

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082318\
 Data File : BE097354.D
 Acq On : 23 Aug 2018 10:35
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 23 12:28:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 18:07:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	796	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	3689	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	1947	0.40	ng	-0.01
19) Phenanthrene-d10	16.77	188	5225	0.40	ng	0.00
27) Chrysene-d12	20.97	240	6680	0.40	ng	0.00
34) Perylene-d12	23.20	264	6355	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	936	0.40	ng	0.00
5) Phenol-d6	6.59	99	1180	0.38	ng	0.00
8) Nitrobenzene-d5	8.52	82	1074	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	2107	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	243	0.37	ng	0.00
15) 2-Fluorobiphenyl	12.62	172	3113	0.44	ng	0.00
25) Fluoranthene-d10	18.80	212	25188	0.42	ng	0.00
29) Terphenyl-d14	19.42	244	5006	0.41	ng	0.00

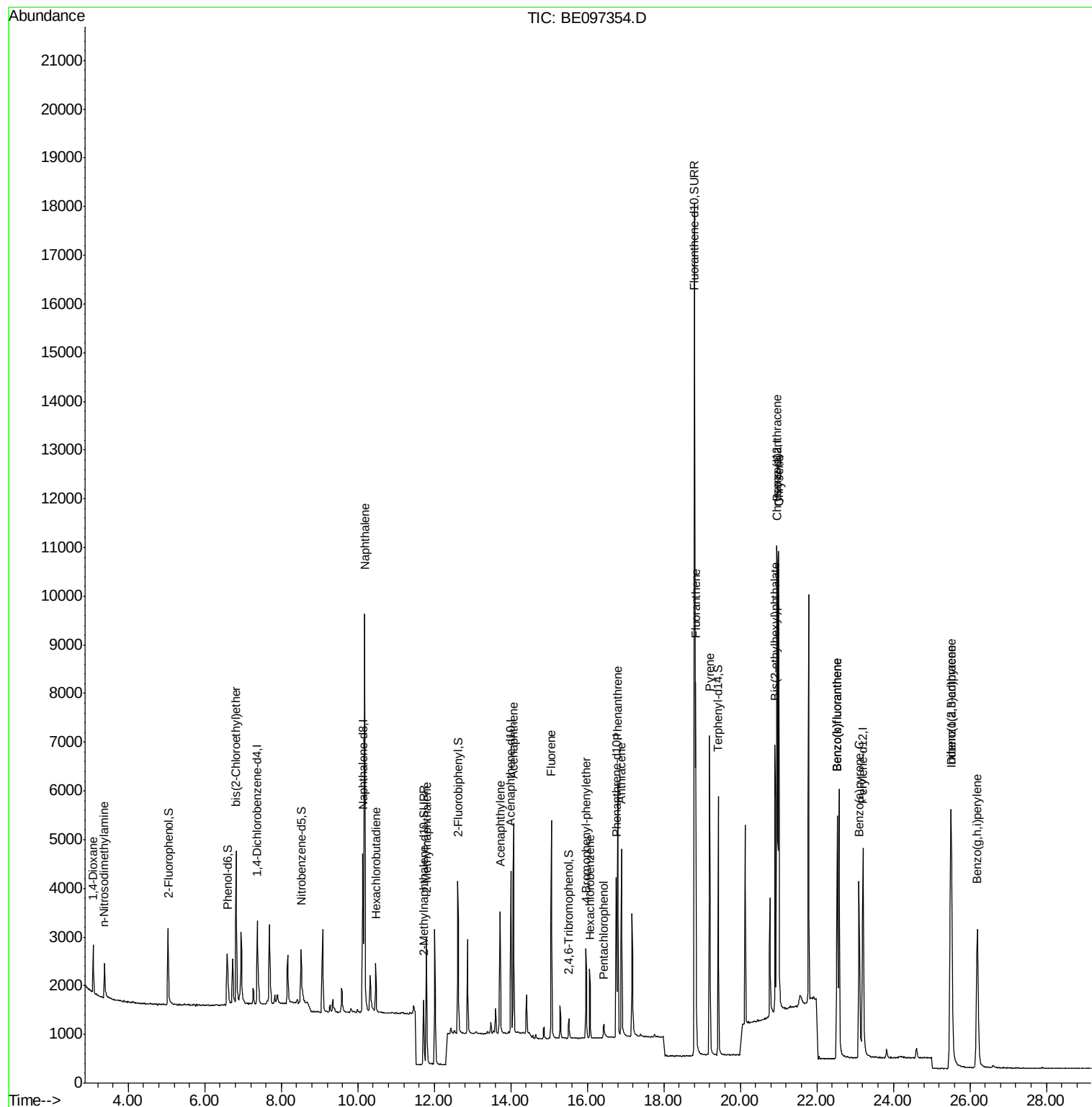
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.08	88	604	0.427	ng	# 84
3) n-Nitrosodimethylamine	3.37	42	517	0.391	ng	98
6) bis(2-Chloroethyl)ether	6.82	93	1130	0.390	ng	97
9) Naphthalene	10.19	128	14063	0.419	ng	100
10) Hexachlorobutadiene	10.47	225	636	0.424	ng	99
12) 2-Methylnaphthalene	11.80	142	2186	0.413	ng	100
16) Acenaphthylene	13.73	152	3169	0.409	ng	100
17) Acenaphthene	14.07	154	2175	0.421	ng	96
18) Fluorene	15.06	166	2650	0.406	ng	# 80
20) 4-Bromophenyl-phenylether	15.96	248	1016	0.428	ng	# 81
21) Hexachlorobenzene	16.08	284	1154	0.439	ng	# 83
22) Pentachlorophenol	16.44	266	219	0.417	ng	# 80
23) Phenanthrene	16.80	178	5255	0.423	ng	99
24) Anthracene	16.89	178	4223	0.399	ng	95
26) Fluoranthene	18.83	202	6550	0.420	ng	98
28) Pyrene	19.20	202	6631	0.417	ng	100
30) Benzo(a)anthracene	20.96	228	6759	0.400	ng	96
31) Chrysene	21.00	228	7664	0.421	ng	99
32) Bis(2-ethylhexyl)phthalate	20.91	149	7176	0.383	ng	99
33) Indeno(1,2,3-cd)pyrene	25.50	276	8061	0.343	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	6513	0.383	ng	# 89
36) Benzo(k)fluoranthene	22.53	252	6513	0.348	ng	95
37) Benzo(a)pyrene	23.10	252	6185	0.377	ng	93
38) Dibenzo(a,h)anthracene	25.51	278	6827	0.349	ng	97
39) Benzo(g,h,i)perylene	26.19	276	6849	0.338	ng	# 90

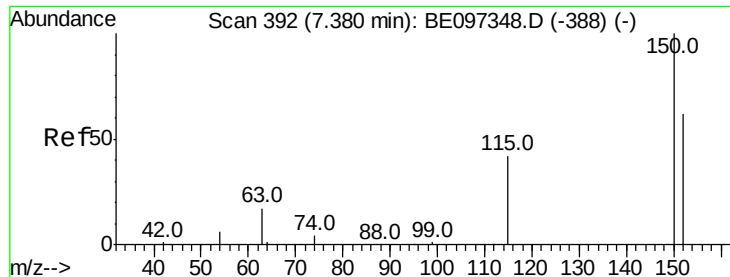
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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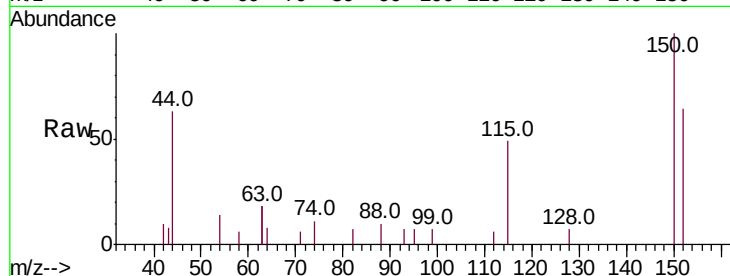


#1

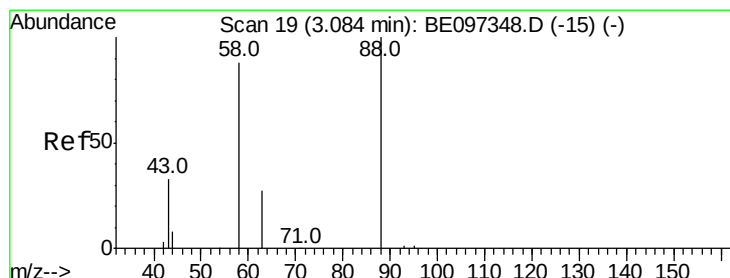
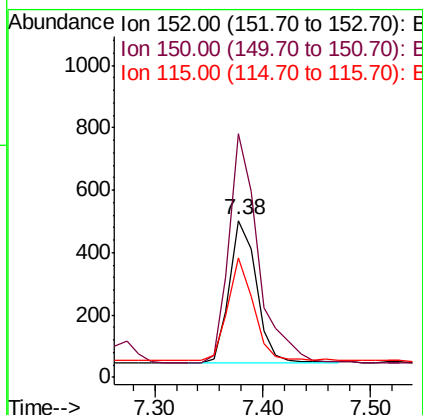
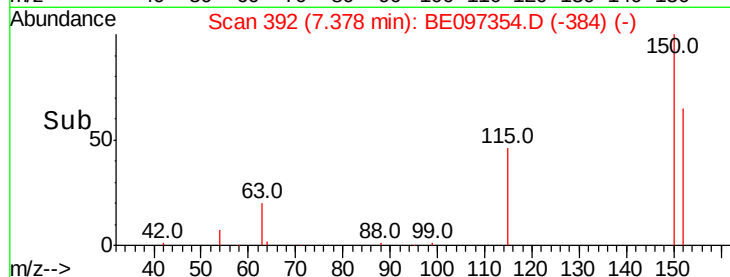
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097354.D
Acq: 23 Aug 2018 10:35

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 796
Ion Ratio Lower Upper
152 100
150 155.3 117.2 175.8
115 75.9 57.0 85.6



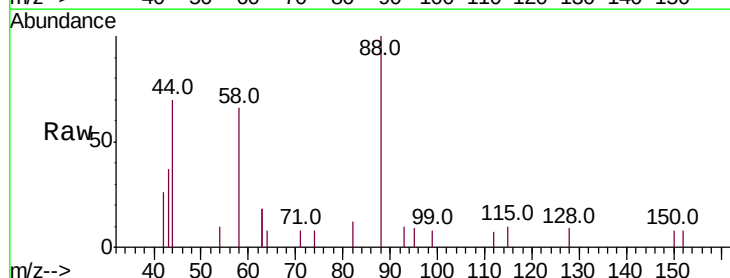
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



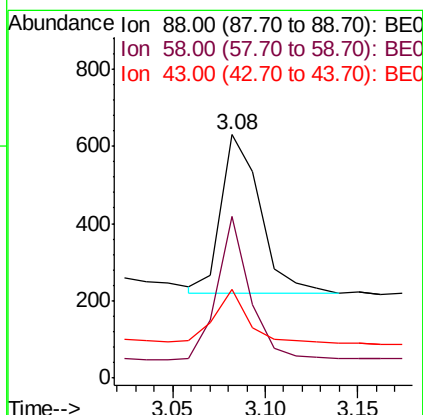
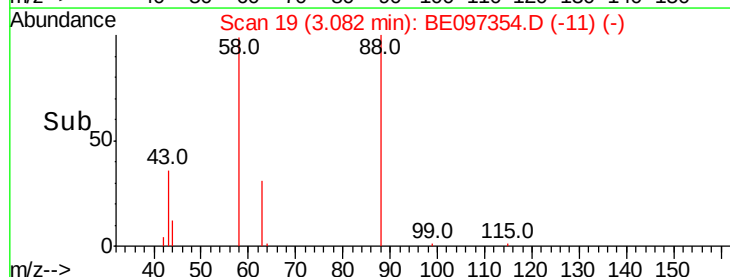
#2

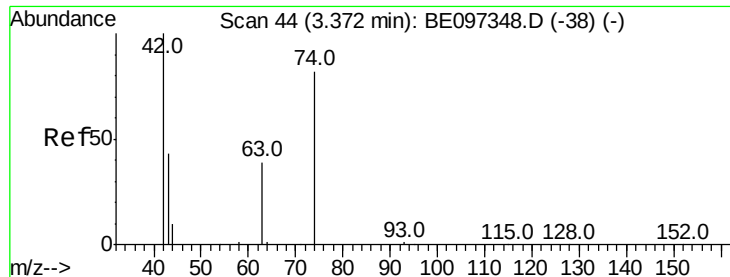
1,4-Dioxane
Concen: 0.427 ng
RT: 3.08 min Scan# 19
Delta R.T. -0.00 min
Lab File: BE097354.D
Acq: 23 Aug 2018 10:35

Tgt Ion: 88 Resp: 604
Ion Ratio Lower Upper
88 100
58 75.2 63.2 94.8
43 28.5 41.2 61.8#



