

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097078.D
 Acq On : 24 Jul 2018 19:06
 Operator : SJ/JU
 Sample : J4073-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 25 00:38:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 13:24:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1291	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6218	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4159	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	11500	0.40	ng	0.00
27) Chrysene-d12	20.97	240	11682	0.40	ng	-0.01
34) Perylene-d12	23.21	264	11110	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	776	0.21	ng	0.00
5) Phenol-d6	6.60	99	688	0.13	ng	0.00
8) Nitrobenzene-d5	8.52	82	2709	0.50	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4243	0.46	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	774	0.57	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	8338	0.58	ng	0.00
25) Fluoranthene-d10	18.81	212	63590	0.55	ng	0.00
29) Terphenyl-d14	19.43	244	12821	0.57	ng	0.00

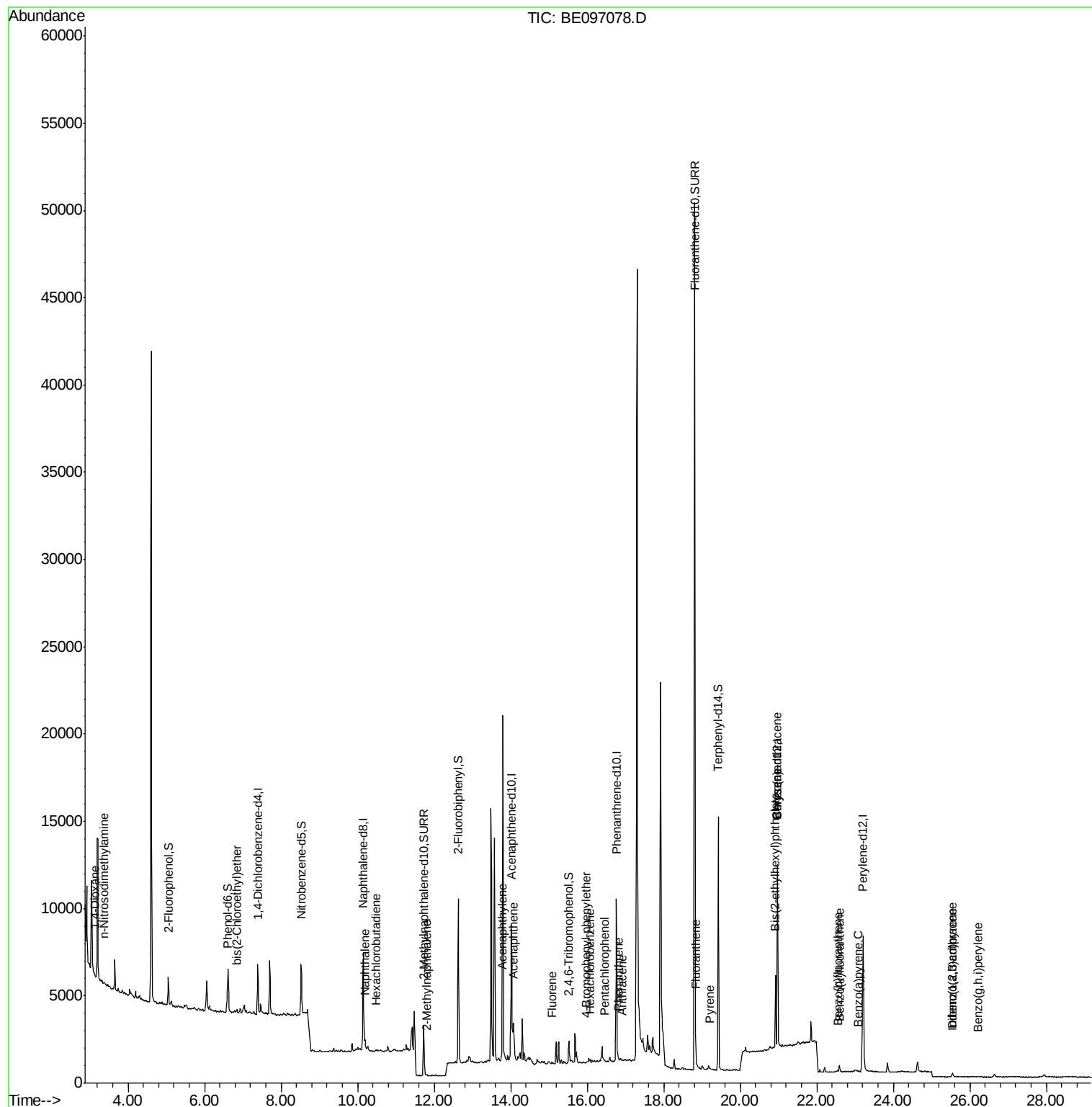
Target Compounds						Qvalue
2) 1,4-Dioxane	3.12	88	21	0.010	ng	# 16
3) n-Nitrosodimethylamine	3.36	42	17	0.007	ng	# 1
6) bis(2-Chloroethyl)ether	6.85	93	15	0.003	ng	# 1
9) Naphthalene	10.20	128	822	0.015	ng	# 77
10) Hexachlorobutadiene	10.47	225	2	0.001	ng	# 1
12) 2-Methylnaphthalene	11.80	142	20	0.002	ng	# 50
16) Acenaphthylene	13.77	152	88	0.005	ng	# 1
17) Acenaphthene	14.07	154	80	0.007	ng	# 23
18) Fluorene	15.08	166	96	0.007	ng	# 92
20) 4-Bromophenyl-phenylether	15.97	248	16	0.003	ng	# 36
21) Hexachlorobenzene	16.08	284	17	0.003	ng	# 1
22) Pentachlorophenol	16.45	266	13	0.044	ng	# 95
23) Phenanthrene	16.81	178	277	0.010	ng	# 81
24) Anthracene	16.91	178	52	0.002	ng	# 98
26) Fluoranthene	18.84	202	110	0.004	ng	# 76
28) Pyrene	19.21	202	84	0.003	ng	# 42
30) Benzo(a)anthracene	20.97	228	68	0.002	ng	# 3
31) Chrysene	20.97	228	68	0.002	ng	# 3
32) Bis(2-ethylhexyl)phthalate	20.92	149	5072	0.165	ng	# 97
33) Indeno(1,2,3-cd)pyrene	25.52	276	25	0.001	ng	# 56
35) Benzo(b)fluoranthene	22.54	252	61	0.002	ng	# 1
36) Benzo(k)fluoranthene	22.59	252	58	0.002	ng	# 1
37) Benzo(a)pyrene	23.10	252	7	0.000	ng	# 1
38) Dibenzo(a,h)anthracene	25.54	278	18	0.001	ng	# 1
39) Benzo(g,h,i)perylene	26.21	276	36	0.001	ng	# 1

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

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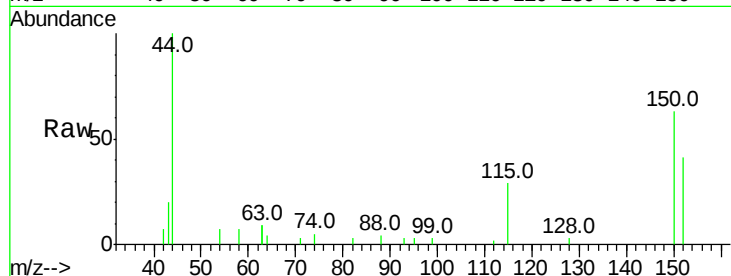


#1

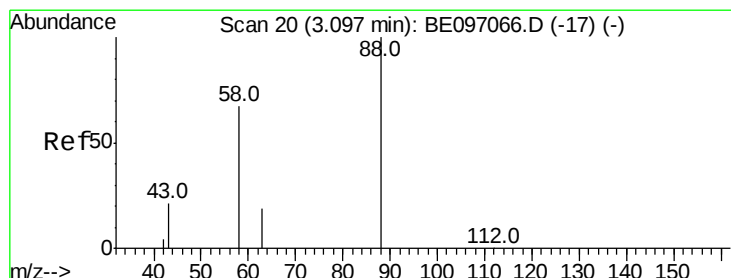
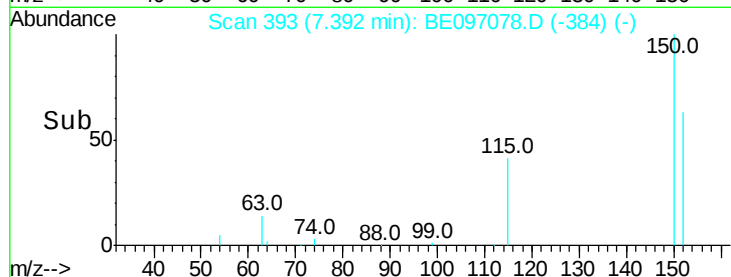
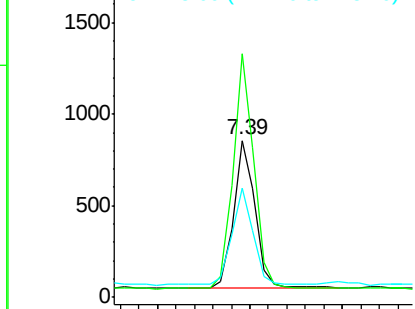
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097078.D
Acq: 24 Jul 2018 19:06

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1291
Ion Ratio Lower Upper
152 100
150 155.3 117.2 175.8
115 70.0 57.0 85.6



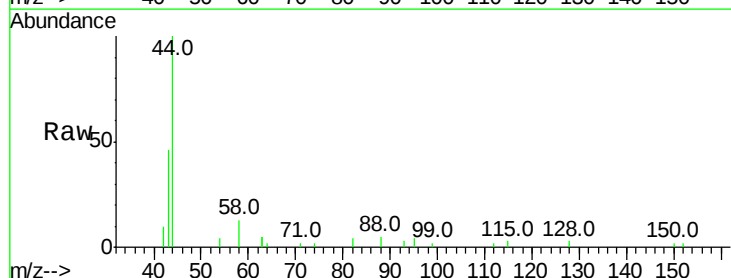
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



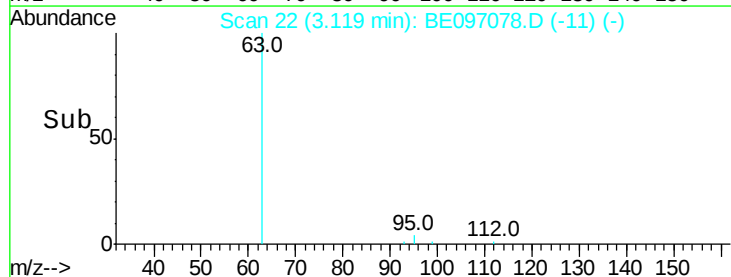
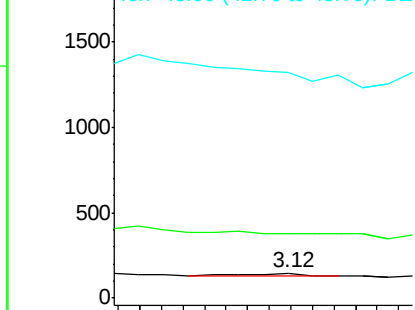
#2

1,4-Dioxane
Concen: 0.010 ng
RT: 3.12 min Scan# 22
Delta R.T. 0.02 min
Lab File: BE097078.D
Acq: 24 Jul 2018 19:06

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
58 0.0 63.2 94.8#
43 0.0 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: 0.007 ng

RT: 3.36 min Scan# 43

Delta R.T. -0.02 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

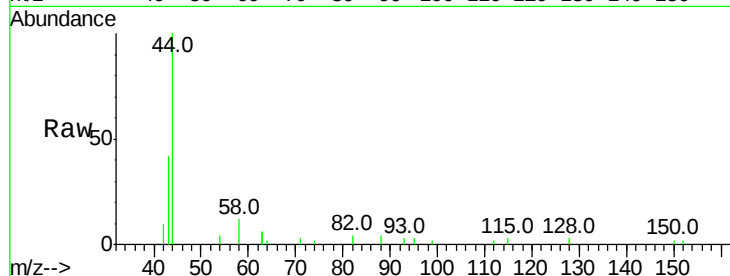
Tot Ion: 42 Resp: 17

Ion Ratio Lower Upper

42 100

74 41.2 96.0 144.0#

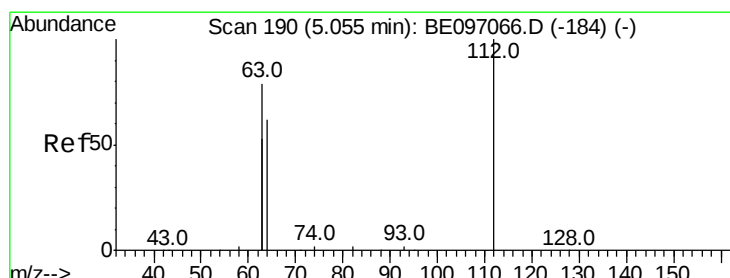
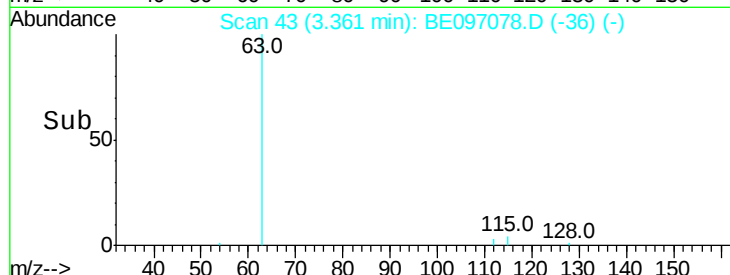
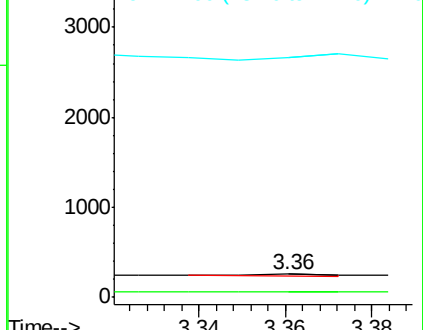
44 794.1 12.0 18.0#



