

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE100818\
 Data File : BE097795.D
 Acq On : 8 Oct 2018 15:35
 Operator : SJ/JU
 Sample : PB113550BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB113550BS

Quant Time: Oct 09 06:57:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE100318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 06:37:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	4988	0.40	ng	-0.01
7) Naphthalene-d8	10.69	136	19049	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	8990	0.40	ng	-0.02
19) Phenanthrene-d10	17.29	188	20642	0.40	ng	-0.01
27) Chrysene-d12	21.48	240	21693	0.40	ng	-0.01
34) Perylene-d12	24.02	264	22820	0.40	ng	-0.02

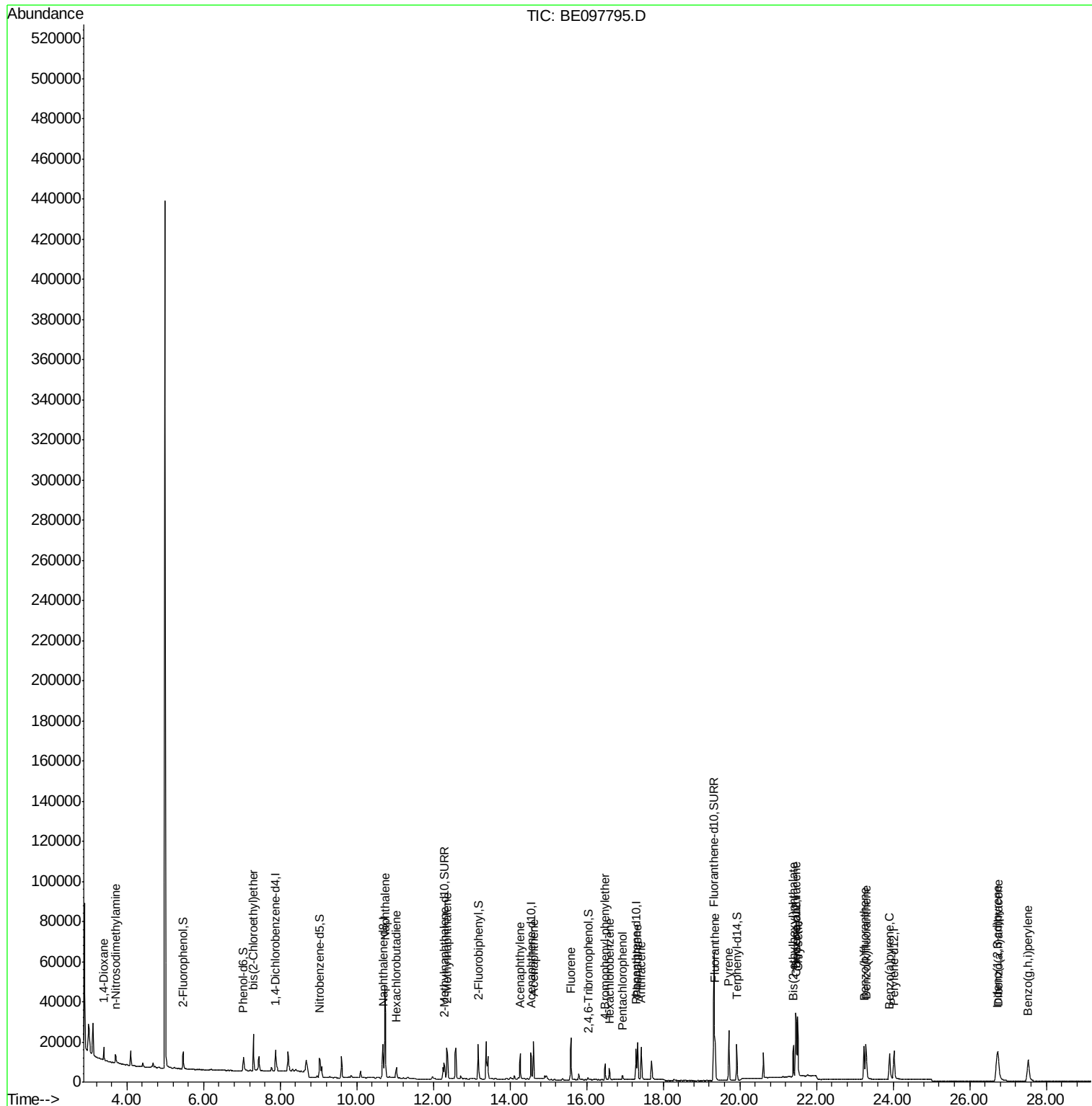
System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	4767	0.40	ng	0.00
5) Phenol-d6	7.04	99	6253	0.35	ng	0.00
8) Nitrobenzene-d5	9.03	82	4190	0.68	ng	-0.01
11) 2-Methylnaphthalene-d10	12.28	152	14975	0.49	ng	-0.02
14) 2,4,6-Tribromophenol	16.03	330	645	0.40	ng	-0.01
15) 2-Fluorobiphenyl	13.17	172	16822	0.42	ng	-0.02
25) Fluoranthene-d10	19.32	212	91332	0.35	ng	0.00
29) Terphenyl-d14	19.92	244	16080	0.36	ng	-0.01

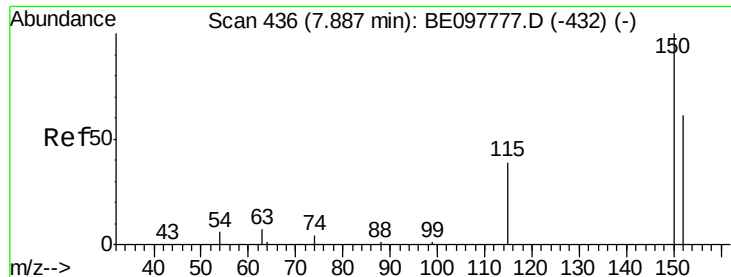
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.40	88	3737	0.376	ng	# 92
3) n-Nitrosodimethylamine	3.70	42	3444	0.381	ng	# 85
6) bis(2-Chloroethyl)ether	7.31	93	6414	0.343	ng	96
9) Naphthalene	10.73	128	77980	0.406	ng	100
10) Hexachlorobutadiene	11.03	225	3850	0.378	ng	98
12) 2-Methylnaphthalene	12.35	142	12406	0.404	ng	96
16) Acenaphthylene	14.27	152	15602	0.392	ng	99
17) Acenaphthene	14.61	154	9946	0.390	ng	98
18) Fluorene	15.59	166	13032	0.385	ng	99
20) 4-Bromophenyl-phenylether	16.49	248	4349	0.402	ng	96
21) Hexachlorobenzene	16.59	284	4484	0.368	ng	96
22) Pentachlorophenol	16.94	266	1380	0.722	ng	93
23) Phenanthrene	17.33	178	21974	0.413	ng	99
24) Anthracene	17.42	178	18366	0.400	ng	98
26) Fluoranthene	19.35	202	24298	0.359	ng	100
28) Pyrene	19.71	202	23977	0.435	ng	100
30) Benzo(a)anthracene	21.46	228	24395	0.418	ng	99
31) Chrysene	21.51	228	28000	0.429	ng	99
32) Bis(2-ethylhexyl)phthalate	21.40	149	18116	0.425	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.71	276	30440	0.538	ng	98
35) Benzo(b)fluoranthene	23.24	252	25865	0.413	ng	98
36) Benzo(k)fluoranthene	23.29	252	29104	0.419	ng	99
37) Benzo(a)pyrene	23.91	252	23797	0.420	ng	98
38) Dibenzo(a,h)anthracene	26.74	278	26029	0.466	ng	96
39) Benzo(g,h,i)perylene	27.53	276	28711	0.491	ng	99