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



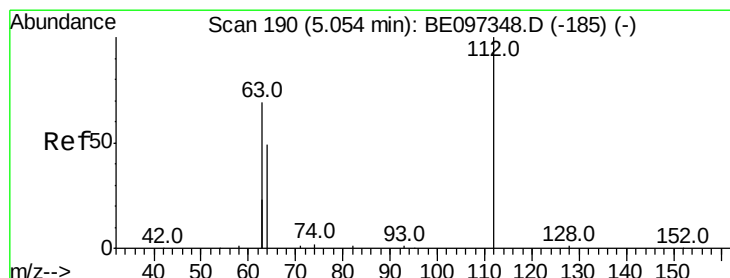
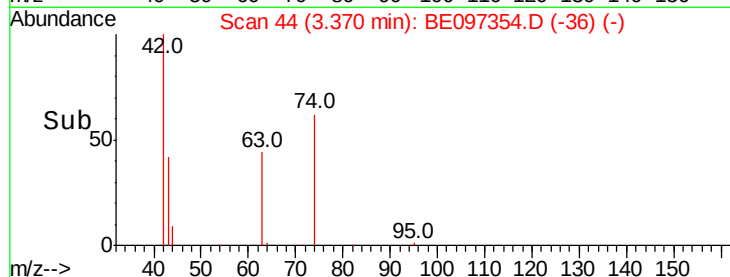
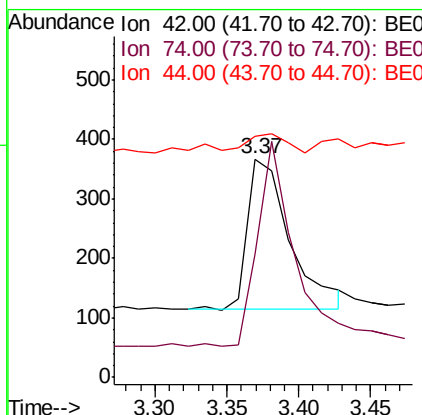
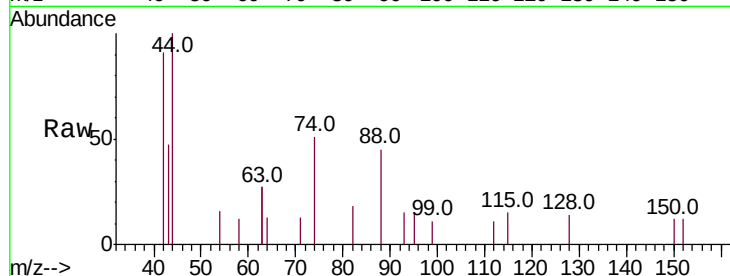


#3

n-Nitrosodimethylamine
 Concen: 0.391 ng
 RT: 3.37 min Scan# 44
 Delta R.T. -0.00 min
 Lab File: BE097354.D
 Acq: 23 Aug 2018 10:35

Instrument :
 BNA_E
 ClientSampleId :

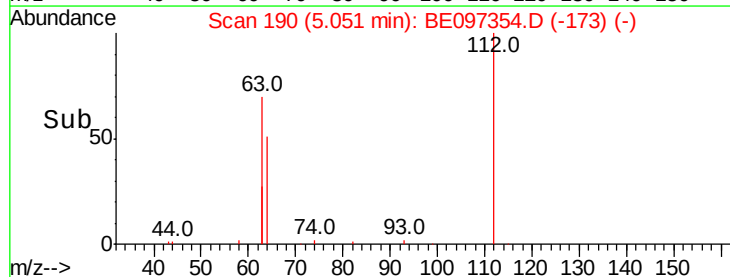
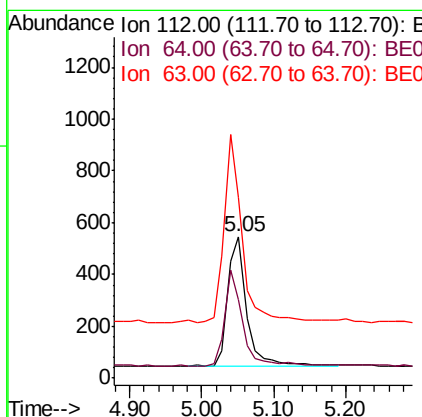
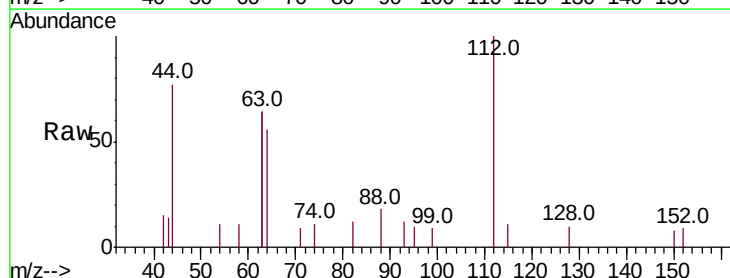
Tot Ion: 42 Resp: 517
 Ion Ratio Lower Upper
 42 100
 74 117.8 96.0 144.0
 44 16.2 12.0 18.0

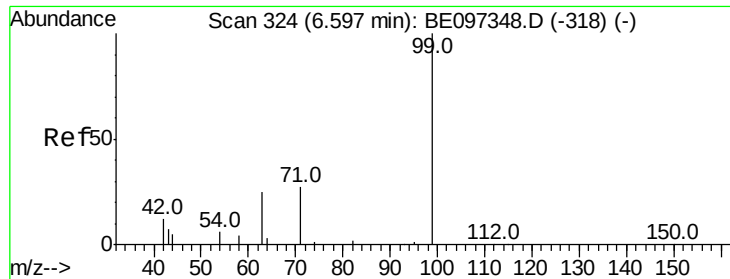


#4

2-Fluorophenol
 Concen: 0.398 ng
 RT: 5.05 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: BE097354.D
 Acq: 23 Aug 2018 10:35

Tgt Ion: 112 Resp: 936
 Ion Ratio Lower Upper
 112 100
 64 67.5 60.1 90.1
 63 137.9 116.8 175.2





#5

Phenol-d6

Concen: 0.375 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

Instrument :

BNA_E

ClientSampleId :

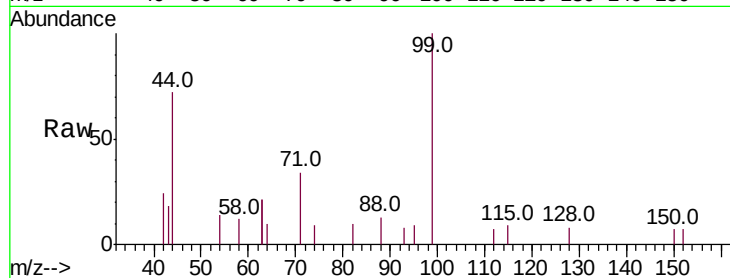
Tot Ion: 99 Resp: 1180

Ion Ratio Lower Upper

99 100

42 22.3 20.2 30.2

71 34.0 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

6.59

600

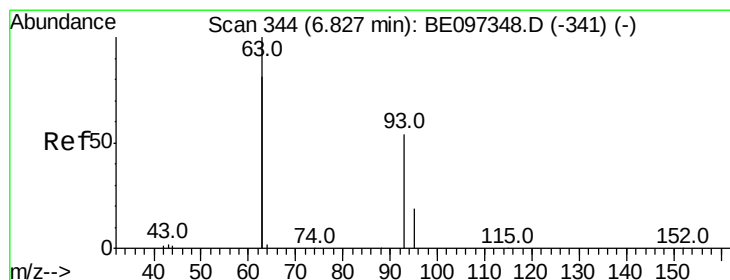
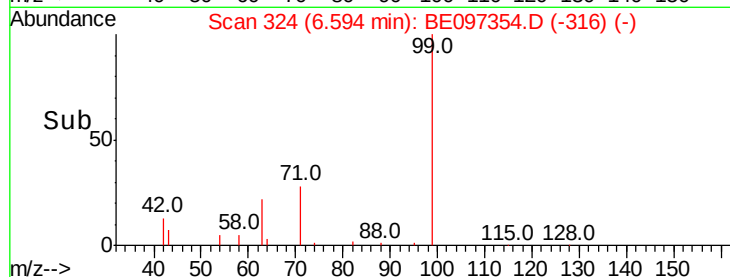
400

200

0

6.50 6.55 6.60 6.65

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.390 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

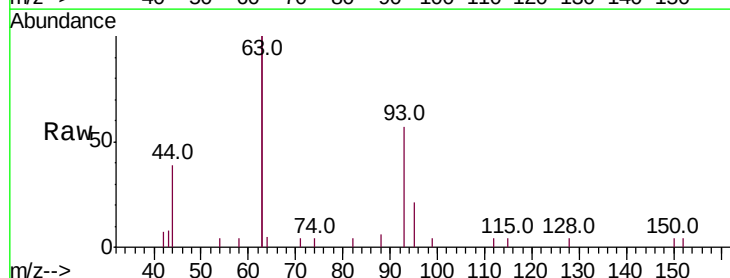
Tgt Ion: 93 Resp: 1130

Ion Ratio Lower Upper

93 100

63 337.4 275.3 412.9

95 35.3 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

6.82

3000

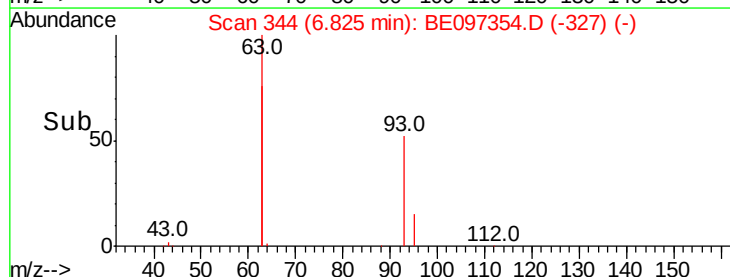
2000

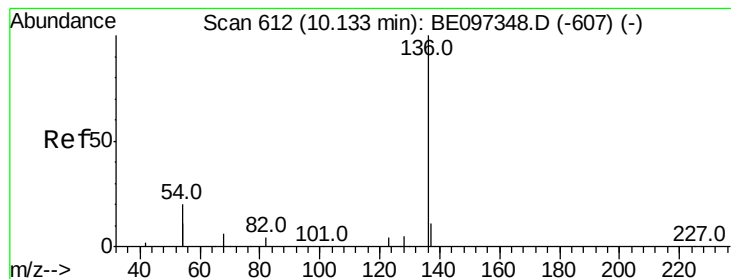
1000

0

6.75 6.80 6.85 6.90 6.95

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3689

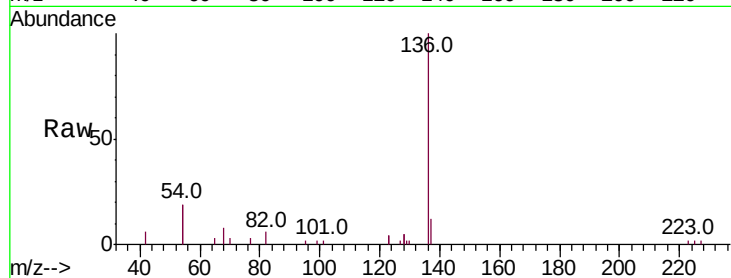
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 38.6 29.1 43.7

68 8.0 6.2 9.2

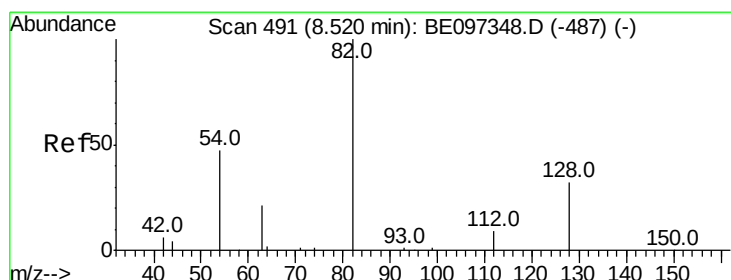
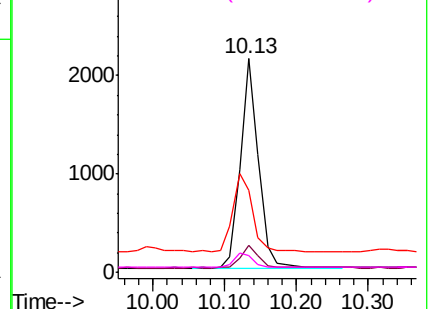
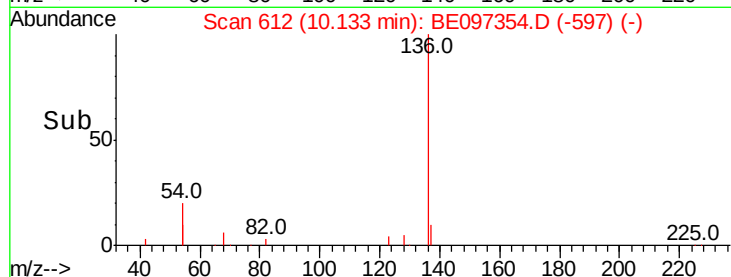


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.406 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

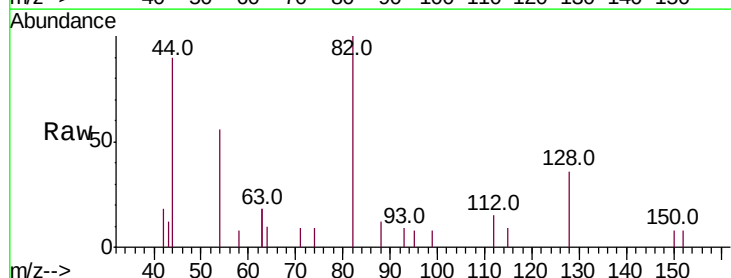
Tgt Ion: 82 Resp: 1074

Ion Ratio Lower Upper

82 100

128 36.3 24.0 36.0#

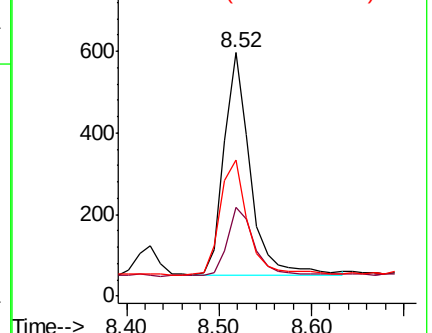
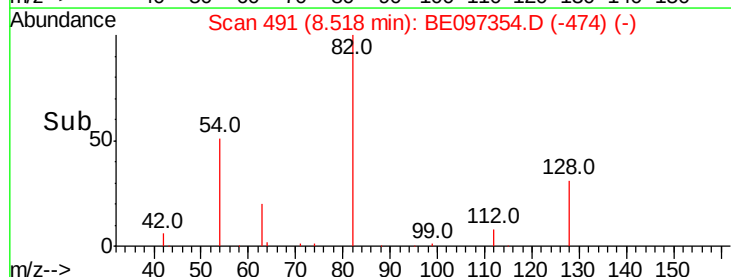
54 55.9 40.0 60.0

