

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050118\
 Data File : BE096251.D
 Acq On : 1 May 2018 10:45
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 02 01:50:27 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	717	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	2666	0.40	ng	0.00
13) Acenaphthene-d10	14.94	164	1421	0.40	ng	0.00
19) Phenanthrene-d10	17.65	188	3461	0.40	ng	0.00
27) Chrysene-d12	21.74	240	3477	0.40	ng	0.00
34) Perylene-d12	24.35	264	3248	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.87	112	767	0.35	ng	0.00
5) Phenol-d6	7.52	99	1132	0.37	ng	0.00
8) Nitrobenzene-d5	9.45	82	108	0.03	ng	-0.09
11) 2-Methylnaphthalene-d10	12.74	152	1543	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	226	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.57	172	2448	0.40	ng	0.00
25) Fluoranthene-d10	19.64	212	16452	0.35	ng	0.00
29) Terphenyl-d14	20.19	244	2842	0.37	ng	0.00

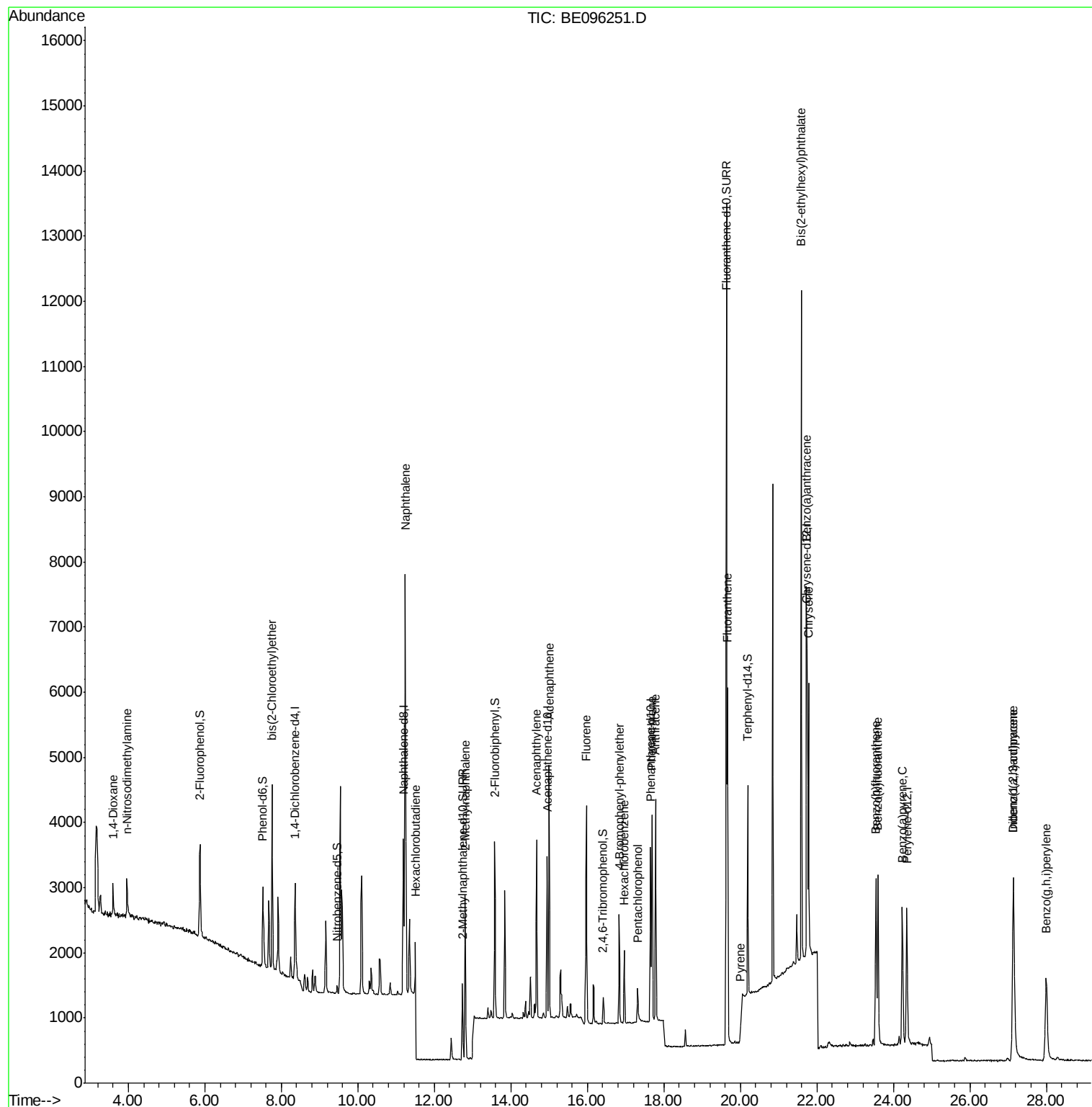
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.60	88	393	0.355	ng	# 90
3) n-Nitrosodimethylamine	3.96	42	528	0.389	ng	# 73
6) bis(2-Chloroethyl)ether	7.76	93	994	0.369	ng	92
9) Naphthalene	11.24	128	10699	0.381	ng	99
10) Hexachlorobutadiene	11.50	225	272	0.218	ng	86
12) 2-Methylnaphthalene	12.81	142	1736	0.373	ng	97
16) Acenaphthylene	14.67	152	2997	0.395	ng	99
17) Acenaphthene	15.00	154	1798	0.394	ng	92
18) Fluorene	15.97	166	2253	0.399	ng	# 78
20) 4-Bromophenyl-phenylether	16.83	248	740	0.360	ng	# 66
21) Hexachlorobenzene	16.96	284	781	0.381	ng	# 82
22) Pentachlorophenol	17.31	266	312	0.466	ng	# 78
23) Phenanthrene	17.69	178	3712	0.382	ng	98
24) Anthracene	17.78	178	3485	0.375	ng	# 95
26) Fluoranthene	19.66	202	4629	0.362	ng	98
28) Pyrene	20.00	202	209	0.031	ng	# 81
30) Benzo(a)anthracene	21.73	228	4228	0.379	ng	96
31) Chrysene	21.79	228	4237	0.393	ng	97
32) Bis(2-ethylhexyl)phthalate	21.60	149	11220	0.390	ng	100
33) Indeno(1,2,3-cd)pyrene	27.13	276	4067	0.389	ng	96
35) Benzo(b)fluoranthene	23.54	252	3896	0.400	ng	# 92
36) Benzo(k)fluoranthene	23.60	252	3935	0.393	ng	# 90
37) Benzo(a)pyrene	24.24	252	3696	0.395	ng	# 91
38) Dibenzo(a,h)anthracene	27.14	278	3348	0.406	ng	94
39) Benzo(g,h,i)perylene	28.00	276	3417	0.391	ng	# 90

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

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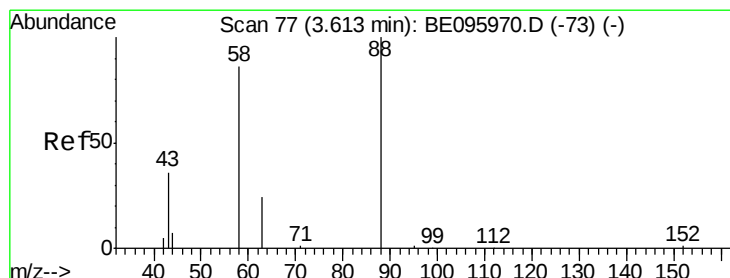
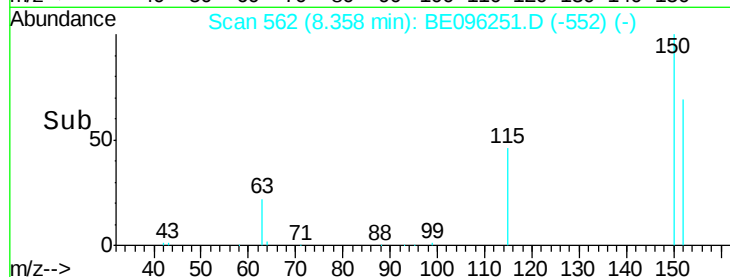
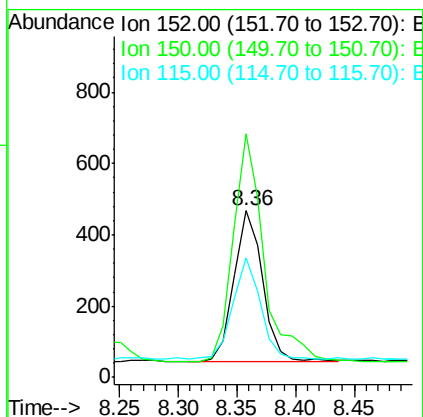
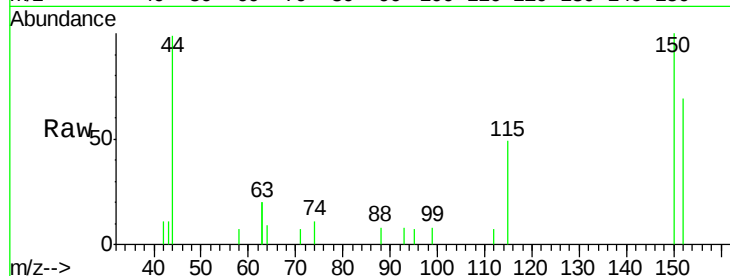


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.36 min Scan# 562
 Delta R.T. -0.00 min
 Lab File: BE096251.D
 Acq: 1 May 2018 10:45

Instrument :
 BNA_E
 ClientSampleId :

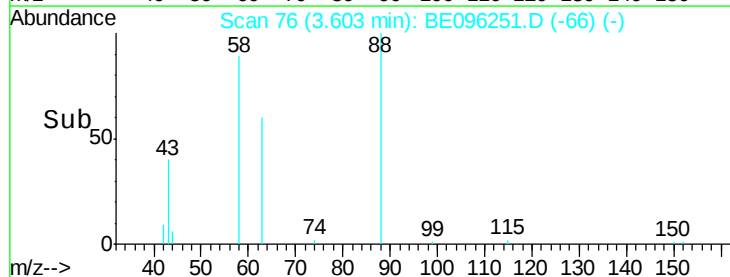
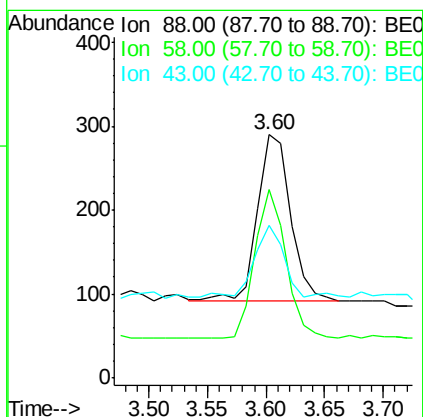
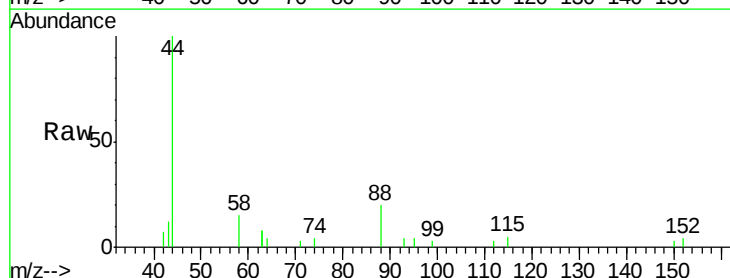
Tot Ion:152 Resp: 717
 Ion Ratio Lower Upper
 152 100
 150 145.9 117.2 175.8
 115 71.8 57.0 85.6

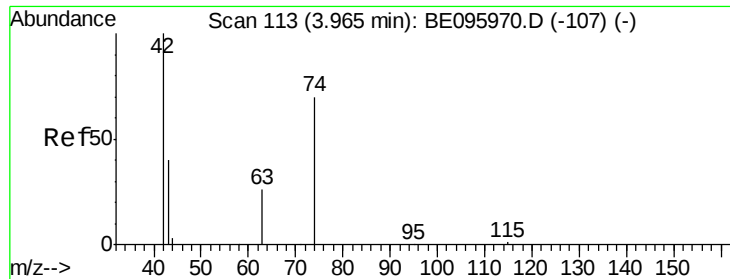


#2

1,4-Dioxane
 Concen: 0.355 ng
 RT: 3.60 min Scan# 76
 Delta R.T. -0.00 min
 Lab File: BE096251.D
 Acq: 1 May 2018 10:45

Tgt Ion: 88 Resp: 393
 Ion Ratio Lower Upper
 88 100
 58 83.0 63.2 94.8
 43 38.2 41.2 61.8#