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: 0.214 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

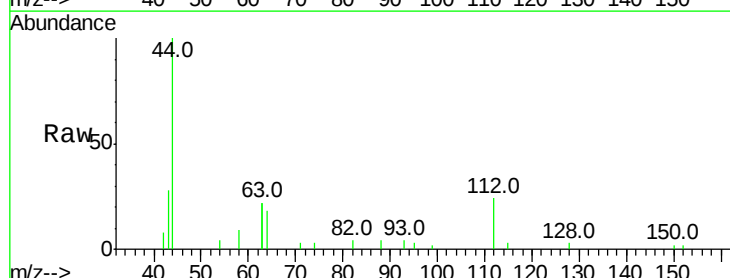
Tgt Ion: 112 Resp: 776

Ion Ratio Lower Upper

112 100

64 67.9 60.1 90.1

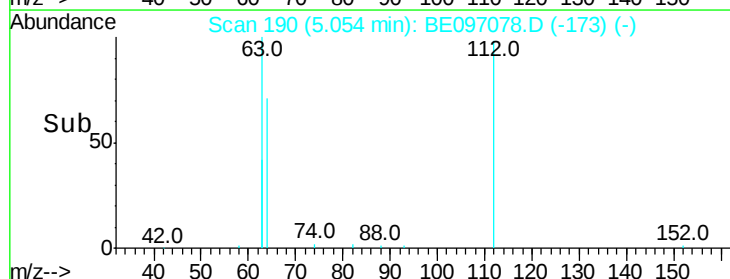
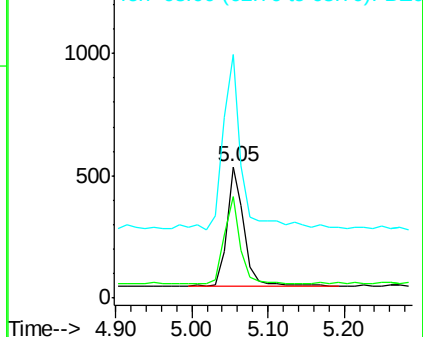
63 152.2 116.8 175.2

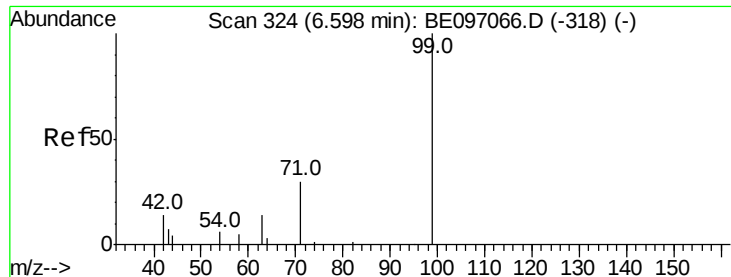


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.129 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

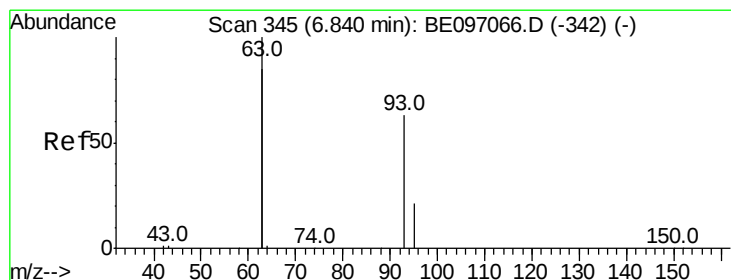
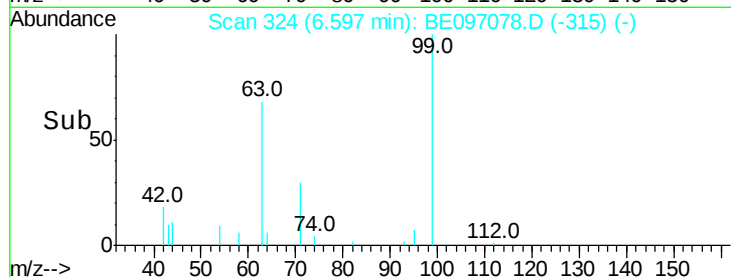
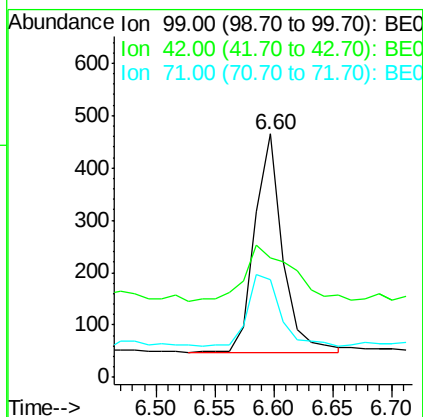
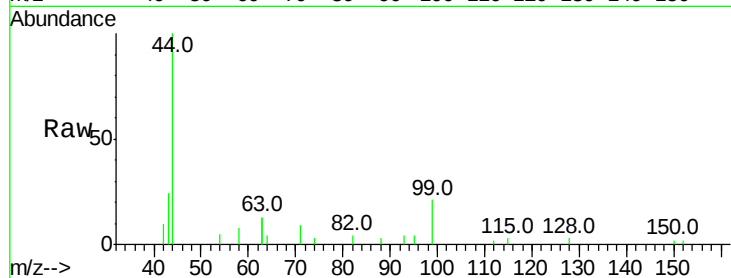
Tot Ion: 99 Resp: 688

Ion Ratio Lower Upper

99 100

42 42.4 20.2 30.2#

71 39.1 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.003 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.01 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

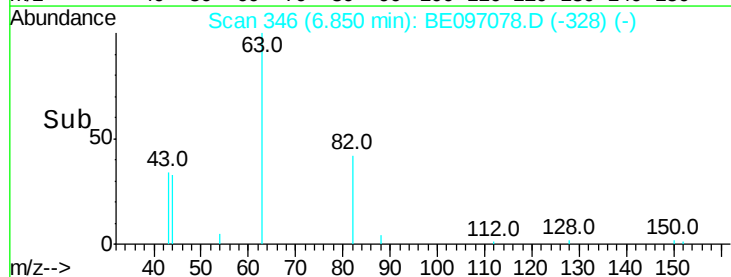
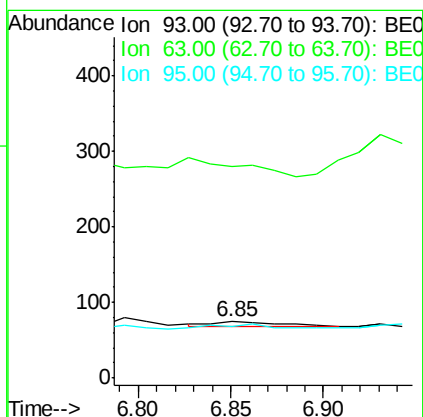
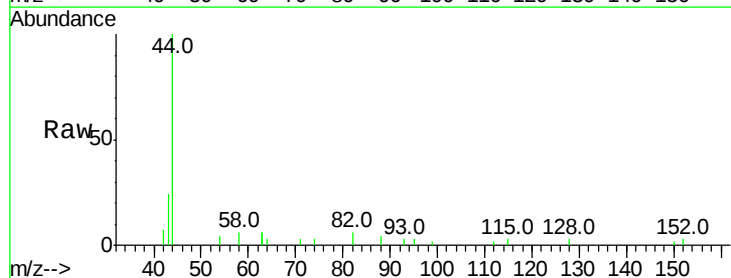
Tgt Ion: 93 Resp: 15

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

95 100.0 25.2 37.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 6218

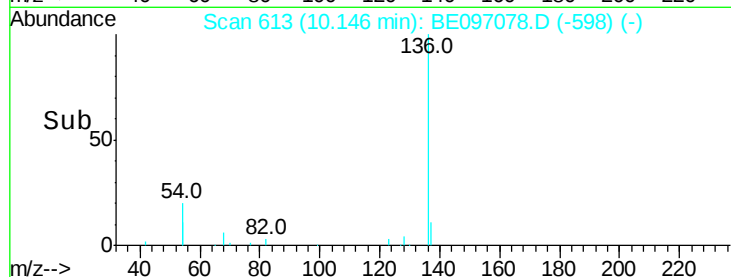
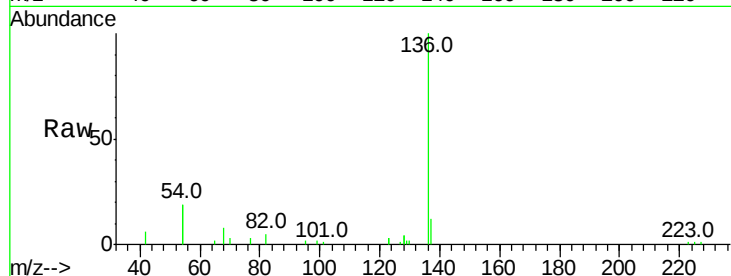
Ion Ratio Lower Upper

136 100

137 12.3 9.5 14.3

54 38.7 29.1 43.7

68 7.7 6.2 9.2



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->

10.15

4000

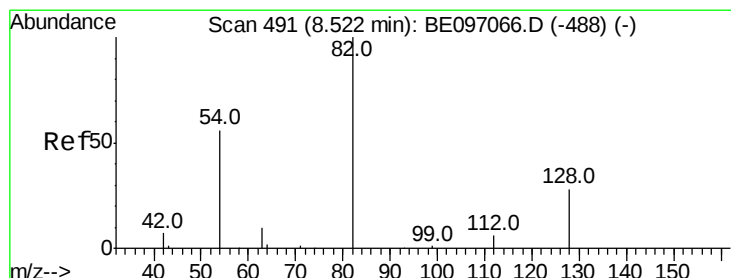
3000

2000

1000

0

10.00 10.10 10.20 10.30



#8

Nitrobenzene-d5

Concen: 0.502 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

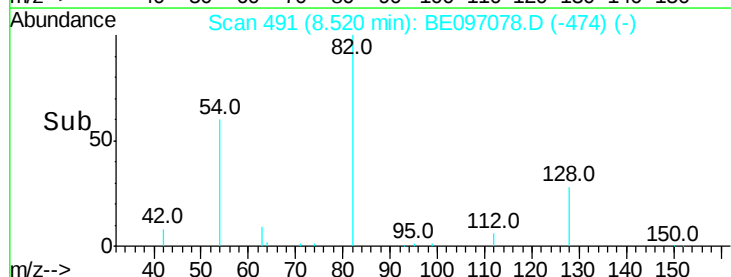
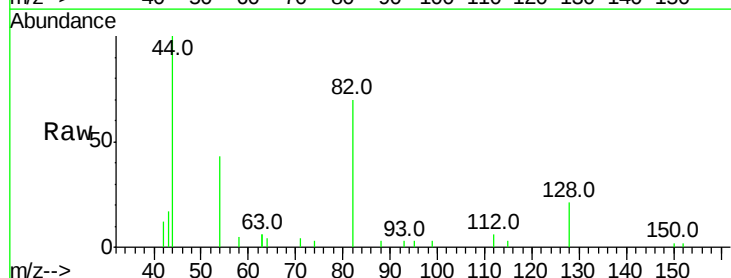
Tgt Ion: 82 Resp: 2709

Ion Ratio Lower Upper

82 100

128 30.4 24.0 36.0

54 62.2 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

Time-->

8.52

2000

1500

1000

500

0

8.40 8.50 8.60 8.70



#9

Naphthalene

Concen: 0.015 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

Instrument :

