

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091718\
 Data File : BE097512.D
 Acq On : 18 Sep 2018 1:15
 Operator : SJ/JU
 Sample : J4741-35
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 AOC3-01-D

Quant Time: Sep 18 05:53:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 17 18:57:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	959	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4485	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2636	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	7463	0.40	ng	-0.01
27) Chrysene-d12	20.97	240	9014	0.40	ng	0.00
34) Perylene-d12	23.20	264	9107	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	730	0.22	ng	0.00
5) Phenol-d6	6.61	99	536	0.13	ng	0.00
8) Nitrobenzene-d5	8.52	82	1652	0.46	ng	-0.01
11) 2-Methylnaphthalene-d10	11.71	152	3090	0.48	ng	0.00
14) 2,4,6-Tribromophenol	15.51	330	680	0.49	ng	-0.02
15) 2-Fluorobiphenyl	12.62	172	5121	0.56	ng	0.00
25) Fluoranthene-d10	18.80	212	46530	0.52	ng	0.00
29) Terphenyl-d14	19.41	244	9272	0.54	ng	0.00

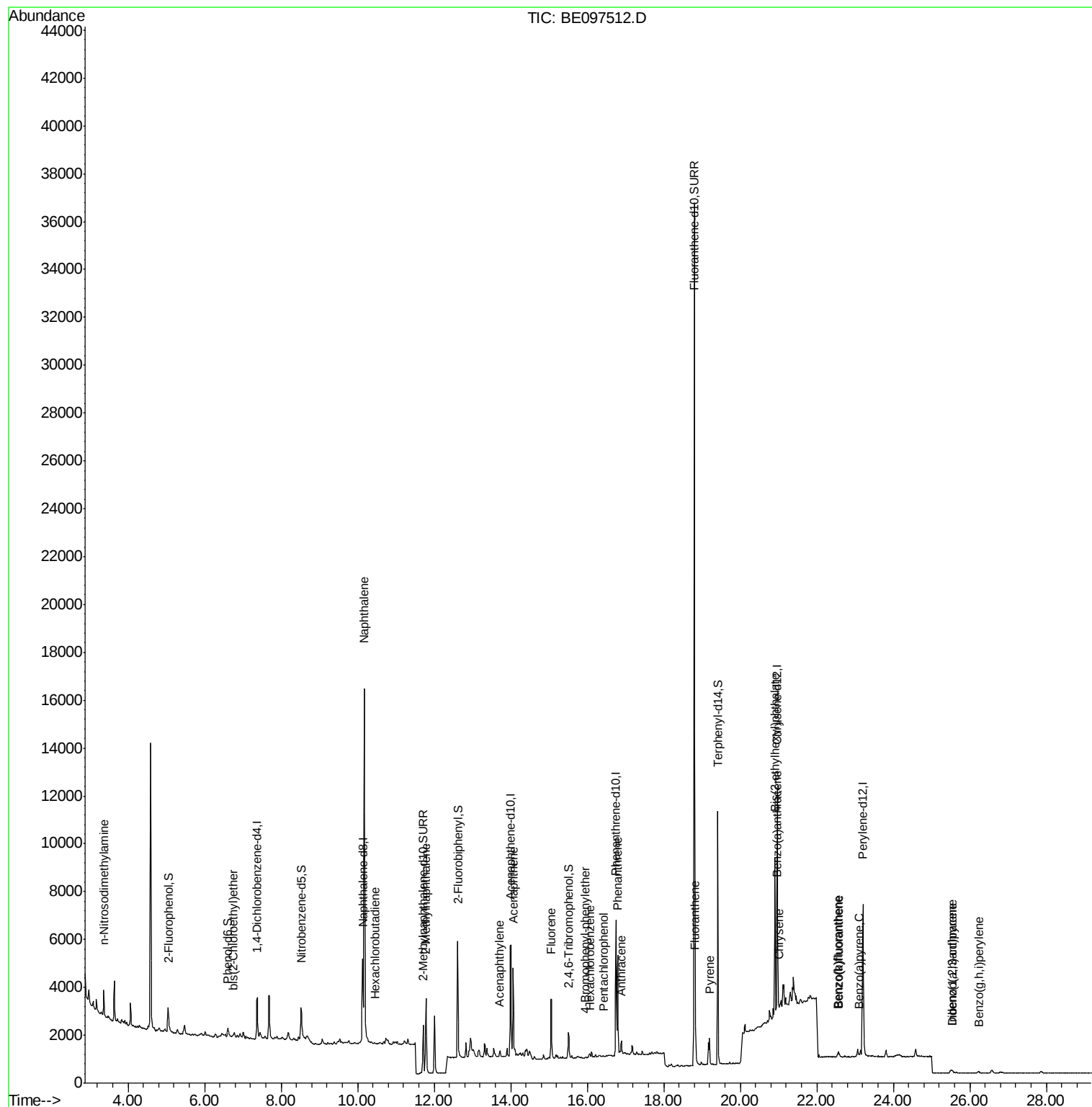
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.36	42	101	0.073	ng	# 1
6) bis(2-Chloroethyl)ether	6.74	93	198	0.060	ng	# 1
9) Naphthalene	10.17	128	25691	0.631	ng	100
10) Hexachlorobutadiene	10.46	225	11	0.006	ng	# 82
12) 2-Methylnaphthalene	11.79	142	2605	0.400	ng	100
16) Acenaphthylene	13.72	152	152	0.013	ng	# 74
17) Acenaphthene	14.06	154	1803	0.255	ng	97
18) Fluorene	15.06	166	2179	0.241	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	6	0.002	ng	# 43
21) Hexachlorobenzene	16.08	284	8	0.002	ng	# 26
22) Pentachlorophenol	16.43	266	11	0.063	ng	95
23) Phenanthrene	16.80	178	4764	0.271	ng	99
24) Anthracene	16.89	178	640	0.039	ng	96
26) Fluoranthene	18.83	202	1226	0.054	ng	95
28) Pyrene	19.19	202	985	0.042	ng	# 93
30) Benzo(a)anthracene	20.96	228	236	0.010	ng	# 51
31) Chrysene	21.00	228	200	0.008	ng	# 44
32) Bis(2-ethylhexyl)phthalate	20.91	149	8460	0.168	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.53	276	134	0.005	ng	# 61
35) Benzo(b)fluoranthene	22.54	252	167	0.007	ng	# 1
36) Benzo(k)fluoranthene	22.59	252	154	0.006	ng	# 1
37) Benzo(a)pyrene	23.11	252	153	0.007	ng	# 1
38) Dibenzo(a,h)anthracene	25.54	278	99	0.004	ng	# 1
39) Benzo(g,h,i)perylene	26.23	276	128	0.005	ng	# 1

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

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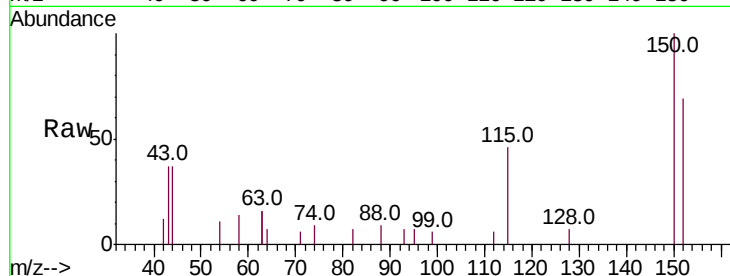


#1

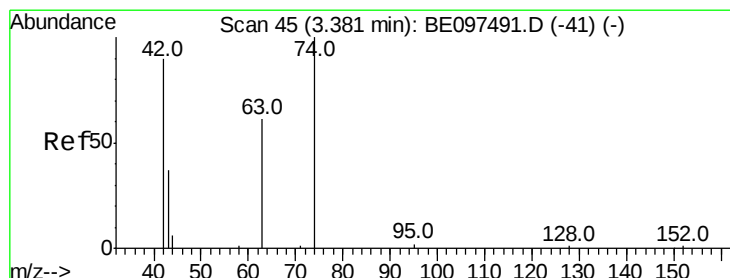
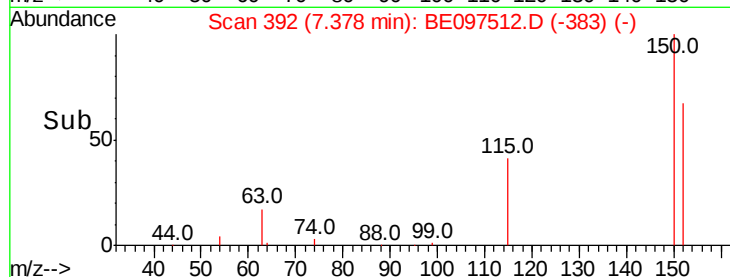
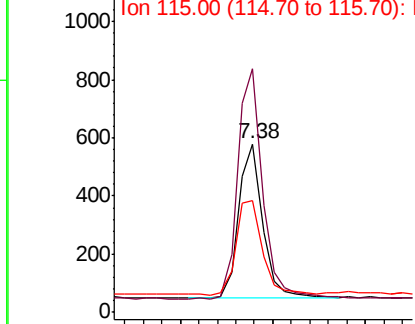
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. 0.00 min
Lab File: BE097512.D
Acq: 18 Sep 2018 1:15

Instrument :
BNA_E
ClientSampleId :
AOC3-01-D

Tot Ion:152 Resp: 959
Ion Ratio Lower Upper
152 100
150 144.8 117.2 175.8
115 66.4 57.0 85.6



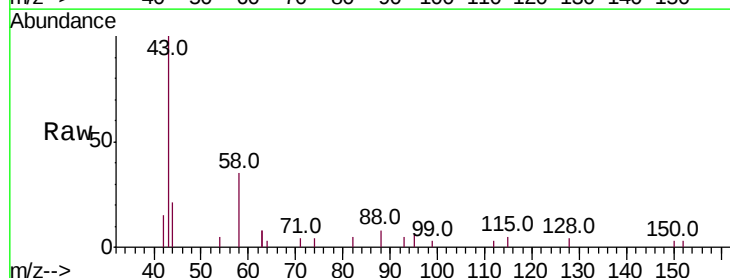
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



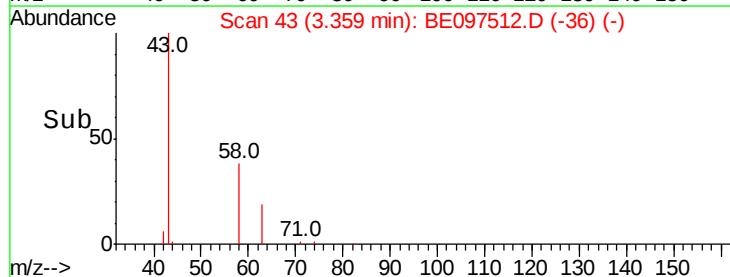
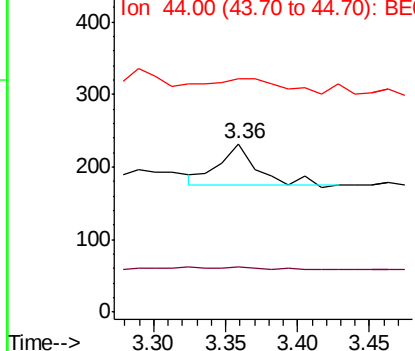
#3

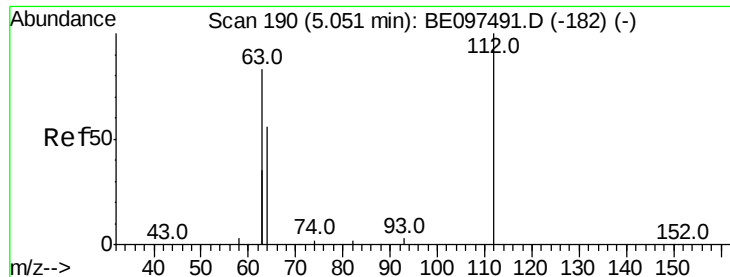
n-Nitrosodimethylamine
Concen: 0.073 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.02 min
Lab File: BE097512.D
Acq: 18 Sep 2018 1:15

Tgt Ion: 42 Resp: 101
Ion Ratio Lower Upper
42 100
74 0.0 96.0 144.0#
44 67.3 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: 0.225 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

Instrument :

BNA_E

ClientSampleId :

AOC3-01-D

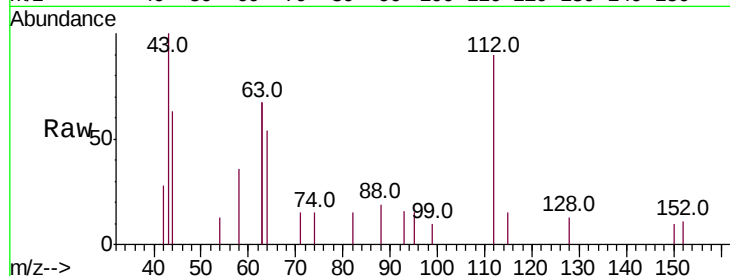
Tot Ion:112 Resp: 730

Ion Ratio Lower Upper

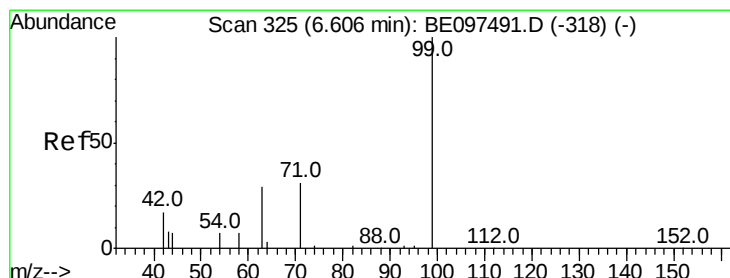
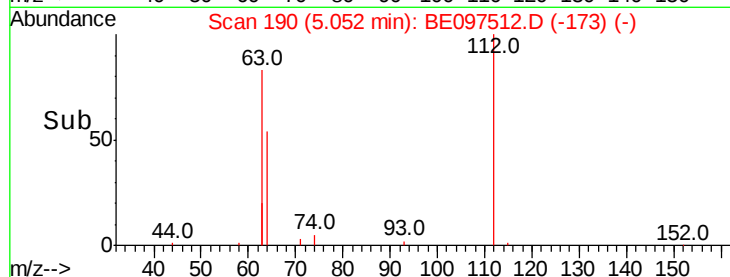
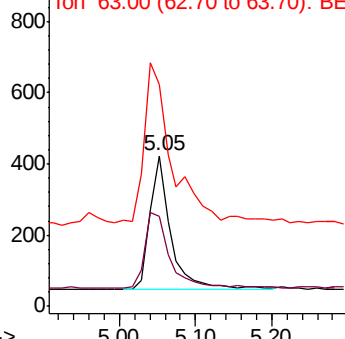
112 100