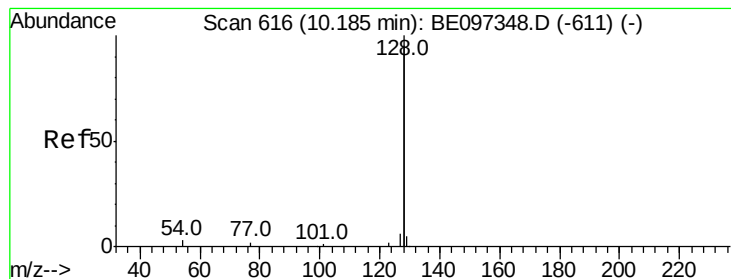


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.419 ng

RT: 10.19 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

Instrument :

BNA_E

ClientSampleId :

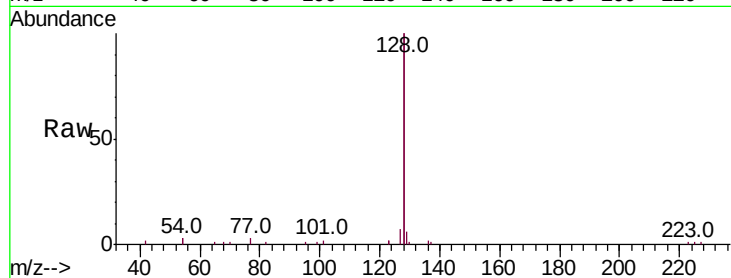
Tot Ion:128 Resp: 14063

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

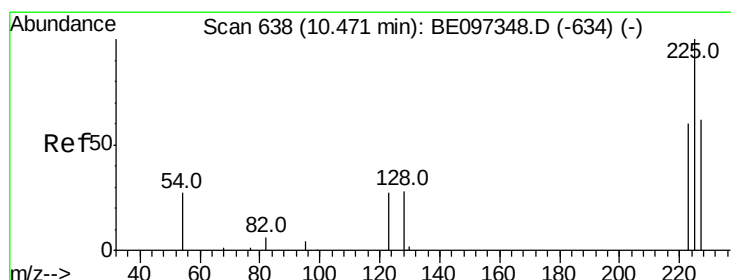
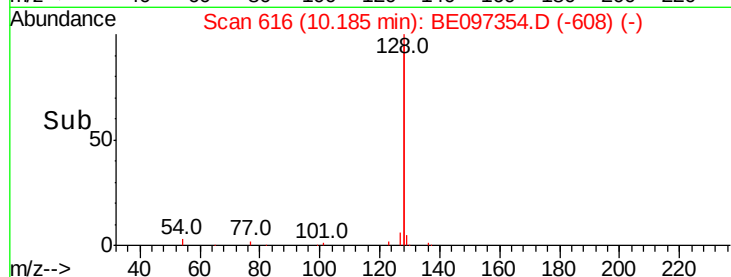
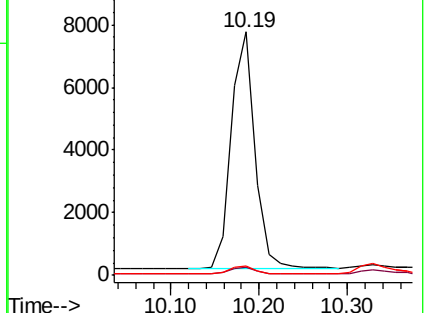
127 3.7 2.8 4.2



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: 0.424 ng

RT: 10.47 min Scan# 638

Delta R.T. 0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

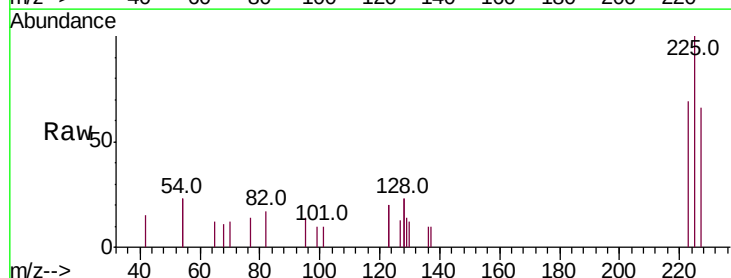
Tgt Ion:225 Resp: 636

Ion Ratio Lower Upper

225 100

223 65.3 53.0 79.6

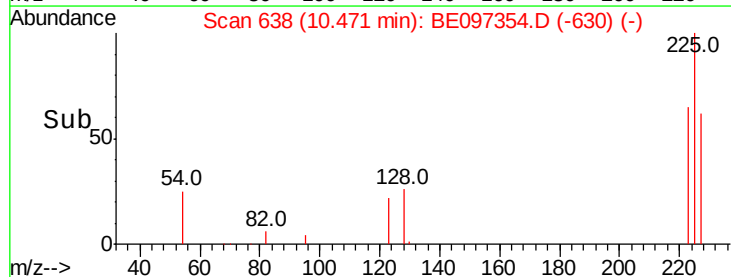
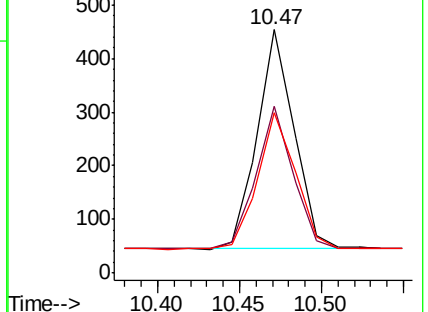
227 65.3 51.4 77.2

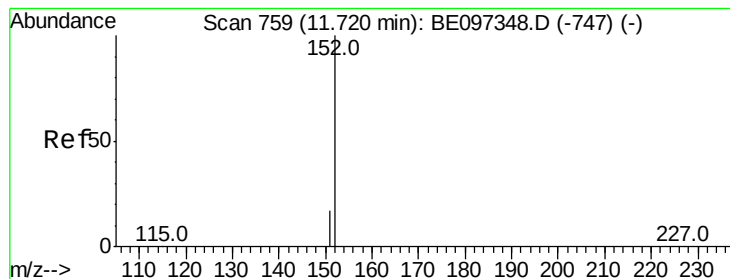


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.410 ng

RT: 11.72 min Scan# 759

Delta R.T. 0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

Instrument :

BNA_E

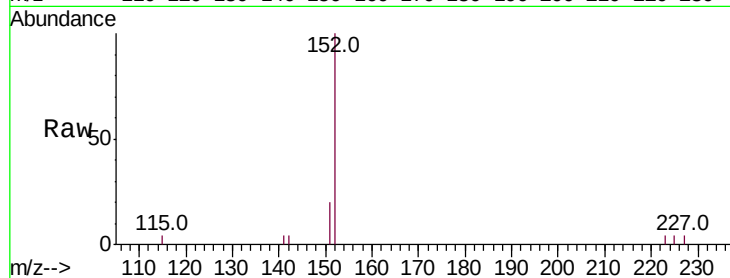
ClientSampleId :

Tot Ion:152 Resp: 2107

Ion Ratio Lower Upper

152 100

151 18.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

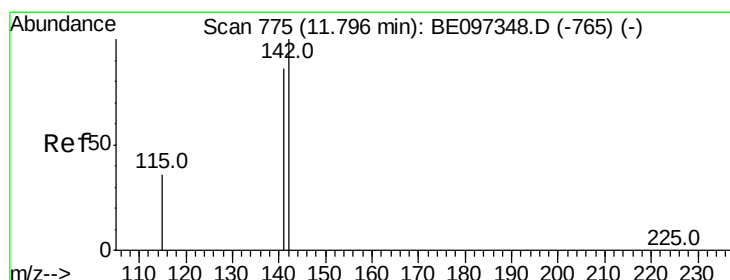
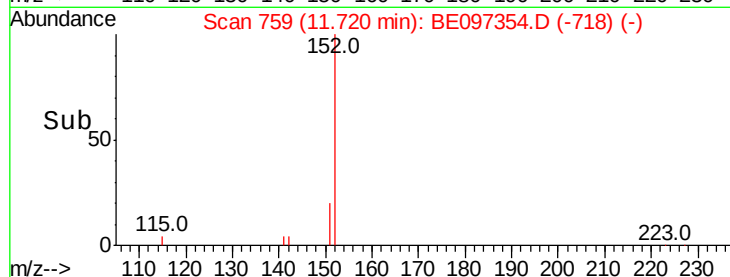
11.72

1000

500

0

Time--> 11.60 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.413 ng

RT: 11.80 min Scan# 775

Delta R.T. 0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

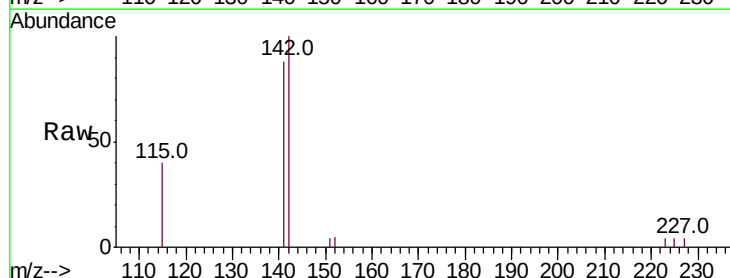
Tgt Ion:142 Resp: 2186

Ion Ratio Lower Upper

142 100

141 88.2 70.4 105.6

115 40.3 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

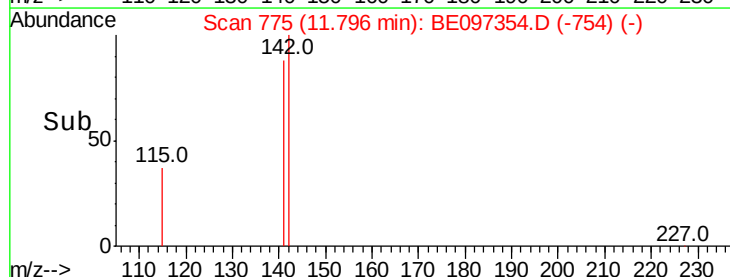
1500

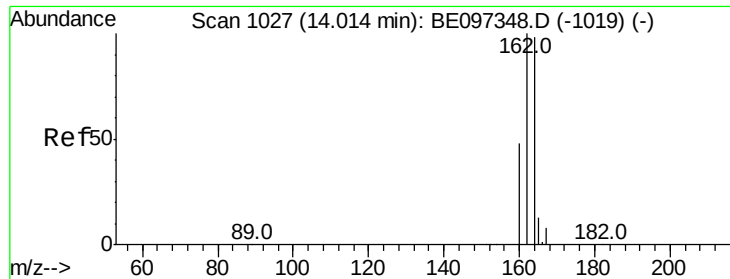
1000

500

0

Time--> 11.70 11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

Instrument :

BNA_E

ClientSampleId :

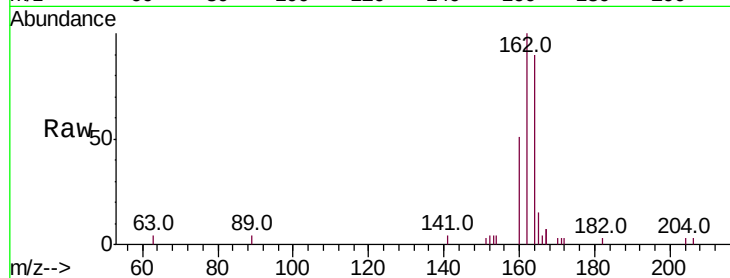
Tot Ion:164 Resp: 1947

Ion Ratio Lower Upper

164 100

162 110.7 83.1 124.7

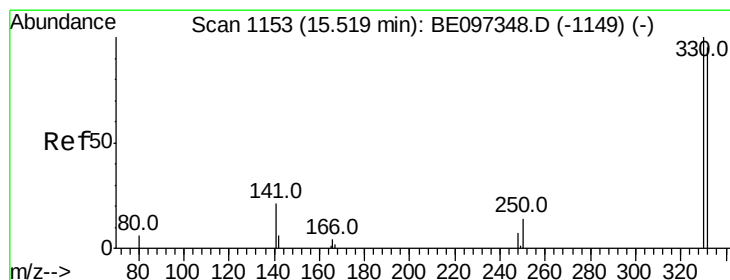
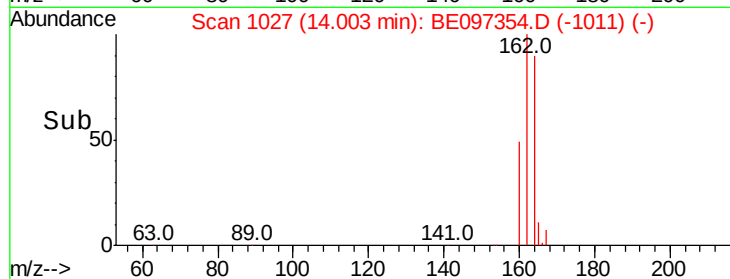
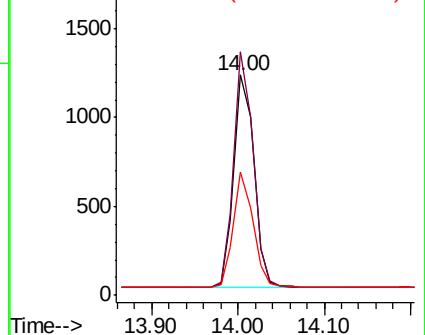
160 55.9 37.1 55.7#



