

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071918\
 Data File : BE097002.D
 Acq On : 19 Jul 2018 13:21
 Operator : SJ/JU
 Sample : PB111184BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 19 14:02:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 15:02:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1487	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6142	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	2969	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	9396	0.40	ng	0.00
27) Chrysene-d12	20.98	240	8962	0.40	ng	0.00
34) Perylene-d12	23.22	264	7876	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.07	112	1230	0.35	ng	0.01
5) Phenol-d6	6.60	99	1519	0.28	ng	0.00
8) Nitrobenzene-d5	8.53	82	1716	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	2761	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	240	0.38	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	4166	0.38	ng	0.00
25) Fluoranthene-d10	18.82	212	35800	0.44	ng	0.00
29) Terphenyl-d14	19.43	244	7240	0.42	ng	0.00

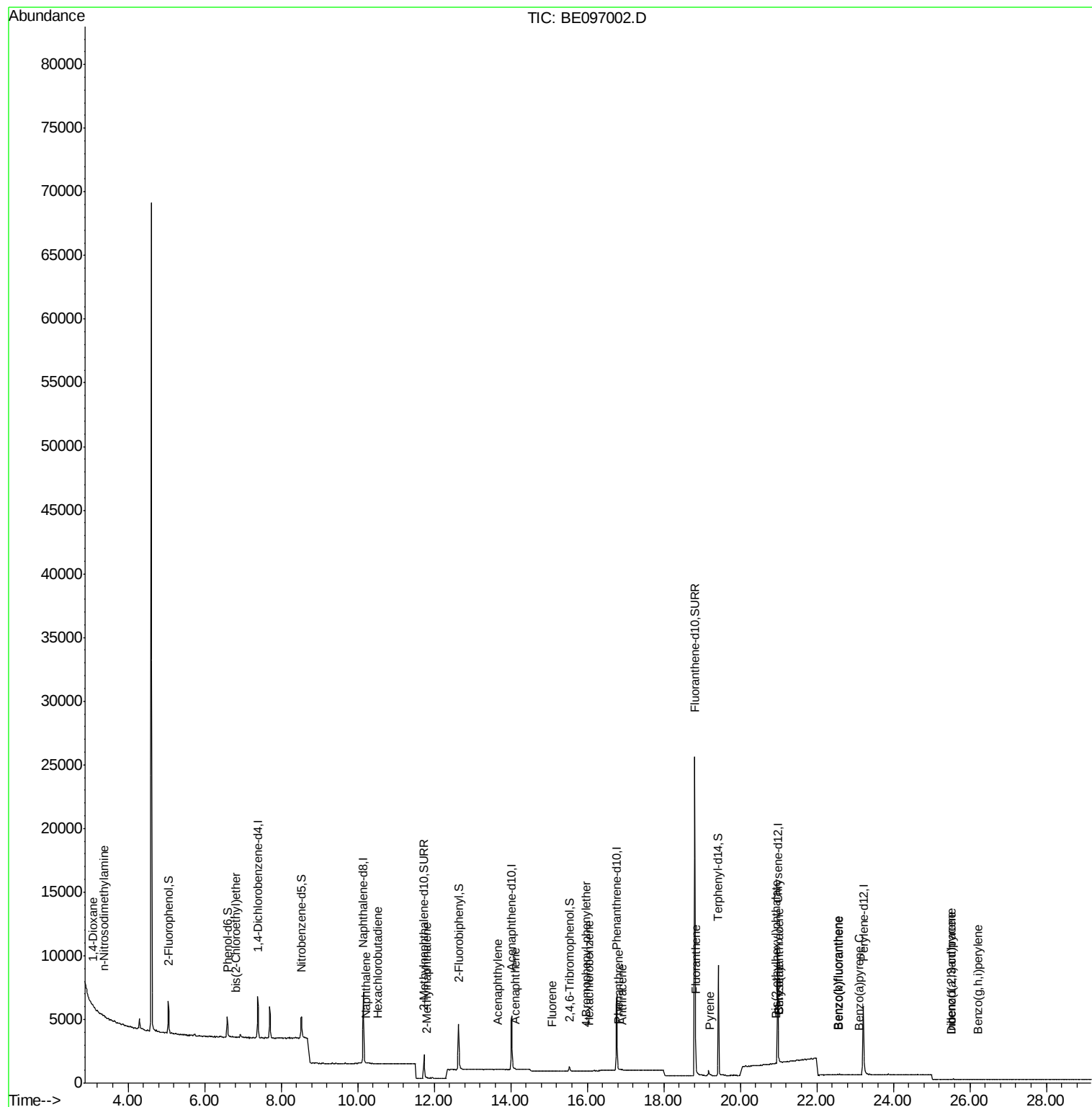
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	18	0.008	ng	# 16
3) n-Nitrosodimethylamine	3.36	42	33	0.014	ng	# 1
6) bis(2-Chloroethyl)ether	6.82	93	8	0.002	ng	# 1
9) Naphthalene	10.22	128	43	0.001	ng	# 44
10) Hexachlorobutadiene	10.52	225	1	0.000	ng	# 1
12) 2-Methylnaphthalene	11.81	142	3	0.000	ng	# 57
16) Acenaphthylene	13.67	152	7	0.001	ng	# 75
17) Acenaphthene	14.13	154	9	0.001	ng	# 38
18) Fluorene	15.09	166	3	0.000	ng	# 1
20) 4-Bromophenyl-phenylether	15.97	248	7	0.002	ng	# 56
21) Hexachlorobenzene	16.05	284	6	0.001	ng	# 38
22) Pentachlorophenol	16.43	266	3	Below Cal		95
23) Phenanthrene	16.81	178	29	0.001	ng	# 37
24) Anthracene	16.92	178	6	0.000	ng	# 62
26) Fluoranthene	18.84	202	15	0.001	ng	# 29
28) Pyrene	19.21	202	22	0.001	ng	# 83
30) Benzo(a)anthracene	21.01	228	175	0.008	ng	# 31
31) Chrysene	21.01	228	147	0.006	ng	# 31
32) Bis(2-ethylhexyl)phthalate	20.93	149	331	0.016	ng	# 97
33) Indeno(1,2,3-cd)pyrene	25.51	276	5	0.000	ng	# 1
35) Benzo(b)fluoranthene	22.54	252	85	0.004	ng	# 1
36) Benzo(k)fluoranthene	22.58	252	6	0.000	ng	# 1
37) Benzo(a)pyrene	23.12	252	4	0.101	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	1	0.118	ng	# 1
39) Benzo(g,h,i)perylene	26.21	276	5	0.000	ng	# 1

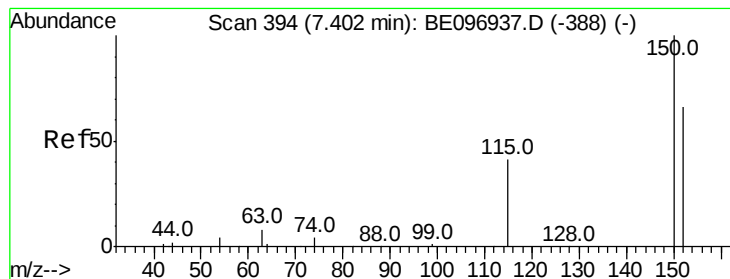
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. -0.01 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

Instrument :

BNA_E

ClientSampleId :

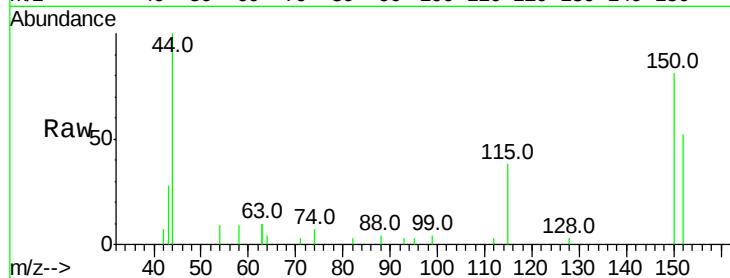
Tot Ion:152 Resp: 1487

Ion Ratio Lower Upper

152 100

150 156.7 117.2 175.8

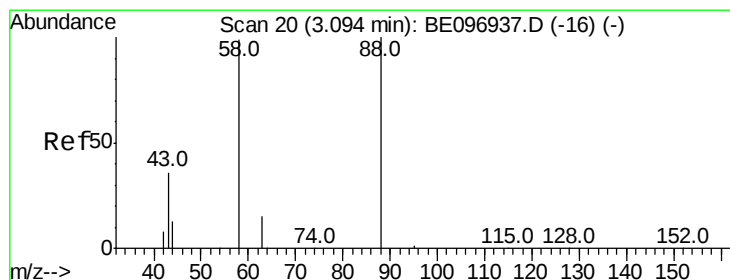
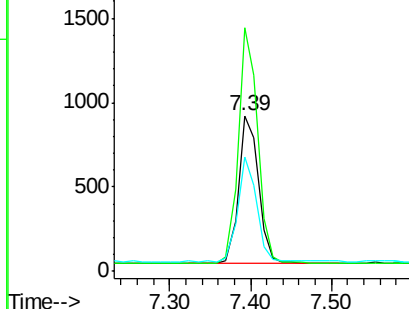
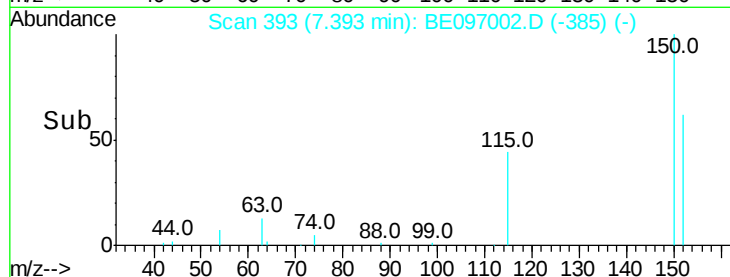
115 73.4 57.0 85.6



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: 0.008 ng

RT: 3.09 min Scan# 19

Delta R.T. -0.01 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

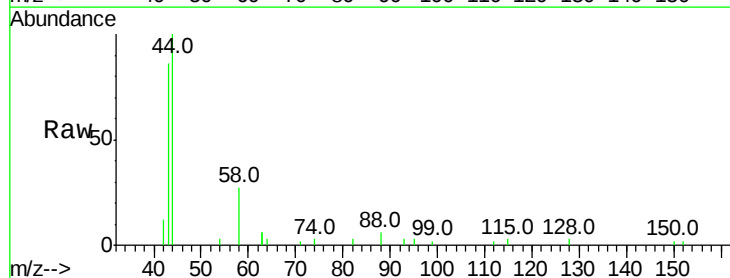
Tgt Ion: 88 Resp: 18

Ion Ratio Lower Upper

88 100

58 0.0 63.2 94.8#

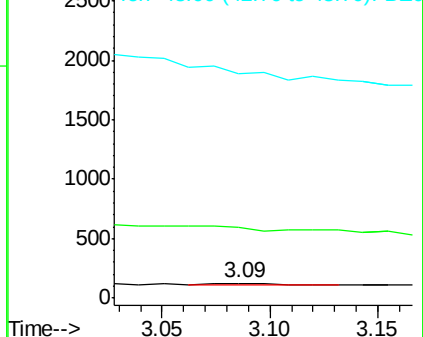
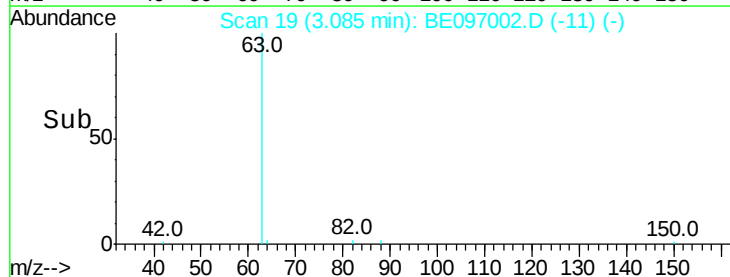
43 0.0 41.2 61.8#



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



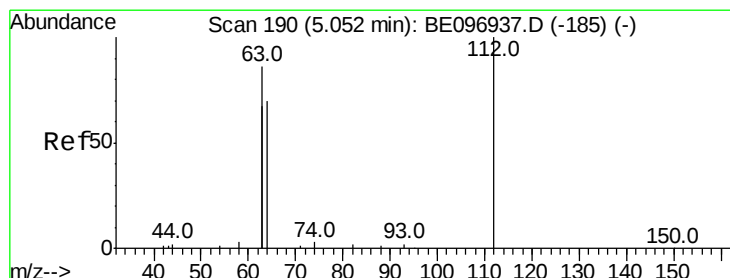
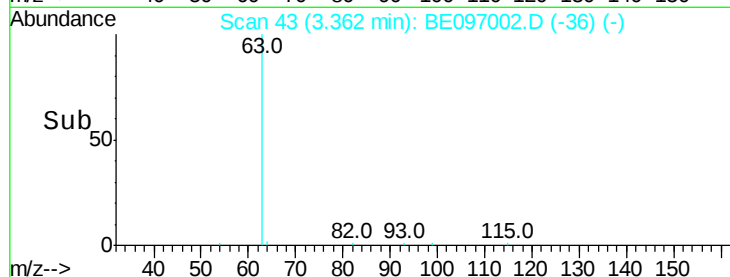
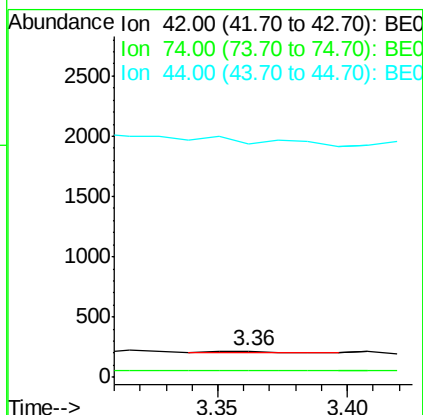
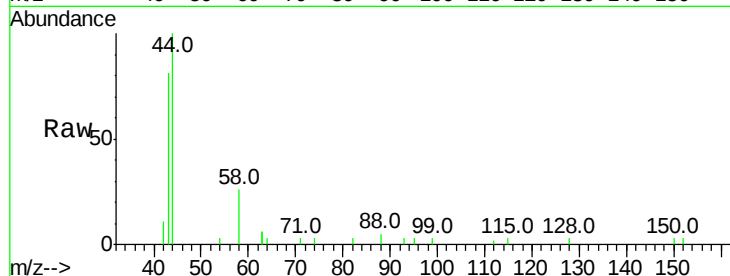