64 67.0 60.1 90.1

63 158.2 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0



#5

Phenol-d6

Concen: 0.130 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.00 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

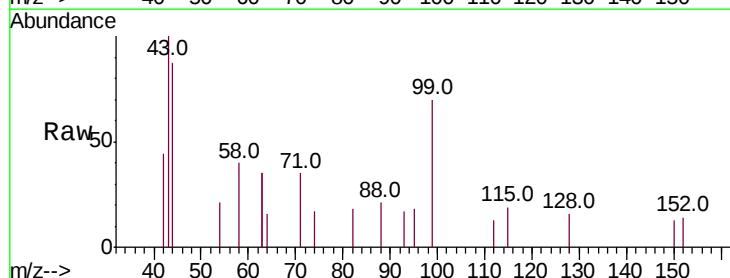
Tgt Ion: 99 Resp: 536

Ion Ratio Lower Upper

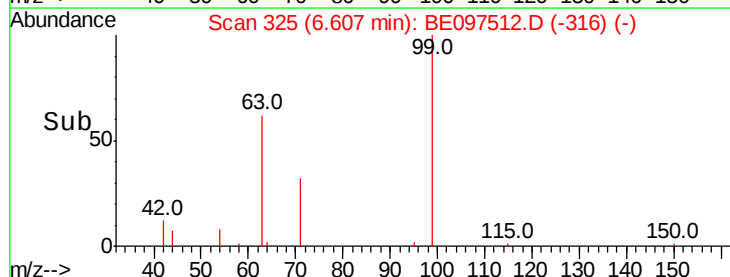
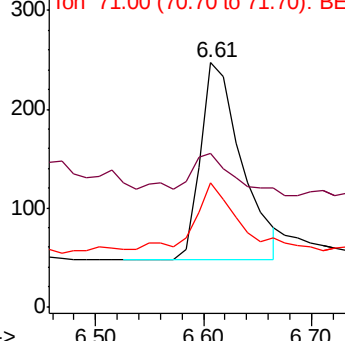
99 100

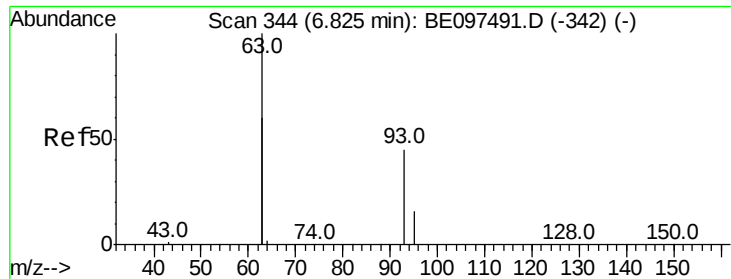
42 14.4 20.2 30.2#

71 30.6 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.060 ng

RT: 6.74 min Scan# 337

Delta R.T. -0.08 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

Instrument :

BNA_E

ClientSampleId :

AOC3-01-D

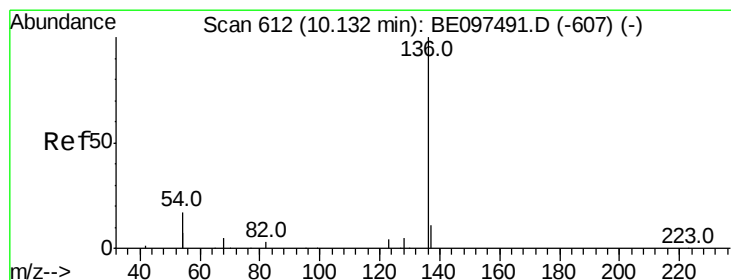
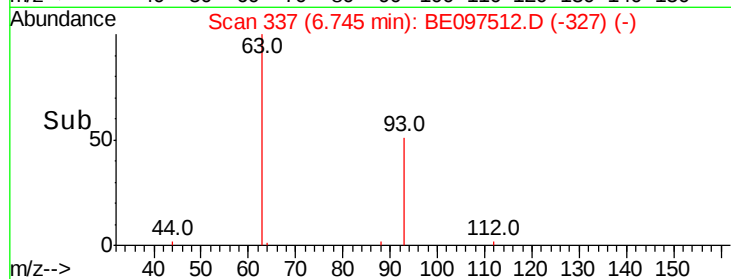
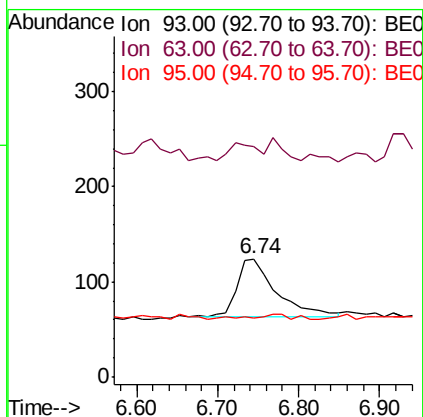
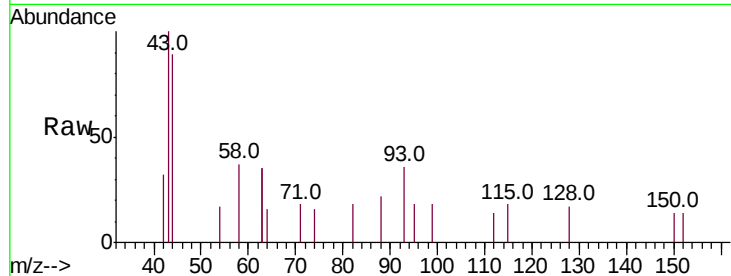
Tot Ion: 93 Resp: 198

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: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

Tgt Ion: 136 Resp: 4485

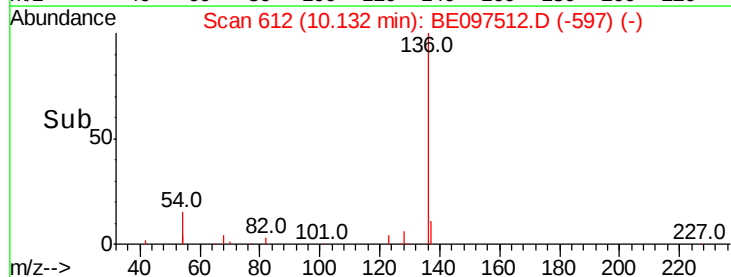
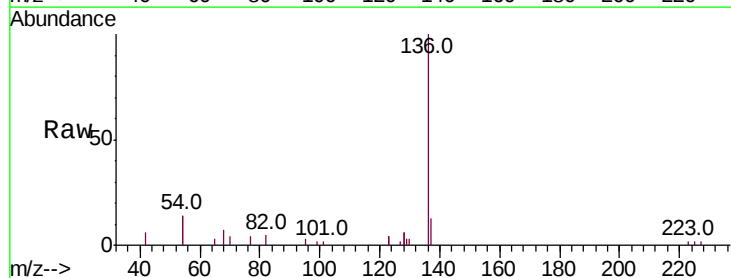
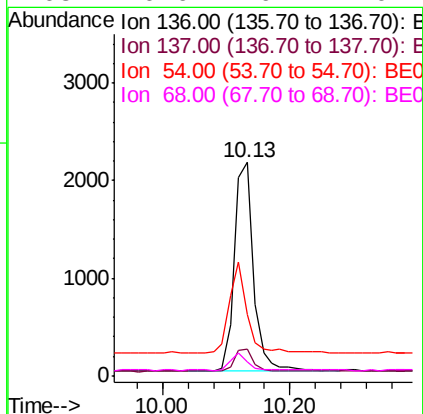
Ion Ratio Lower Upper

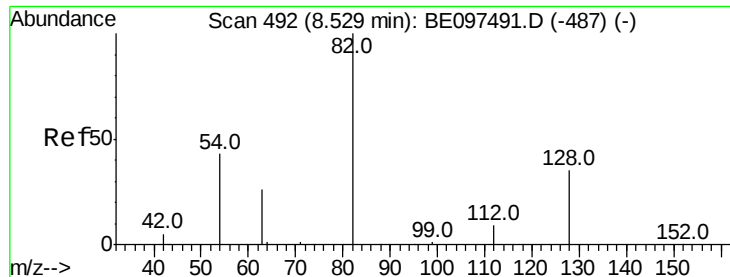
136 100

137 12.7 9.5 14.3

54 28.7 29.1 43.7#

68 6.6 6.2 9.2





#8

Nitrobenzene-d5

Concen: 0.458 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.01 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

Instrument :

BNA_E

ClientSampleId :

AOC3-01-D

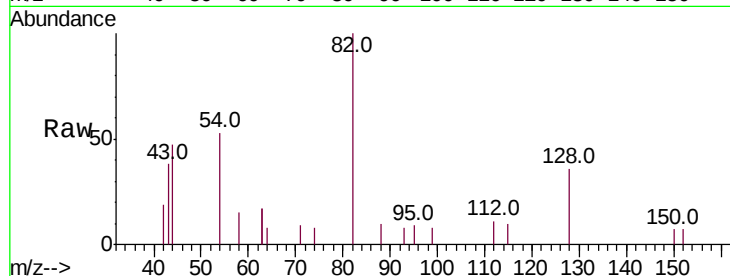
Tot Ion: 82 Resp: 1652

Ion Ratio Lower Upper

82 100

128 35.7 24.0 36.0

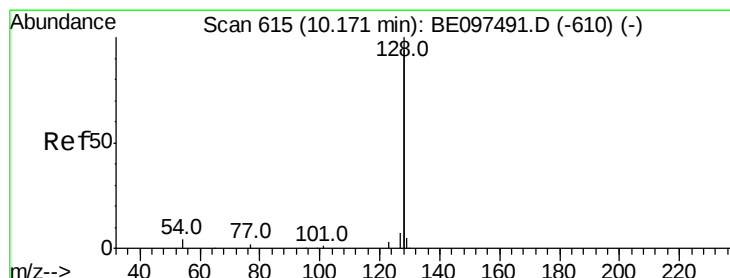
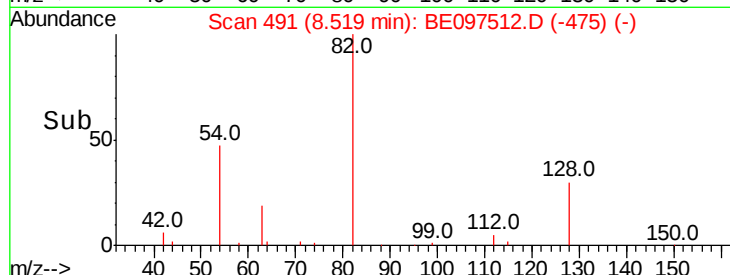
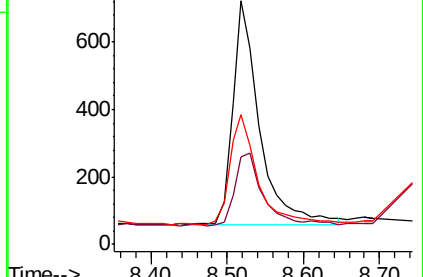
54 53.3 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.631 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

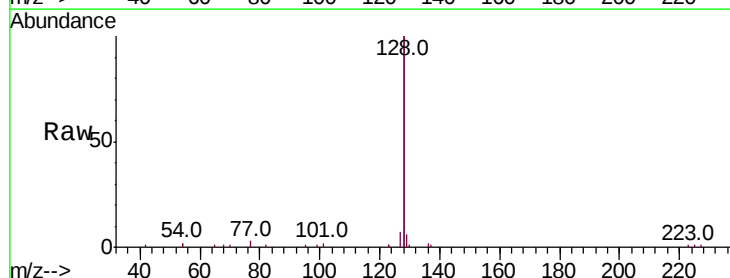
Tgt Ion: 128 Resp: 25691

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

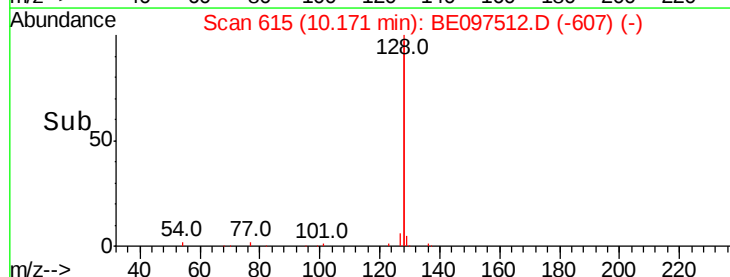
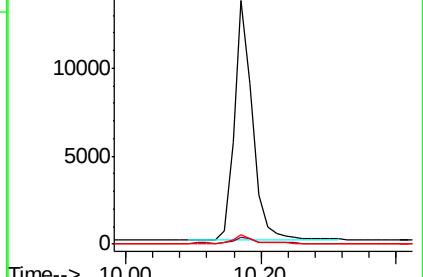
127 3.6 2.8 4.2