BNA_E

ClientSampled :

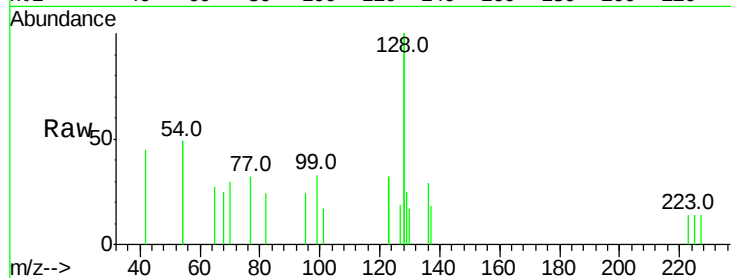
Tot Ion:128 Resp: 822

Ion Ratio Lower Upper

128 100

129 12.7 2.6 3.8#

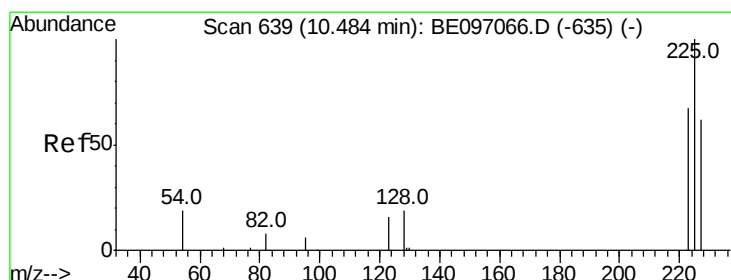
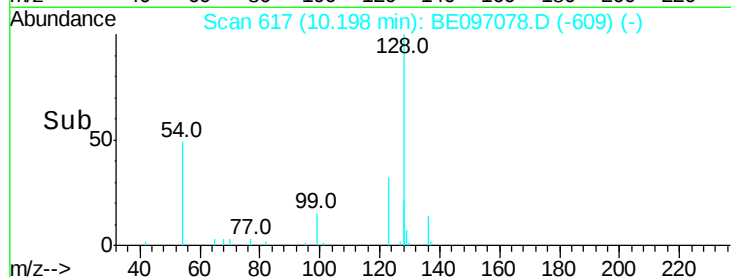
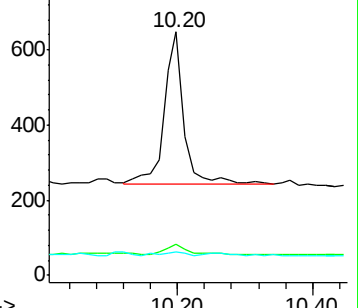
127 9.6 2.8 4.2#



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: 0.001 ng

RT: 10.47 min Scan# 638

Delta R.T. -0.01 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

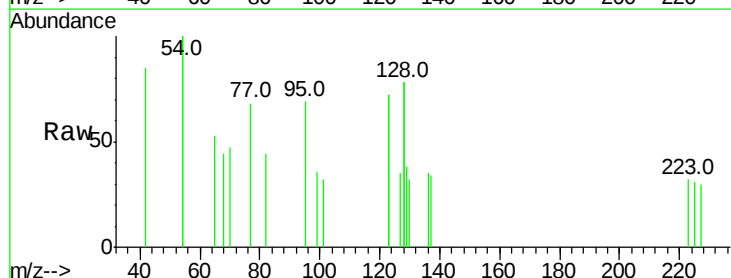
Tgt Ion:225 Resp: 2

Ion Ratio Lower Upper

225 100

223 100.0 53.0 79.6#

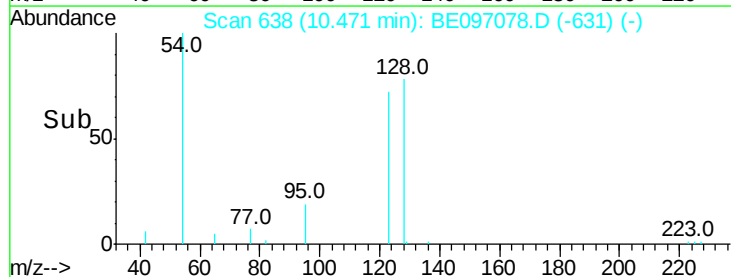
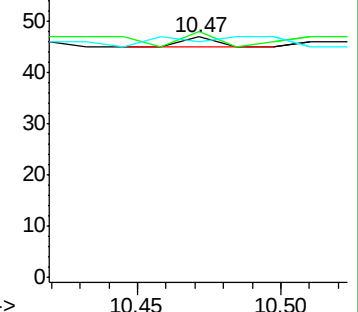
227 450.0 51.4 77.2#



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: 0.456 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

Instrument :

BNA_E

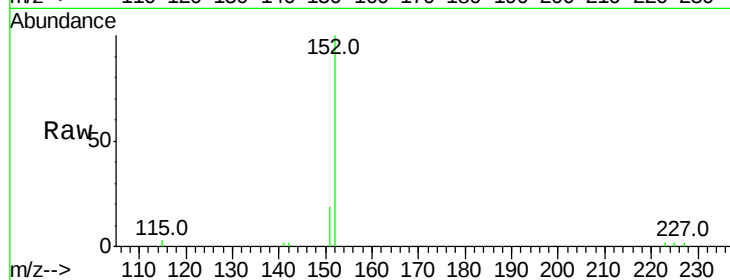
ClientSampleId :

Tot Ion:152 Resp: 4243

Ion Ratio Lower Upper

152 100

151 20.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.73

2500

2000

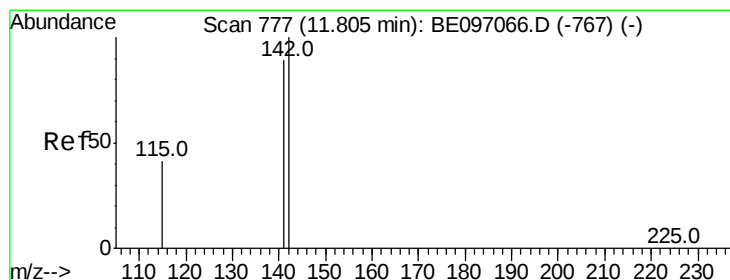
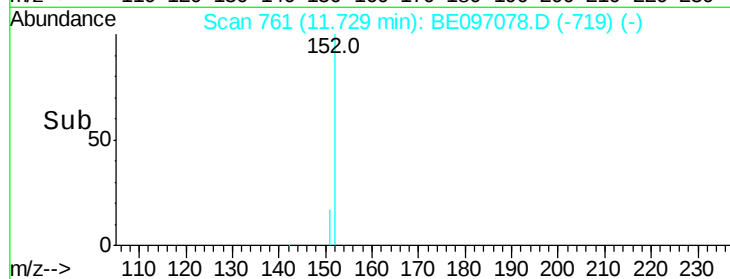
1500

1000

500

0

Time--> 11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.002 ng

RT: 11.80 min Scan# 776

Delta R.T. -0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

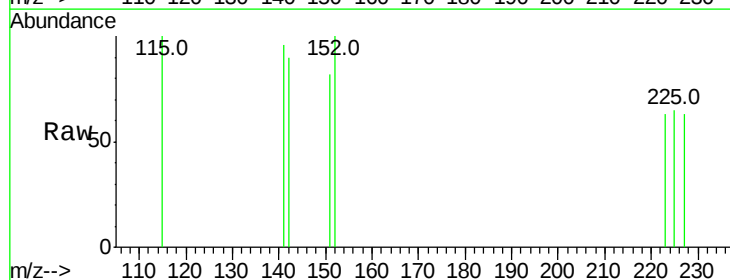
Tgt Ion:142 Resp: 20

Ion Ratio Lower Upper

142 100

141 106.3 70.4 105.6#

115 110.9 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

100

80

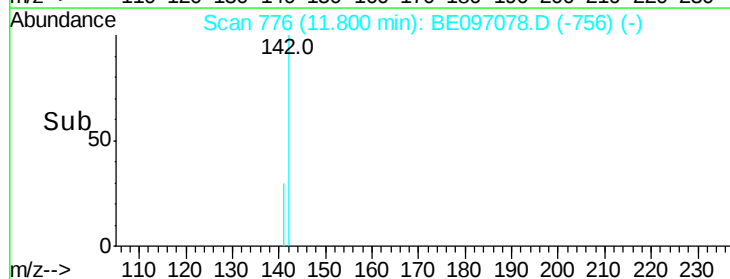
60

40

20

0

Time--> 11.80





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

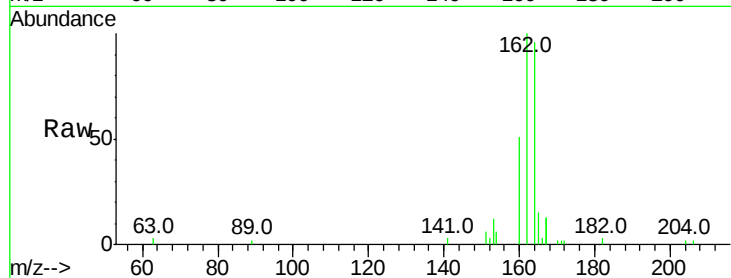
Tot Ion:164 Resp: 4159

Ion Ratio Lower Upper

164 100

162 103.9 83.1 124.7

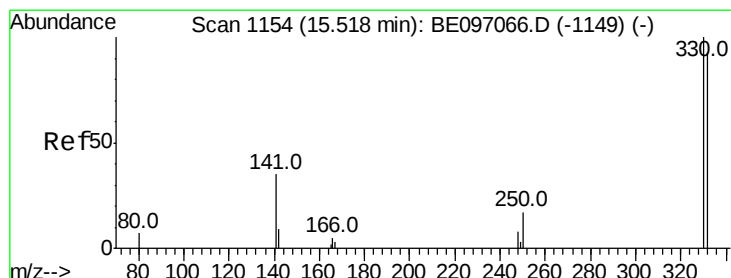
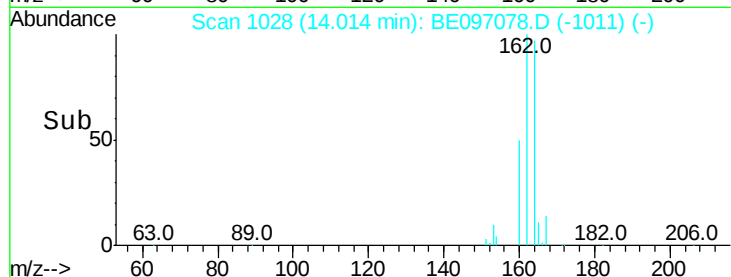
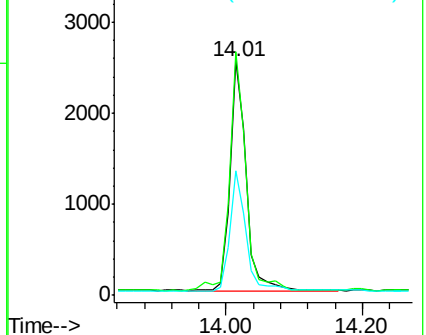
160 53.1 37.1 55.7



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

2,4,6-Tribromophenol

Concen: 0.565 ng

RT: 15.52 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

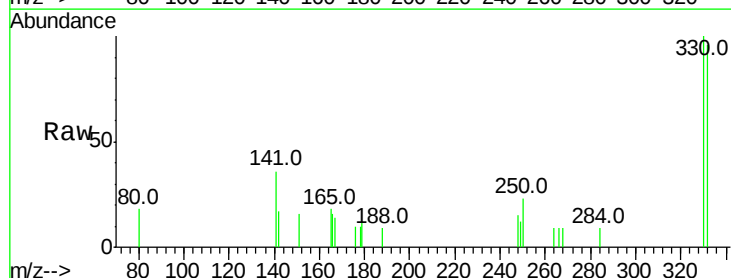
Tgt Ion:330 Resp: 774

Ion Ratio Lower Upper

330 100

332 95.1 152.7 229.1#

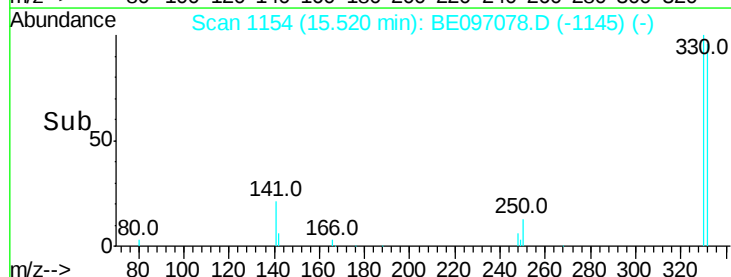
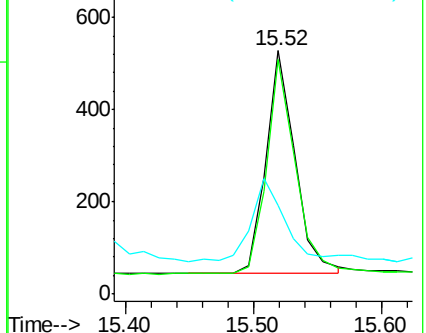
141 41.3 33.7 50.5