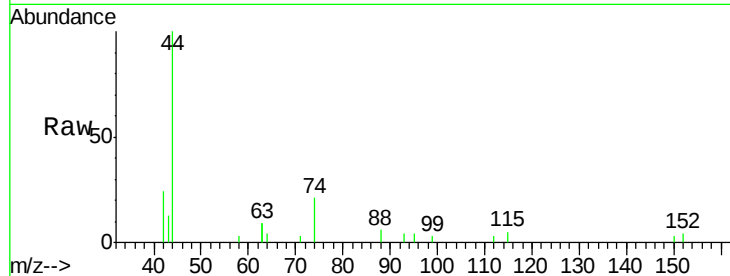


#3

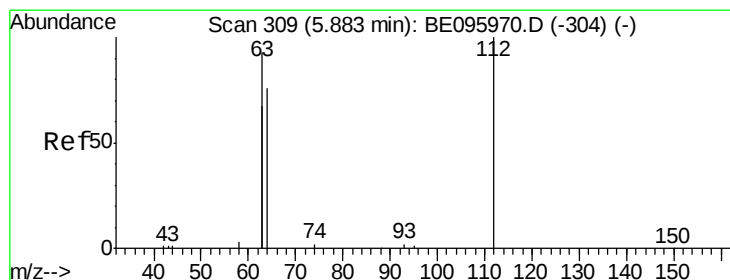
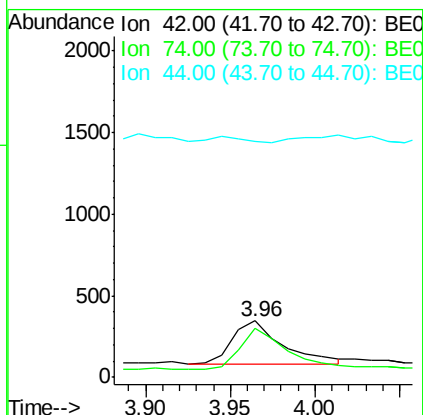
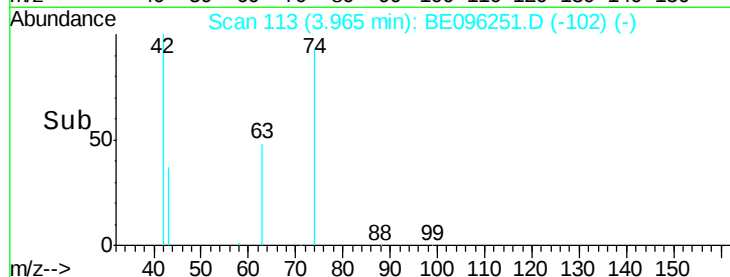
n-Nitrosodimethylamine
 Concen: 0.389 ng
 RT: 3.96 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: BE096251.D
 Acq: 1 May 2018 10:45

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 528
 Ion Ratio Lower Upper
 42 100
 74 89.0 96.0 144.0#
 44 7.8 12.0 18.0#



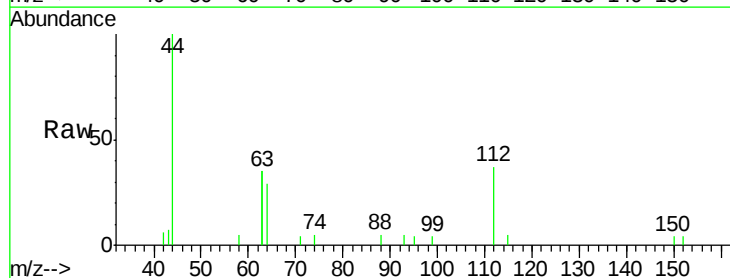
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



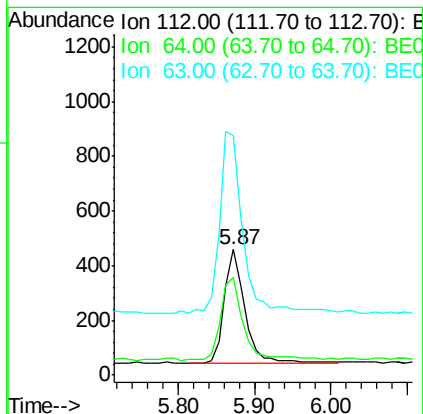
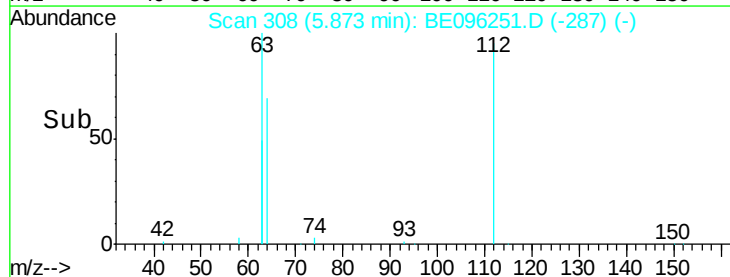
#4

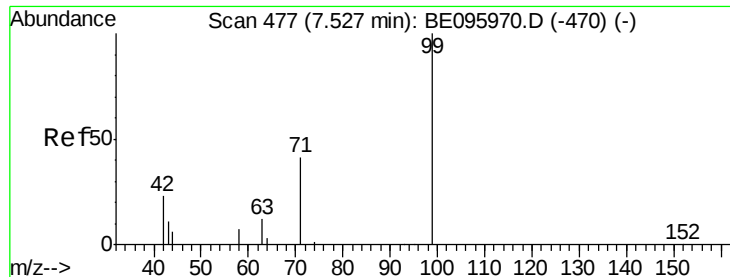
2-Fluorophenol
 Concen: 0.346 ng
 RT: 5.87 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: BE096251.D
 Acq: 1 May 2018 10:45

Tgt Ion: 112 Resp: 767
 Ion Ratio Lower Upper
 112 100
 64 82.0 60.1 90.1
 63 183.7 116.8 175.2#



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: 0.370 ng

RT: 7.52 min Scan# 476

Delta R.T. 0.01 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

Instrument :

BNA_E

ClientSampleId :

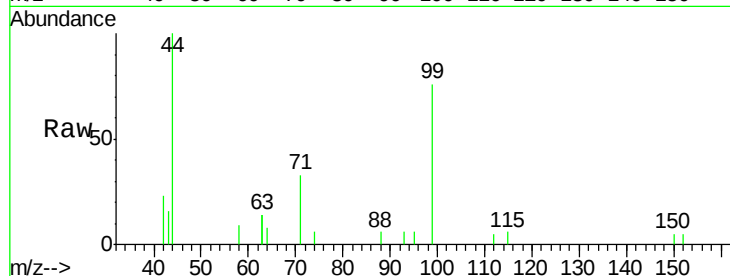
Tot Ion: 99 Resp: 1132

Ion Ratio Lower Upper

99 100

42 27.9 20.2 30.2

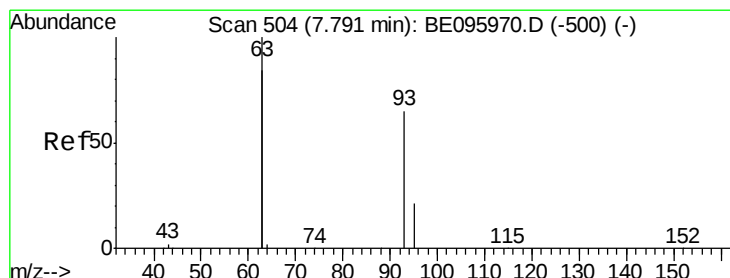
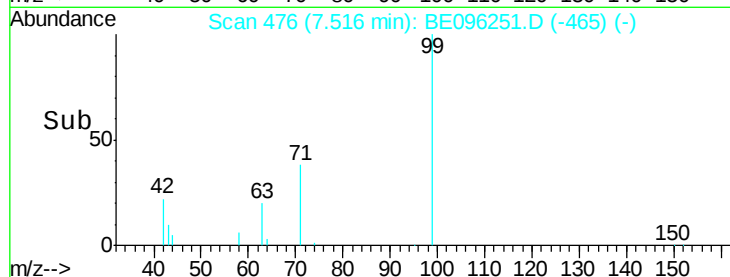
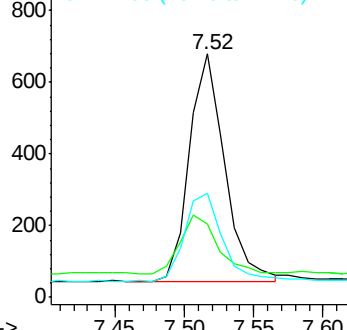
71 40.9 28.4 42.6



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



#6

bis(2-Chloroethyl)ether

Concen: 0.369 ng

RT: 7.76 min Scan# 501

Delta R.T. -0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

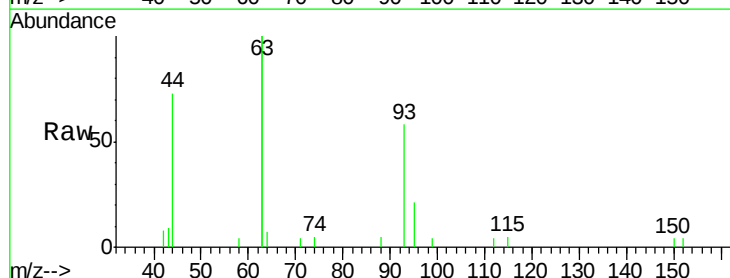
Tgt Ion: 93 Resp: 994

Ion Ratio Lower Upper

93 100

63 324.6 275.3 412.9

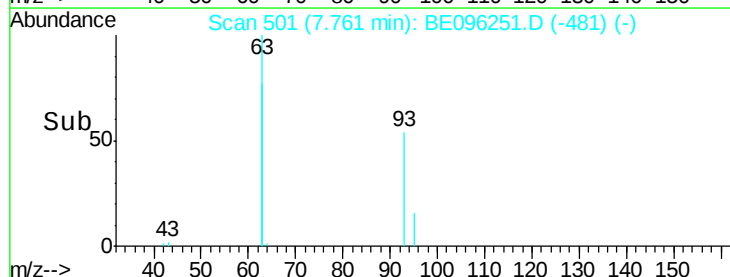
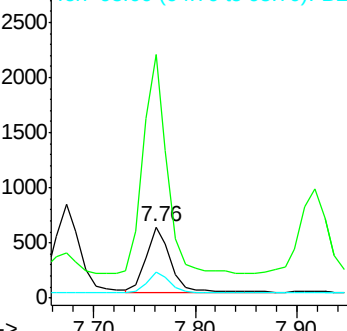
95 31.5 25.2 37.8

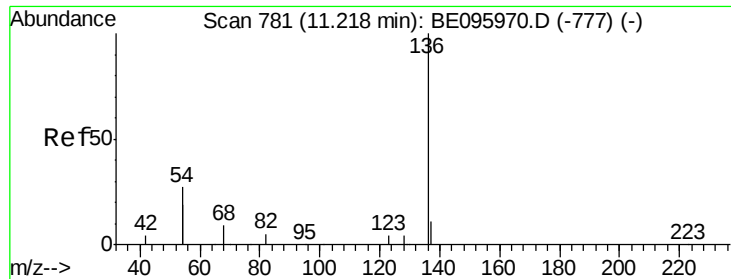


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.19 min Scan# 779

Delta R.T. -0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2666

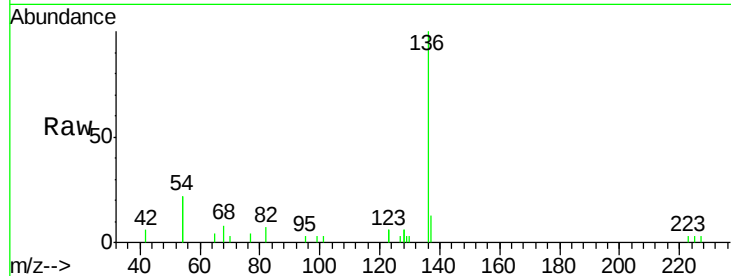
Ion Ratio Lower Upper

136 100

137 13.1 9.5 14.3

54 43.4 29.1 43.7

68 8.3 6.2 9.2

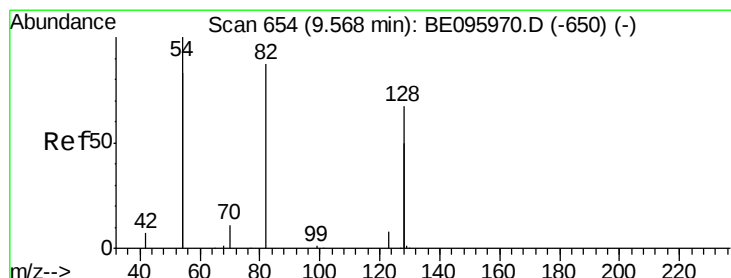
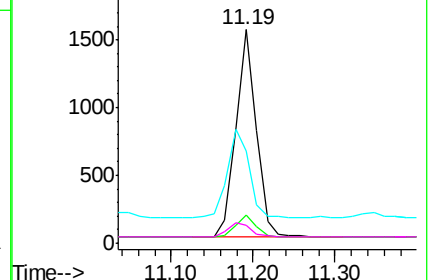
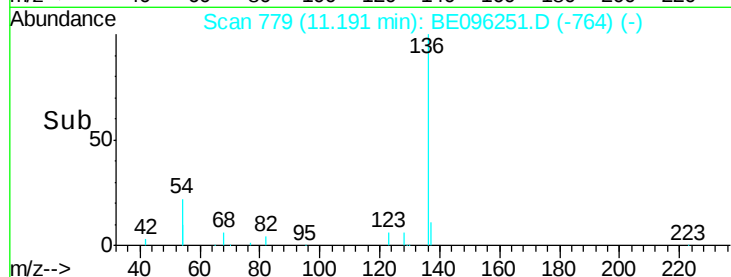