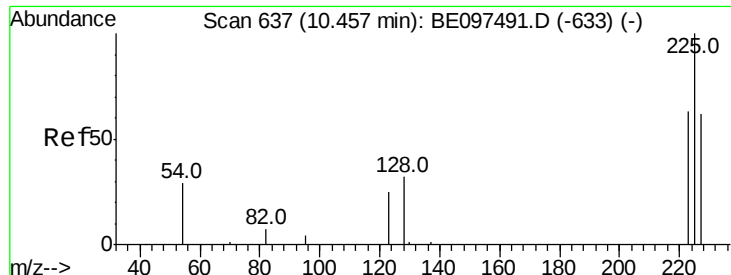


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

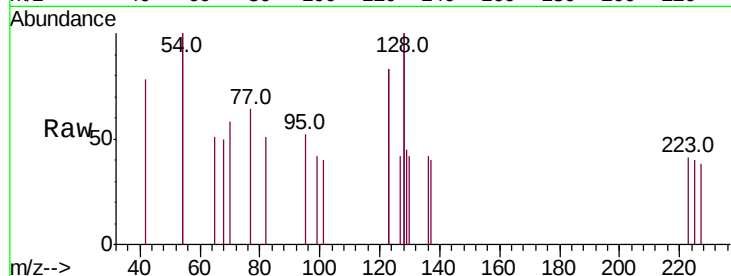




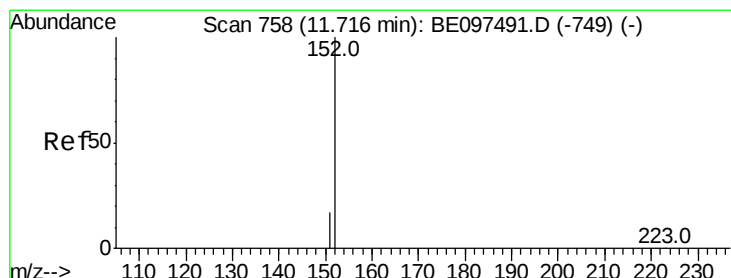
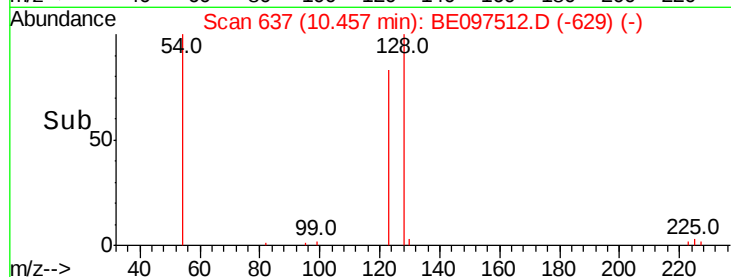
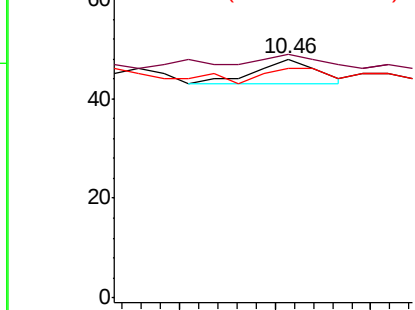
#10
Hexachlorobutadiene
Concen: 0.006 ng
RT: 10.46 min Scan# 637
Delta R.T. -0.00 min
Lab File: BE097512.D
Acq: 18 Sep 2018 1:15

Instrument :
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Tot Ion:225 Resp: 11
Ion Ratio Lower Upper
225 100
223 54.5 53.0 79.6
227 81.8 51.4 77.2#

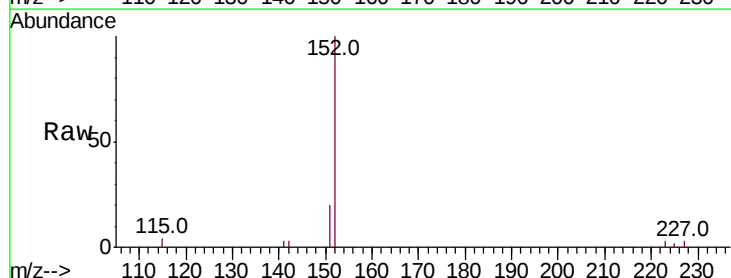


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

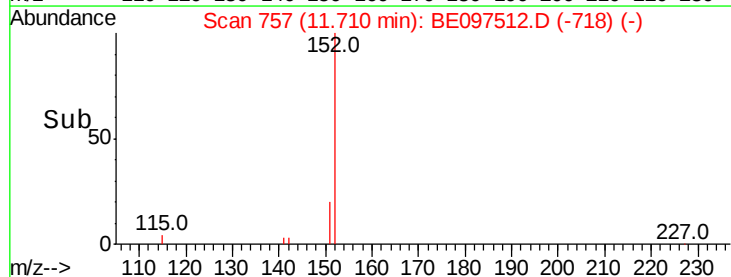
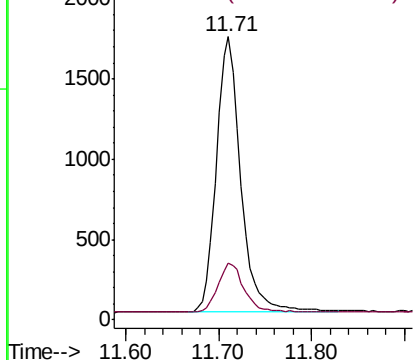


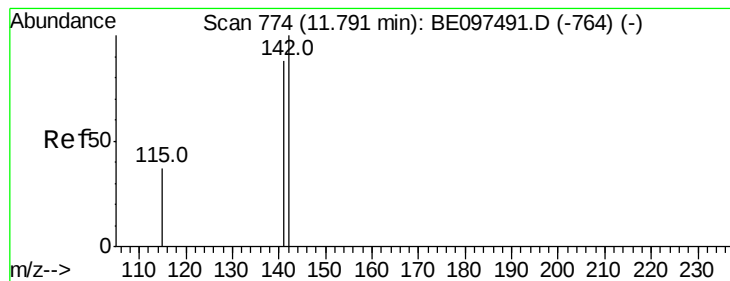
#11
2-Methylnaphthalene-d10
Concen: 0.482 ng
RT: 11.71 min Scan# 757
Delta R.T. -0.01 min
Lab File: BE097512.D
Acq: 18 Sep 2018 1:15

Tgt Ion:152 Resp: 3090
Ion Ratio Lower Upper
152 100
151 19.1 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: 0.400 ng

RT: 11.79 min Scan# 773

Delta R.T. -0.01 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

Instrument :

BNA_E

ClientSampleId :

AOC3-01-D

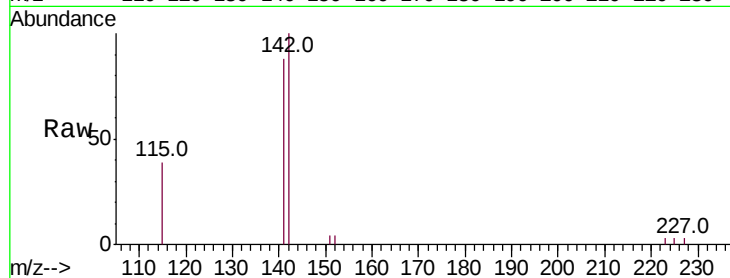
Tot Ion:142 Resp: 2605

Ion Ratio Lower Upper

142 100

141 88.0 70.4 105.6

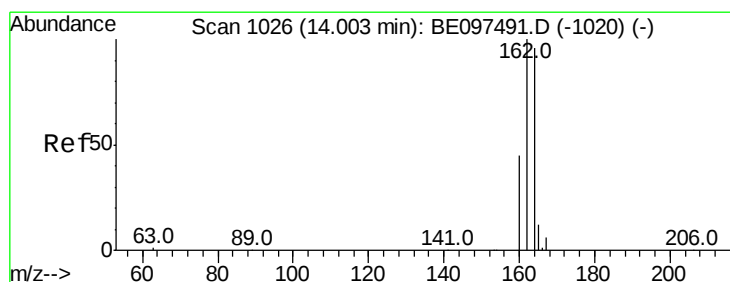
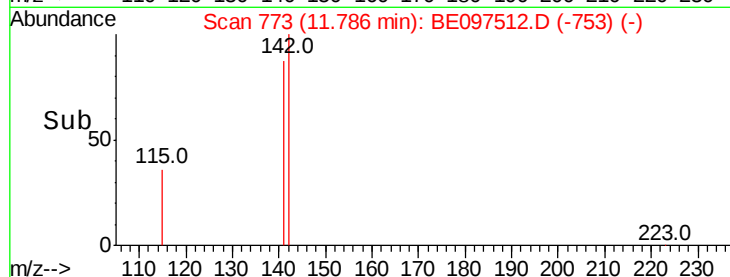
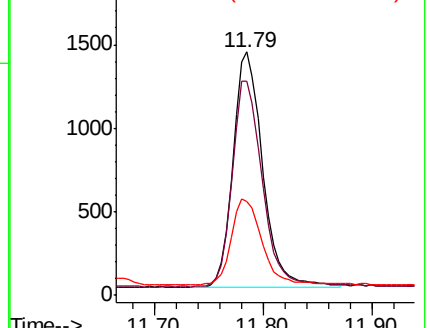
115 38.7 31.7 47.5



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: 14.00 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

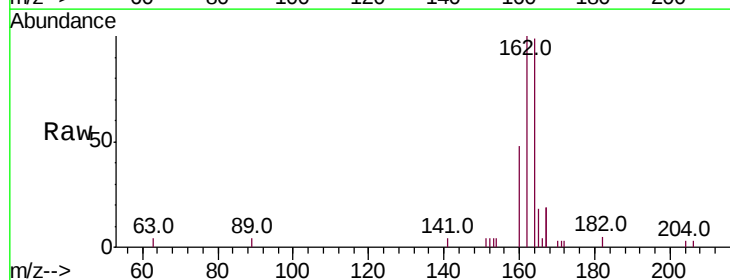
Tgt Ion:164 Resp: 2636

Ion Ratio Lower Upper

164 100

162 101.4 83.1 124.7

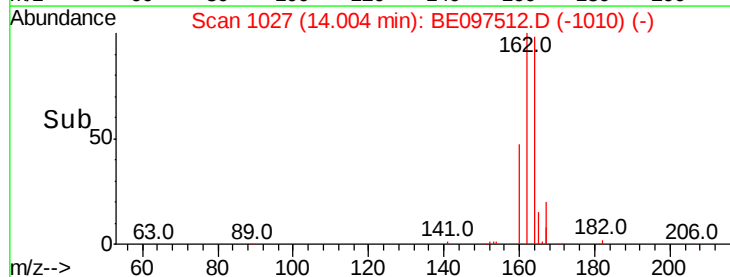
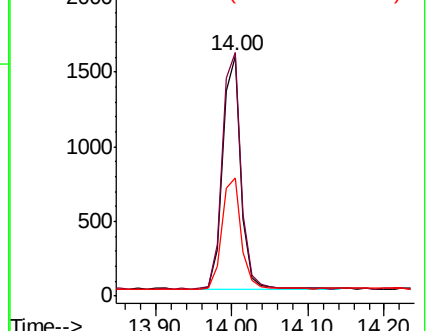
160 49.1 37.1 55.7

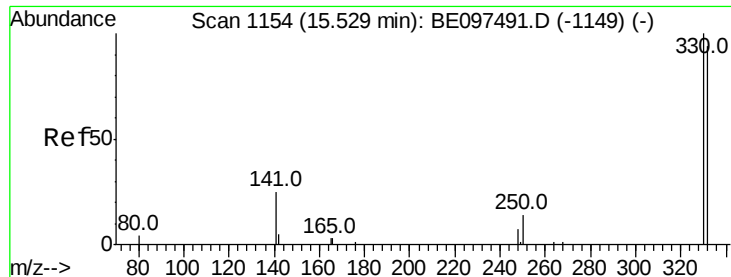


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

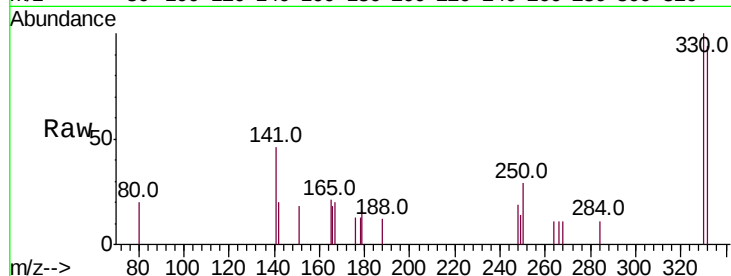




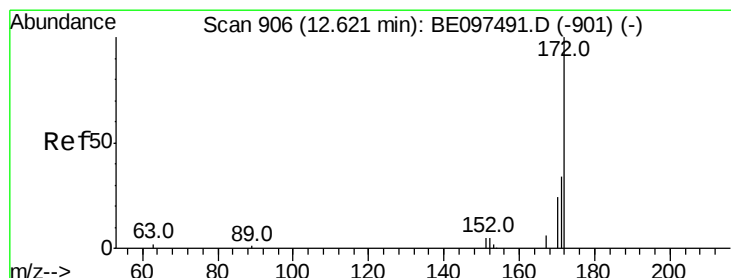
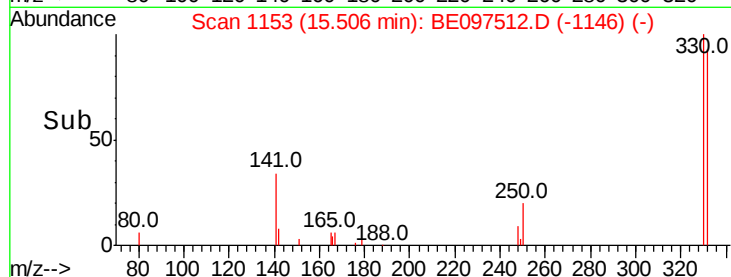
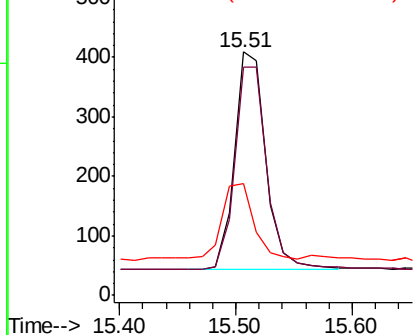
#14
 2,4,6-Tribromophenol
 Concen: 0.488 ng
 RT: 15.51 min Scan# 1153
 Delta R.T. -0.02 min
 Lab File: BE097512.D
 Acq: 18 Sep 2018 1:15

