

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091718\
 Data File : BE097503.D
 Acq On : 17 Sep 2018 19:37
 Operator : SJ/JU
 Sample : J4892-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C-MW-06-091118

Quant Time: Sep 18 05:51:19 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	951	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4406	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2576	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	7283	0.40	ng	0.00
27) Chrysene-d12	20.97	240	9433	0.40	ng	0.00
34) Perylene-d12	23.21	264	9461	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	683	0.21	ng	0.00
5) Phenol-d6	6.60	99	506	0.12	ng	0.00
8) Nitrobenzene-d5	8.53	82	1574	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	2998	0.48	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	610	0.45	ng	-0.01
15) 2-Fluorobiphenyl	12.62	172	5368	0.60	ng	0.00
25) Fluoranthene-d10	18.80	212	46136	0.53	ng	0.00
29) Terphenyl-d14	19.42	244	11718	0.65	ng	0.00

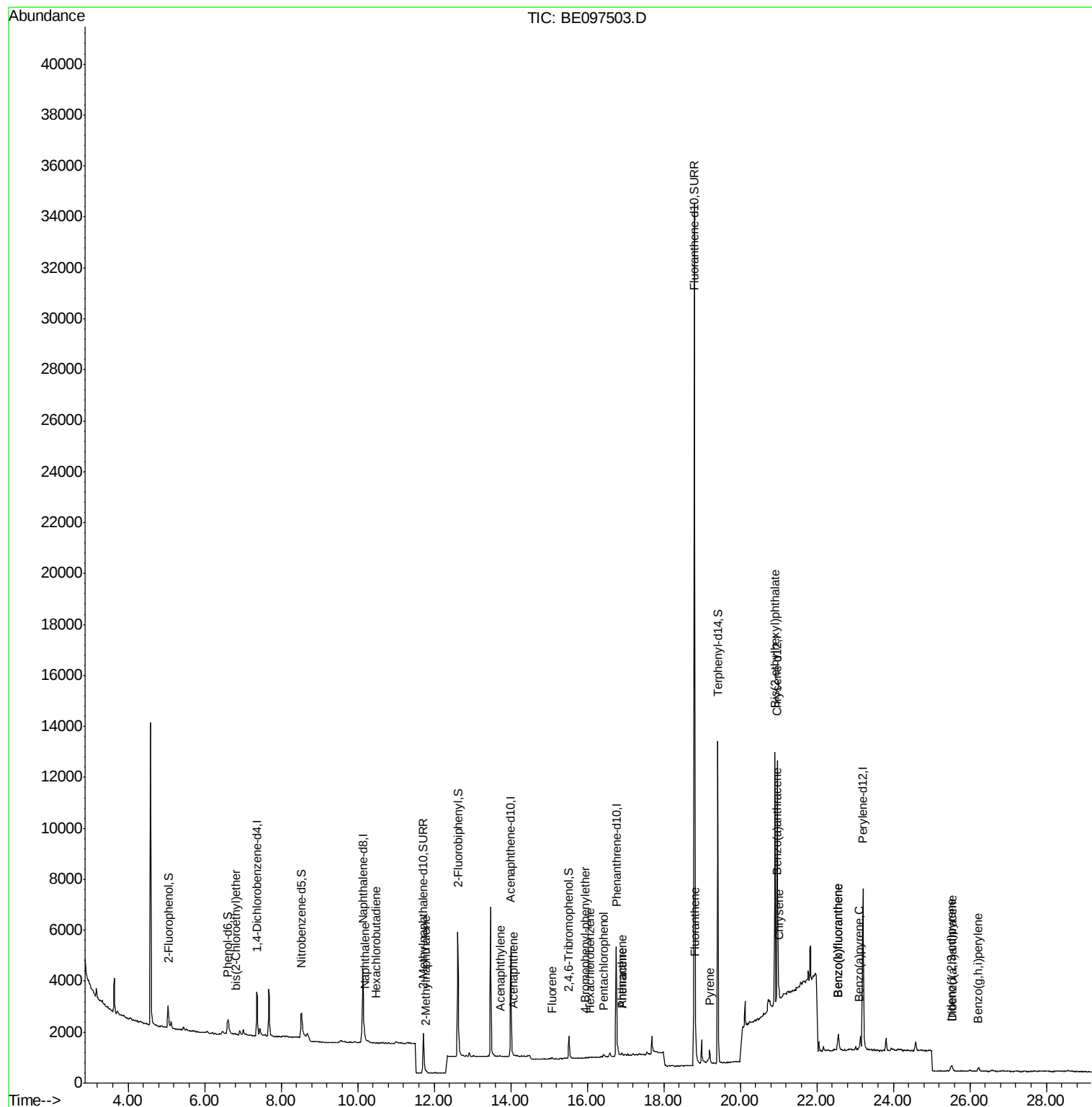
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	6.82	93	8	0.002	ng	# 16
9) Naphthalene	10.18	128	315	0.008	ng	# 62
10) Hexachlorobutadiene	10.47	225	12	0.006	ng	# 49
12) 2-Methylnaphthalene	11.79	142	39	0.006	ng	# 58
16) Acenaphthylene	13.73	152	21	0.002	ng	# 59
17) Acenaphthene	14.06	154	26	0.004	ng	# 81
18) Fluorene	15.08	166	58	0.007	ng	# 78
20) 4-Bromophenyl-phenylether	15.96	248	11	0.003	ng	# 49
21) Hexachlorobenzene	16.08	284	17	0.005	ng	# 72
22) Pentachlorophenol	16.43	266	130	0.305	ng	# 55
23) Phenanthrene	16.91	178	185	0.011	ng	# 96
24) Anthracene	16.91	178	171	0.011	ng	# 91
26) Fluoranthene	18.83	202	579	0.026	ng	# 93
28) Pyrene	19.20	202	540	0.022	ng	# 96
30) Benzo(a)anthracene	20.96	228	257	0.010	ng	# 43
31) Chrysene	21.00	228	370	0.015	ng	# 68
32) Bis(2-ethylhexyl)phthalate	20.91	149	11104	0.211	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.53	276	364	0.012	ng	# 68
35) Benzo(b)fluoranthene	22.54	252	523	0.022	ng	# 4
36) Benzo(k)fluoranthene	22.54	252	523	0.020	ng	# 1
37) Benzo(a)pyrene	23.11	252	222	0.009	ng	# 1
38) Dibenzo(a,h)anthracene	25.54	278	152	0.006	ng	# 1
39) Benzo(g,h,i)perylene	26.23	276	351	0.014	ng	# 31

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

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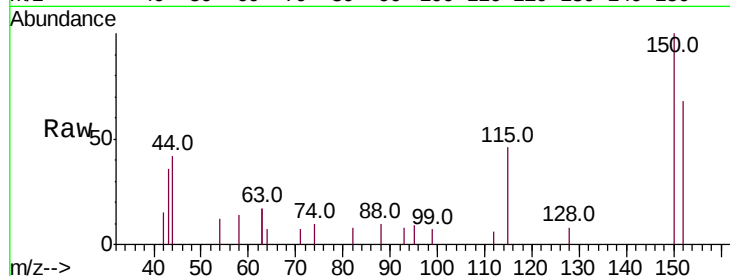


#1

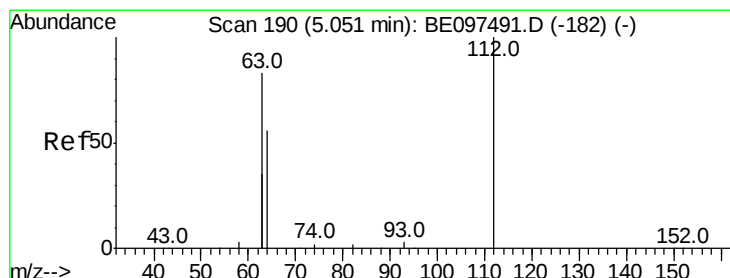
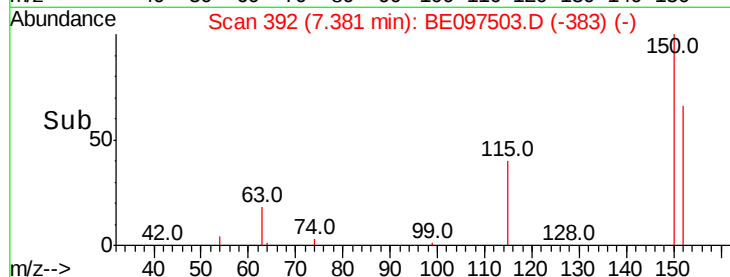
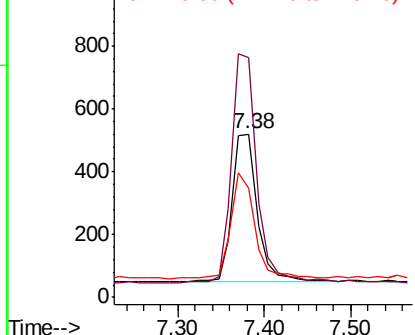
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. 0.00 min
Lab File: BE097503.D
Acq: 17 Sep 2018 19:37

Instrument :
BNA_E
ClientSampleId :
C-MW-06-091118

Tot Ion:152 Resp: 951
Ion Ratio Lower Upper
152 100
150 146.5 117.2 175.8
115 66.7 57.0 85.6



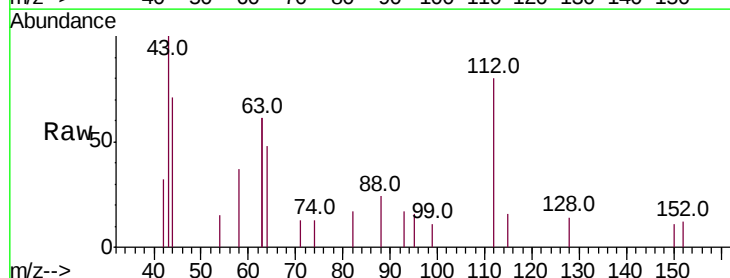
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



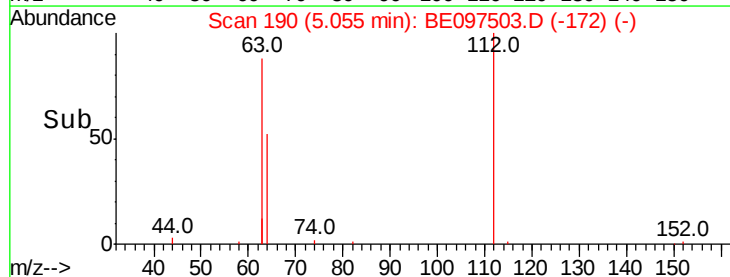
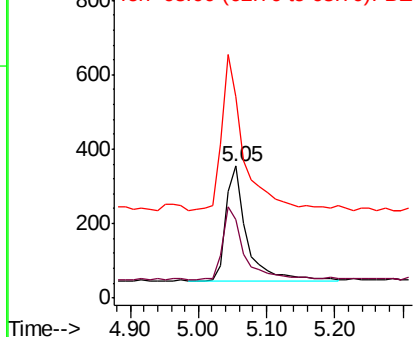
#4

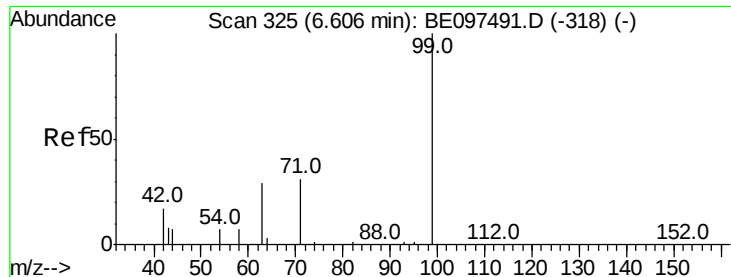
2-Fluorophenol
Concen: 0.212 ng
RT: 5.05 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE097503.D
Acq: 17 Sep 2018 19:37

Tgt Ion:112 Resp: 683
Ion Ratio Lower Upper
112 100
64 62.4 60.1 90.1
63 135.0 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.124 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.01 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

Instrument :

BNA_E

ClientSampleId :

