

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091718\
 Data File : BE097499.D
 Acq On : 17 Sep 2018 17:07
 Operator : SJ/JU
 Sample : J4892-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FB-091118

Quant Time: Sep 18 05:50:28 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	898	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4132	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2347	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	6410	0.40	ng	0.00
27) Chrysene-d12	20.98	240	8131	0.40	ng	0.01
34) Perylene-d12	23.21	264	8405	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	647	0.21	ng	0.00
5) Phenol-d6	6.63	99	327	0.08	ng	0.02
8) Nitrobenzene-d5	8.53	82	1449	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	2899	0.49	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	510	0.41	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	4713	0.57	ng	0.01
25) Fluoranthene-d10	18.81	212	41413	0.54	ng	0.00
29) Terphenyl-d14	19.42	244	8195	0.53	ng	0.00

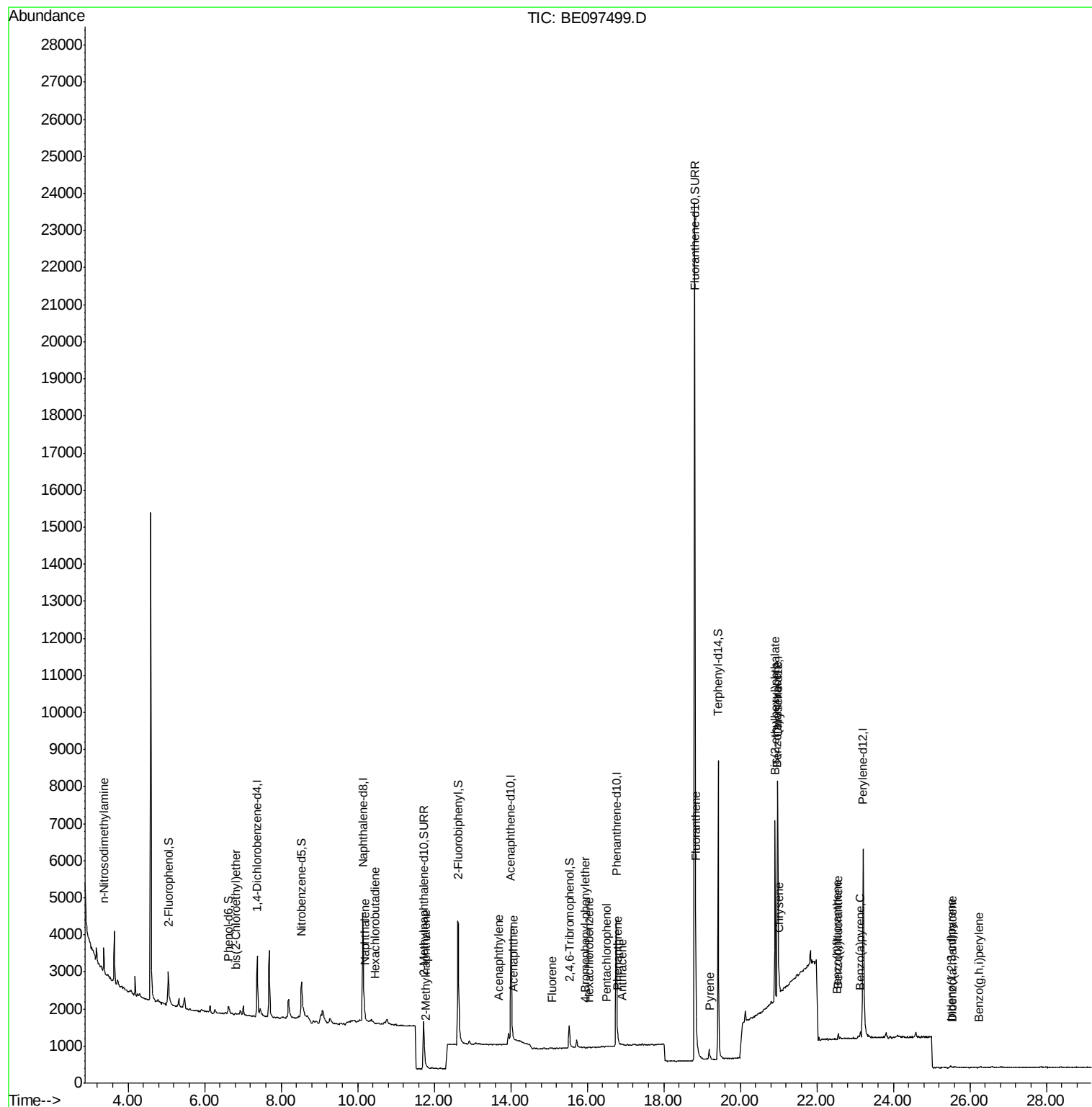
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.36	42	127	0.098	ng	# 5
6) bis(2-Chloroethyl)ether	6.81	93	15	0.005	ng	# 1
9) Naphthalene	10.18	128	274	0.007	ng	# 58
10) Hexachlorobutadiene	10.46	225	3	0.002	ng	# 59
12) 2-Methylnaphthalene	11.80	142	21	0.004	ng	# 61
16) Acenaphthylene	13.69	152	20	0.002	ng	# 60
17) Acenaphthene	14.06	154	7	0.001	ng	# 60
18) Fluorene	15.07	166	20	0.002	ng	# 74
20) 4-Bromophenyl-phenylether	15.96	248	1	0.000	ng	# 50
21) Hexachlorobenzene	16.05	284	8	0.002	ng	# 38
22) Pentachlorophenol	16.50	266	5	0.051	ng	96
23) Phenanthrene	16.80	178	124	0.008	ng	# 66
24) Anthracene	16.92	178	7	0.001	ng	# 16
26) Fluoranthene	18.84	202	84	0.004	ng	# 71
28) Pyrene	19.21	202	69	0.003	ng	# 85
30) Benzo(a)anthracene	20.97	228	59	0.003	ng	# 1
31) Chrysene	21.02	228	49	0.002	ng	# 1
32) Bis(2-ethylhexyl)phthalate	20.91	149	5400	0.119	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.51	276	4	0.000	ng	# 1
35) Benzo(b)fluoranthene	22.52	252	8	0.000	ng	# 1
36) Benzo(k)fluoranthene	22.56	252	95	0.004	ng	# 1
37) Benzo(a)pyrene	23.12	252	17	0.001	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	3	0.000	ng	# 1
39) Benzo(g,h,i)perylene	26.23	276	5	0.000	ng	# 1

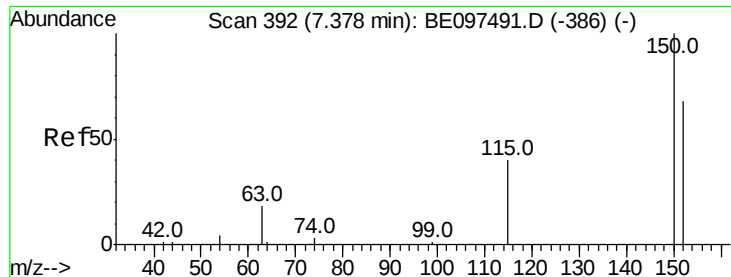
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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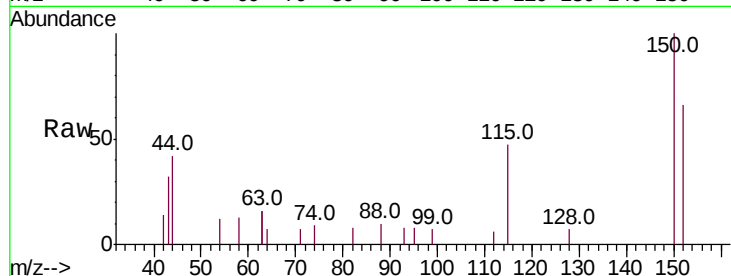


#1

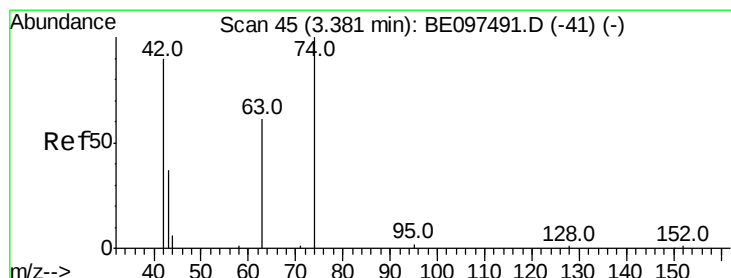
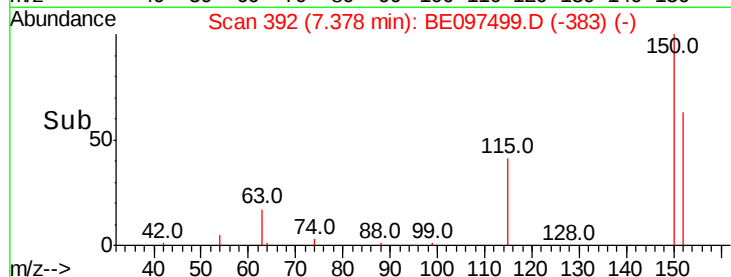
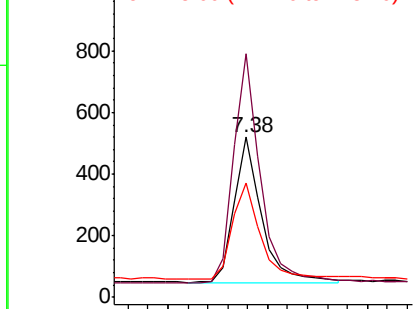
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. 0.00 min
Lab File: BE097499.D
Acq: 17 Sep 2018 17:07

Instrument :
BNA_E
ClientSampled :
FB-091118

Tot Ion:152 Resp: 898
Ion Ratio Lower Upper
152 100
150 152.4 117.2 175.8
115 71.3 57.0 85.6



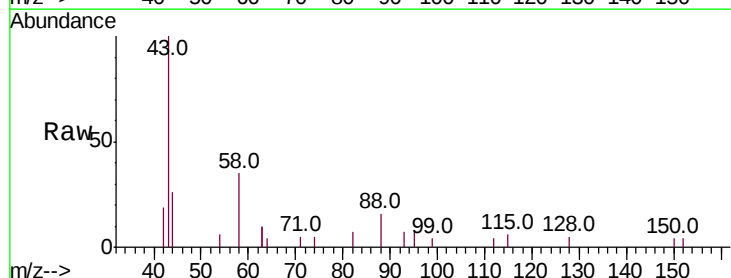
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



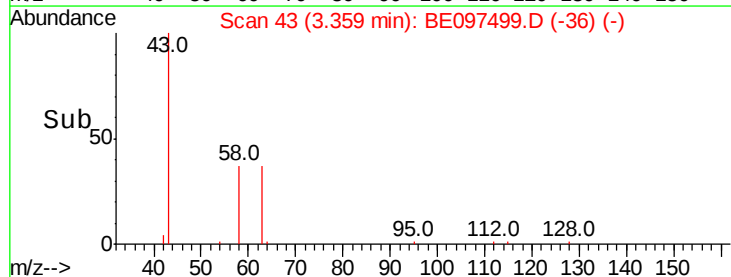
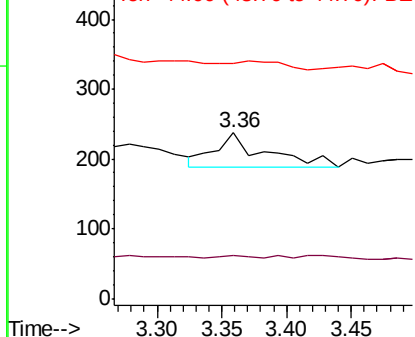
#3

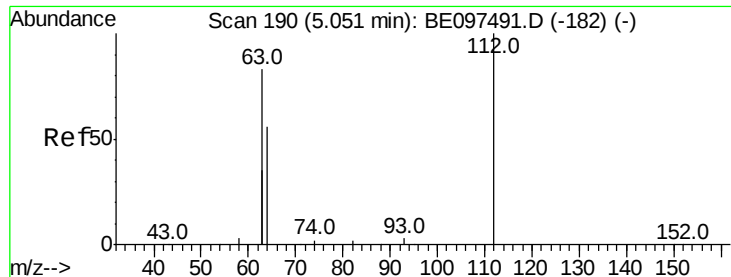
n-Nitrosodimethylamine
Concen: 0.098 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.02 min
Lab File: BE097499.D
Acq: 17 Sep 2018 17:07

Tgt Ion: 42 Resp: 127
Ion Ratio Lower Upper
42 100
74 3.9 96.0 144.0#
44 22.8 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: 0.213 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

Instrument :

BNA_E

ClientSampleId :

FB-091118

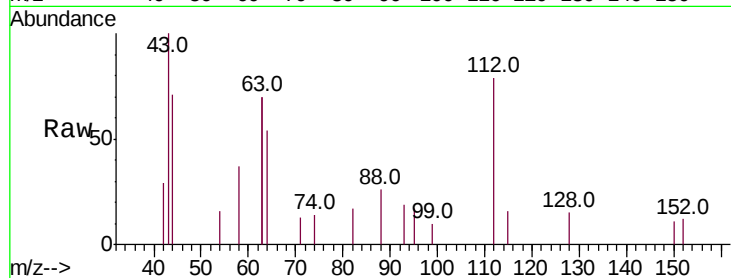
Tot Ion:112 Resp: 647

Ion Ratio Lower Upper

112 100

64 64.6 60.1 90.1

63 141.4 116.8 175.2



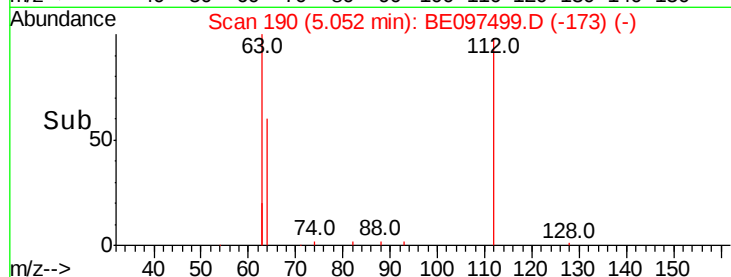
Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