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

```
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Acq On    : 8 Oct 2018 15:35  
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QLast Update : Mon Oct 08 06:37:06 2018
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.88 min Scan# 436

Delta R.T. -0.01 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

Instrument :

BNA_E

ClientSampleId :

PB113550BS

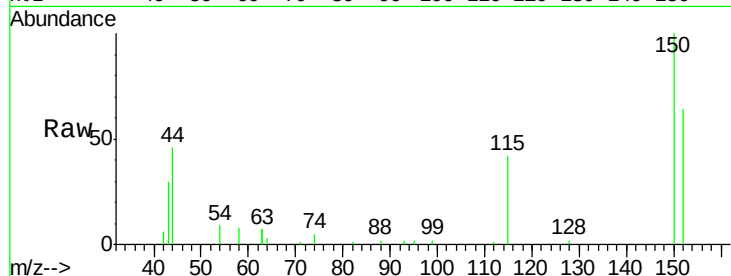
Tgt Ion:152 Resp: 4988

Ion Ratio Lower Upper

152 100

150 157.1 120.9 181.3

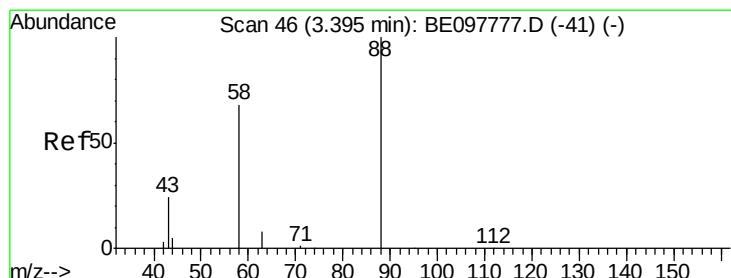
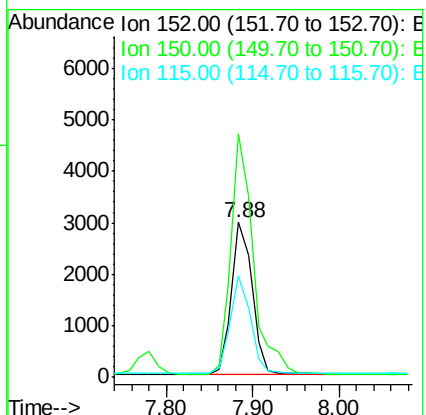
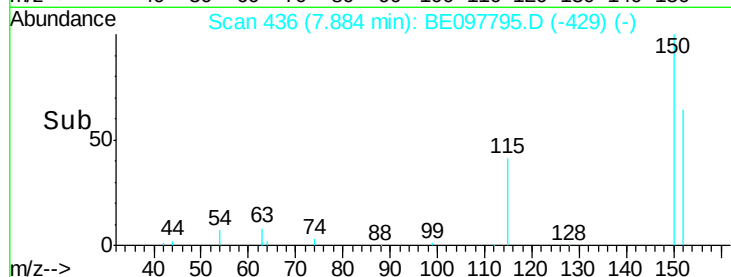
115 65.9 46.6 69.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.376 ng

RT: 3.40 min Scan# 47

Delta R.T. 0.01 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

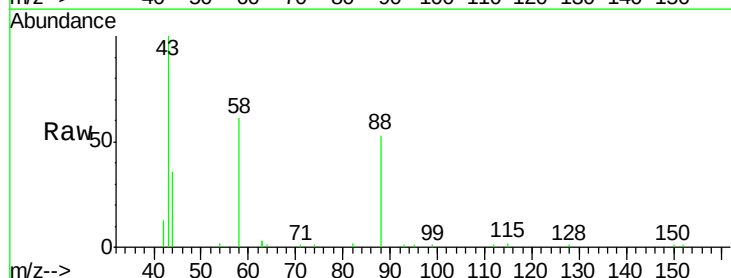
Tgt Ion: 88 Resp: 3737

Ion Ratio Lower Upper

88 100

58 94.1 70.8 106.2

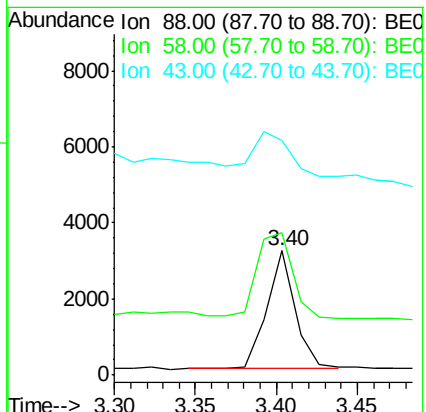
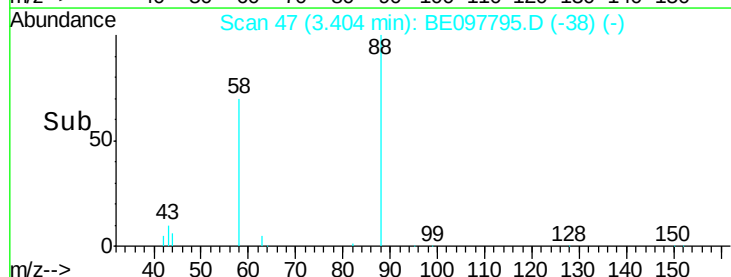
43 50.0 33.3 49.9#

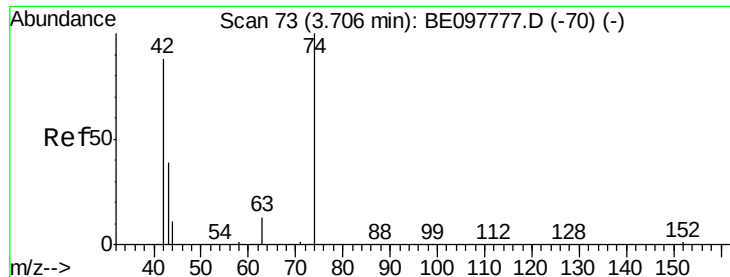


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.381 ng

RT: 3.70 min Scan# 73

Delta R.T. -0.00 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

Instrument :

BNA_E

ClientSampleId :

PB113550BS

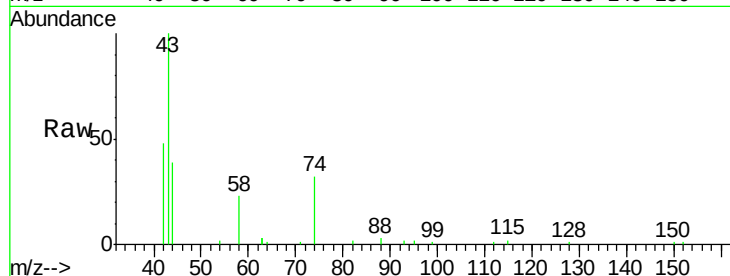
Tgt Ion: 42 Resp: 3444

Ion Ratio Lower Upper

42 100

74 100.2 70.7 106.1

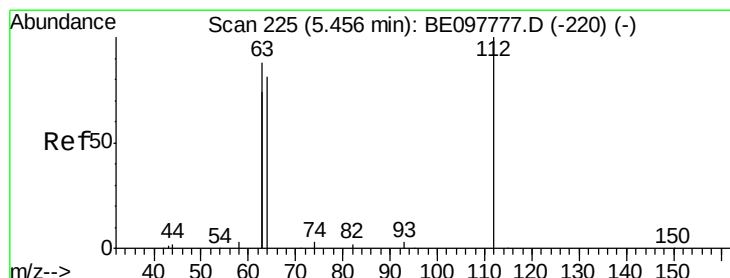
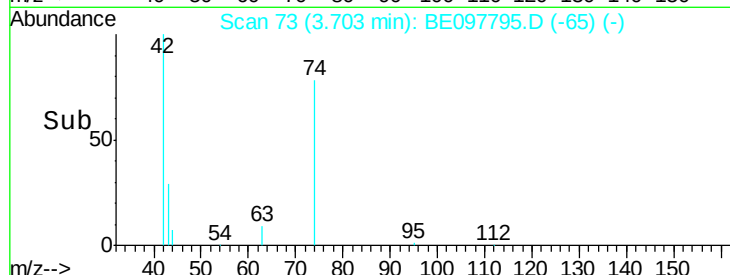
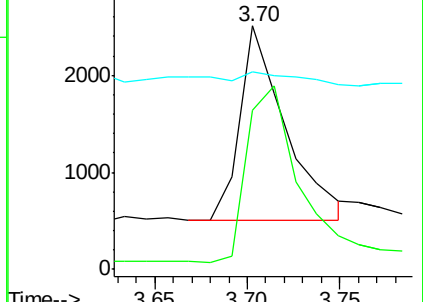
44 7.4 15.0 22.4#



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: 0.404 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

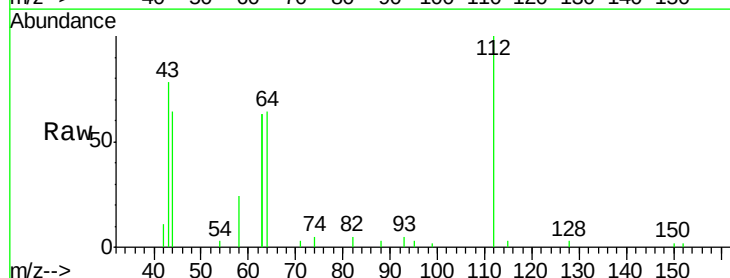
Tgt Ion: 112 Resp: 4767

Ion Ratio Lower Upper

112 100

64 67.8 56.6 84.8

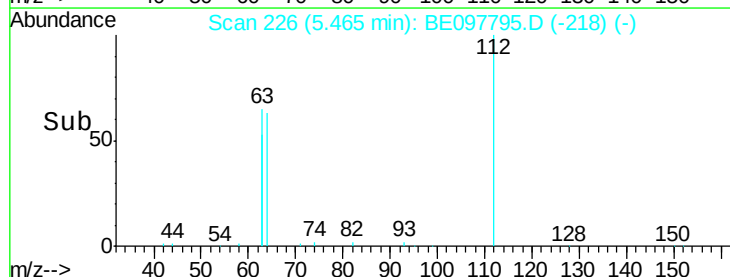
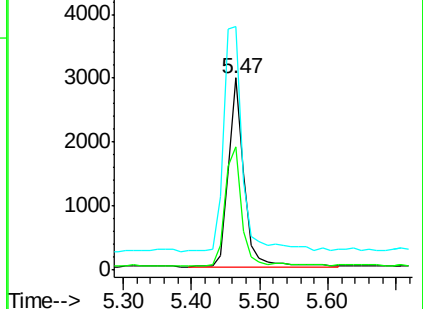
63 141.3 119.4 179.0

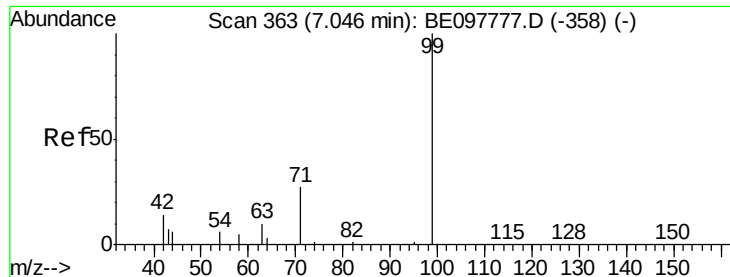


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.346 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

Instrument :

BNA_E

ClientSampleId :

PB113550BS

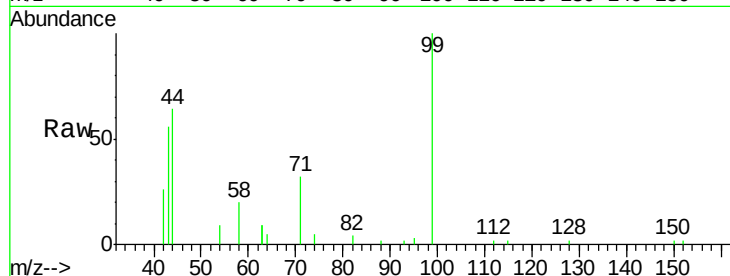
Tgt Ion: 99 Resp: 6253

Ion Ratio Lower Upper

99 100

42 27.9 19.9 29.9

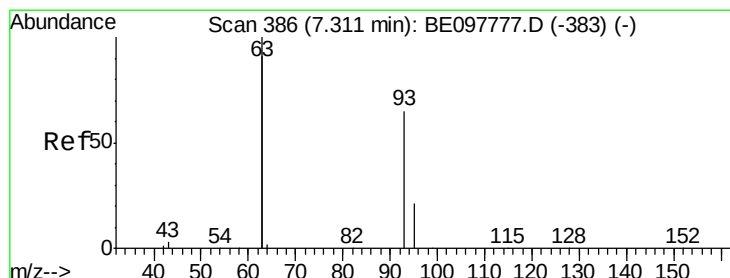
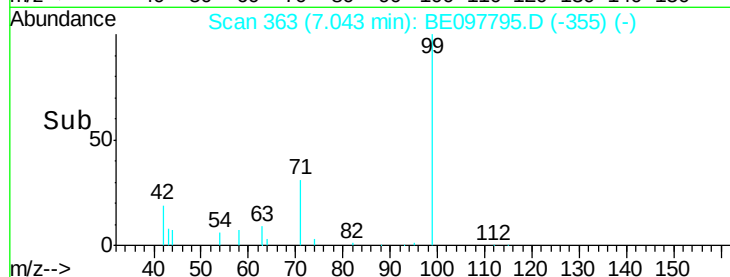
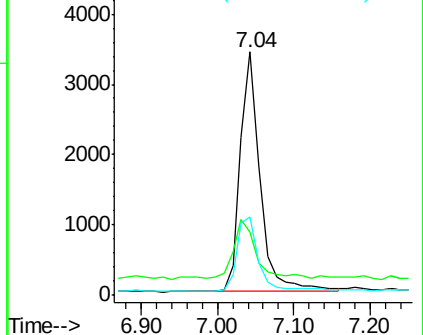
71 34.8 25.4 38.2



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: 0.343 ng