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: 0.369 ng

RT: 15.52 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

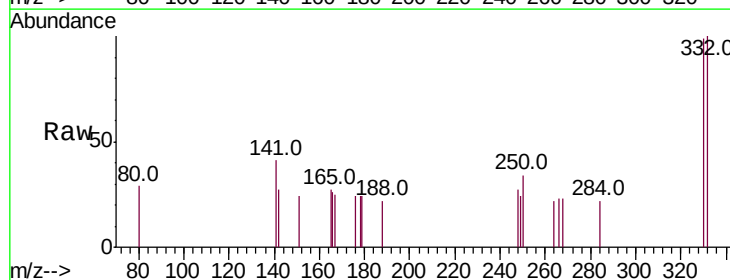
Tgt Ion:330 Resp: 243

Ion Ratio Lower Upper

330 100

332 97.9 152.7 229.1#

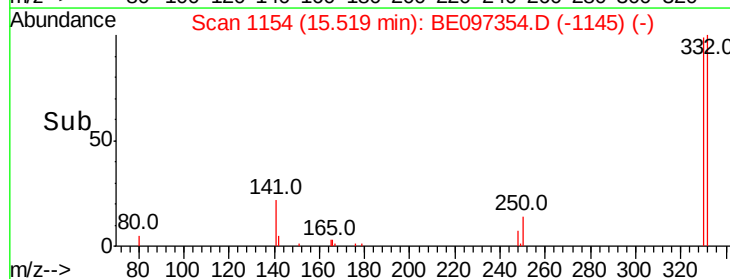
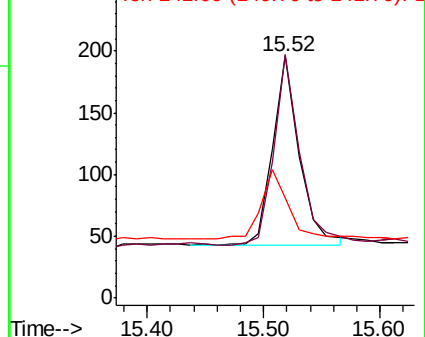
141 36.6 33.7 50.5

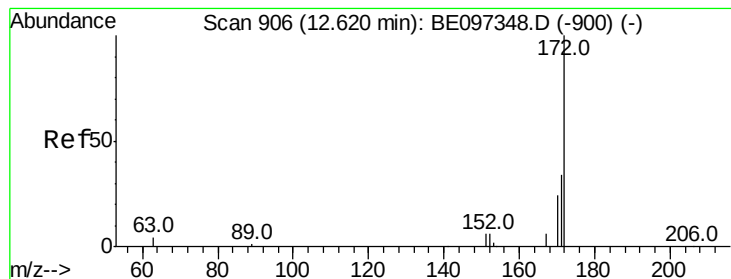


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

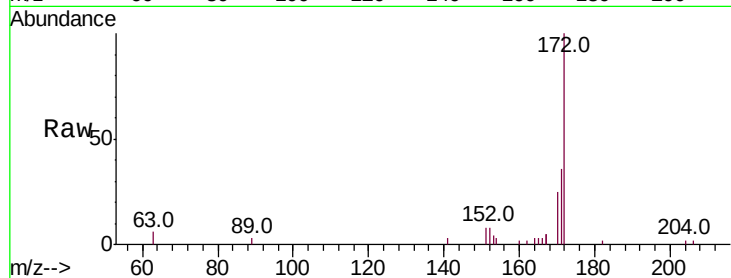




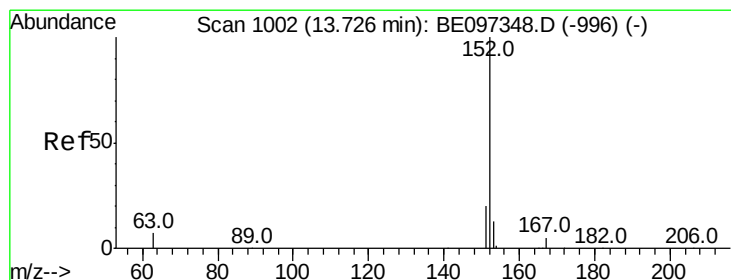
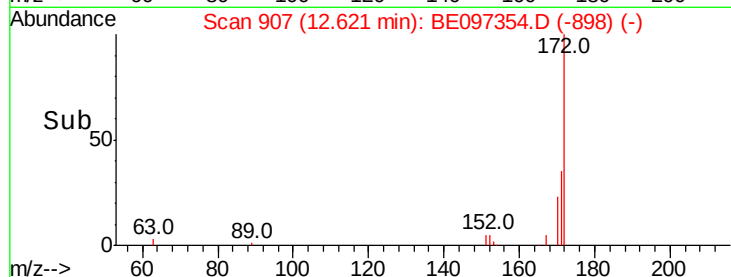
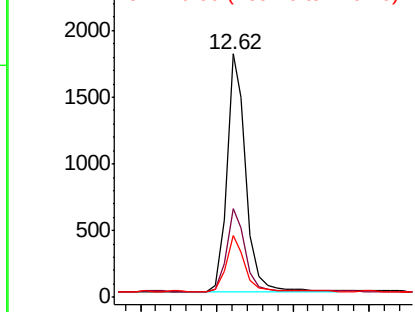
#15
2-Fluorobiphenyl
Concen: 0.436 ng
RT: 12.62 min Scan# 907
Delta R.T. 0.00 min
Lab File: BE097354.D
Acq: 23 Aug 2018 10:35

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 3113
Ion Ratio Lower Upper
172 100
171 36.5 29.9 44.9
170 25.2 21.8 32.8

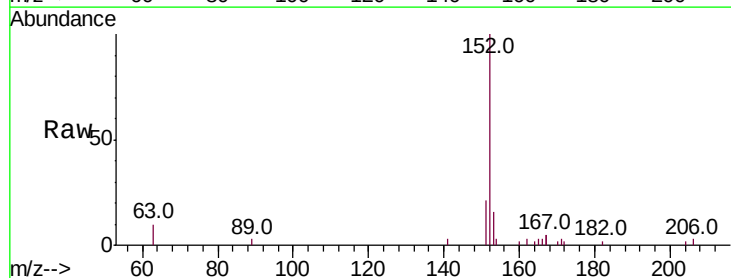


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

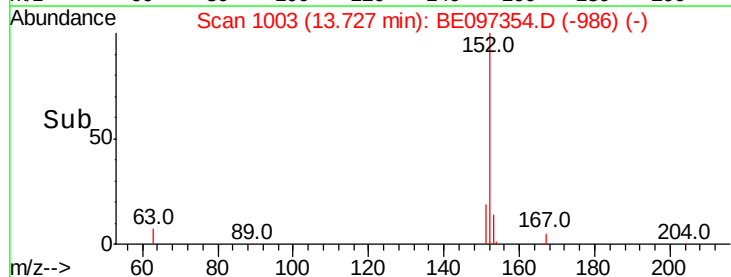
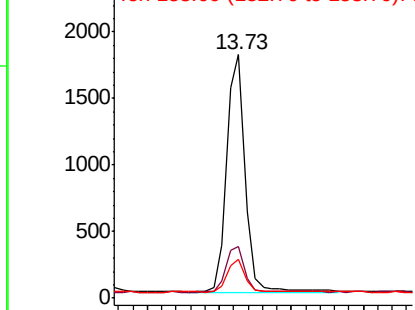


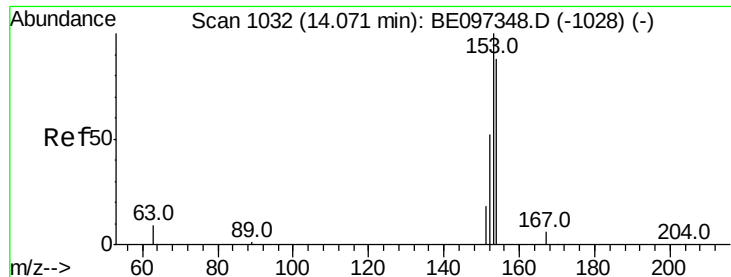
#16
Acenaphthylene
Concen: 0.409 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097354.D
Acq: 23 Aug 2018 10:35

Tgt Ion:152 Resp: 3169
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.0 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: 0.421 ng

RT: 14.07 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

Instrument :

BNA_E

ClientSampleId :

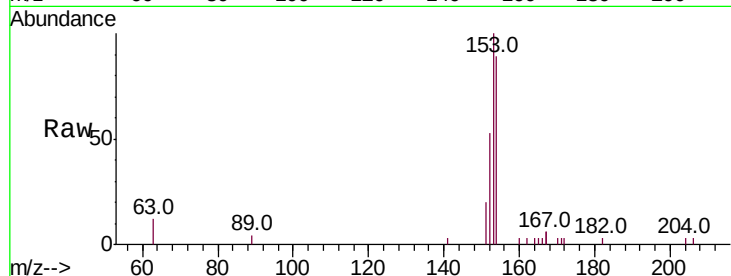
Tot Ion:154 Resp: 2175

Ion Ratio Lower Upper

154 100

153 113.4 89.2 133.8

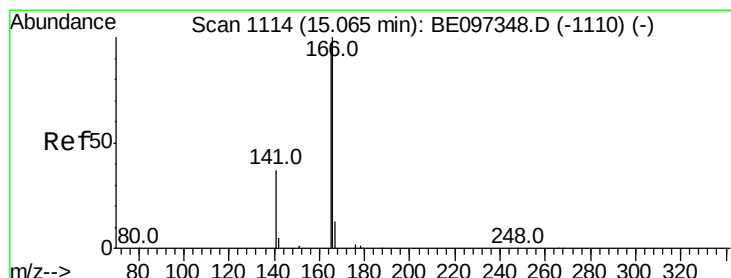
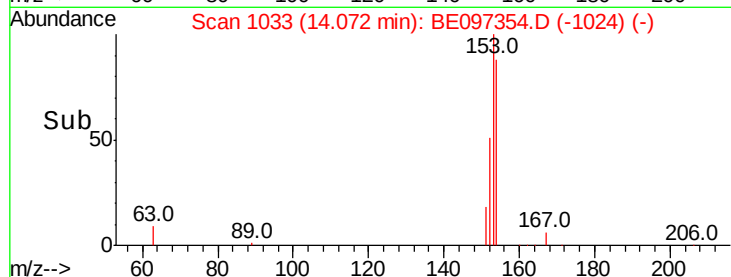
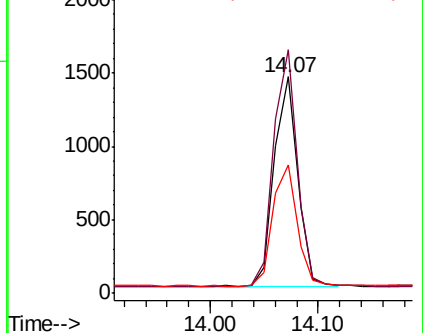
152 59.5 42.0 63.0



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: 0.406 ng

RT: 15.06 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

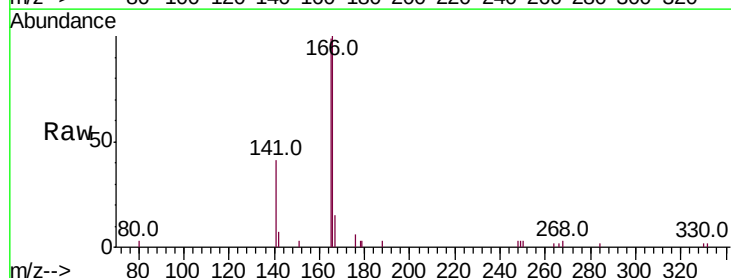
Tgt Ion:166 Resp: 2650

Ion Ratio Lower Upper

166 100

165 98.0 77.8 116.6

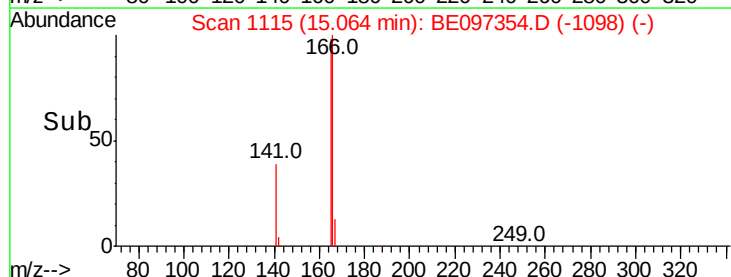
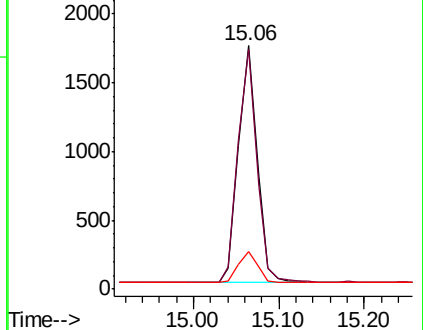
167 13.8 42.4 63.6#

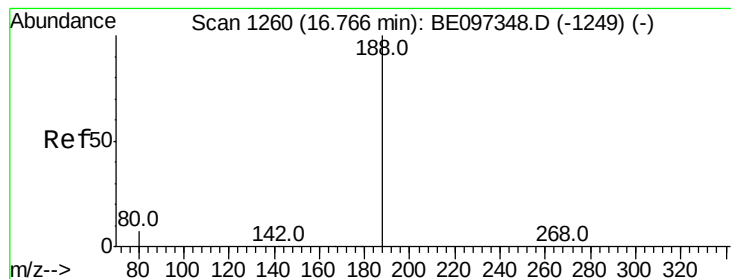


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.77 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

Instrument :

BNA_E

ClientSampleId :