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.035 ng

RT: 9.45 min Scan# 645

Delta R.T. -0.09 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

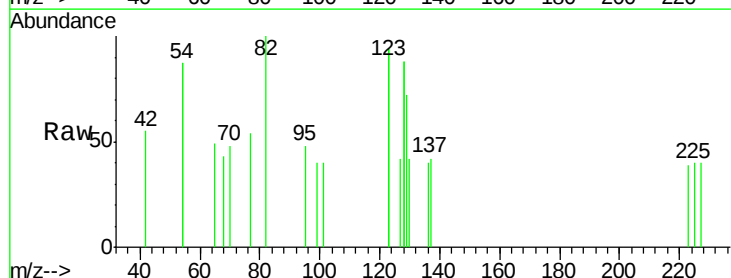
Tgt Ion: 82 Resp: 108

Ion Ratio Lower Upper

82 100

128 176.1 150.0 225.0

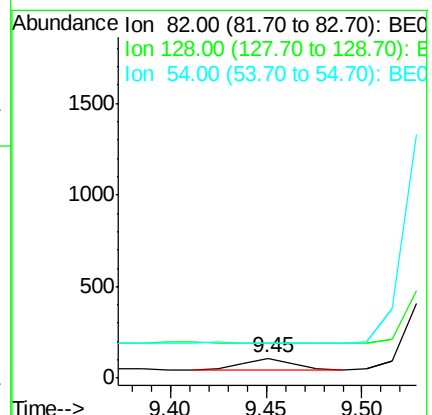
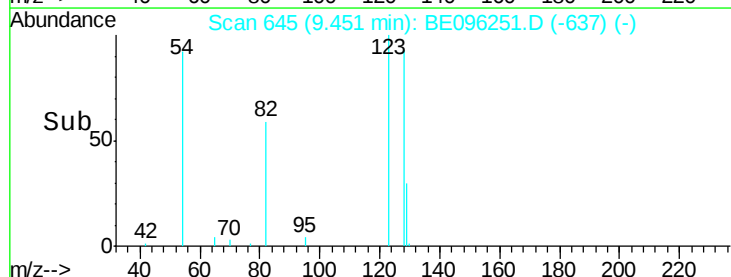
54 174.3 154.2 231.4

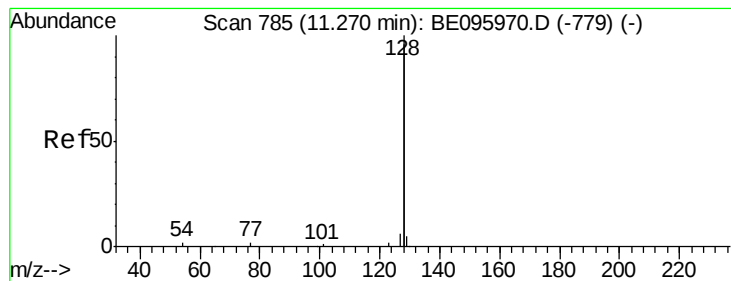


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.381 ng

RT: 11.24 min Scan# 783

Delta R.T. -0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

Instrument :

BNA_E

ClientSampleId :

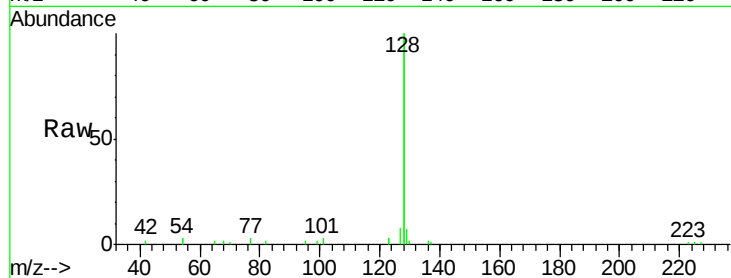
Tot Ion:128 Resp: 10699

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

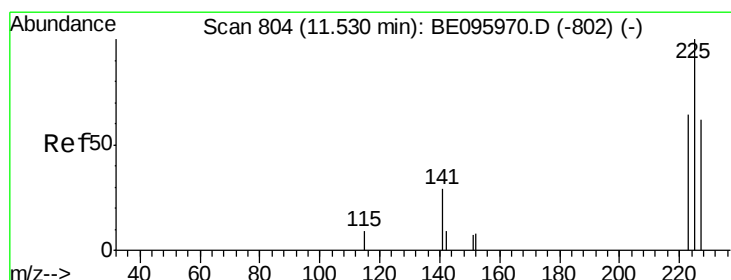
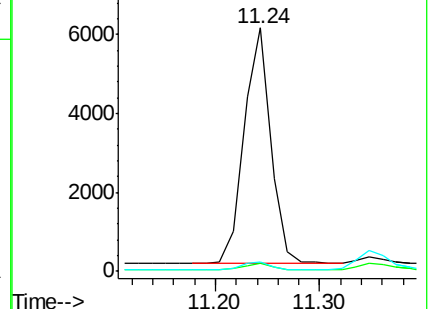
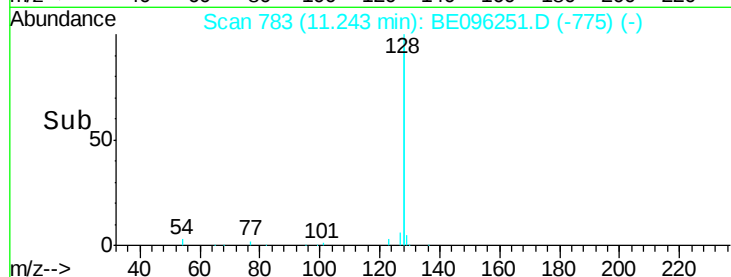
127 3.8 2.8 4.2



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: 0.218 ng

RT: 11.50 min Scan# 803

Delta R.T. -0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

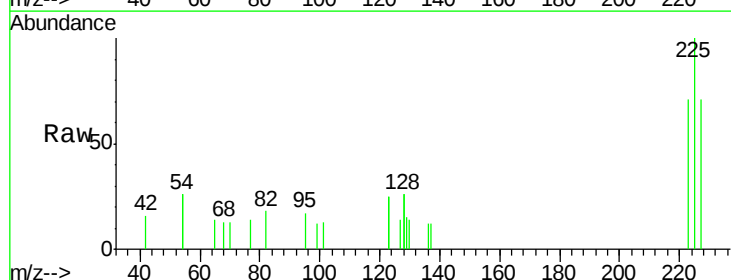
Tgt Ion:225 Resp: 272

Ion Ratio Lower Upper

225 100

223 77.2 53.0 79.6

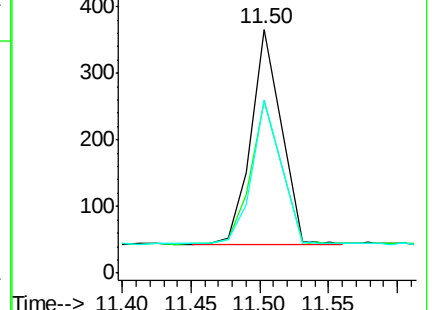
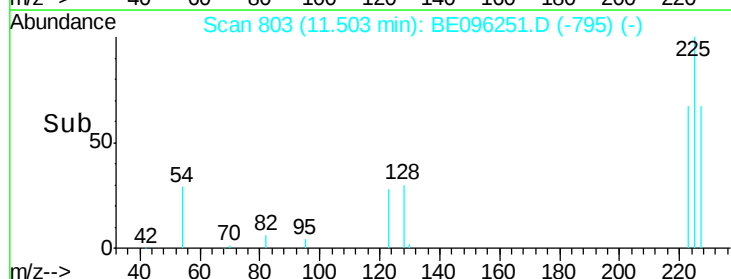
227 75.0 51.4 77.2

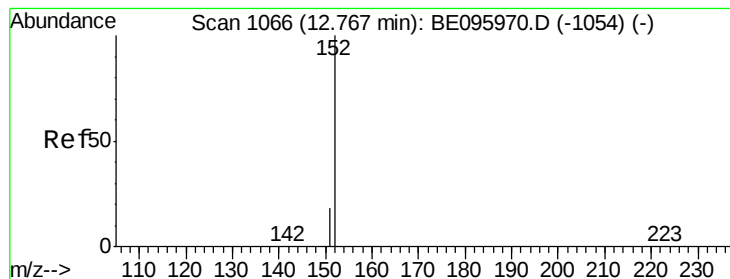


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.365 ng

RT: 12.74 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

Instrument :

BNA_E

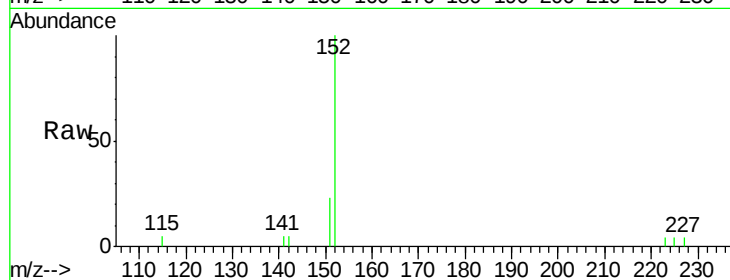
ClientSampleId :

Tot Ion:152 Resp: 1543

Ion Ratio Lower Upper

152 100

151 19.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

1200

1000

800

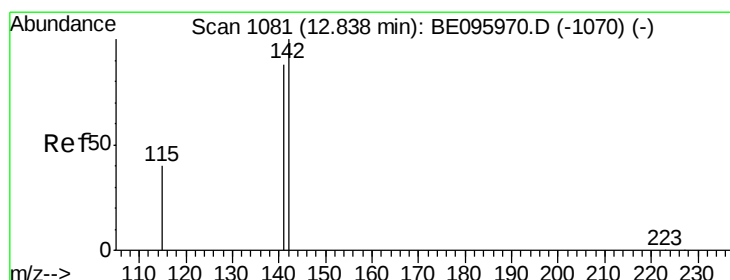
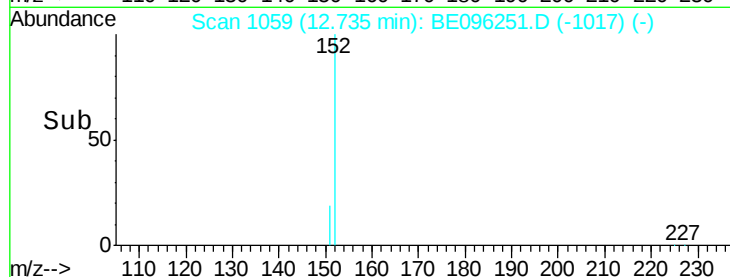
600

400

200

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.373 ng

RT: 12.81 min Scan# 1074

Delta R.T. -0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

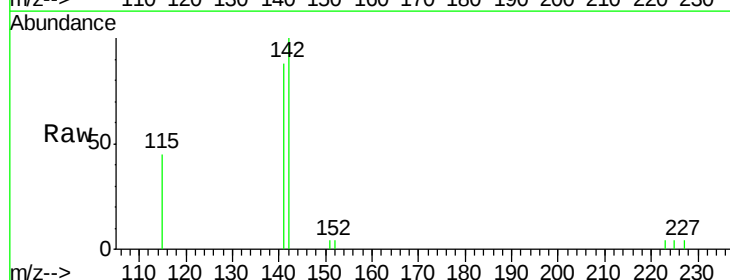
Tgt Ion:142 Resp: 1736

Ion Ratio Lower Upper

142 100

141 88.1 70.4 105.6

115 45.2 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

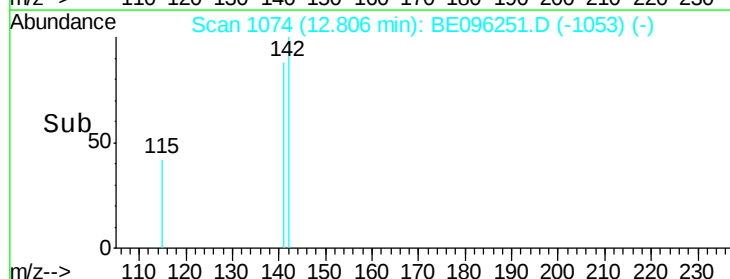
1500

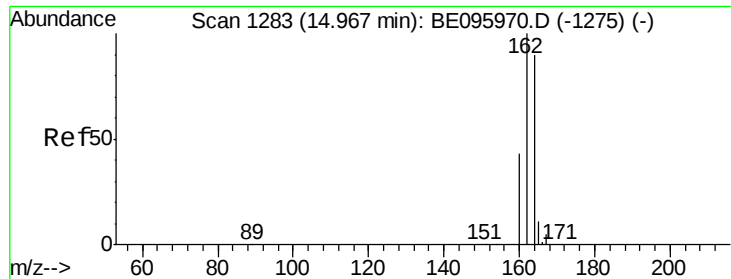
1000

500

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.94 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