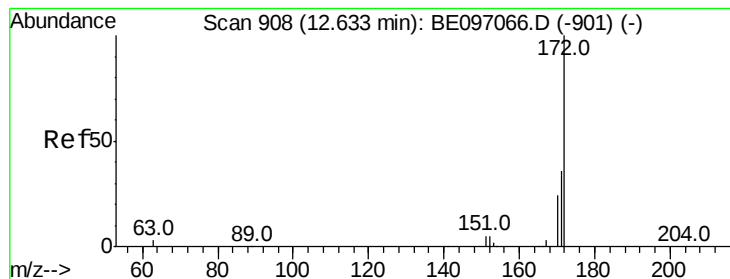


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.580 ng

RT: 12.63 min Scan# 908

Delta R.T. -0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

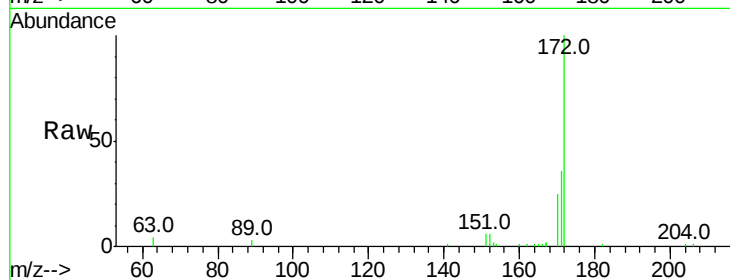
Tot Ion:172 Resp: 8338

Ion Ratio Lower Upper

172 100

171 35.7 29.9 44.9

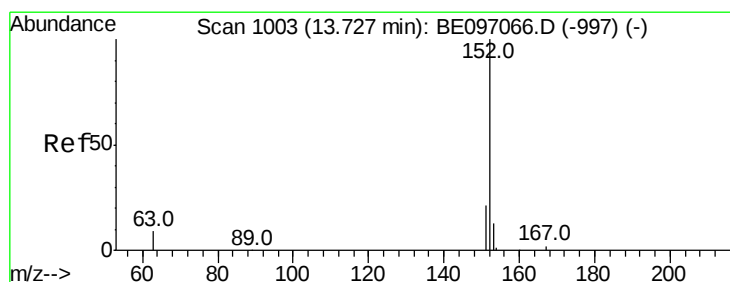
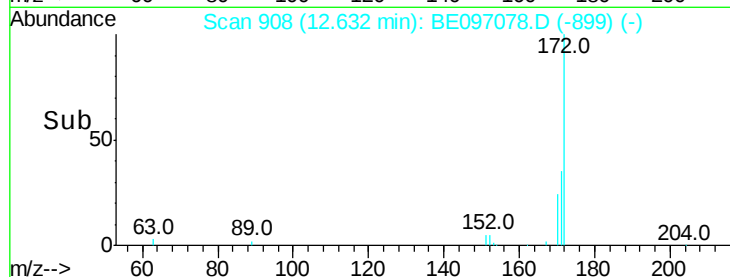
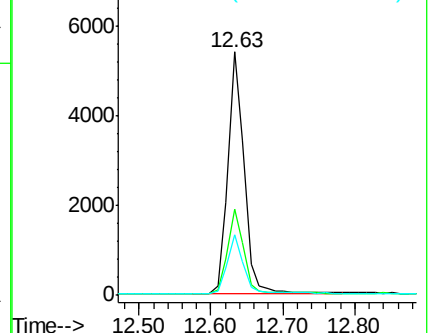
170 24.7 21.8 32.8



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: 0.005 ng

RT: 13.77 min Scan# 1007

Delta R.T. 0.05 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

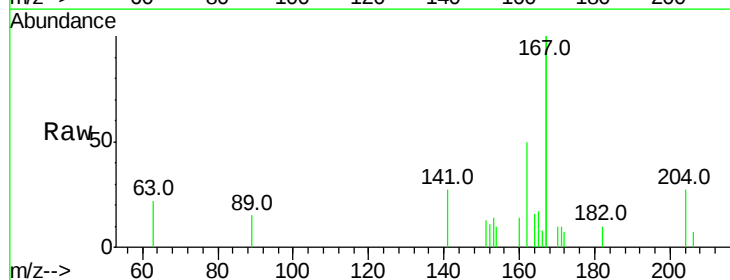
Tgt Ion:152 Resp: 88

Ion Ratio Lower Upper

152 100

151 280.7 15.7 23.5#

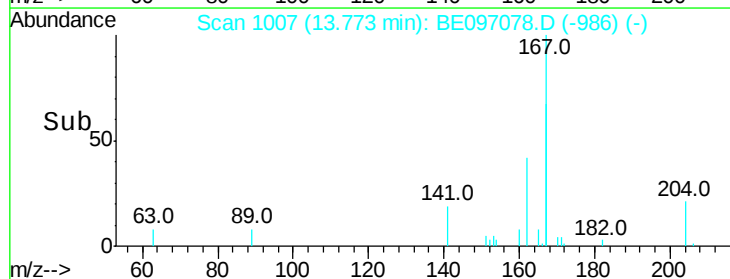
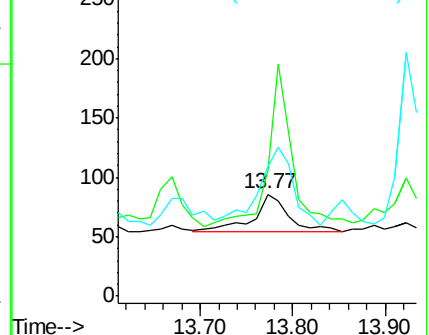
153 190.9 10.5 15.7#



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: 0.007 ng

RT: 14.07 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

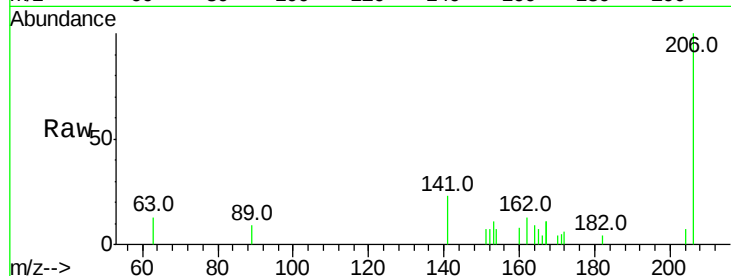
Tot Ion:154 Resp: 80

Ion Ratio Lower Upper

154 100

153 0.0 89.2 133.8#

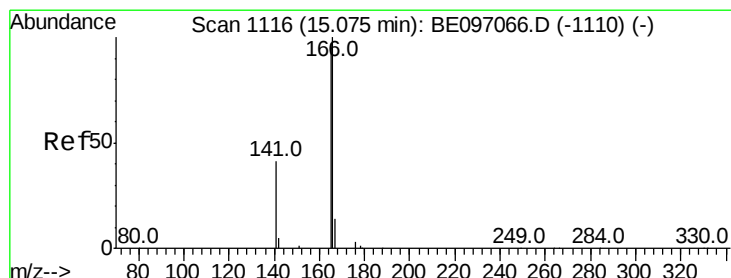
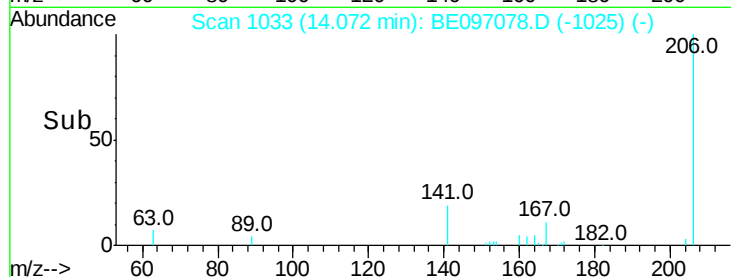
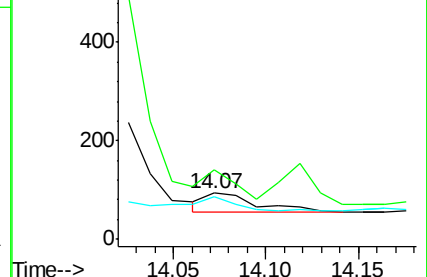
152 65.0 42.0 63.0#



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: 0.007 ng

RT: 15.08 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

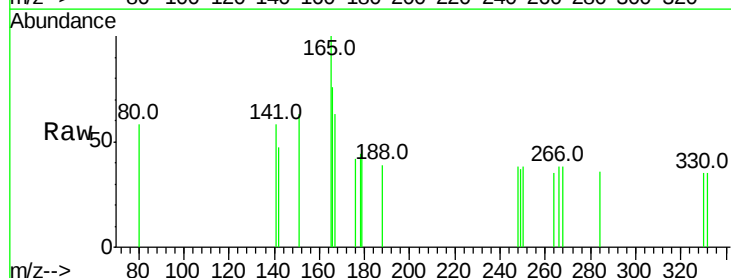
Tgt Ion:166 Resp: 96

Ion Ratio Lower Upper

166 100

165 86.5 77.8 116.6

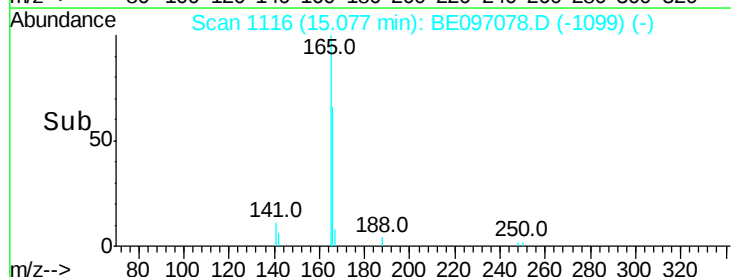
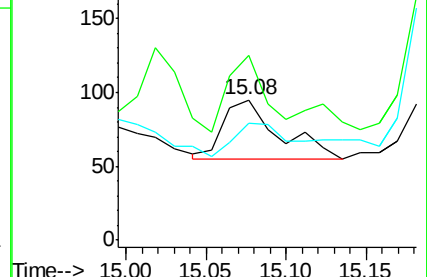
167 52.1 42.4 63.6

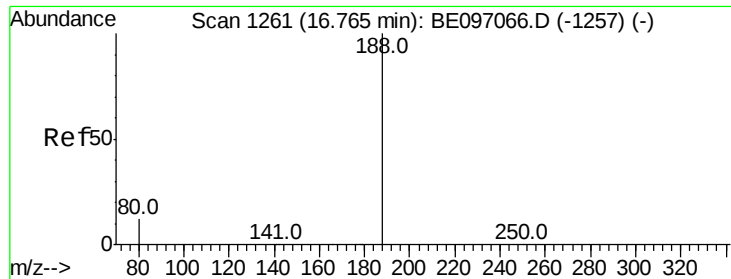


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

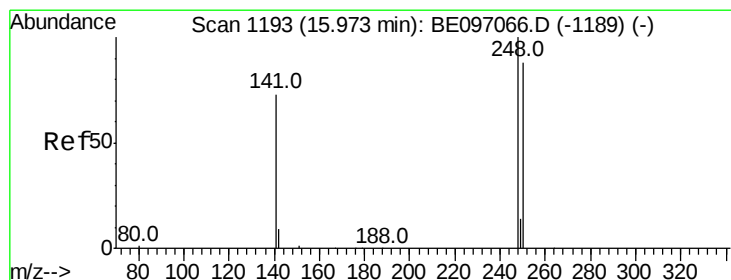
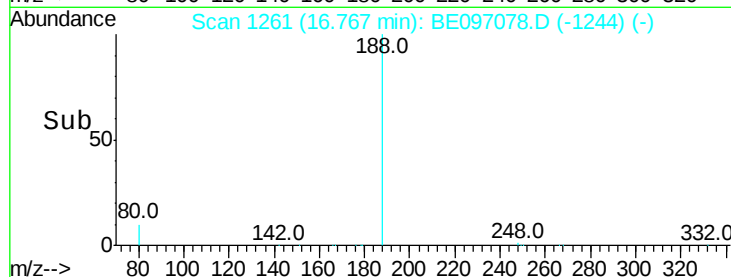
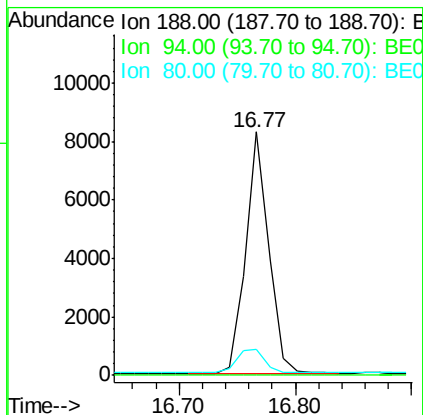
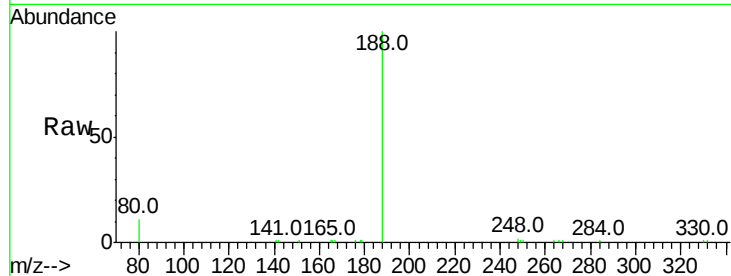