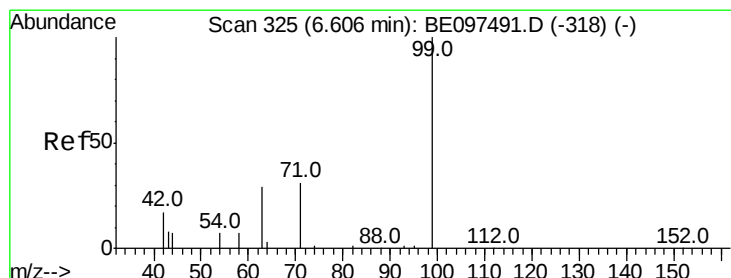
Ion 63.00 (62.70 to 63.70): BE0

Time-->

4.90 5.00 5.10 5.20



Time-->



#5

Phenol-d6

Concen: 0.085 ng

RT: 6.63 min Scan# 327

Delta R.T. 0.02 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

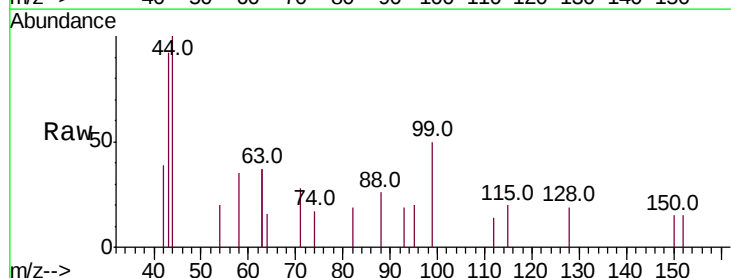
Tgt Ion: 99 Resp: 327

Ion Ratio Lower Upper

99 100

42 26.9 20.2 30.2

71 29.7 28.4 42.6



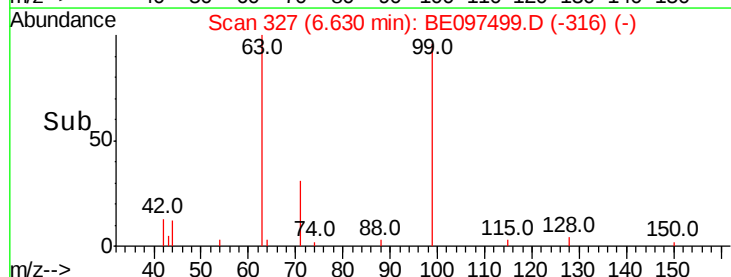
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

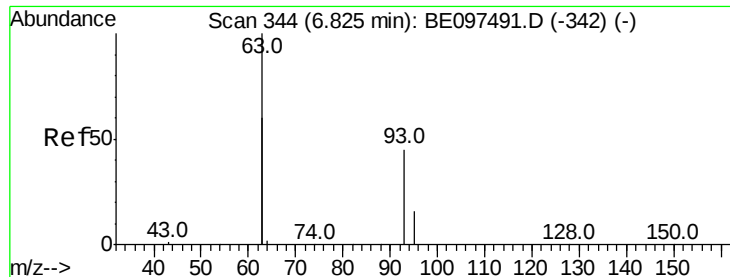
Ion 71.00 (70.70 to 71.70): BE0

Time-->

6.55 6.60 6.65



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.005 ng

RT: 6.81 min Scan# 343

Delta R.T. -0.01 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

Instrument :

BNA_E

ClientSampleId :

FB-091118

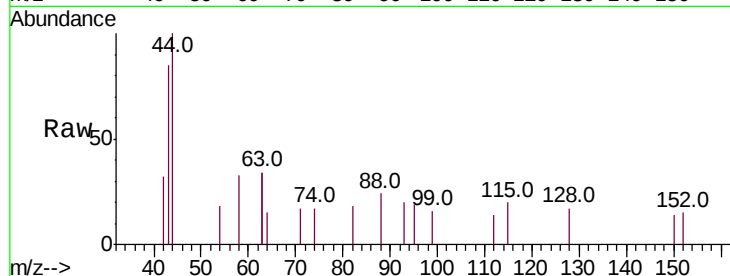
Tot Ion: 93 Resp: 15

Ion Ratio Lower Upper

93 100

63 66.7 275.3 412.9#

95 0.0 25.2 37.8#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

300

250

200

150

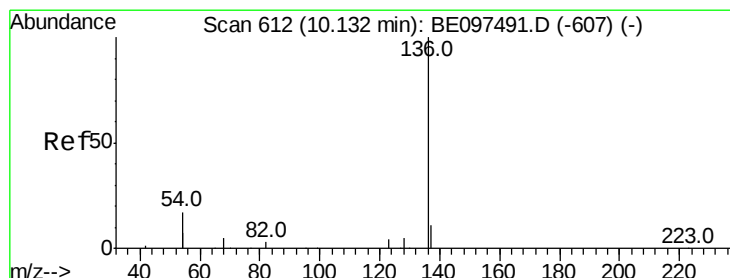
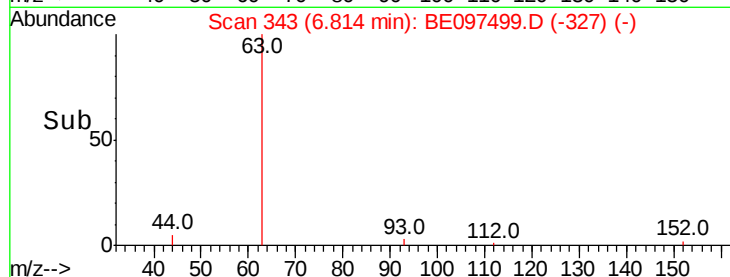
100

50

0

6.75 6.80 6.85

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

Tgt Ion: 136 Resp: 4132

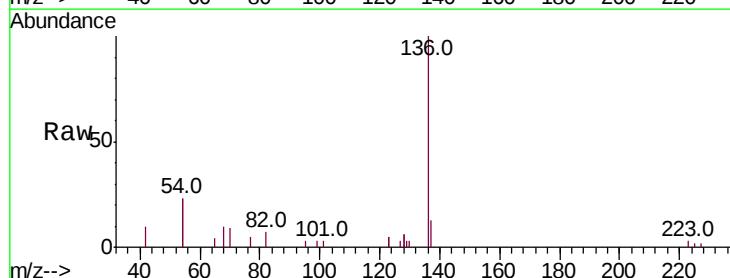
Ion Ratio Lower Upper

136 100

137 12.9 9.5 14.3

54 46.1 29.1 43.7#

68 10.4 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

2500

2000

1500

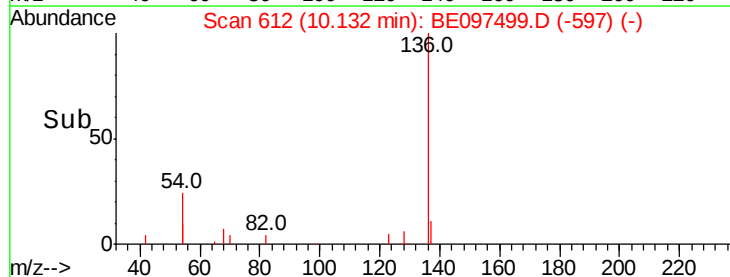
1000

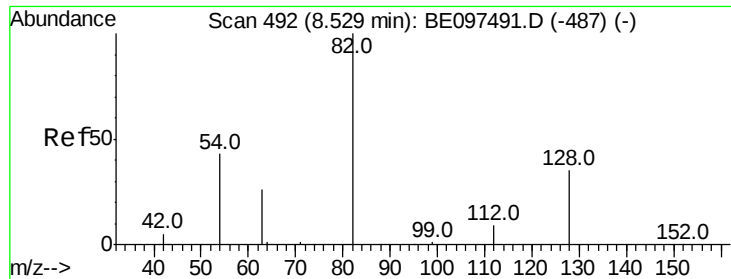
500

0

10.00 10.10 10.20 10.30

Time-->





#8

Nitrobenzene-d5

Concen: 0.436 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

Instrument :

BNA_E

ClientSampleId :

FB-091118

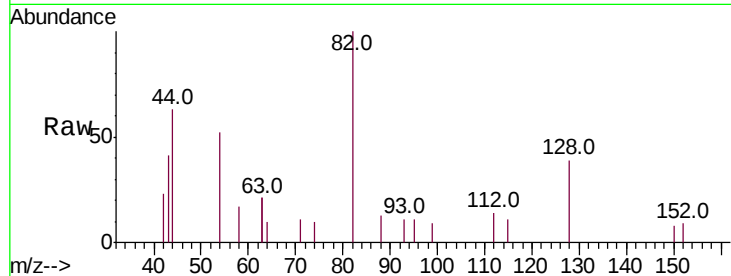
Tot Ion: 82 Resp: 1449

Ion Ratio Lower Upper

82 100

128 38.5 24.0 36.0#

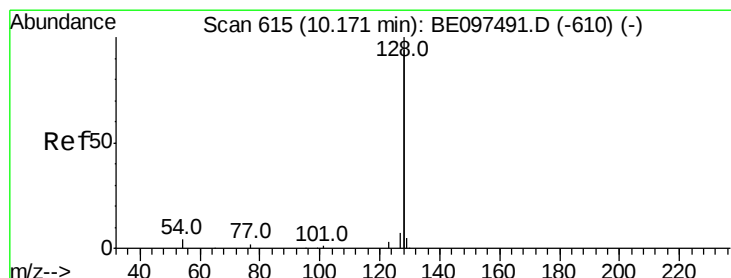
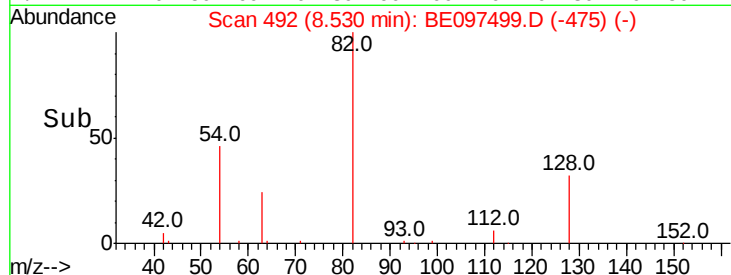
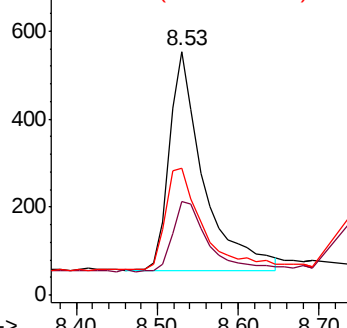
54 52.3 40.0 60.0



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: 0.007 ng

RT: 10.18 min Scan# 616

Delta R.T. 0.01 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

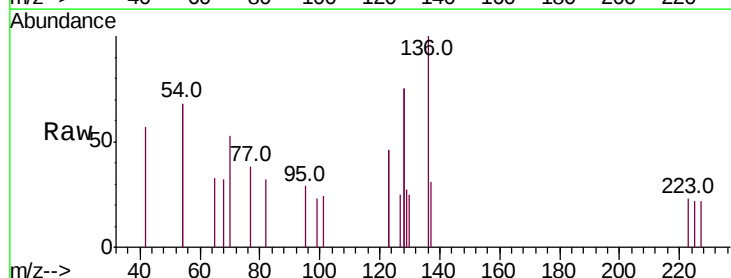
Tgt Ion:128 Resp: 274

Ion Ratio Lower Upper

128 100

129 17.9 2.6 3.8#

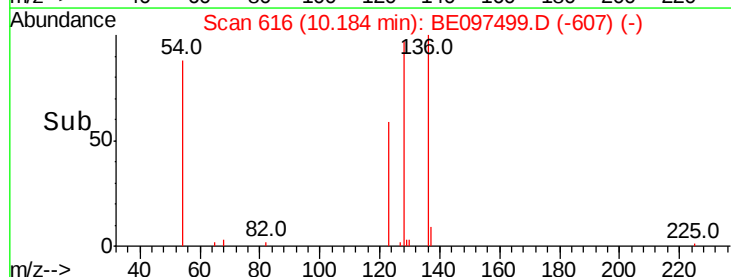
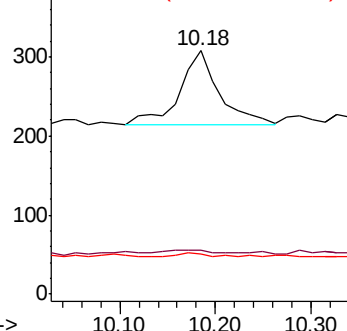
127 16.6 2.8 4.2#