Instrument :

BNA_E

ClientSampleId :

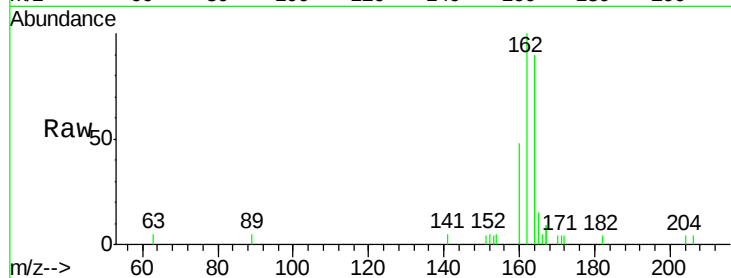
Tot Ion:164 Resp: 1421

Ion Ratio Lower Upper

164 100

162 111.6 83.1 124.7

160 53.1 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

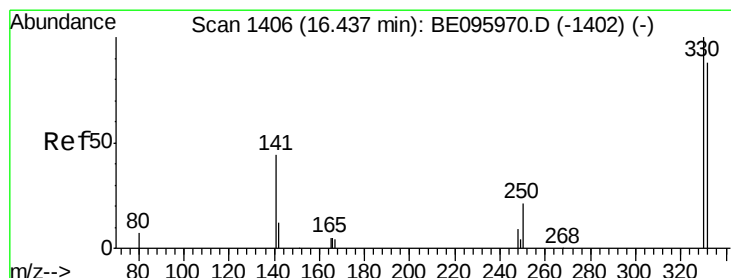
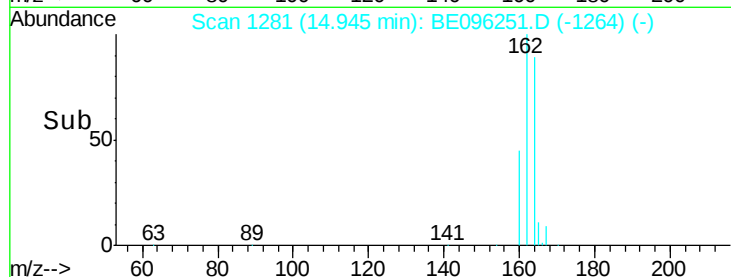
14.94

1000

500

0

Time-->



#14

2,4,6-Tribromophenol

Concen: 0.329 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

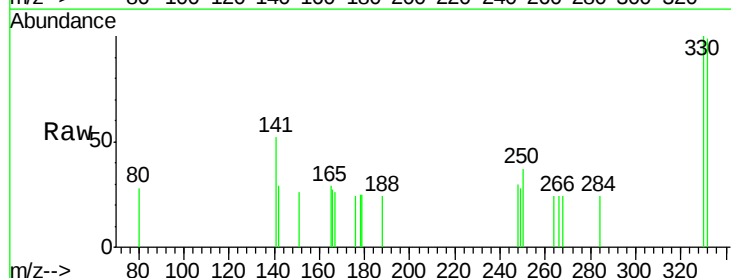
Tgt Ion:330 Resp: 226

Ion Ratio Lower Upper

330 100

332 97.3 152.7 229.1#

141 58.0 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

16.41

250

200

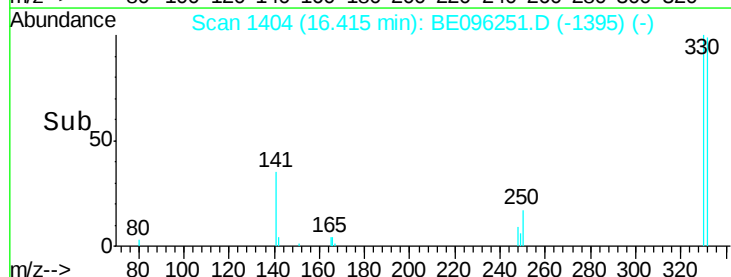
150

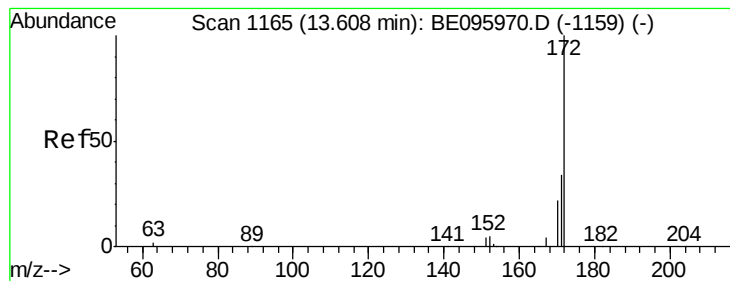
100

50

0

Time-->





#15

2-Fluorobiphenyl

Concen: 0.403 ng

RT: 13.57 min Scan# 1162

Delta R.T. 0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

Instrument :

BNA_E

ClientSampleId :

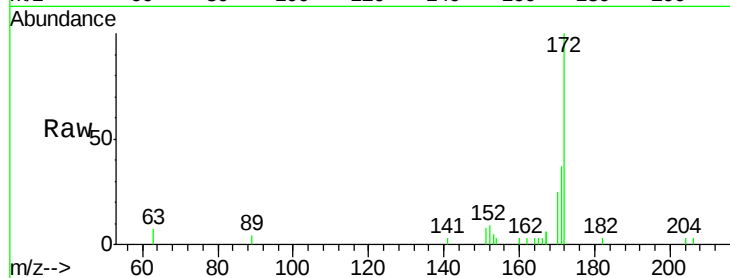
Tot Ion:172 Resp: 2448

Ion Ratio Lower Upper

172 100

171 37.0 29.9 44.9

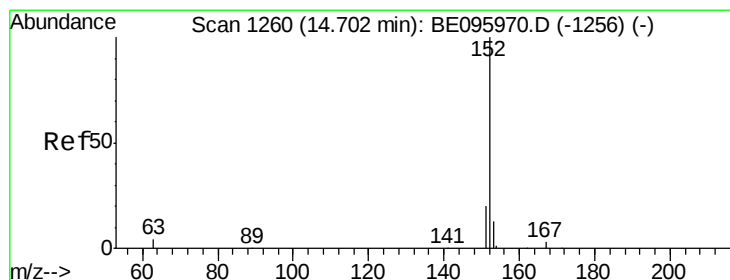
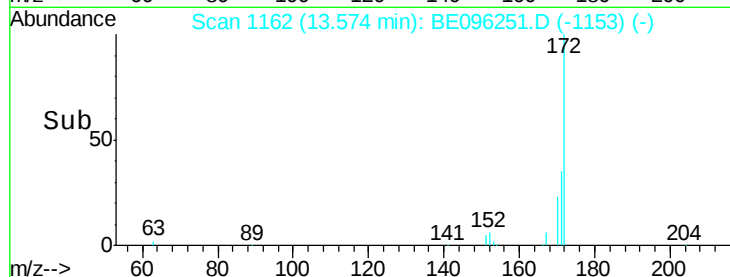
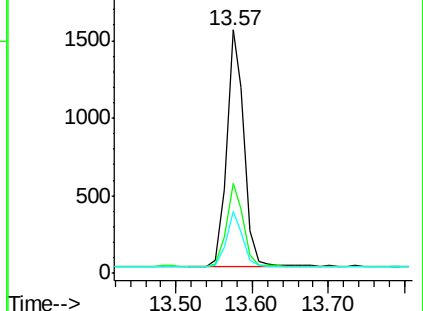
170 25.5 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.395 ng

RT: 14.67 min Scan# 1257

Delta R.T. 0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

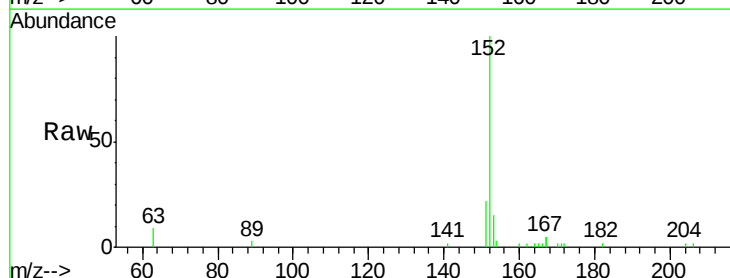
Tgt Ion:152 Resp: 2997

Ion Ratio Lower Upper

152 100

151 19.0 15.7 23.5

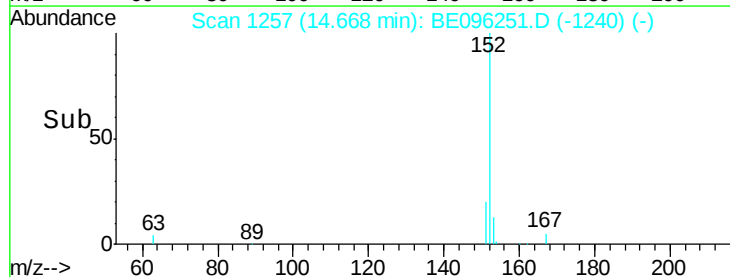
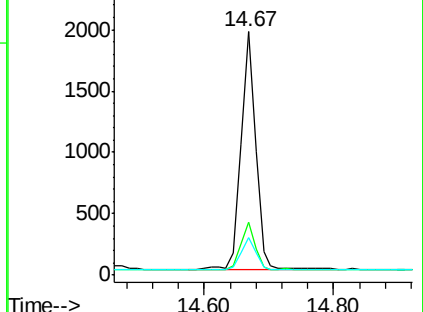
153 13.5 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.394 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

Instrument :

BNA_E

ClientSampleId :

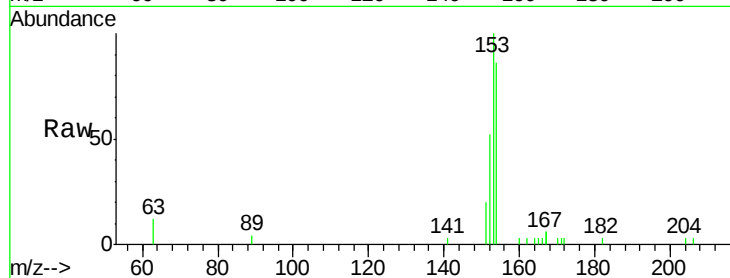
Tot Ion:154 Resp: 1798

Ion Ratio Lower Upper

154 100

153 118.1 89.2 133.8

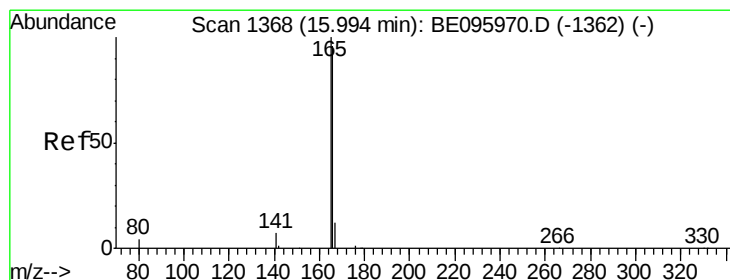
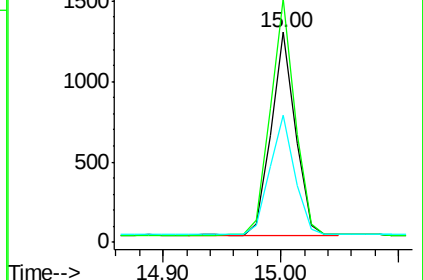
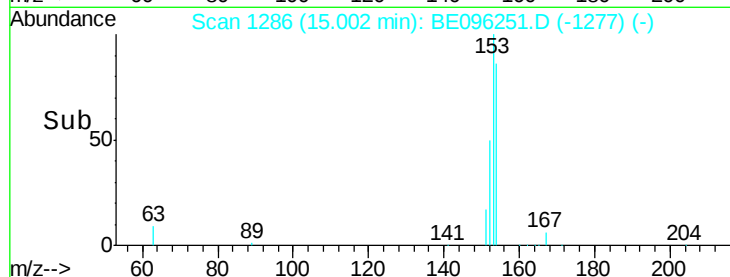
152 60.8 42.0 63.0



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: 0.399 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