RT: 7.31 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

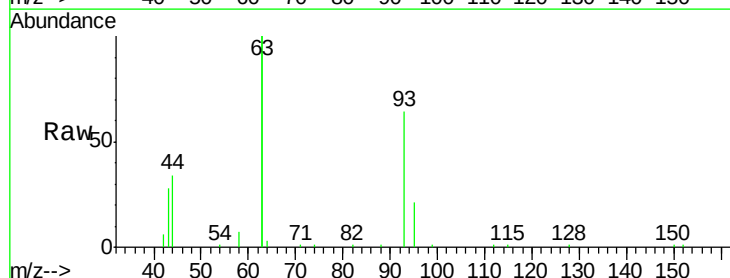
Tgt Ion: 93 Resp: 6414

Ion Ratio Lower Upper

93 100

63 341.5 266.9 400.3

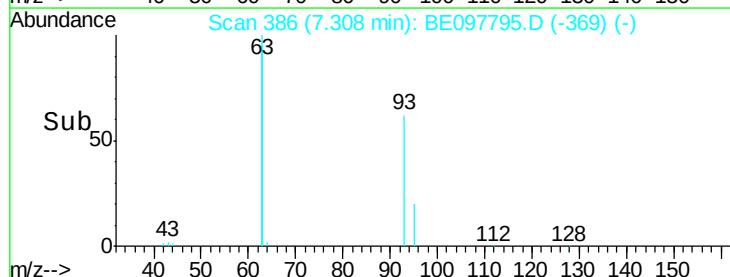
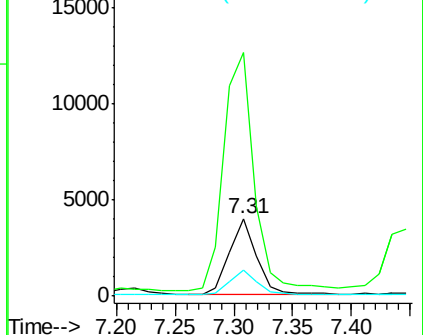
95 33.7 26.2 39.2

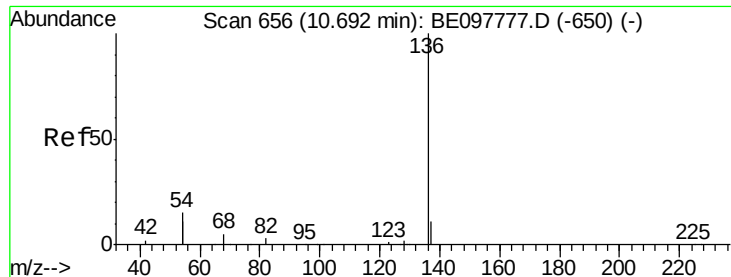


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.69 min Scan# 657

Delta R.T. 0.00 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

Instrument :

BNA_E

ClientSampleId :

PB113550BS

Tgt Ion:136 Resp: 19049

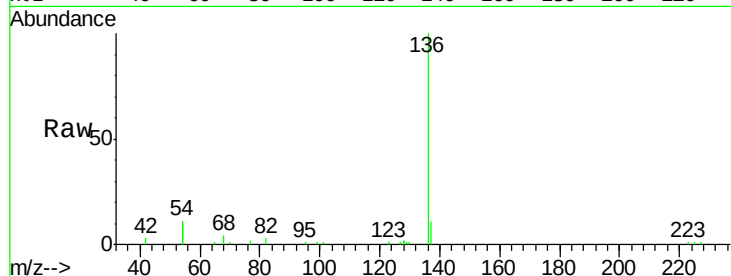
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 22.3 37.8 56.6#

68 4.2 6.4 9.6#

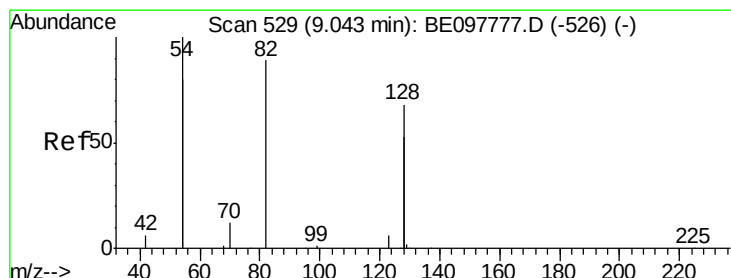
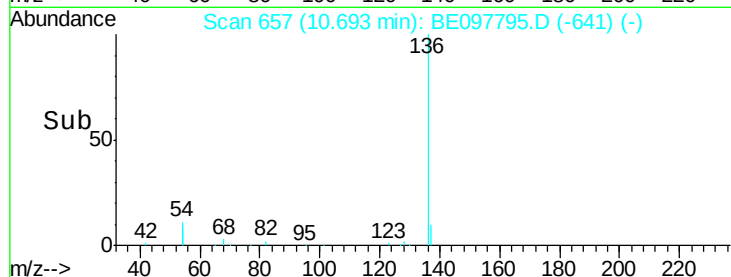
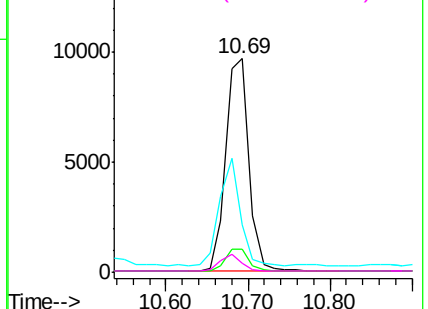


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.678 ng

RT: 9.03 min Scan# 529

Delta R.T. -0.01 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

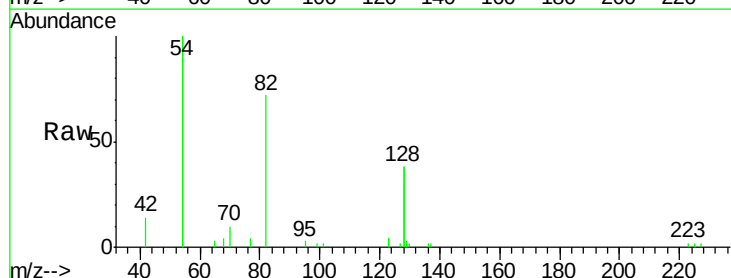
Tgt Ion: 82 Resp: 4190

Ion Ratio Lower Upper

82 100

128 104.5 97.0 145.4

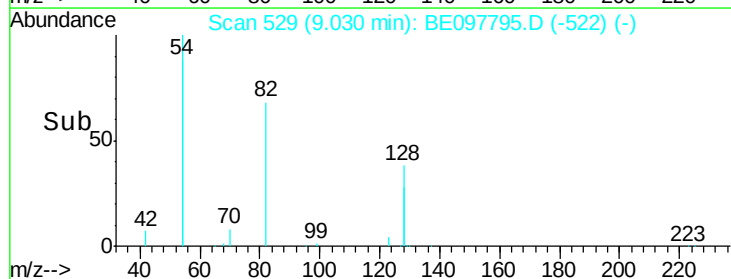
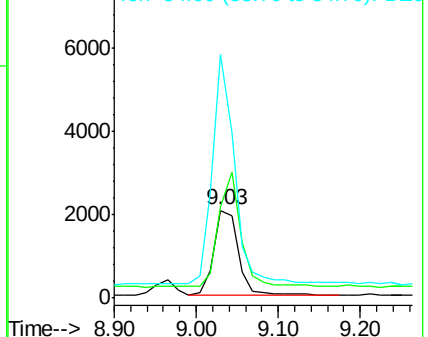
54 277.6 206.9 310.3

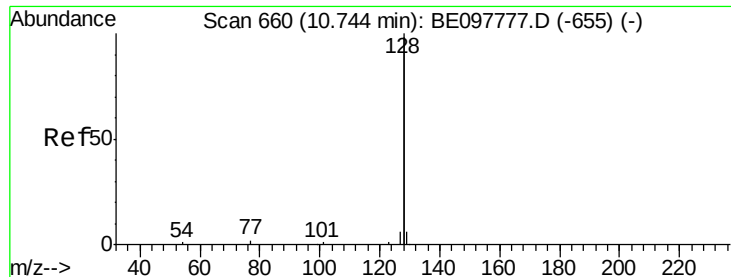


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.406 ng

RT: 10.73 min Scan# 660

Delta R.T. -0.01 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

Instrument :

BNA_E

ClientSampleId :

PB113550BS

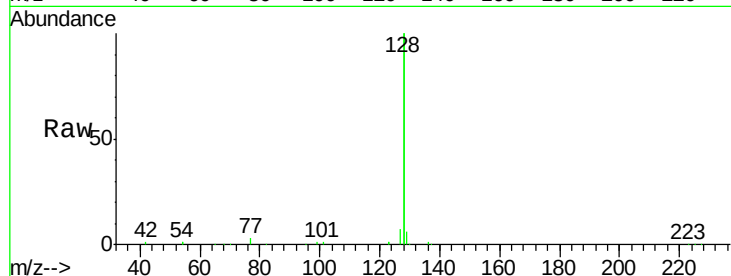
Tgt Ion:128 Resp: 77980

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.2

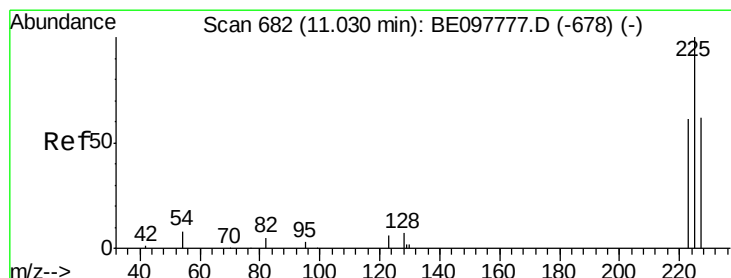
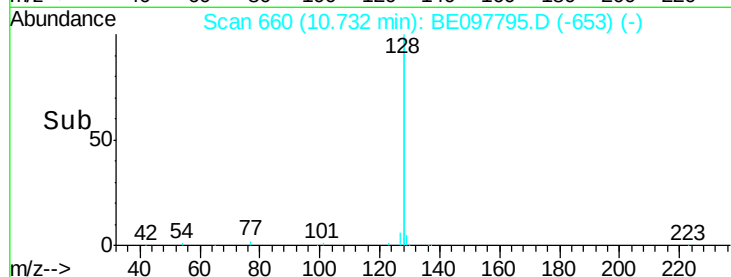
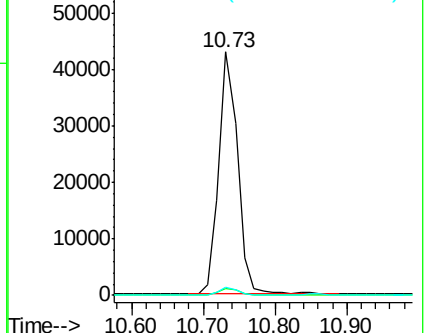
127 3.3 2.7 4.1



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



#10

Hexachlorobutadiene

Concen: 0.378 ng

RT: 11.03 min Scan# 683

Delta R.T. -0.01 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

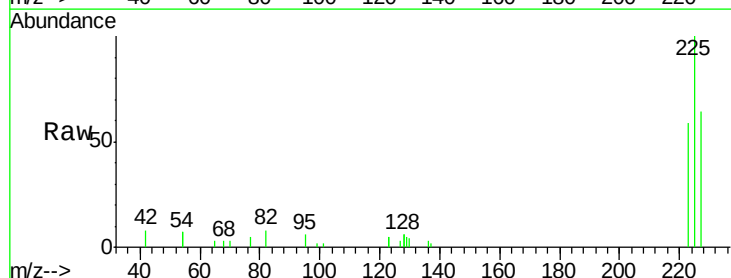
Tgt Ion:225 Resp: 3850

Ion Ratio Lower Upper

225 100

223 63.3 52.2 78.4

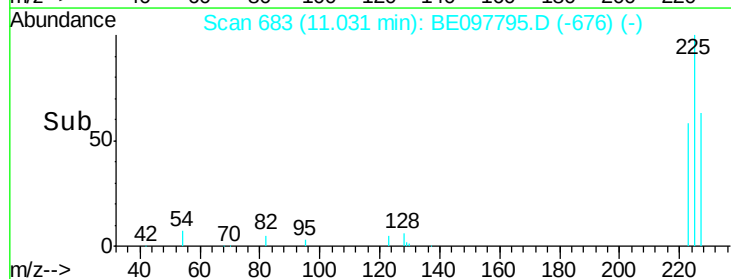
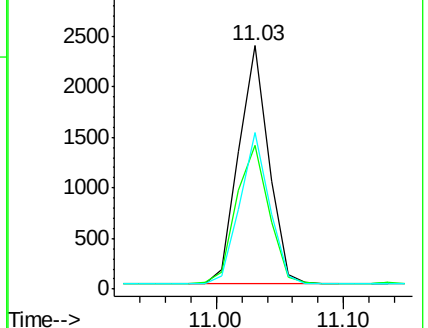
227 62.9 51.2 76.8

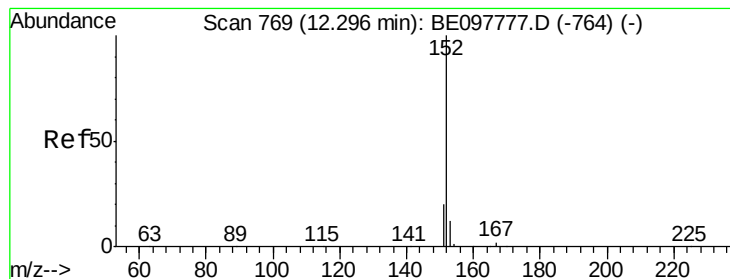


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.494 ng

RT: 12.28 min Scan# 769

Delta R.T. -0.02 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

Instrument :

BNA_E

ClientSampleId :

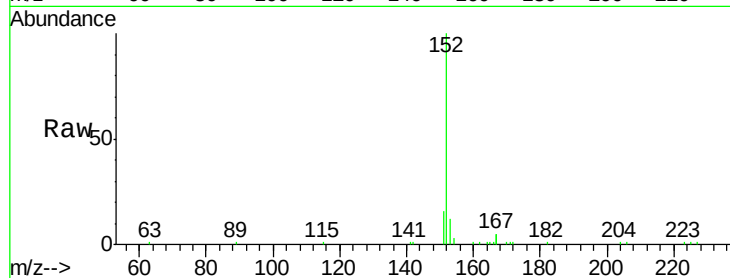
PB113550BS

Tgt Ion:152 Resp: 14975