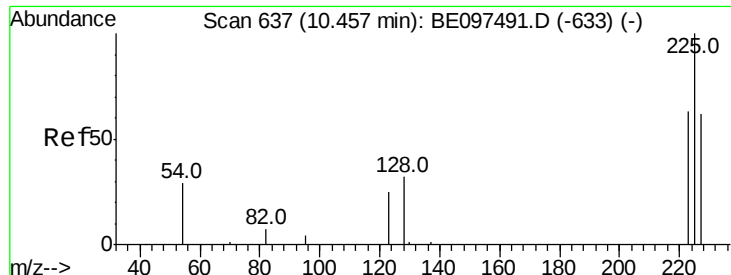


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

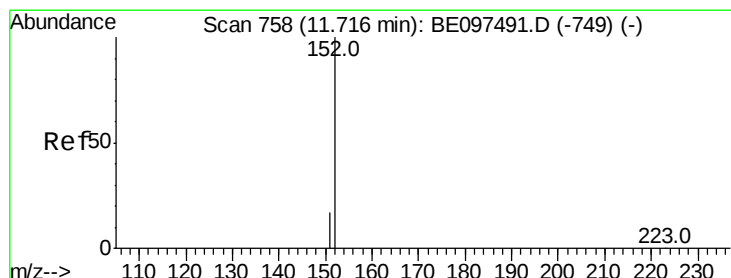
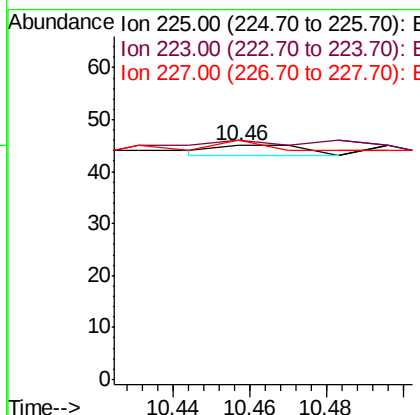
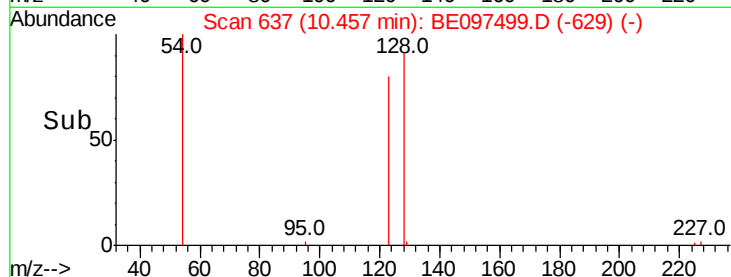
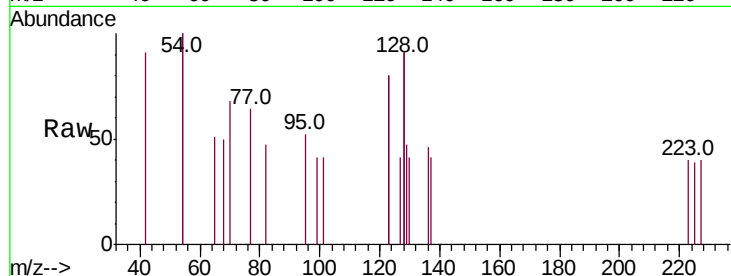




#10
Hexachlorobutadiene
Concen: 0.002 ng
RT: 10.46 min Scan# 637
Delta R.T. 0.00 min
Lab File: BE097499.D
Acq: 17 Sep 2018 17:07

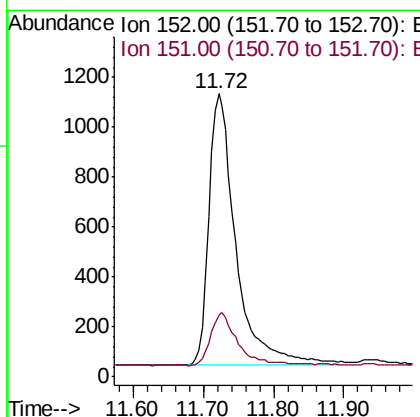
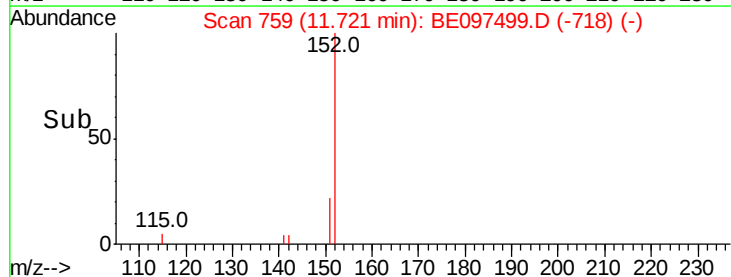
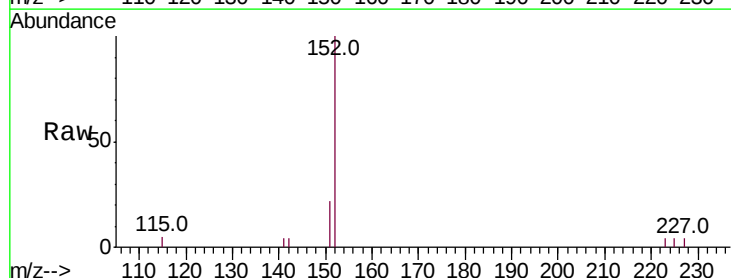
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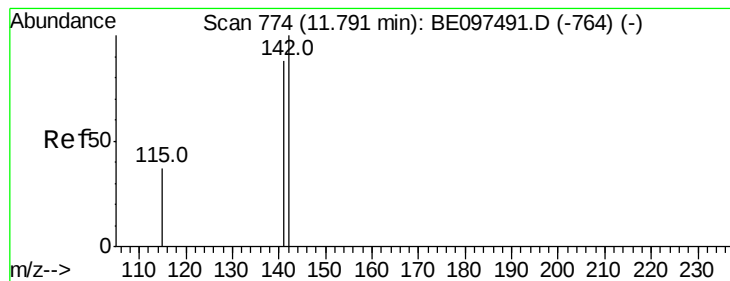
Tot Ion: 225 Resp: 3
Ion Ratio Lower Upper
225 100
223 66.7 53.0 79.6
227 0.0 51.4 77.2#



#11
2-Methylnaphthalene-d10
Concen: 0.491 ng
RT: 11.72 min Scan# 759
Delta R.T. 0.01 min
Lab File: BE097499.D
Acq: 17 Sep 2018 17:07

Tgt Ion: 152 Resp: 2899
Ion Ratio Lower Upper
152 100
151 19.3 15.4 23.0





#12

2-Methylnaphthalene

Concen: 0.004 ng

RT: 11.80 min Scan# 775

Delta R.T. 0.01 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

Instrument :

BNA_E

ClientSampleId :

FB-091118

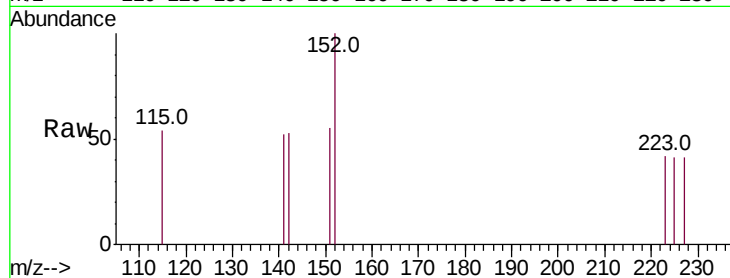
Tot Ion:142 Resp: 21

Ion Ratio Lower Upper

142 100

141 98.3 70.4 105.6

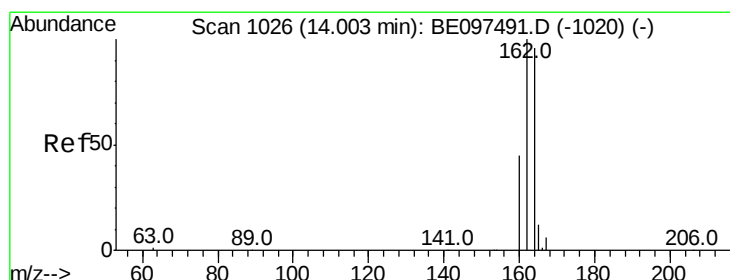
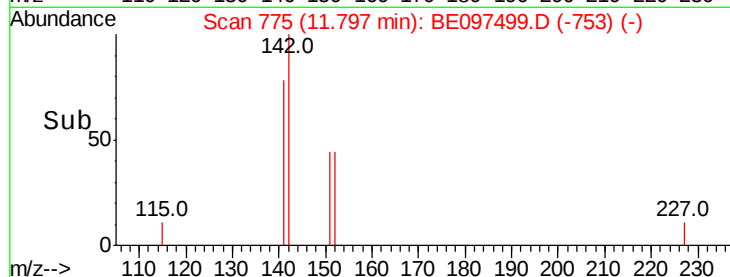
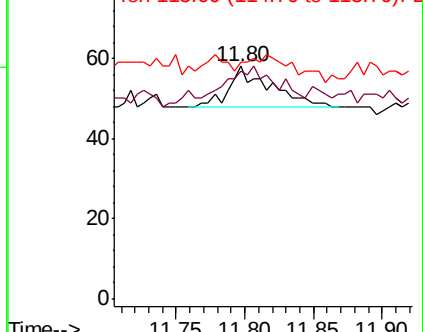
115 101.7 31.7 47.5#



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# 1026

Delta R.T. 0.00 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

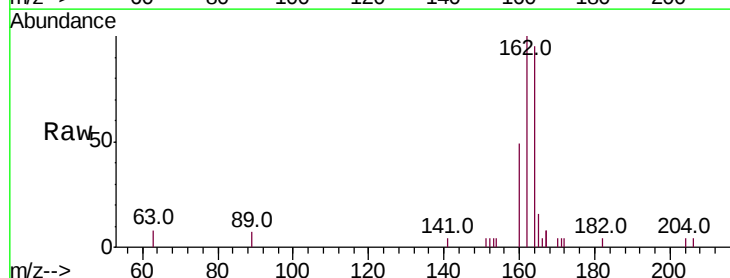
Tgt Ion:164 Resp: 2347

Ion Ratio Lower Upper

164 100

162 105.2 83.1 124.7

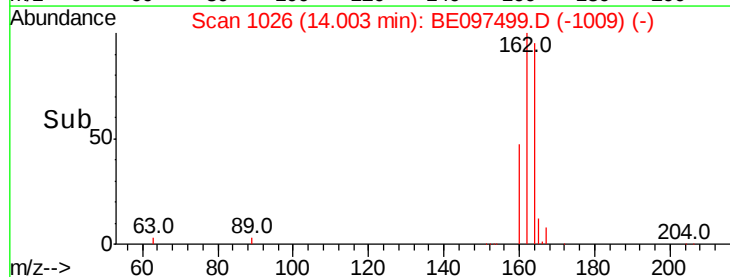
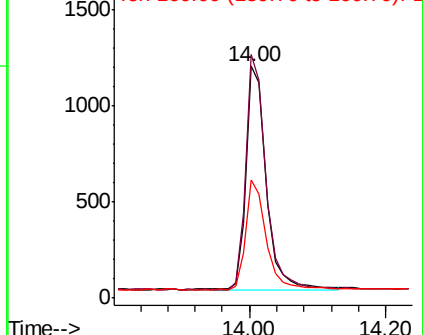
160 51.0 37.1 55.7

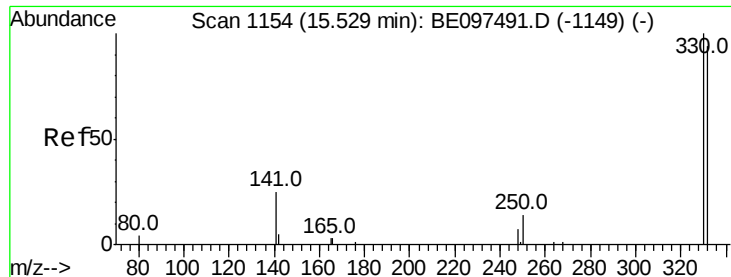


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

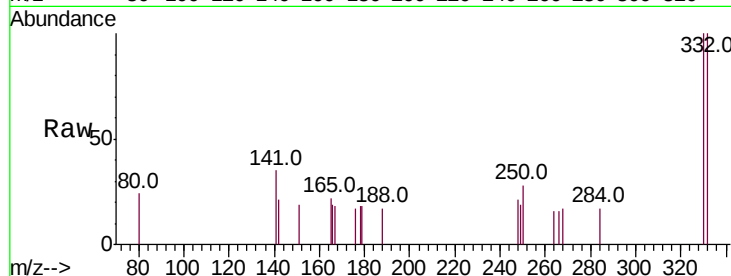




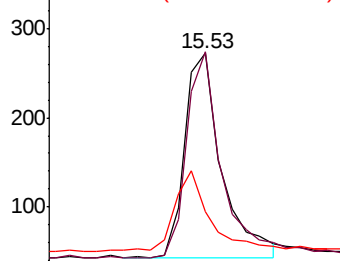
#14
 2,4,6-Tribromophenol
 Concen: 0.411 ng
 RT: 15.53 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097499.D
 Acq: 17 Sep 2018 17:07

Instrument :
 BNA_E
 ClientSampleId :
 FB-091118

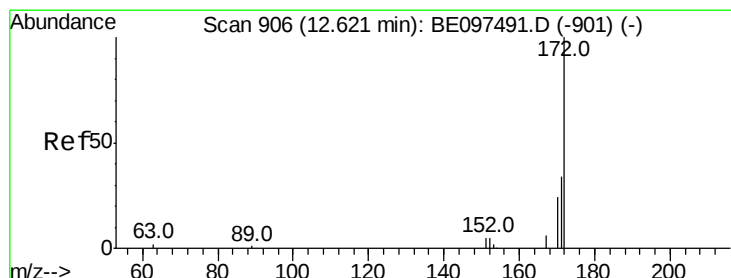
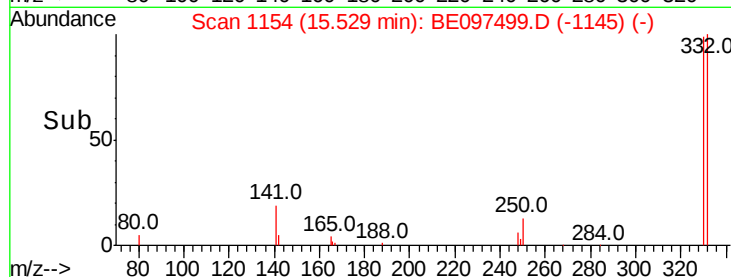
Tot Ion:330 Resp: 510
 Ion Ratio Lower Upper
 330 100
 332 94.7 152.7 229.1#
 141 35.9 33.7 50.5