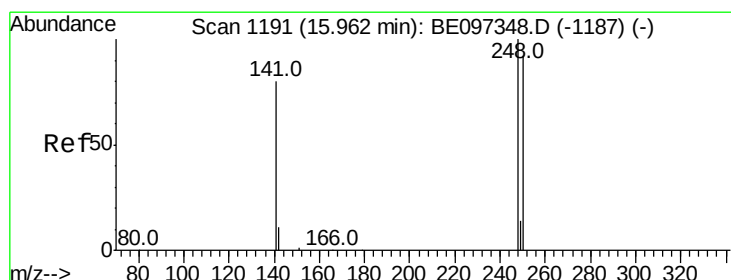
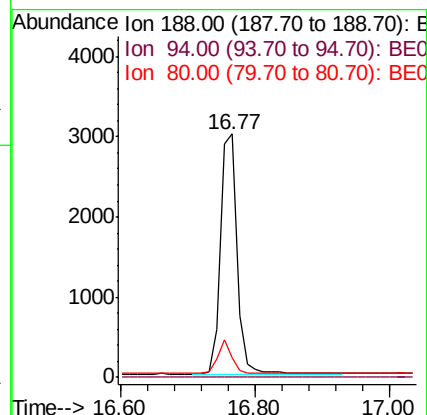
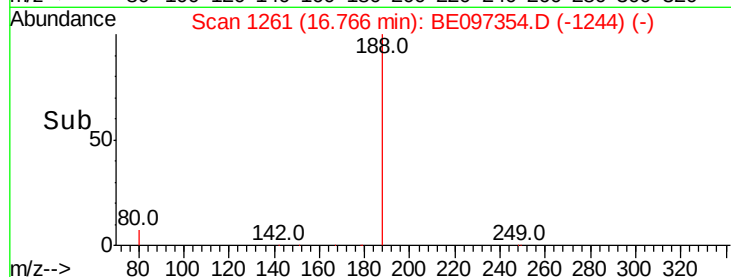
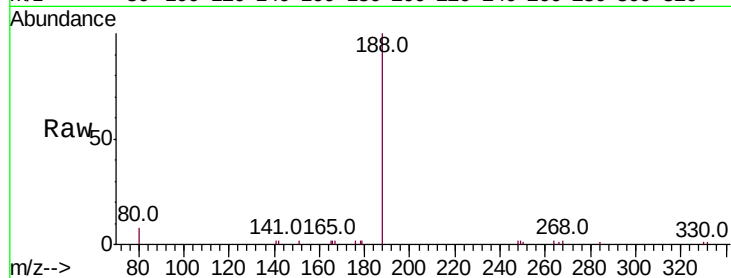
Tot Ion:188 Resp: 5225

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 8.3 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.428 ng

RT: 15.96 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

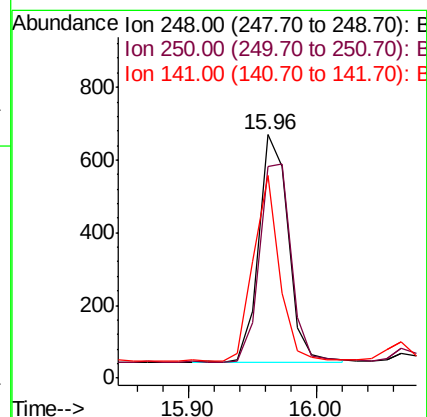
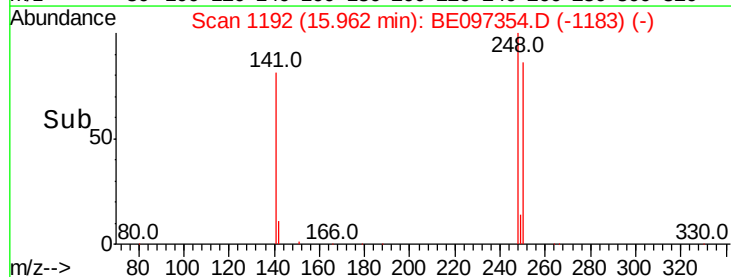
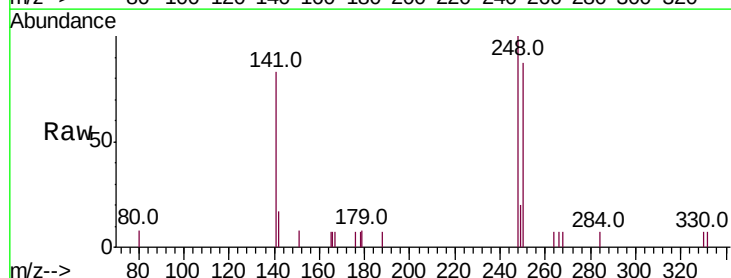
Tgt Ion:248 Resp: 1016

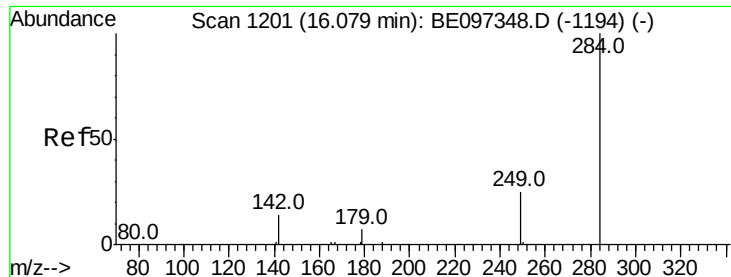
Ion Ratio Lower Upper

248 100

250 87.2 62.7 94.1

141 83.1 48.2 72.2#

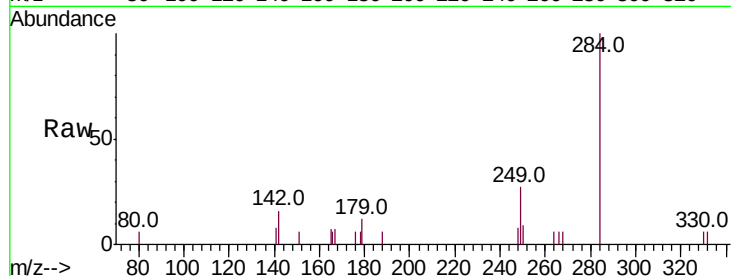




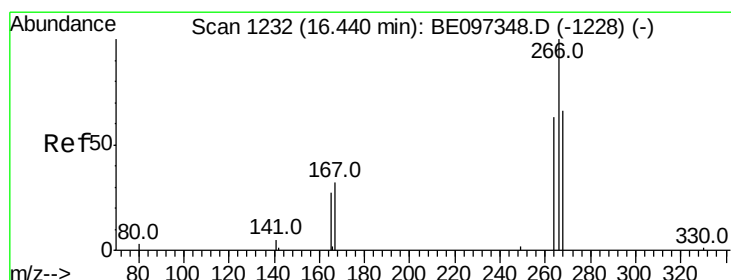
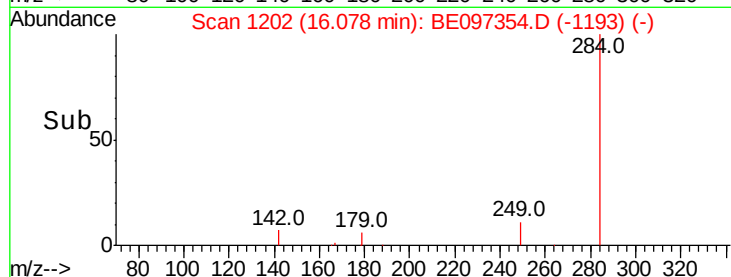
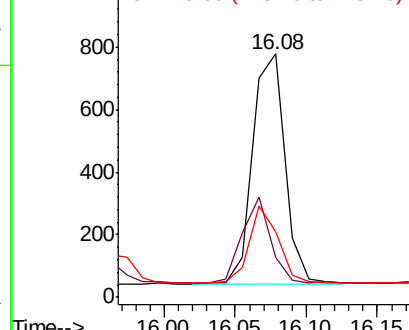
#21
Hexachlorobenzene
Concen: 0.439 ng
RT: 16.08 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BE097354.D
Acq: 23 Aug 2018 10:35

Instrument :
BNA_E
ClientSampled :

Tot Ion:284 Resp: 1154
Ion Ratio Lower Upper
284 100
142 32.4 22.1 33.1
249 29.7 34.8 52.2#

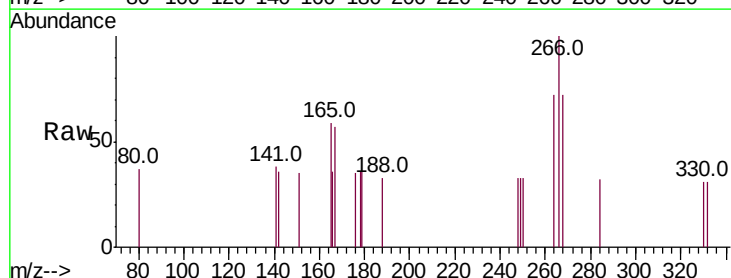


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

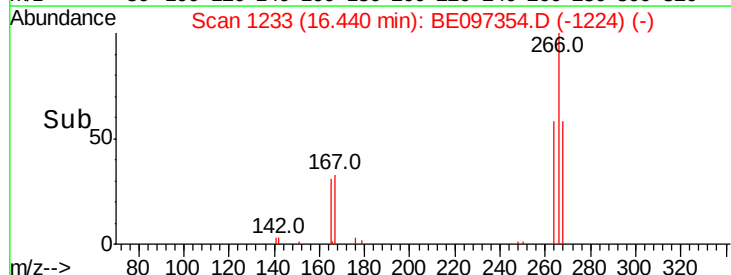
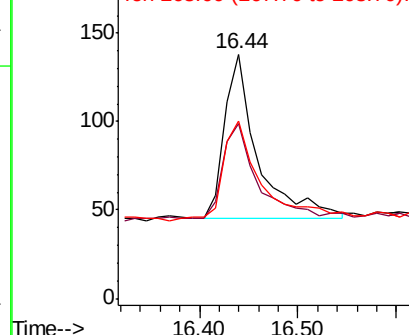


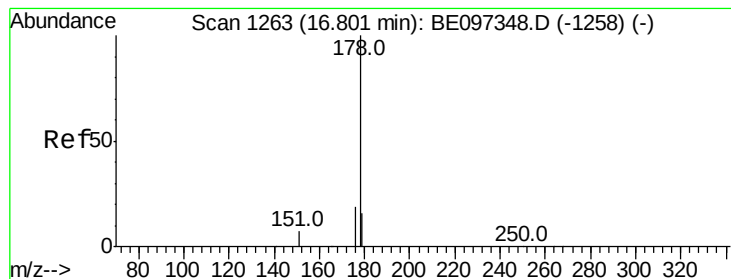
#22
Pentachlorophenol
Concen: 0.417 ng
RT: 16.44 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE097354.D
Acq: 23 Aug 2018 10:35

Tgt Ion:266 Resp: 219
Ion Ratio Lower Upper
266 100
264 71.7 72.5 108.7#
268 72.5 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: 0.423 ng

RT: 16.80 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

Instrument :

BNA_E

ClientSampleId :

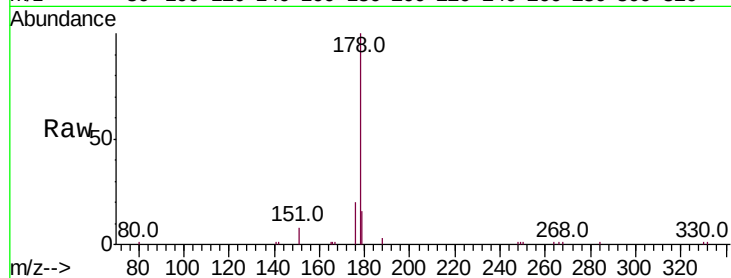
Tot Ion:178 Resp: 5255

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

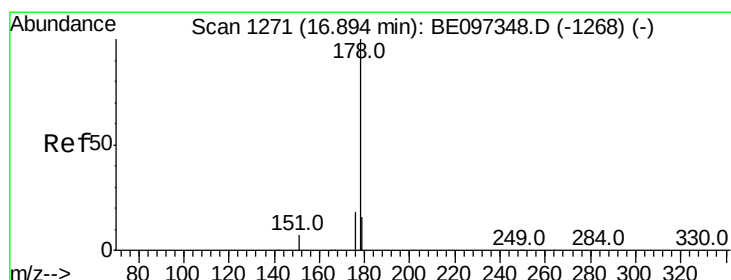
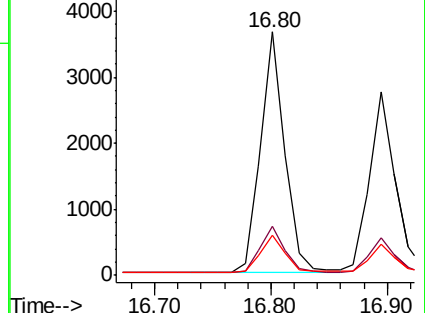
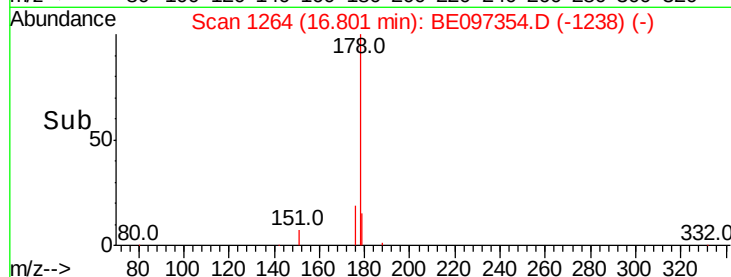
179 15.6 11.8 17.6



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: 0.399 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