Ion Ratio Lower Upper

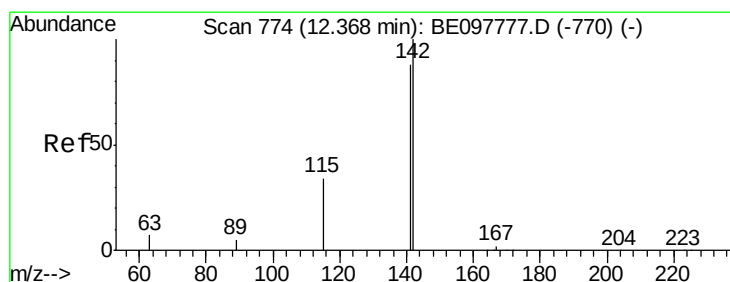
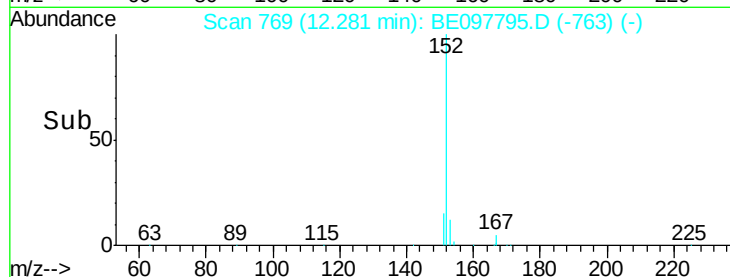
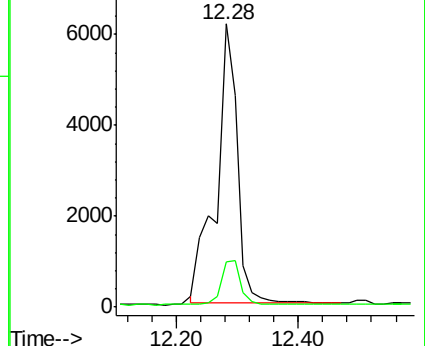
152 100

151 14.5 15.4 23.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.404 ng

RT: 12.35 min Scan# 774

Delta R.T. -0.02 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

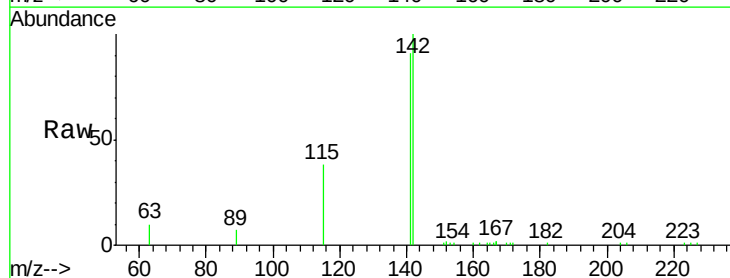
Tgt Ion:142 Resp: 12406

Ion Ratio Lower Upper

142 100

141 90.8 69.4 104.2

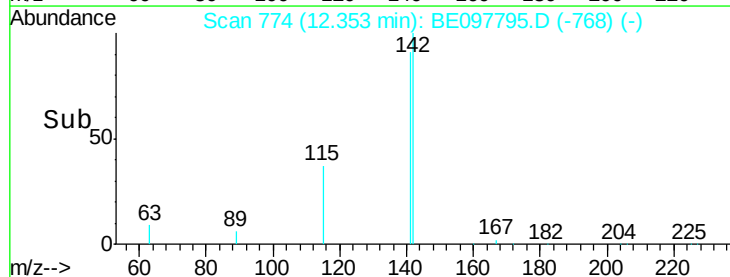
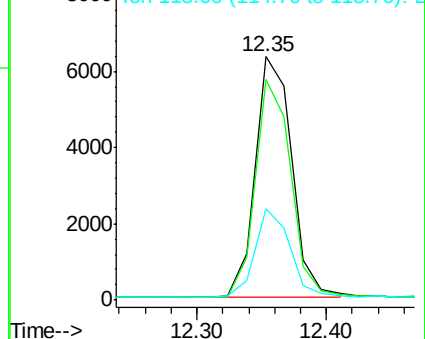
115 37.7 28.0 42.0

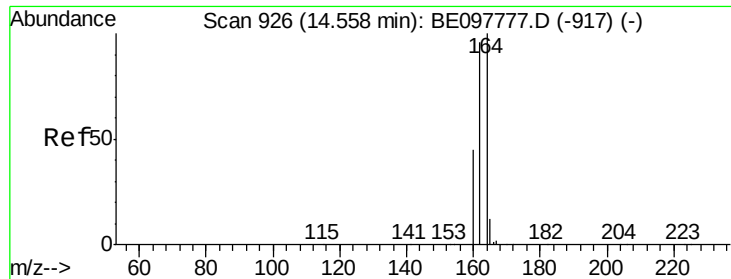


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

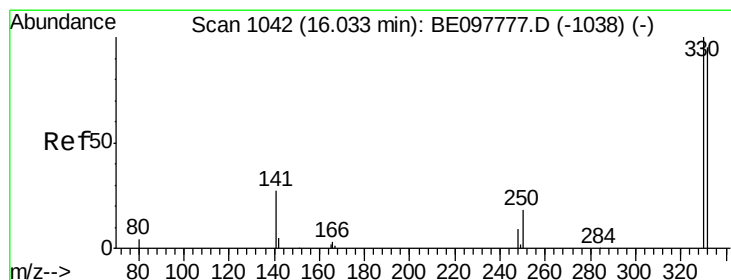
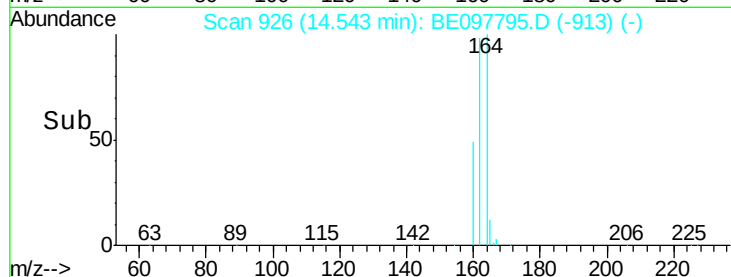
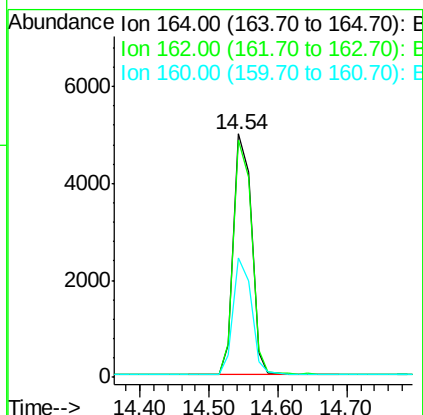
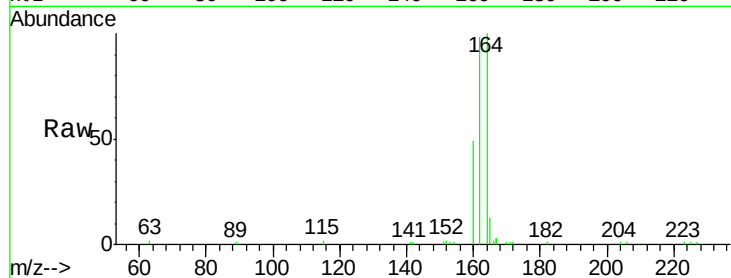




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.54 min Scan# 926
 Delta R.T. -0.02 min
 Lab File: BE097795.D
 Acq: 8 Oct 2018 15:35

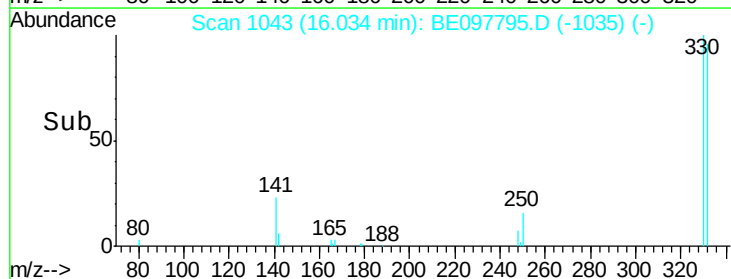
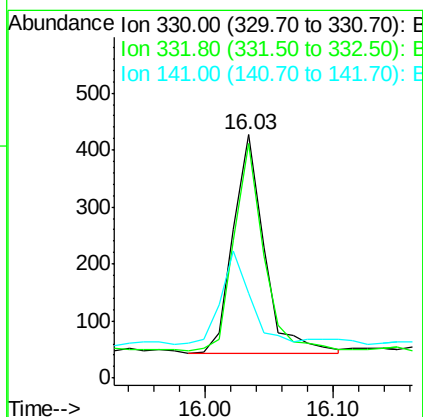
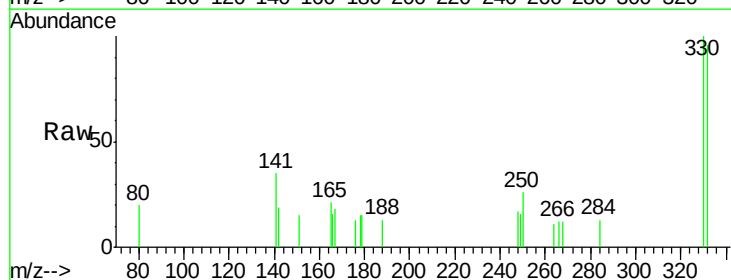
Instrument :
 BNA_E
 ClientSampleId :
 PB113550BS

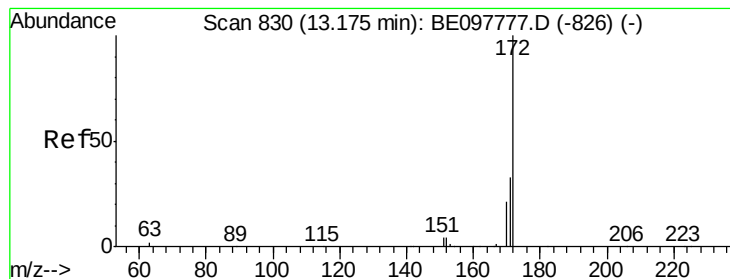
Tgt Ion:164 Resp: 8990
 Ion Ratio Lower Upper
 164 100
 162 97.6 78.6 117.8
 160 49.3 37.8 56.6



#14
 2,4,6-Tribromophenol
 Concen: 0.396 ng
 RT: 16.03 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BE097795.D
 Acq: 8 Oct 2018 15:35

Tgt Ion:330 Resp: 645
 Ion Ratio Lower Upper
 330 100
 332 91.0 83.5 125.3
 141 40.6 34.9 52.3

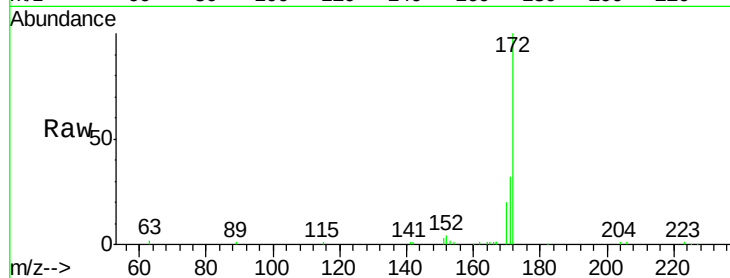




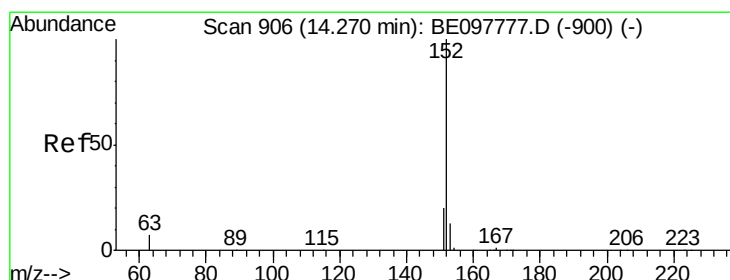
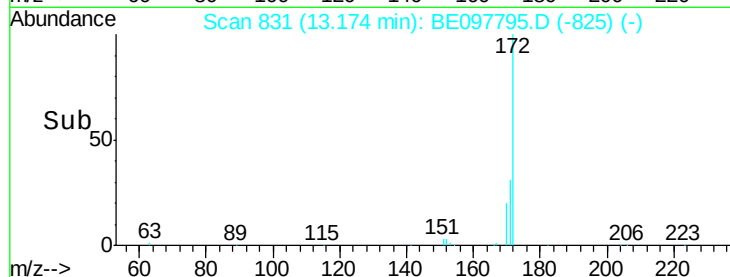
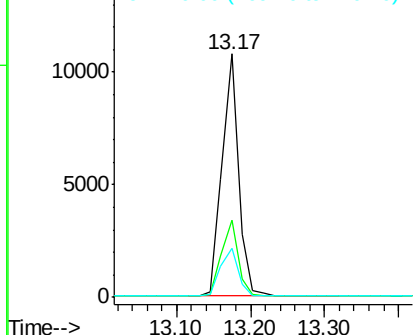
#15
2-Fluorobiphenyl
Concen: 0.425 ng
RT: 13.17 min Scan# 831
Delta R.T. -0.02 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Instrument :
BNA_E
ClientSampleId :
PB113550BS

Tgt Ion:172 Resp: 16822
Ion Ratio Lower Upper
172 100
171 31.6 25.2 37.8
170 20.3 16.2 24.2

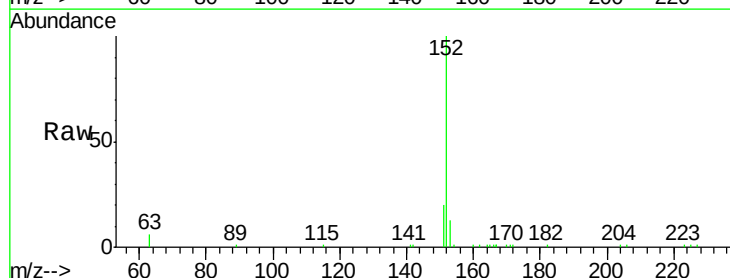


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

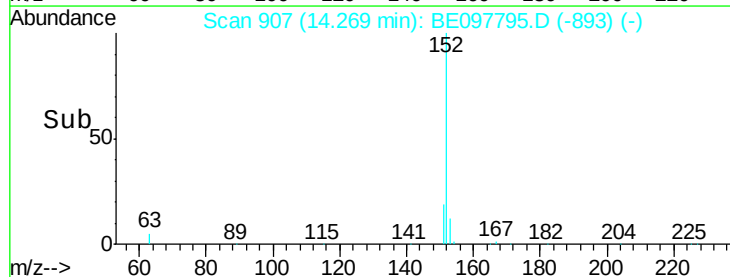
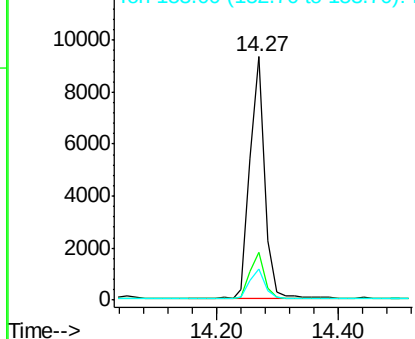


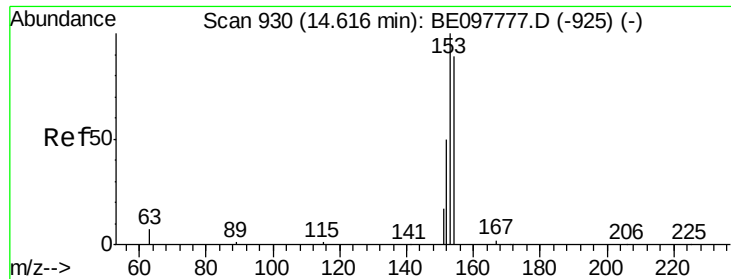
#16
Acenaphthylene
Concen: 0.392 ng
RT: 14.27 min Scan# 907
Delta R.T. -0.00 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion:152 Resp: 15602
Ion Ratio Lower Upper
152 100
151 19.3 15.3 22.9
153 12.9 10.8 16.2



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: 0.390 ng