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

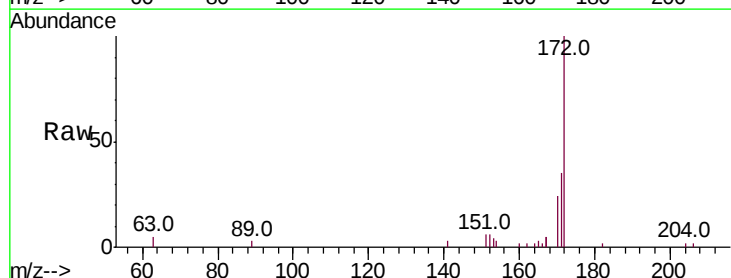


Time--> 15.40 15.50 15.60

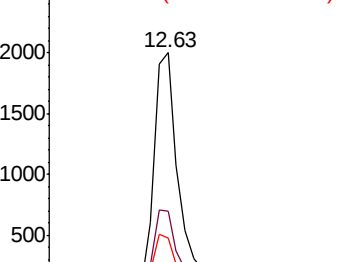


#15
 2-Fluorobiphenyl
 Concen: 0.575 ng
 RT: 12.63 min Scan# 907
 Delta R.T. 0.01 min
 Lab File: BE097499.D
 Acq: 17 Sep 2018 17:07

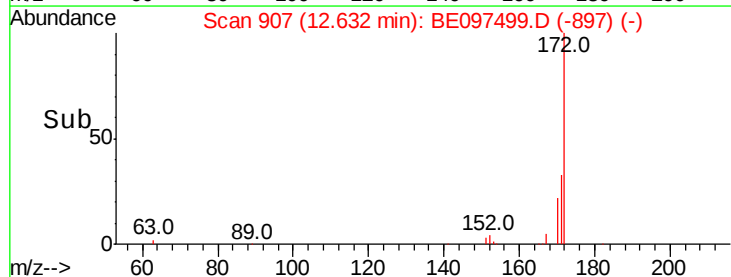
Tgt Ion:172 Resp: 4713
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.9 44.9
 170 23.7 21.8 32.8

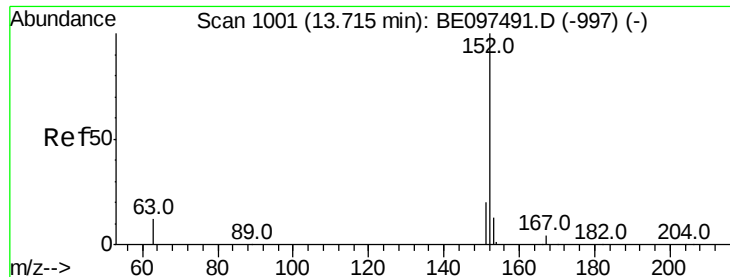


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Time--> 12.50 12.60 12.70 12.80





#16

Acenaphthylene

Concen: 0.002 ng

RT: 13.69 min Scan# 999

Delta R.T. -0.02 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

Instrument :

BNA_E

ClientSampleId :

FB-091118

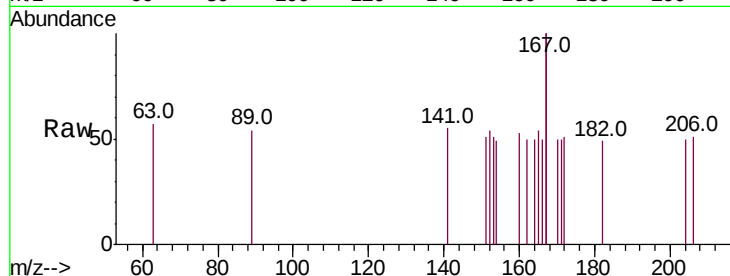
Tot Ion:152 Resp: 20

Ion Ratio Lower Upper

152 100

151 40.0 15.7 23.5#

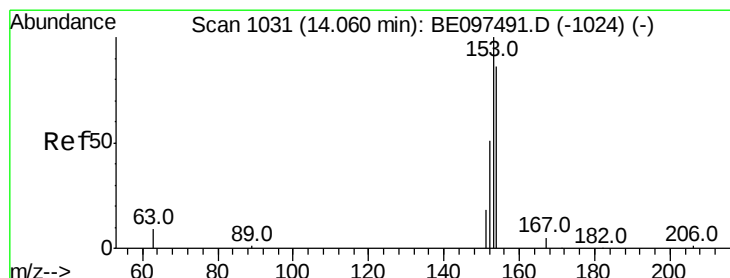
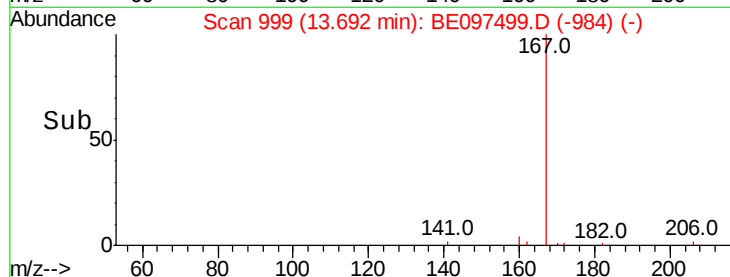
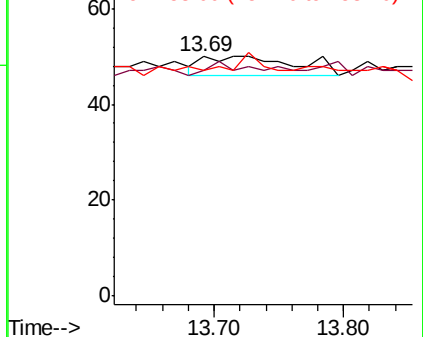
153 0.0 10.5 15.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 0.001 ng

RT: 14.06 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

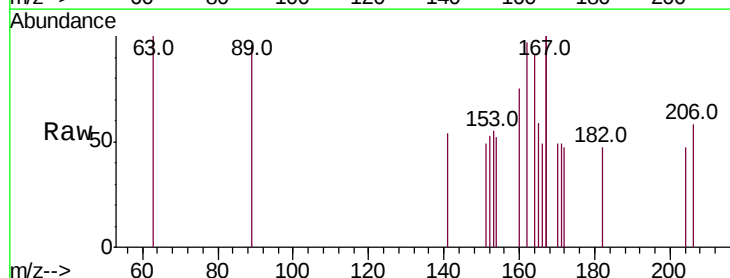
Tgt Ion:154 Resp: 7

Ion Ratio Lower Upper

154 100

153 85.7 89.2 133.8#

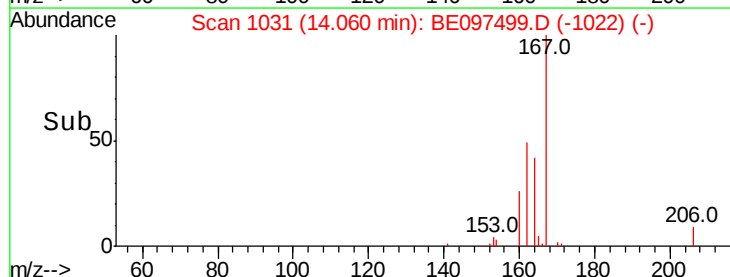
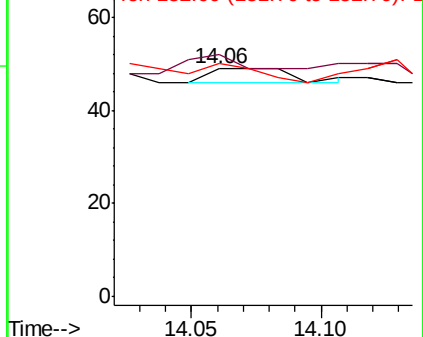
152 0.0 42.0 63.0#

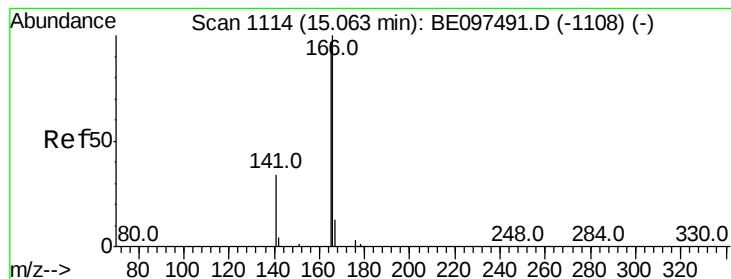


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.002 ng

RT: 15.07 min Scan# 1115

Delta R.T. 0.01 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

Instrument :

BNA_E

ClientSampleId :

FB-091118

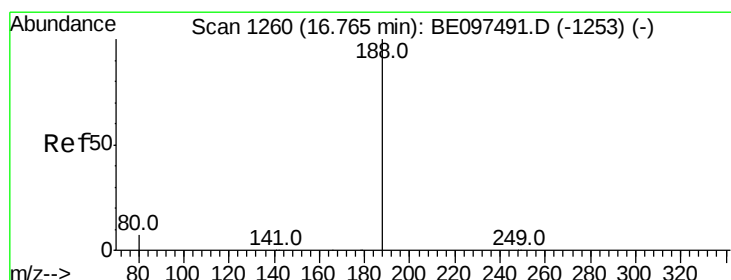
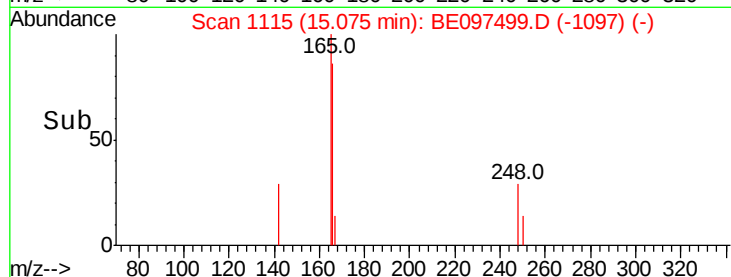
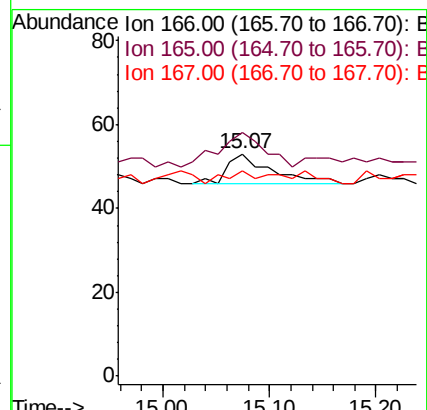
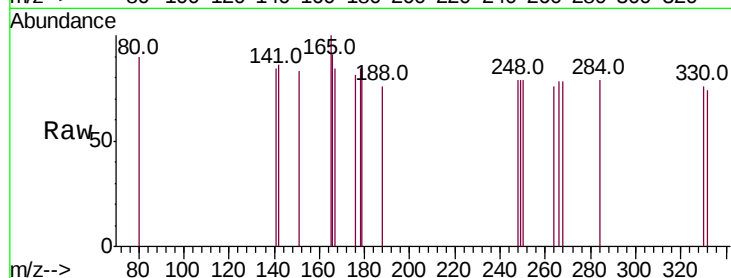
Tot Ion:166 Resp: 20

Ion Ratio Lower Upper

166 100

165 120.0 77.8 116.6#

167 30.0 42.4 63.6#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

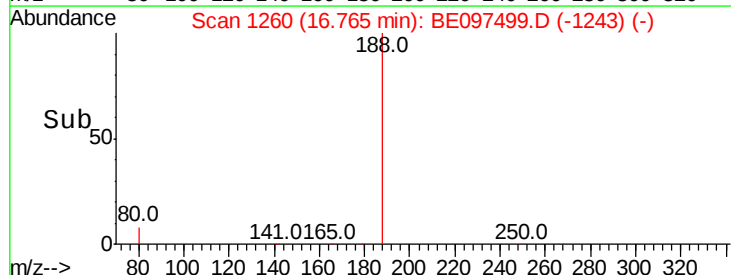
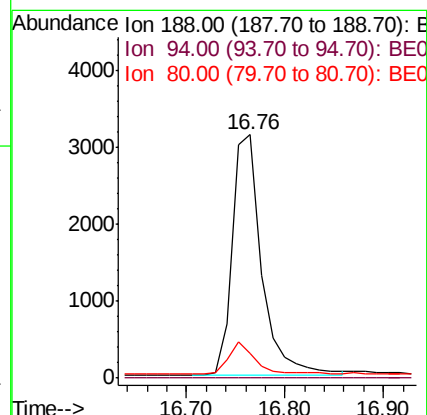
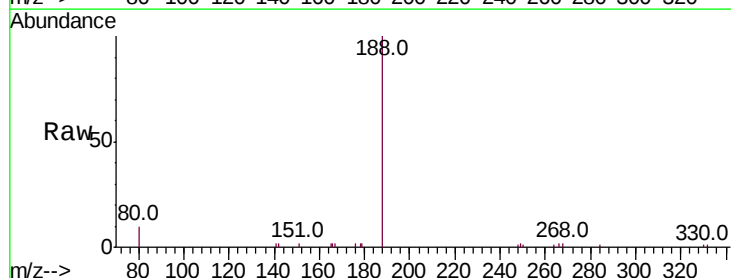
Tgt Ion:188 Resp: 6410