#3

n-Nitrosodimethylamine
 Concen: 0.014 ng
 RT: 3.36 min Scan# 43
 Delta R.T. -0.02 min
 Lab File: BE097002.D
 Acq: 19 Jul 2018 13:21

Instrument :
 BNA_E
 ClientSampled :

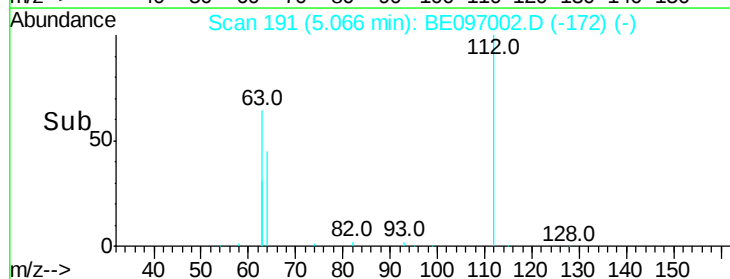
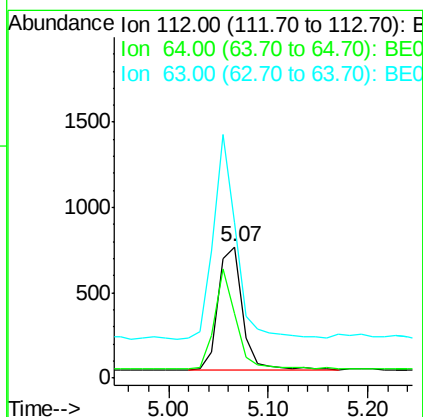
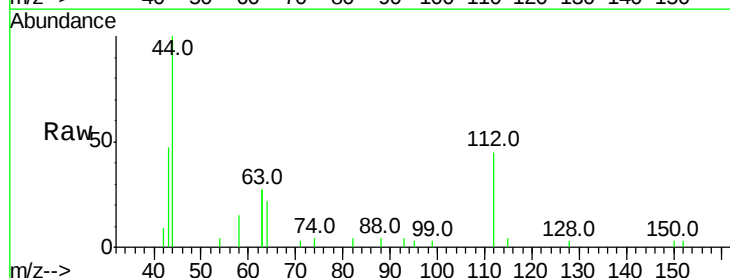
Tot Ion: 42 Resp: 33
 Ion Ratio Lower Upper
 42 100
 74 0.0 96.0 144.0#
 44 0.0 12.0 18.0#

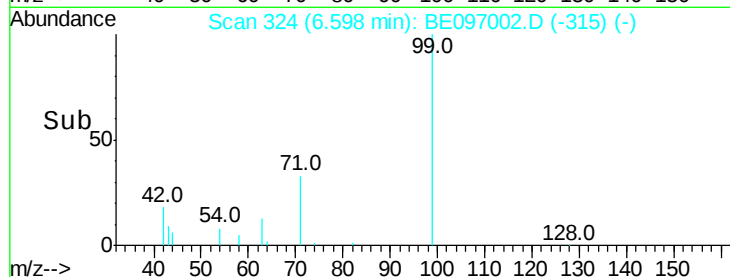
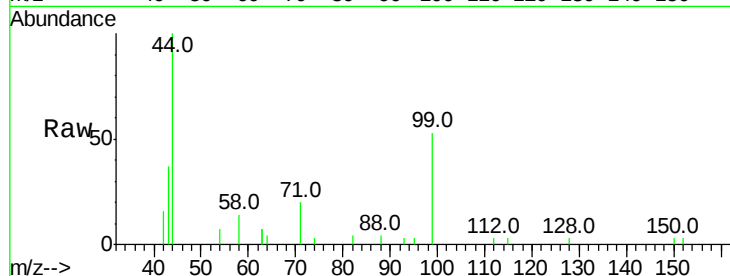
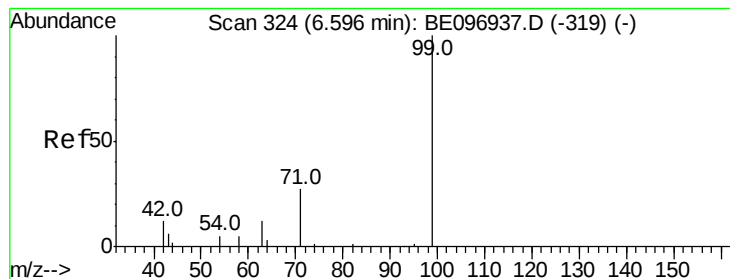


#4

2-Fluorophenol
 Concen: 0.346 ng
 RT: 5.07 min Scan# 191
 Delta R.T. 0.01 min
 Lab File: BE097002.D
 Acq: 19 Jul 2018 13:21

Tgt Ion: 112 Resp: 1230
 Ion Ratio Lower Upper
 112 100
 64 71.9 60.1 90.1
 63 157.6 116.8 175.2





#5

Phenol-d6

Concen: 0.280 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

Instrument :

BNA_E

ClientSampleId :

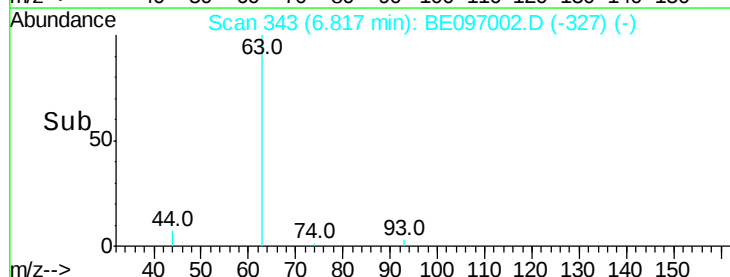
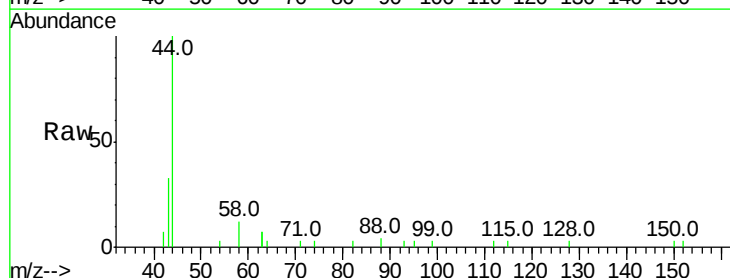
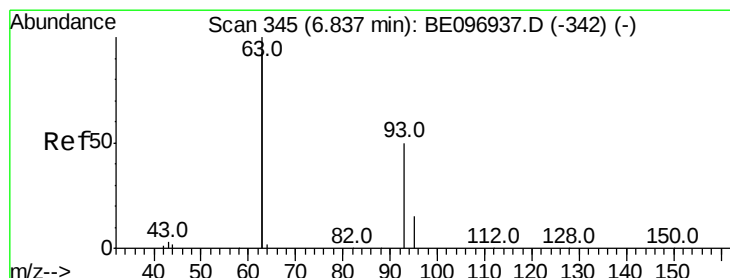
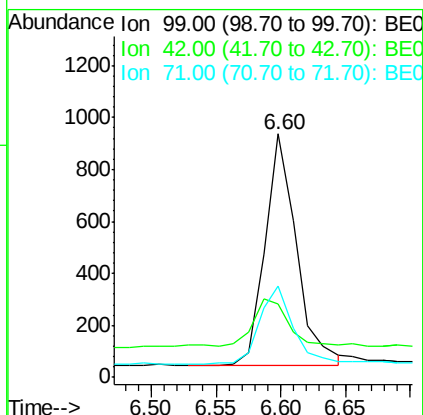
Tot Ion: 99 Resp: 1519

Ion Ratio Lower Upper

99 100

42 23.3 20.2 30.2

71 35.9 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.002 ng

RT: 6.82 min Scan# 343

Delta R.T. -0.02 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

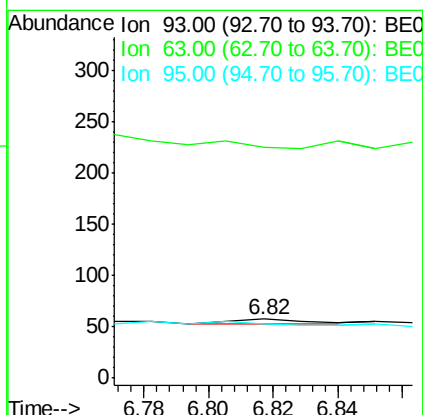
Tgt Ion: 93 Resp: 8

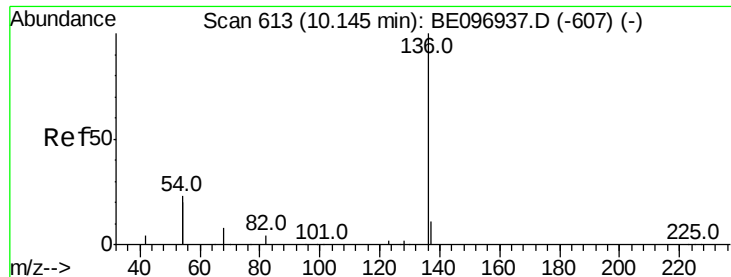
Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

95 0.0 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: BE097002.D

Acq: 19 Jul 2018 13:21

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 6142

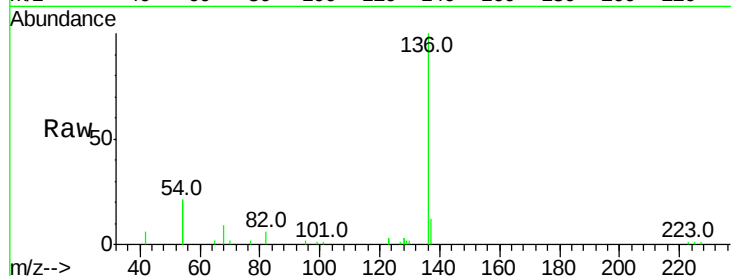
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 42.6 29.1 43.7

68 8.7 6.2 9.2

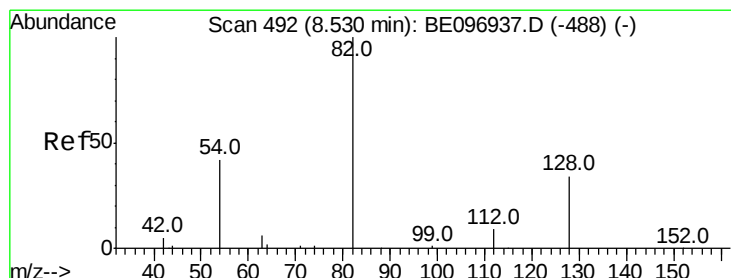
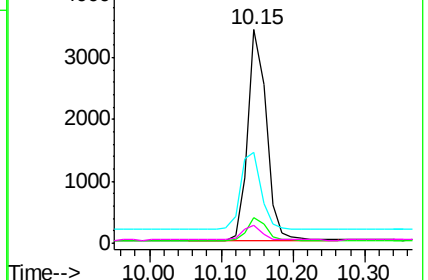
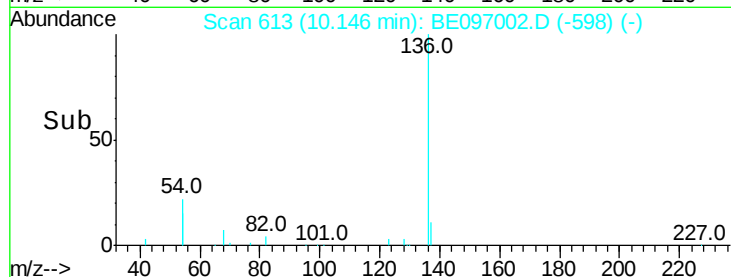


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.383 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