C-MW-06-091118

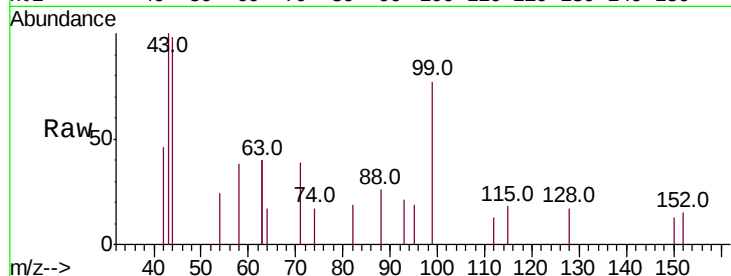
Tot Ion: 99 Resp: 506

Ion Ratio Lower Upper

99 100

42 24.7 20.2 30.2

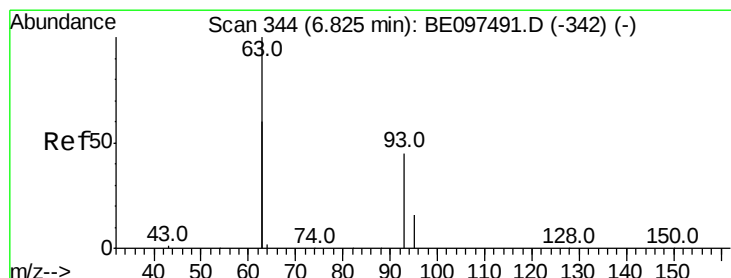
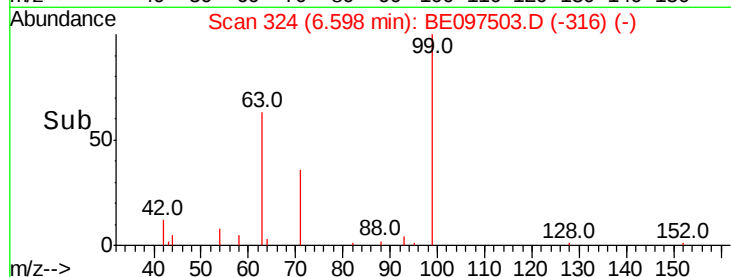
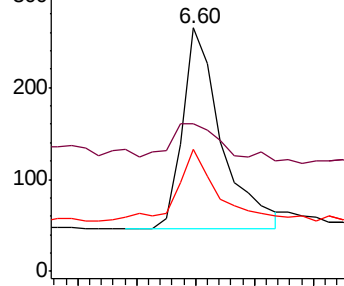
71 33.6 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.002 ng

RT: 6.82 min Scan# 343

Delta R.T. -0.01 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

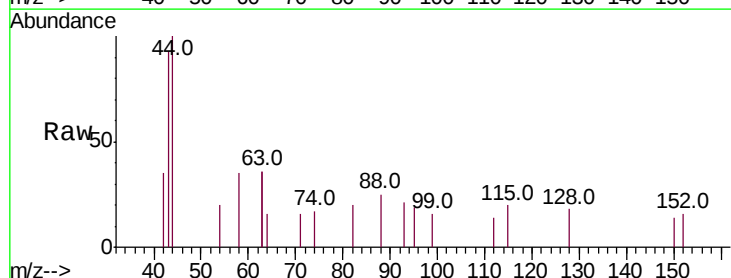
Tgt Ion: 93 Resp: 8

Ion Ratio Lower Upper

93 100

63 237.5 275.3 412.9#

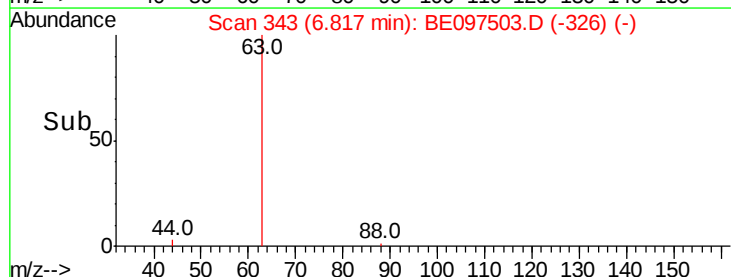
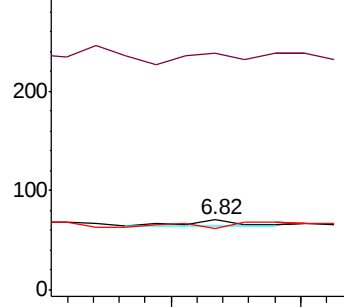
95 287.5 25.2 37.8#

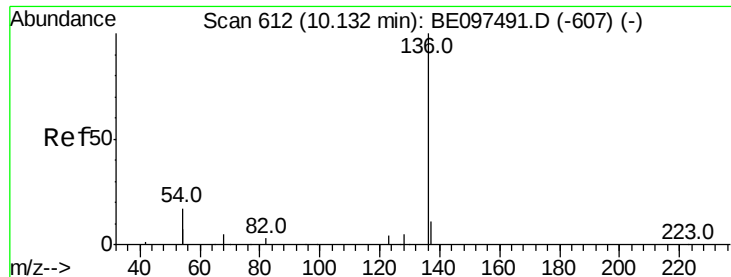


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

Instrument :

BNA_E

ClientSampleId :

C-MW-06-091118

Tot Ion:136 Resp: 4406

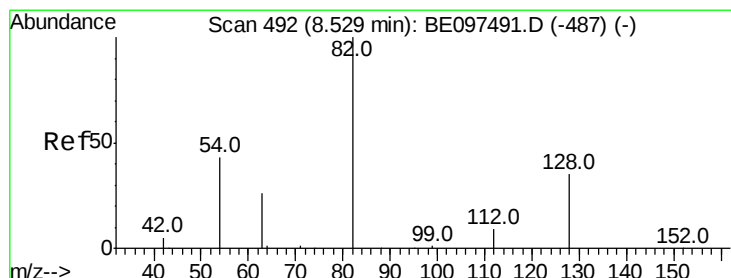
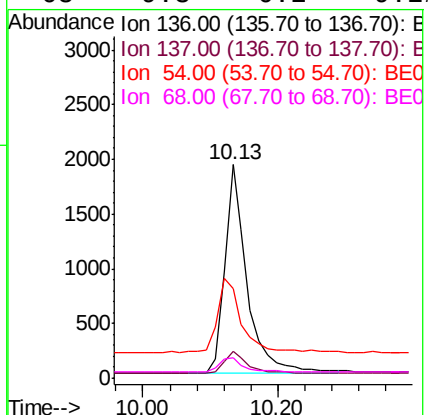
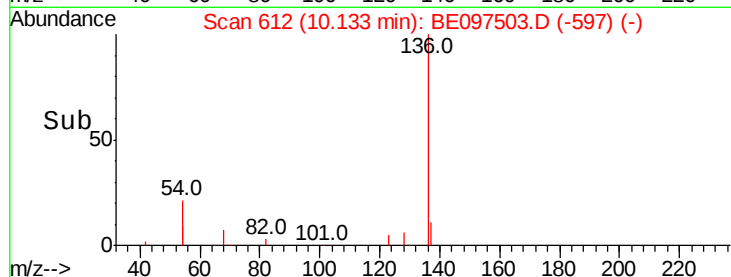
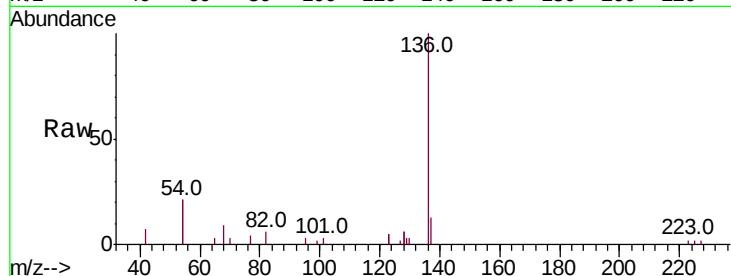
Ion Ratio Lower Upper

136 100

137 12.7 9.5 14.3

54 41.9 29.1 43.7

68 9.3 6.2 9.2#



#8

Nitrobenzene-d5

Concen: 0.444 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

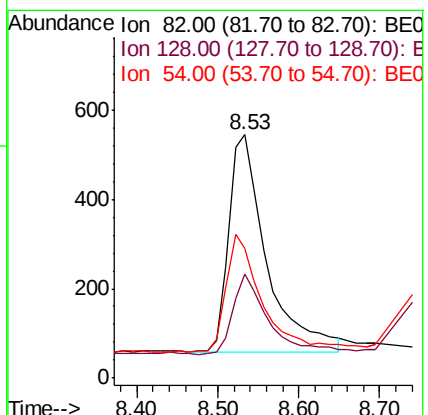
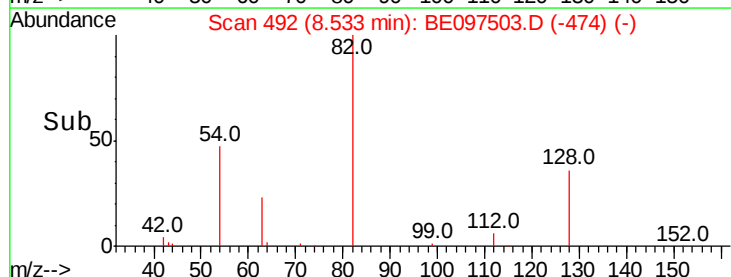
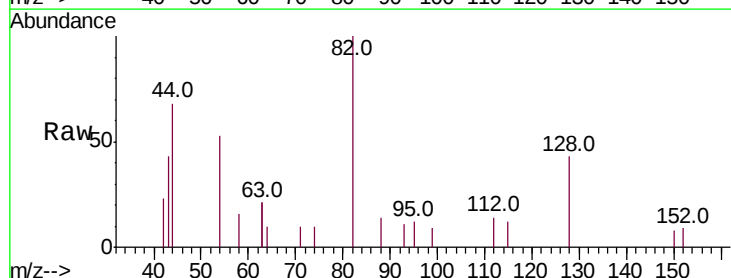
Tgt Ion: 82 Resp: 1574

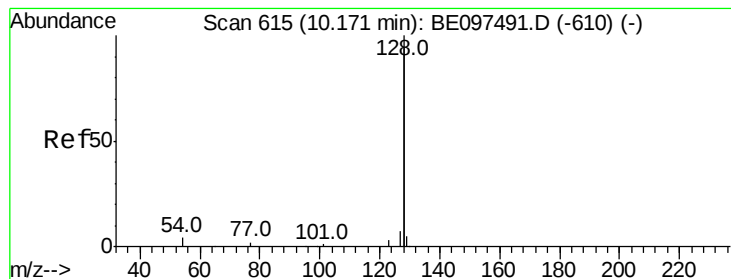
Ion Ratio Lower Upper

82 100

128 42.6 24.0 36.0#

54 53.5 40.0 60.0





#9

Naphthalene

Concen: 0.008 ng

RT: 10.18 min Scan# 616

Delta R.T. 0.01 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

Instrument :

BNA_E

ClientSampleId :

C-MW-06-091118

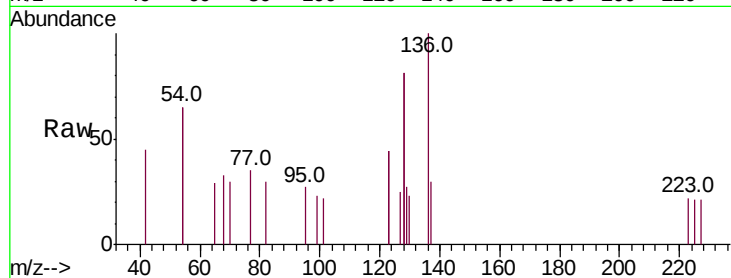
Tot Ion:128 Resp: 315

Ion Ratio Lower Upper

128 100

129 16.7 2.6 3.8#

127 15.2 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

10.18

400

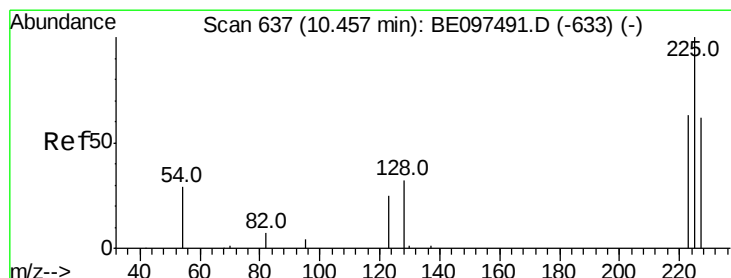
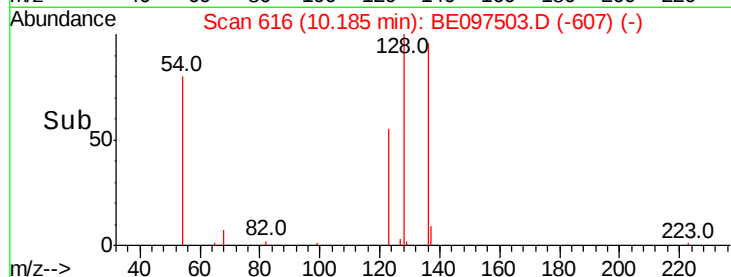
300