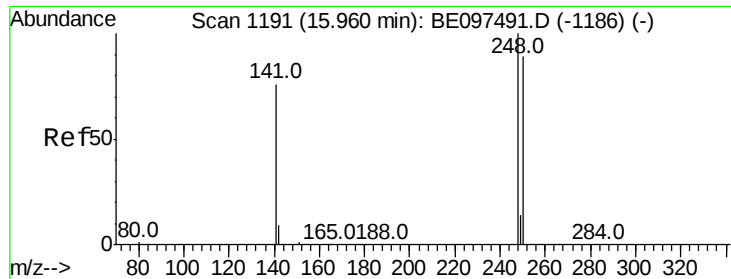
Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 10.0 3.6 5.4#

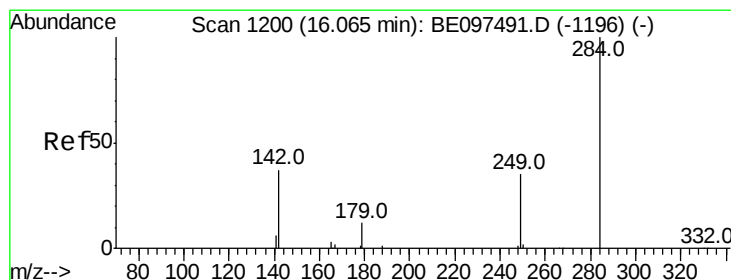
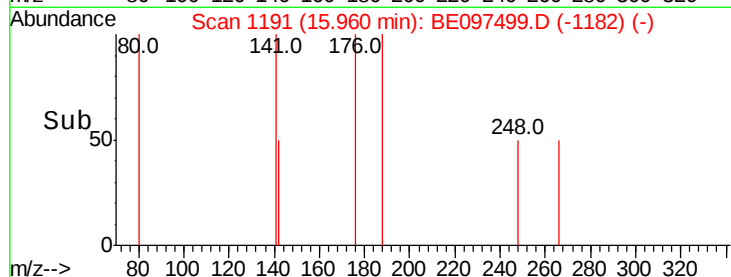
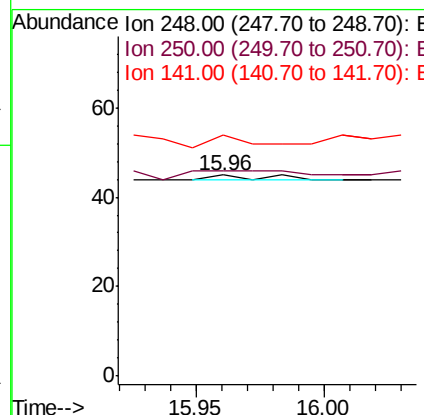
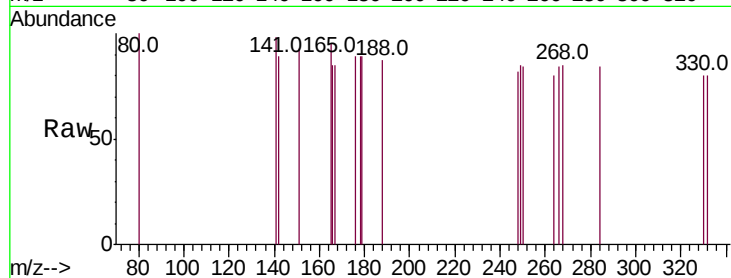




#20
4-Bromophenyl-phenylether
Concen: 0.000 ng
RT: 15.96 min Scan# 1191
Delta R.T. 0.00 min
Lab File: BE097499.D
Acq: 17 Sep 2018 17:07

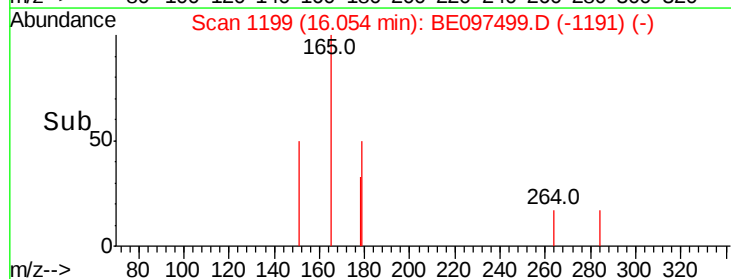
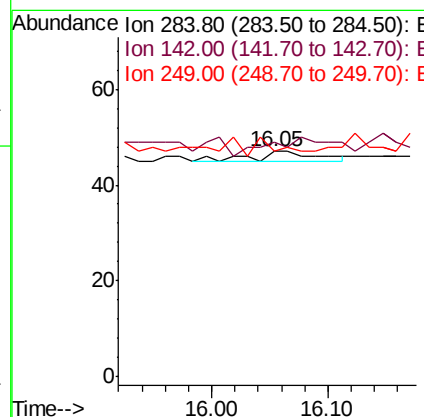
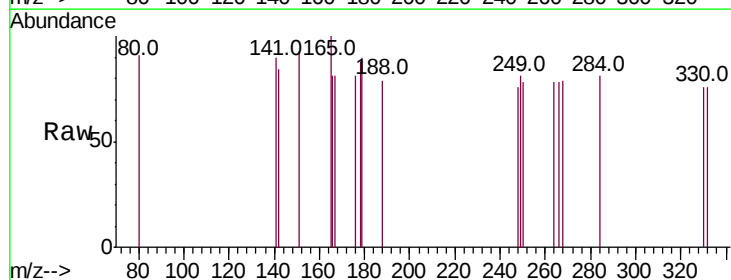
Instrument :
BNA_E
ClientSampled :
FB-091118

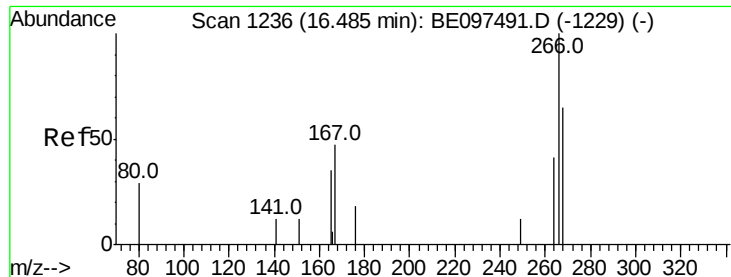
Tot Ion:248 Resp: 1
Ion Ratio Lower Upper
248 100
250 102.2 62.7 94.1#
141 120.0 48.2 72.2#



#21
Hexachlorobenzene
Concen: 0.002 ng
RT: 16.05 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BE097499.D
Acq: 17 Sep 2018 17:07

Tgt Ion:284 Resp: 8
Ion Ratio Lower Upper
284 100
142 0.0 22.1 33.1#
249 0.0 34.8 52.2#





#22

Pentachlorophenol

Concen: 0.051 ng

RT: 16.50 min Scan# 1237

Delta R.T. 0.01 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

Instrument :

BNA_E

ClientSampleId :

FB-091118

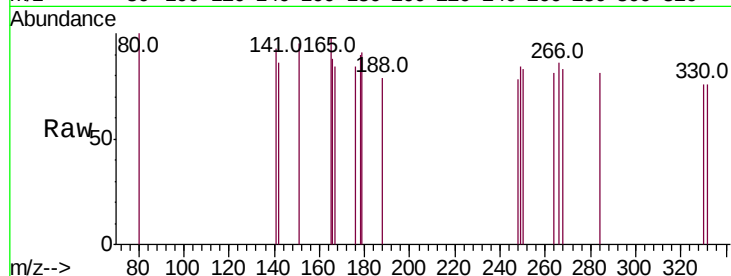
Tot Ion:266 Resp: 5

Ion Ratio Lower Upper

266 100

264 94.0 72.5 108.7

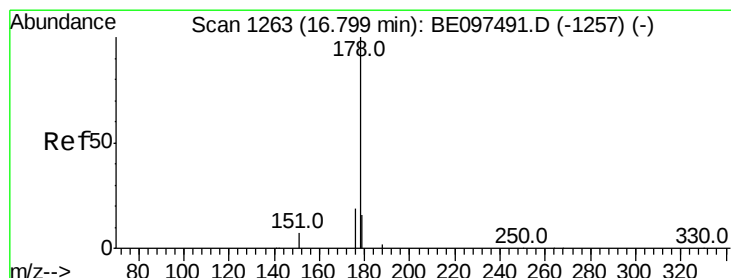
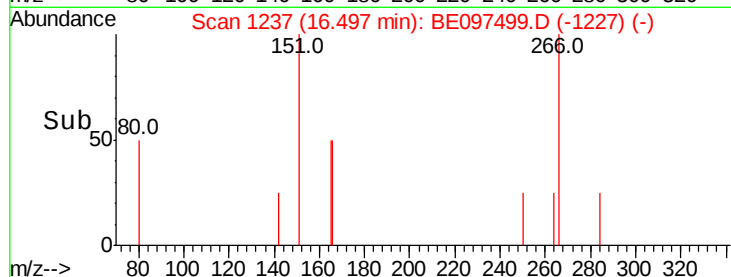
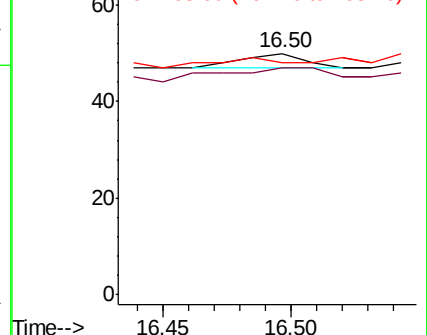
268 96.0 73.8 110.6



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: 0.008 ng

RT: 16.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

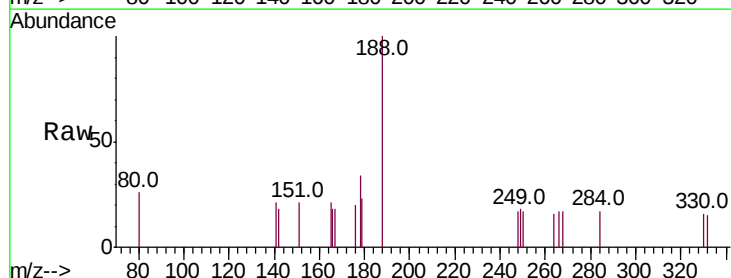
Tgt Ion:178 Resp: 124

Ion Ratio Lower Upper

178 100

176 29.8 15.1 22.7#

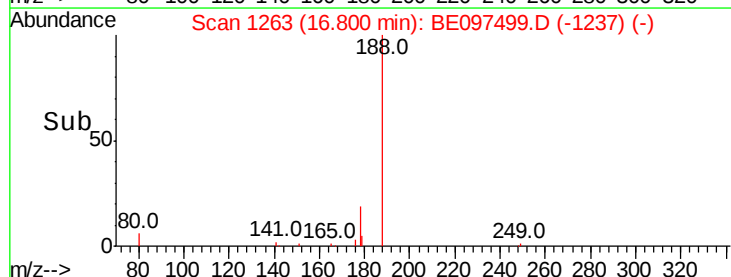
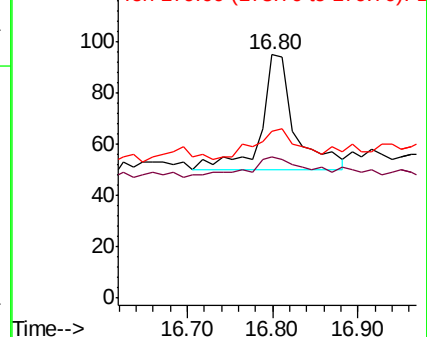
179 33.9 11.8 17.6#

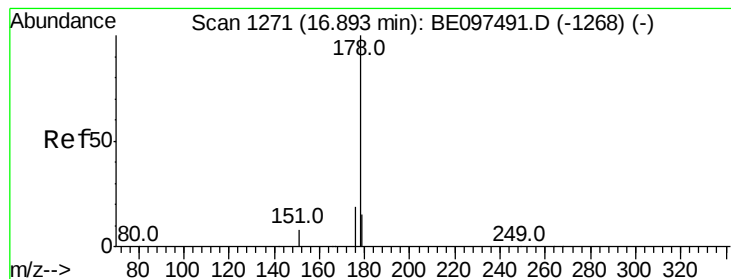


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.001 ng

RT: 16.92 min Scan# 1273

Delta R.T. 0.02 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

Instrument :

BNA_E

ClientSampleId :