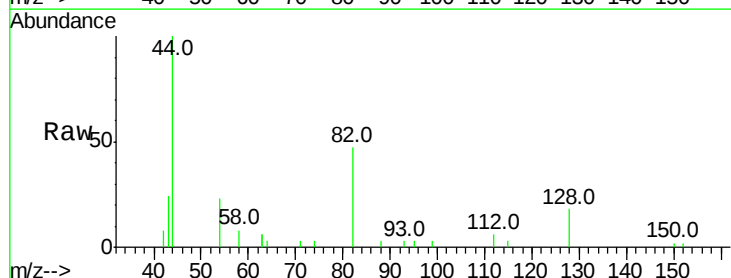
Tgt Ion: 82 Resp: 1716

Ion Ratio Lower Upper

82 100

128 38.3 24.0 36.0#

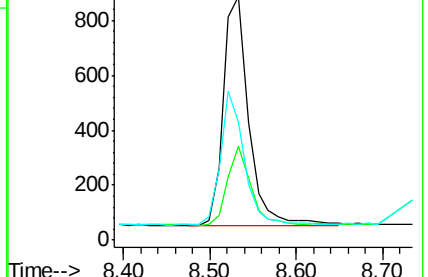
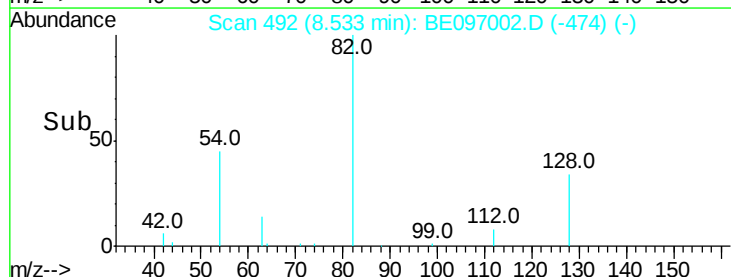
54 48.8 40.0 60.0



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: 0.001 ng

RT: 10.22 min Scan# 619

Delta R.T. 0.03 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

Instrument :

BNA_E

ClientSampleId :

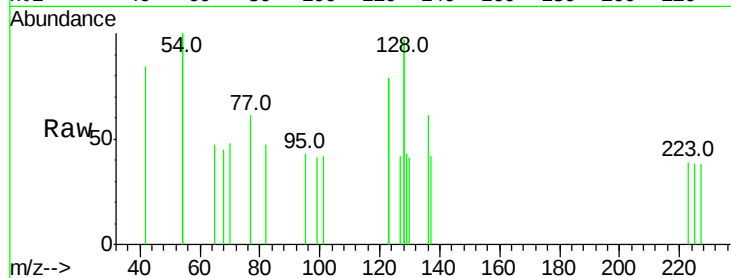
Tot Ion:128 Resp: 43

Ion Ratio Lower Upper

128 100

129 22.0 2.6 3.8#

127 21.6 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

10.22

250

200

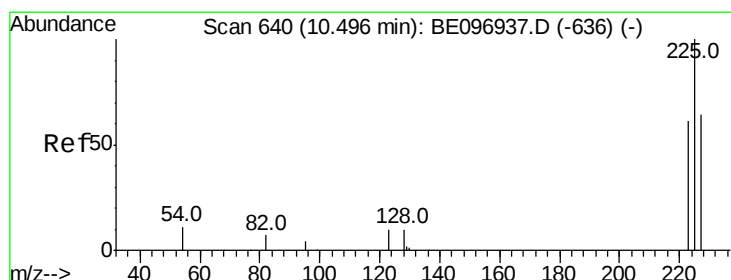
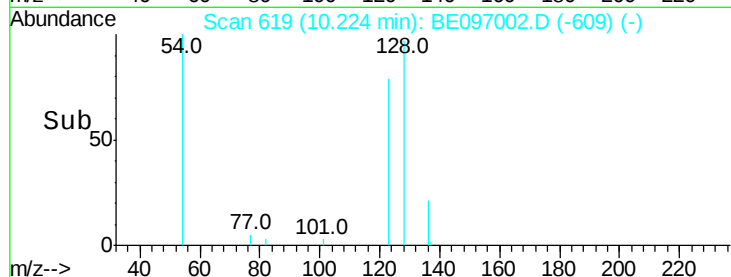
150

100

50

0

Time-->



#10

Hexachlorobutadiene

Concen: 0.000 ng

RT: 10.52 min Scan# 642

Delta R.T. 0.03 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

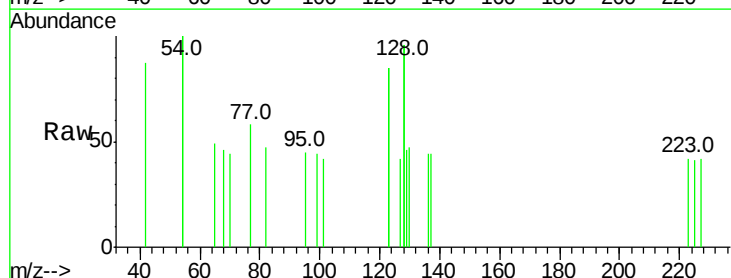
Tgt Ion:225 Resp: 1

Ion Ratio Lower Upper

225 100

223 400.0 53.0 79.6#

227 0.0 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

10.52

60

50

40

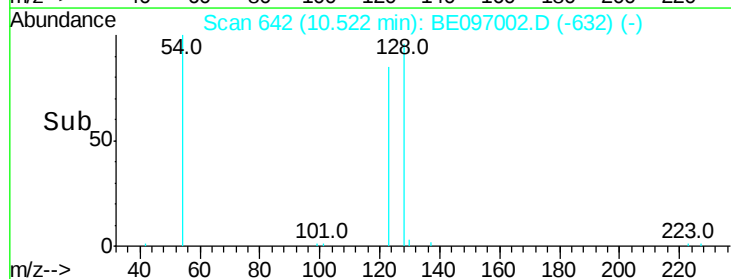
30

20

10

0

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.308 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

Instrument :

BNA_E

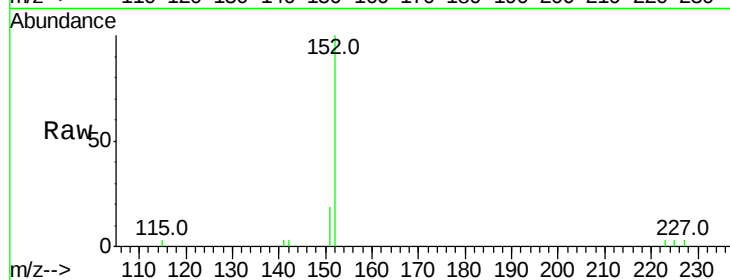
ClientSampleId :

Tot Ion:152 Resp: 2761

Ion Ratio Lower Upper

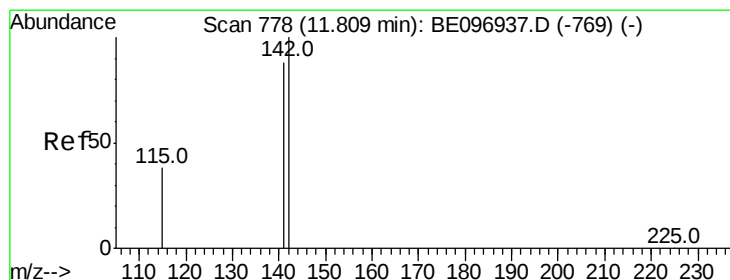
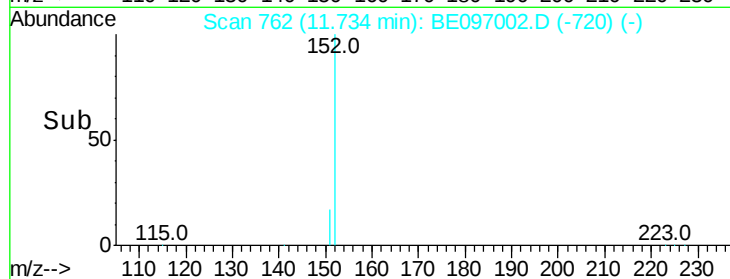
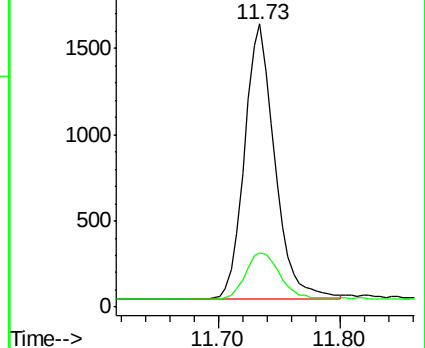
152 100

151 19.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.000 ng

RT: 11.81 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

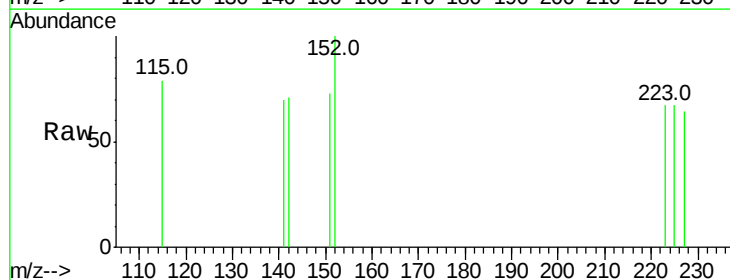
Tgt Ion:142 Resp: 3

Ion Ratio Lower Upper

142 100

141 98.0 70.4 105.6

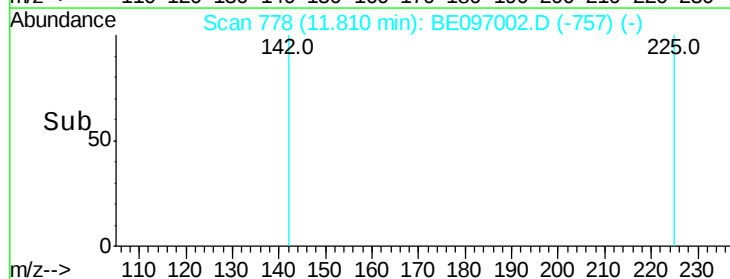
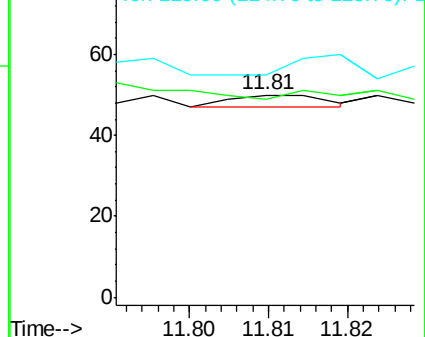
115 110.0 31.7 47.5#

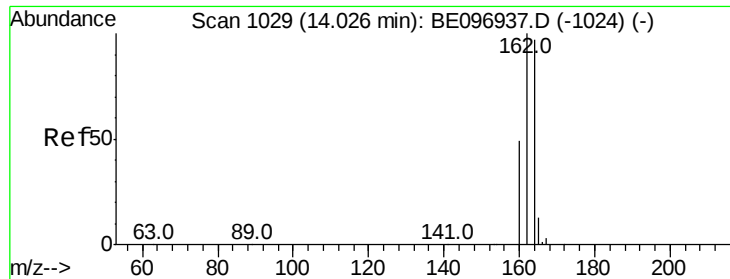


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

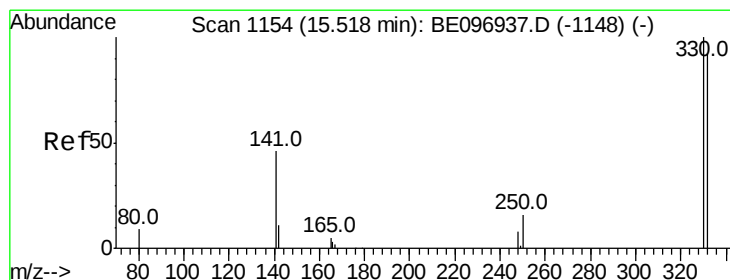
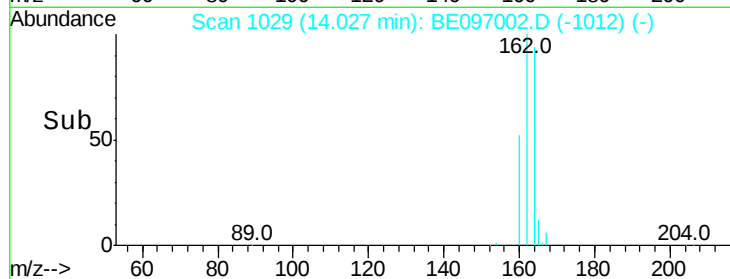
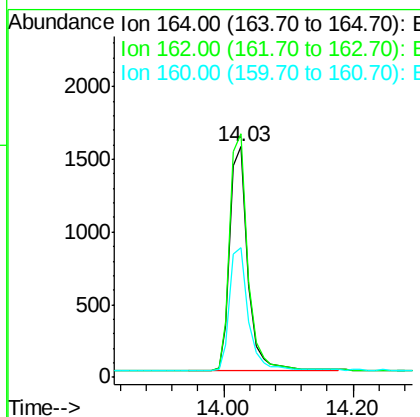
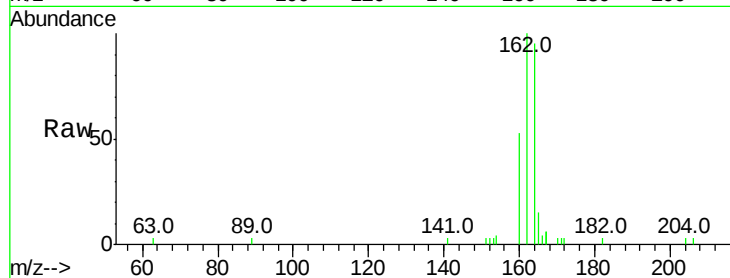




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BE097002.D
Acq: 19 Jul 2018 13:21