200

100

0

Time-->



#10

Hexachlorobutadiene

Concen: 0.006 ng

RT: 10.47 min Scan# 638

Delta R.T. 0.01 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

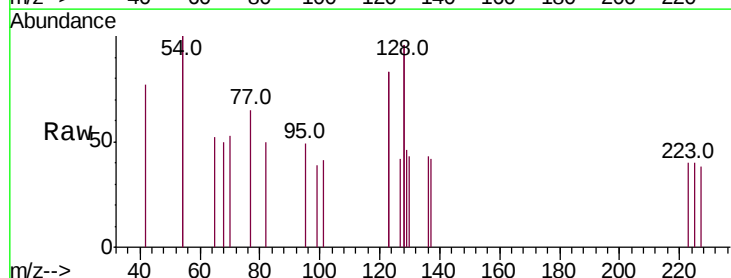
Tgt Ion:225 Resp: 12

Ion Ratio Lower Upper

225 100

223 33.3 53.0 79.6#

227 16.7 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

10.47

60

50

40

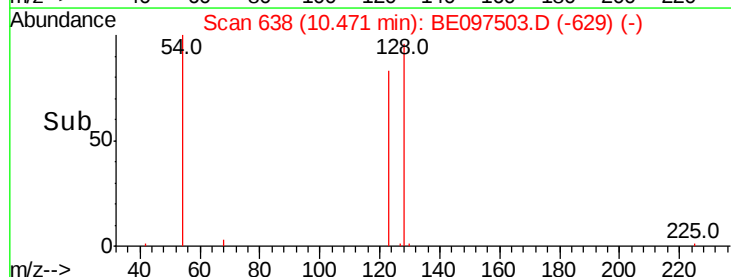
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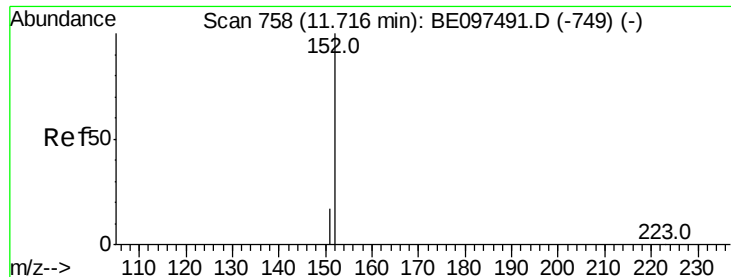
20

10

0

Time-->

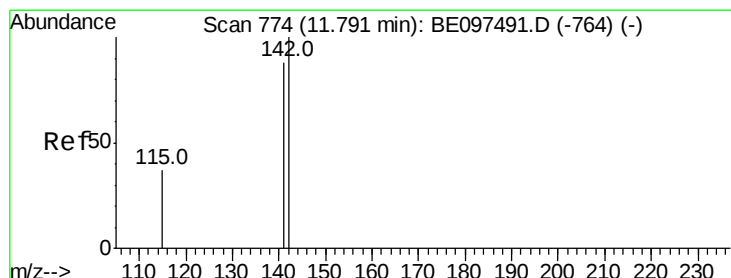
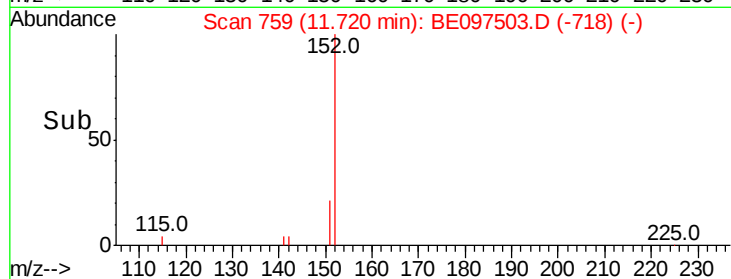
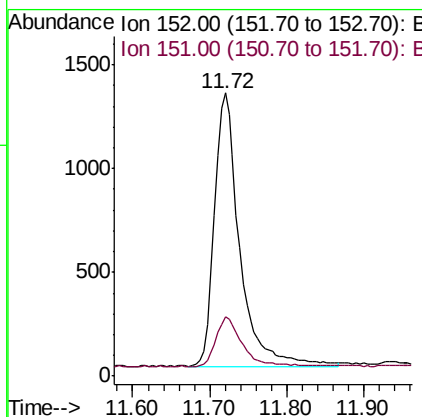
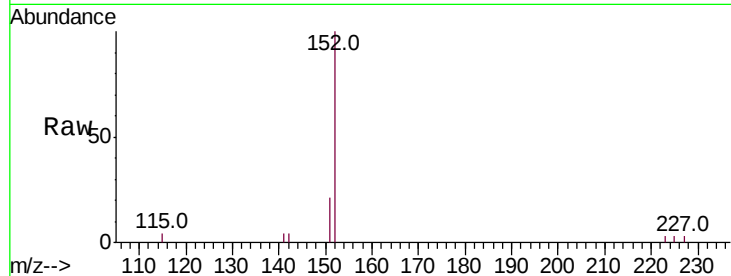




#11
 2-Methylnaphthalene-d10
 Concen: 0.476 ng
 RT: 11.72 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: BE097503.D
 Acq: 17 Sep 2018 19:37

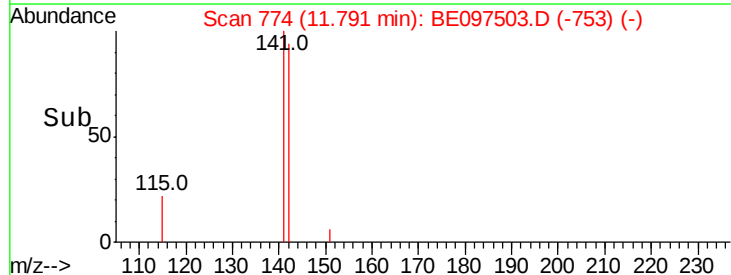
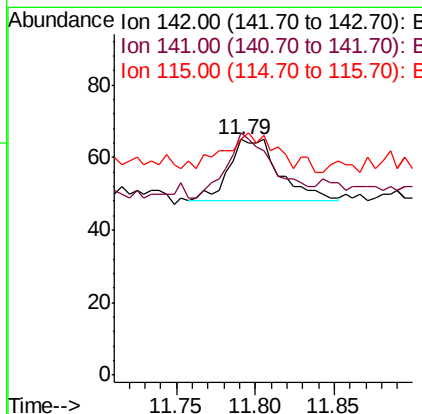
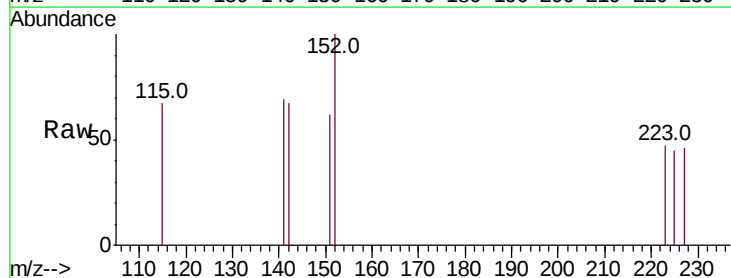
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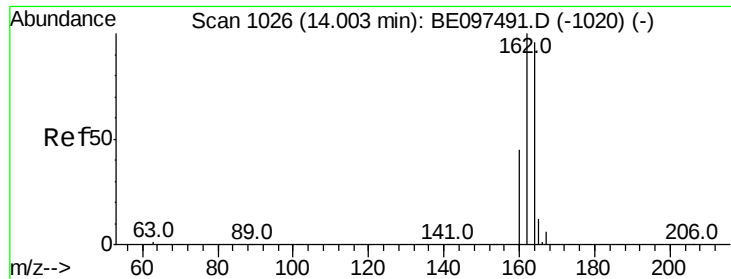
Tot Ion:152 Resp: 2998
 Ion Ratio Lower Upper
 152 100
 151 18.4 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.006 ng
 RT: 11.79 min Scan# 774
 Delta R.T. -0.00 min
 Lab File: BE097503.D
 Acq: 17 Sep 2018 19:37

Tgt Ion:142 Resp: 39
 Ion Ratio Lower Upper
 142 100
 141 103.1 70.4 105.6
 115 100.0 31.7 47.5#

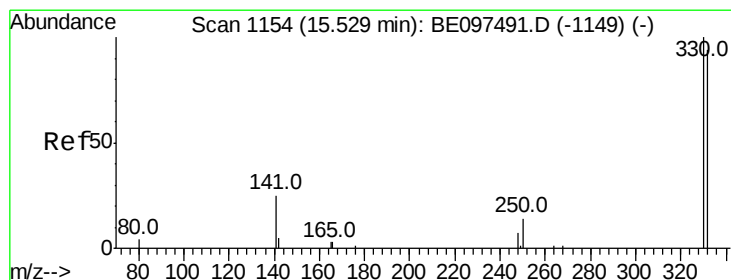
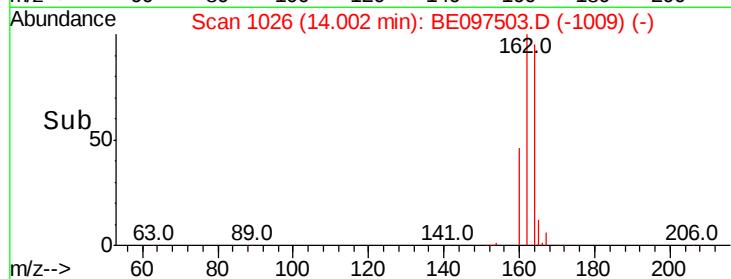
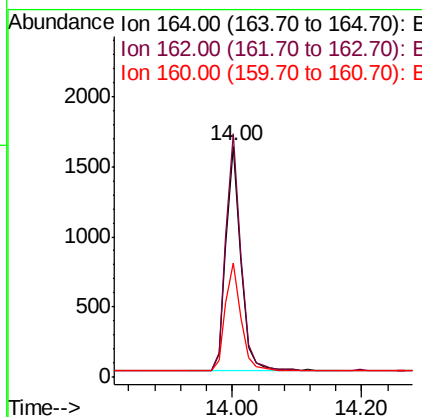
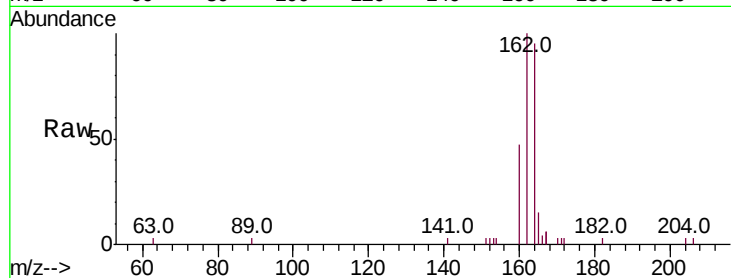




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1026
 Delta R.T. -0.00 min
 Lab File: BE097503.D
 Acq: 17 Sep 2018 19:37

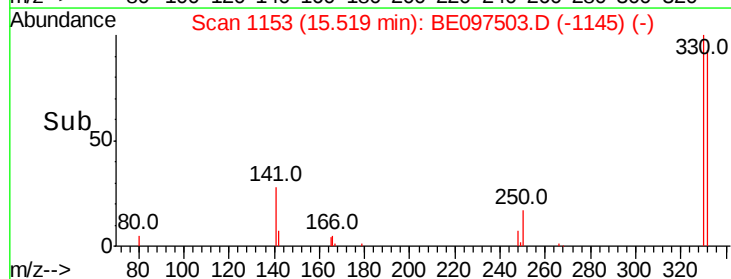
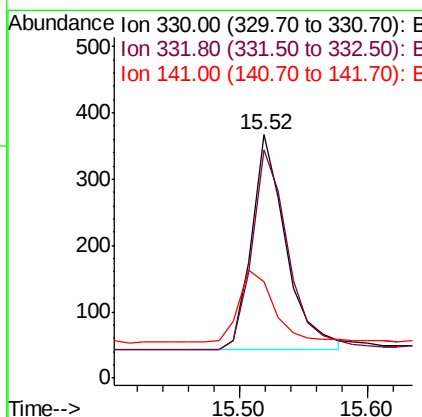
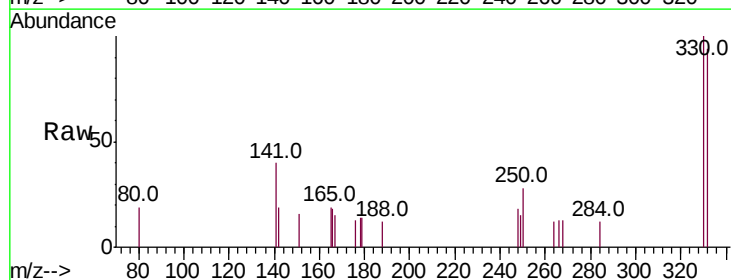
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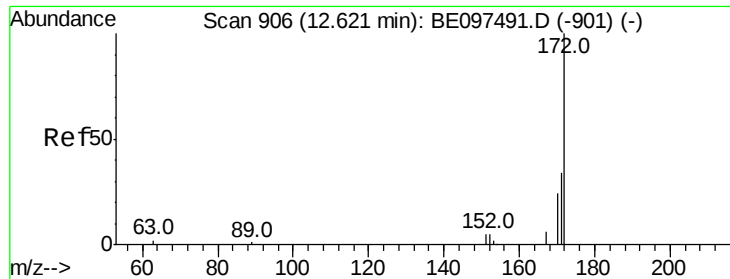
Tot Ion:164 Resp: 2576
 Ion Ratio Lower Upper
 164 100
 162 105.4 83.1 124.7
 160 49.6 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.448 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BE097503.D
 Acq: 17 Sep 2018 19:37

Tgt Ion:330 Resp: 610
 Ion Ratio Lower Upper
 330 100
 332 97.5 152.7 229.1#
 141 34.9 33.7 50.5