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE097078.D
Acq: 24 Jul 2018 19:06

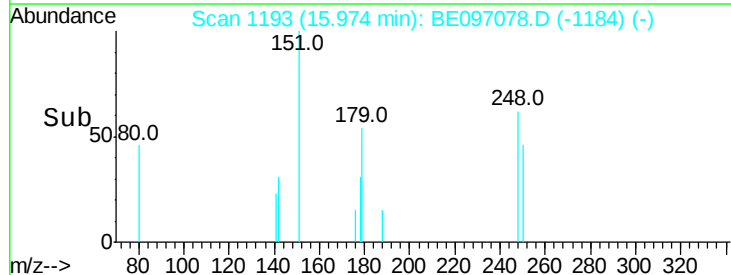
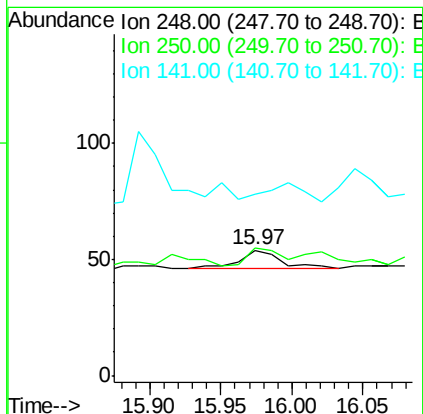
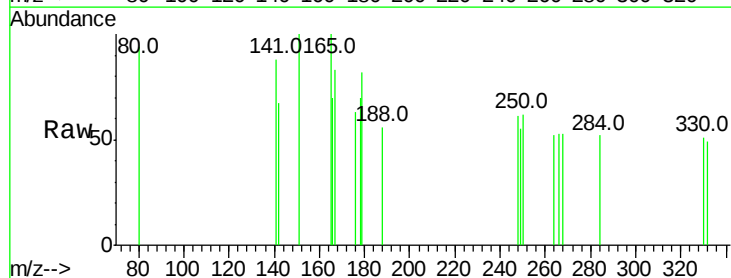
Instrument :
BNA_E
ClientSampled :

Tot Ion:188 Resp: 11500
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 10.8 3.6 5.4#



#20
4-Bromophenyl-phenylether
Concen: 0.003 ng
RT: 15.97 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BE097078.D
Acq: 24 Jul 2018 19:06

Tgt Ion:248 Resp: 16
Ion Ratio Lower Upper
248 100
250 101.9 62.7 94.1#
141 144.4 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.003 ng

RT: 16.08 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

Instrument :

BNA_E

ClientSampled :

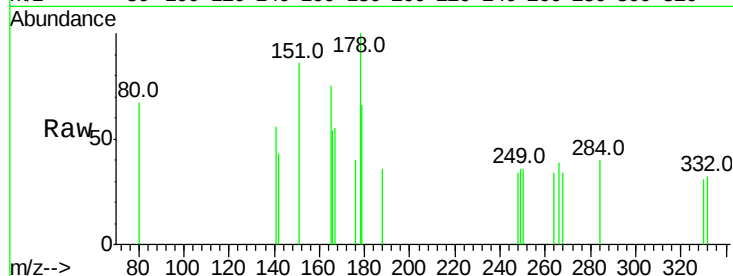
Tot Ion:284 Resp: 17

Ion Ratio Lower Upper

284 100

142 141.2 22.1 33.1#

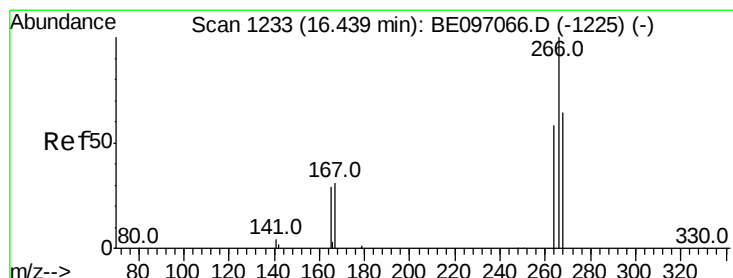
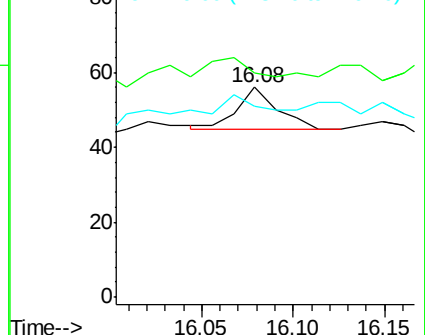
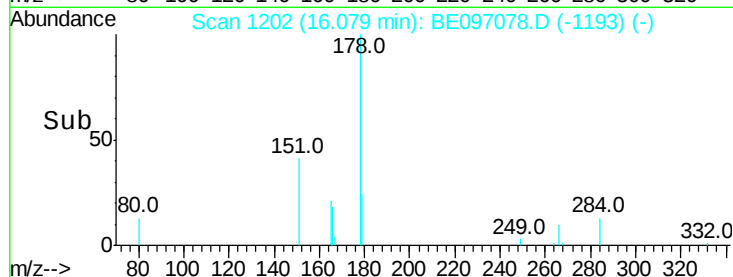
249 58.8 34.8 52.2#



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: 0.044 ng

RT: 16.45 min Scan# 1234

Delta R.T. 0.01 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

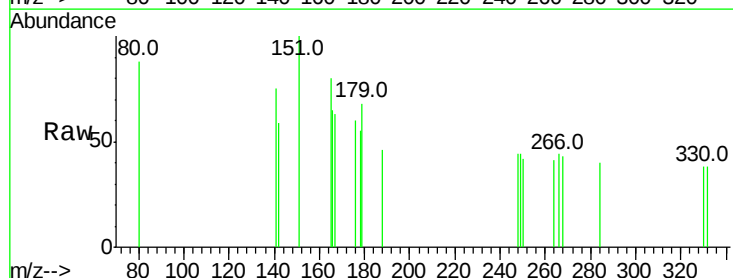
Tgt Ion:266 Resp: 13

Ion Ratio Lower Upper

266 100

264 94.1 72.5 108.7

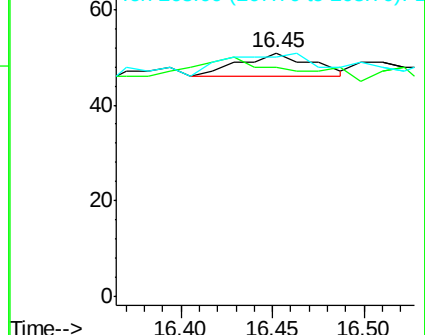
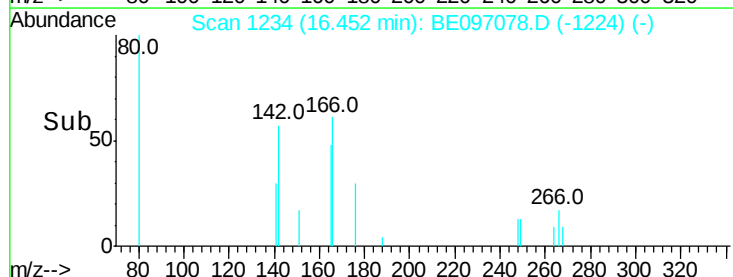
268 98.0 73.8 110.6

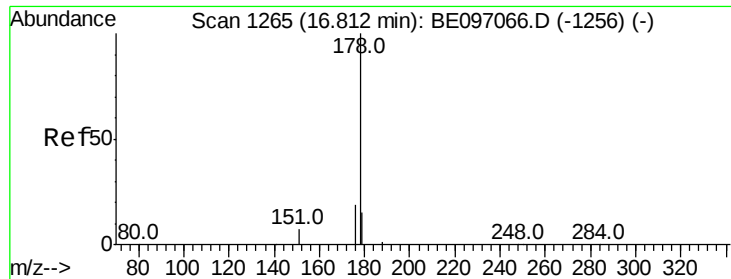


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.010 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

Instrument :

BNA_E

ClientSampled :

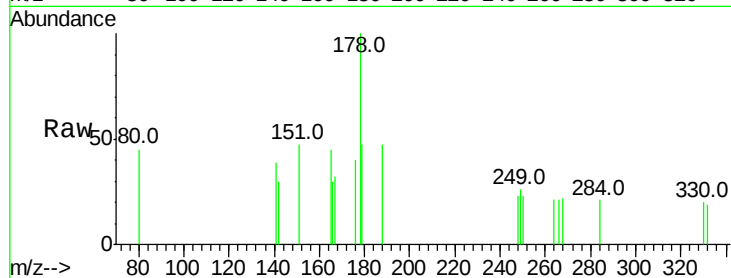
Tot Ion:178 Resp: 277

Ion Ratio Lower Upper

178 100

176 23.1 15.1 22.7#

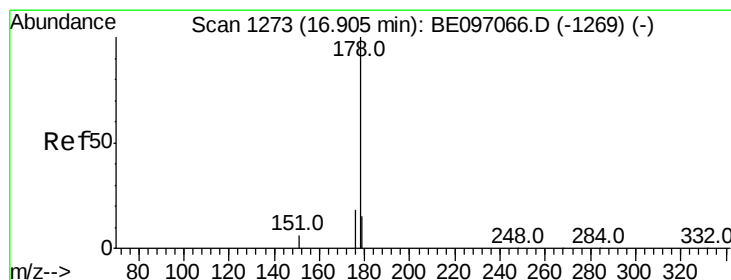
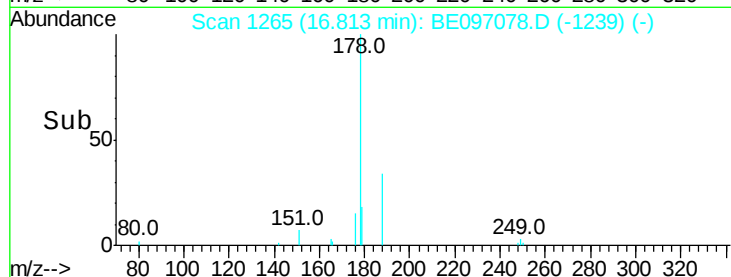
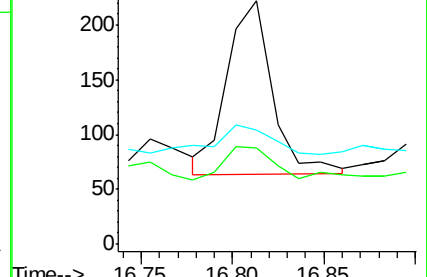
179 27.4 11.8 17.6#



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: 0.002 ng

RT: 16.91 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

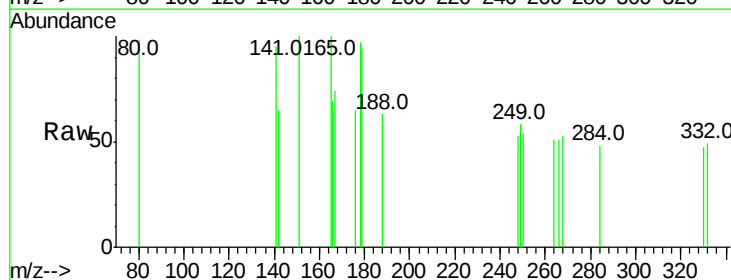
Tgt Ion:178 Resp: 52

Ion Ratio Lower Upper

178 100

176 15.4 12.8 19.2

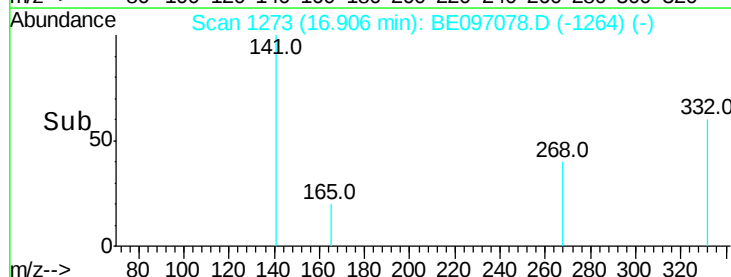
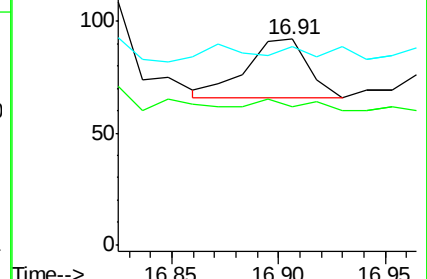
179 17.3 13.0 19.6