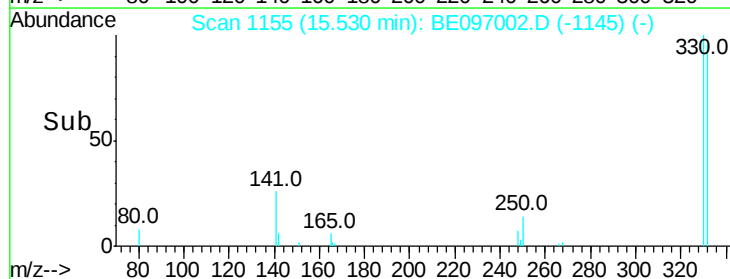
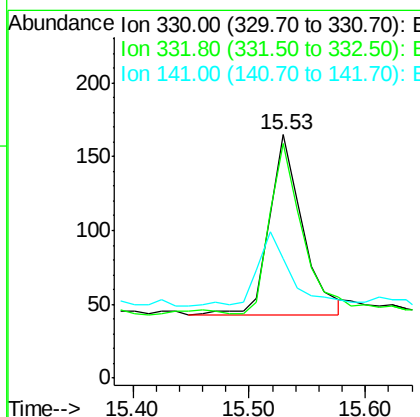
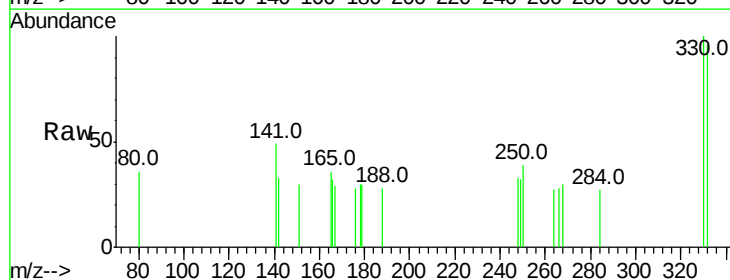
Instrument :
BNA_E
ClientSampleId :

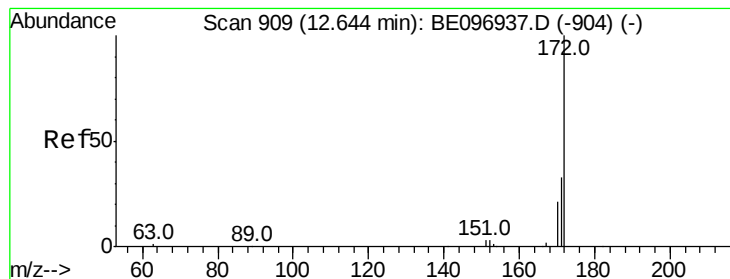
Tot Ion:164 Resp: 2969
Ion Ratio Lower Upper
164 100
162 105.7 83.1 124.7
160 56.5 37.1 55.7#



#14
2,4,6-Tribromophenol
Concen: 0.377 ng
RT: 15.53 min Scan# 1155
Delta R.T. 0.01 min
Lab File: BE097002.D
Acq: 19 Jul 2018 13:21

Tgt Ion:330 Resp: 240
Ion Ratio Lower Upper
330 100
332 92.5 152.7 229.1#
141 41.3 33.7 50.5

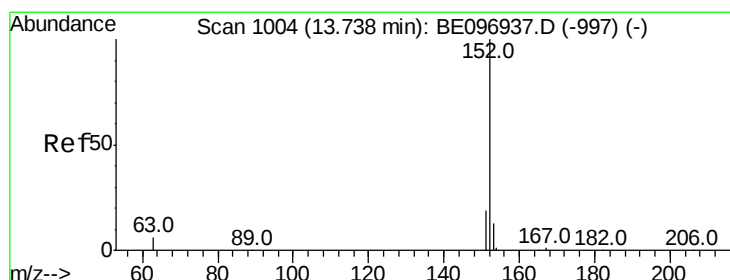
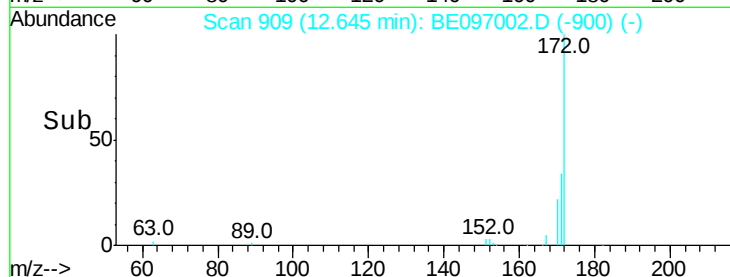
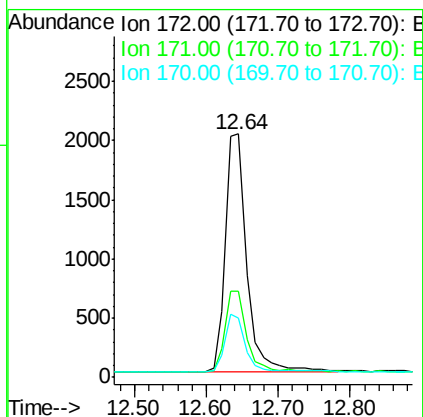
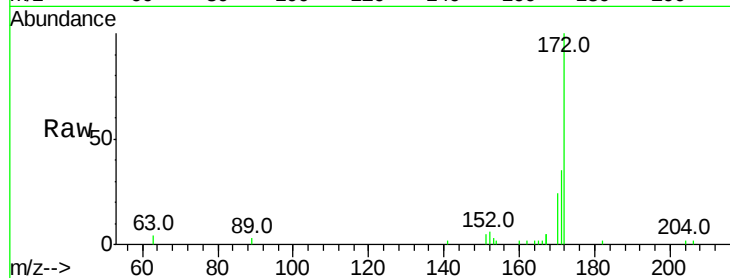




#15
2-Fluorobiphenyl
Concen: 0.377 ng
RT: 12.64 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE097002.D
Acq: 19 Jul 2018 13:21

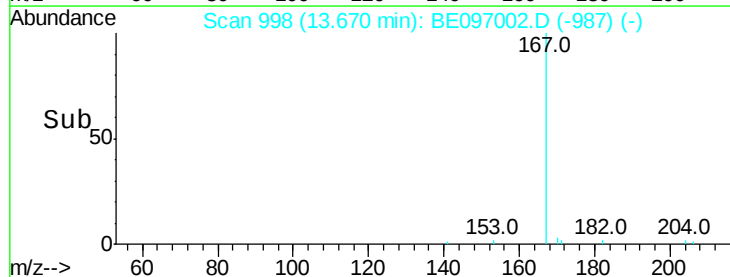
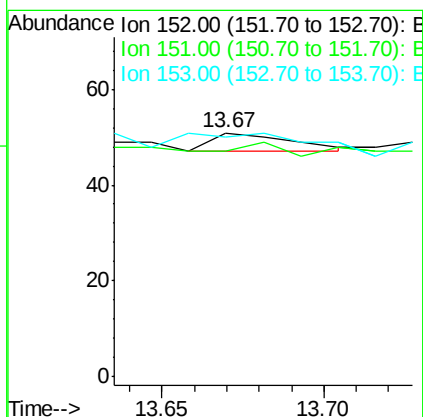
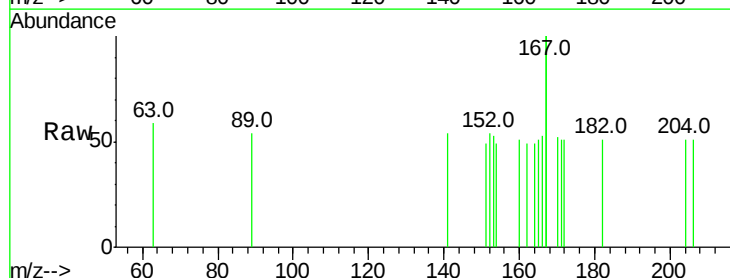
Instrument :
BNA_E
ClientSampleId :

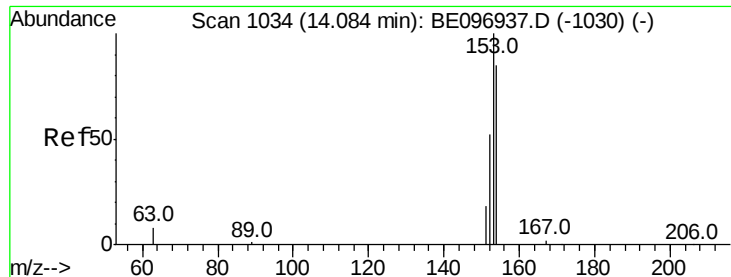
Tot Ion:172 Resp: 4166
Ion Ratio Lower Upper
172 100
171 35.4 29.9 44.9
170 24.3 21.8 32.8



#16
Acenaphthylene
Concen: 0.001 ng
RT: 13.67 min Scan# 998
Delta R.T. -0.07 min
Lab File: BE097002.D
Acq: 19 Jul 2018 13:21

Tgt Ion:152 Resp: 7
Ion Ratio Lower Upper
152 100
151 28.6 15.7 23.5#
153 0.0 10.5 15.7#





#17

Acenaphthene

Concen: 0.001 ng

RT: 14.13 min Scan# 1038

Delta R.T. 0.05 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

Instrument :

BNA_E

ClientSampleId :

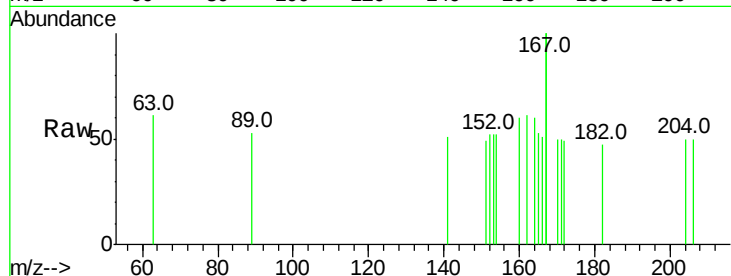
Tot Ion:154 Resp: 9

Ion Ratio Lower Upper

154 100

153 44.4 89.2 133.8#

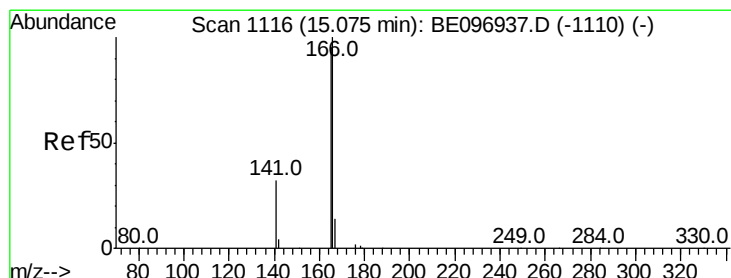
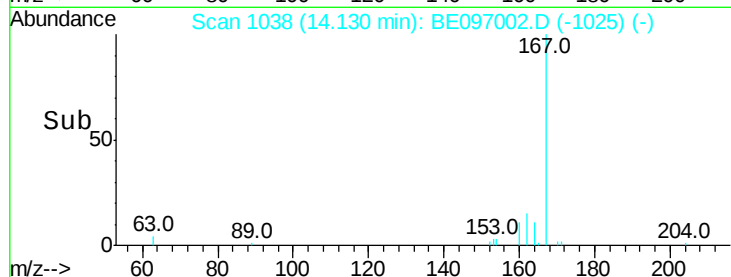
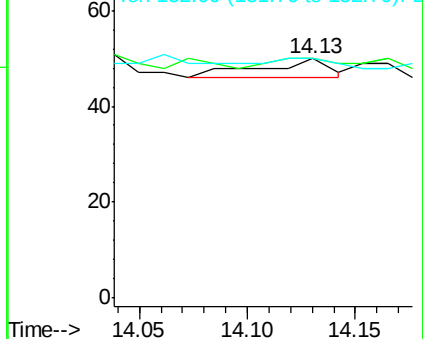
152 11.1 42.0 63.0#



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: 0.000 ng

RT: 15.09 min Scan# 1117

Delta R.T. 0.01 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

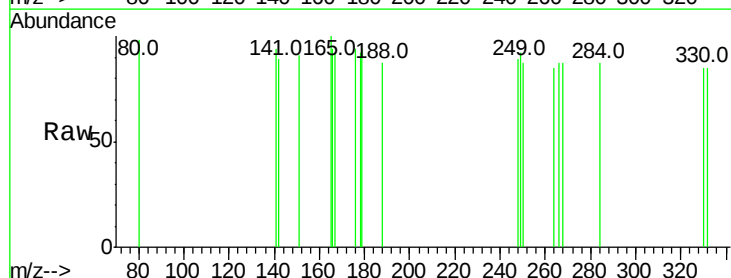
Tgt Ion:166 Resp: 3

Ion Ratio Lower Upper

166 100

165 266.7 77.8 116.6#

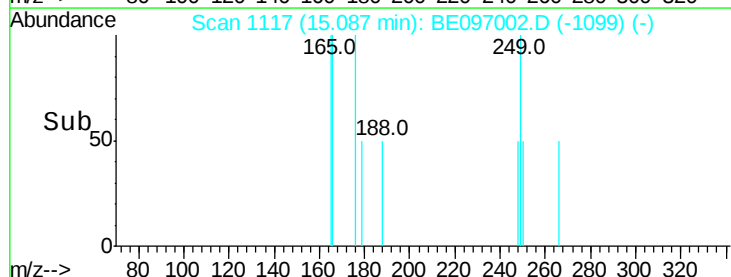
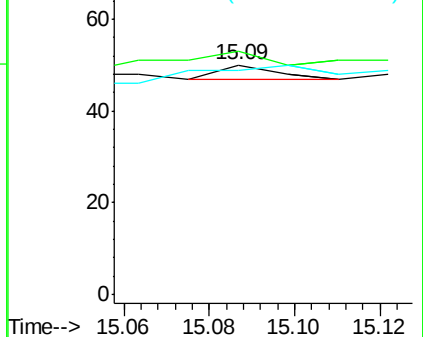
167 366.7 42.4 63.6#