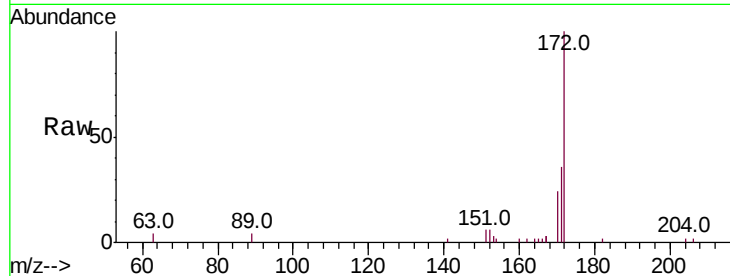




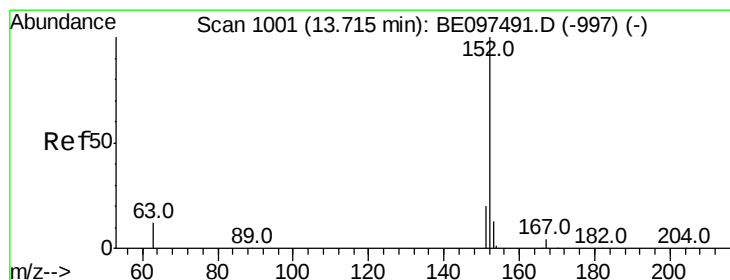
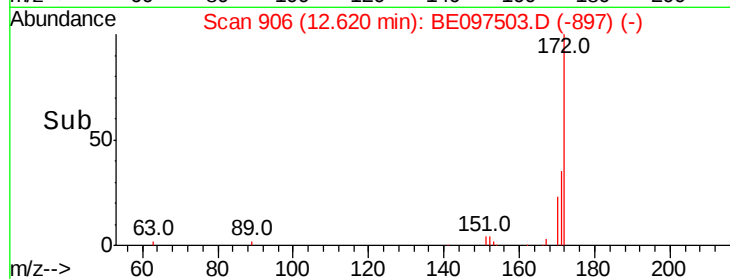
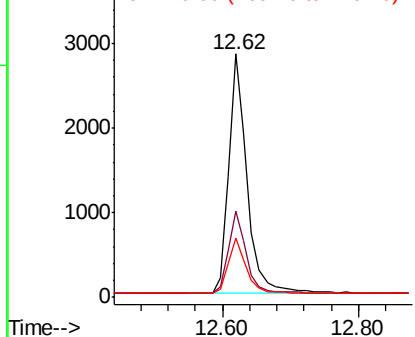
#15
2-Fluorobiphenyl
Concen: 0.597 ng
RT: 12.62 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097503.D
Acq: 17 Sep 2018 19:37

Instrument :
BNA_E
ClientSampleId :
C-MW-06-091118

Tot Ion:172 Resp: 5368
Ion Ratio Lower Upper
172 100
171 35.6 29.9 44.9
170 24.3 21.8 32.8

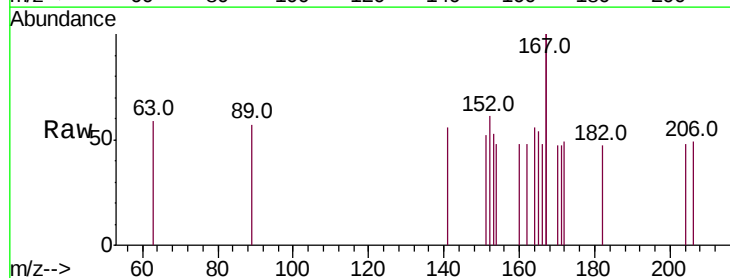


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

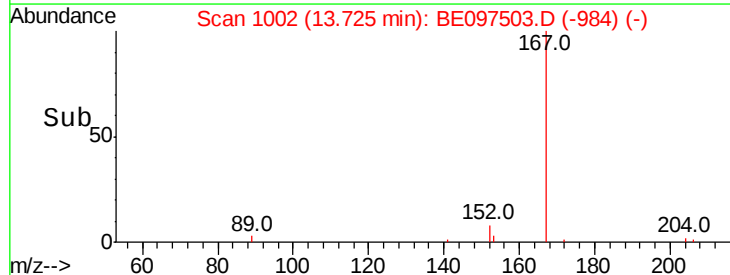
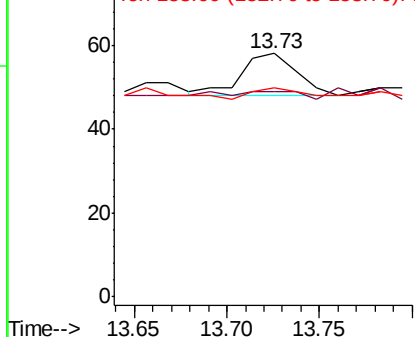


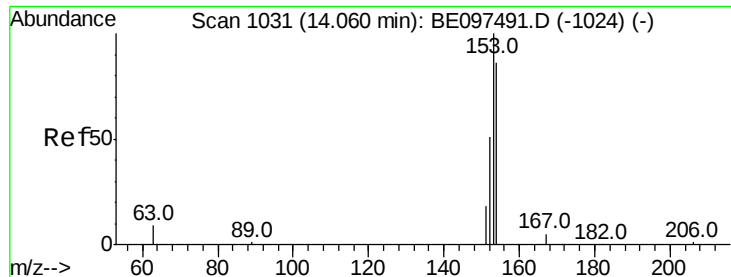
#16
Acenaphthylene
Concen: 0.002 ng
RT: 13.73 min Scan# 1002
Delta R.T. 0.01 min
Lab File: BE097503.D
Acq: 17 Sep 2018 19:37

Tgt Ion:152 Resp: 21
Ion Ratio Lower Upper
152 100
151 0.0 15.7 23.5#
153 28.6 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: 0.004 ng

RT: 14.06 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

Instrument :

BNA_E

ClientSampleId :

C-MW-06-091118

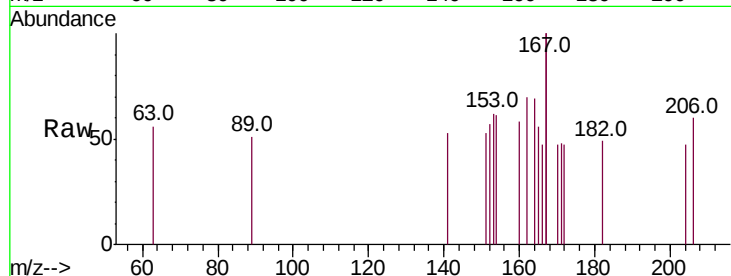
Tot Ion:154 Resp: 26

Ion Ratio Lower Upper

154 100

153 119.2 89.2 133.8

152 84.6 42.0 63.0#



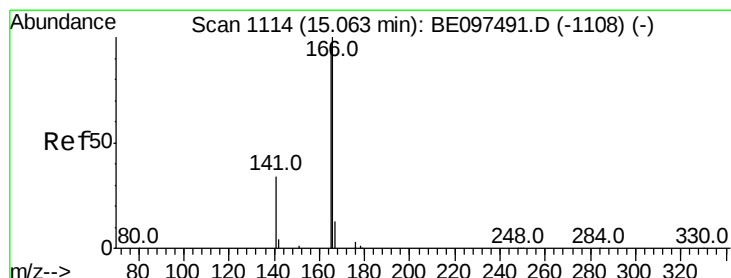
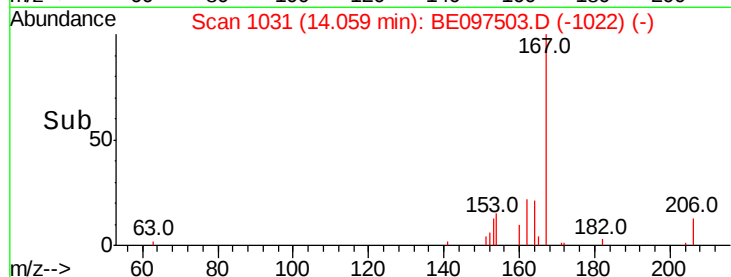
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

14.06

Time-->



#18

Fluorene

Concen: 0.007 ng

RT: 15.08 min Scan# 1115

Delta R.T. 0.01 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

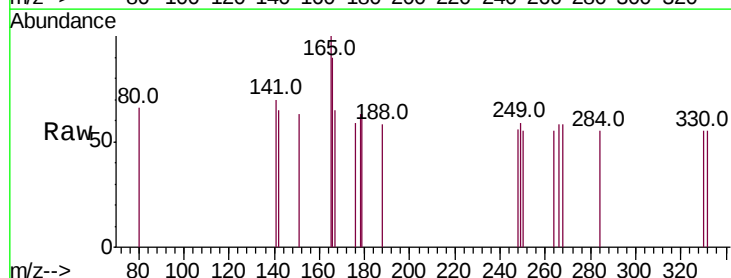
Tgt Ion:166 Resp: 58

Ion Ratio Lower Upper

166 100

165 117.2 77.8 116.6#

167 36.2 42.4 63.6#



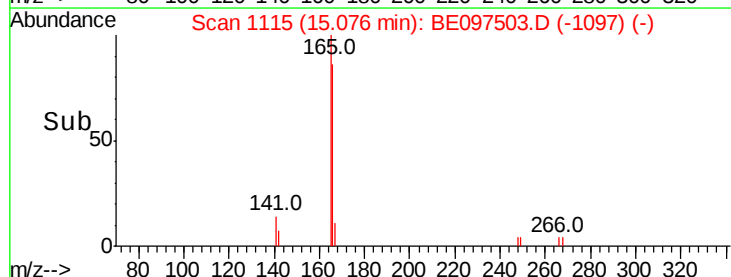
Abundance Ion 166.00 (165.70 to 166.70): E

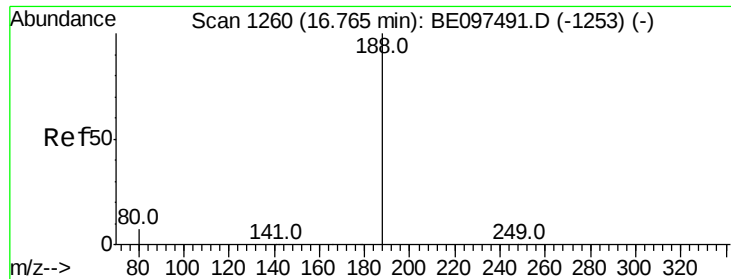
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.08

Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

Instrument :

BNA_E

ClientSampleId :

C-MW-06-091118

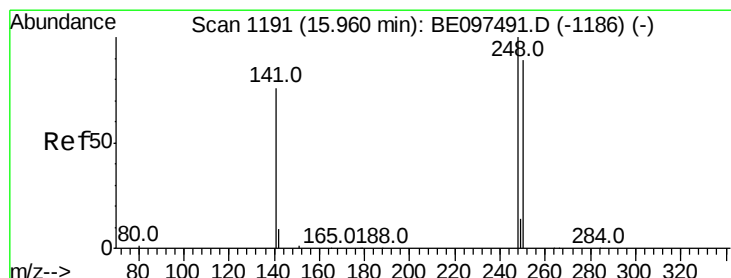
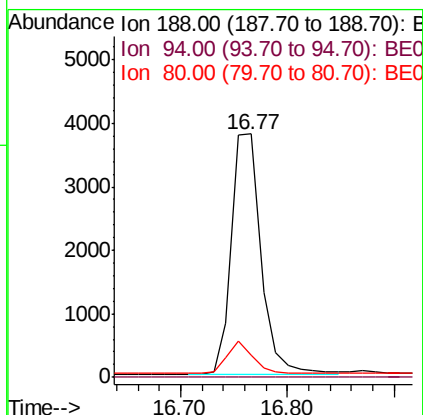
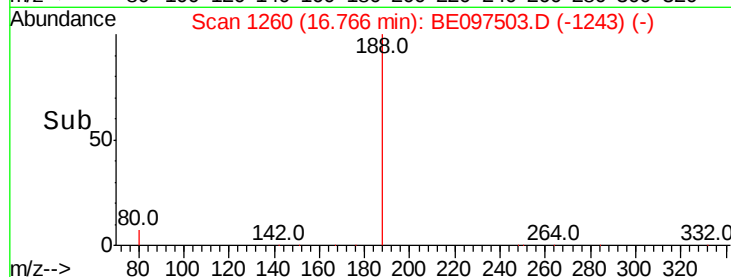
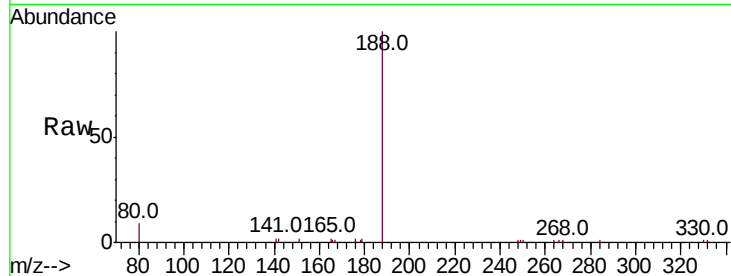
Tot Ion:188 Resp: 7283

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 9.1 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.003 ng