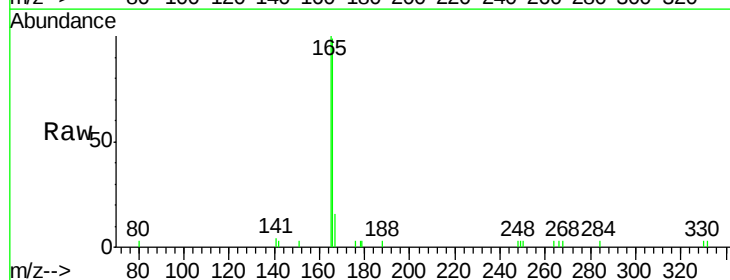
Tgt Ion:166 Resp: 2253

Ion Ratio Lower Upper

166 100

165 101.2 77.8 116.6

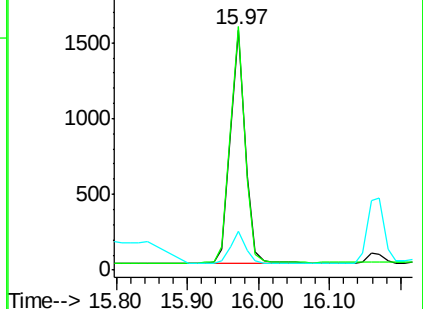
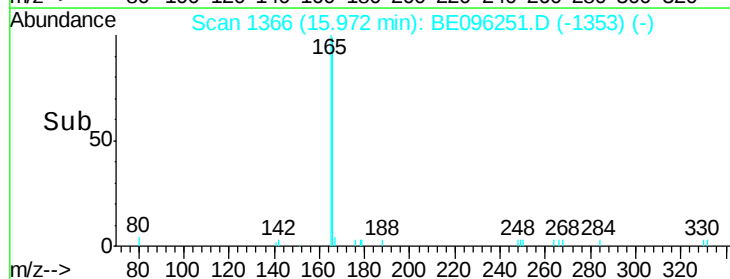
167 13.4 42.4 63.6#



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: BE096251.D

Acq: 1 May 2018 10:45

Instrument :

BNA_E

ClientSampleId :

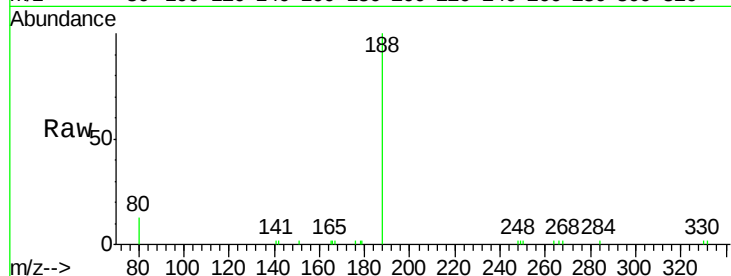
Tot Ion:188 Resp: 3461

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

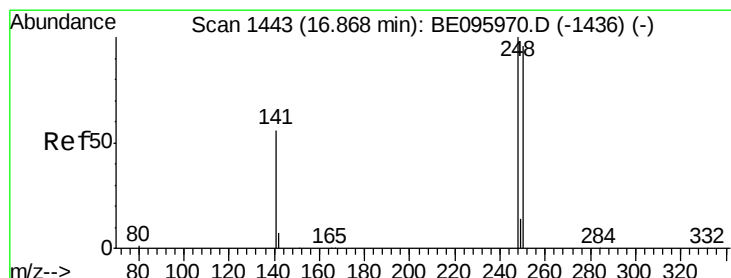
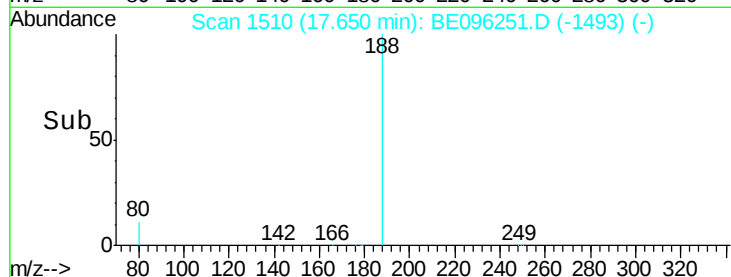
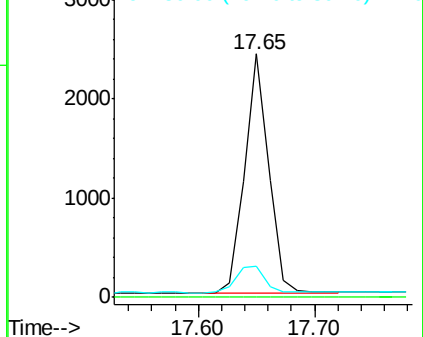
80 12.6 3.6 5.4#



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



#20

4-Bromophenyl-phenylether

Concen: 0.360 ng

RT: 16.83 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

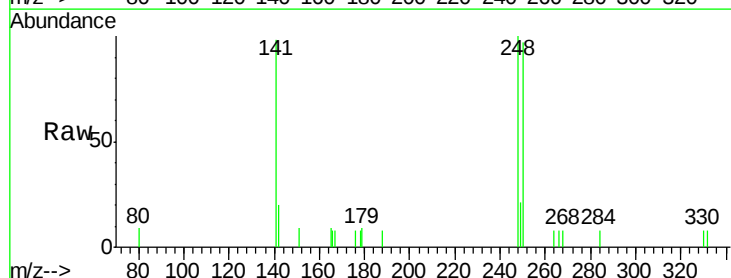
Tgt Ion:248 Resp: 740

Ion Ratio Lower Upper

248 100

250 97.3 62.7 94.1#

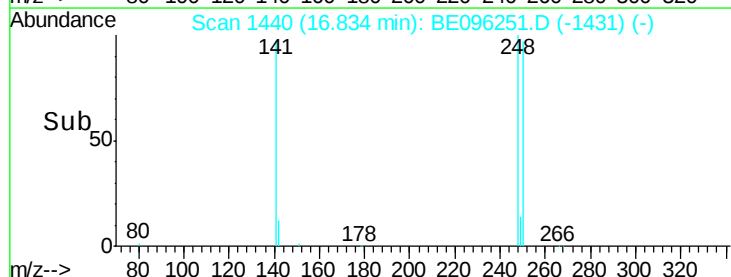
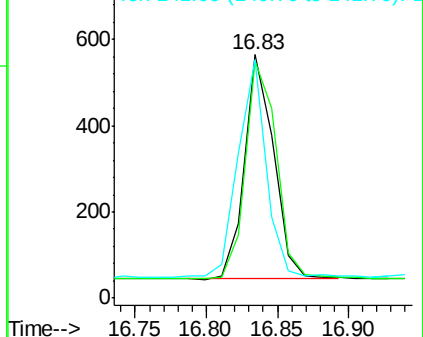
141 98.1 48.2 72.2#



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





#21

Hexachlorobenzene

Concen: 0.381 ng

RT: 16.96 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

Instrument :

BNA_E

ClientSampleId :

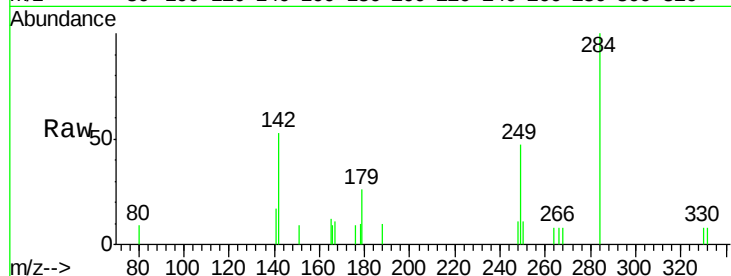
Tot Ion:284 Resp: 781

Ion Ratio Lower Upper

284 100

142 45.8 22.1 33.1#

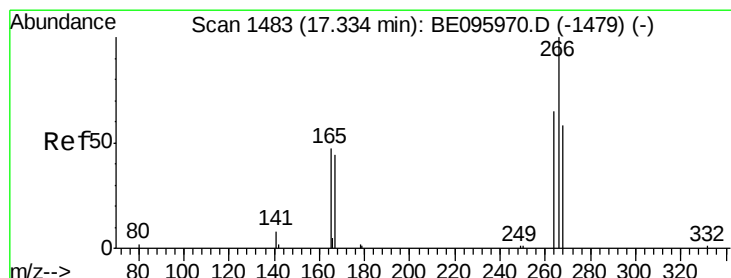
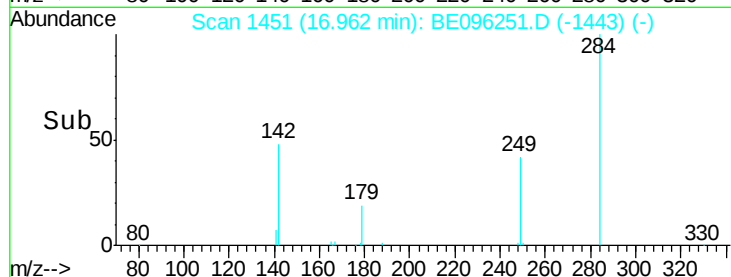
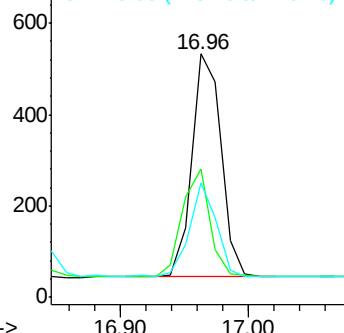
249 39.2 34.8 52.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.466 ng

RT: 17.31 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

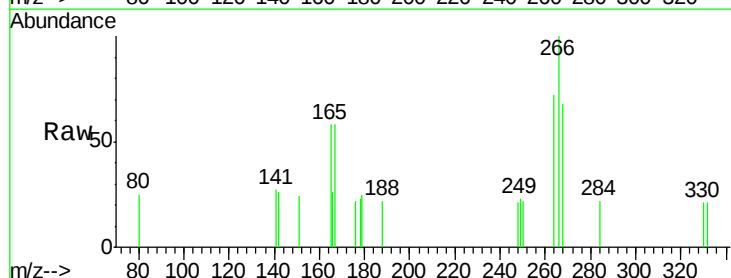
Tgt Ion:266 Resp: 312

Ion Ratio Lower Upper

266 100

264 72.0 72.5 108.7#

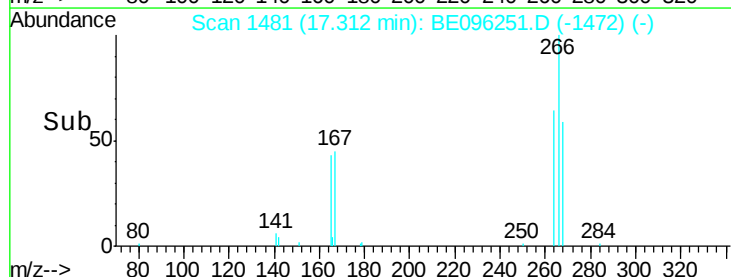
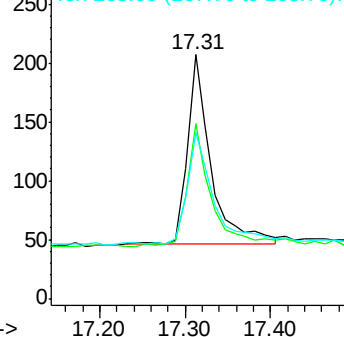
268 68.1 73.8 110.6#

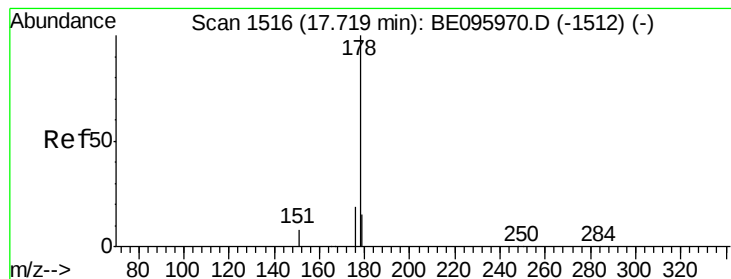


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.382 ng

RT: 17.69 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

Instrument :

BNA_E

ClientSampleId :

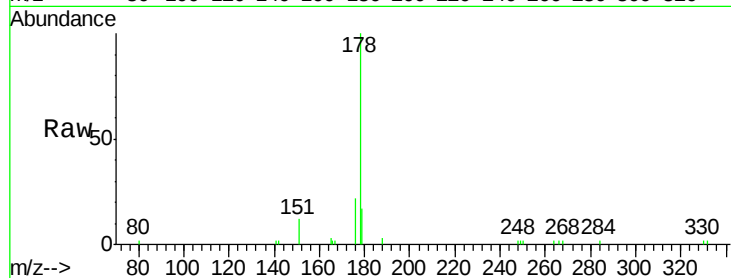
Tot Ion:178 Resp: 3712

Ion Ratio Lower Upper

178 100

176 20.2 15.1 22.7

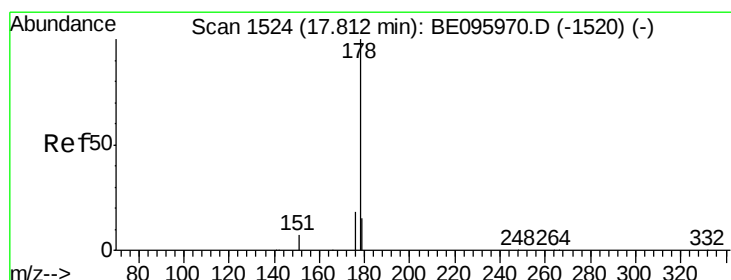
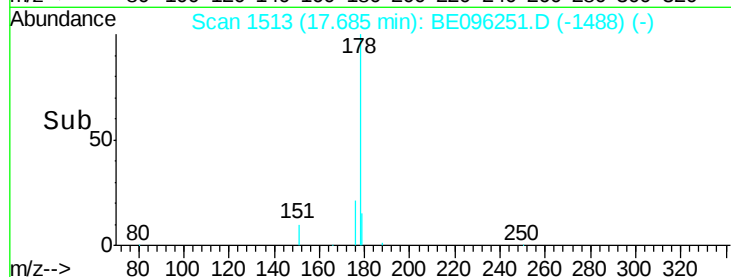
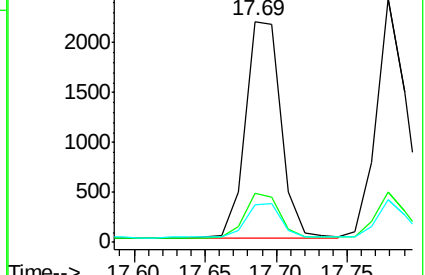
179 15.3 11.8 17.6



