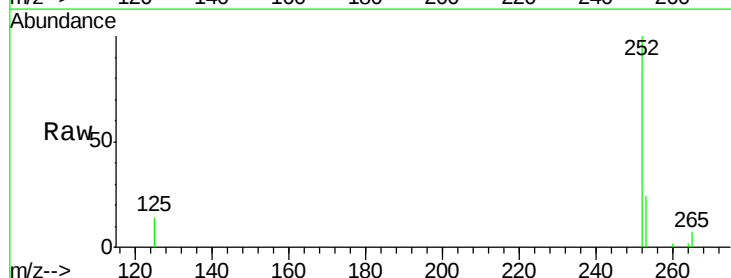


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

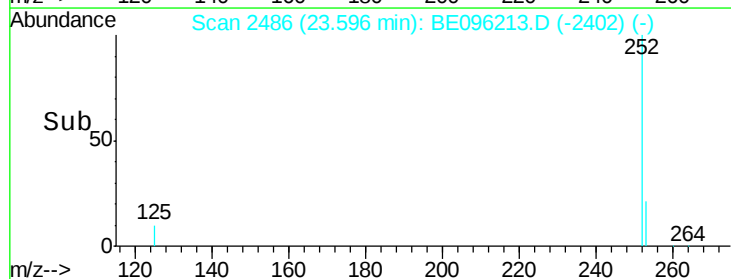
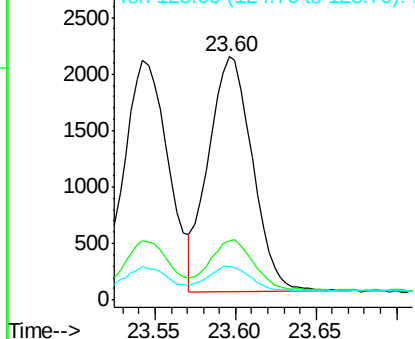


#36
Benzo(k)fluoranthene
Concen: 0.387 ng
RT: 23.60 min Scan# 2486
Delta R.T. 0.00 min
Lab File: BE096213.D
Acq: 30 Apr 2018 9:58

Tgt Ion:252 Resp: 3928
Ion Ratio Lower Upper
252 100
253 24.1 16.0 24.0#
125 13.7 8.0 12.0#



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





#37

Benzo(a)pyrene

Concen: 0.390 ng

RT: 24.23 min Scan# 2665

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

Instrument :

BNA_E

ClientSampleId :

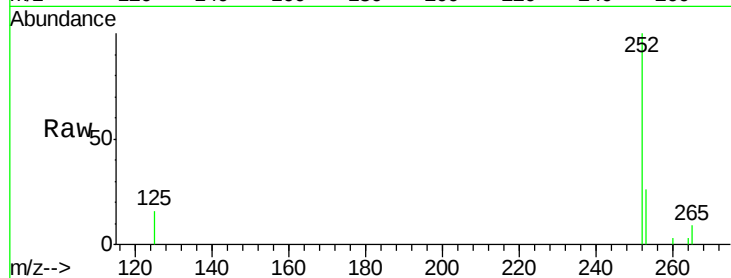
Tot Ion:252 Resp: 3700

Ion Ratio Lower Upper

252 100

253 25.5 16.0 24.0#

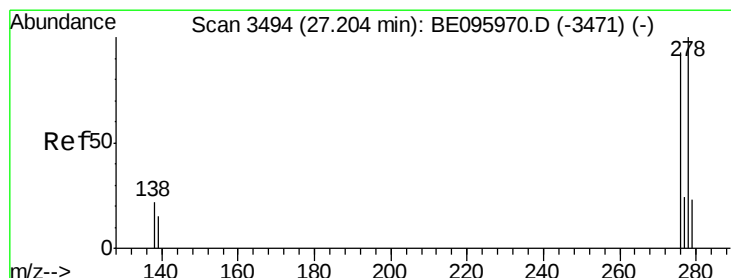
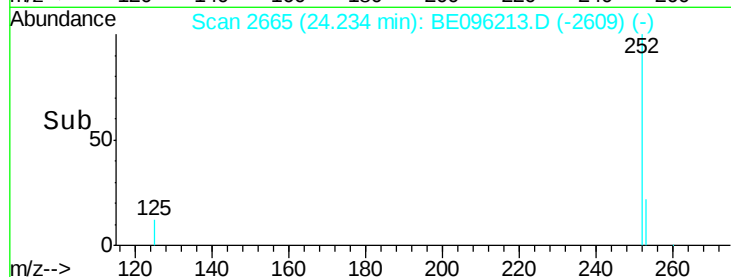
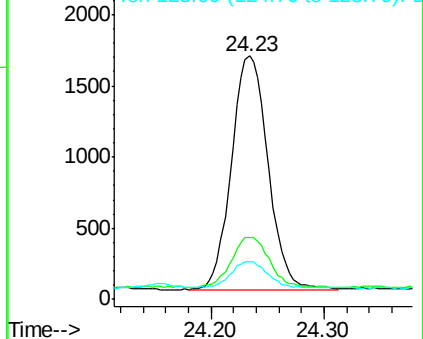
125 15.7 12.0 18.0