FB-091118

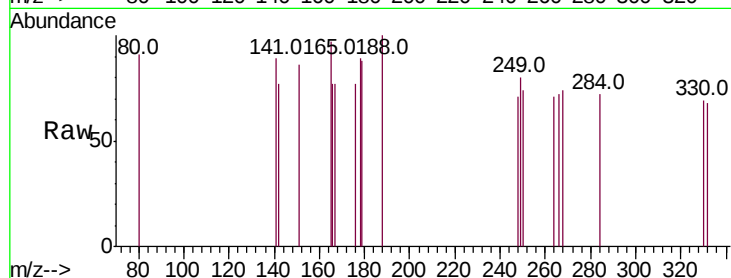
Tot Ion:178 Resp: 7

Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

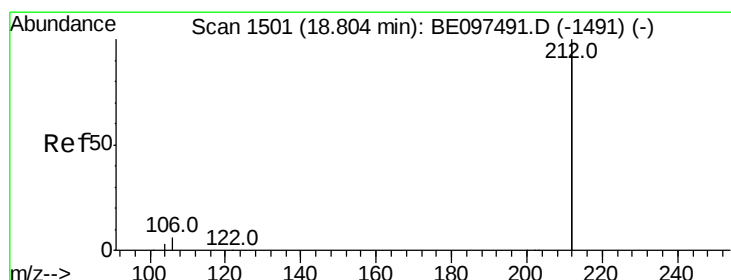
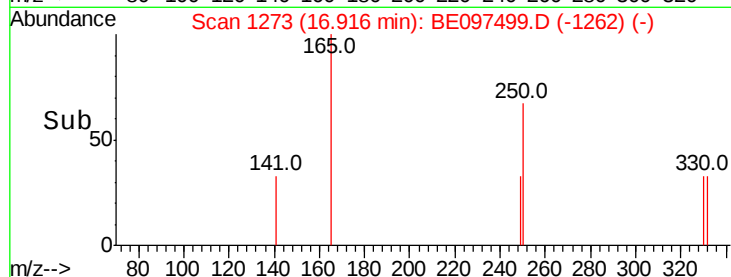
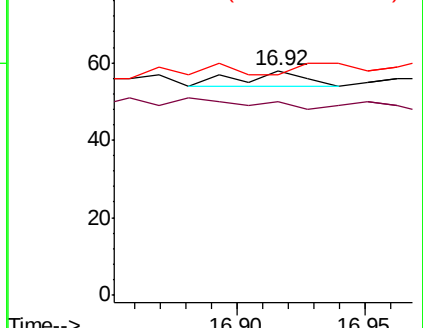
179 71.4 13.0 19.6#



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: 0.538 ng

RT: 18.81 min Scan# 1502

Delta R.T. 0.01 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

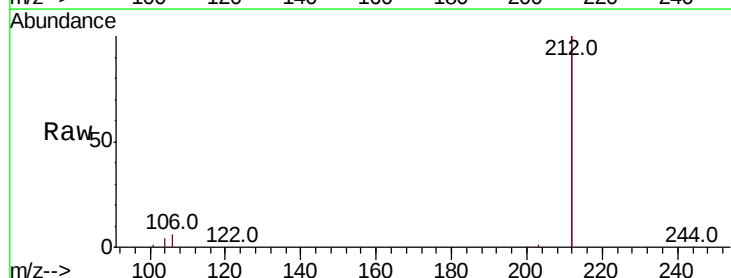
Tgt Ion:212 Resp: 41413

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

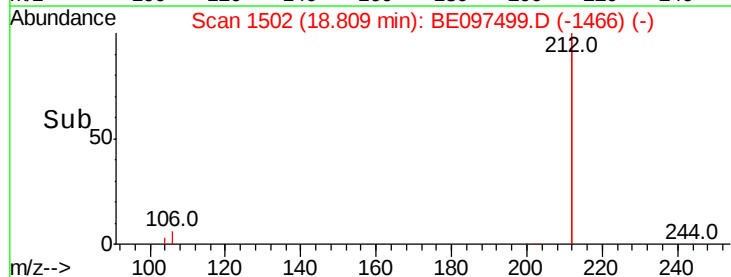
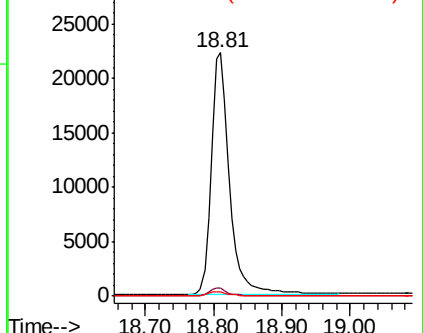
104 1.7 1.6 2.4

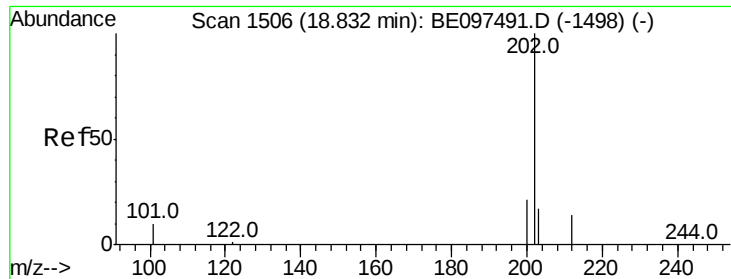


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

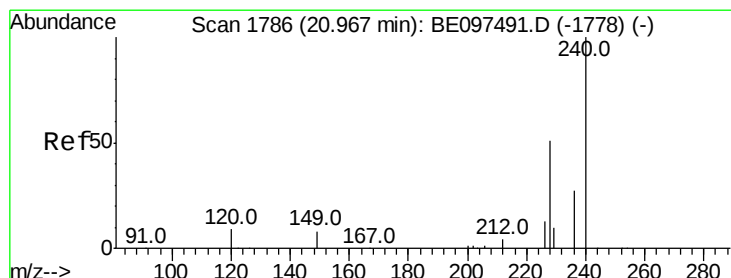
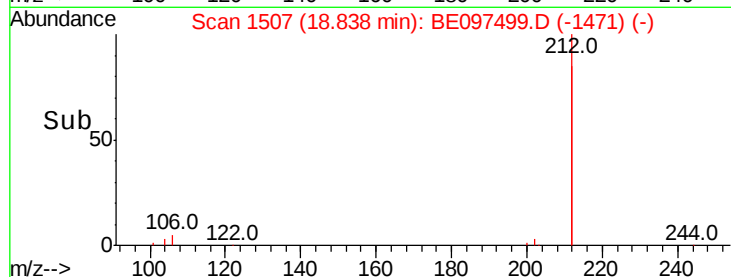
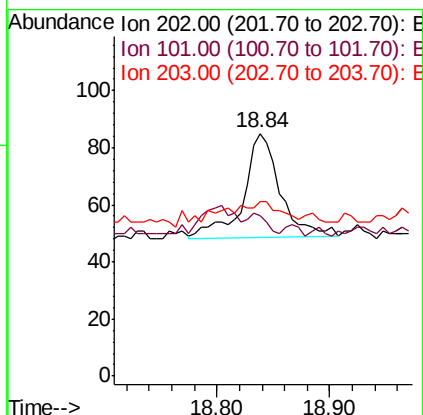
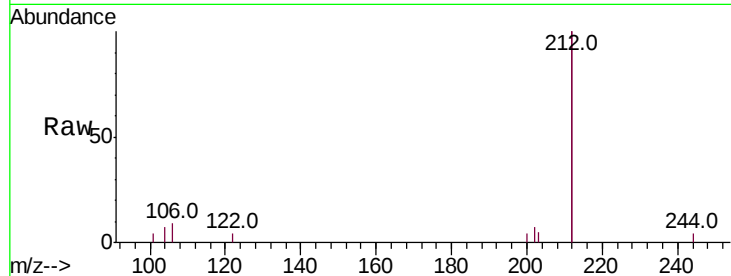




#26
Fluoranthene
Concen: 0.004 ng
RT: 18.84 min Scan# 1507
Delta R.T. 0.01 min
Lab File: BE097499.D
Acq: 17 Sep 2018 17:07

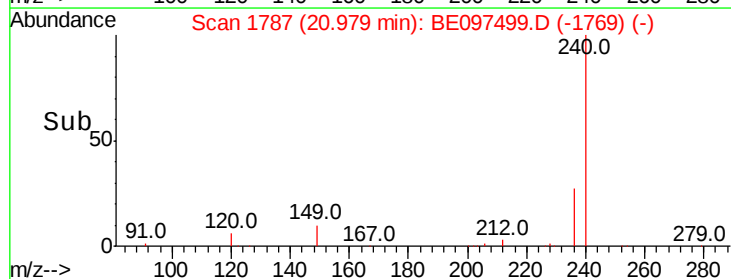
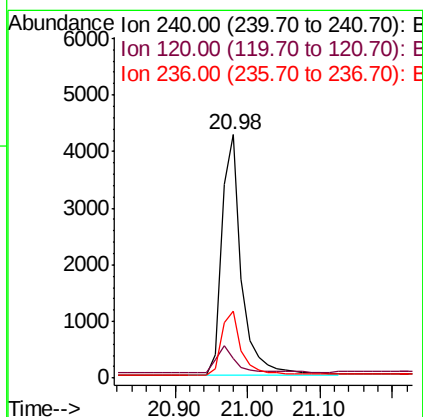
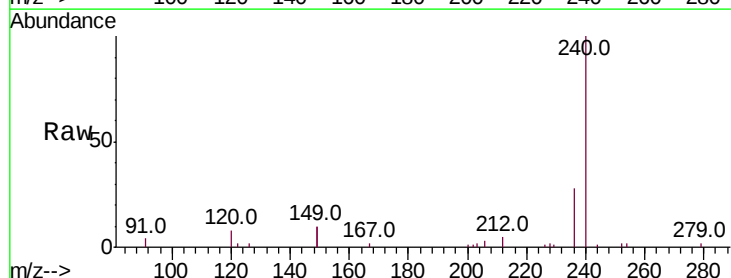
Instrument :
BNA_E
ClientSampleId :
FB-091118

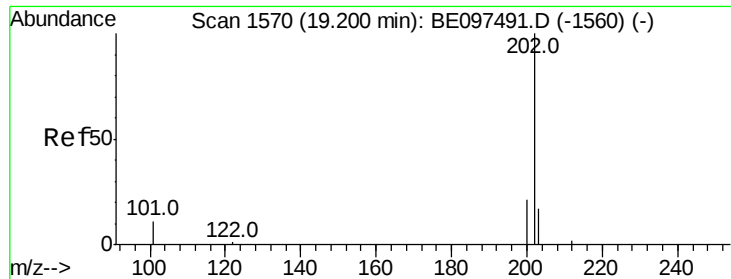
Tot Ion:202 Resp: 84
Ion Ratio Lower Upper
202 100
101 0.0 9.8 14.8#
203 28.6 13.7 20.5#



#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1787
Delta R.T. 0.01 min
Lab File: BE097499.D
Acq: 17 Sep 2018 17:07

Tgt Ion:240 Resp: 8131
Ion Ratio Lower Upper
240 100
120 8.1 5.5 8.3
236 27.6 20.7 31.1





#28

Pvrene

Concen: 0.003 ng

RT: 19.21 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

Instrument :

BNA_E

ClientSampleId :

FB-091118

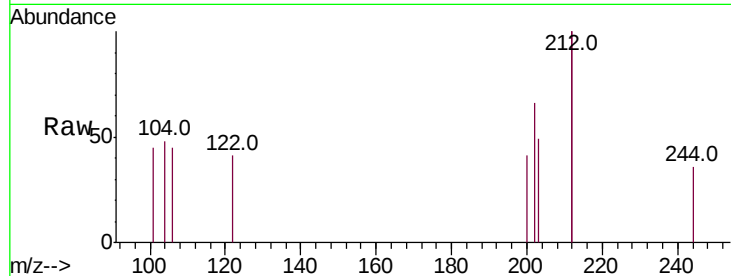
Tot Ion:202 Resp: 69

Ion Ratio Lower Upper

202 100

200 21.7 16.6 25.0

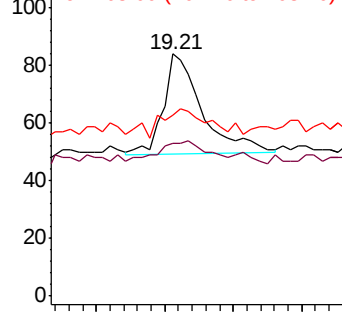
203 30.4 13.8 20.8#



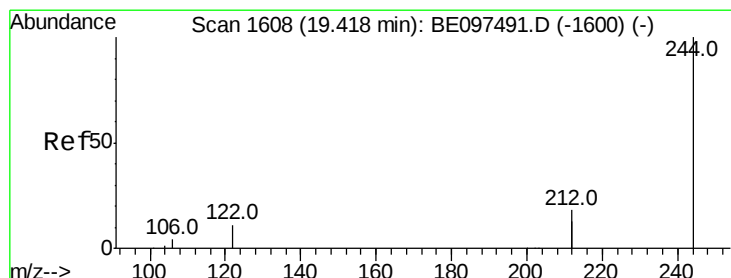
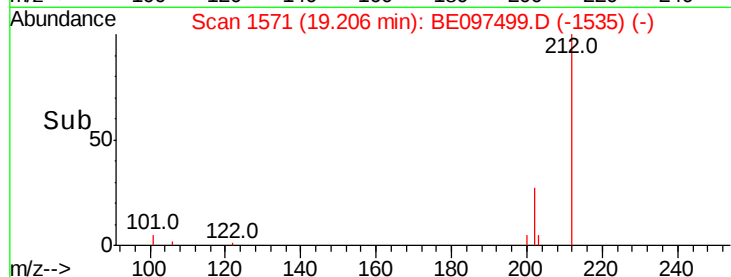
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#29