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



#24

Anthracene

Concen: 0.375 ng

RT: 17.78 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

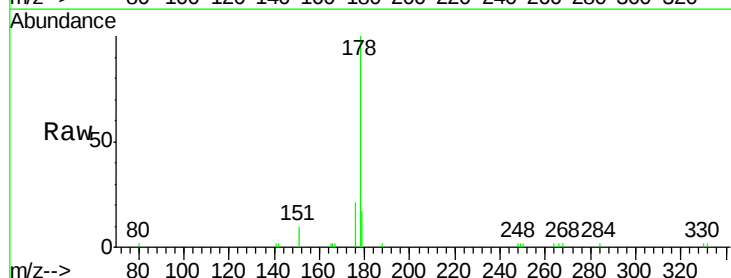
Tgt Ion:178 Resp: 3485

Ion Ratio Lower Upper

178 100

176 19.2 12.8 19.2#

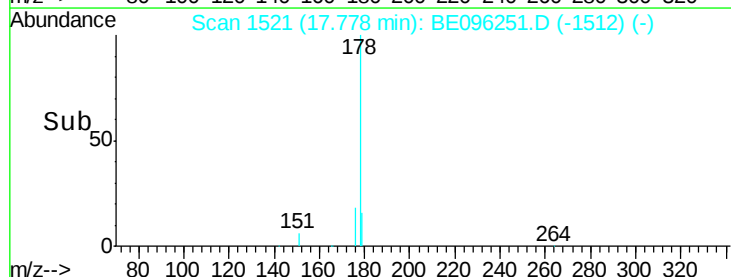
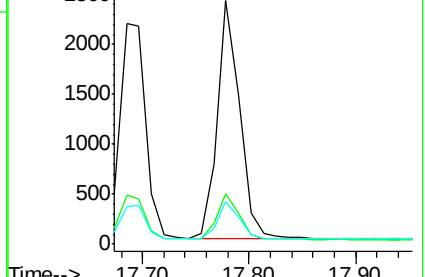
179 15.4 13.0 19.6

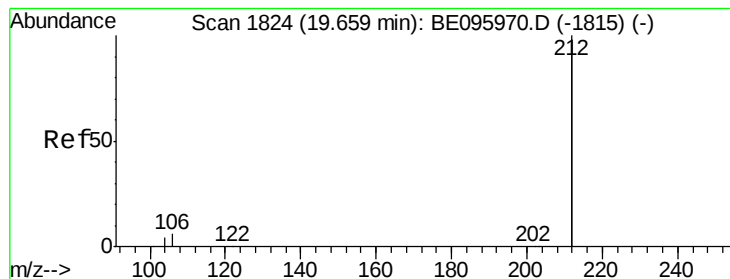


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.350 ng

RT: 19.64 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

Instrument :

BNA_E

ClientSampleId :

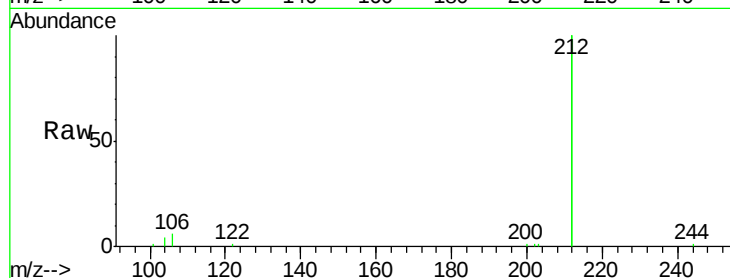
Tot Ion:212 Resp: 16452

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

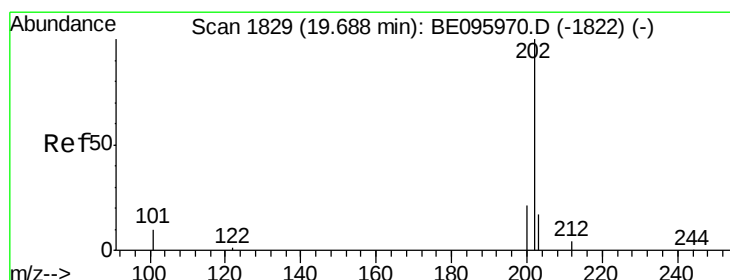
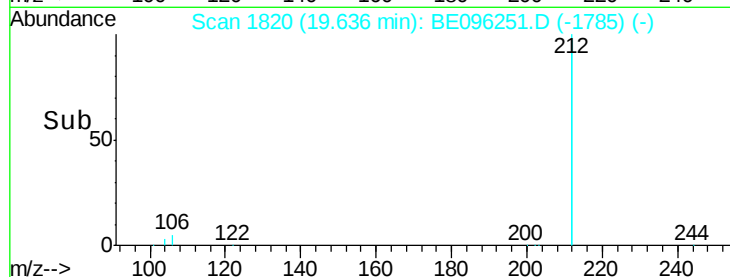
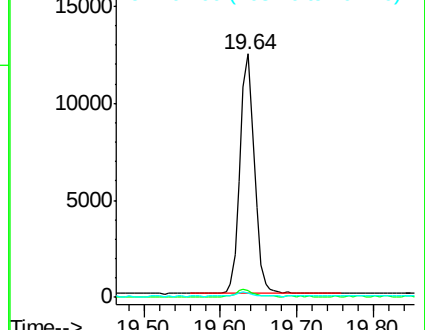
104 1.9 1.6 2.4



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: 0.362 ng

RT: 19.66 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

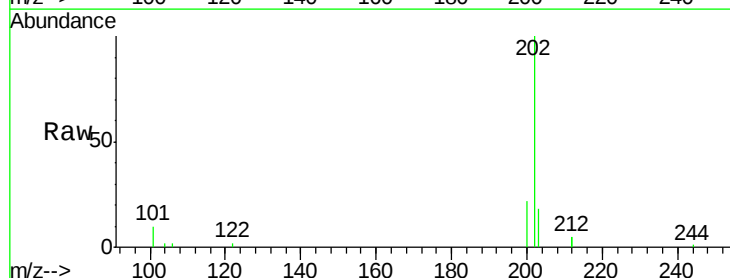
Tgt Ion:202 Resp: 4629

Ion Ratio Lower Upper

202 100

101 10.5 9.8 14.8

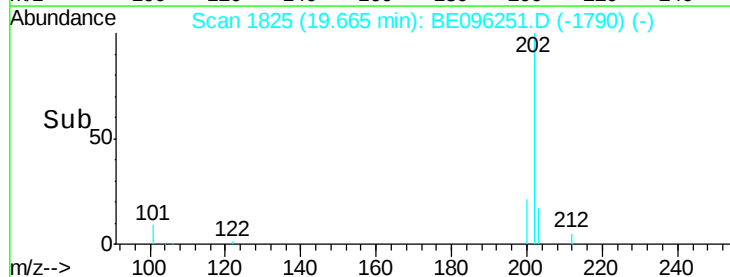
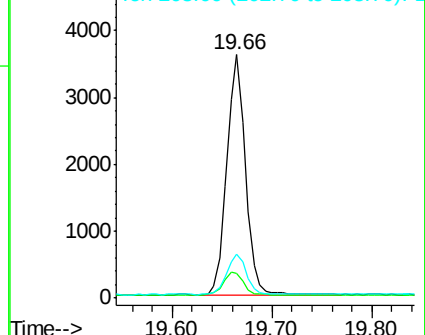
203 17.3 13.7 20.5



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: BE096251.D

Acq: 1 May 2018 10:45

Instrument :

BNA_E

ClientSampleId :

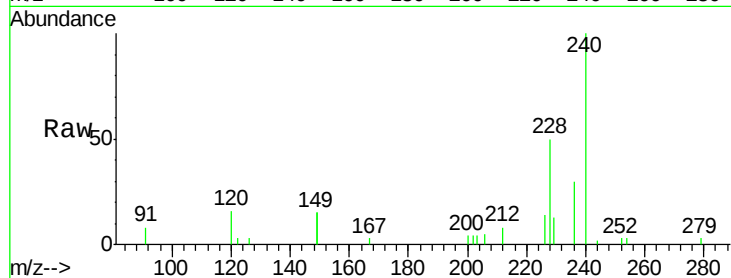
Tot Ion:240 Resp: 3477

Ion Ratio Lower Upper

240 100

120 16.0 5.5 8.3#

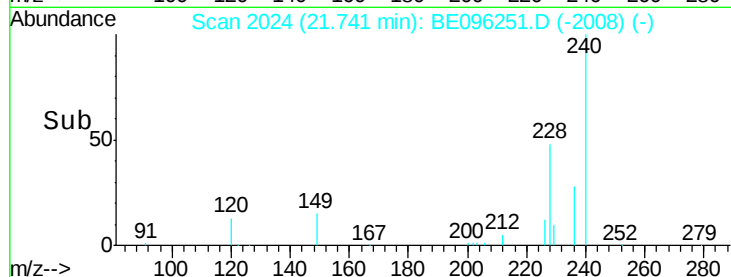
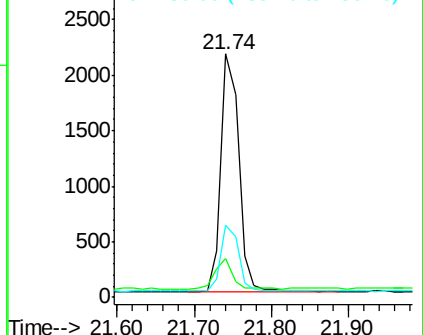
236 29.6 20.7 31.1



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: 0.031 ng

RT: 20.00 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

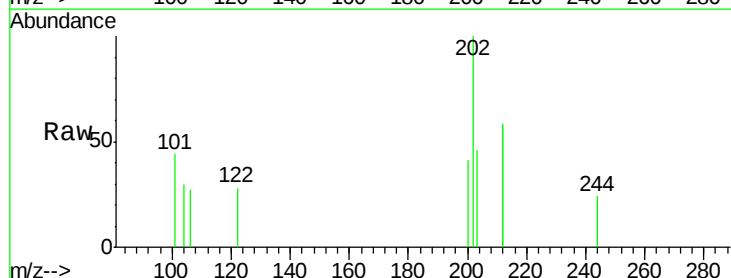
Tgt Ion:202 Resp: 209

Ion Ratio Lower Upper

202 100

200 27.3 16.6 25.0#

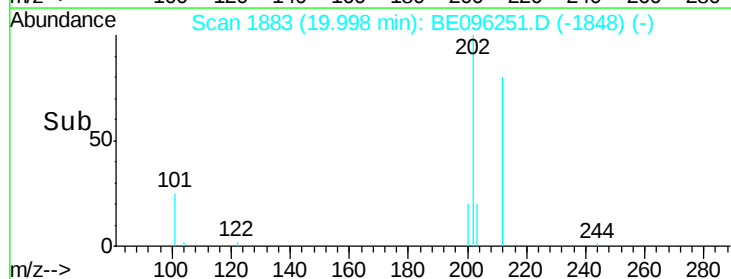
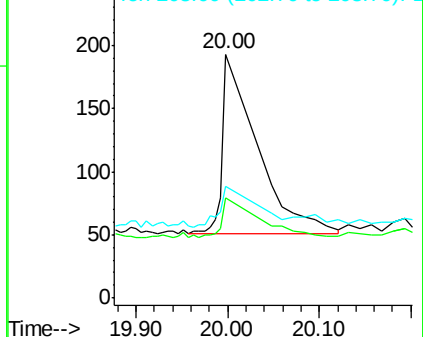
203 28.2 13.8 20.8#



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: 0.370 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

Instrument :

BNA_E

ClientSampleId :