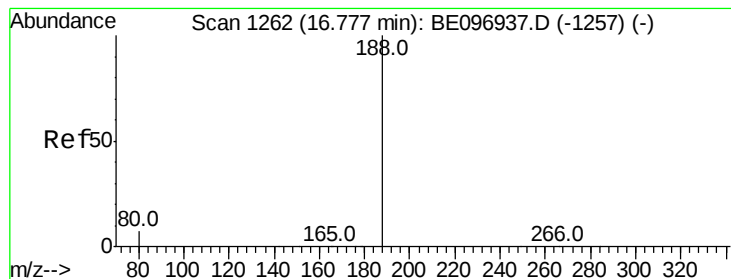


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.78 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

Instrument :

BNA_E

ClientSampleId :

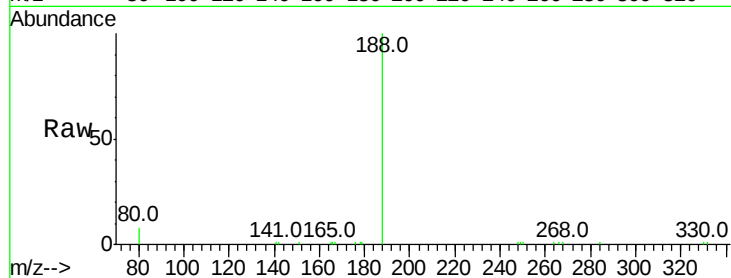
Tot Ion:188 Resp: 9396

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

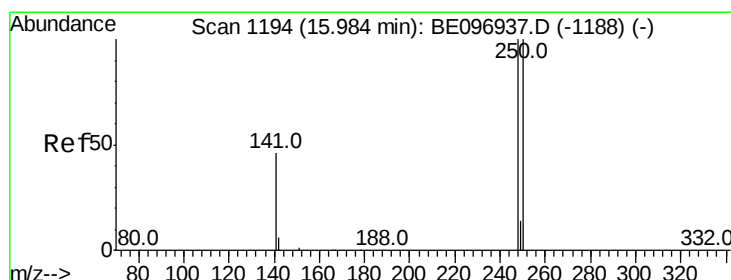
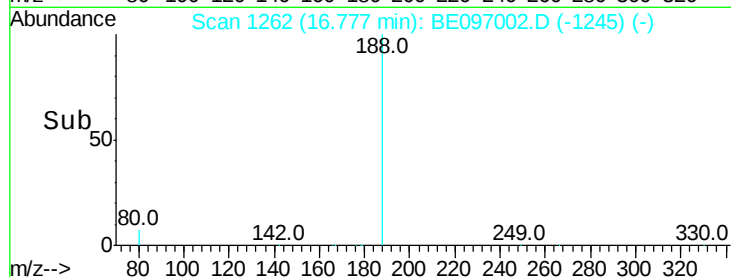
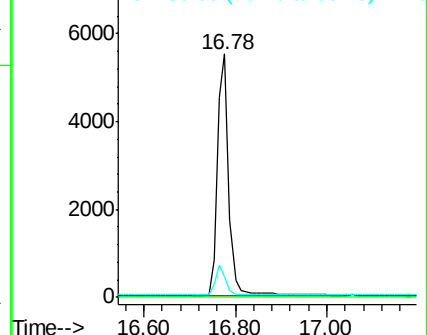
80 8.4 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.002 ng

RT: 15.97 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

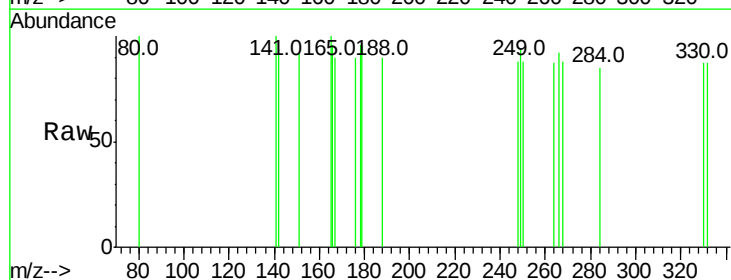
Tgt Ion:248 Resp: 7

Ion Ratio Lower Upper

248 100

250 100.0 62.7 94.1#

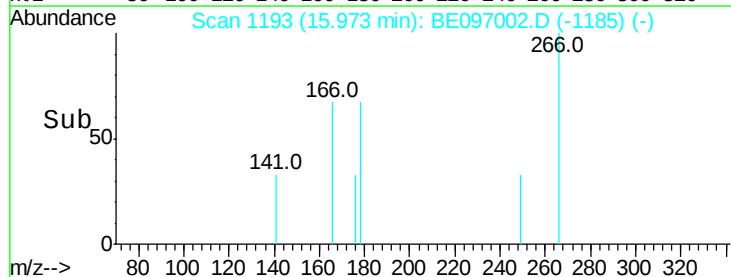
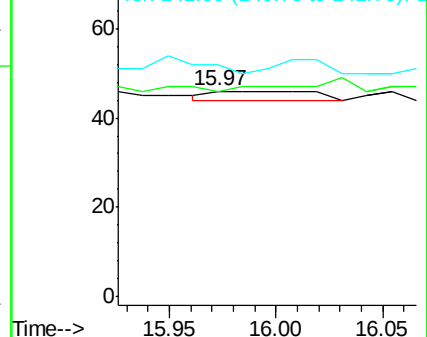
141 113.0 48.2 72.2#

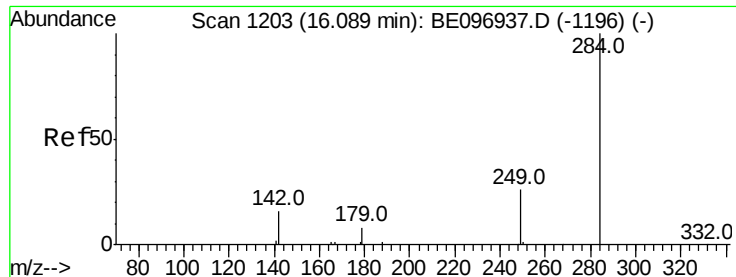


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

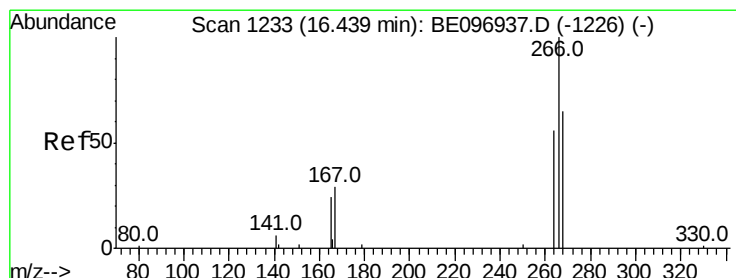
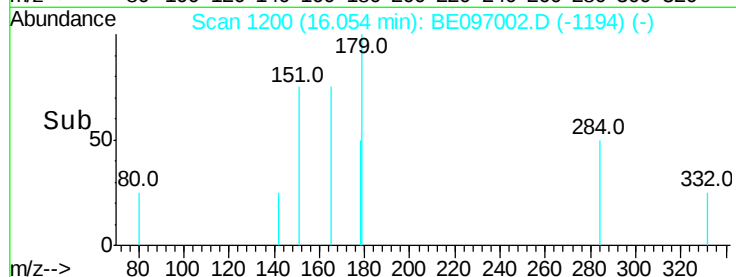
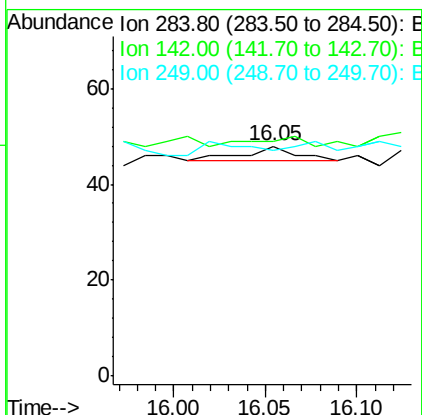
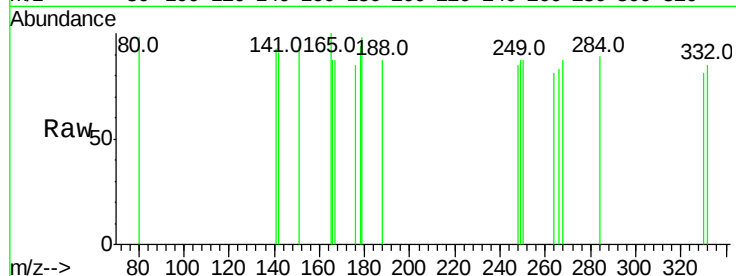




#21
Hexachlorobenzene
Concen: 0.001 ng
RT: 16.05 min Scan# 1200
Delta R.T. -0.03 min
Lab File: BE097002.D
Acq: 19 Jul 2018 13:21

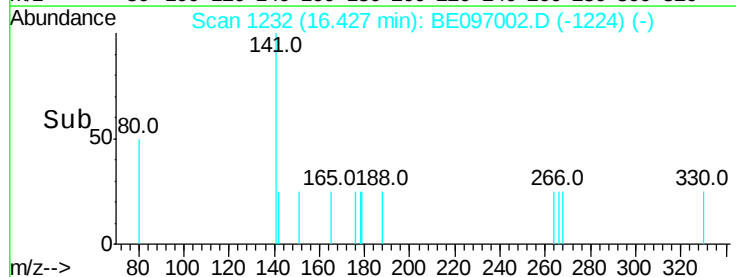
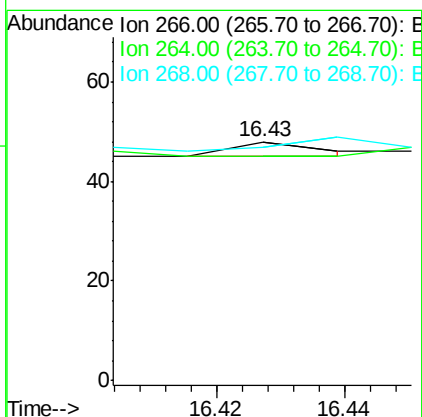
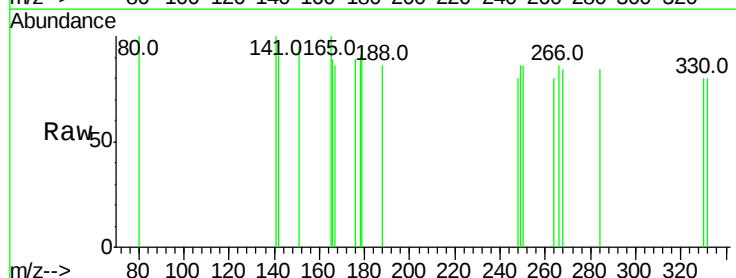
Instrument :
BNA_E
ClientSampleId :

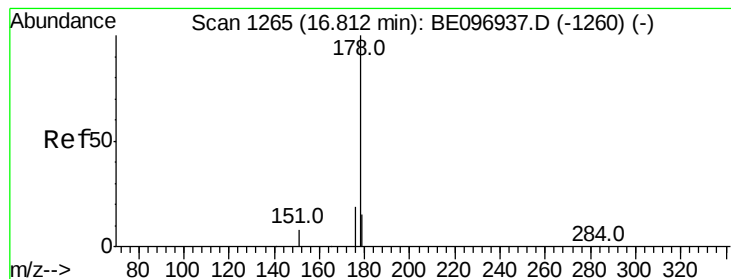
Tot Ion:284 Resp: 6
Ion Ratio Lower Upper
284 100
142 0.0 22.1 33.1#
249 0.0 34.8 52.2#



#22
Pentachlorophenol
Concen: Below Cal
RT: 16.43 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BE097002.D
Acq: 19 Jul 2018 13:21

Tgt Ion:266 Resp: 3
Ion Ratio Lower Upper
266 100
264 93.8 72.5 108.7
268 97.9 73.8 110.6





#23

Phenanthrene

Concen: 0.001 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

Instrument :

BNA_E

ClientSampleId :

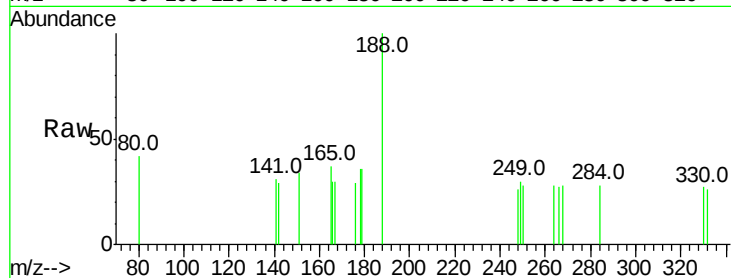
Tot Ion:178 Resp: 29

Ion Ratio Lower Upper

178 100

176 0.0 15.1 22.7#

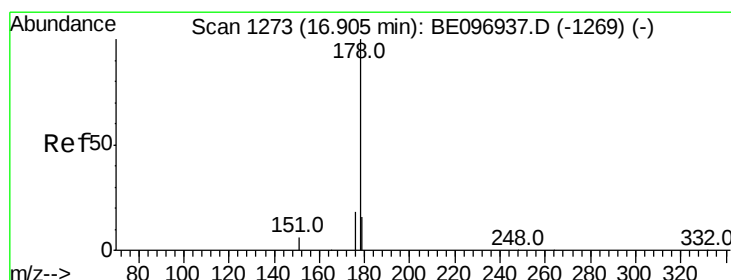
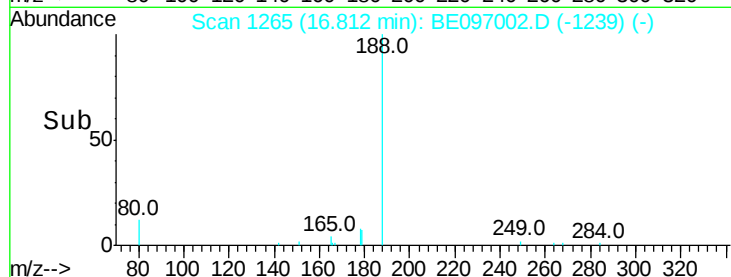
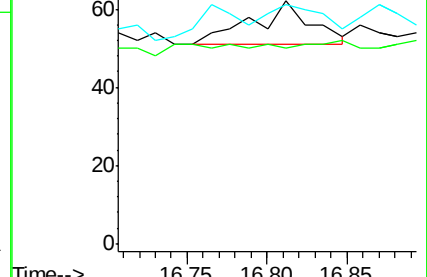
179 51.7 11.8 17.6#