RT: 14.61 min Scan# 931

Delta R.T. -0.00 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

Instrument :

BNA_E

ClientSampleId :

PB113550BS

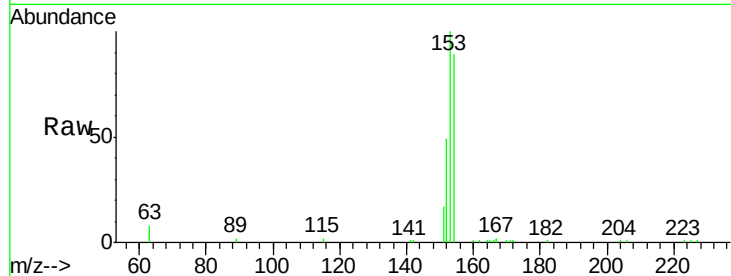
Tgt Ion:154 Resp: 9946

Ion Ratio Lower Upper

154 100

153 115.0 93.3 139.9

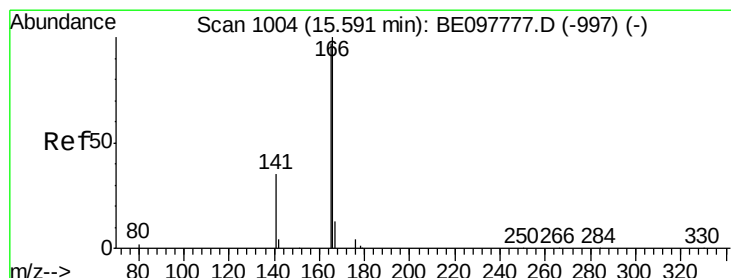
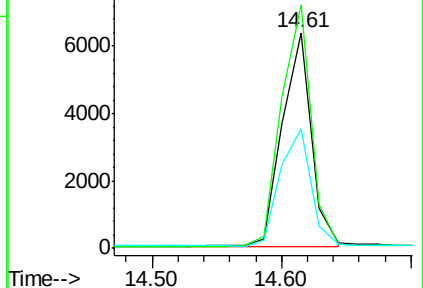
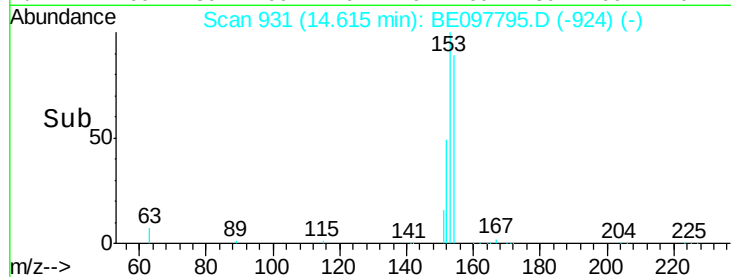
152 58.0 48.9 73.3



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: 0.385 ng

RT: 15.59 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

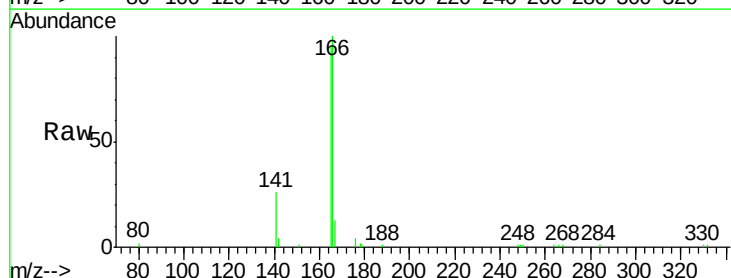
Tgt Ion:166 Resp: 13032

Ion Ratio Lower Upper

166 100

165 97.6 79.0 118.4

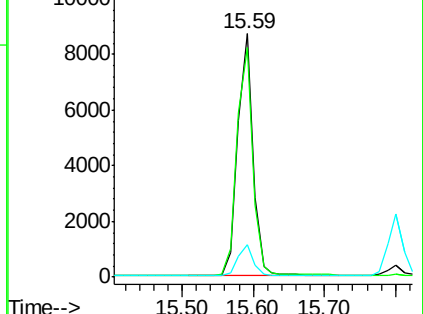
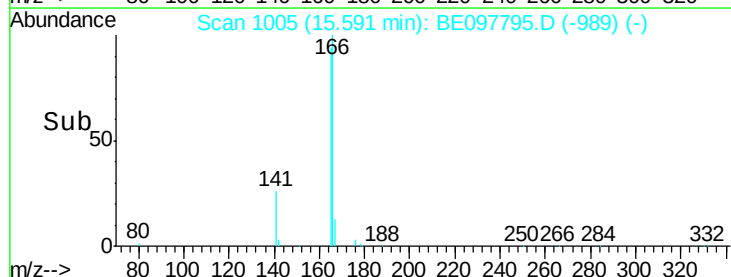
167 12.7 11.1 16.7

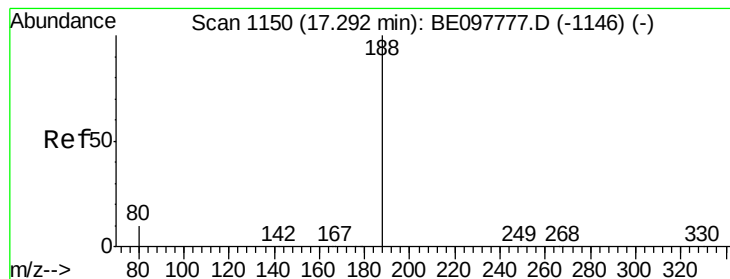


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.29 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

Instrument :

BNA_E

ClientSampleId :

PB113550BS

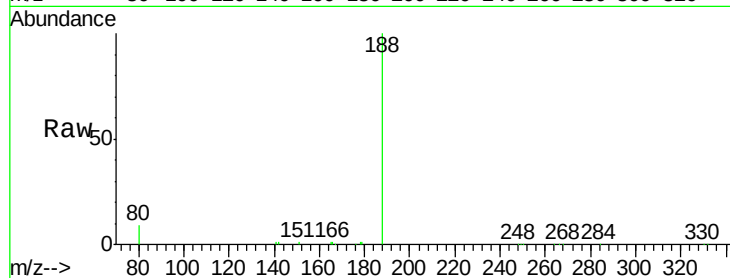
Tgt Ion:188 Resp: 20642

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

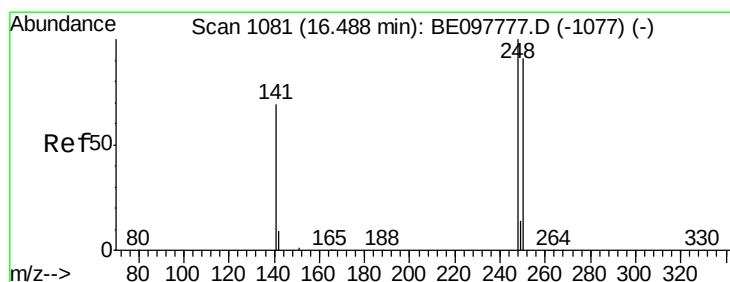
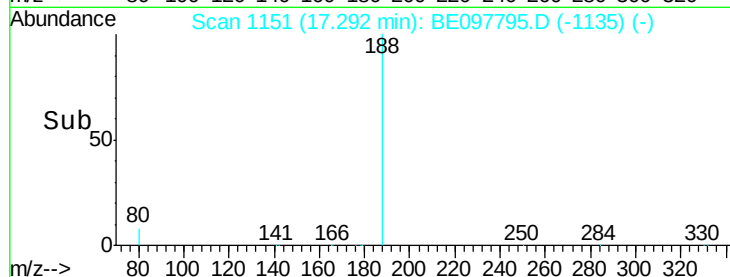
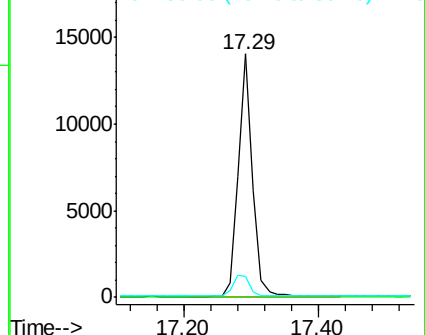
80 8.8 6.6 9.8



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: 0.402 ng

RT: 16.49 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

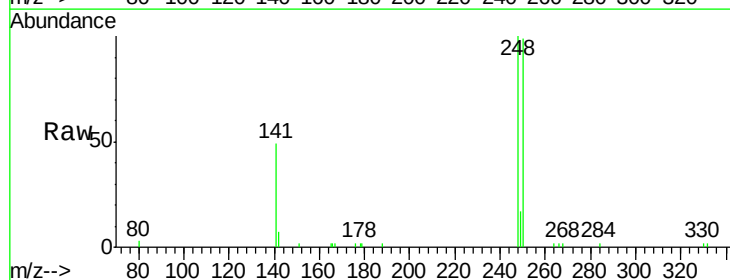
Tgt Ion:248 Resp: 4349

Ion Ratio Lower Upper

248 100

250 98.9 76.1 114.1

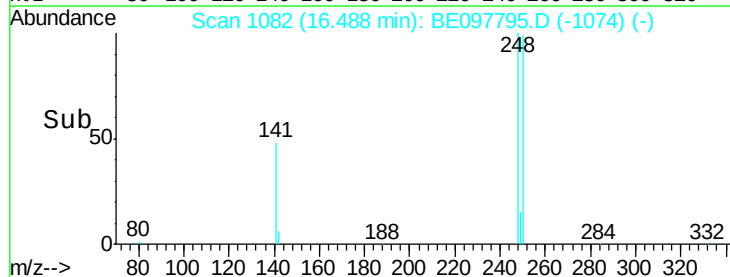
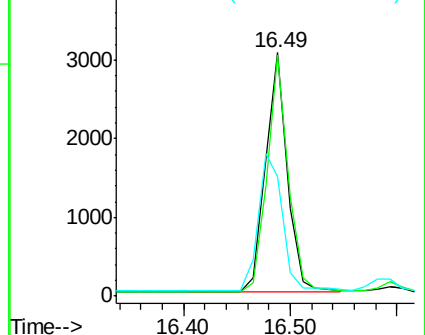
141 48.8 42.2 63.4

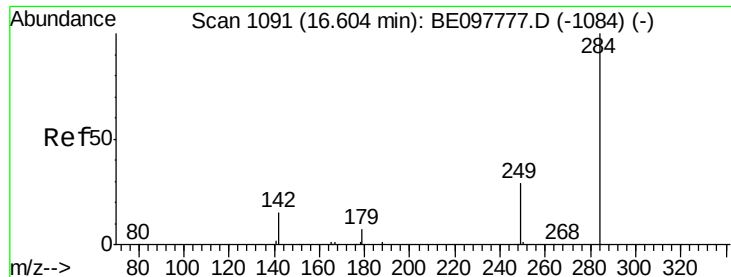


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

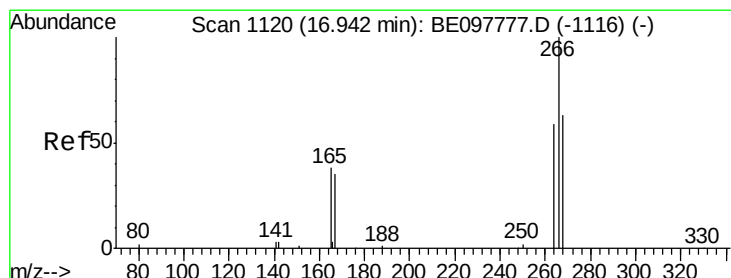
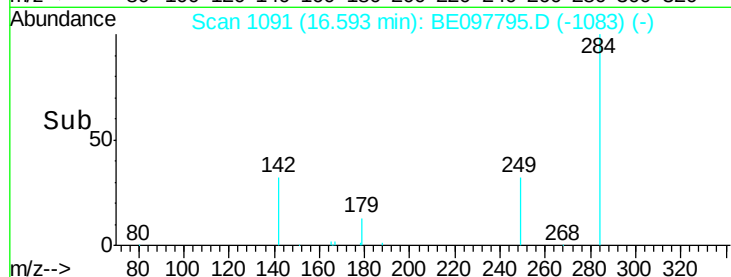
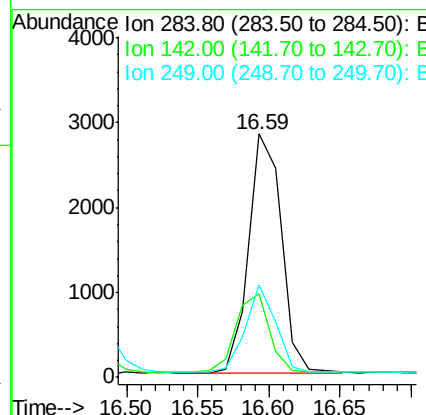
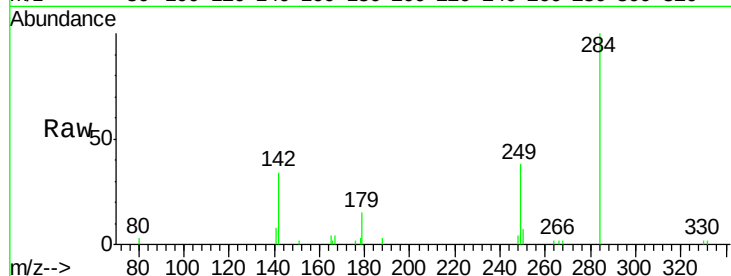




#21
Hexachlorobenzene
Concen: 0.368 ng
RT: 16.59 min Scan# 1091
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

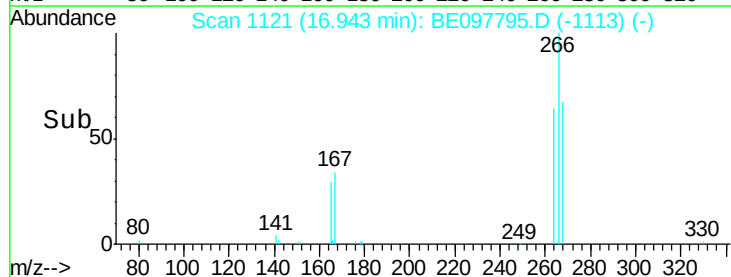
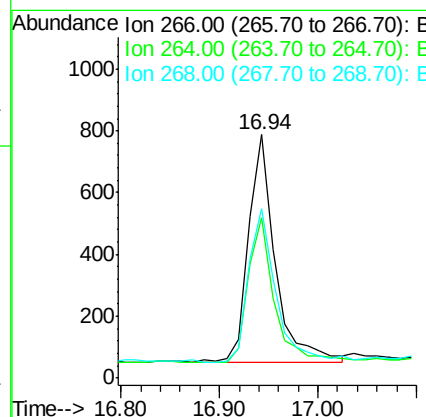
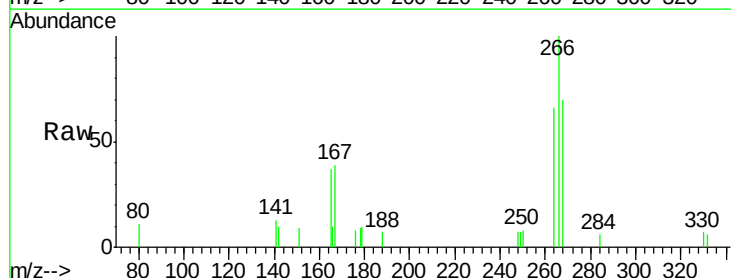
Instrument :
BNA_E
ClientSampleId :
PB113550BS

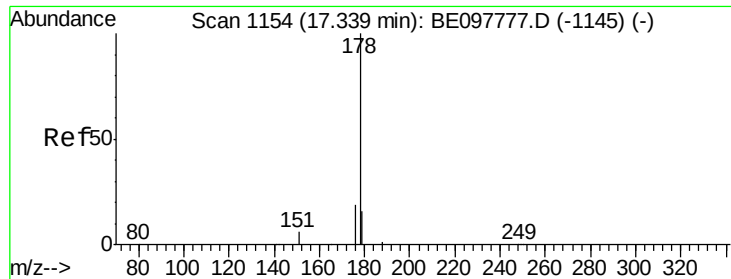
Tgt Ion:284 Resp: 4484
Ion Ratio Lower Upper
284 100
142 34.3 24.9 37.3
249 34.0 25.8 38.8



#22
Pentachlorophenol
Concen: 0.722 ng
RT: 16.94 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion:266 Resp: 1380
Ion Ratio Lower Upper
266 100