RT: 15.96 min Scan# 1191

Delta R.T. 0.00 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

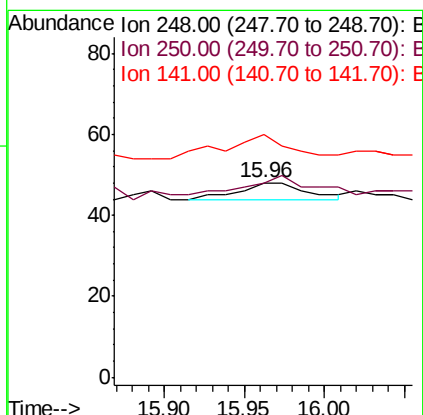
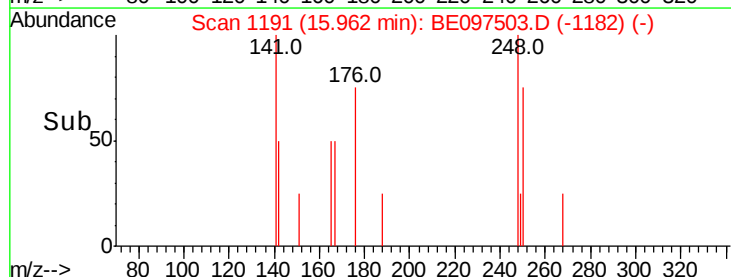
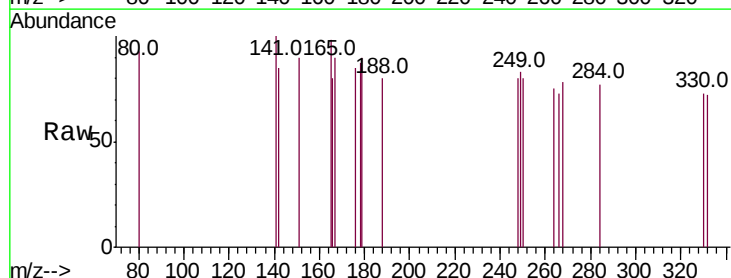
Tgt Ion:248 Resp: 11

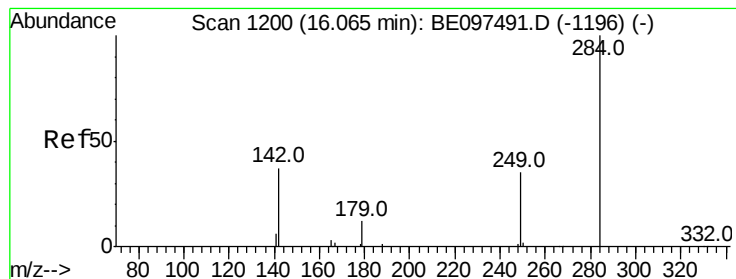
Ion Ratio Lower Upper

248 100

250 100.0 62.7 94.1#

141 125.0 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.005 ng

RT: 16.08 min Scan# 1201

Delta R.T. 0.01 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

Instrument :

BNA_E

ClientSampleId :

C-MW-06-091118

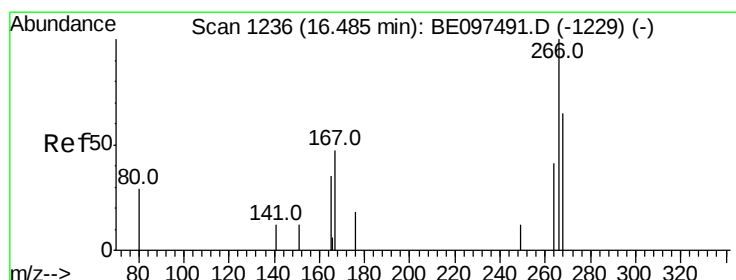
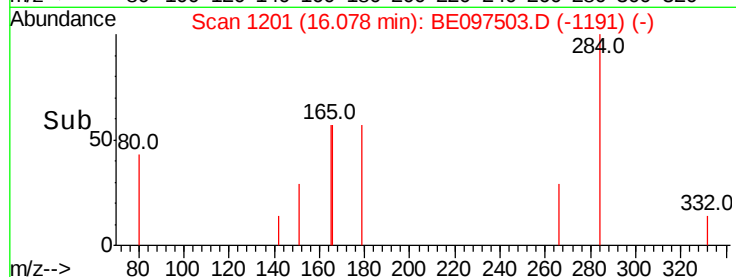
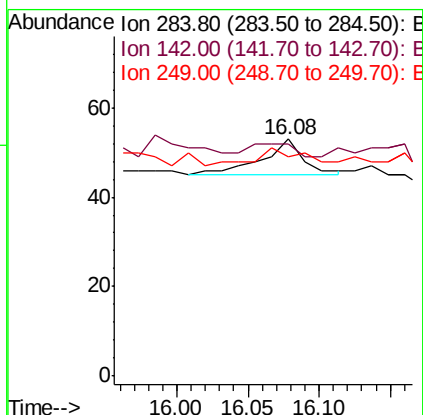
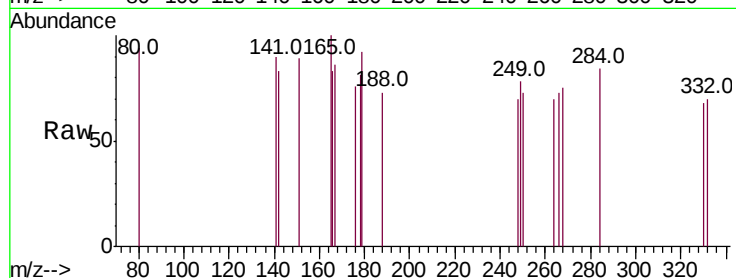
Tot Ion:284 Resp: 17

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

249 35.3 34.8 52.2



#22

Pentachlorophenol

Concen: 0.305 ng

RT: 16.43 min Scan# 1231

Delta R.T. -0.06 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

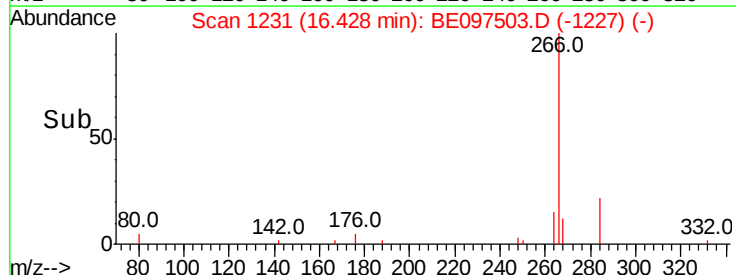
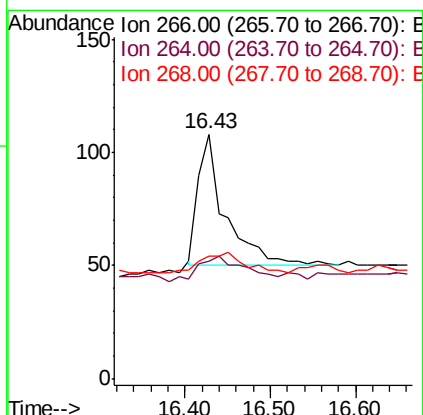
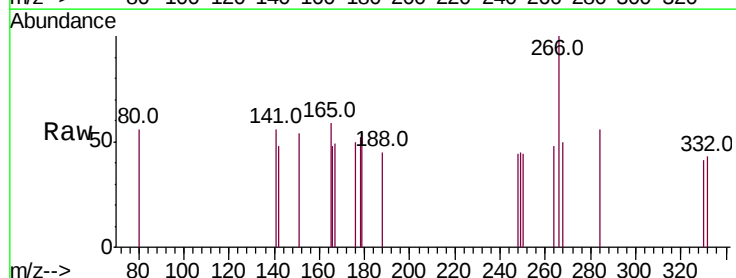
Tgt Ion:266 Resp: 130

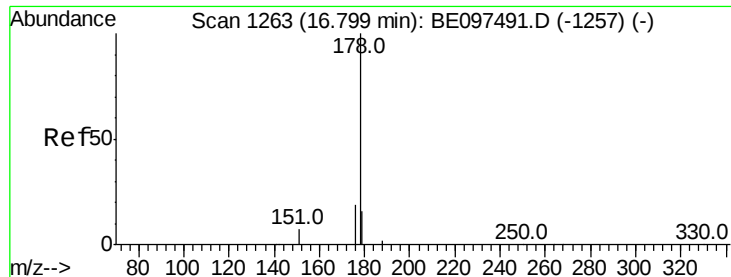
Ion Ratio Lower Upper

266 100

264 48.1 72.5 108.7#

268 50.0 73.8 110.6#





#23

Phenanthrene

Concen: 0.011 ng

RT: 16.91 min Scan# 1272

Delta R.T. 0.11 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

Instrument :

BNA_E

ClientSampleId :

C-MW-06-091118

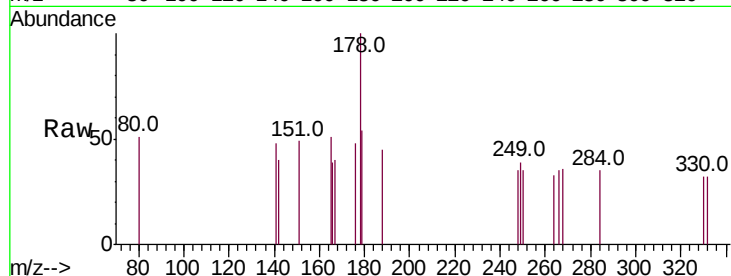
Tot Ion:178 Resp: 185

Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

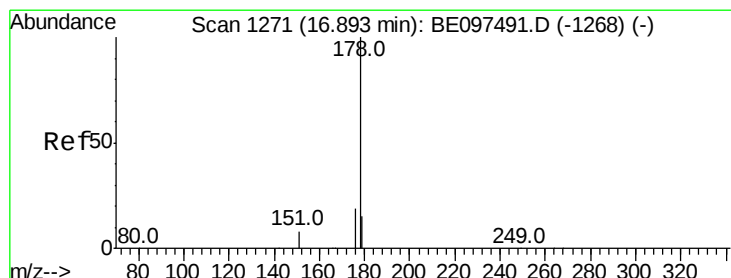
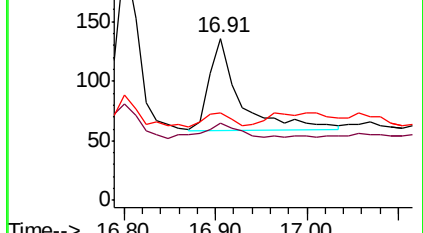
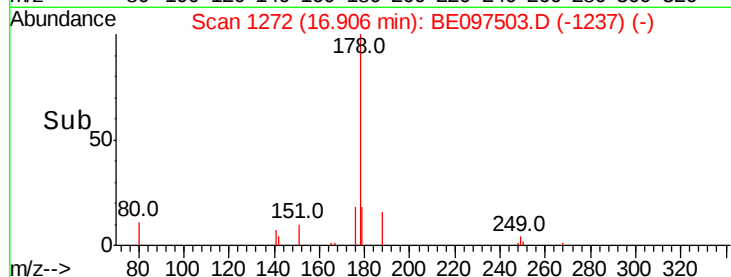
179 11.9 11.8 17.6



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: 0.011 ng

RT: 16.91 min Scan# 1272

Delta R.T. 0.01 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

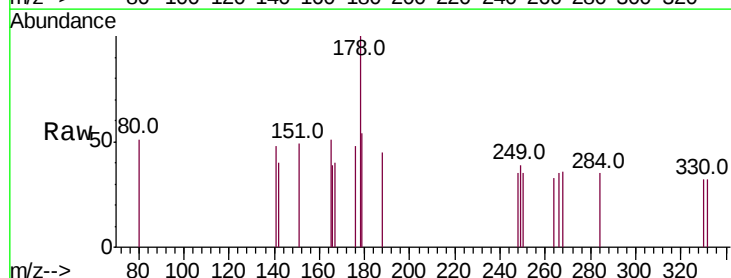
Tgt Ion:178 Resp: 171

Ion Ratio Lower Upper

178 100

176 19.9 12.8 19.2#

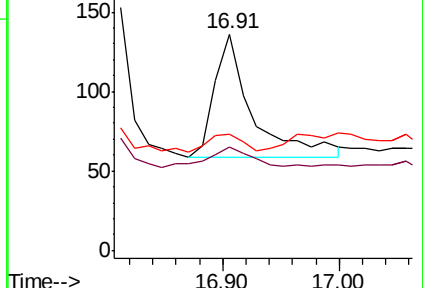
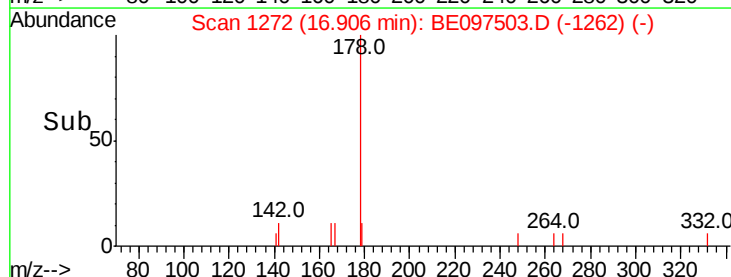
179 12.9 13.0 19.6#

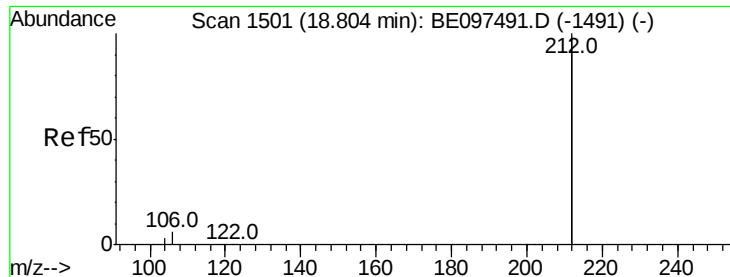


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.527 ng

RT: 18.80 min Scan# 1500

Delta R.T. -0.00 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

Instrument :