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: 0.000 ng

RT: 16.92 min Scan# 1274

Delta R.T. 0.01 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

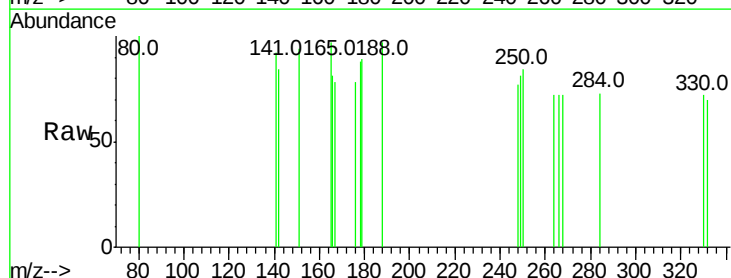
Tgt Ion:178 Resp: 6

Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

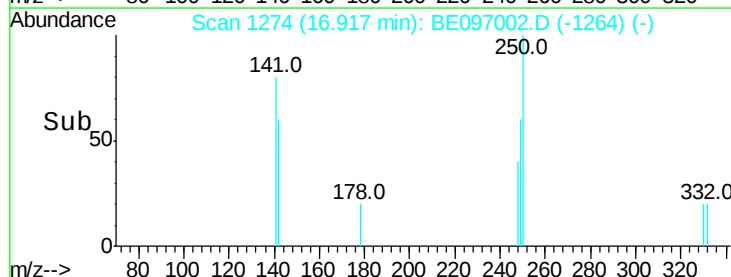
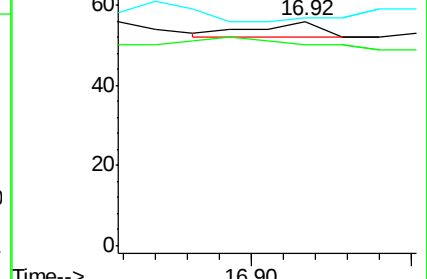
179 0.0 13.0 19.6#

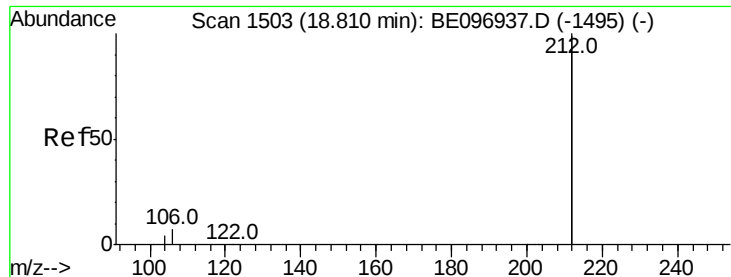


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.438 ng

RT: 18.82 min Scan# 1504

Delta R.T. 0.01 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

Instrument :

BNA_E

ClientSampleId :

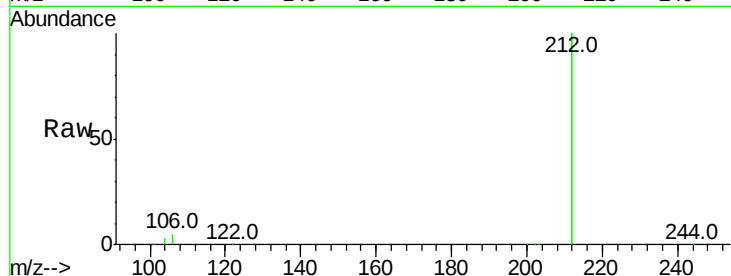
Tot Ion:212 Resp: 35800

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

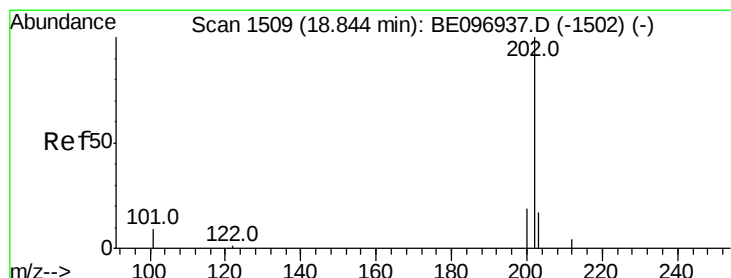
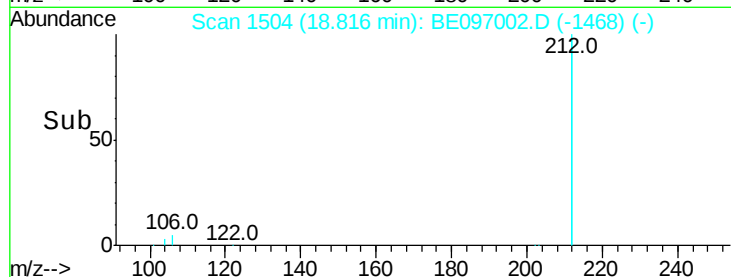
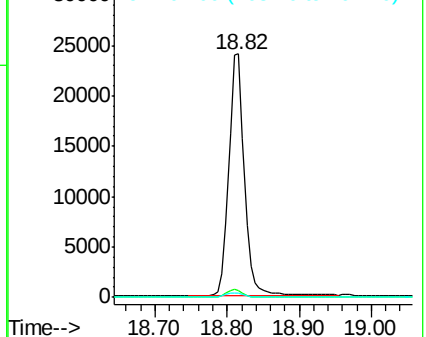
104 1.7 1.6 2.4



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: 0.001 ng

RT: 18.84 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

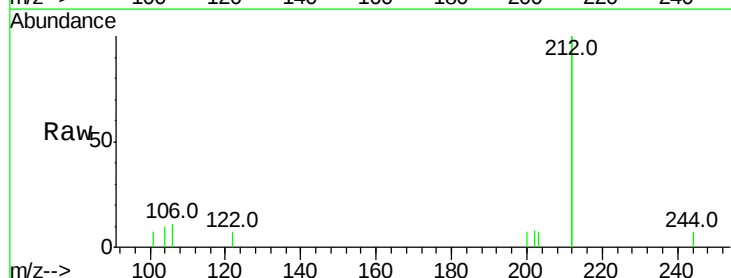
Tgt Ion:202 Resp: 15

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

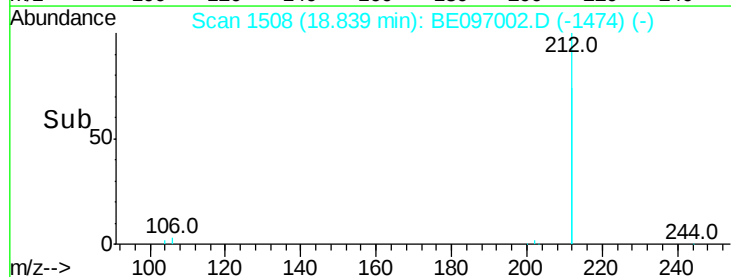
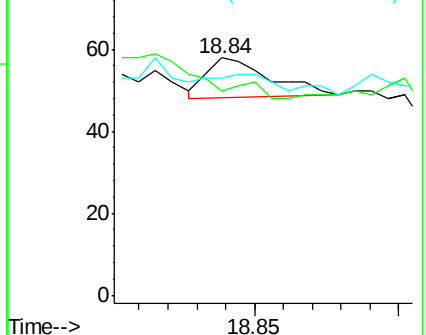
203 60.0 13.7 20.5#



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: 20.98 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

Instrument :

BNA_E

ClientSampleId :

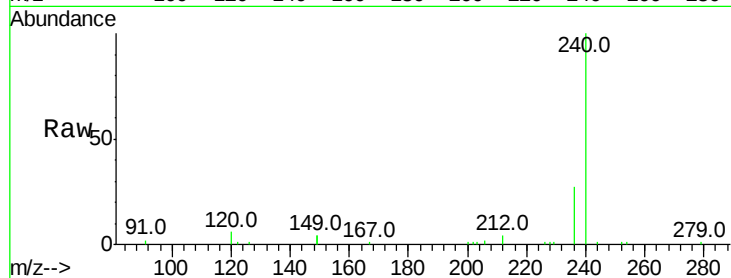
Tot Ion:240 Resp: 8962

Ion Ratio Lower Upper

240 100

120 6.1 5.5 8.3

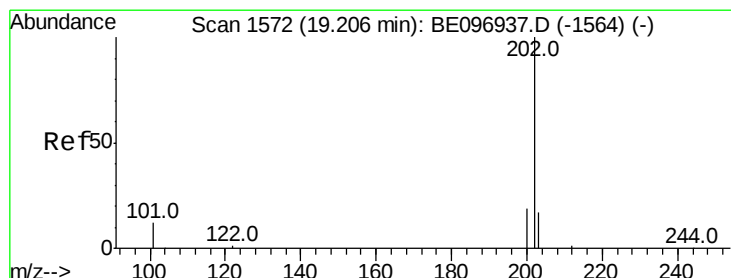
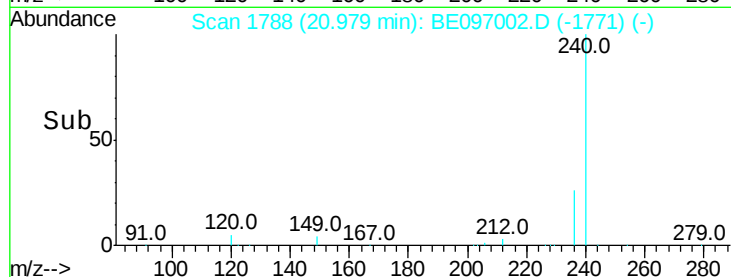
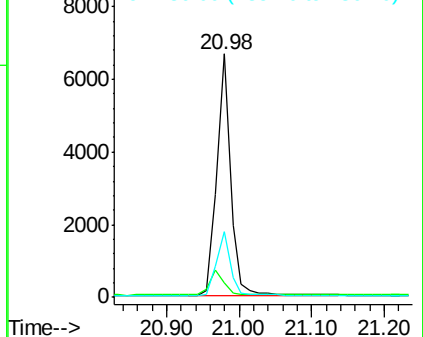
236 26.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.001 ng

RT: 19.21 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

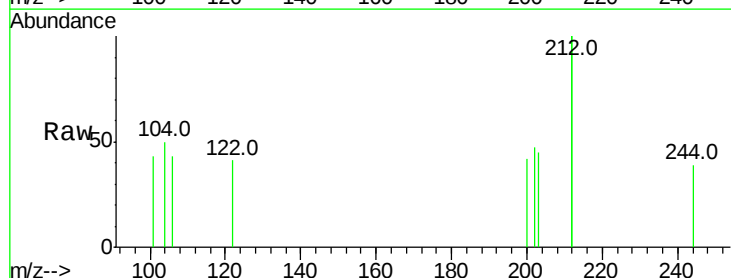
Tgt Ion:202 Resp: 22

Ion Ratio Lower Upper

202 100

200 31.8 16.6 25.0#

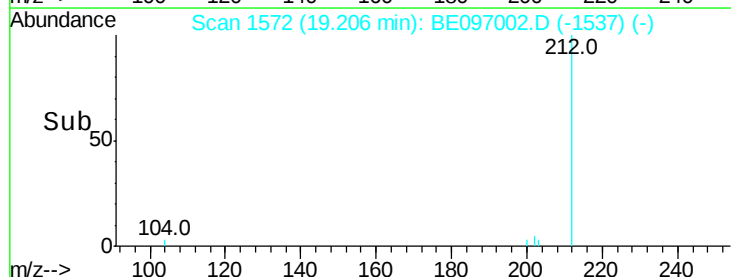
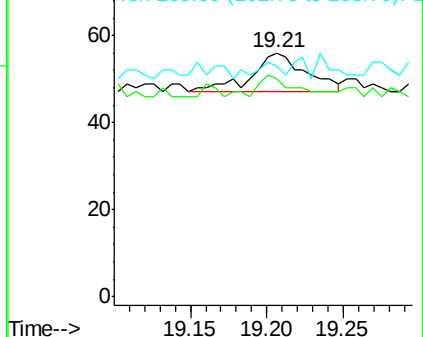
203 13.6 13.8 20.8#