Instrument :
 BNA_E
 ClientSampled :
 AOC3-01-D

Tot Ion:330 Resp: 680
 Ion Ratio Lower Upper
 330 100
 332 96.9 152.7 229.1#
 141 34.1 33.7 50.5

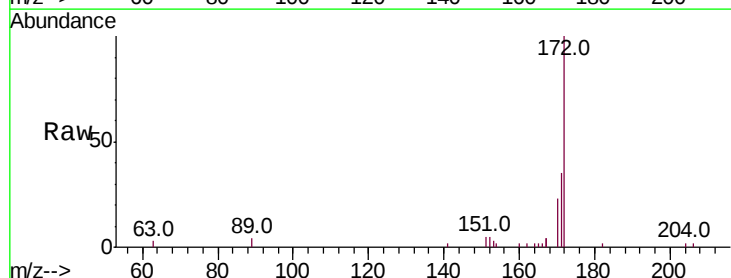


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

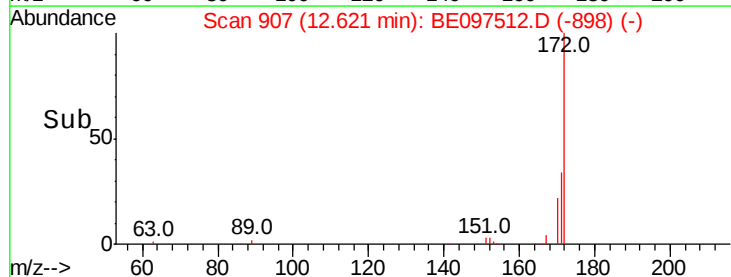
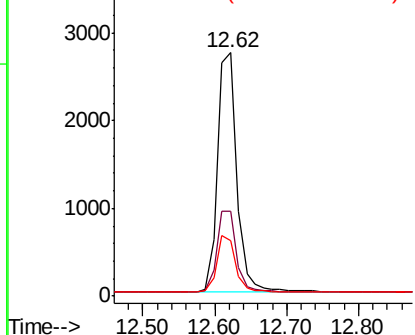


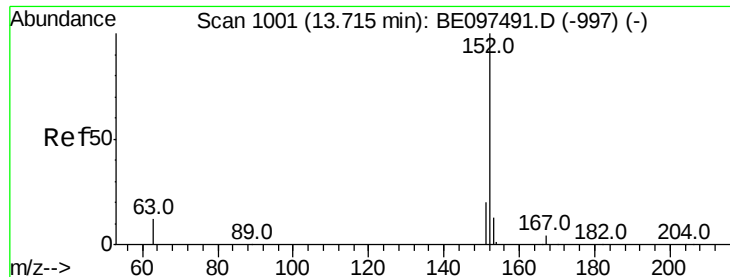
#15
 2-Fluorobiphenyl
 Concen: 0.556 ng
 RT: 12.62 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: BE097512.D
 Acq: 18 Sep 2018 1:15

Tgt Ion:172 Resp: 5121
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.9 44.9
 170 22.9 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: 0.013 ng

RT: 13.72 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

Instrument :

BNA_E

ClientSampleId :

AOC3-01-D

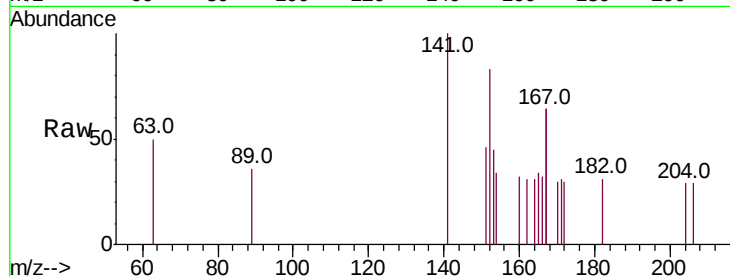
Tot Ion:152 Resp: 152

Ion Ratio Lower Upper

152 100

151 25.0 15.7 23.5#

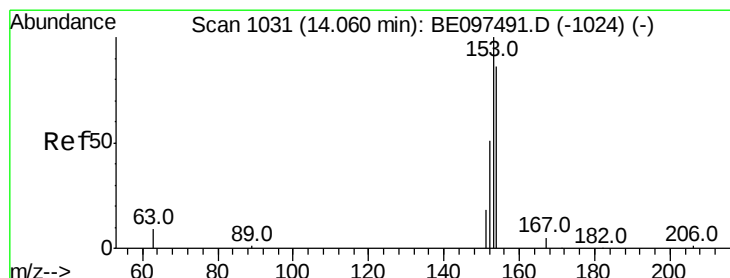
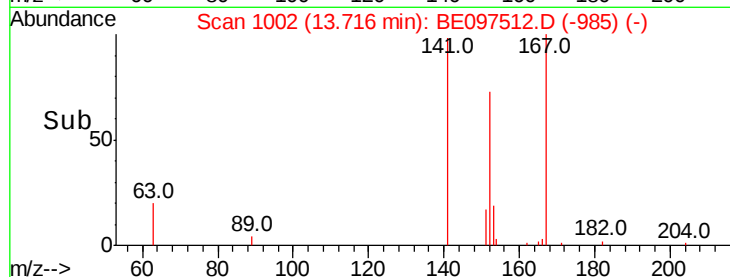
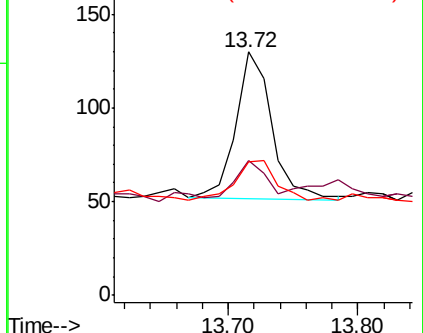
153 32.2 10.5 15.7#



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: 0.255 ng

RT: 14.06 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

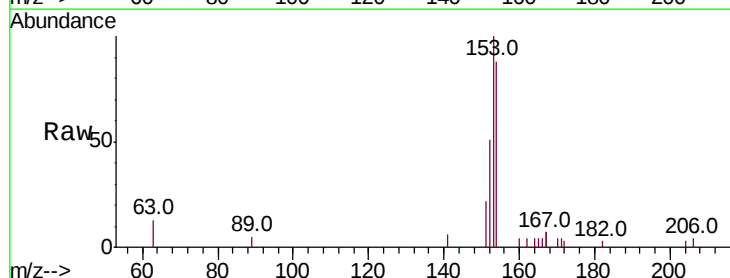
Tgt Ion:154 Resp: 1803

Ion Ratio Lower Upper

154 100

153 113.4 89.2 133.8

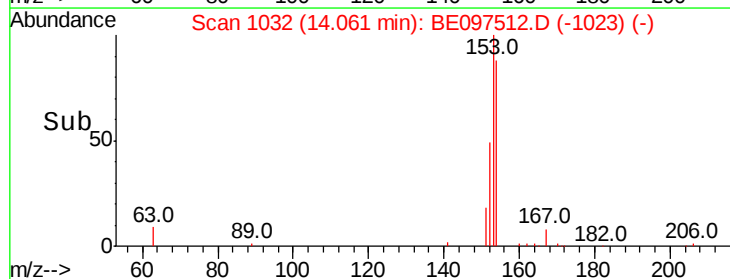
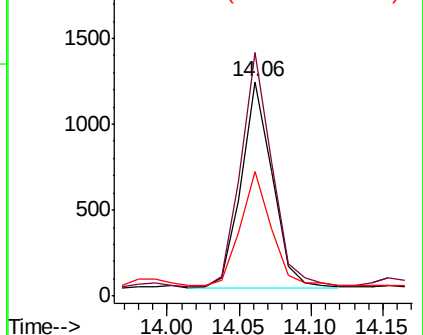
152 55.5 42.0 63.0

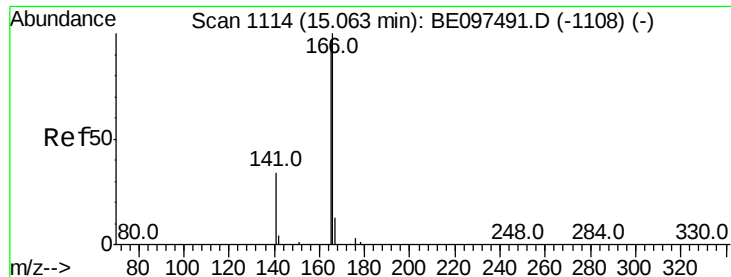


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.241 ng

RT: 15.06 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

Instrument :

BNA_E

ClientSampleId :

AOC3-01-D

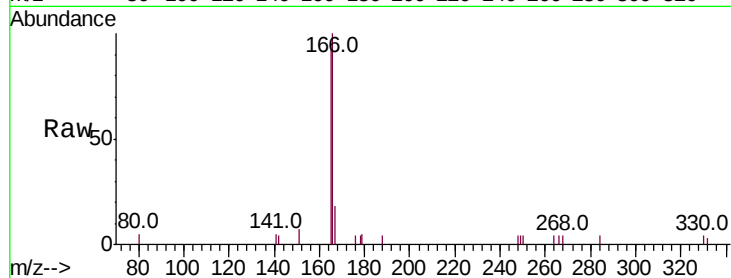
Tot Ion:166 Resp: 2179

Ion Ratio Lower Upper

166 100

165 94.1 77.8 116.6

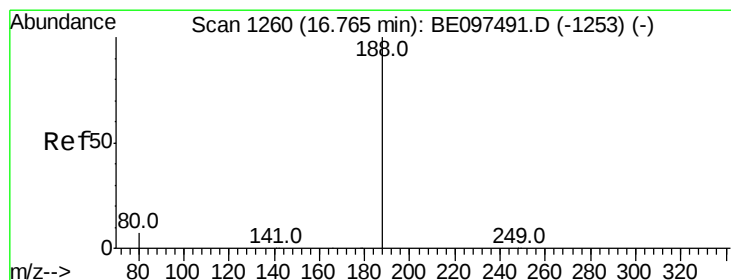
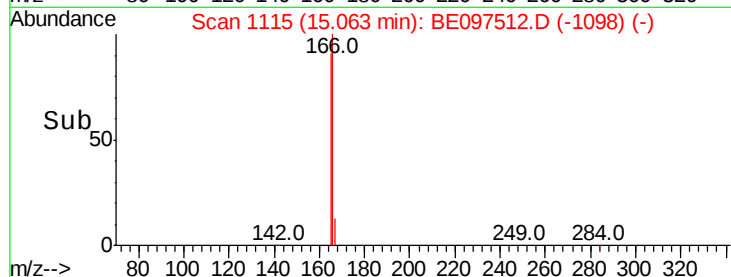
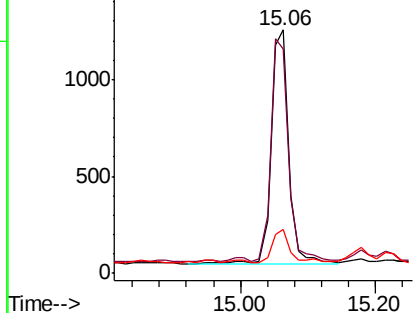
167 14.5 42.4 63.6#



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: 16.75 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

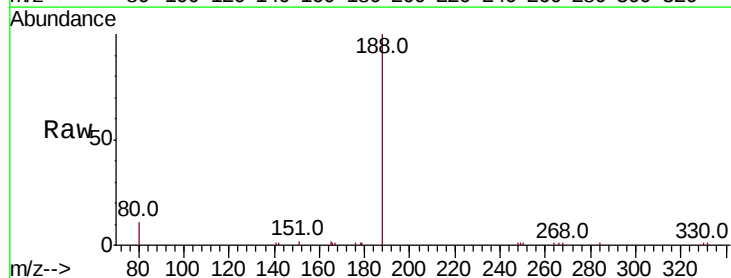
Tgt Ion:188 Resp: 7463

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

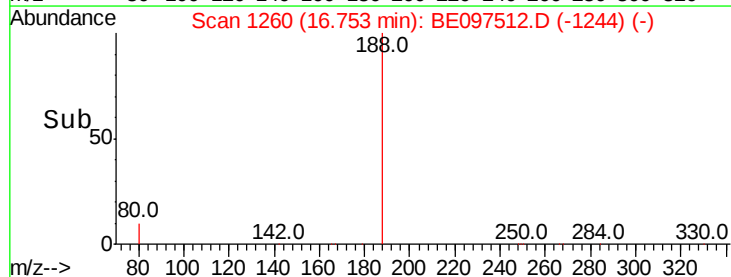
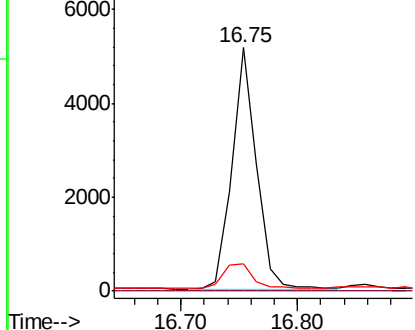
80 11.4 3.6 5.4#