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: 0.553 ng

RT: 18.81 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE097078.D

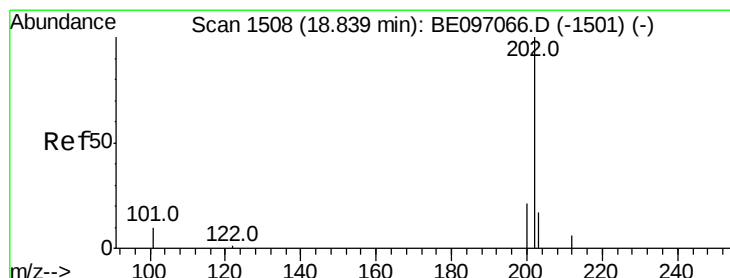
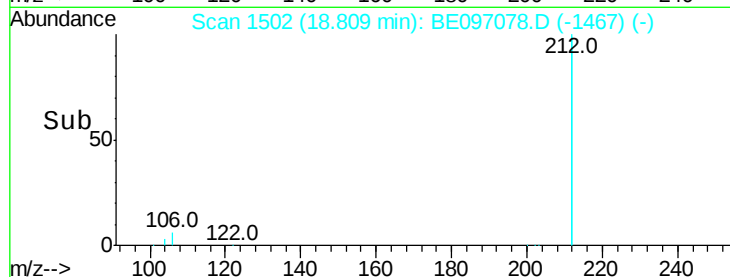
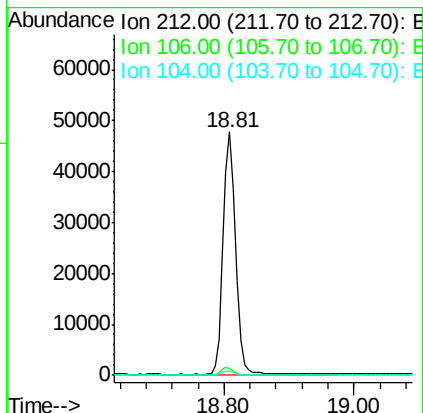
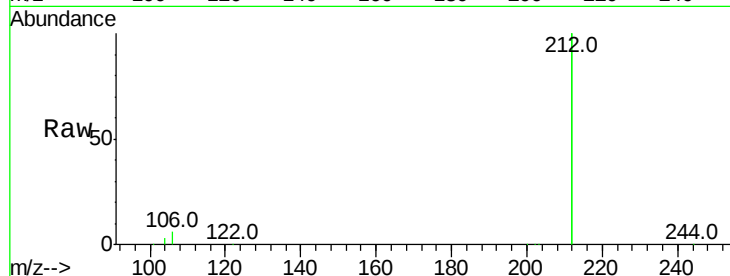
Acq: 24 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

Tot Ion:212	Resp:	63590
Ion Ratio	Lower	Upper
212	100	
106	3.0	2.8 4.2
104	1.7	1.6 2.4



#26

Fluoranthene

Concen: 0.004 ng

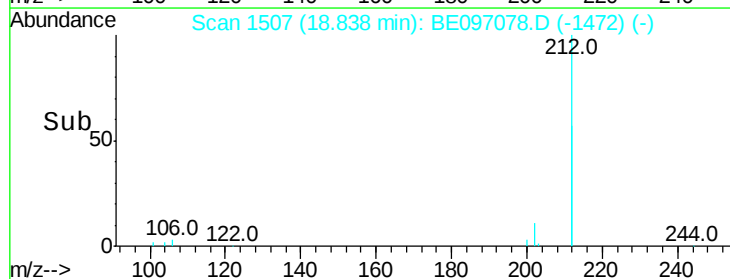
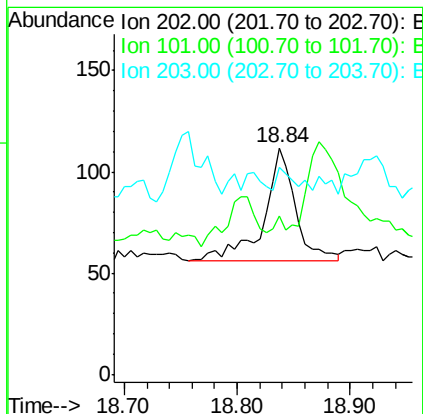
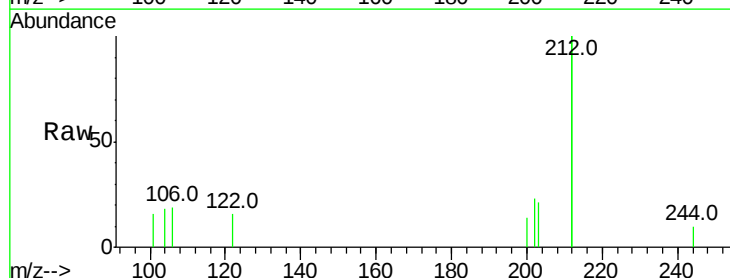
RT: 18.84 min Scan# 1507

Delta R.T. -0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

Tgt Ion:202	Resp:	110
Ion Ratio	Lower	Upper
202	100	
101	0.0	9.8 14.8#
203	9.1	13.7 20.5#

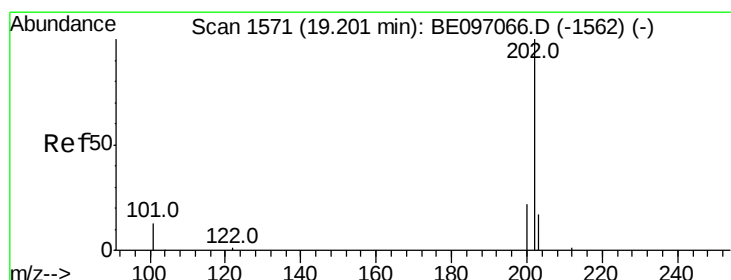
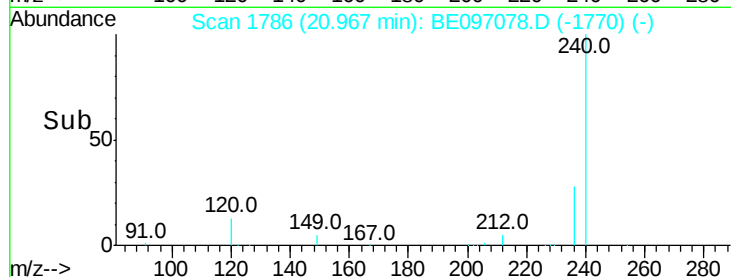
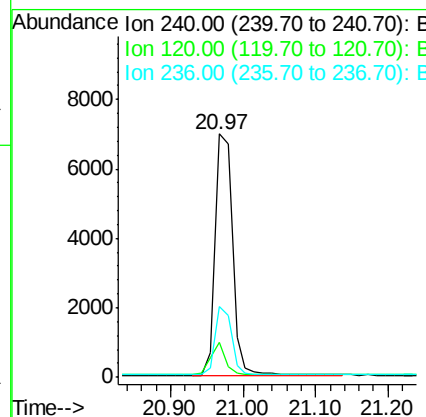
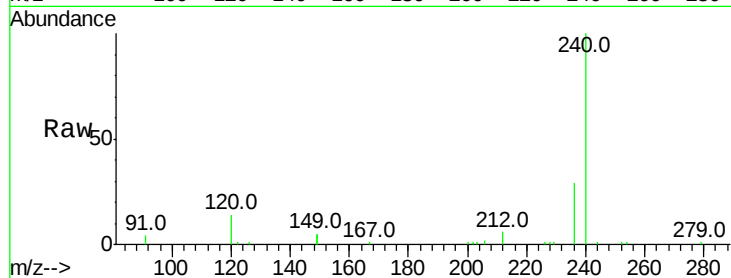




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.97 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BE097078.D
 Acq: 24 Jul 2018 19:06

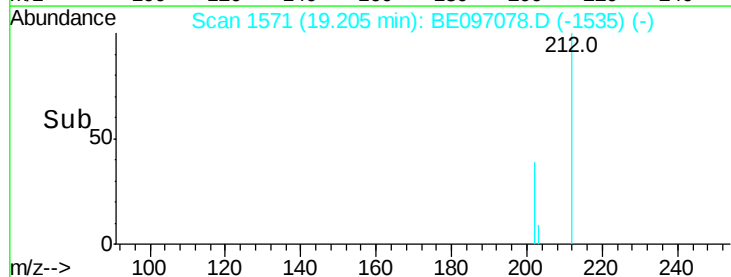
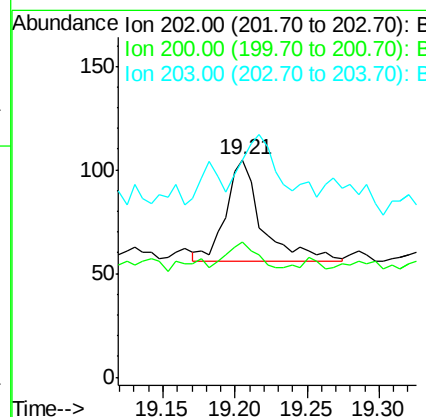
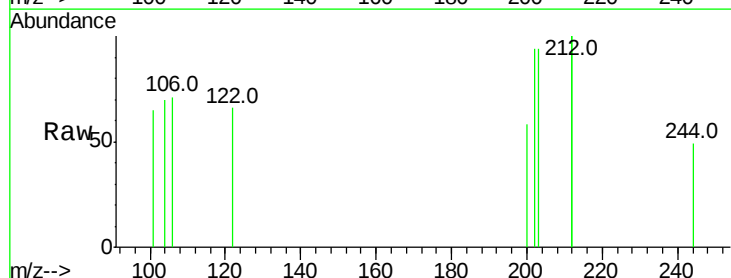
Instrument :
 BNA_E
 ClientSampleId :

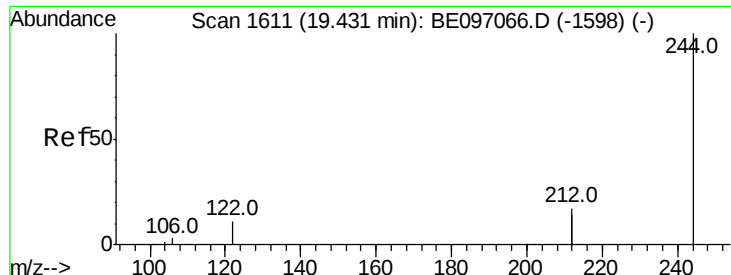
Tot Ion:240 Resp: 11682
 Ion Ratio Lower Upper
 240 100
 120 14.5 5.5 8.3#
 236 29.2 20.7 31.1



#28
 Pyrene
 Concen: 0.003 ng
 RT: 19.21 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BE097078.D
 Acq: 24 Jul 2018 19:06

Tgt Ion:202 Resp: 84
 Ion Ratio Lower Upper
 202 100
 200 25.0 16.6 25.0#
 203 67.9 13.8 20.8#





#29

Terphenyl-d14

Concen: 0.571 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

Instrument :

BNA_E

ClientSampled :