BNA_E

ClientSampleId :

C-MW-06-091118

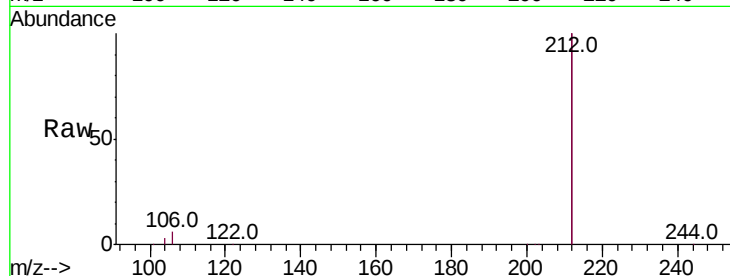
Tot Ion:212 Resp: 46136

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

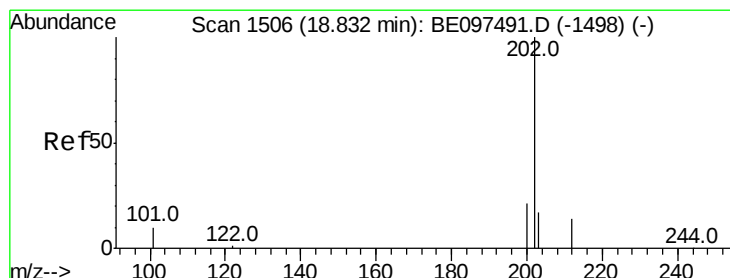
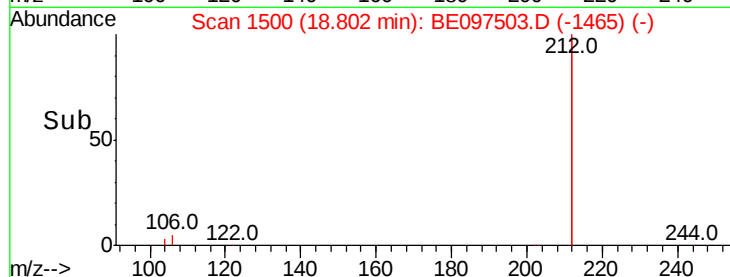
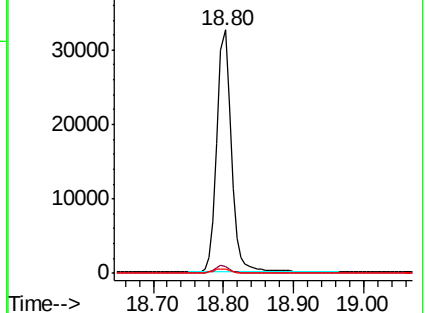
104 1.7 1.6 2.4



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: 0.026 ng

RT: 18.83 min Scan# 1505

Delta R.T. -0.00 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

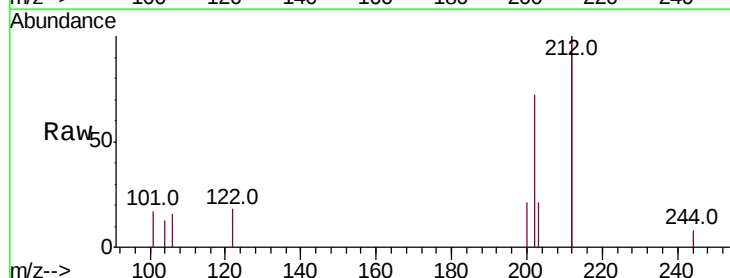
Tgt Ion:202 Resp: 579

Ion Ratio Lower Upper

202 100

101 11.1 9.8 14.8

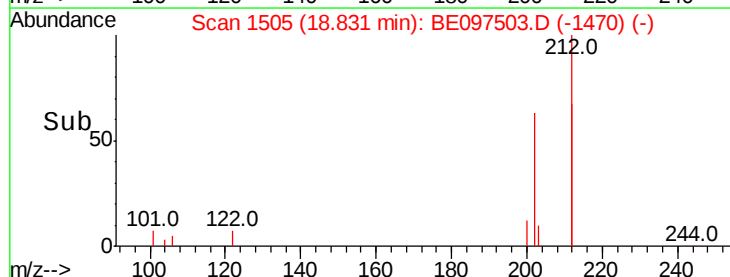
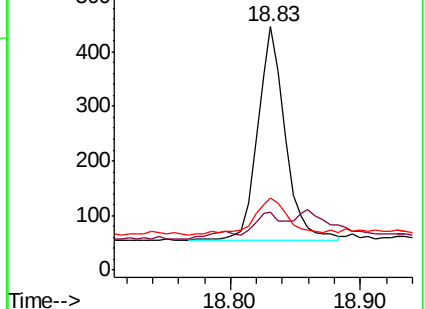
203 21.6 13.7 20.5#

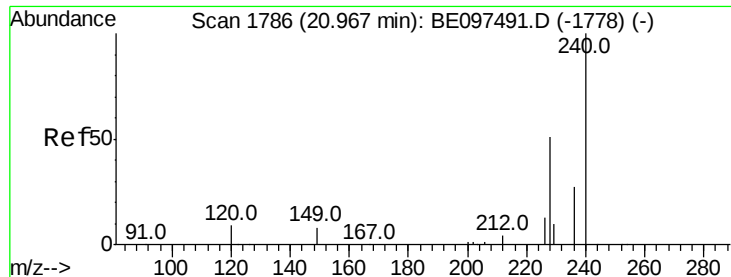


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1785

Delta R.T. 0.00 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

Instrument :

BNA_E

ClientSampleId :

C-MW-06-091118

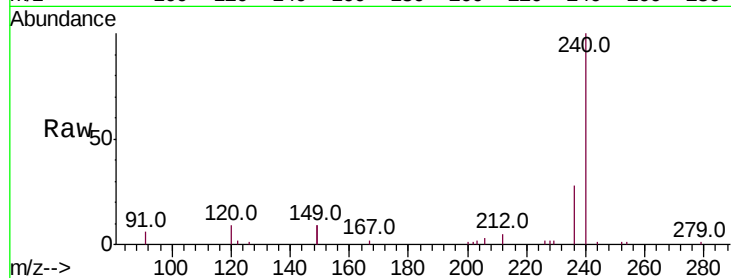
Tot Ion:240 Resp: 9433

Ion Ratio Lower Upper

240 100

120 9.0 5.5 8.3#

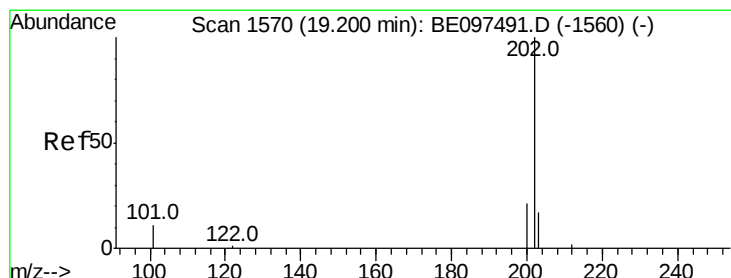
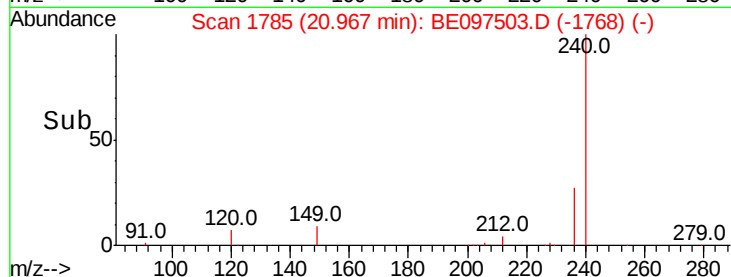
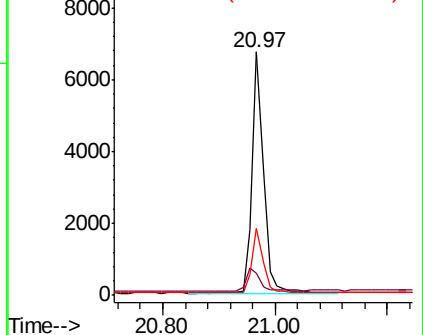
236 27.5 20.7 31.1



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: 0.022 ng

RT: 19.20 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

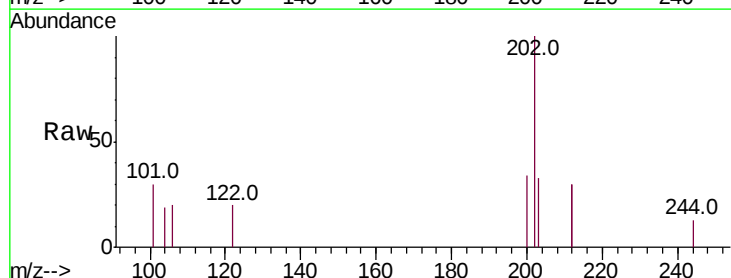
Tgt Ion:202 Resp: 540

Ion Ratio Lower Upper

202 100

200 21.5 16.6 25.0

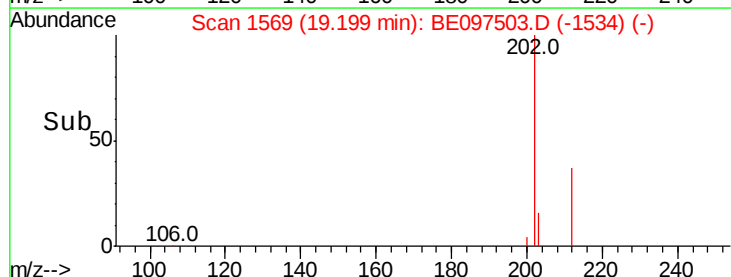
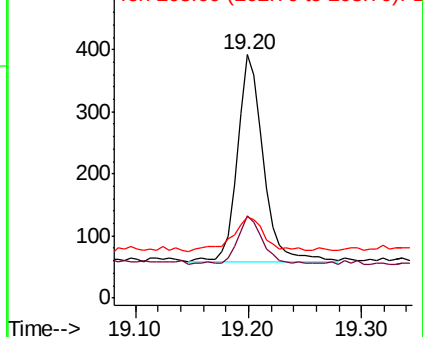
203 20.0 13.8 20.8

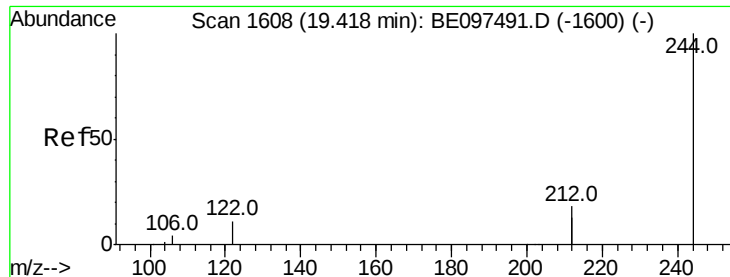


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.649 ng

RT: 19.42 min Scan# 1607

Delta R.T. -0.00 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

Instrument :

BNA_E

ClientSampleId :

C-MW-06-091118

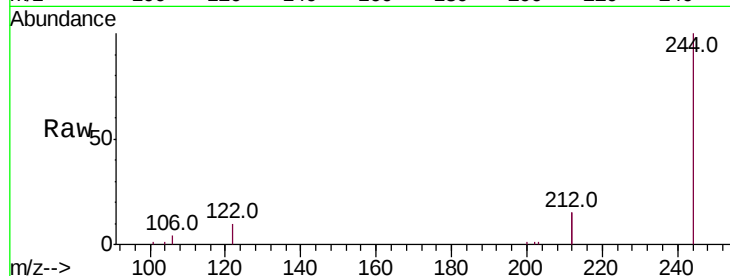
Tot Ion:244 Resp: 11718

Ion Ratio Lower Upper

244 100

212 30.1 25.4 38.0

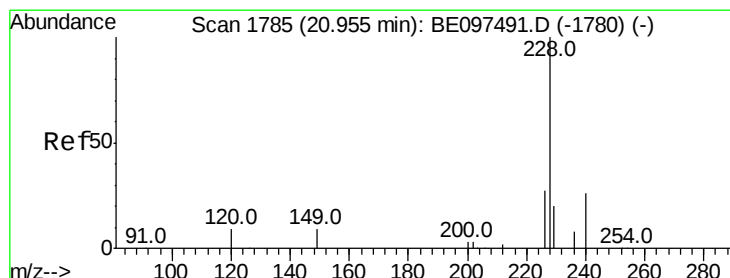
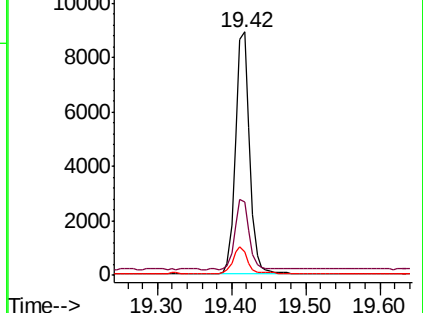
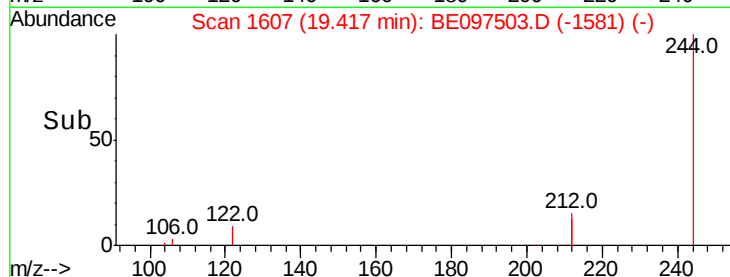
122 9.6 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.010 ng