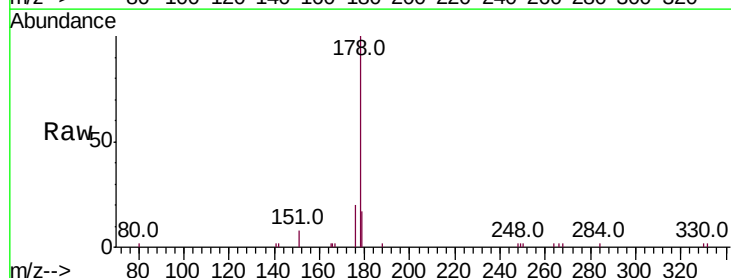
Tgt Ion:178 Resp: 4223

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

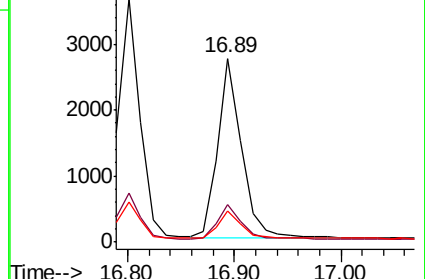
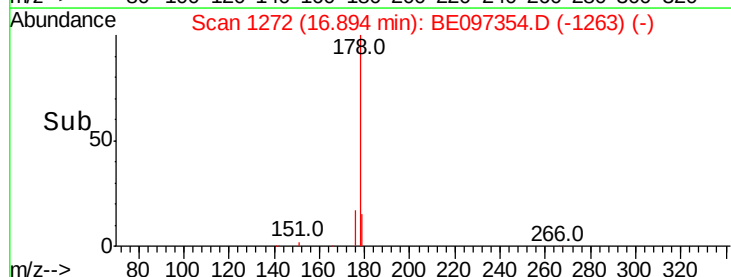
179 14.8 13.0 19.6

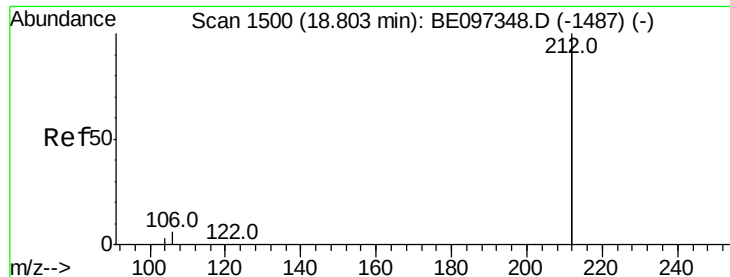


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.420 ng

RT: 18.80 min Scan# 1501

Delta R.T. 0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

Instrument :

BNA_E

ClientSampleId :

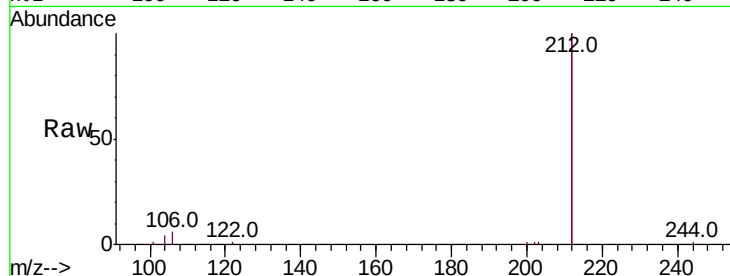
Tot Ion:212 Resp: 25188

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

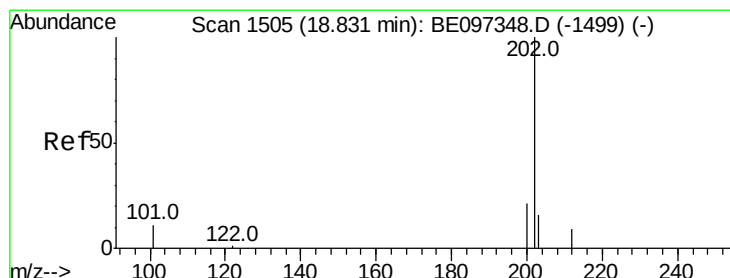
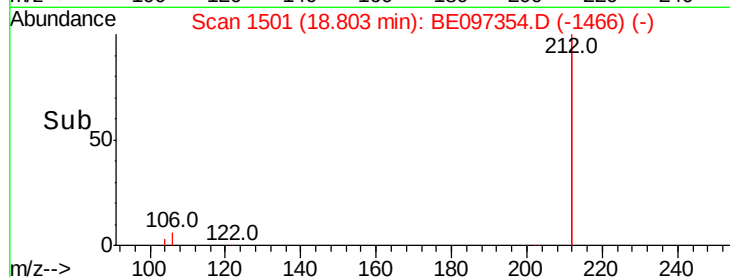
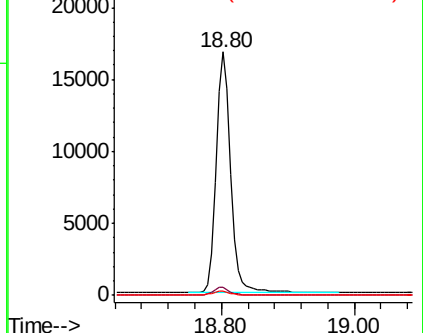
104 1.7 1.6 2.4



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: 0.420 ng

RT: 18.83 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

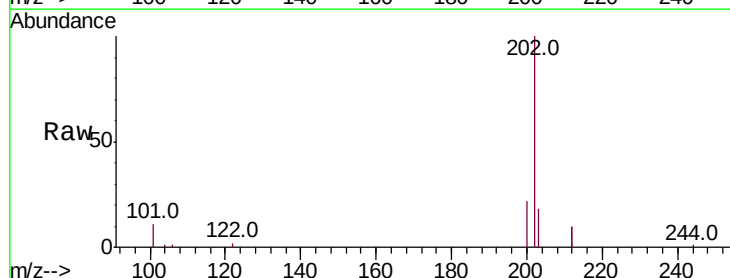
Tgt Ion:202 Resp: 6550

Ion Ratio Lower Upper

202 100

101 11.0 9.8 14.8

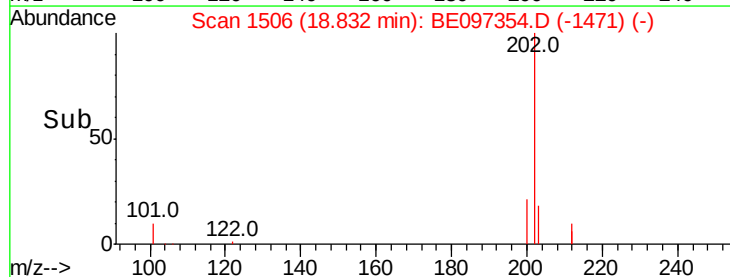
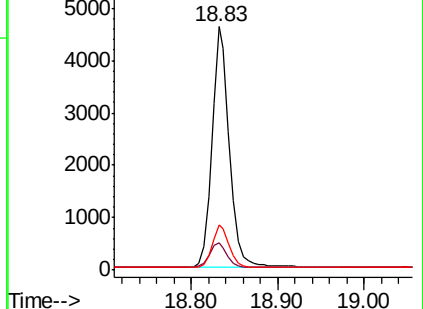
203 17.4 13.7 20.5

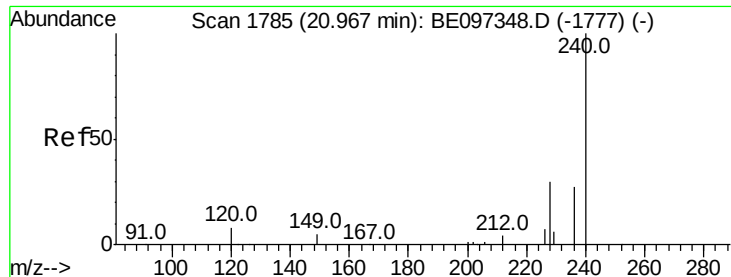


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

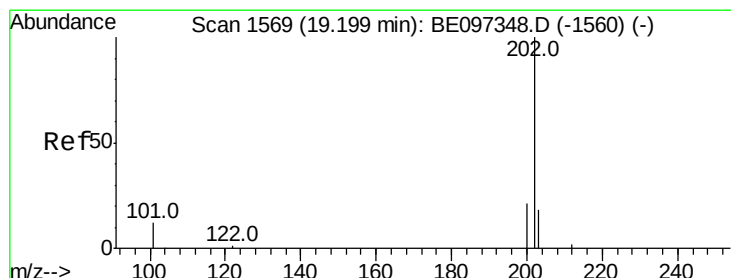
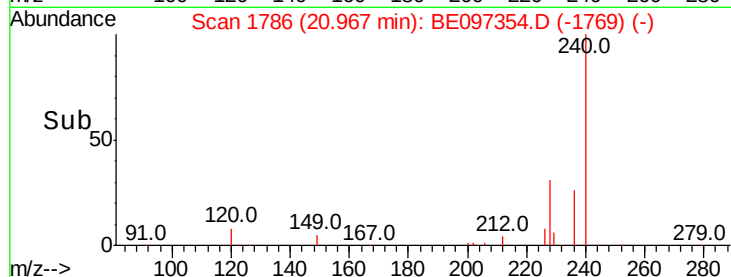
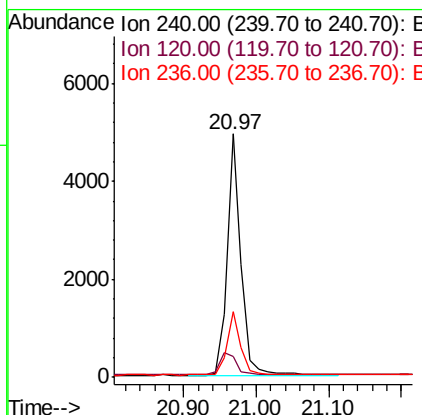
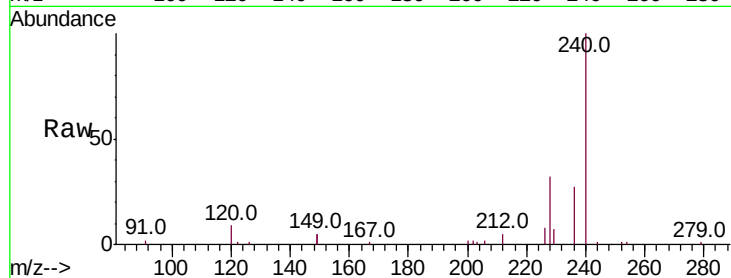




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.97 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BE097354.D
 Acq: 23 Aug 2018 10:35

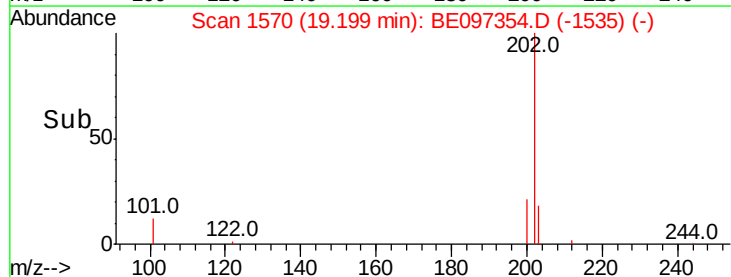
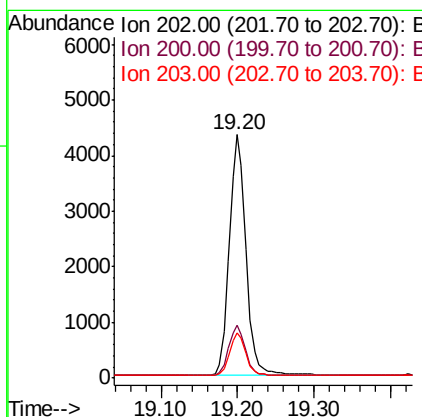
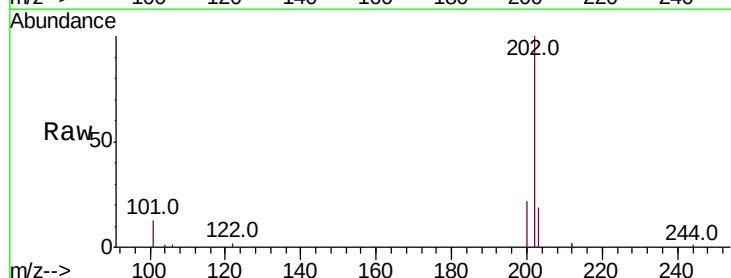
Instrument :
 BNA_E
 ClientSampleId :

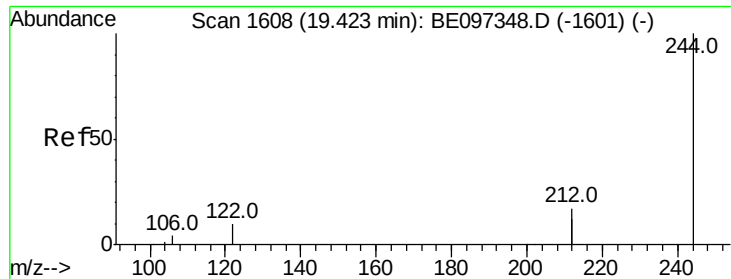
Tot Ion:240 Resp: 6680
 Ion Ratio Lower Upper
 240 100
 120 8.6 5.5 8.3#
 236 27.0 20.7 31.1



#28
 Pyrene
 Concen: 0.417 ng
 RT: 19.20 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BE097354.D
 Acq: 23 Aug 2018 10:35

Tgt Ion:202 Resp: 6631
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.6 25.0
 203 17.3 13.8 20.8





#29

Terphenyl-d14

Concen: 0.406 ng

RT: 19.42 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

Instrument :

BNA_E

ClientSampleId :