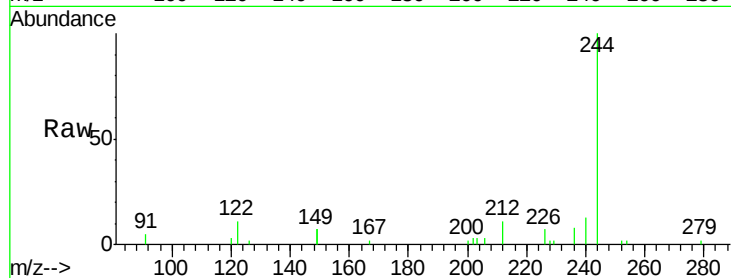
Tot Ion:244 Resp: 2842

Ion Ratio Lower Upper

244 100

212 11.1 25.4 38.0#

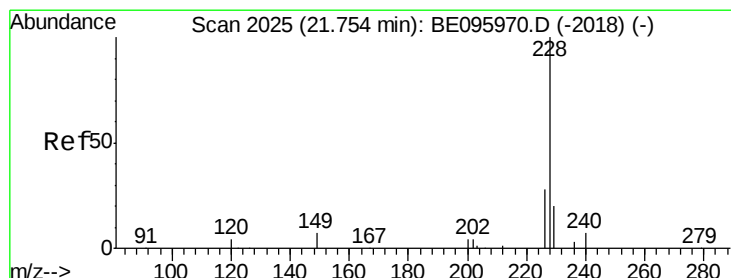
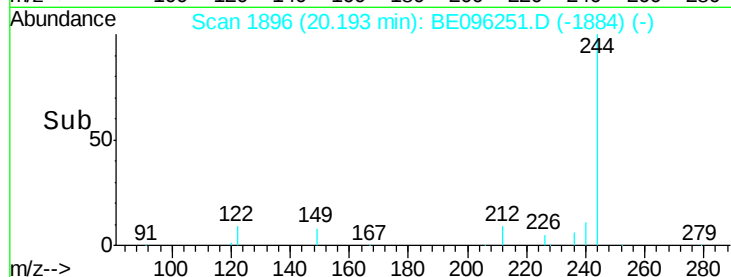
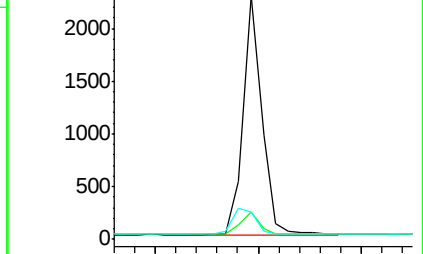
122 11.0 8.1 12.1



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: 0.379 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

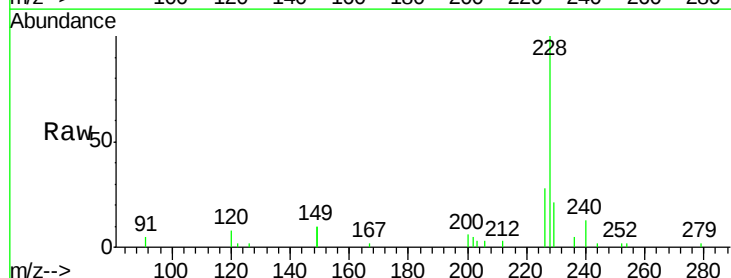
Tgt Ion:228 Resp: 4228

Ion Ratio Lower Upper

228 100

226 27.6 24.0 36.0

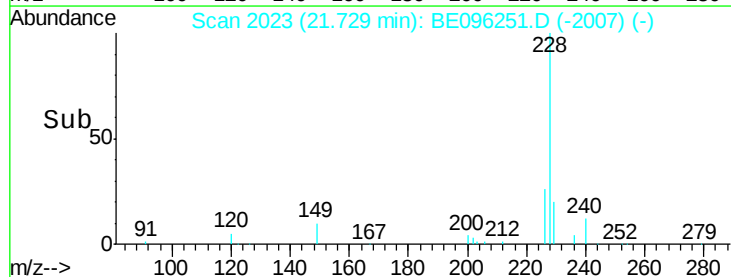
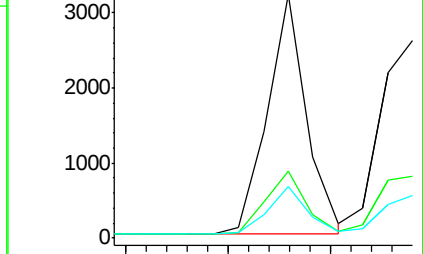
229 21.3 16.0 24.0



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: 0.393 ng

RT: 21.79 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

Instrument :

BNA_E

ClientSampleId :

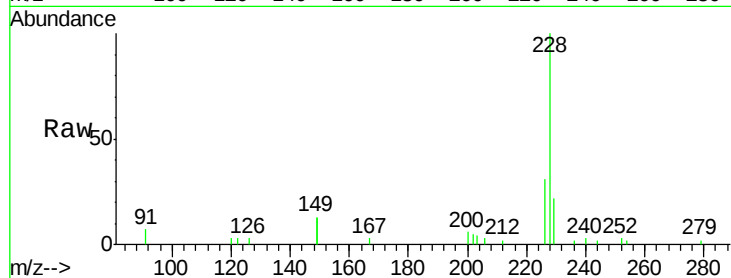
Tot Ion:228 Resp: 4237

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.0	36.0
229	21.8	16.0	24.0

228 100

226 31.2 24.0 36.0

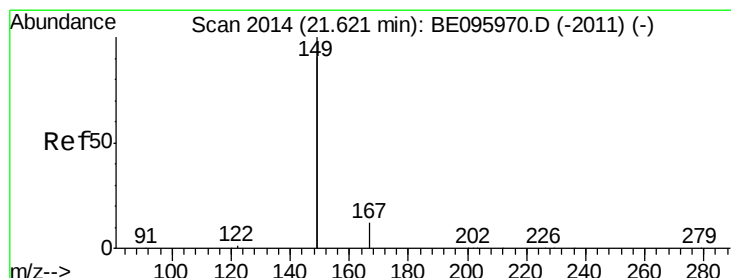
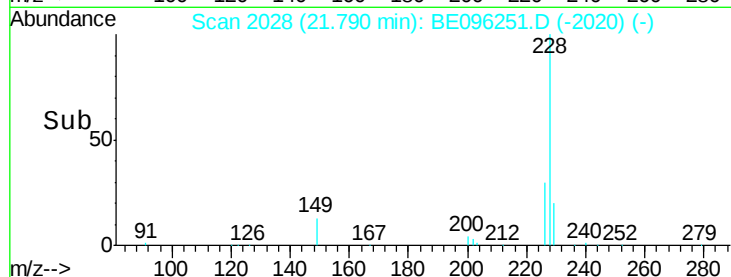
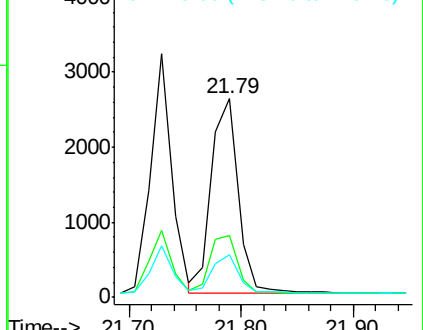
229 21.8 16.0 24.0



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: 0.390 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

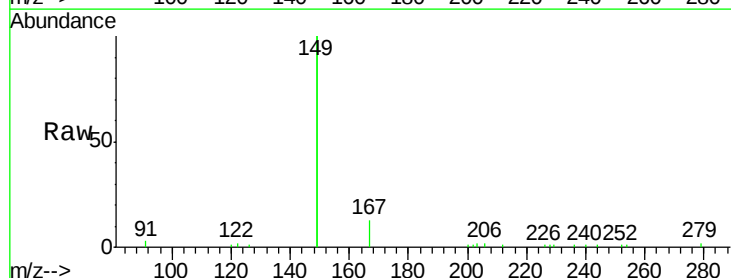
Tgt Ion:149 Resp: 11220

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	0.9	0.7	1.1

149 100

167 6.5 5.4 8.0

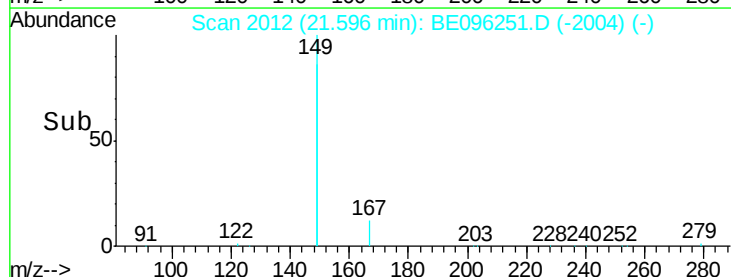
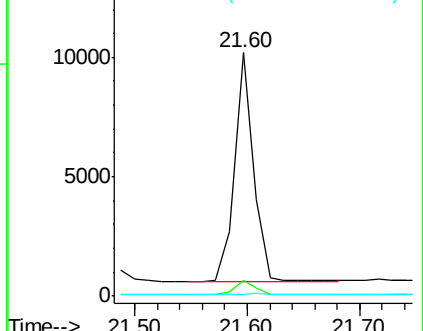
279 0.9 0.7 1.1



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

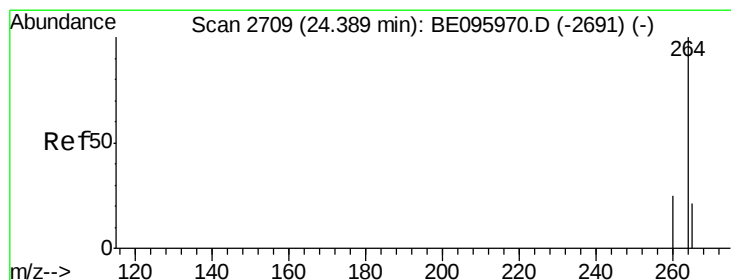
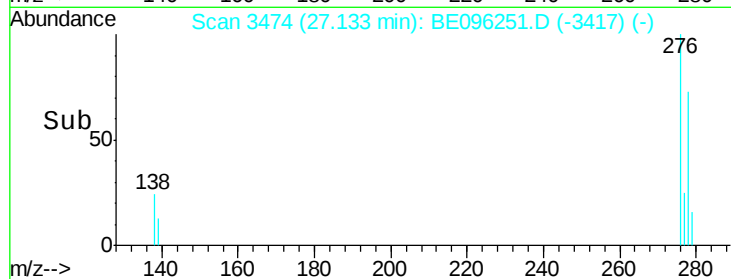
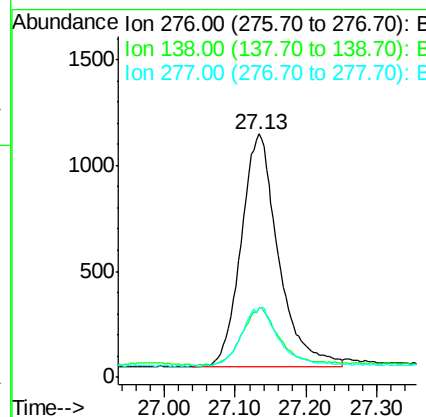
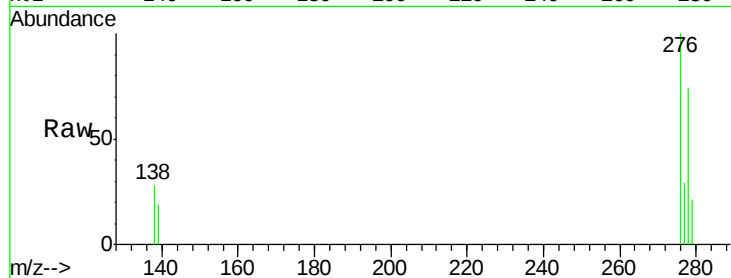




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.389 ng
 RT: 27.13 min Scan# 3474
 Delta R.T. 0.00 min
 Lab File: BE096251.D
 Acq: 1 May 2018 10:45

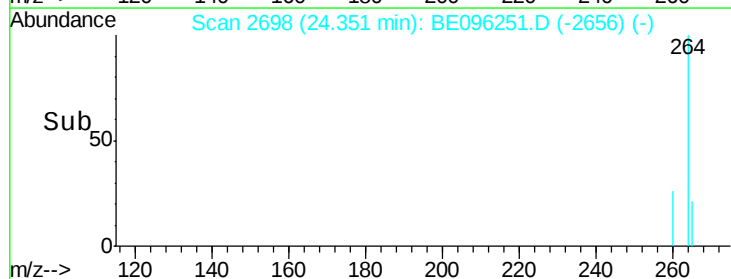
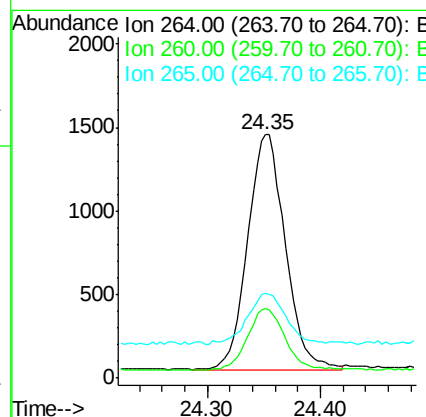
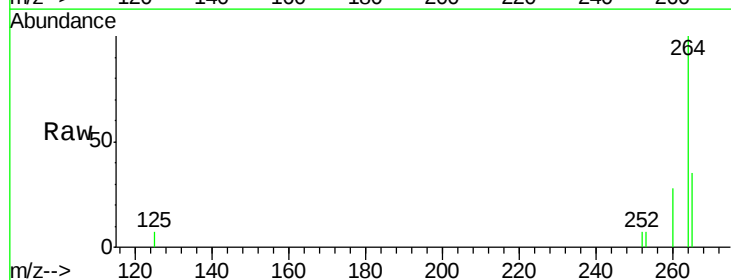
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 4067
 Ion Ratio Lower Upper
 276 100
 138 24.4 22.5 33.7
 277 25.5 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: BE096251.D
 Acq: 1 May 2018 10:45