RT: 20.96 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

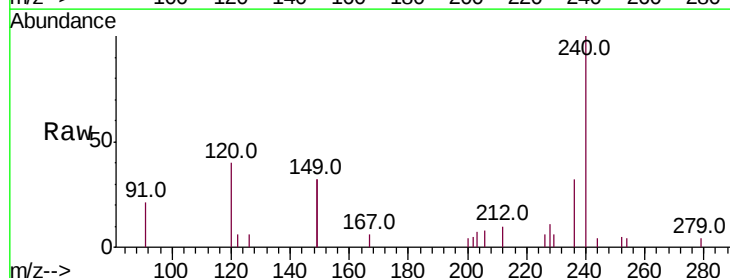
Tgt Ion:228 Resp: 257

Ion Ratio Lower Upper

228 100

226 51.7 24.0 36.0#

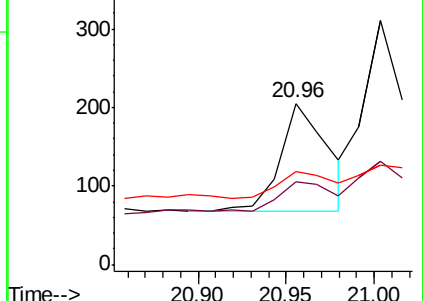
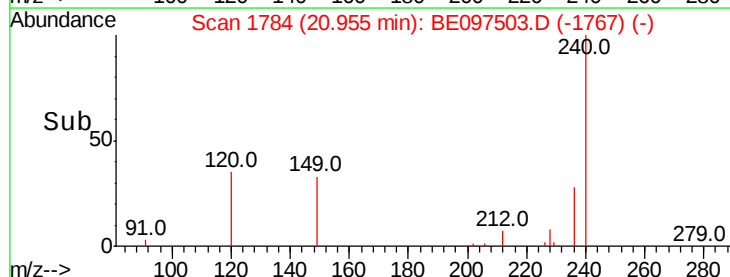
229 58.0 16.0 24.0#

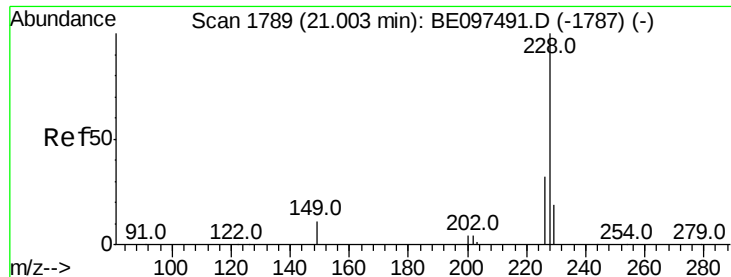


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.015 ng

RT: 21.00 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

Instrument :

BNA_E

ClientSampleId :

C-MW-06-091118

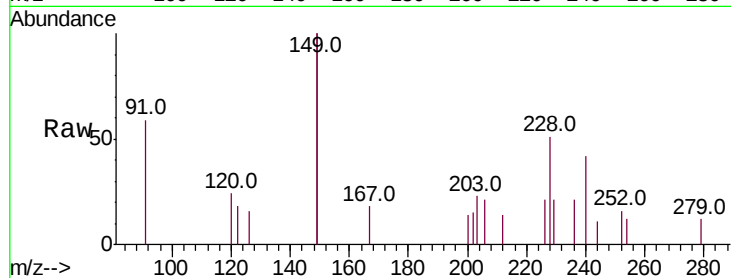
Tot Ion:228 Resp: 370

Ion Ratio Lower Upper

228 100

226 42.1 24.0 36.0#

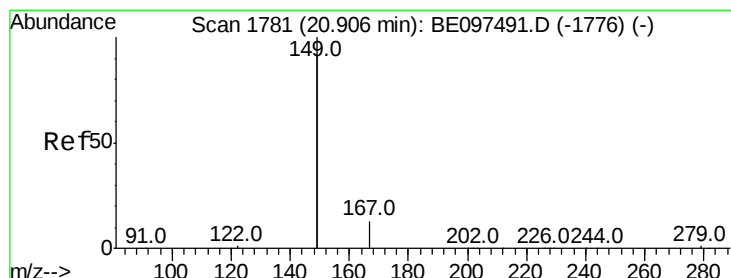
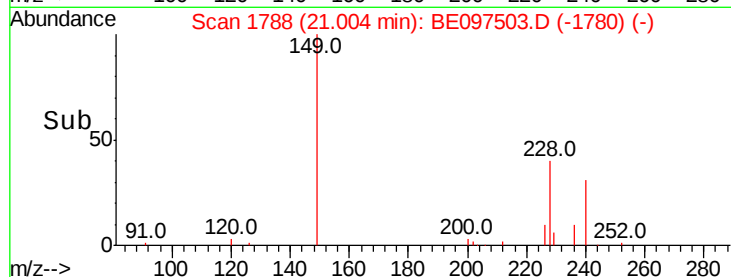
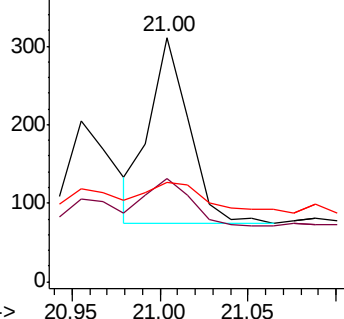
229 40.8 16.0 24.0#



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: 0.211 ng

RT: 20.91 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

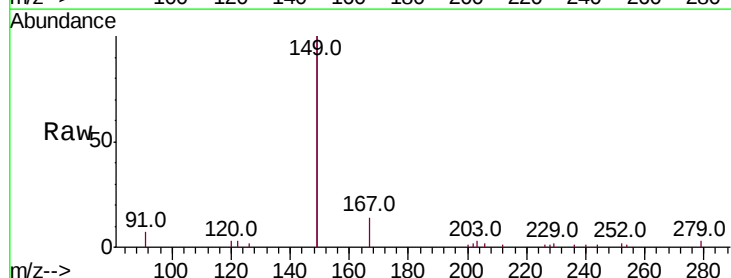
Tgt Ion:149 Resp: 11104

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

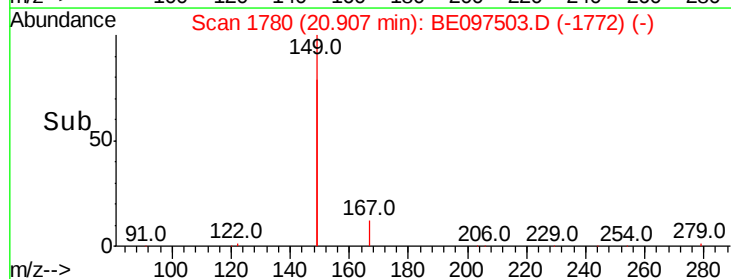
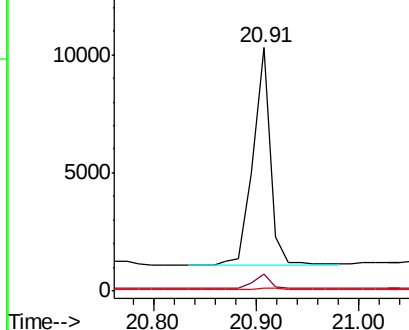
279 1.3 0.7 1.1#

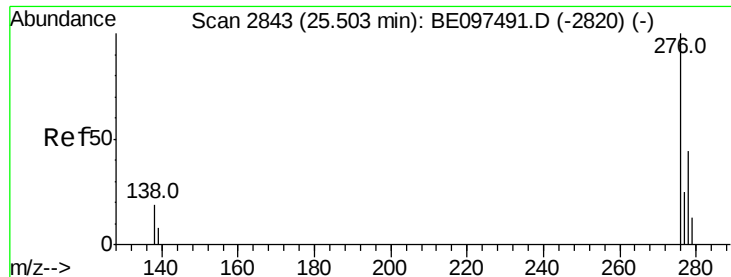


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.012 ng

RT: 25.53 min Scan# 2849

Delta R.T. 0.03 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

Instrument :

BNA_E

ClientSampleId :

C-MW-06-091118

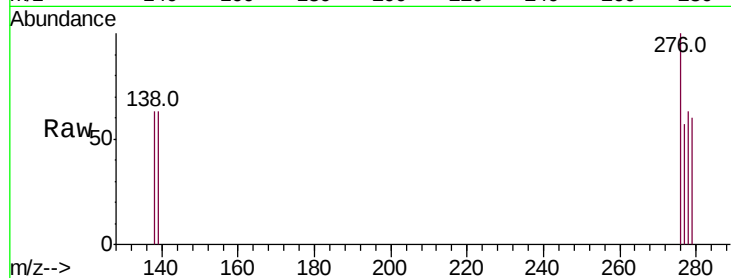
Tot Ion:276 Resp: 364

Ion Ratio Lower Upper

276 100

138 0.0 22.5 33.7#

277 29.1 19.9 29.9

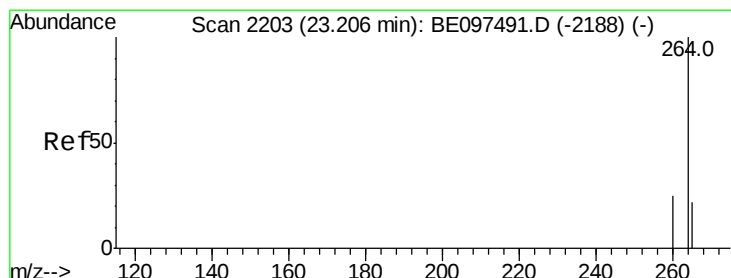
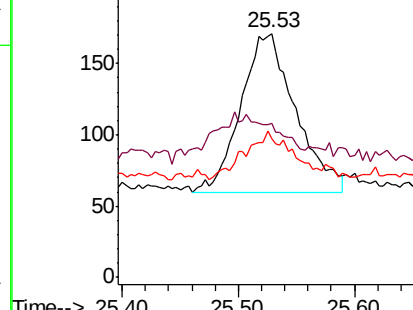
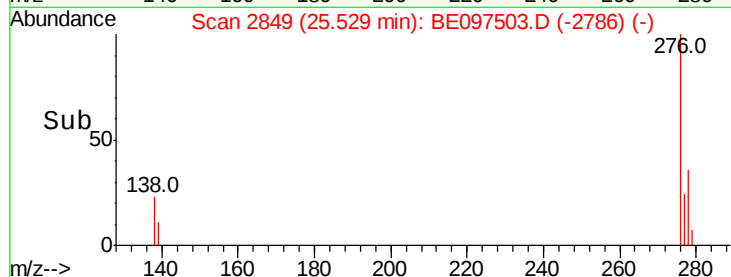


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

25.53



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2202

Delta R.T. 0.00 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

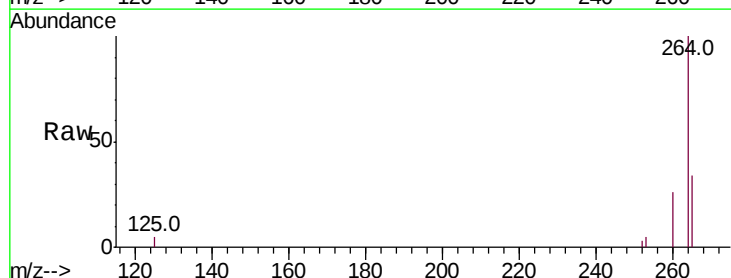
Tgt Ion:264 Resp: 9461

Ion Ratio Lower Upper

264 100

260 26.2 20.5 30.7

265 33.9 22.8 34.2

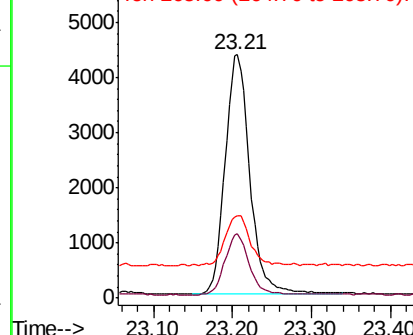
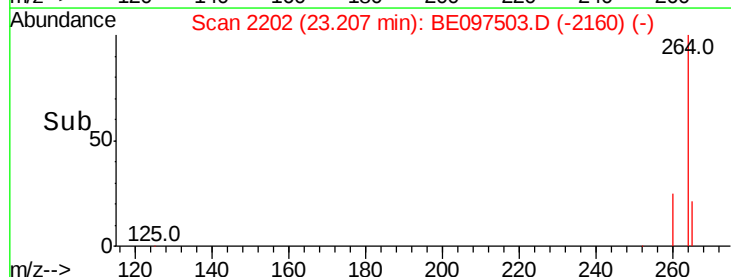