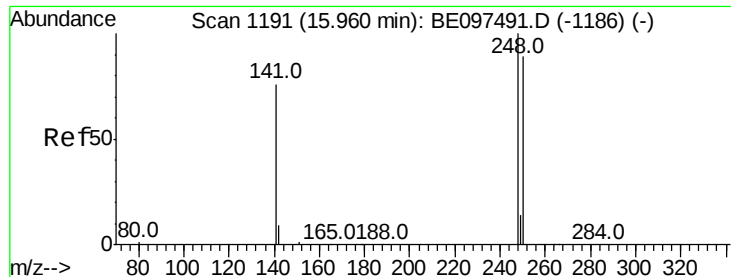


Abundance Ion 188.00 (187.70 to 188.70): E

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: 15.96 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

Instrument :

BNA_E

ClientSampleId :

AOC3-01-D

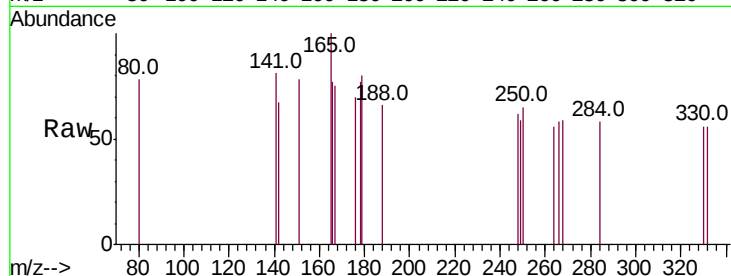
Tot Ion:248 Resp: 6

Ion Ratio Lower Upper

248 100

250 104.1 62.7 94.1#

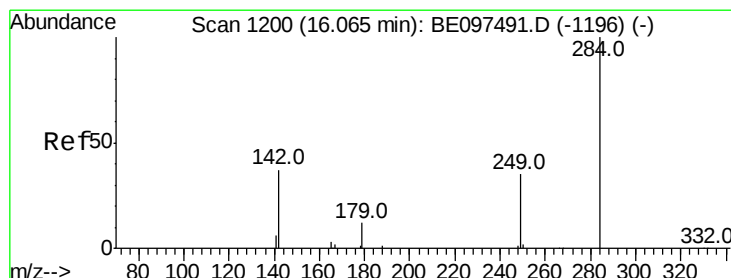
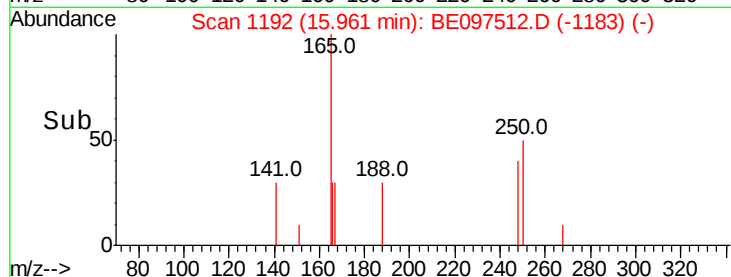
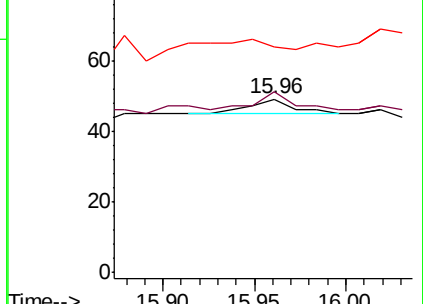
141 130.6 48.2 72.2#



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: 0.002 ng

RT: 16.08 min Scan# 1202

Delta R.T. 0.01 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

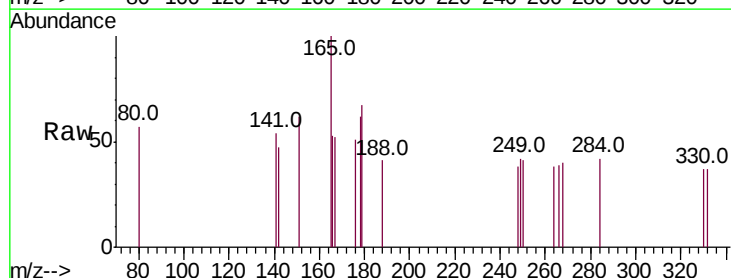
Tgt Ion:284 Resp: 8

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

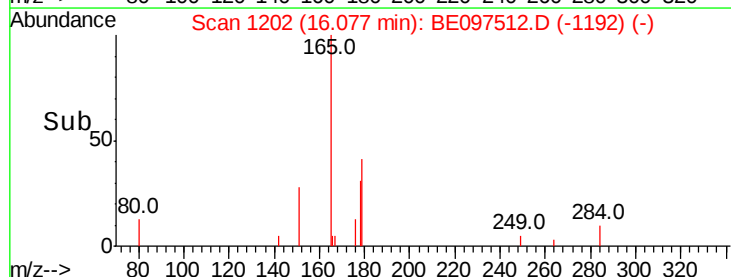
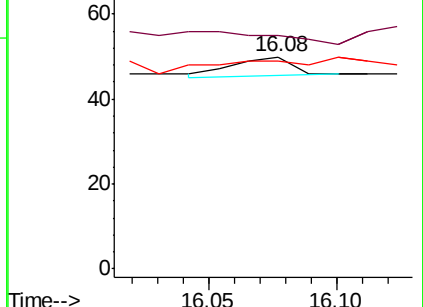
249 100.0 34.8 52.2#

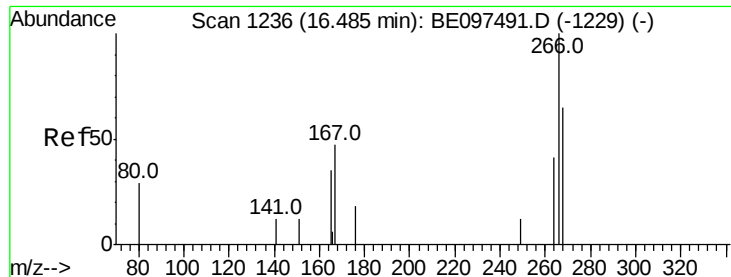


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

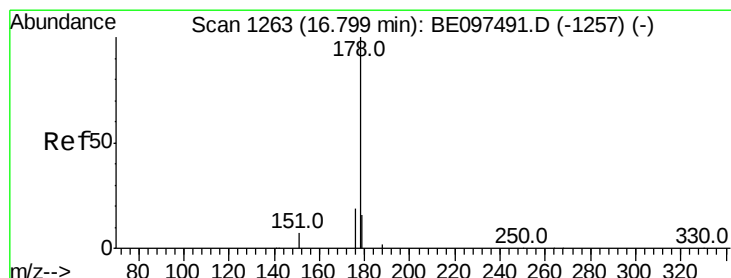
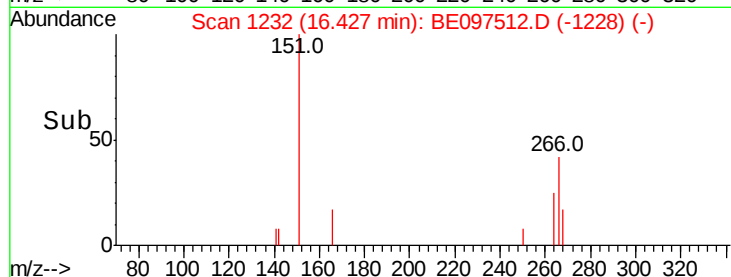
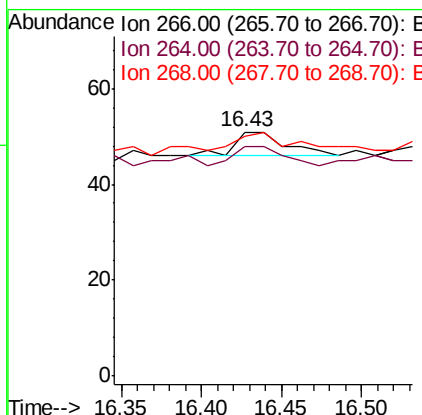
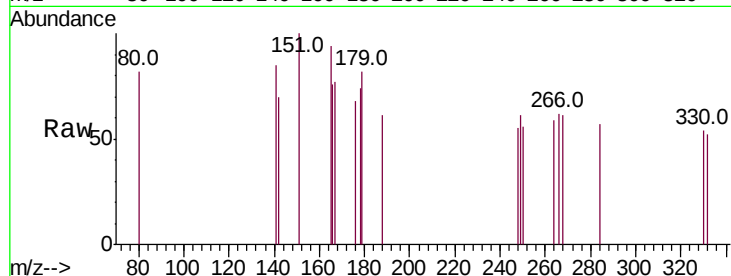




#22
 Pentachlorophenol
 Concen: 0.063 ng
 RT: 16.43 min Scan# 1232
 Delta R.T. -0.06 min
 Lab File: BE097512.D
 Acq: 18 Sep 2018 1:15

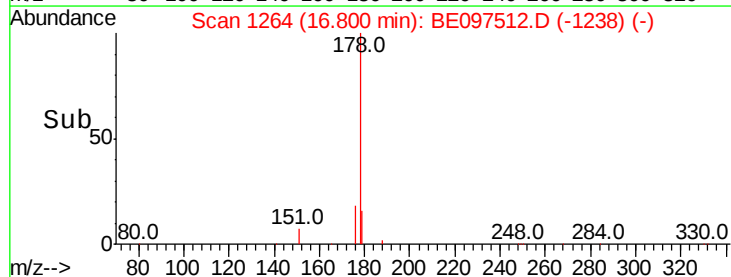
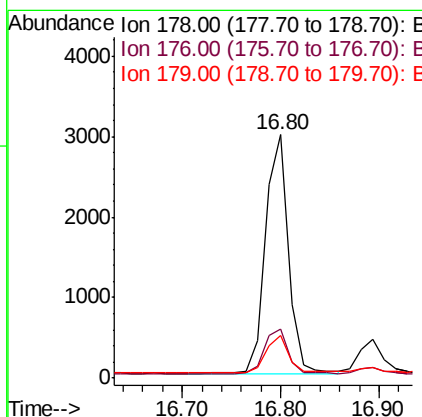
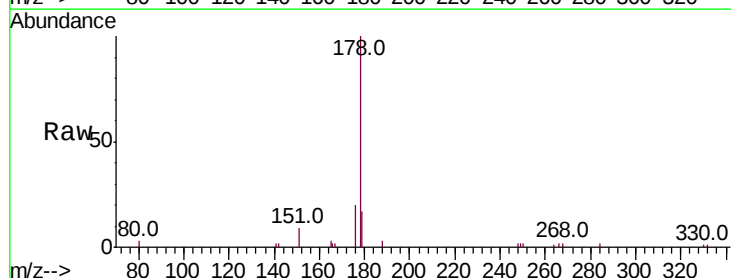
Instrument :
 BNA_E
 ClientSampleId :
 AOC3-01-D

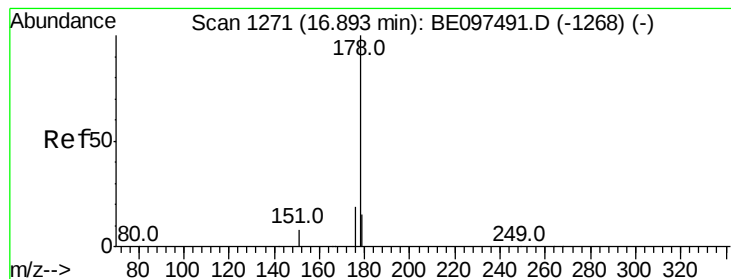
Tot Ion:266 Resp: 11
 Ion Ratio Lower Upper
 266 100
 264 94.1 72.5 108.7
 268 98.0 73.8 110.6



#23
 Phenanthrene
 Concen: 0.271 ng
 RT: 16.80 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: BE097512.D
 Acq: 18 Sep 2018 1:15

Tgt Ion:178 Resp: 4764
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.1 22.7
 179 15.6 11.8 17.6





#24

Anthracene

Concen: 0.039 ng

RT: 16.89 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

Instrument :

BNA_E

ClientSampleID :

AOC3-01-D

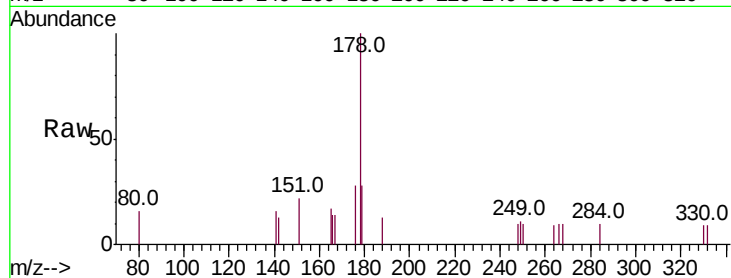
Tot Ion:178 Resp: 640

Ion Ratio Lower Upper

178 100

176 18.8 12.8 19.2

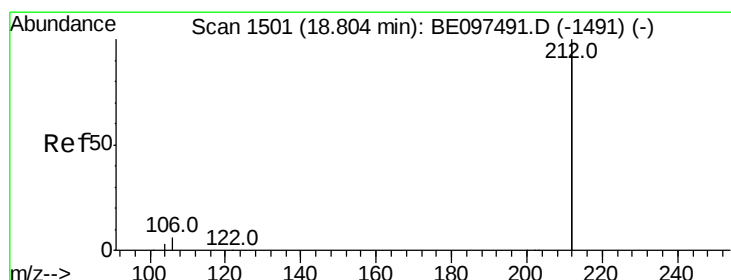
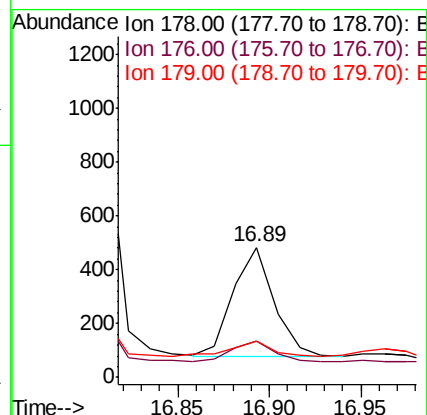
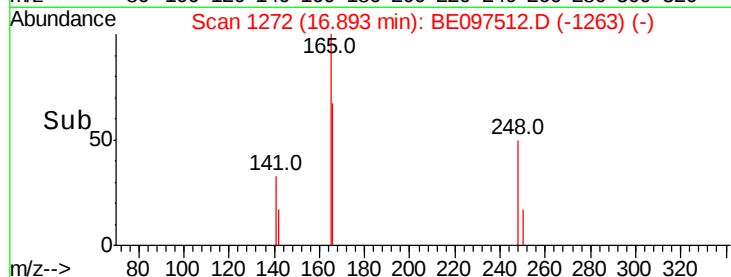
179 15.3 13.0 19.6