Tgt Ion:264 Resp: 3248
 Ion Ratio Lower Upper
 264 100
 260 28.5 20.5 30.7
 265 34.9 22.8 34.2#





#35

Benzo(b)fluoranthene

Concen: 0.400 ng

RT: 23.54 min Scan# 2471

Delta R.T. -0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

Instrument :

BNA_E

ClientSampleId :

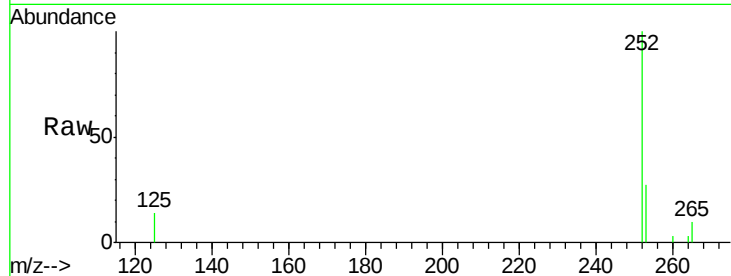
Tot Ion:252 Resp: 3896

Ion Ratio Lower Upper

252 100

253 27.0 20.0 30.0

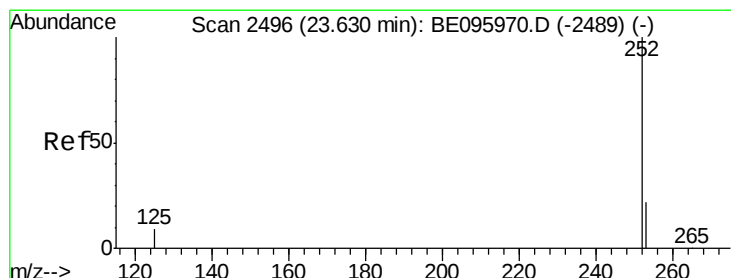
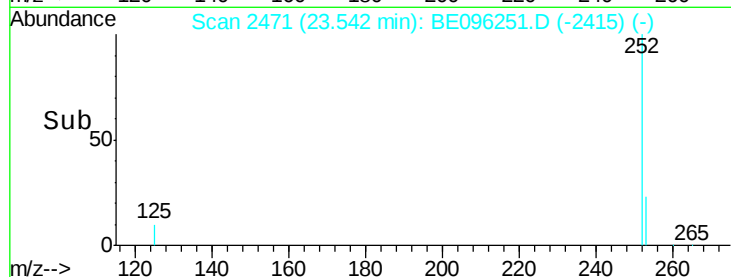
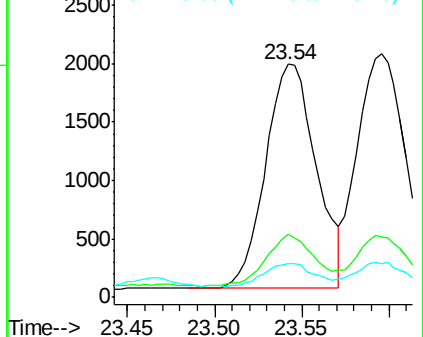
125 14.4 16.0 24.0#



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: 0.393 ng

RT: 23.60 min Scan# 2486

Delta R.T. -0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

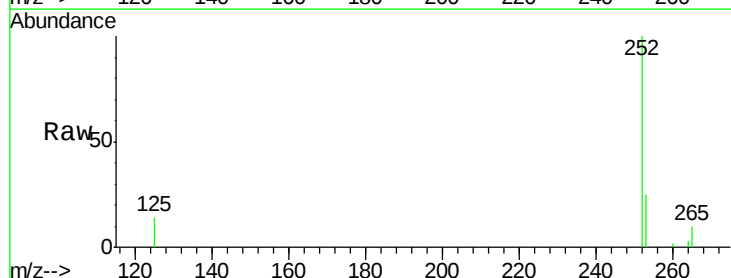
Tgt Ion:252 Resp: 3935

Ion Ratio Lower Upper

252 100

253 24.6 16.0 24.0#

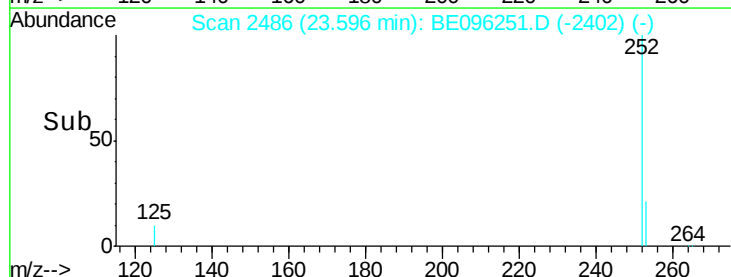
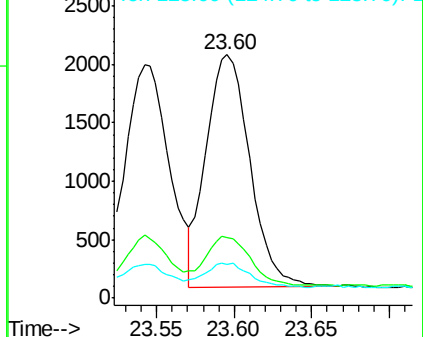
125 13.9 8.0 12.0#



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: 0.395 ng

RT: 24.24 min Scan# 2666

Delta R.T. 0.00 min

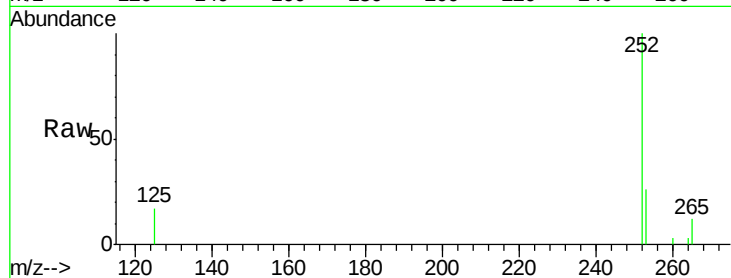
Lab File: BE096251.D

Acq: 1 May 2018 10:45

Instrument :

BNA_E

ClientSampleId :



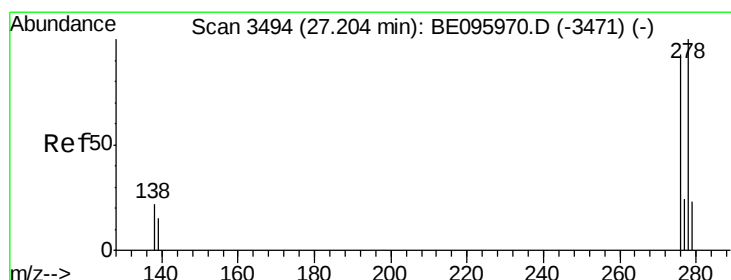
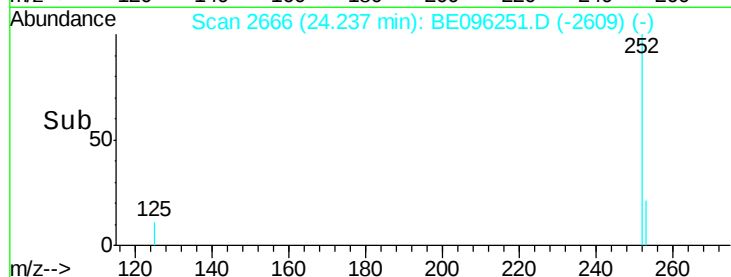
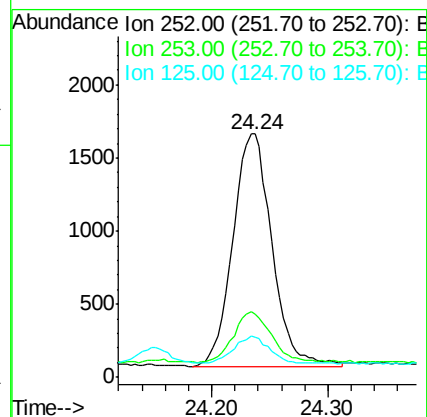
Tot Ion:252 Resp: 3696

Ion Ratio Lower Upper

252 100

253 25.9 16.0 24.0#

125 16.7 12.0 18.0



#38

Dibenzo(a,h)anthracene

Concen: 0.406 ng

RT: 27.14 min Scan# 3477

Delta R.T. 0.00 min

Lab File: BE096251.D

Acq: 1 May 2018 10:45

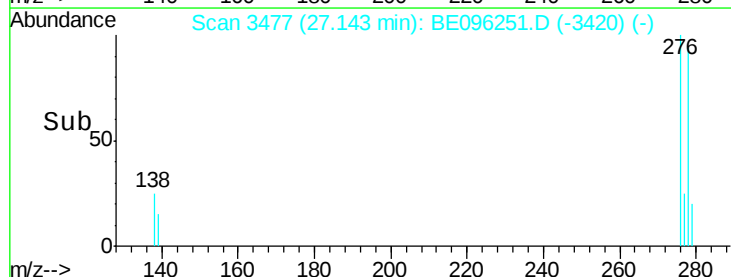
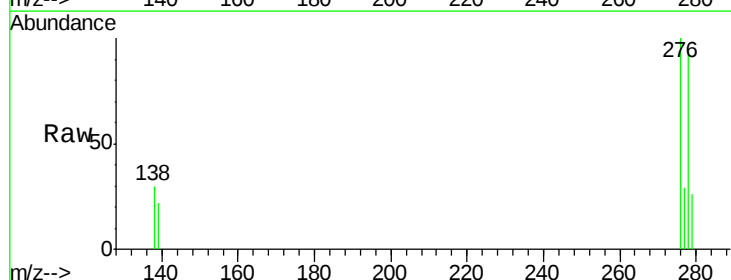
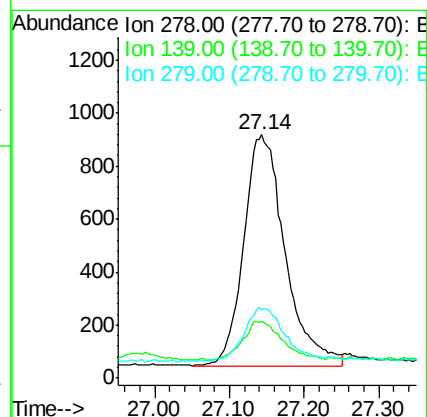
Tgt Ion:278 Resp: 3348

Ion Ratio Lower Upper

278 100

139 23.2 16.0 24.0

279 27.9 20.0 30.0





#39

Benzo(a,h,i)perylene

Concen: 0.391 ng

RT: 28.00 min Scan# 3716

Delta R.T. 0.00 min

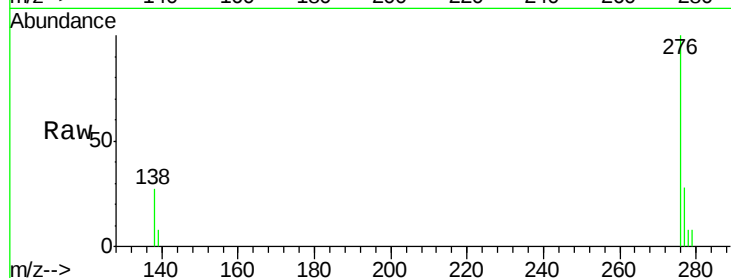
Lab File: BE096251.D

Acq: 1 May 2018 10:45

Instrument :

BNA_E

ClientSampleId :



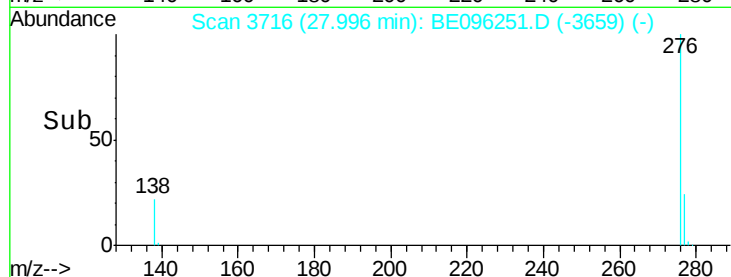
Tot Ion: 276 Resp: 3417

Ion Ratio Lower Upper

276 100

277 27.9 16.0 24.0#

138 27.2 20.0 30.0



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