264 66.0 46.8 70.2
268 69.5 53.0 79.6





#23

Phenanthrene

Concen: 0.413 ng

RT: 17.33 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

Instrument :

BNA_E

ClientSampleId :

PB113550BS

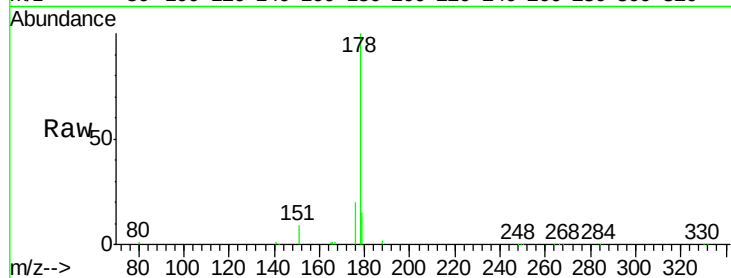
Tgt Ion:178 Resp: 21974

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

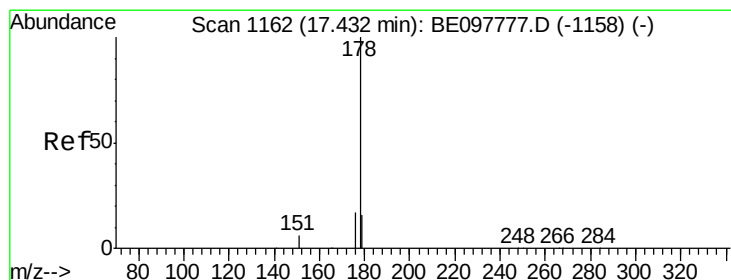
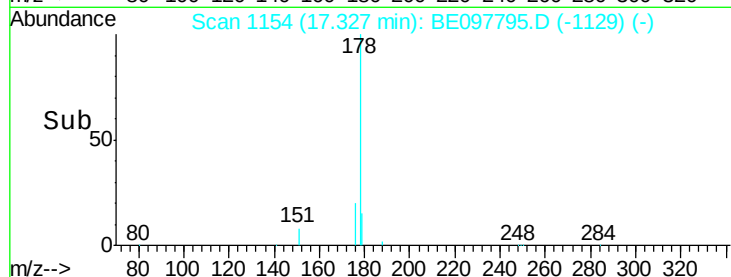
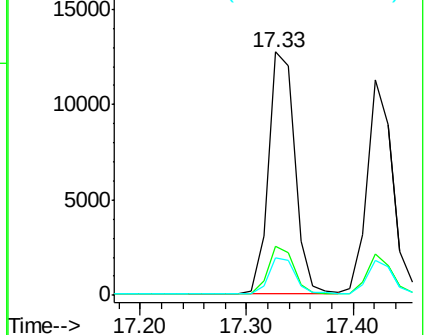
179 14.7 12.2 18.4



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: 0.400 ng

RT: 17.42 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

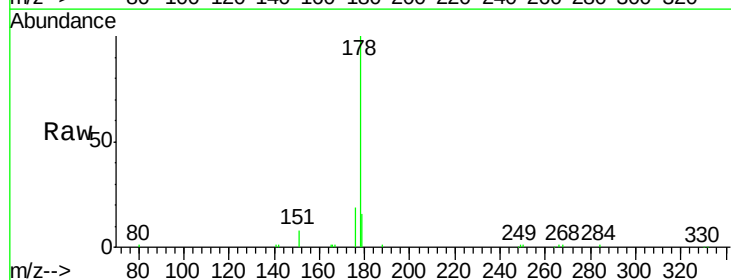
Tgt Ion:178 Resp: 18366

Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

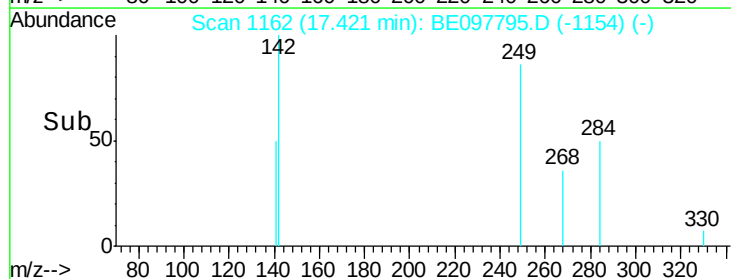
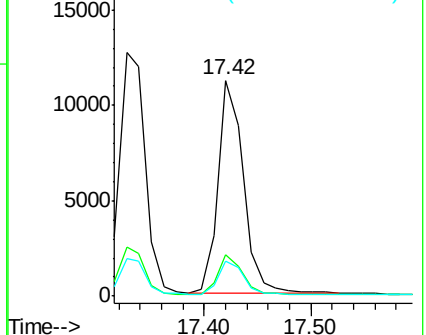
179 16.4 12.2 18.2

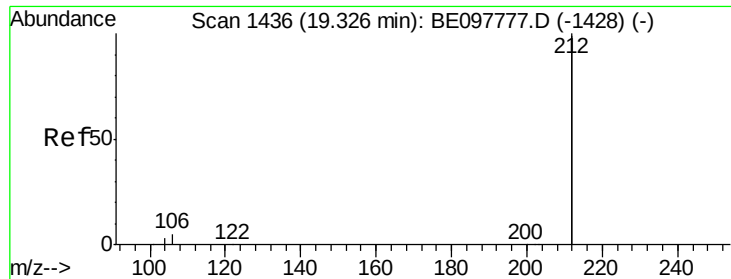


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.32 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

Instrument :

BNA_E

ClientSampleId :

PB113550BS

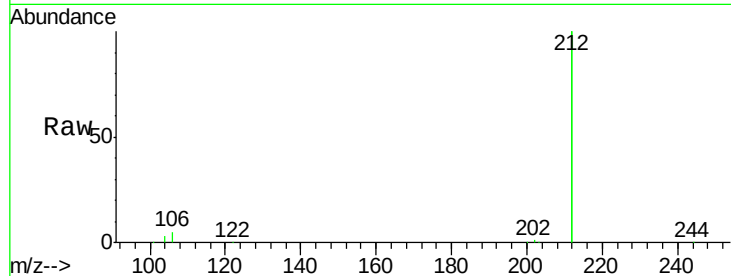
Tgt Ion:212 Resp: 91332

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.2

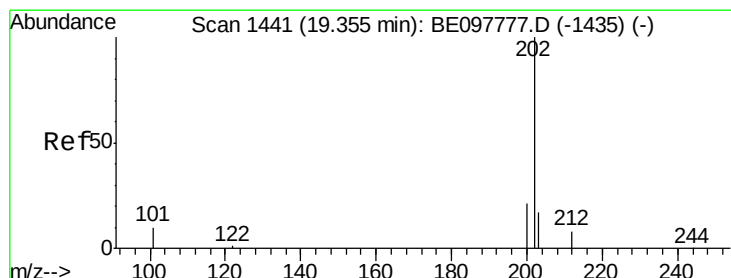
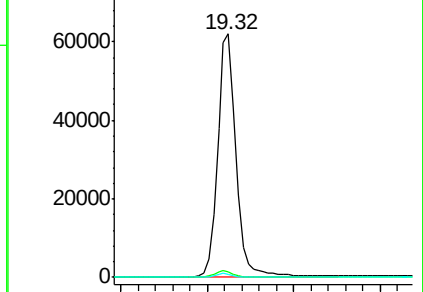
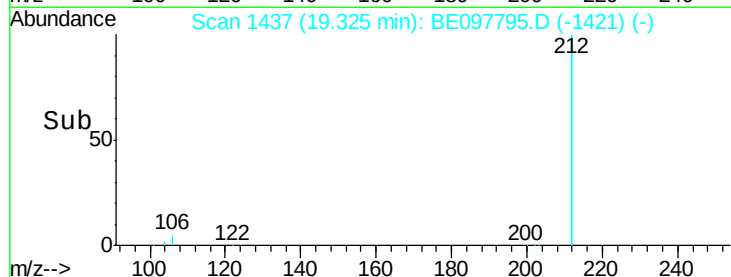
104 1.5 1.2 1.8



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: 0.359 ng

RT: 19.35 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

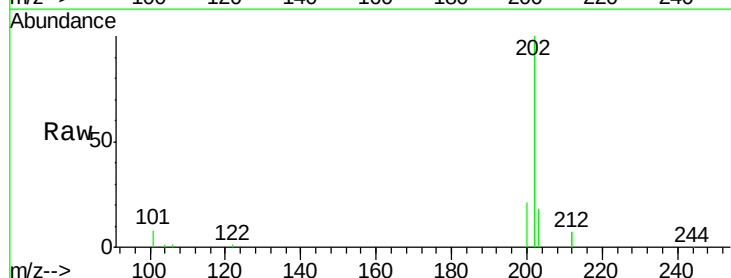
Tgt Ion:202 Resp: 24298

Ion Ratio Lower Upper

202 100

101 9.9 7.8 11.8

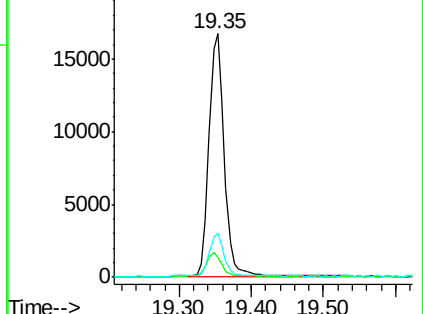
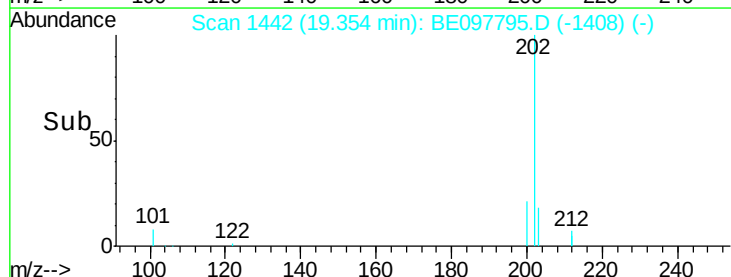
203 16.9 13.8 20.6

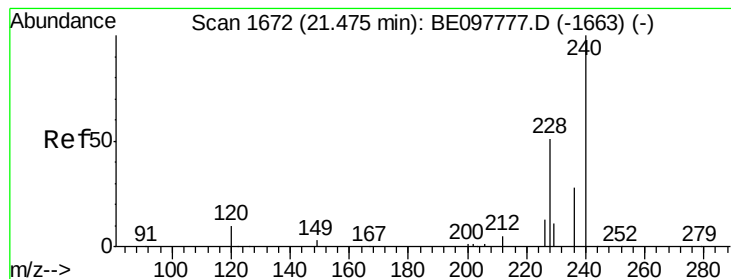


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.48 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

Instrument :

BNA_E

ClientSampleId :

PB113550BS

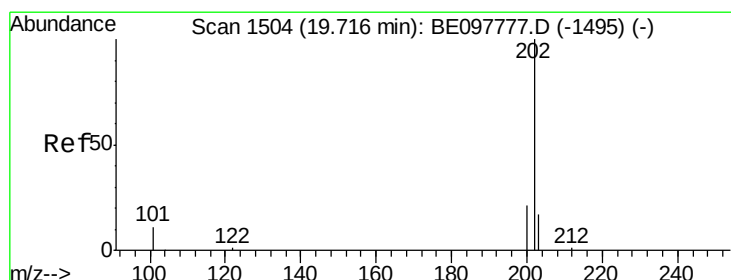
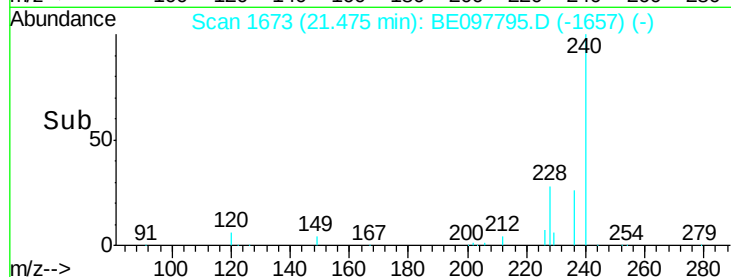
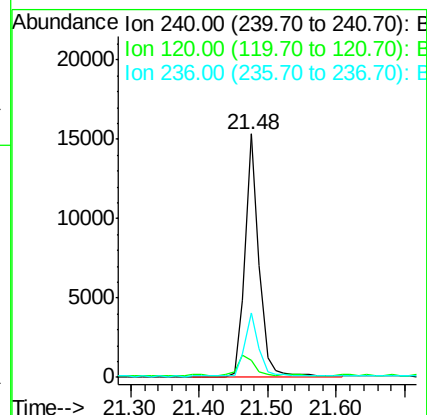
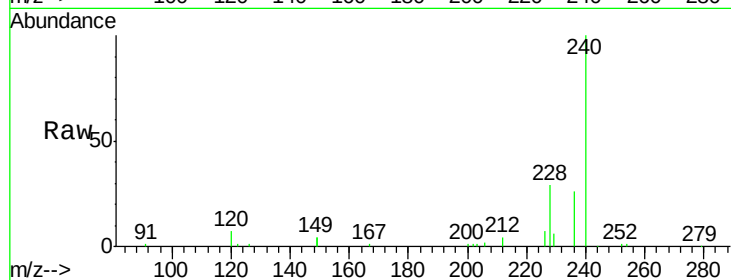
Tgt Ion:240 Resp: 21693

Ion Ratio Lower Upper

240 100

120 7.2 4.7 7.1#

236 26.4 20.8 31.2



#28

Pyrene

Concen: 0.435 ng

RT: 19.71 min Scan# 1504

Delta R.T. -0.01 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

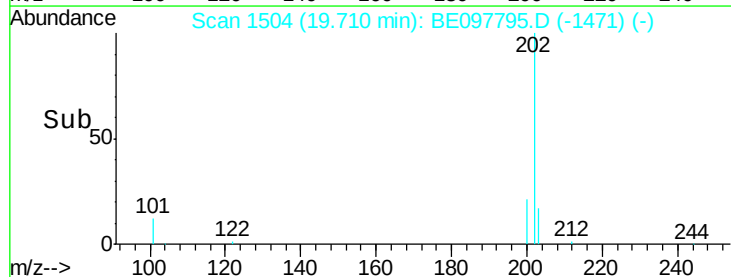
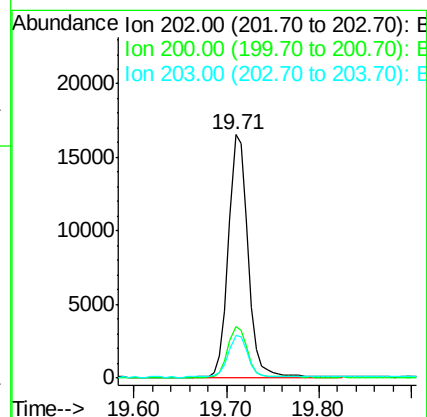
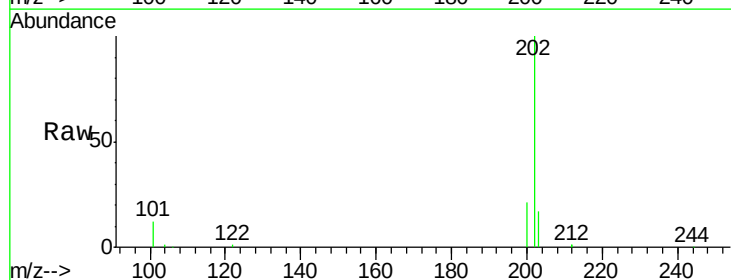
Tgt Ion:202 Resp: 23977

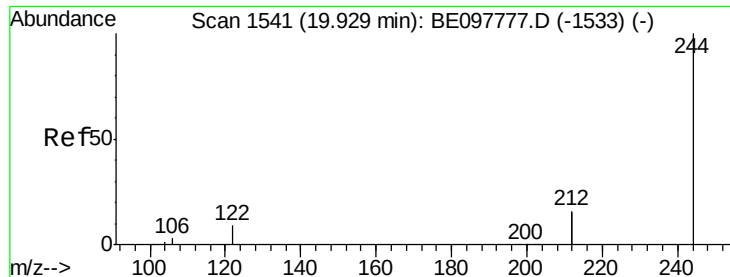