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: 0.519 ng

RT: 18.80 min Scan# 1501

Delta R.T. -0.01 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

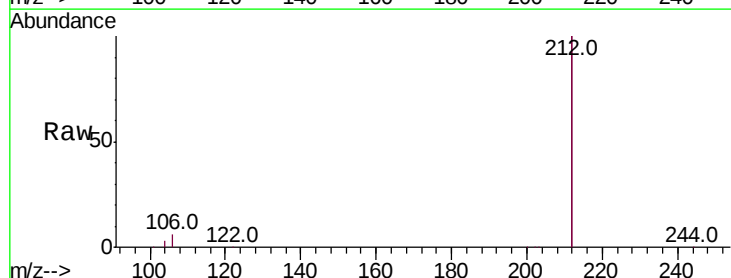
Tgt Ion:212 Resp: 46530

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

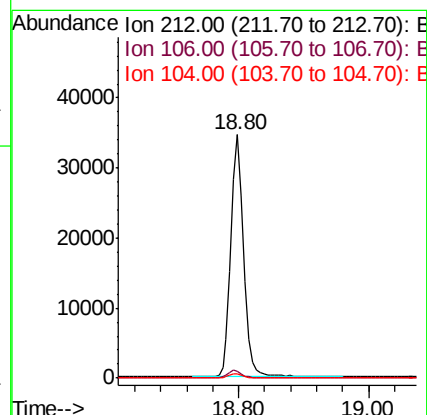
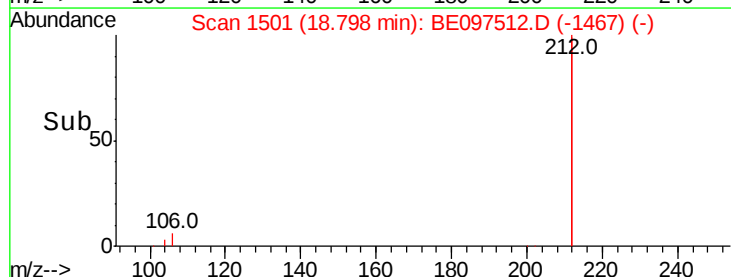
104 1.7 1.6 2.4

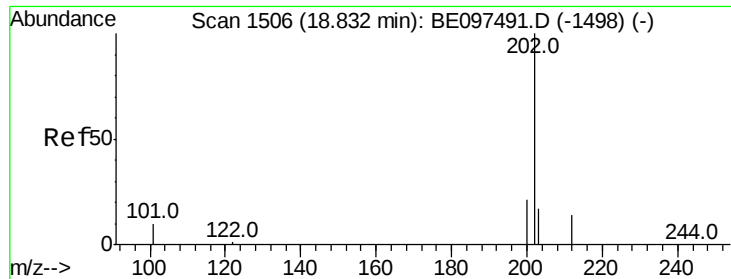


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

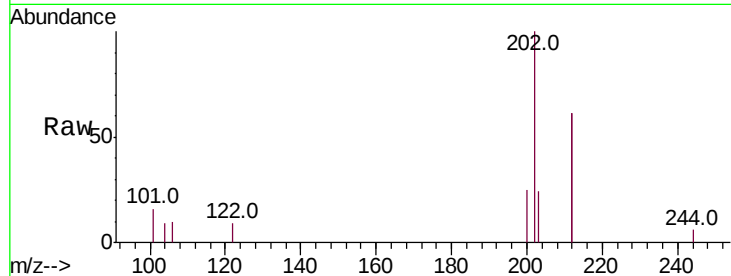




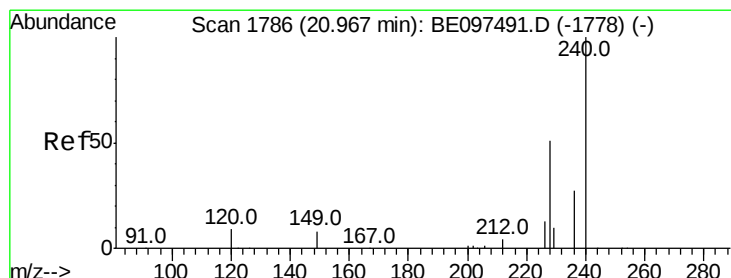
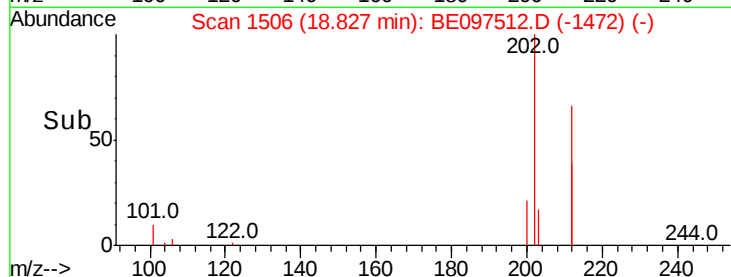
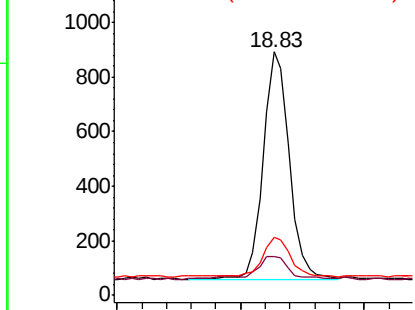
#26
 Fluoranthene
 Concen: 0.054 ng
 RT: 18.83 min Scan# 1506
 Delta R.T. -0.01 min
 Lab File: BE097512.D
 Acq: 18 Sep 2018 1:15

Instrument :
 BNA_E
 ClientSampleId :
 AOC3-01-D

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.4	9.8	14.8
203	19.0	13.7	20.5

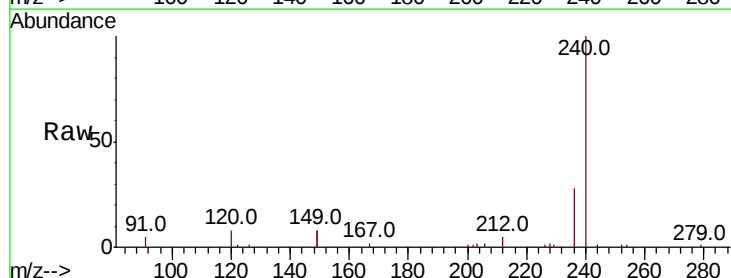


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

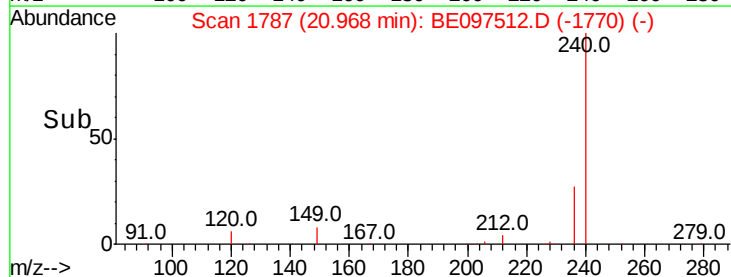
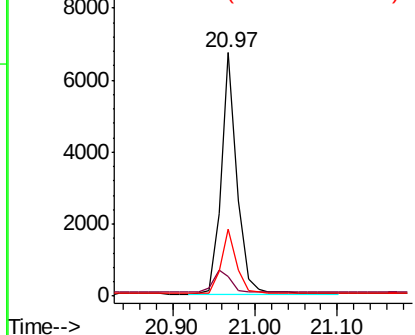


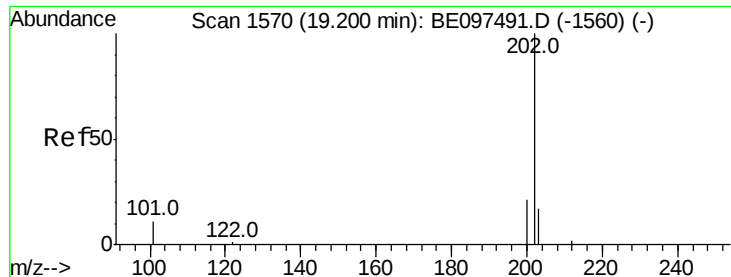
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.97 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BE097512.D
 Acq: 18 Sep 2018 1:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.0	5.5	8.3
236	27.6	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

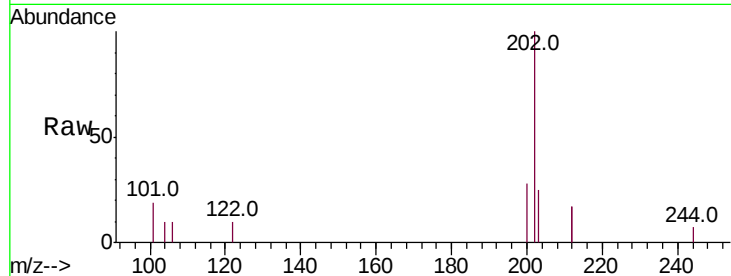




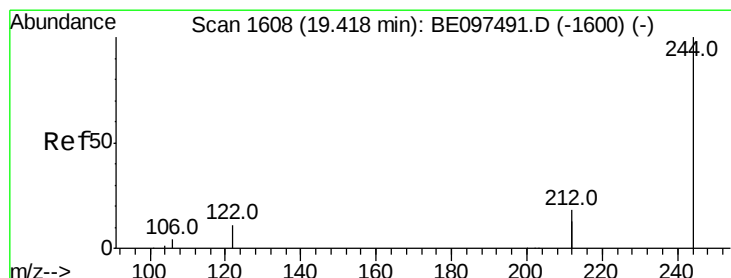
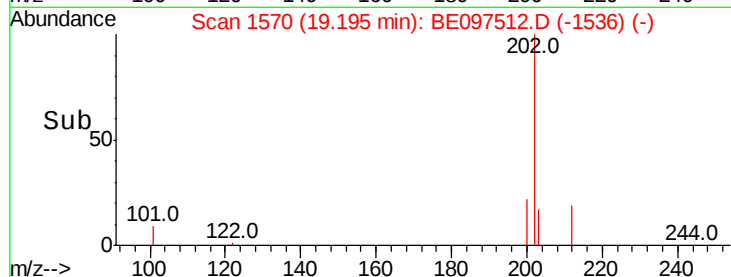
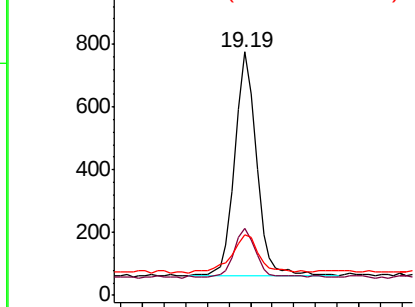
#28
Pvrene
Concen: 0.042 ng
RT: 19.19 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BE097512.D
Acq: 18 Sep 2018 1:15

Instrument :
BNA_E
ClientSampleId :
AOC3-01-D

Tot Ion:202 Resp: 985
Ion Ratio Lower Upper
202 100
200 22.9 16.6 25.0
203 21.6 13.8 20.8#

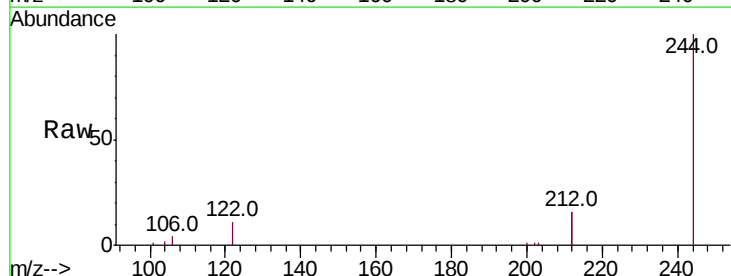


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

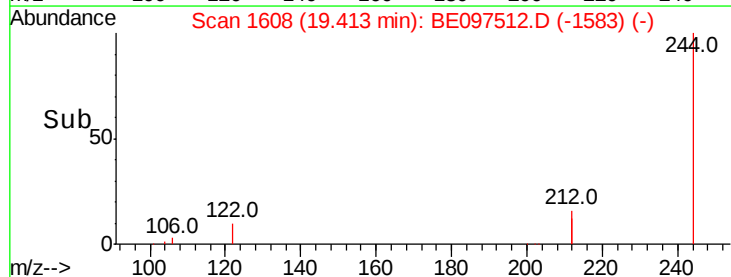
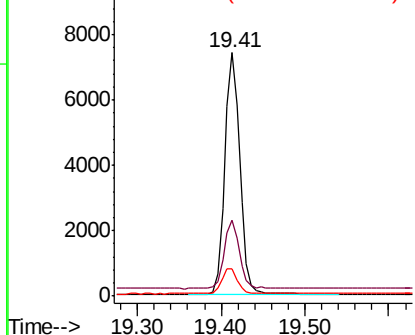