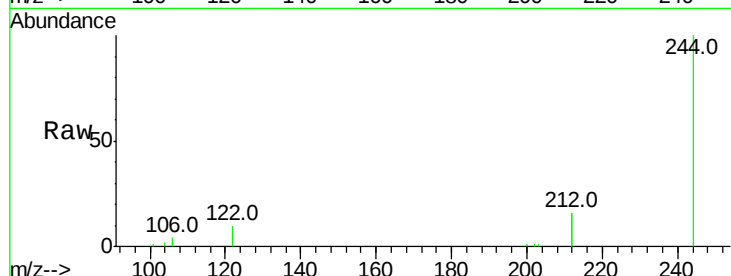
Tot Ion:244 Resp: 12821

Ion Ratio Lower Upper

244 100

212 32.5 25.4 38.0

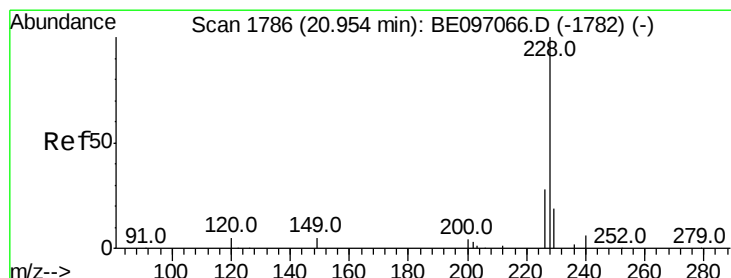
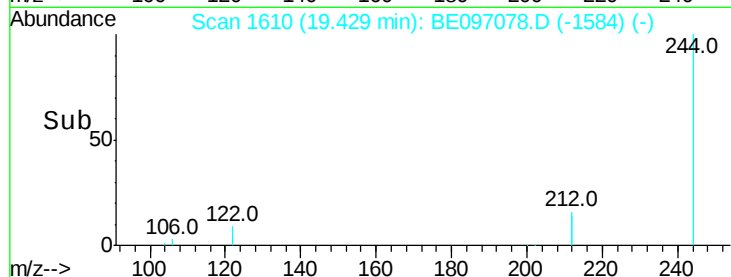
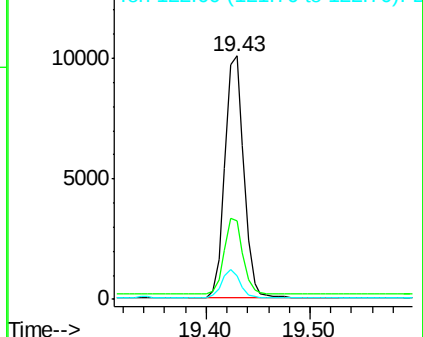
122 9.6 8.1 12.1



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: 0.002 ng

RT: 20.97 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

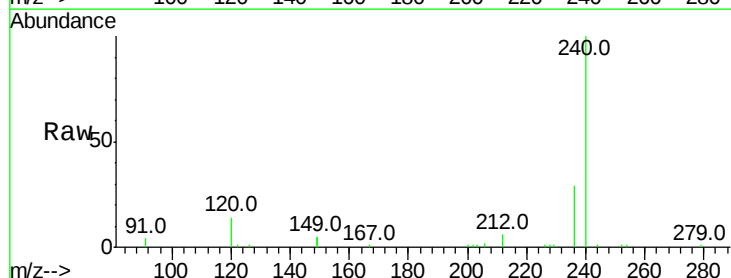
Tgt Ion:228 Resp: 68

Ion Ratio Lower Upper

228 100

226 70.1 24.0 36.0#

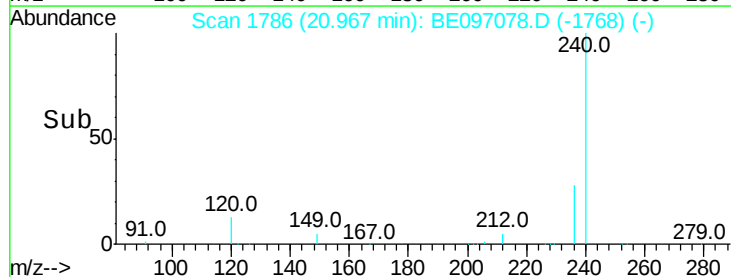
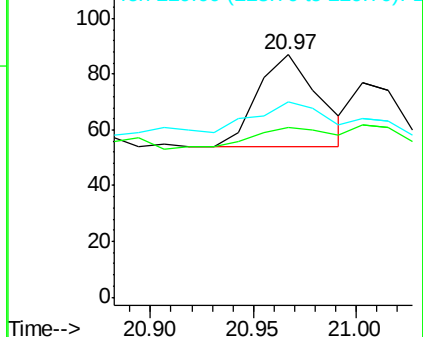
229 80.5 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.002 ng

RT: 20.97 min Scan# 1786

Delta R.T. -0.05 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

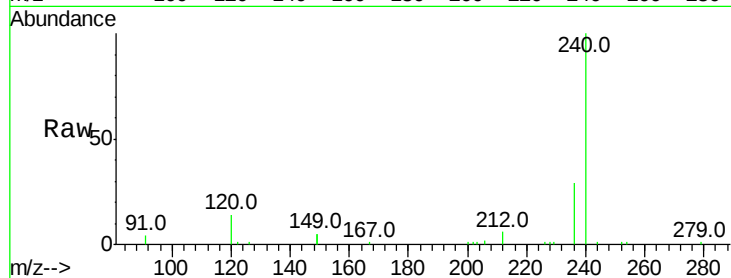
Tot Ion:228 Resp: 68

Ion Ratio Lower Upper

228 100

226 70.1 24.0 36.0#

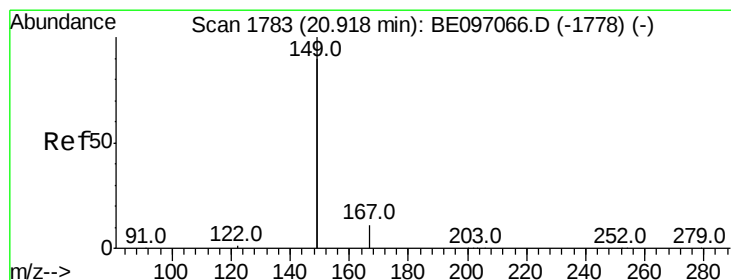
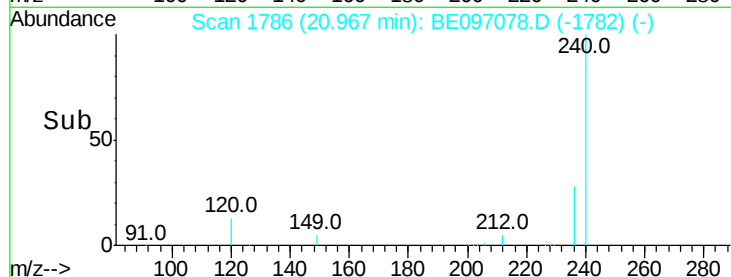
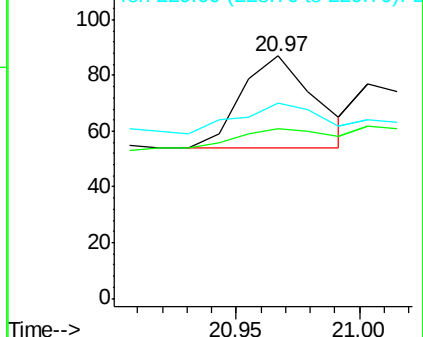
229 80.5 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.165 ng

RT: 20.92 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

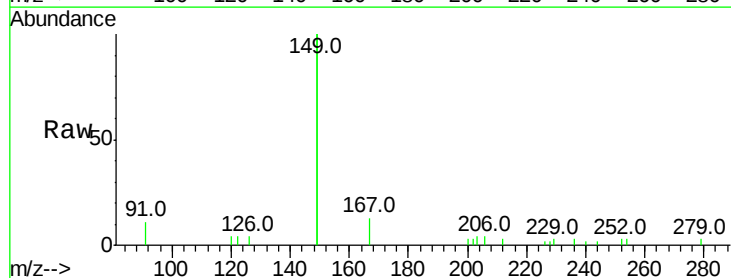
Tgt Ion:149 Resp: 5072

Ion Ratio Lower Upper

149 100

167 5.6 5.4 8.0

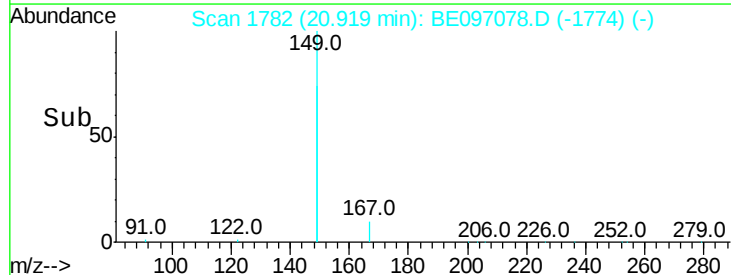
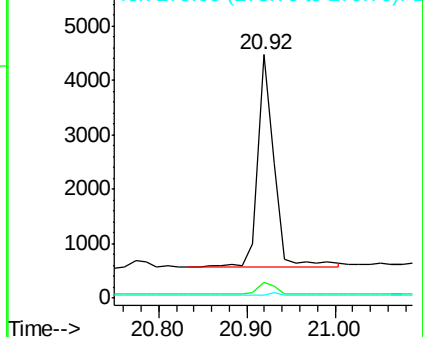
279 1.1 0.7 1.1



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

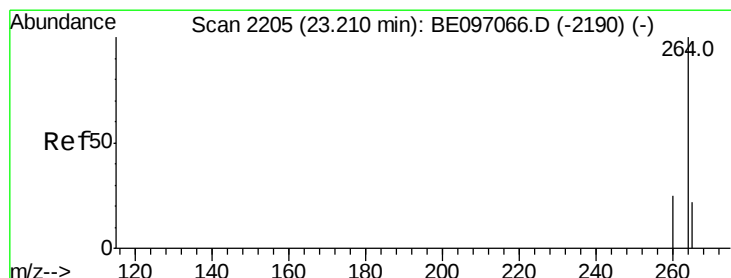
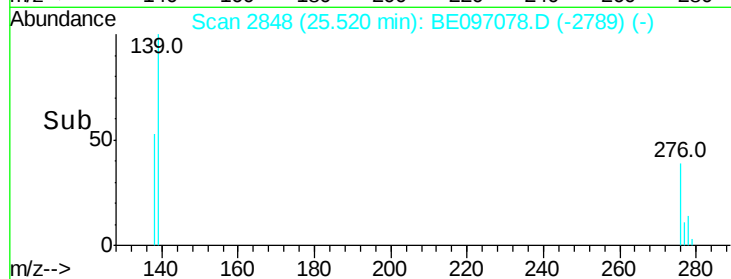
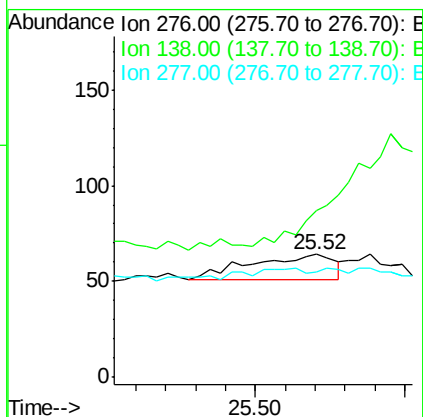
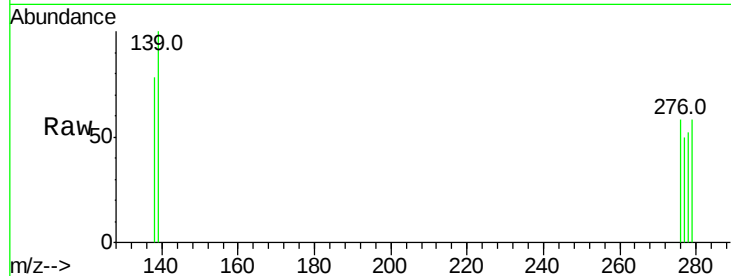




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.001 ng
RT: 25.52 min Scan# 2848
Delta R.T. 0.01 min
Lab File: BE097078.D
Acq: 24 Jul 2018 19:06

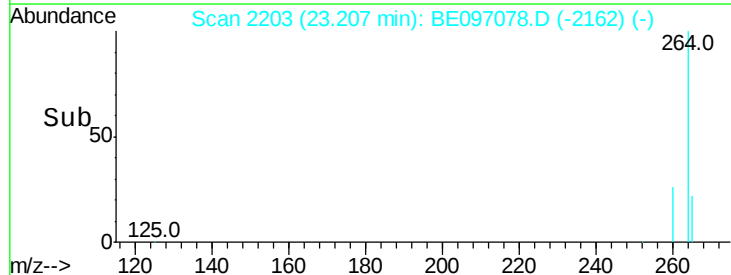
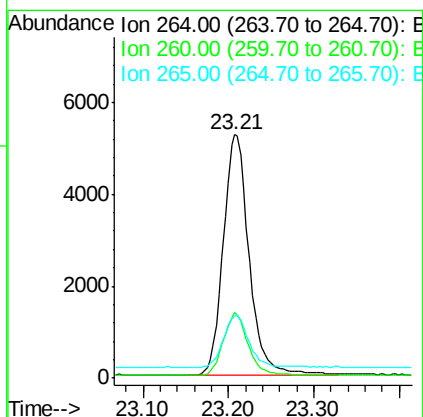
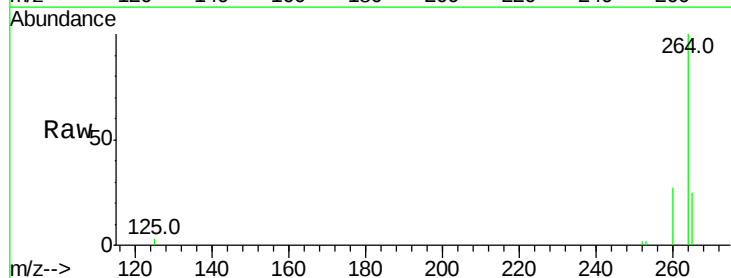
Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 25
Ion Ratio Lower Upper
276 100
138 0.0 22.5 33.7#
277 8.0 19.9 29.9#