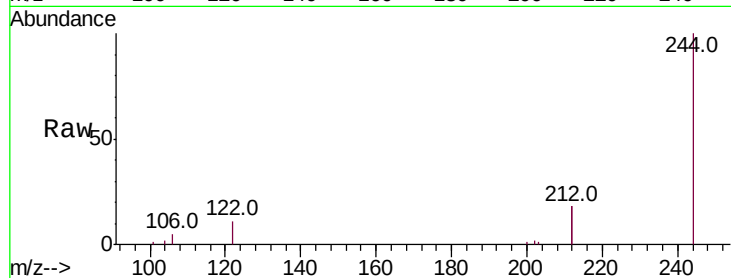
Tot Ion:244 Resp: 5006

Ion Ratio Lower Upper

244 100

212 35.4 25.4 38.0

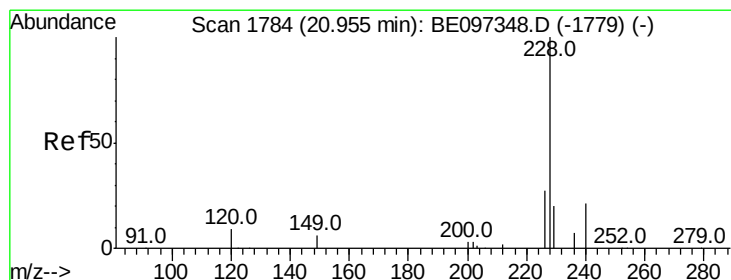
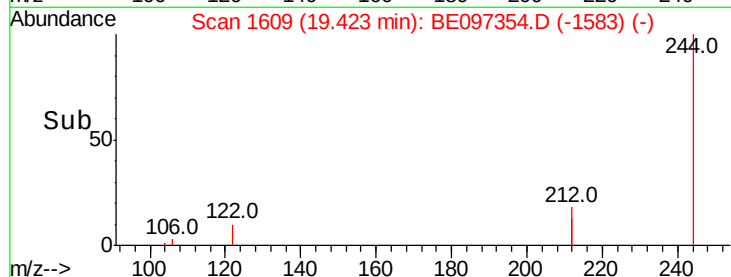
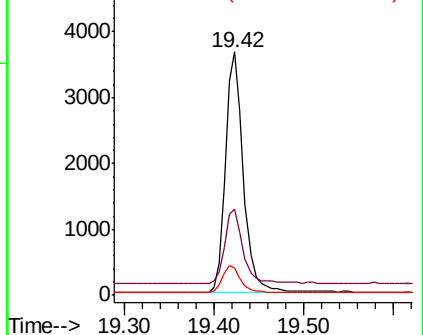
122 11.0 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

5000 Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.400 ng

RT: 20.96 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

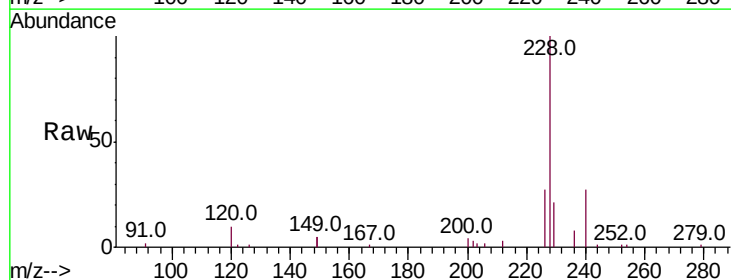
Tgt Ion:228 Resp: 6759

Ion Ratio Lower Upper

228 100

226 26.8 24.0 36.0

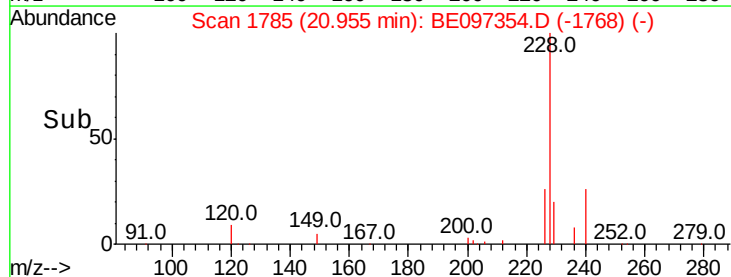
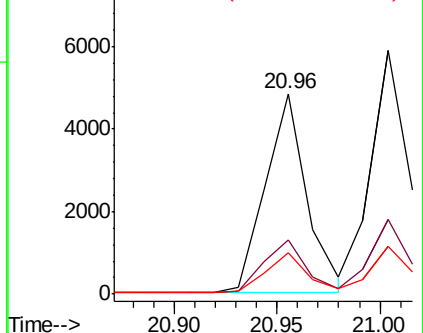
229 20.7 16.0 24.0

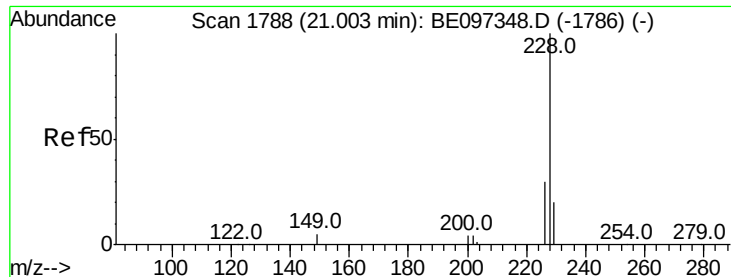


Abundance Ion 228.00 (227.70 to 228.70): E

8000 Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.421 ng

RT: 21.00 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

Instrument :

BNA_E

ClientSampleId :

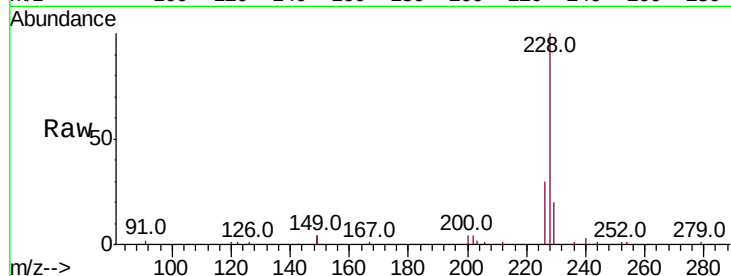
Tot Ion:228 Resp: 7664

Ion Ratio Lower Upper

228 100

226 30.5 24.0 36.0

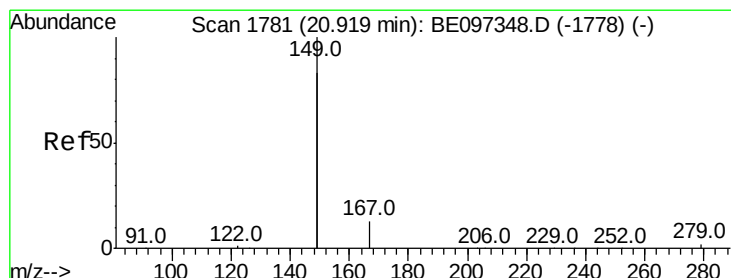
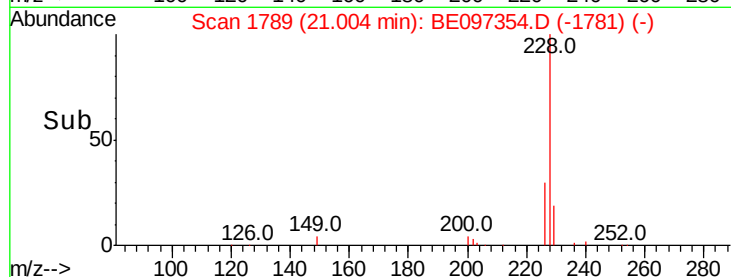
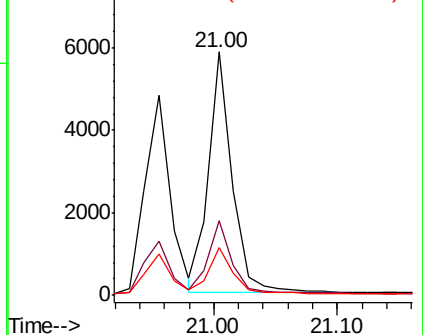
229 19.8 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

8000 Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.383 ng

RT: 20.91 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

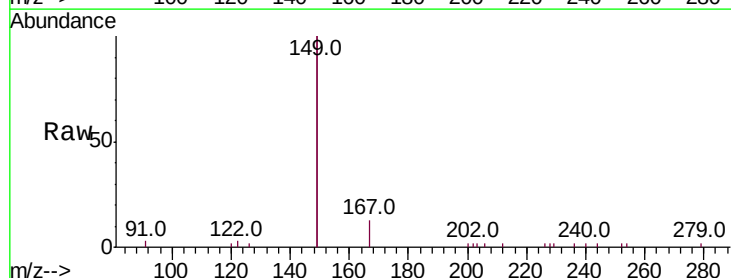
Tgt Ion:149 Resp: 7176

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

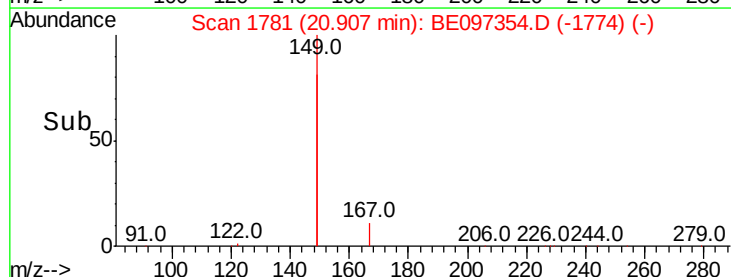
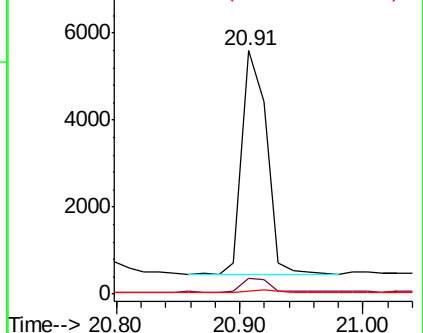
279 1.1 0.7 1.1

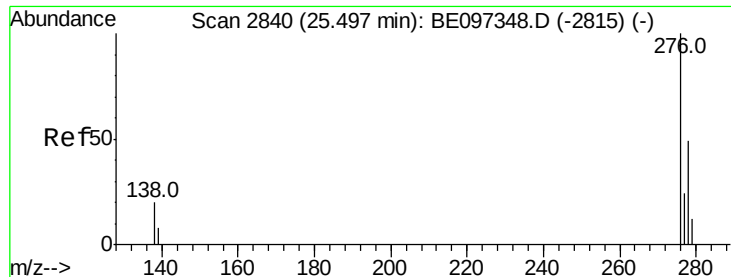


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

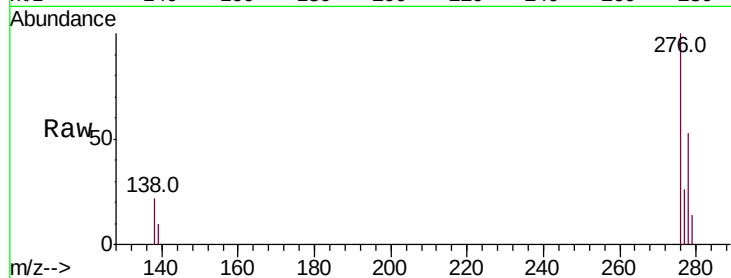




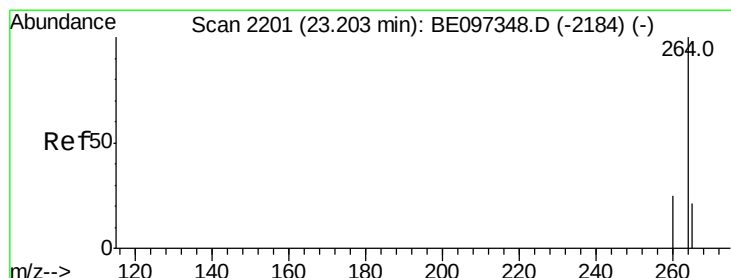
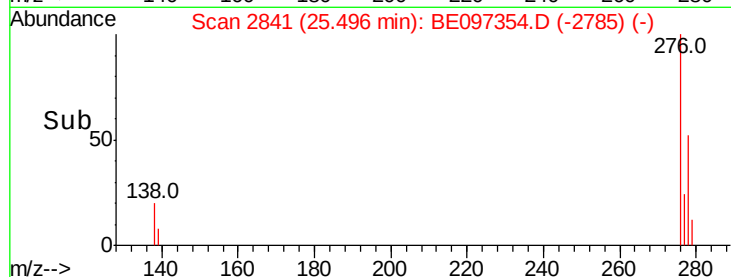
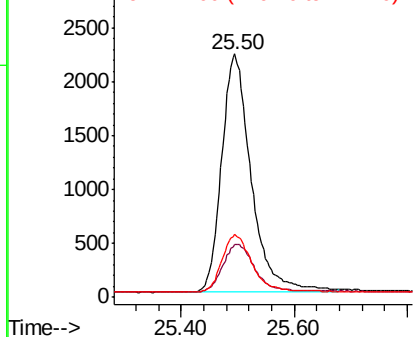
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.343 ng
 RT: 25.50 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: BE097354.D
 Acq: 23 Aug 2018 10:35

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 8061
 Ion Ratio Lower Upper
 276 100
 138 21.3 22.5 33.7#
 277 24.6 19.9 29.9

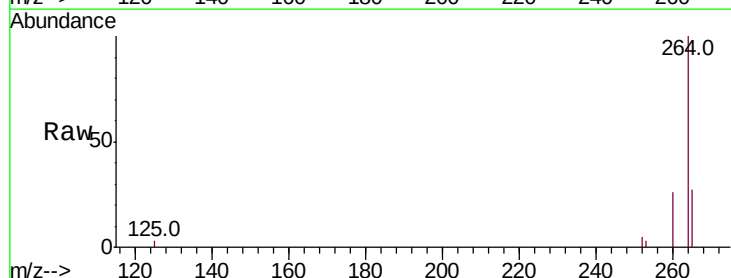


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

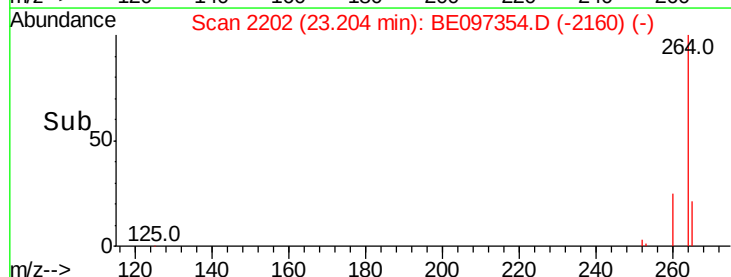
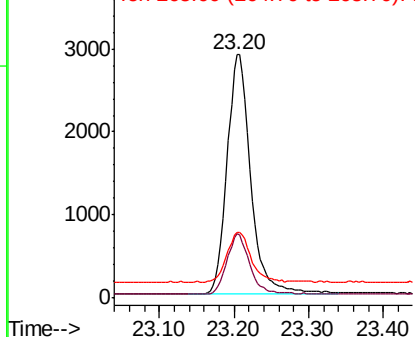