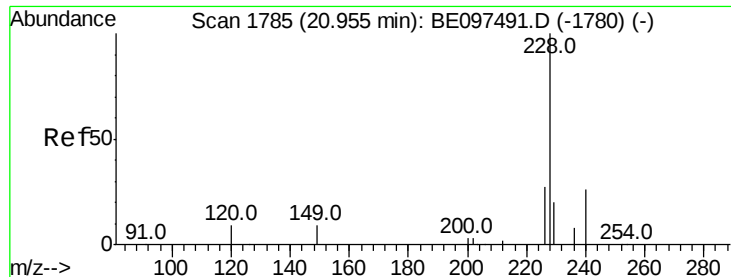
#29
Terphenyl-d14
Concen: 0.538 ng
RT: 19.41 min Scan# 1608
Delta R.T. -0.01 min
Lab File: BE097512.D
Acq: 18 Sep 2018 1:15

Tgt Ion:244 Resp: 9272
Ion Ratio Lower Upper
244 100
212 31.1 25.4 38.0
122 11.2 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: 0.010 ng

RT: 20.96 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

Instrument :

BNA_E

ClientSampleId :

AOC3-01-D

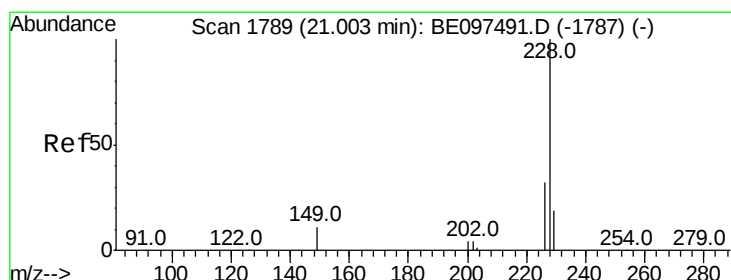
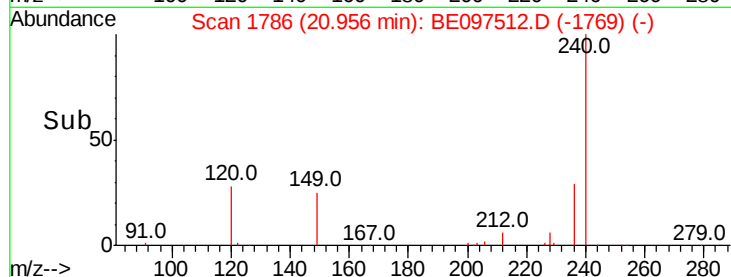
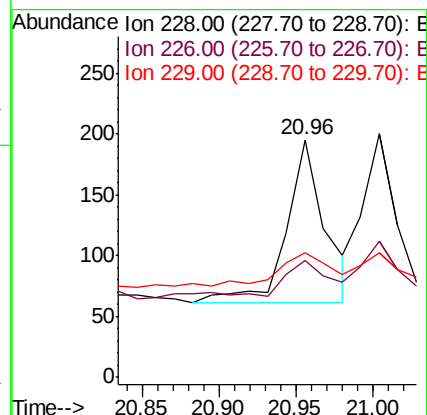
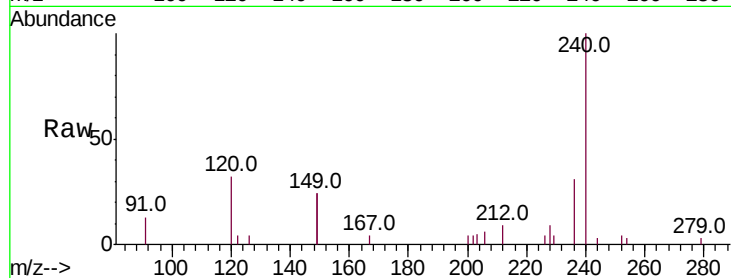
Tot Ion:228 Resp: 236

Ion Ratio Lower Upper

228 100

226 49.2 24.0 36.0#

229 52.3 16.0 24.0#



#31

Chrysene

Concen: 0.008 ng

RT: 21.00 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

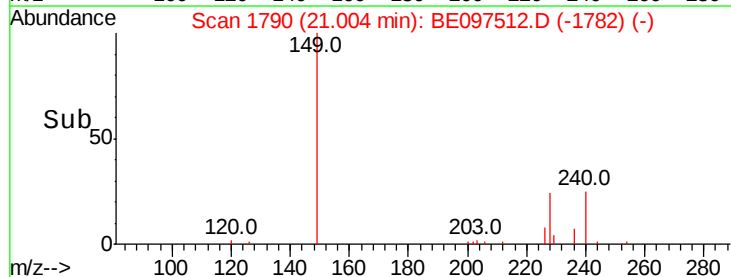
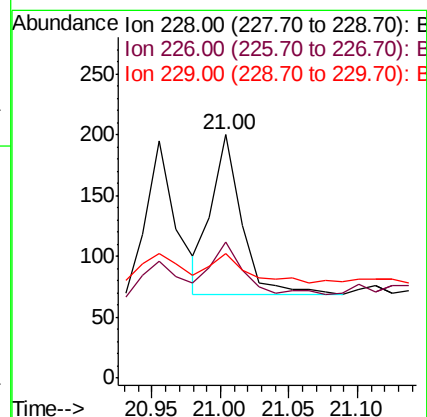
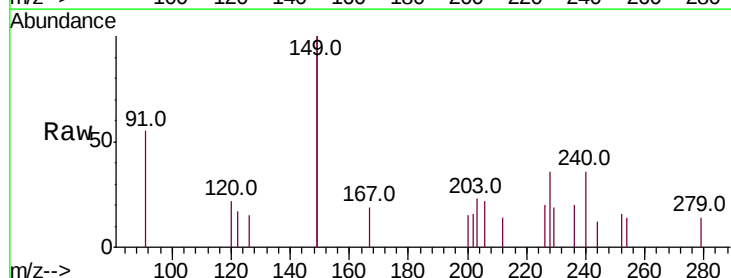
Tgt Ion:228 Resp: 200

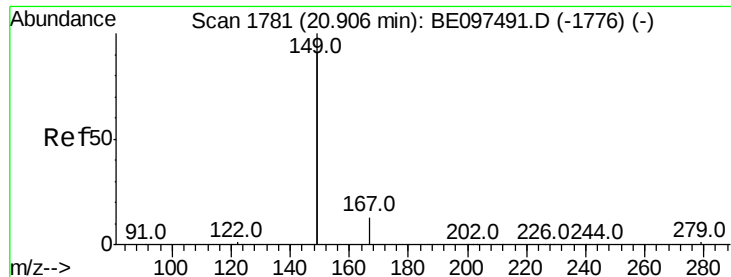
Ion Ratio Lower Upper

228 100

226 56.0 24.0 36.0#

229 51.0 16.0 24.0#

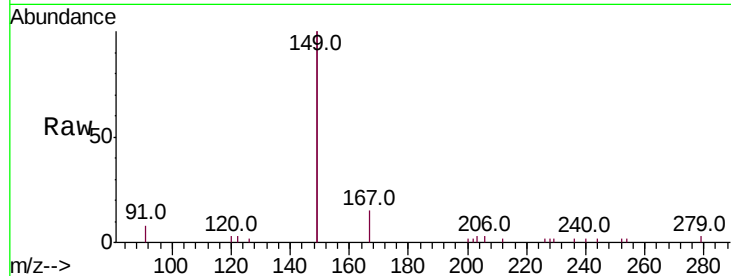




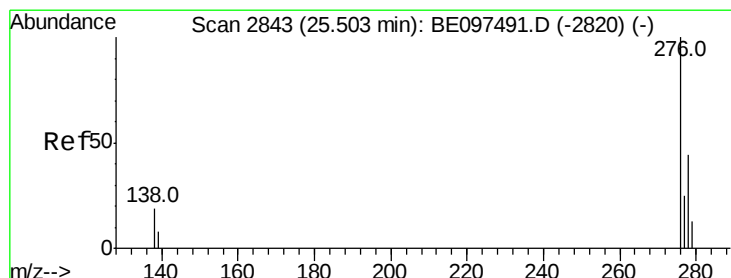
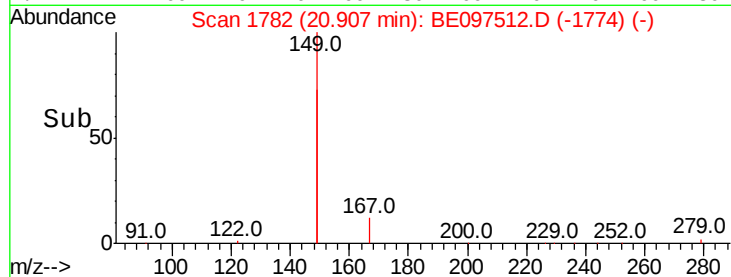
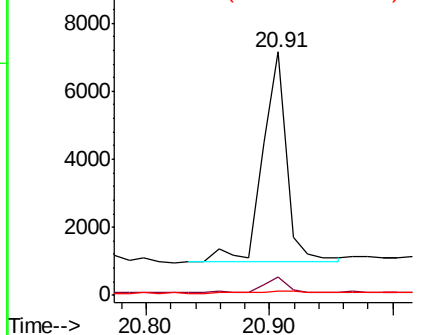
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.168 ng
 RT: 20.91 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: BE097512.D
 Acq: 18 Sep 2018 1:15

Instrument :
 BNA_E
 ClientSampleId :
 AOC3-01-D

Tot Ion:149 Resp: 8460
 Ion Ratio Lower Upper
 149 100
 167 6.3 5.4 8.0
 279 1.5 0.7 1.1#

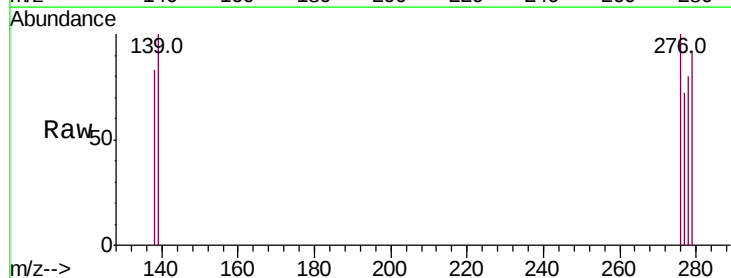


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

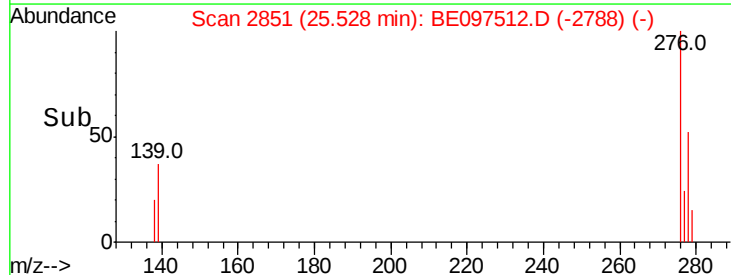
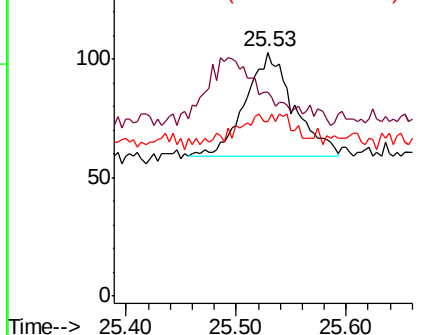


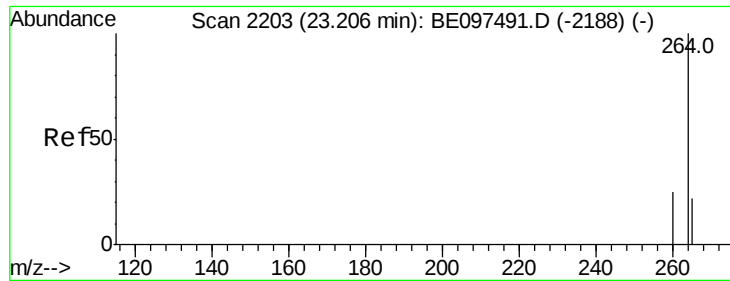
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.005 ng
 RT: 25.53 min Scan# 2851
 Delta R.T. 0.03 min
 Lab File: BE097512.D
 Acq: 18 Sep 2018 1:15

Tgt Ion:276 Resp: 134
 Ion Ratio Lower Upper
 276 100
 138 0.0 22.5 33.7#
 277 13.4 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

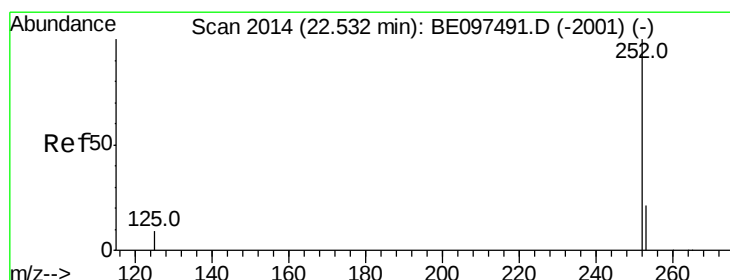
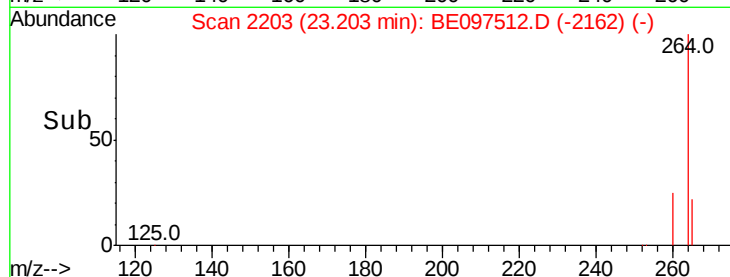
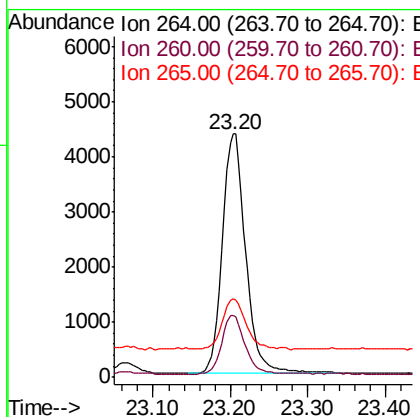
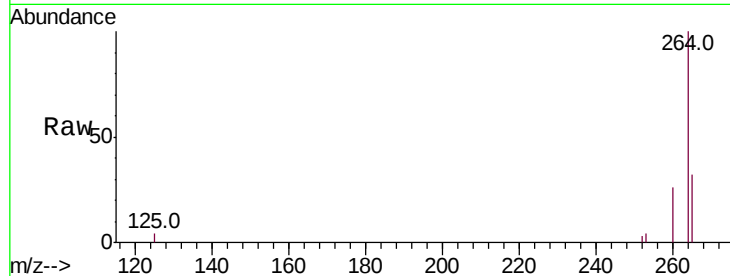