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2203
Delta R.T. -0.00 min
Lab File: BE097078.D
Acq: 24 Jul 2018 19:06

Tgt Ion:264 Resp: 11110
Ion Ratio Lower Upper
264 100
260 27.2 20.5 30.7
265 25.5 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.002 ng

RT: 22.54 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

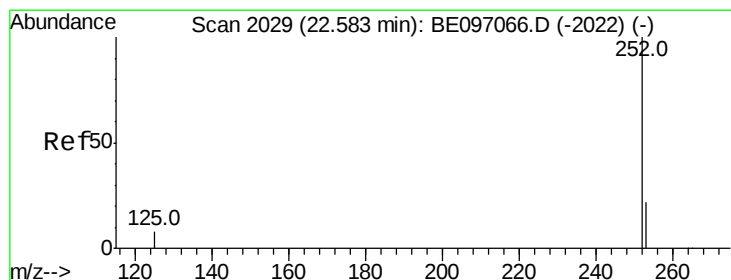
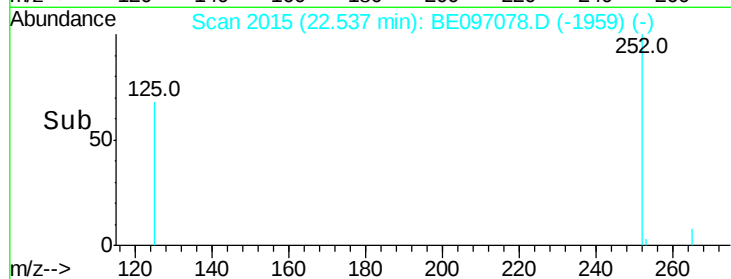
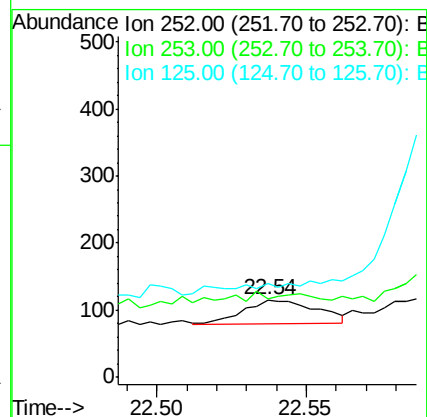
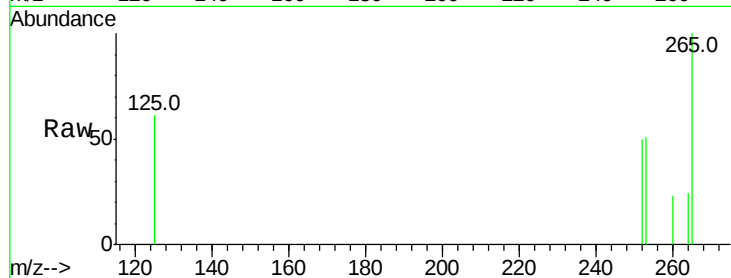
Tot Ion:252 Resp: 61

Ion Ratio Lower Upper

252 100

253 100.9 20.0 30.0#

125 121.7 16.0 24.0#



#36

Benzo(k)fluoranthene

Concen: 0.002 ng

RT: 22.59 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

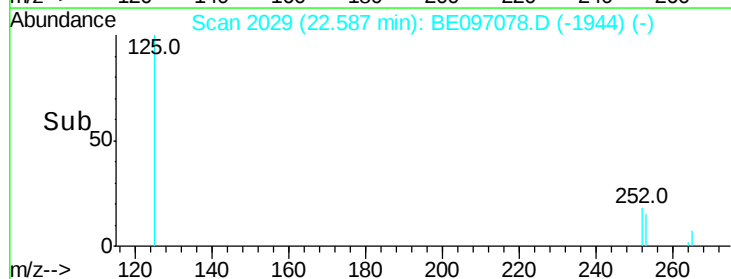
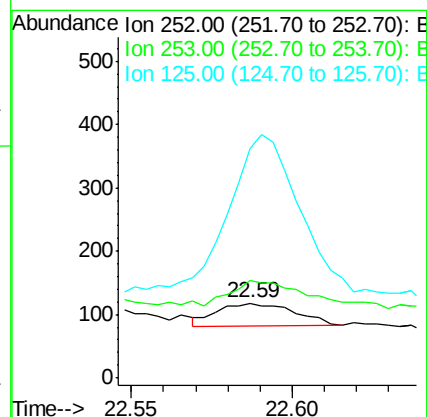
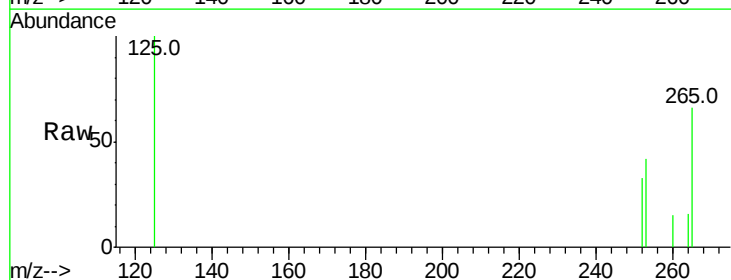
Tgt Ion:252 Resp: 58

Ion Ratio Lower Upper

252 100

253 130.5 16.0 24.0#

125 307.6 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.000 ng

RT: 23.10 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

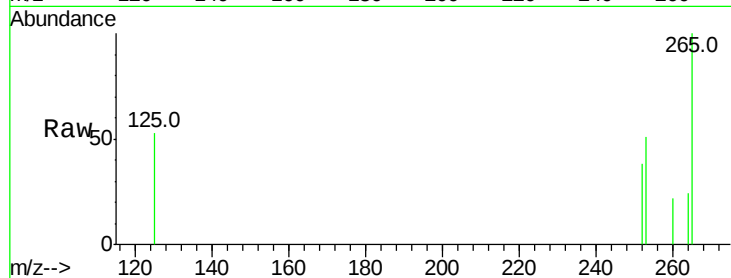
Tot Ion:252 Resp: 7

Ion Ratio Lower Upper

252 100

253 134.1 16.0 24.0#

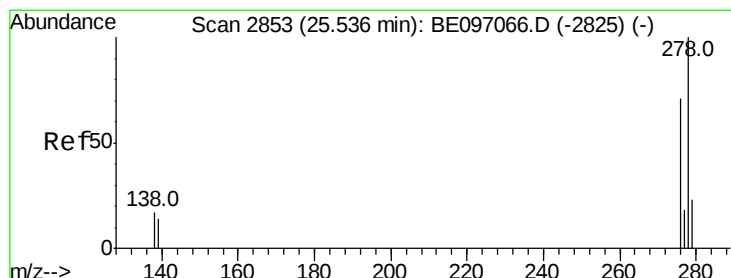
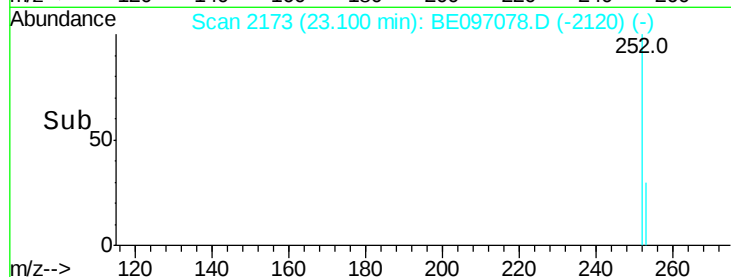
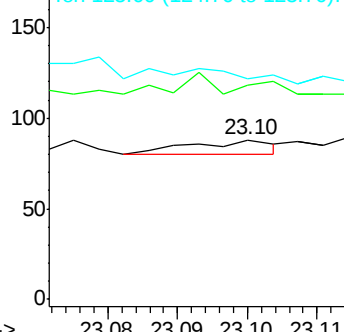
125 138.6 12.0 18.0#



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: 0.001 ng

RT: 25.54 min Scan# 2854

Delta R.T. 0.01 min

Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

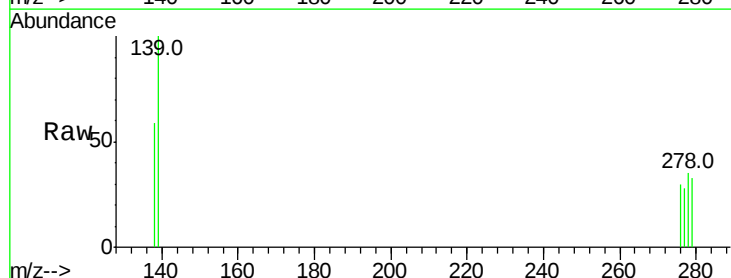
Tgt Ion:278 Resp: 18

Ion Ratio Lower Upper

278 100

139 288.2 16.0 24.0#

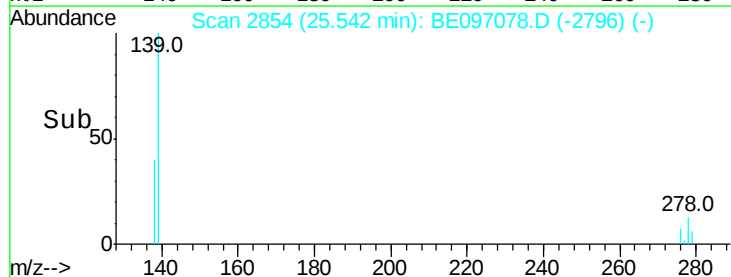
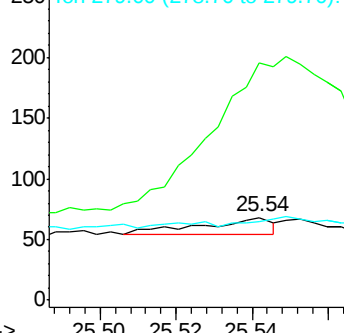
279 95.6 20.0 30.0#

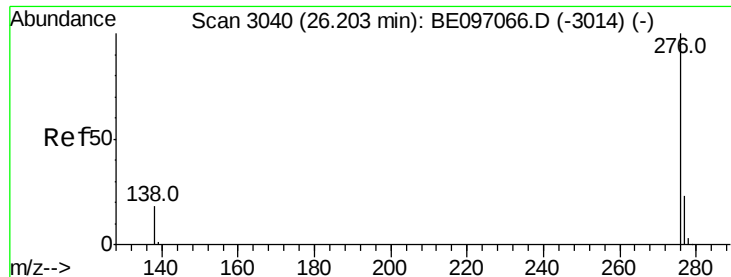


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.001 ng

RT: 26.21 min Scan# 3040

Delta R.T. 0.00 min

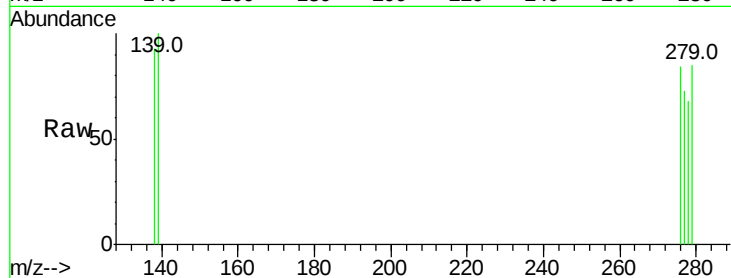
Lab File: BE097078.D

Acq: 24 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :



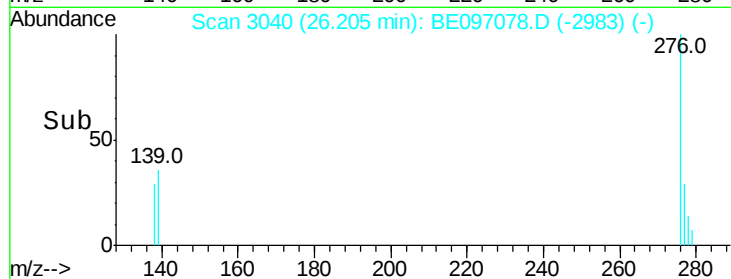
Tot Ion:276 Resp: 36

Ion Ratio Lower Upper

276 100

277 87.3 16.0 24.0#

138 111.1 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

100

80

60

40

20

0

26.15

26.20

26.25

Time-->