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

Dibenzo(a,h)anthracene

Concen: 0.414 ng

RT: 27.14 min Scan# 3476

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

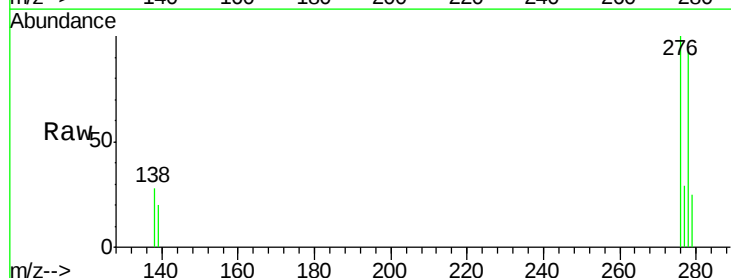
Tgt Ion:278 Resp: 3460

Ion Ratio Lower Upper

278 100

139 21.2 16.0 24.0

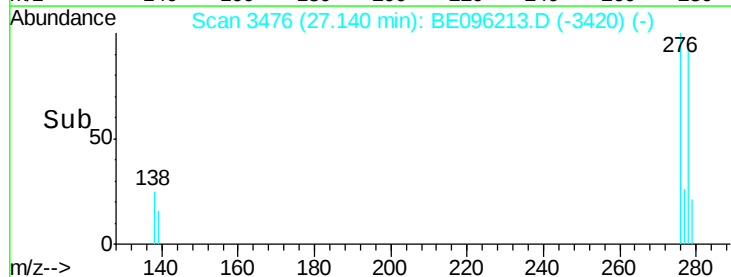
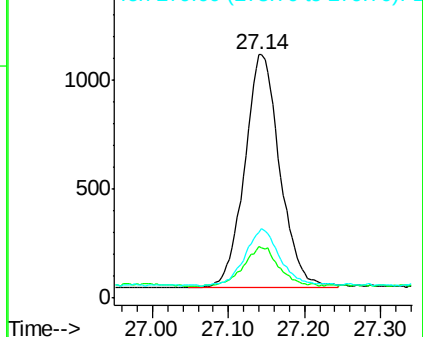
279 27.0 20.0 30.0

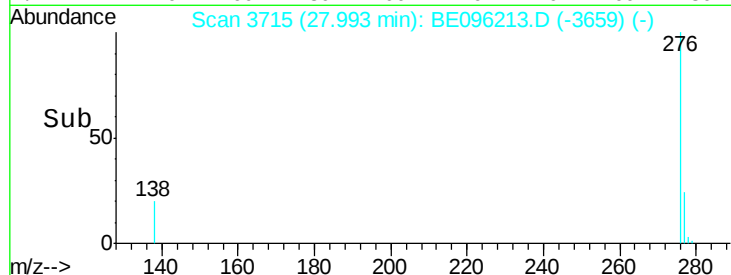
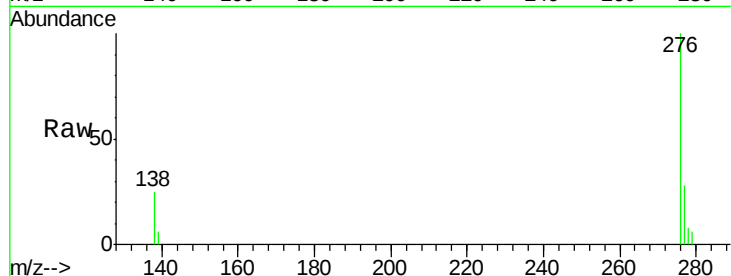


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.398 ng

RT: 27.99 min Scan# 3715

Delta R.T. 0.00 min

Lab File: BE096213.D

Acq: 30 Apr 2018 9:58

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 276 Resp: 3524

Ion Ratio Lower Upper

276 100

277 28.1 16.0 24.0#

138 24.7 20.0 30.0