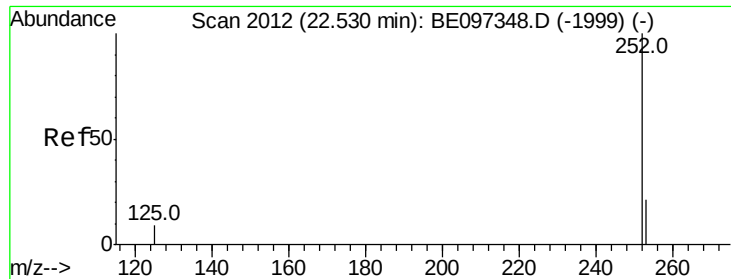
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.20 min Scan# 2202
 Delta R.T. 0.00 min
 Lab File: BE097354.D
 Acq: 23 Aug 2018 10:35

Tgt Ion:264 Resp: 6355
 Ion Ratio Lower Upper
 264 100
 260 26.2 20.5 30.7
 265 26.9 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.383 ng

RT: 22.53 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

Instrument :

BNA_E

ClientSampleId :

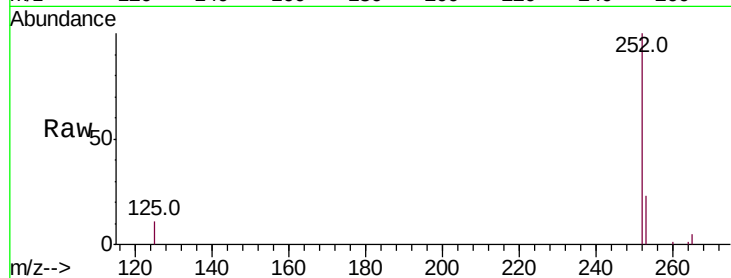
Tot Ion:252 Resp: 6513

Ion Ratio Lower Upper

252 100

253 23.0 20.0 30.0

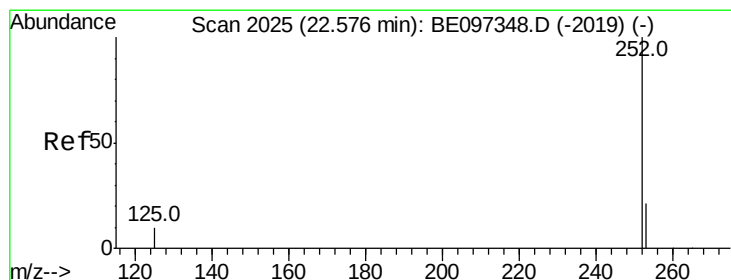
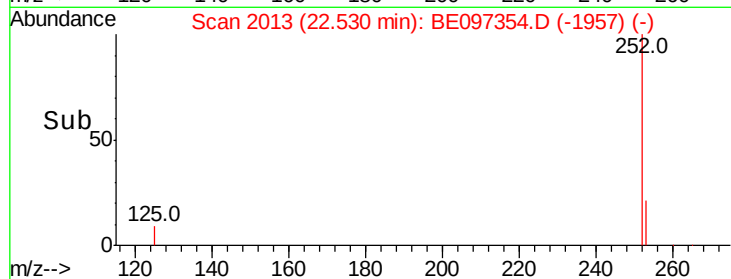
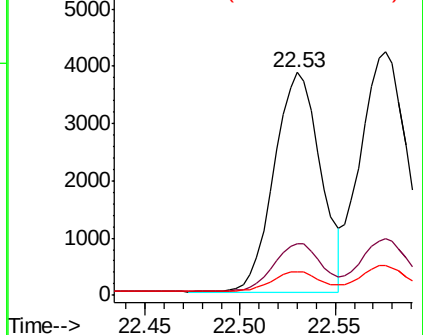
125 10.7 16.0 24.0#



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: 0.348 ng

RT: 22.53 min Scan# 2013

Delta R.T. -0.05 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

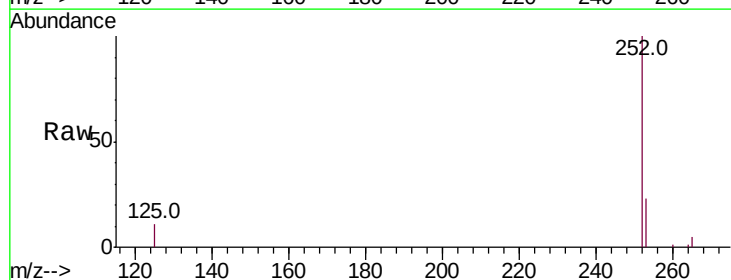
Tgt Ion:252 Resp: 6513

Ion Ratio Lower Upper

252 100

253 23.0 16.0 24.0

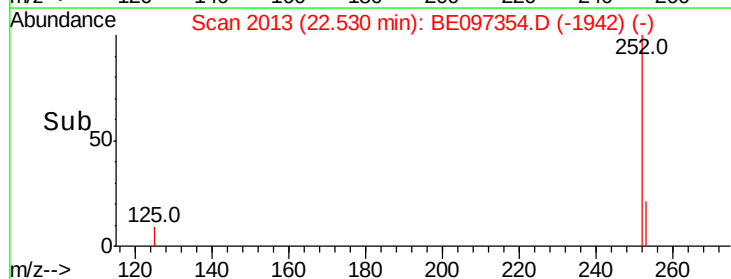
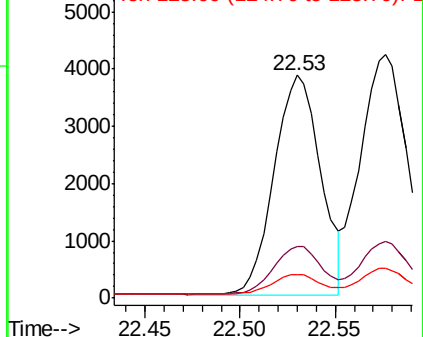
125 10.7 8.0 12.0

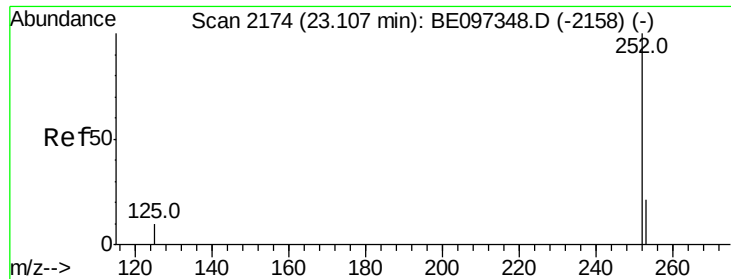


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.377 ng

RT: 23.10 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

Instrument :

BNA_E

ClientSampleId :

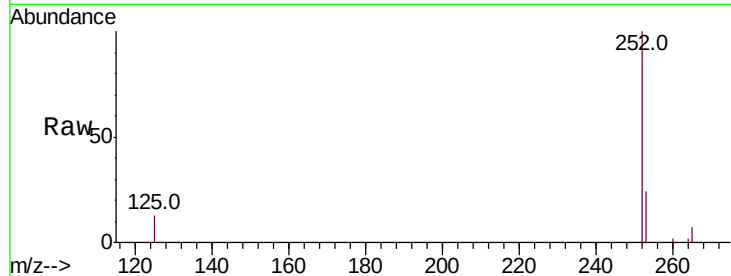
Tot Ion:252 Resp: 6185

Ion Ratio Lower Upper

252 100

253 23.8 16.0 24.0

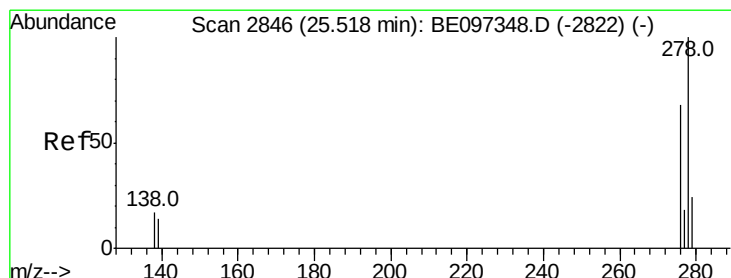
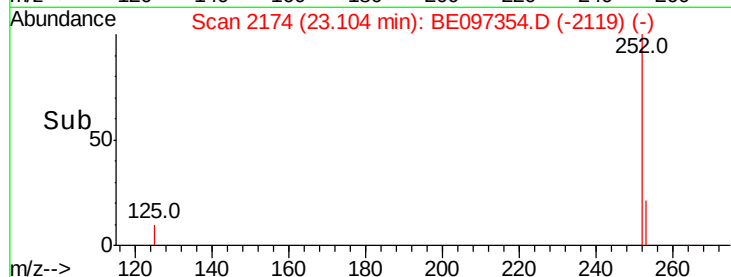
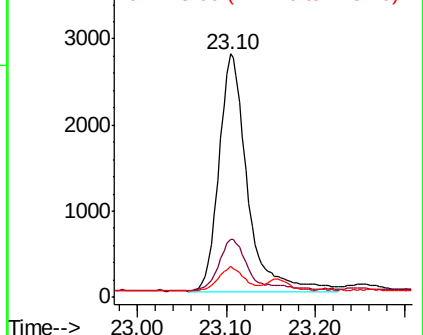
125 13.0 12.0 18.0



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: 0.349 ng

RT: 25.51 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

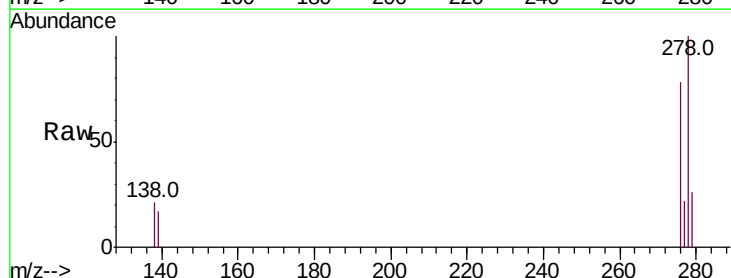
Tgt Ion:278 Resp: 6827

Ion Ratio Lower Upper

278 100

139 17.3 16.0 24.0

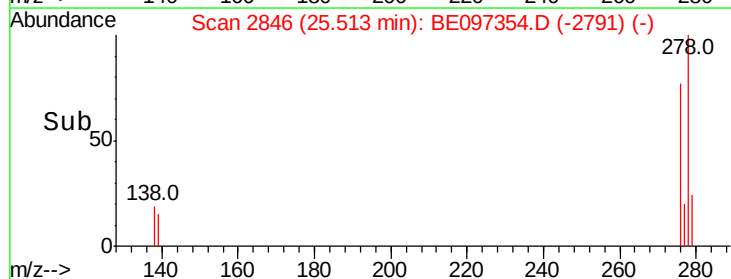
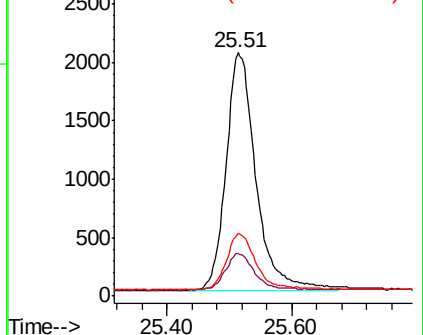
279 25.7 20.0 30.0

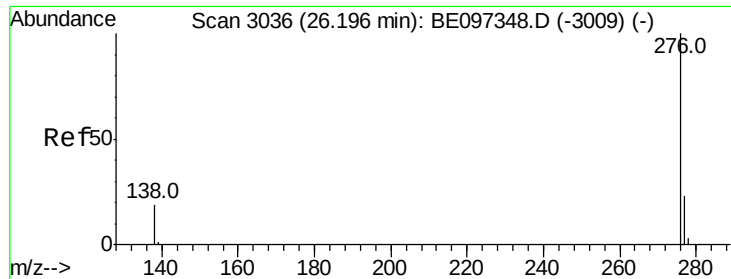


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.338 ng

RT: 26.19 min Scan# 3037

Delta R.T. -0.00 min

Lab File: BE097354.D

Acq: 23 Aug 2018 10:35

Instrument :

BNA_E

ClientSampleId :

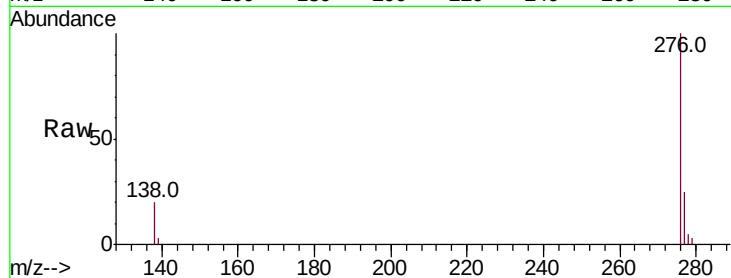
Tot Ion:276 Resp: 6849

Ion Ratio Lower Upper

276 100

277 24.8 16.0 24.0#

138 20.1 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