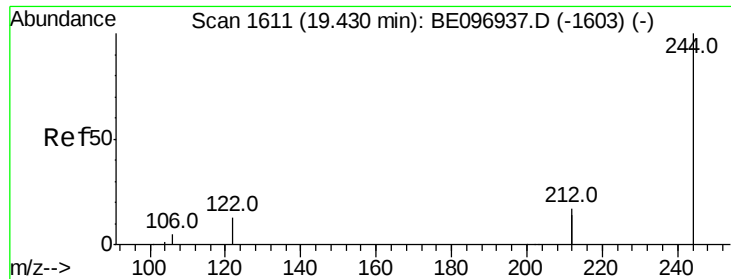


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

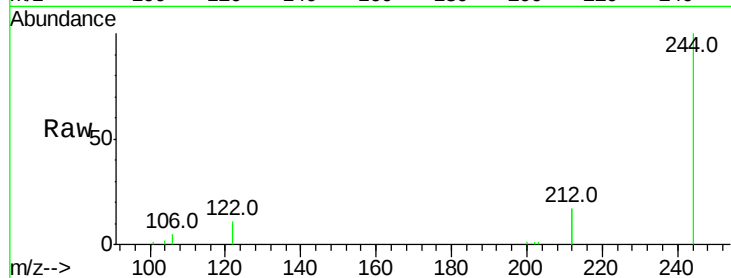




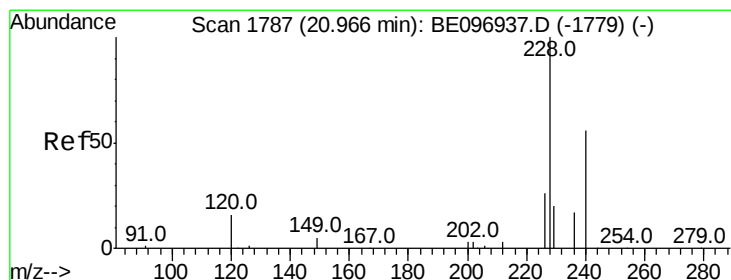
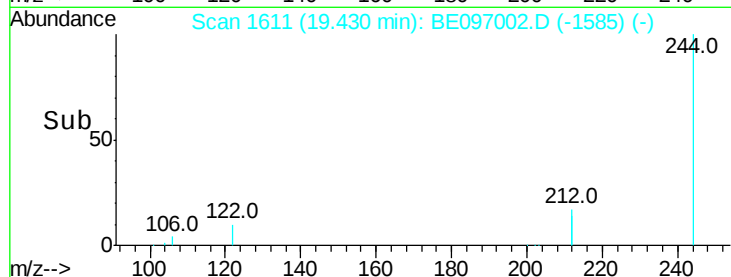
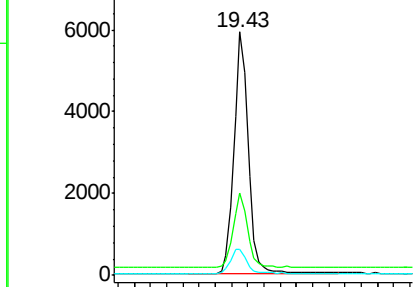
#29
 Terphenyl-d14
 Concen: 0.419 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: BE097002.D
 Acq: 19 Jul 2018 13:21

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:244 Resp: 7240
 Ion Ratio Lower Upper
 244 100
 212 34.0 25.4 38.0
 122 10.9 8.1 12.1

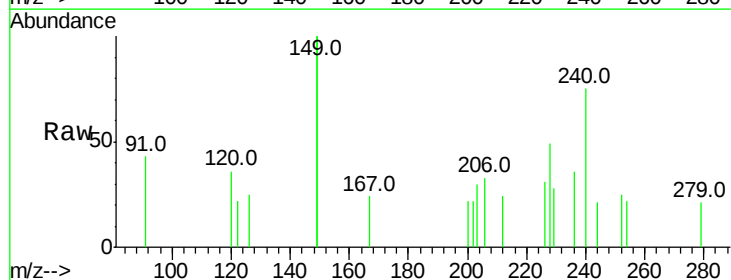


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

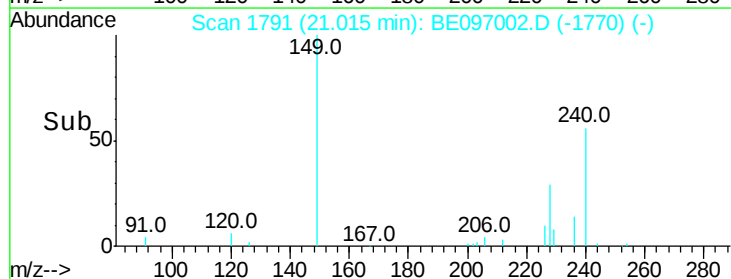
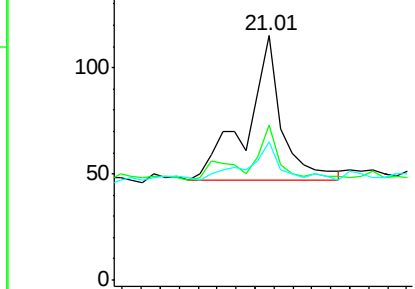


#30
 Benzo(a)anthracene
 Concen: 0.008 ng
 RT: 21.01 min Scan# 1791
 Delta R.T. 0.05 min
 Lab File: BE097002.D
 Acq: 19 Jul 2018 13:21

Tgt Ion:228 Resp: 175
 Ion Ratio Lower Upper
 228 100
 226 63.5 24.0 36.0#
 229 56.5 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: 0.006 ng

RT: 21.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

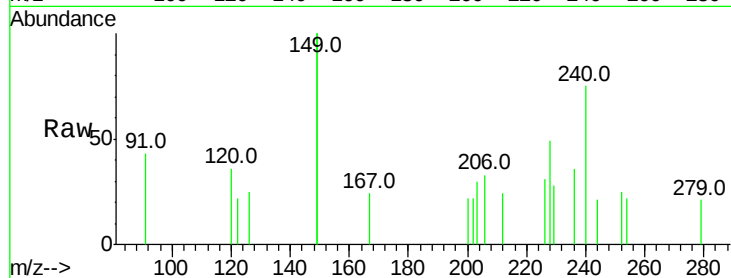
Instrument :

BNA_E

ClientSampled :

Tot Ion:228 Resp: 147

Ion	Ratio	Lower	Upper
228	100		
226	63.5	24.0	36.0#
229	56.5	16.0	24.0#

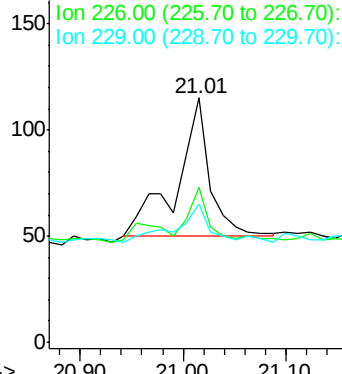


Abundance

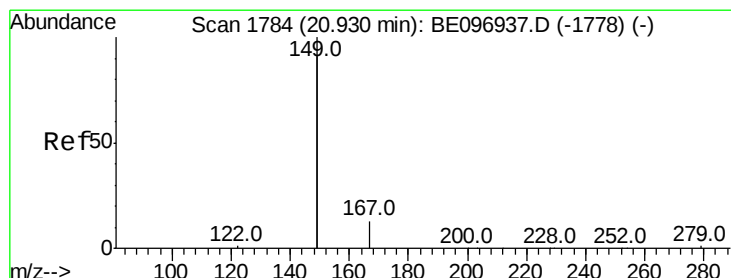
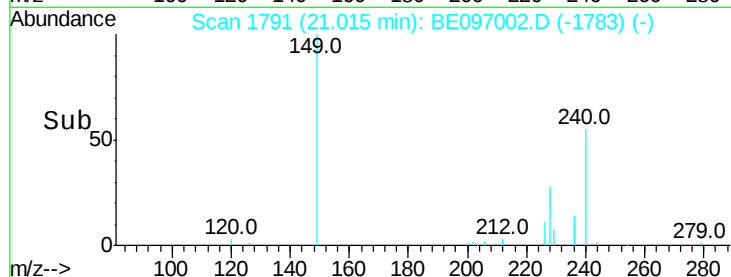
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.016 ng

RT: 20.93 min Scan# 1784

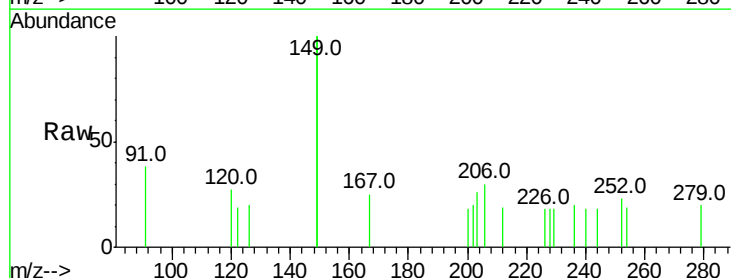
Delta R.T. 0.00 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

Tgt Ion:149 Resp: 331

Ion	Ratio	Lower	Upper
149	100		
167	5.4	5.4	8.0
279	0.0	0.7	1.1#

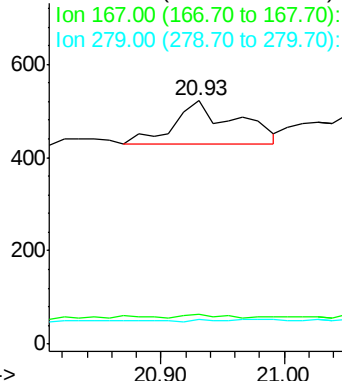


Abundance

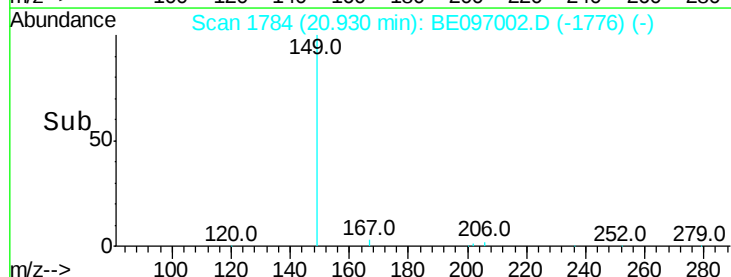
Ion 149.00 (148.70 to 149.70): E

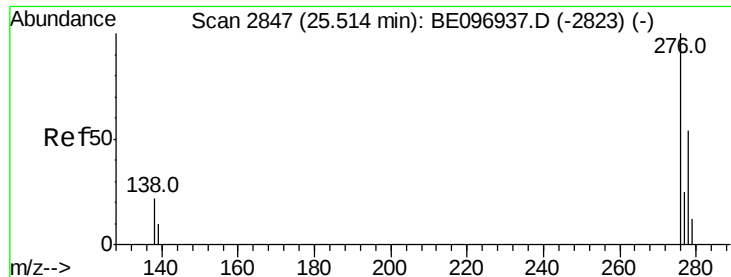
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.000 ng

RT: 25.51 min Scan# 2847

Delta R.T. -0.00 min

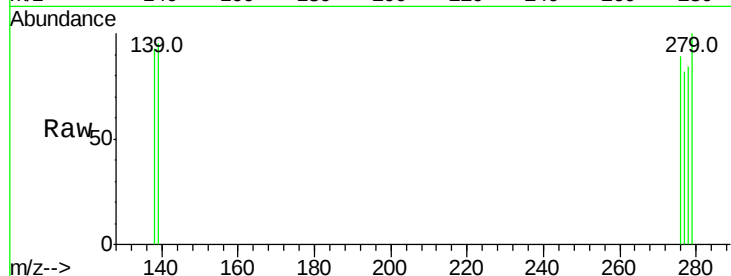
Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

Instrument :

BNA_E

ClientSampleId :



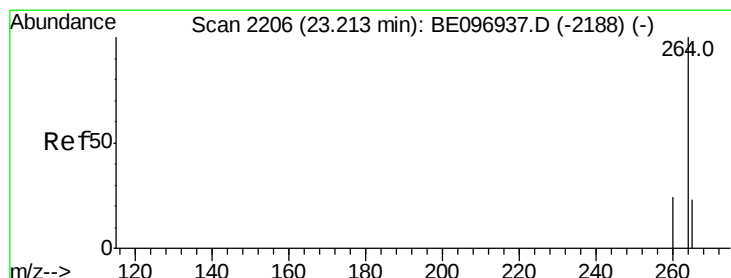
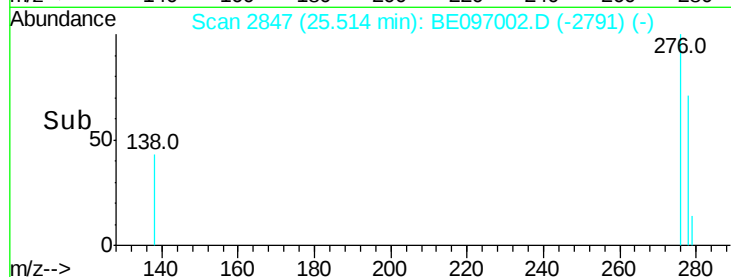
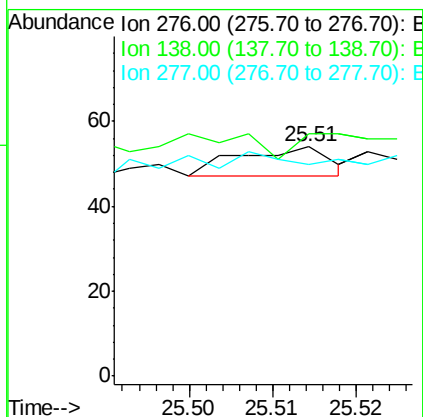
Tot Ion:276 Resp: 5

Ion Ratio Lower Upper

276 100

138 140.0 22.5 33.7#

277 40.0 19.9 29.9#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.22 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