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 17.6 13.9 20.9





#29

Terphenyl-d14

Concen: 0.363 ng

RT: 19.92 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

Instrument :

BNA_E

ClientSampleId :

PB113550BS

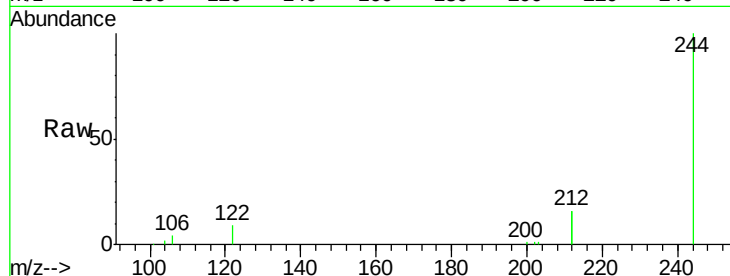
Tgt Ion:244 Resp: 16080

Ion Ratio Lower Upper

244 100

212 31.6 25.8 38.8

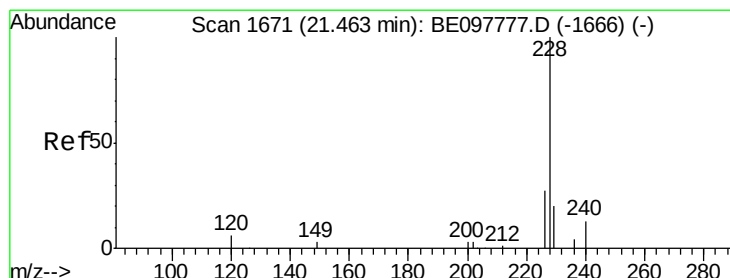
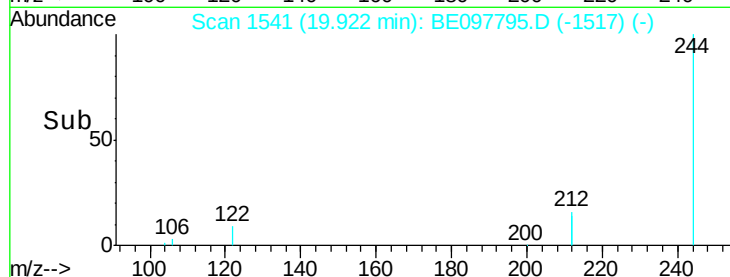
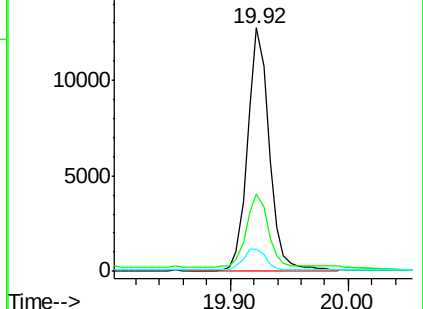
122 9.1 8.7 13.1



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: 0.418 ng

RT: 21.46 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

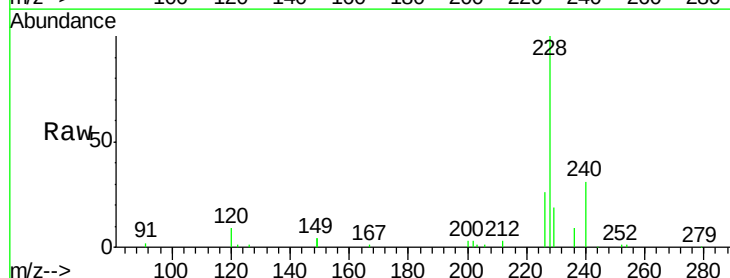
Tgt Ion:228 Resp: 24395

Ion Ratio Lower Upper

228 100

226 26.2 20.7 31.1

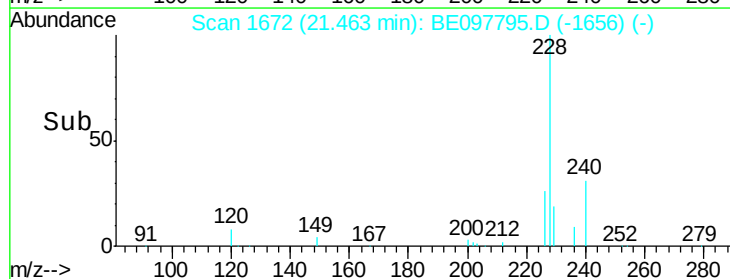
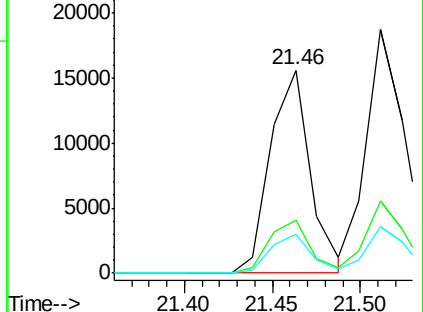
229 19.4 15.7 23.5

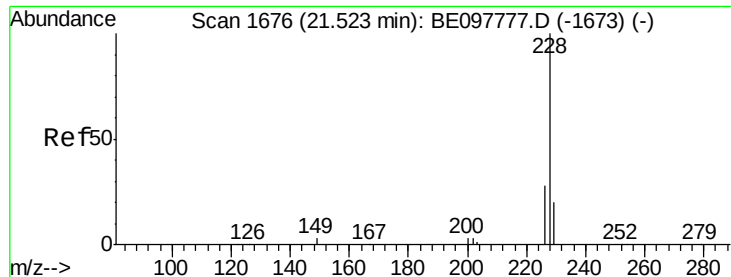


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.429 ng

RT: 21.51 min Scan# 1676

Delta R.T. -0.01 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

Instrument :

BNA_E

ClientSampleId :

PB113550BS

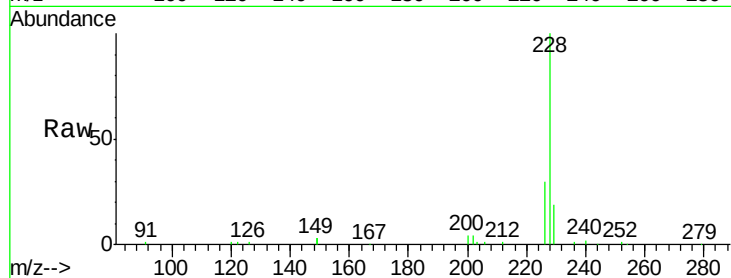
Tgt Ion:228 Resp: 28000

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

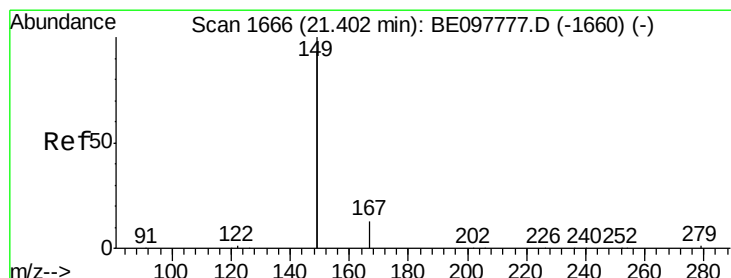
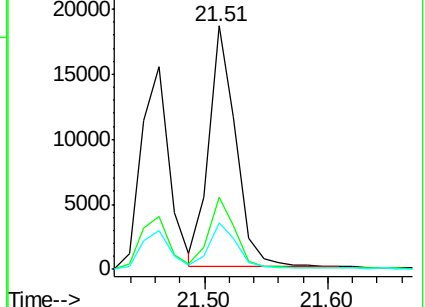
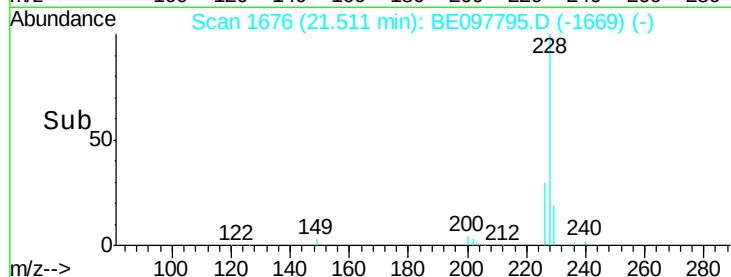
229 19.2 16.0 24.0



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: 0.425 ng

RT: 21.40 min Scan# 1667

Delta R.T. -0.01 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

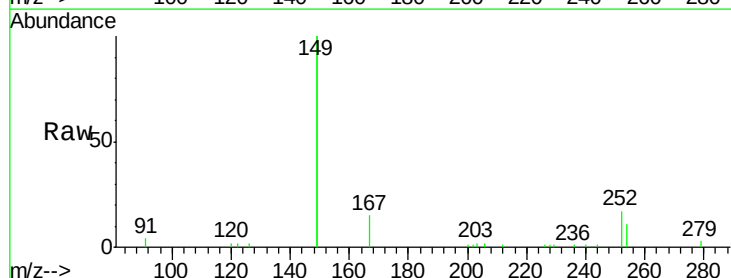
Tgt Ion:149 Resp: 18116

Ion Ratio Lower Upper

149 100

167 6.8 5.5 8.3

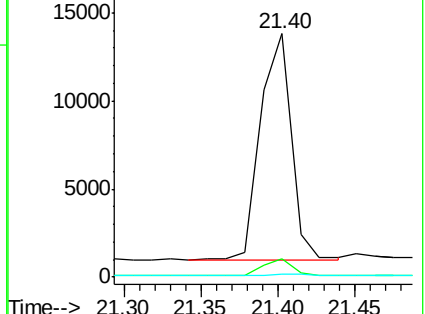
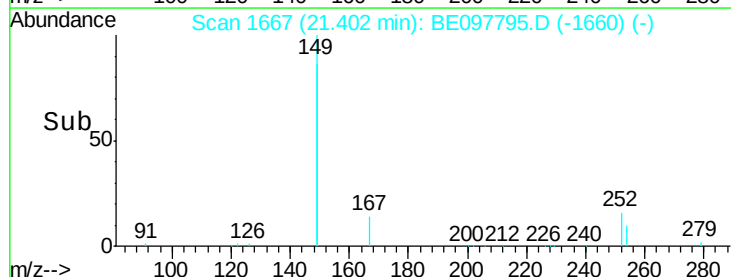
279 1.3 0.9 1.3#

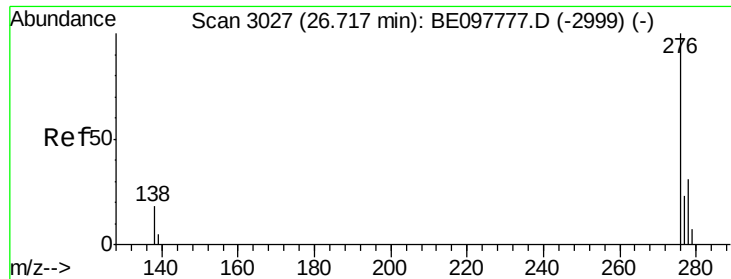


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

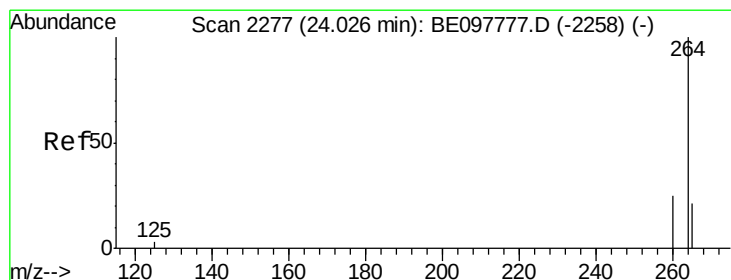
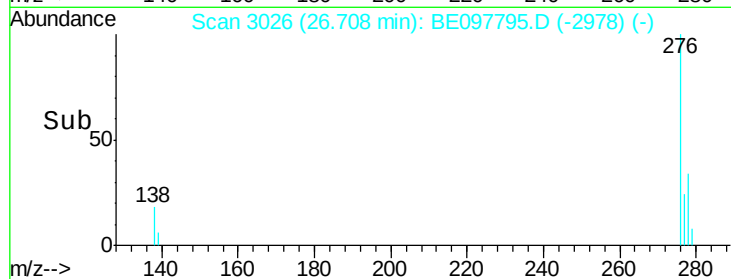
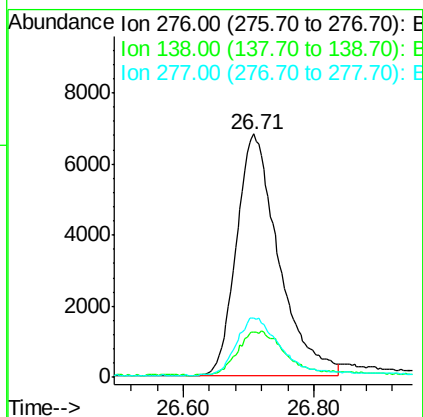
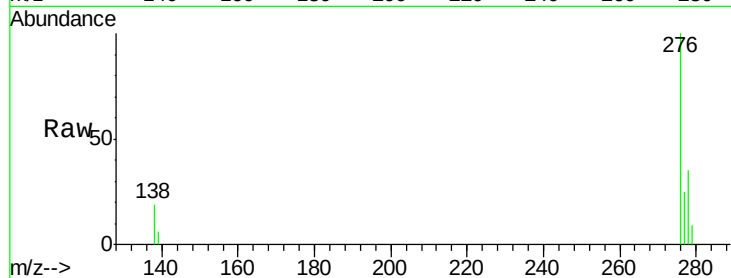




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.538 ng
 RT: 26.71 min Scan# 3026
 Delta R.T. -0.03 min
 Lab File: BE097795.D
 Acq: 8 Oct 2018 15:35

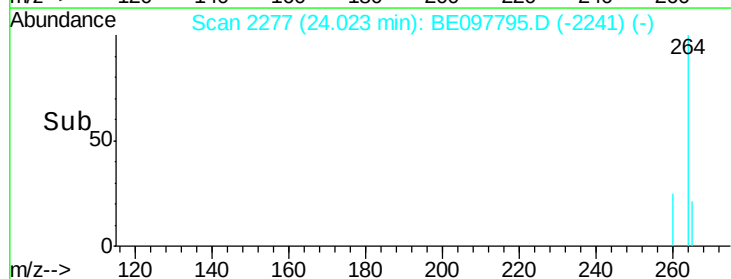
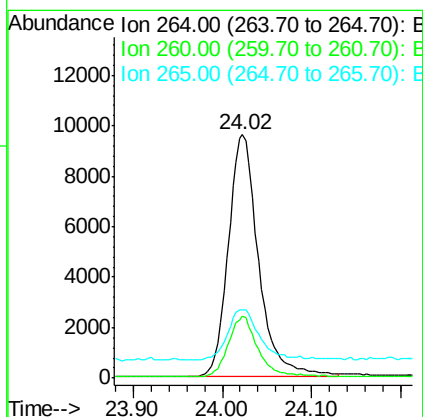
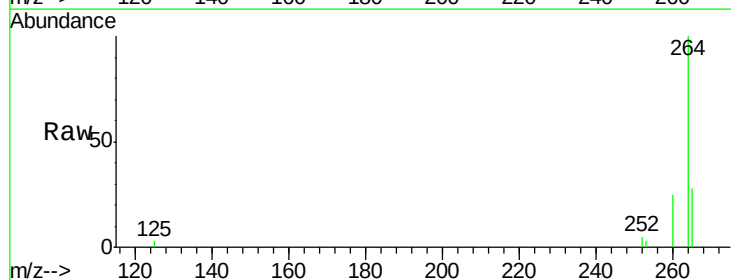
Instrument :
 BNA_E
 ClientSampleId :
 PB113550BS

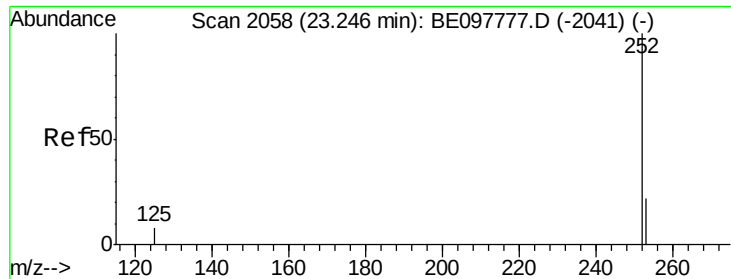
Tgt Ion: 276 Resp: 30440
 Ion Ratio Lower Upper
 276 100
 138 19.8 15.0 22.6
 277 24.9 19.2 28.8