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.20 min Scan# 2203
Delta R.T. -0.00 min
Lab File: BE097512.D
Acq: 18 Sep 2018 1:15

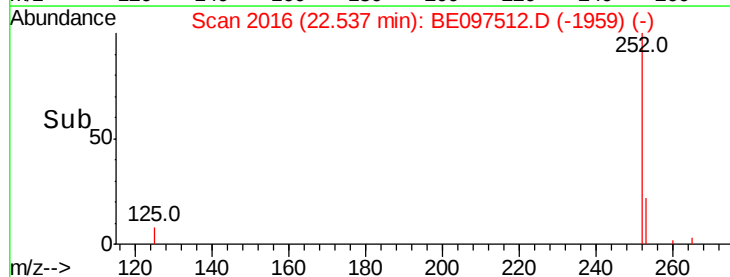
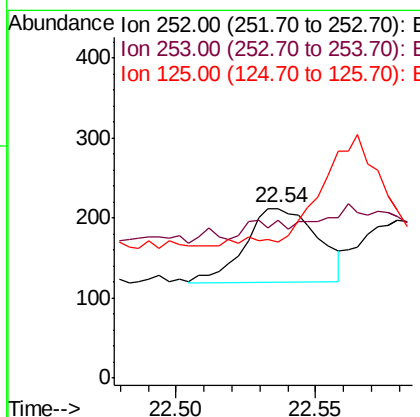
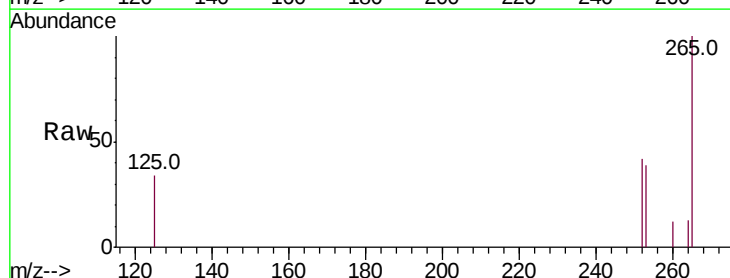
Instrument :
BNA_E
ClientSampleId :
AOC3-01-D

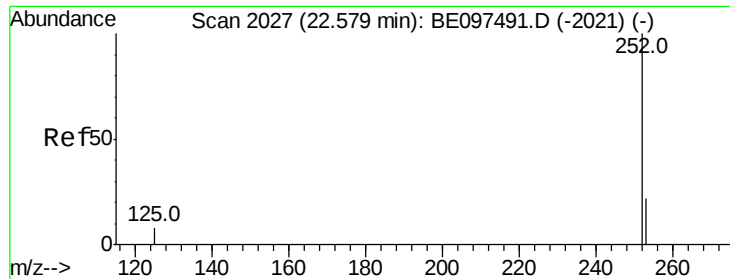
Tot Ion:264 Resp: 9107
Ion Ratio Lower Upper
264 100
260 25.6 20.5 30.7
265 32.5 22.8 34.2



#35
Benzo(b)fluoranthene
Concen: 0.007 ng
RT: 22.54 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BE097512.D
Acq: 18 Sep 2018 1:15

Tgt Ion:252 Resp: 167
Ion Ratio Lower Upper
252 100
253 93.4 20.0 30.0#
125 80.2 16.0 24.0#

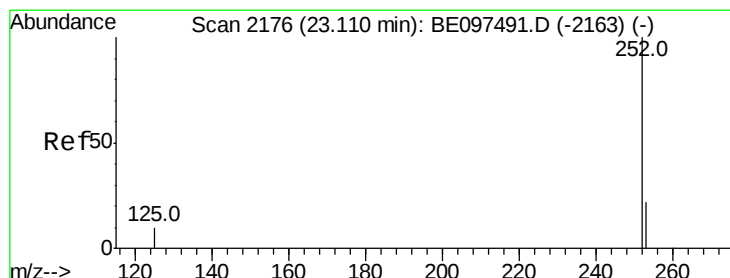
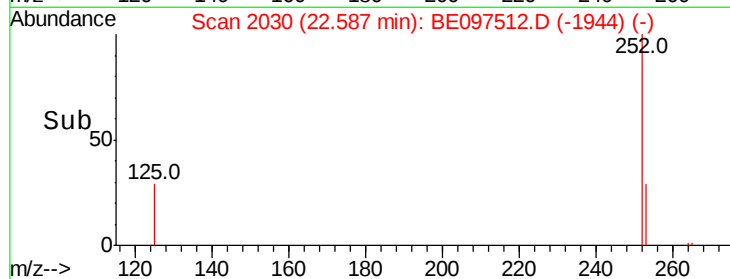
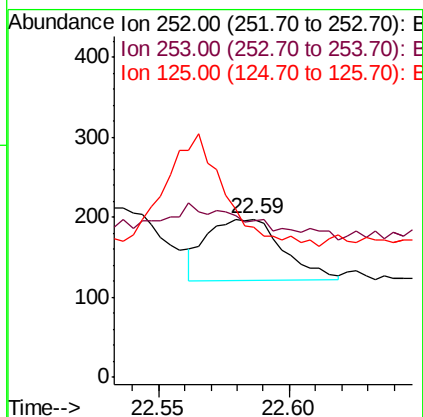
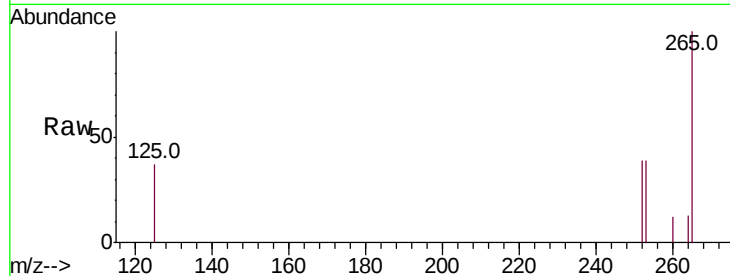




#36
Benzo(k)fluoranthene
Concen: 0.006 ng
RT: 22.59 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BE097512.D
Acq: 18 Sep 2018 1:15

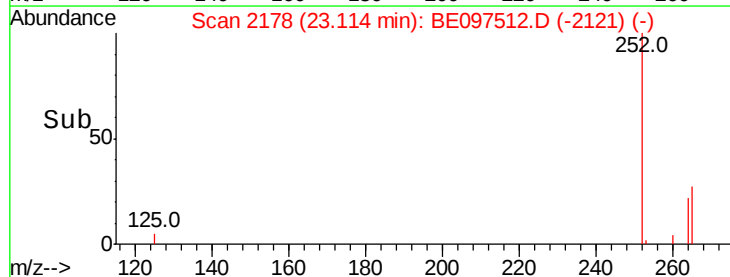
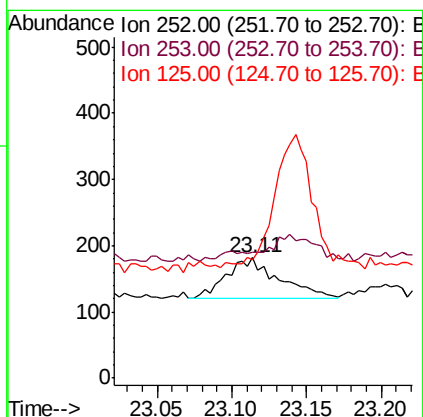
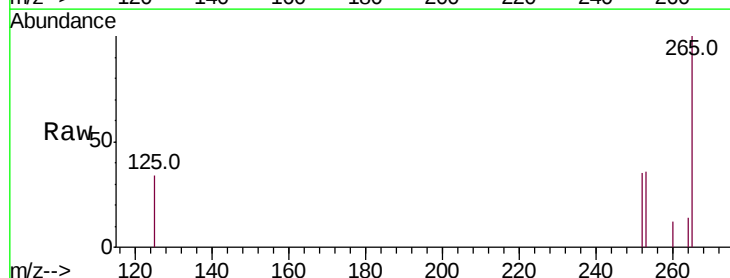
Instrument :
BNA_E
ClientSampleId :
AOC3-01-D

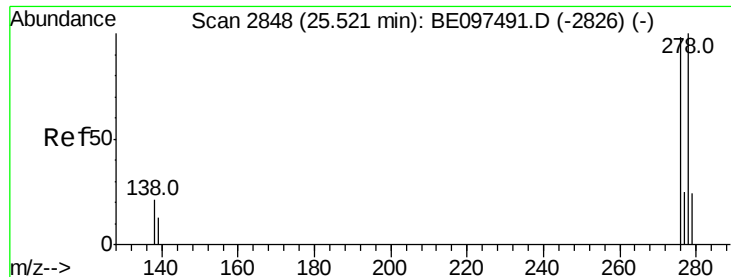
Tot Ion:252 Resp: 154
Ion Ratio Lower Upper
252 100
253 99.0 16.0 24.0#
125 94.4 8.0 12.0#



#37
Benzo(a)pyrene
Concen: 0.007 ng
RT: 23.11 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BE097512.D
Acq: 18 Sep 2018 1:15

Tgt Ion:252 Resp: 153
Ion Ratio Lower Upper
252 100
253 104.4 16.0 24.0#
125 98.4 12.0 18.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.004 ng

RT: 25.54 min Scan# 2855

Delta R.T. 0.02 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

Instrument :

BNA_E

ClientSampleId :

AOC3-01-D

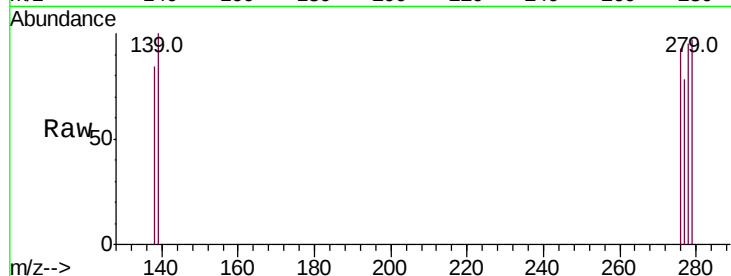
Tot Ion:278 Resp: 99

Ion Ratio Lower Upper

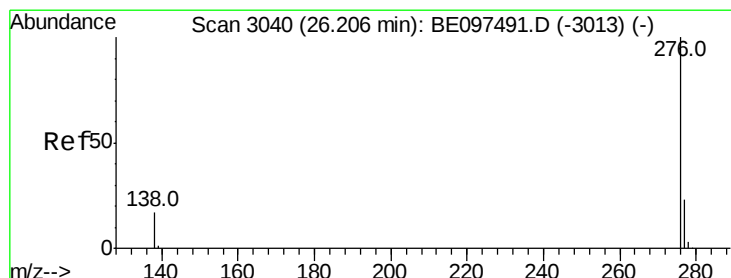
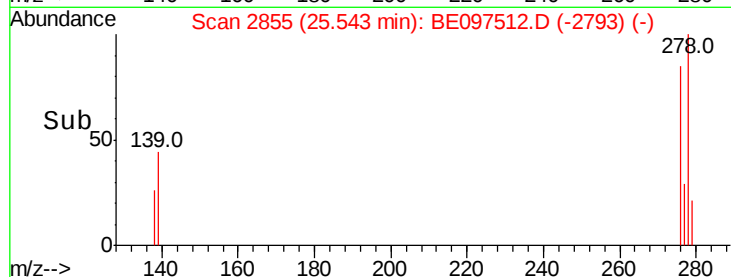
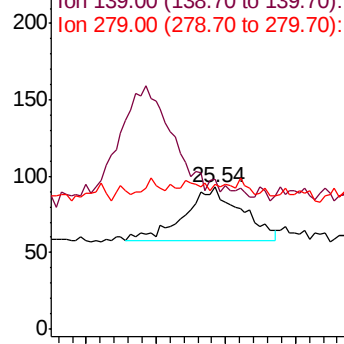
278 100

139 105.4 16.0 24.0#

279 102.2 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(g,h,i)perylene

Concen: 0.005 ng

RT: 26.23 min Scan# 3047

Delta R.T. 0.02 min

Lab File: BE097512.D

Acq: 18 Sep 2018 1:15

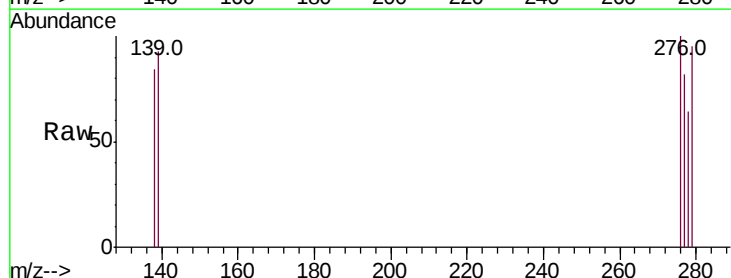
Tgt Ion:276 Resp: 128

Ion Ratio Lower Upper

276 100

277 82.1 16.0 24.0#

138 84.2 20.0 30.0#



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