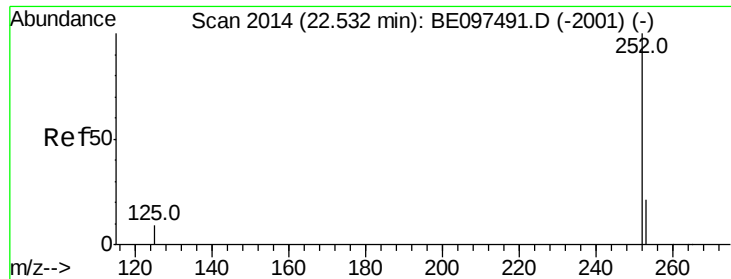
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

23.21

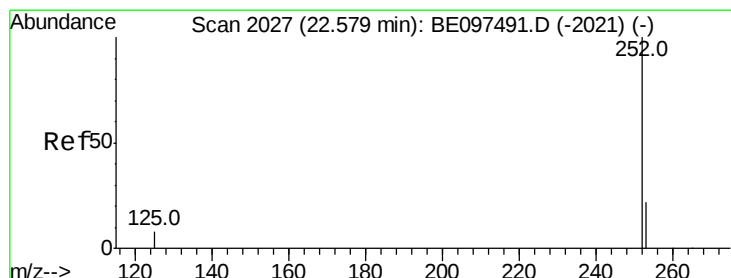
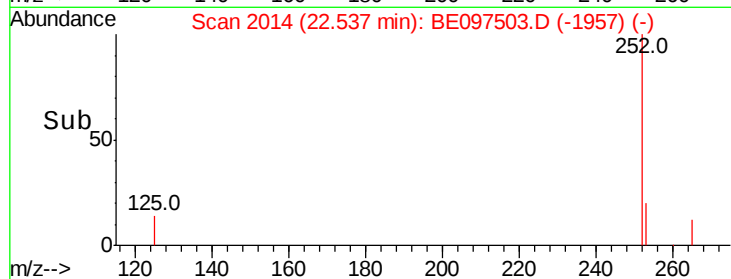
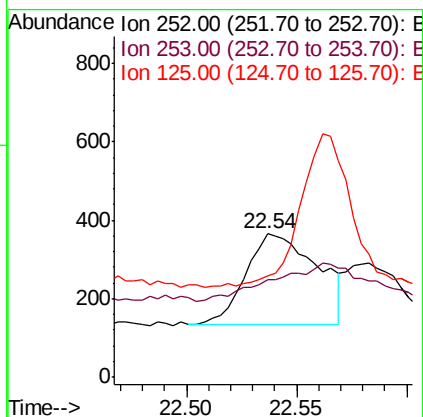
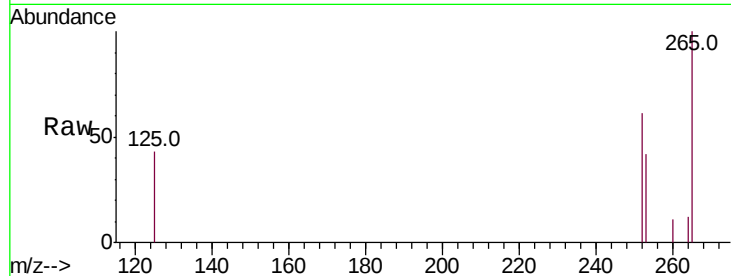




#35
Benzo(b)fluoranthene
Concen: 0.022 ng
RT: 22.54 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BE097503.D
Acq: 17 Sep 2018 19:37

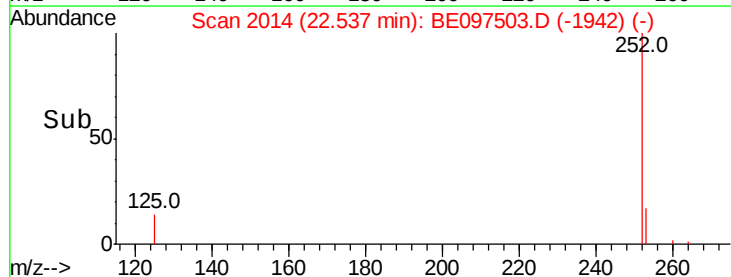
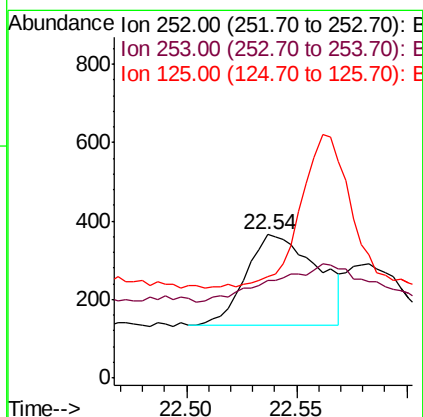
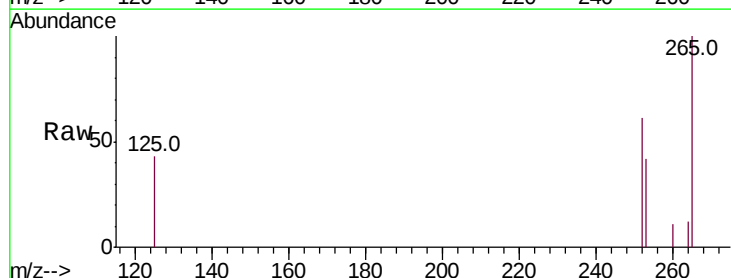
Instrument :
BNA_E
ClientSampleId :
C-MW-06-091118

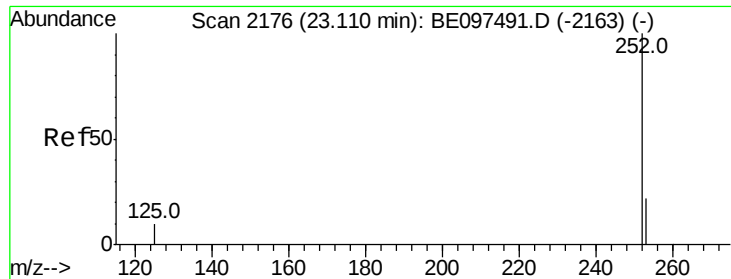
Tot Ion:252 Resp: 523
Ion Ratio Lower Upper
252 100
253 67.9 20.0 30.0#
125 70.4 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.020 ng
RT: 22.54 min Scan# 2014
Delta R.T. -0.04 min
Lab File: BE097503.D
Acq: 17 Sep 2018 19:37

Tgt Ion:252 Resp: 523
Ion Ratio Lower Upper
252 100
253 67.9 16.0 24.0#
125 70.4 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.009 ng

RT: 23.11 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

Instrument :

BNA_E

ClientSampleId :

C-MW-06-091118

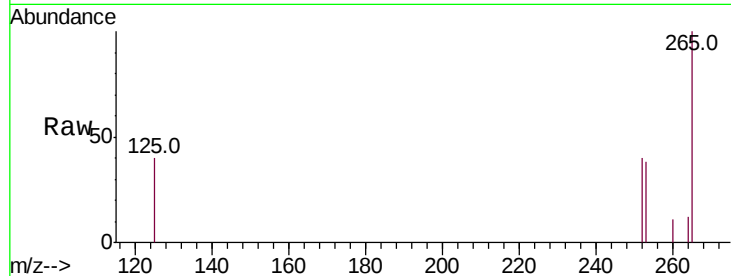
Tot Ion:252 Resp: 222

Ion Ratio Lower Upper

252 100

253 95.0 16.0 24.0#

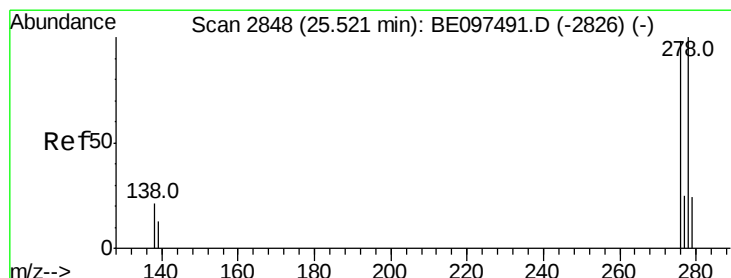
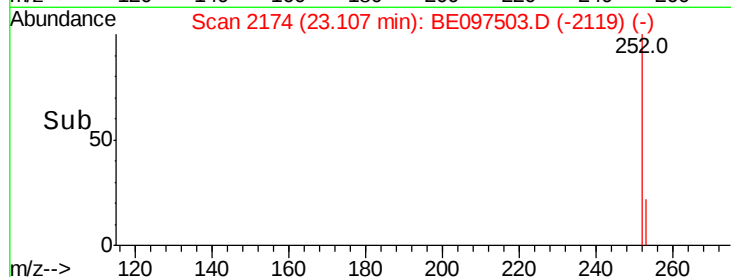
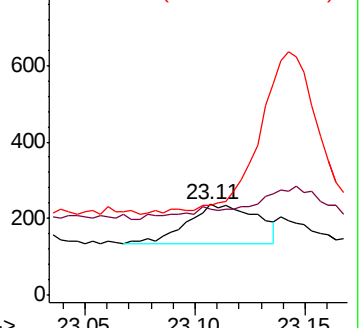
125 98.3 12.0 18.0#



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: 0.006 ng

RT: 25.54 min Scan# 2852

Delta R.T. 0.02 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

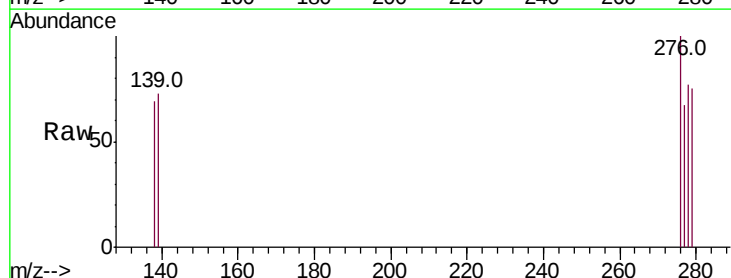
Tgt Ion:278 Resp: 152

Ion Ratio Lower Upper

278 100

139 94.6 16.0 24.0#

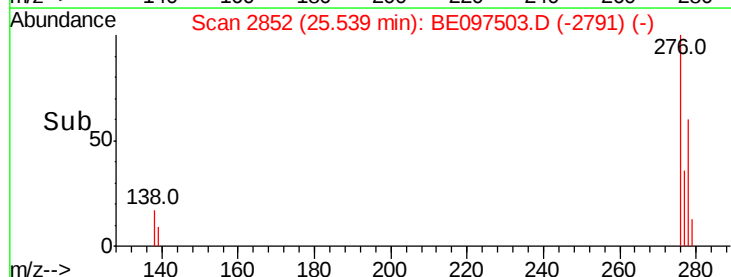
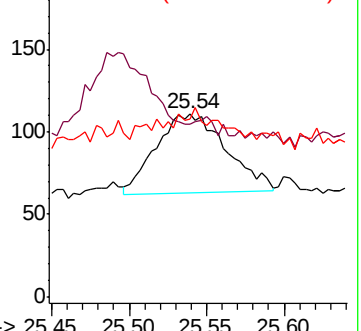
279 97.3 20.0 30.0#

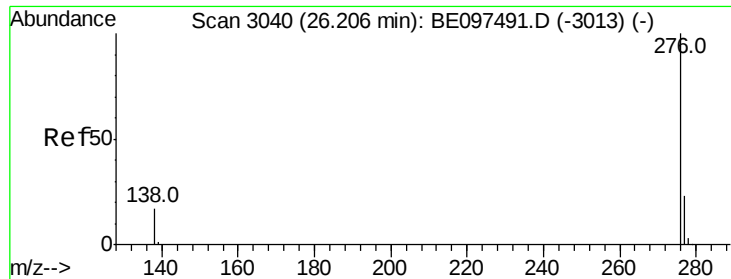


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.014 ng

RT: 26.23 min Scan# 3045

Delta R.T. 0.02 min

Lab File: BE097503.D

Acq: 17 Sep 2018 19:37

Instrument :

BNA_E

ClientSampleId :

C-MW-06-091118

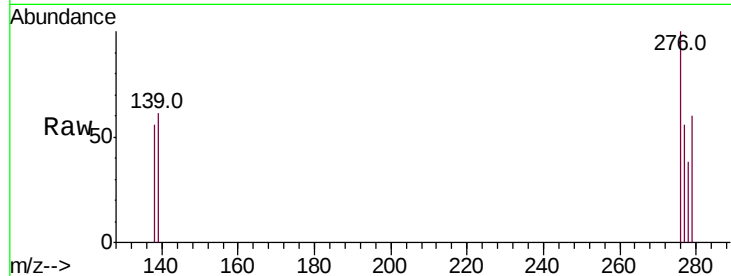
Tot Ion: 276 Resp: 351

Ion Ratio Lower Upper

276 100

277 55.8 16.0 24.0#

138 56.4 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