Terphenyl-d14

Concen: 0.527 ng

RT: 19.42 min Scan# 1608

Delta R.T. 0.00 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

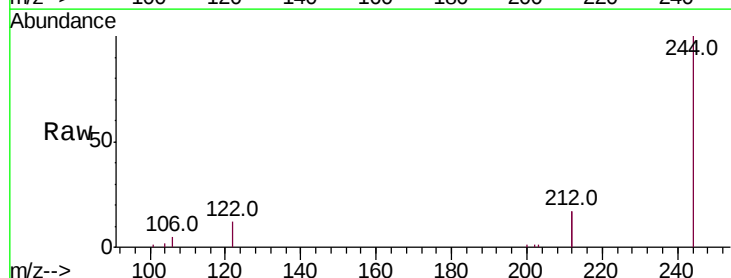
Tgt Ion:244 Resp: 8195

Ion Ratio Lower Upper

244 100

212 33.1 25.4 38.0

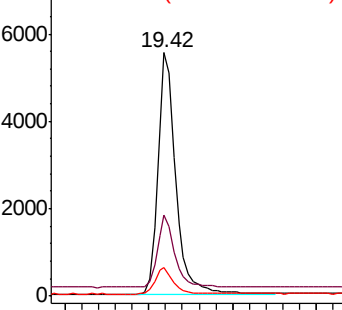
122 11.8 8.1 12.1



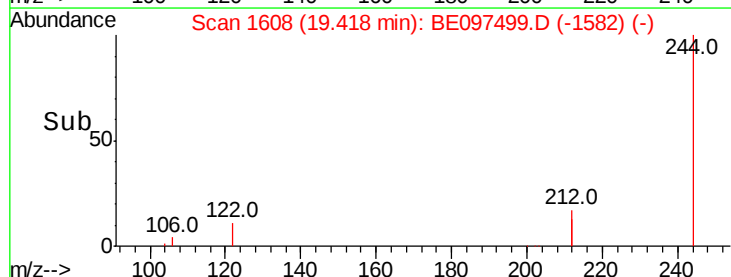
Abundance Ion 244.00 (243.70 to 244.70): E

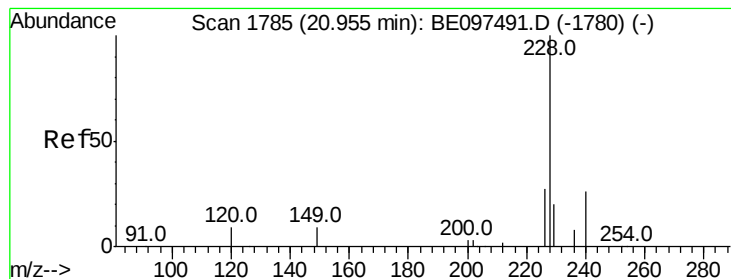
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#30

Benzo(a)anthracene

Concen: 0.003 ng

RT: 20.97 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

Instrument :

BNA_E

ClientSampled :

FB-091118

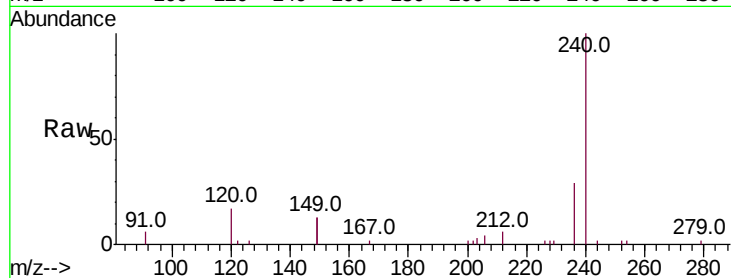
Tot Ion:228 Resp: 59

Ion Ratio Lower Upper

228 100

226 73.4 24.0 36.0#

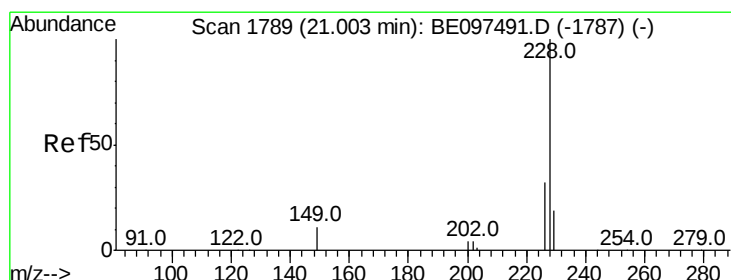
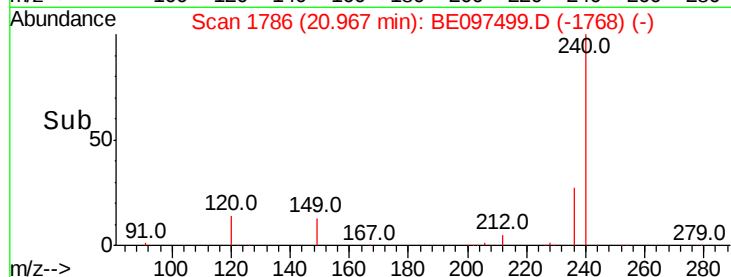
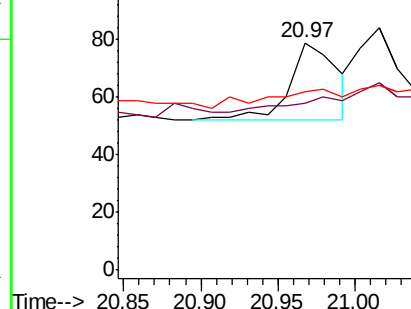
229 78.5 16.0 24.0#



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: 21.02 min Scan# 1790

Delta R.T. 0.01 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

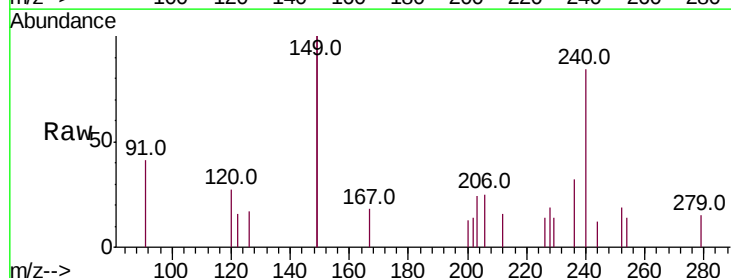
Tgt Ion:228 Resp: 49

Ion Ratio Lower Upper

228 100

226 77.4 24.0 36.0#

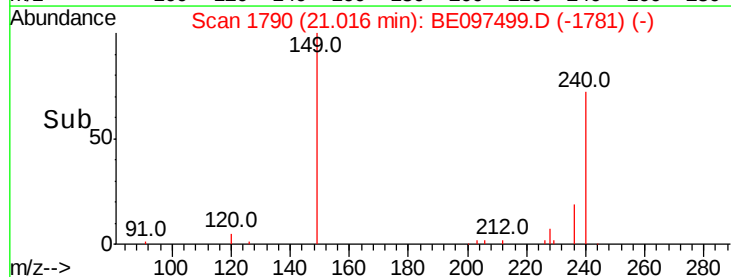
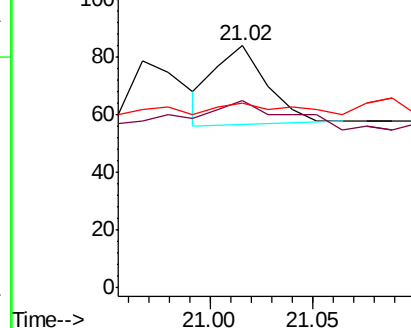
229 76.2 16.0 24.0#

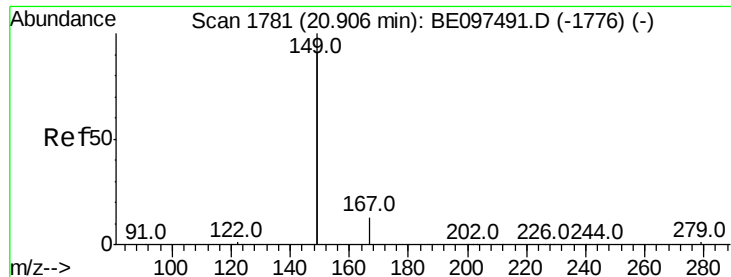


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.119 ng

RT: 20.91 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

Instrument :

BNA_E

ClientSampleId :

FB-091118

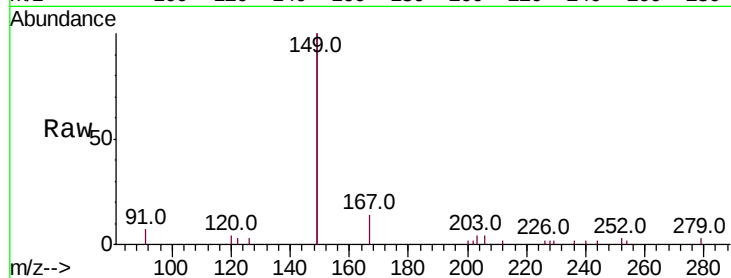
Tot Ion:149 Resp: 5400

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

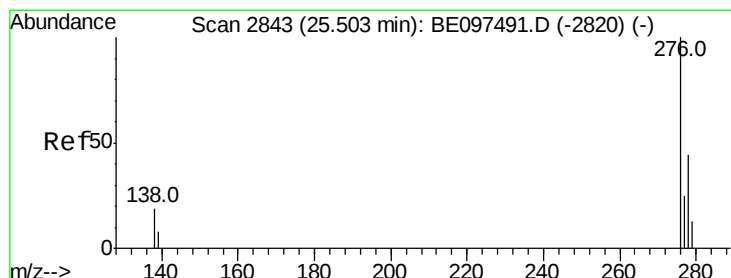
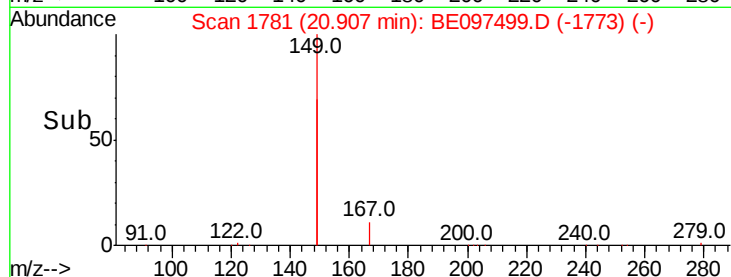
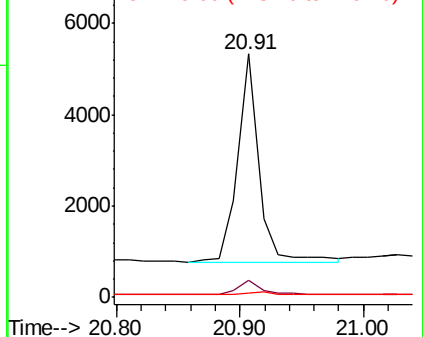
279 1.5 0.7 1.1#



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: 0.000 ng

RT: 25.51 min Scan# 2846

Delta R.T. 0.01 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

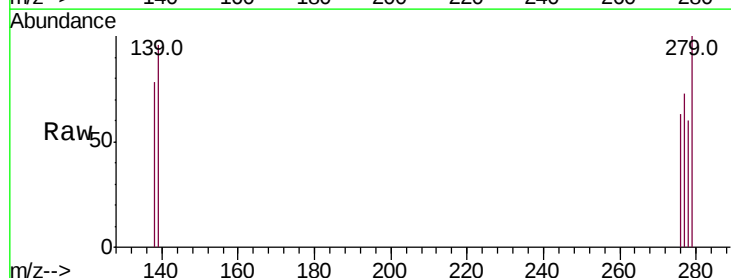
Tgt Ion:276 Resp: 4

Ion Ratio Lower Upper

276 100

138 0.0 22.5 33.7#

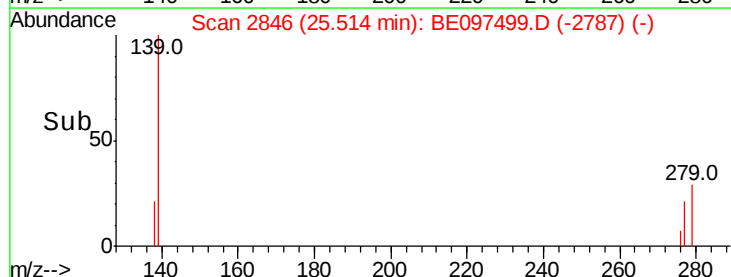
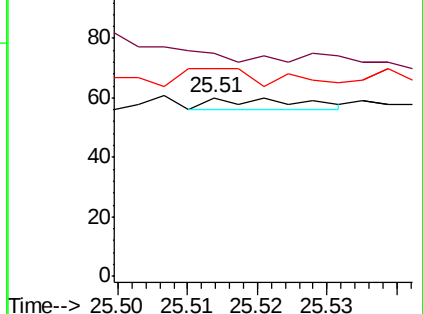
277 175.0 19.9 29.9#