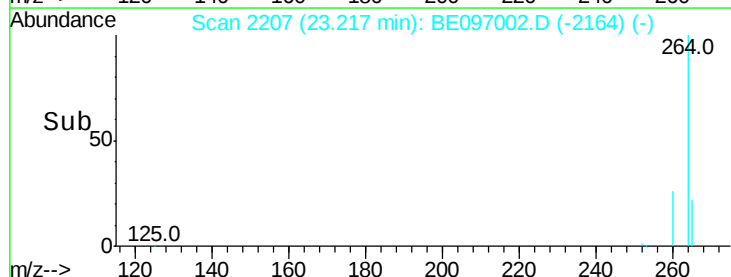
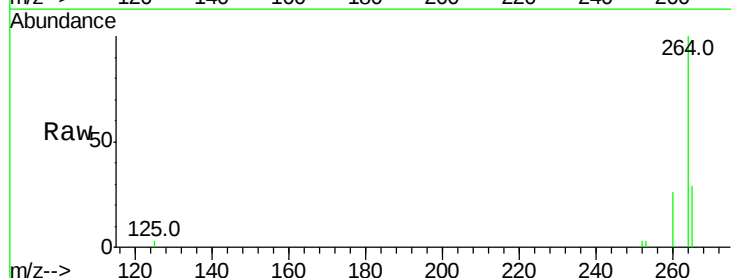
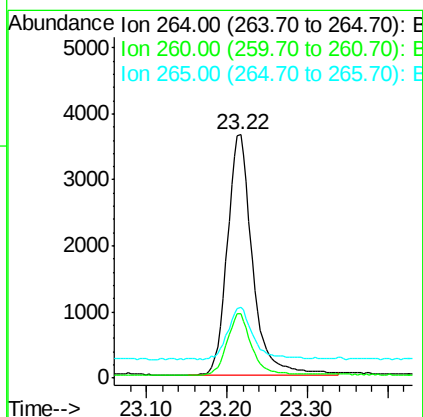
Tgt Ion:264 Resp: 7876

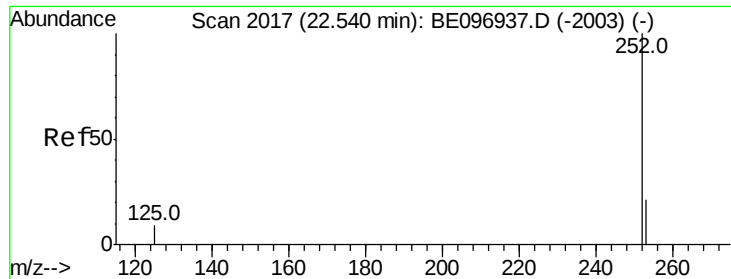
Ion Ratio Lower Upper

264 100

260 26.5 20.5 30.7

265 29.2 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.004 ng

RT: 22.54 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

Instrument :

BNA_E

ClientSampleId :

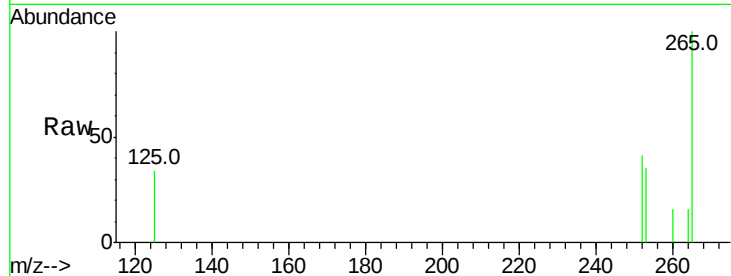
Tot Ion:252 Resp: 85

Ion Ratio Lower Upper

252 100

253 83.6 20.0 30.0#

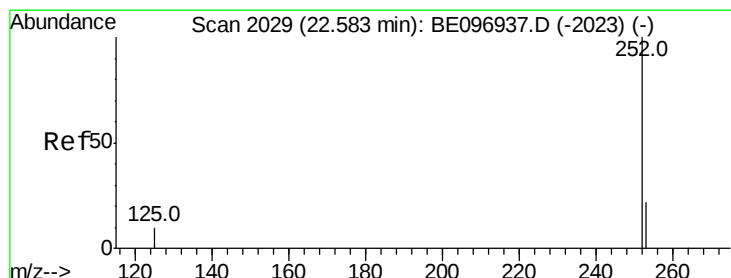
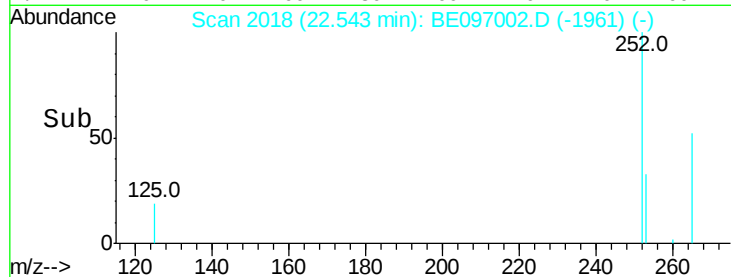
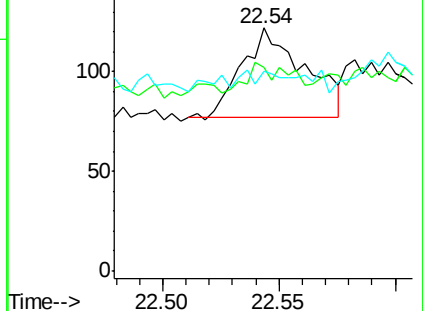
125 82.0 16.0 24.0#



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: 0.000 ng

RT: 22.58 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

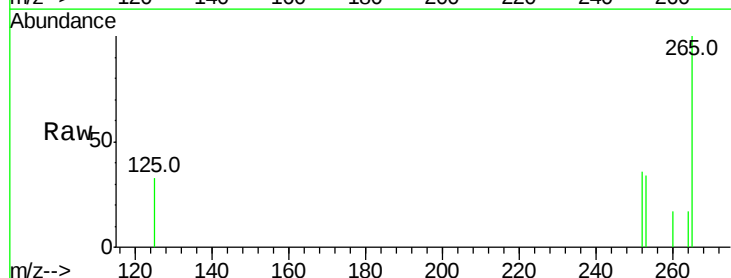
Tgt Ion:252 Resp: 6

Ion Ratio Lower Upper

252 100

253 94.3 16.0 24.0#

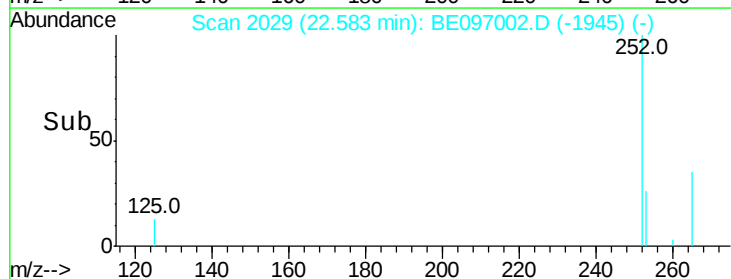
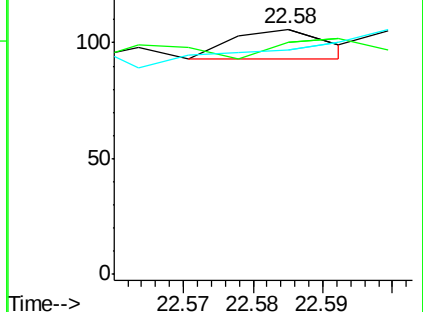
125 91.5 8.0 12.0#



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: 0.101 ng

RT: 23.12 min Scan# 2179

Delta R.T. 0.00 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

Instrument :

BNA_E

ClientSampleId :

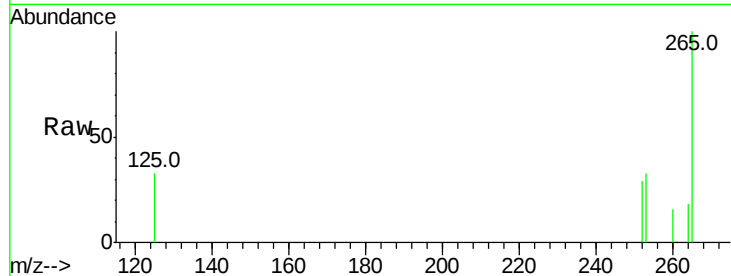
Tot Ion:252 Resp: 4

Ion Ratio Lower Upper

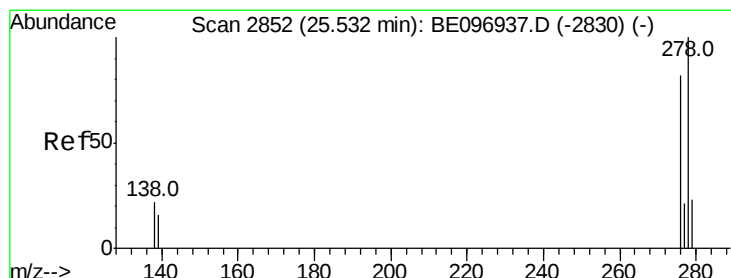
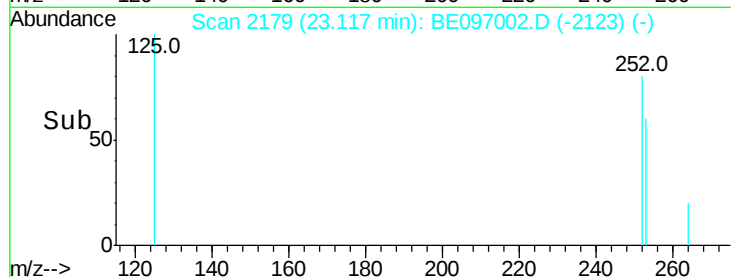
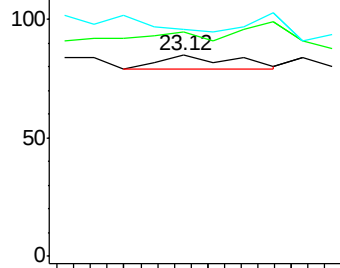
252 100

253 111.8 16.0 24.0#

125 112.9 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: 0.118 ng

RT: 25.53 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

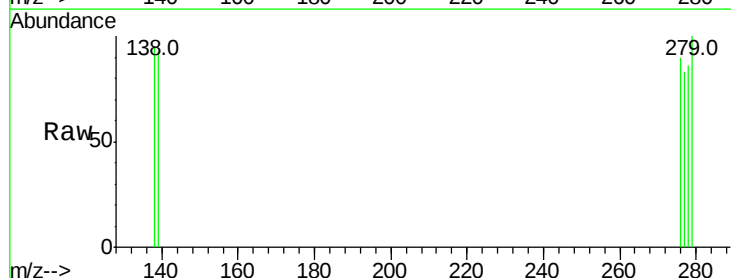
Tgt Ion:278 Resp: 1

Ion Ratio Lower Upper

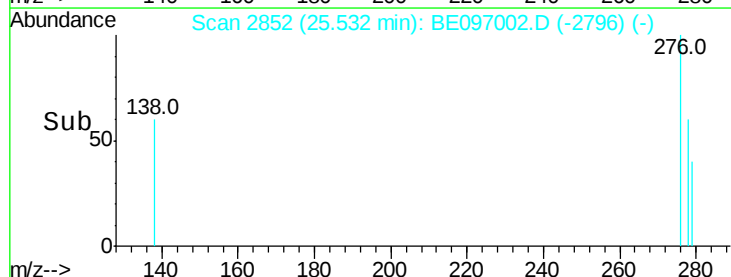
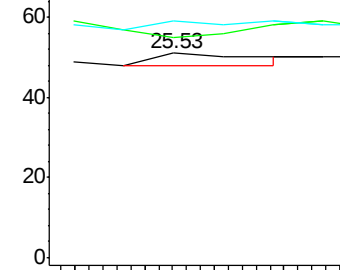
278 100

139 107.8 16.0 24.0#

279 115.7 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: 0.000 ng

RT: 26.21 min Scan# 3042

Delta R.T. -0.00 min

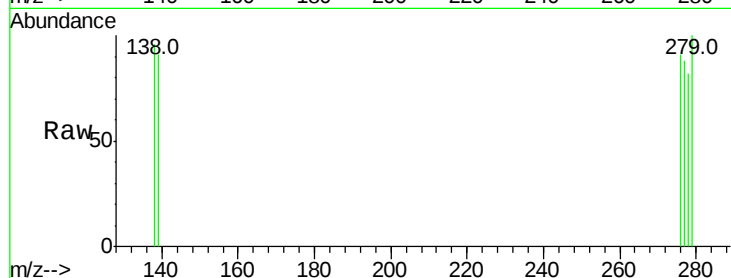
Lab File: BE097002.D

Acq: 19 Jul 2018 13:21

Instrument :

BNA_E

ClientSampleId :



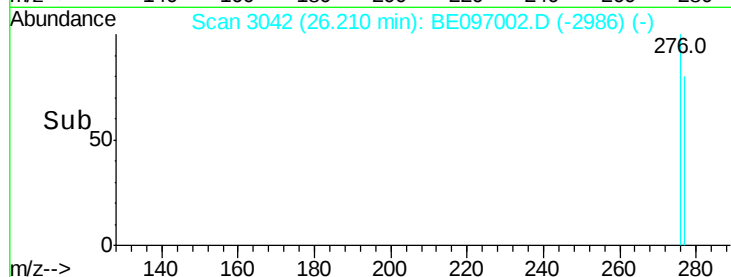
Tot Ion: 276 Resp: 5

Ion Ratio Lower Upper

276 100

277 96.2 16.0 24.0#

138 105.8 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