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.02 min Scan# 2277
 Delta R.T. -0.02 min
 Lab File: BE097795.D
 Acq: 8 Oct 2018 15:35

Tgt Ion: 264 Resp: 22820
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.1 28.7
 265 28.1 21.9 32.9





#35

Benzo(b)fluoranthene

Concen: 0.413 ng

RT: 23.24 min Scan# 2058

Delta R.T. -0.02 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

Instrument :

BNA_E

ClientSampleId :

PB113550BS

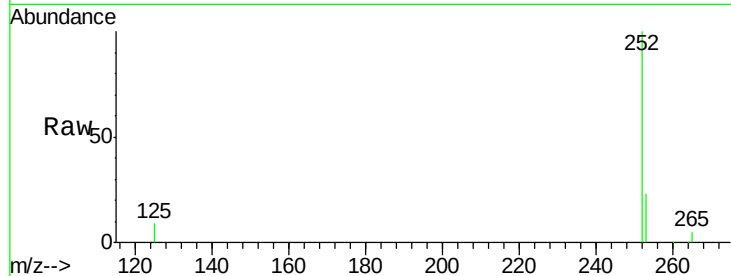
Tgt Ion:252 Resp: 25865

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

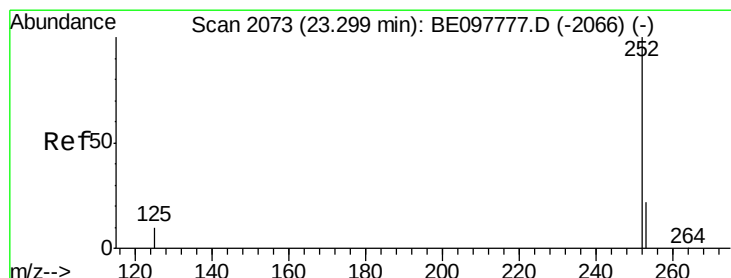
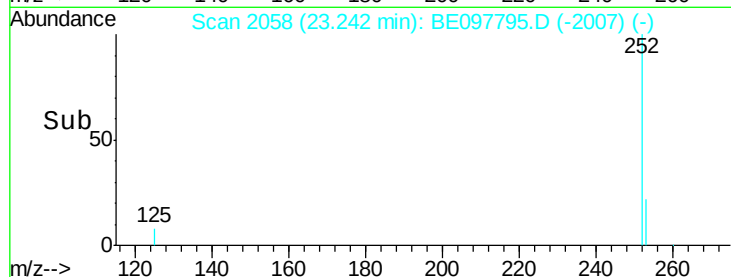
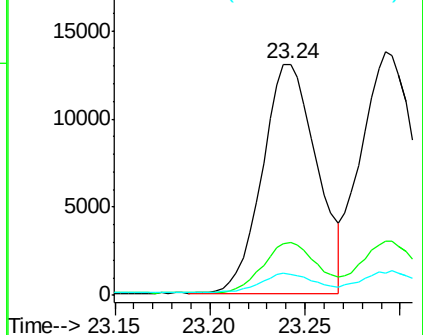
125 9.0 7.8 11.8



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: 0.419 ng

RT: 23.29 min Scan# 2072

Delta R.T. -0.02 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

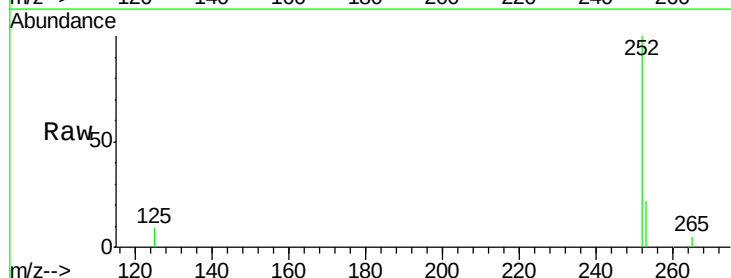
Tgt Ion:252 Resp: 29104

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

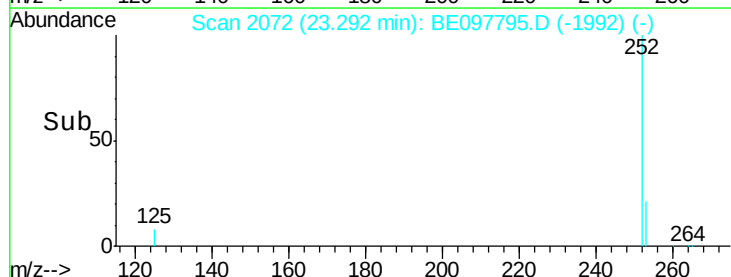
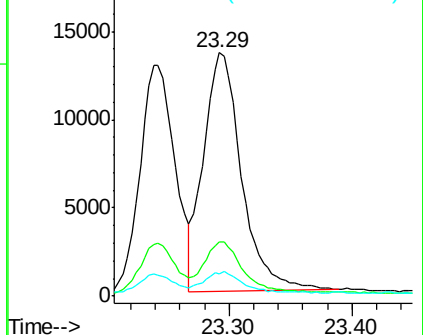
125 9.3 7.5 11.3

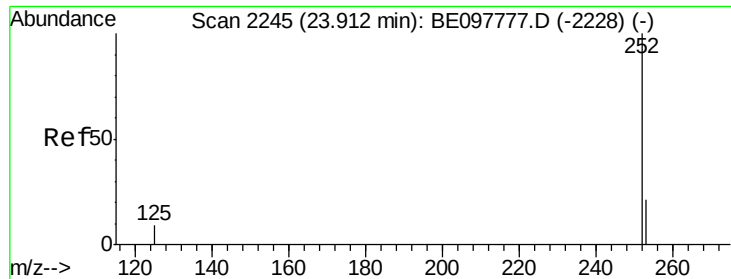


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.420 ng

RT: 23.91 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

Instrument :

BNA_E

ClientSampleId :

PB113550BS

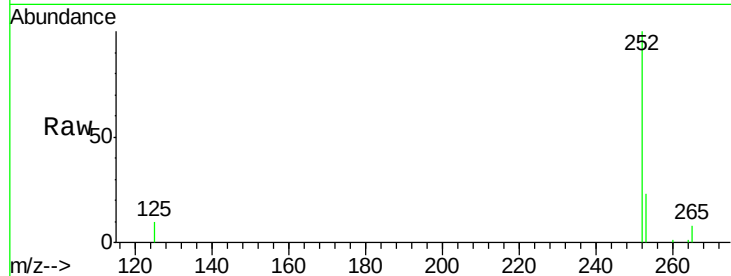
Tgt Ion:252 Resp: 23797

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

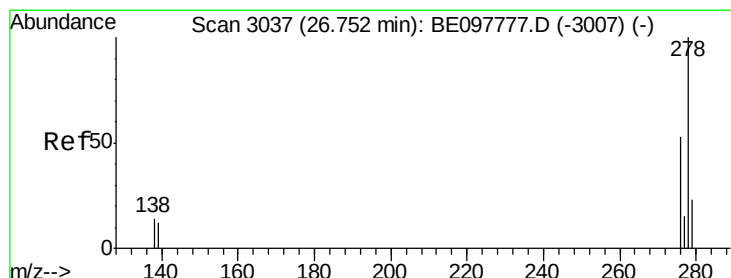
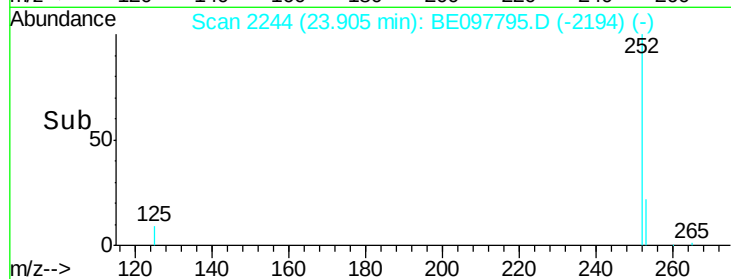
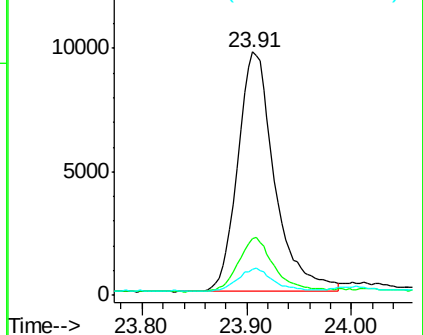
125 10.5 8.3 12.5



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: 0.466 ng

RT: 26.74 min Scan# 3035

Delta R.T. -0.03 min

Lab File: BE097795.D

Acq: 8 Oct 2018 15:35

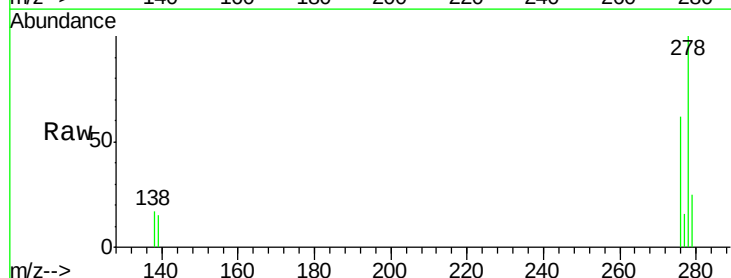
Tgt Ion:278 Resp: 26029

Ion Ratio Lower Upper

278 100

139 14.7 10.3 15.5

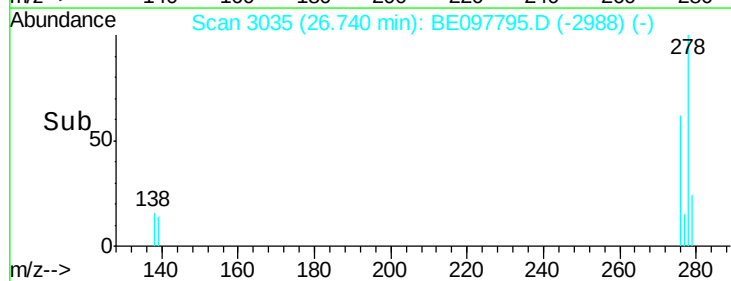
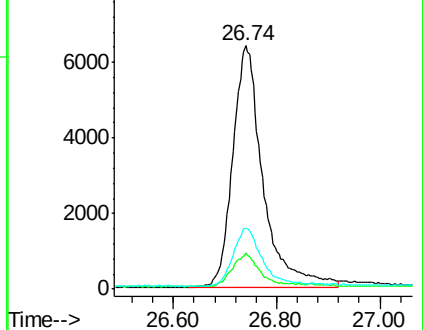
279 24.8 18.4 27.6

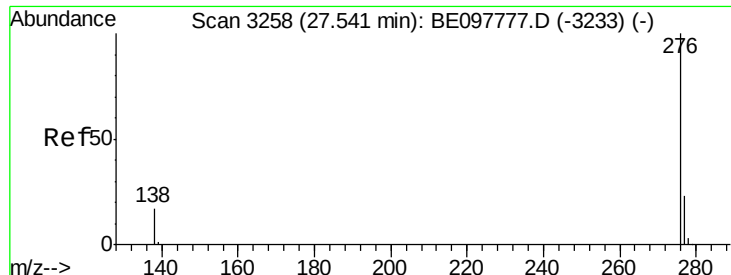


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.491 ng

RT: 27.53 min Scan# 3256

Delta R.T. -0.03 min

Lab File: BE097795.D

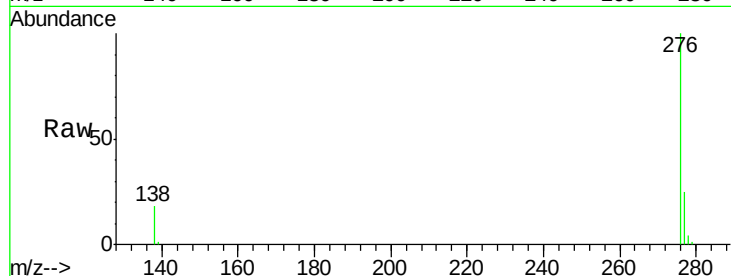
Acq: 8 Oct 2018 15:35

Instrument :

BNA_E

ClientSampleId :

PB113550BS



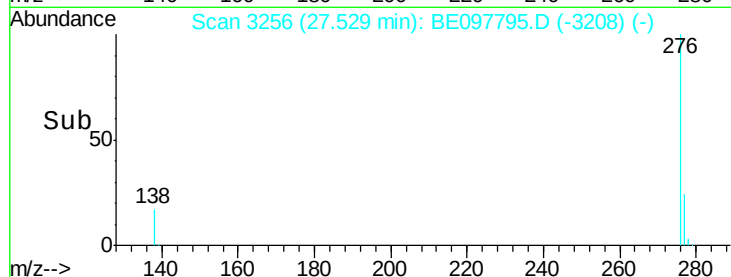
Tgt Ion: 276 Resp: 28711

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 17.8 14.2 21.2



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