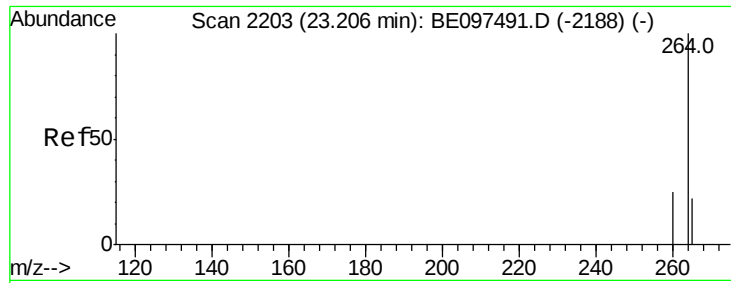


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

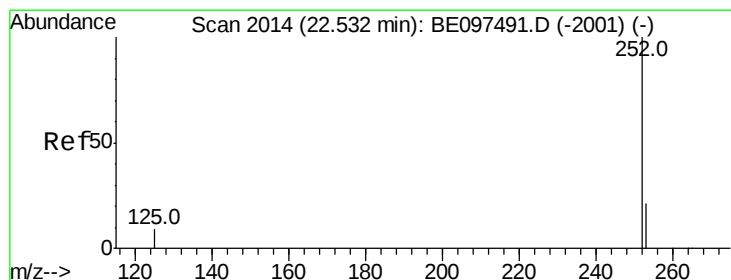
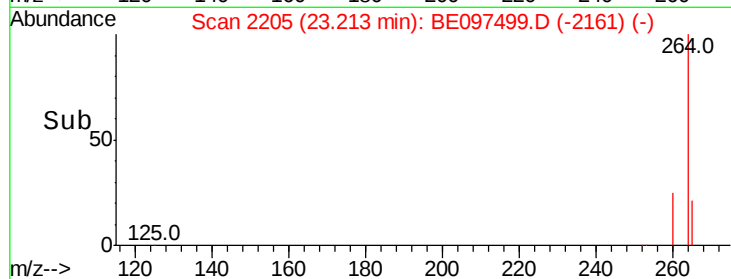
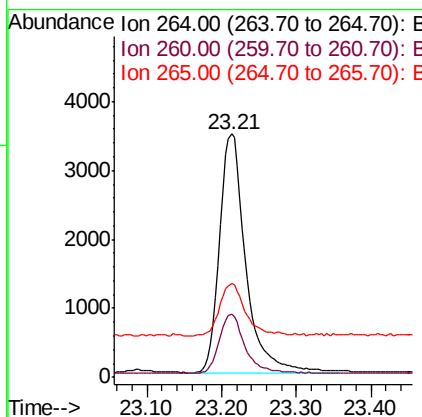
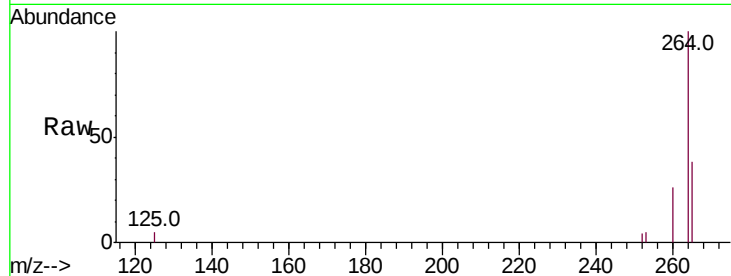




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BE097499.D
Acq: 17 Sep 2018 17:07

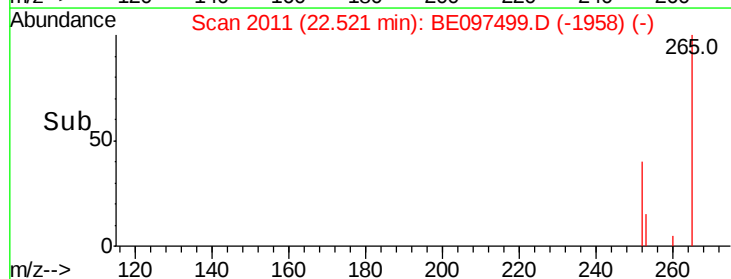
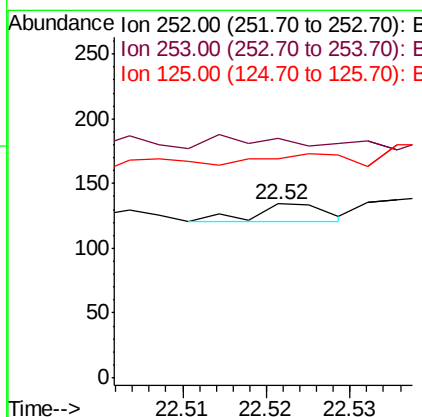
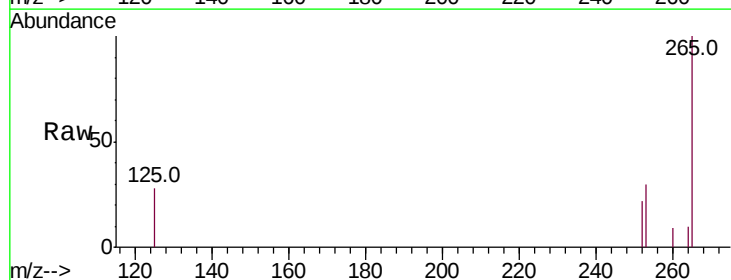
Instrument :
BNA_E
ClientSampleId :
FB-091118

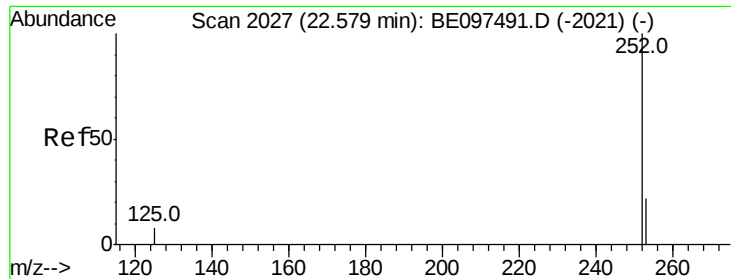
Tot Ion:264 Resp: 8405
Ion Ratio Lower Upper
264 100
260 26.0 20.5 30.7
265 38.3 22.8 34.2#



#35
Benzo(b)fluoranthene
Concen: 0.000 ng
RT: 22.52 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BE097499.D
Acq: 17 Sep 2018 17:07

Tgt Ion:252 Resp: 8
Ion Ratio Lower Upper
252 100
253 138.1 20.0 30.0#
125 126.1 16.0 24.0#





#36

Benzo(k)fluoranthene

Concen: 0.004 ng

RT: 22.56 min Scan# 2022

Delta R.T. -0.02 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

Instrument :

BNA_E

ClientSampleId :

FB-091118

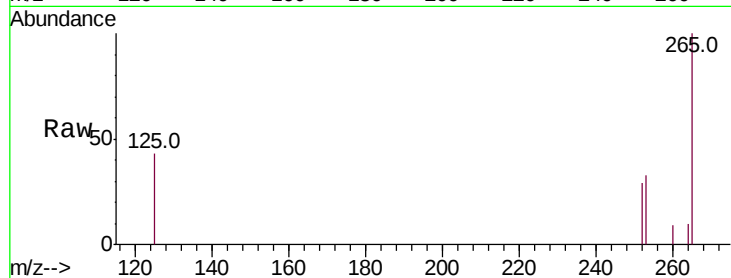
Tot Ion:252 Resp: 95

Ion Ratio Lower Upper

252 100

253 113.8 16.0 24.0#

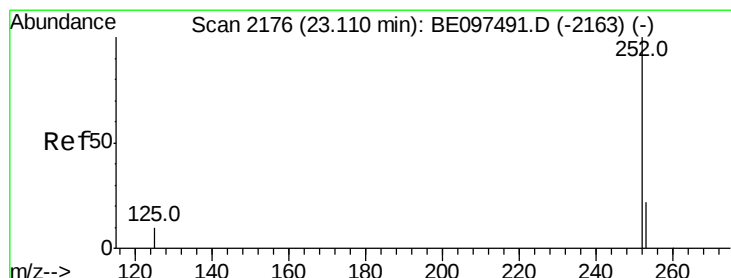
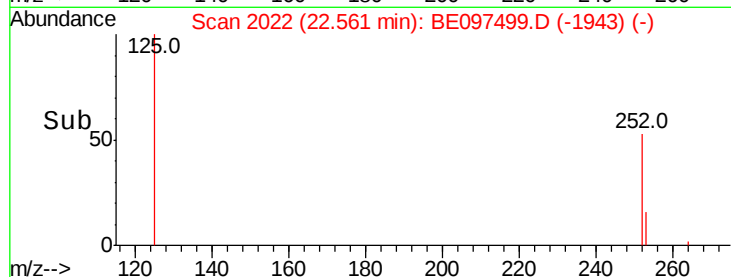
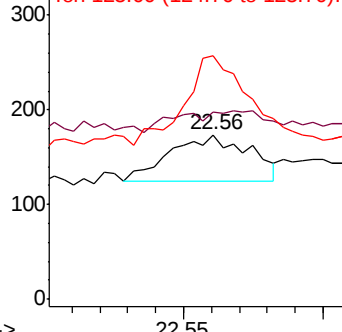
125 147.7 8.0 12.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(a)pyrene

Concen: 0.001 ng

RT: 23.12 min Scan# 2179

Delta R.T. 0.01 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

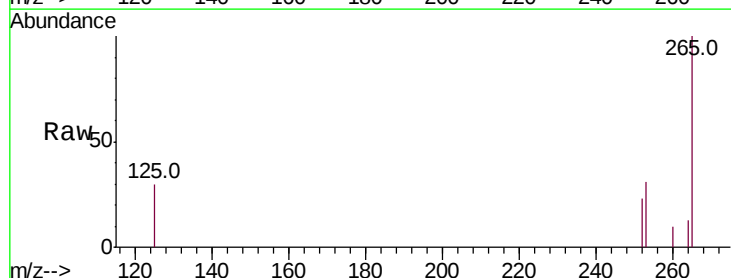
Tgt Ion:252 Resp: 17

Ion Ratio Lower Upper

252 100

253 133.1 16.0 24.0#

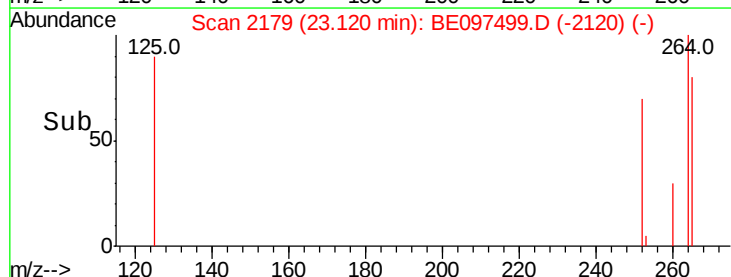
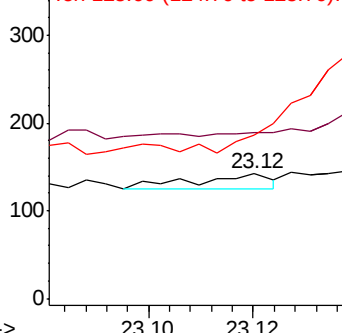
125 131.0 12.0 18.0#

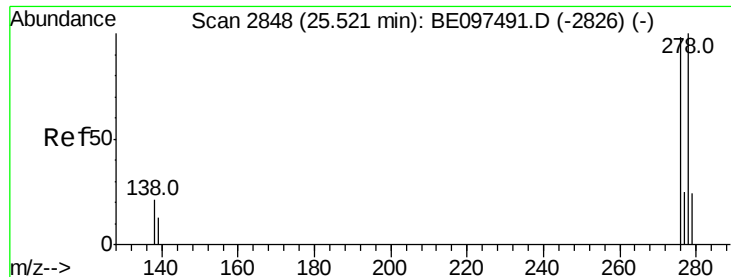


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.000 ng

RT: 25.52 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

Instrument :

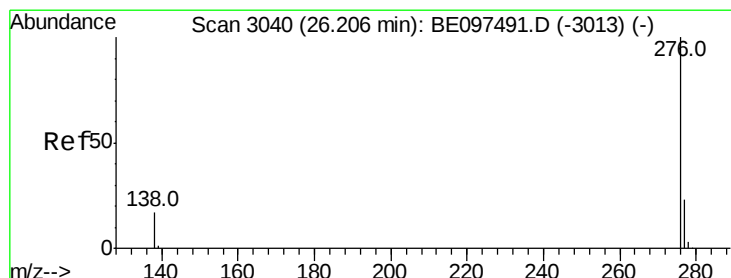
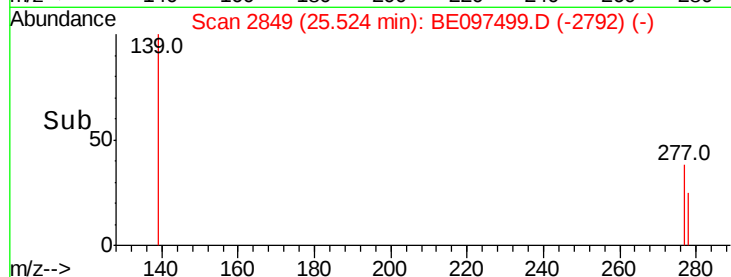
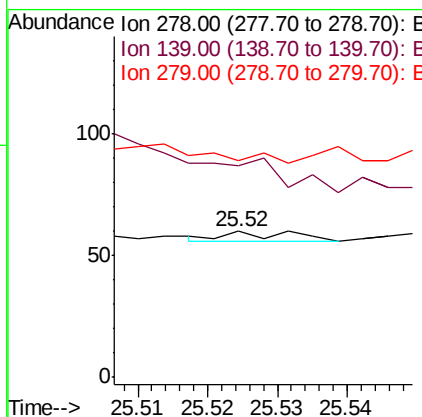
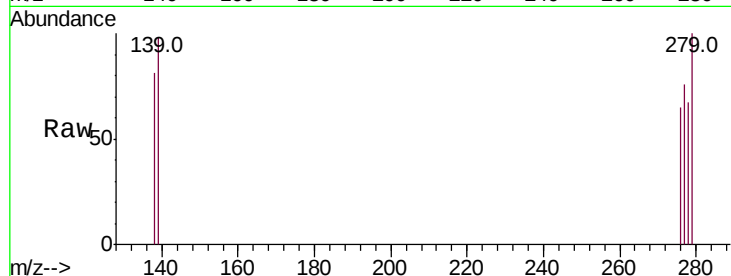
BNA_E

ClientSampleId :

FB-091118

Tot Ion:278 Resp: 3

Ion	Ratio	Lower	Upper
278	100		
139	145.0	16.0	24.0#
279	148.3	20.0	30.0#



#39

Benzo(g,h,i)perylene

Concen: 0.000 ng

RT: 26.23 min Scan# 3046

Delta R.T. 0.02 min

Lab File: BE097499.D

Acq: 17 Sep 2018 17:07

Tgt Ion:276 Resp: 5

Ion	Ratio	Lower	Upper
276	100		
277	101.6	16.0	24.0#
138	114.3	20.0	30.0#

