

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097083.D
 Acq On : 24 Jul 2018 22:14
 Operator : SJ/JU
 Sample : J4073-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE109D1-071618RE

Quant Time: Jul 25 00:38:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 13:24:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1333	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6532	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	1844	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	10217	0.40	ng	0.00
27) Chrysene-d12	20.98	240	6495	0.40	ng	0.00
34) Perylene-d12	23.21	264	722	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	625	0.17	ng	0.00
5) Phenol-d6	6.59	99	905	0.16	ng	-0.01
8) Nitrobenzene-d5	8.52	82	2099	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3093	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	541	0.89	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	5579	0.88	ng	0.00
25) Fluoranthene-d10	18.81	212	22227	0.22	ng	0.00
29) Terphenyl-d14	19.43	244	9226	0.74	ng	0.00

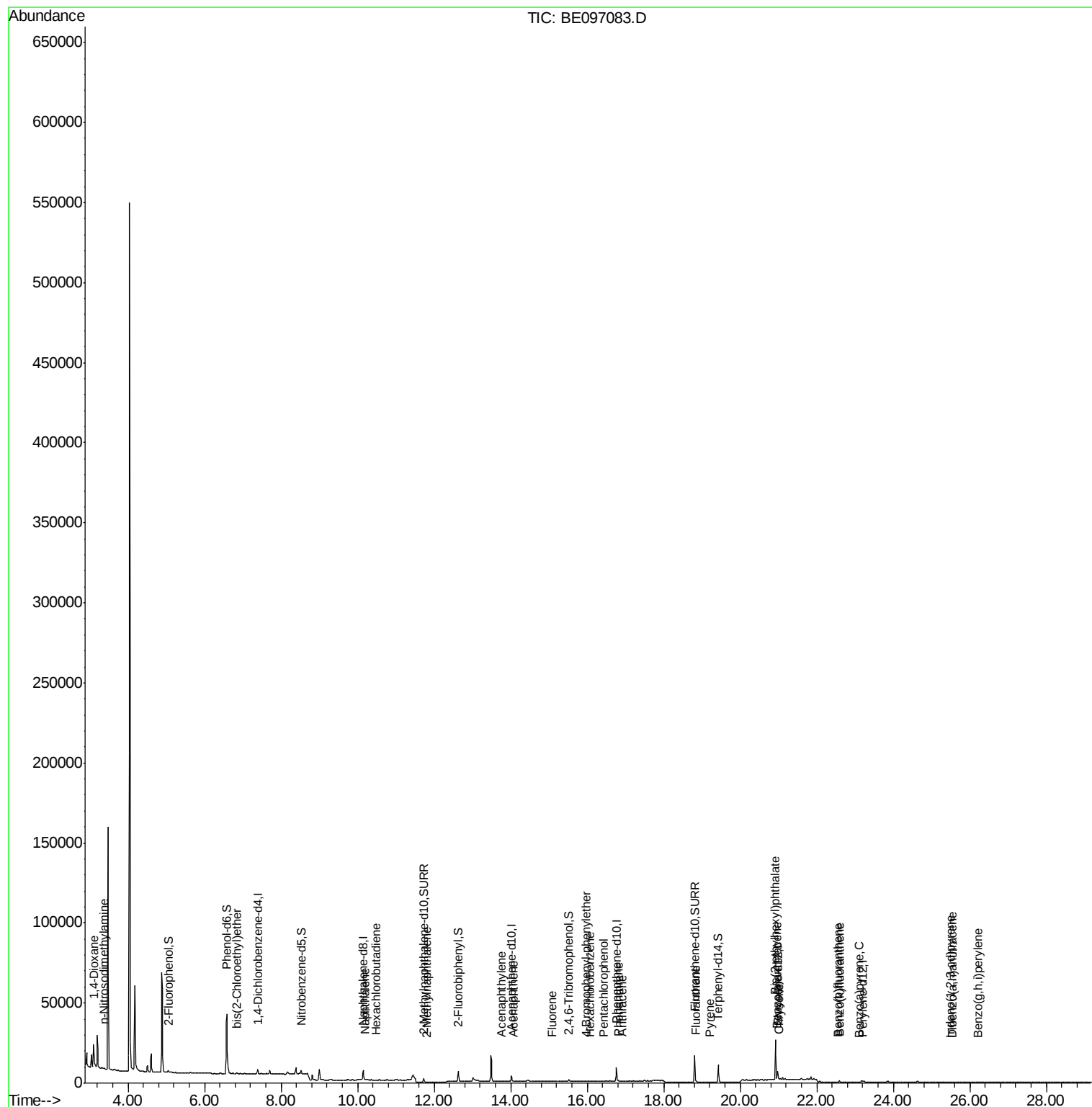
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	12227	5.772	ng	# 85
3) n-Nitrosodimethylamine	3.36	42	121	0.051	ng	# 1
6) bis(2-Chloroethyl)ether	6.84	93	44	0.009	ng	# 1
9) Naphthalene	10.20	128	948	0.016	ng	# 82
10) Hexachlorobutadiene	10.47	225	5	0.002	ng	# 1
12) 2-Methylnaphthalene	11.80	142	76	0.008	ng	# 6
16) Acenaphthylene	13.75	152	10	0.001	ng	# 86
17) Acenaphthene	14.08	154	16	0.003	ng	# 5
18) Fluorene	15.08	166	59	0.009	ng	# 92
20) 4-Bromophenyl-phenylether	15.97	248	11	0.002	ng	# 29
21) Hexachlorobenzene	16.08	284	6	0.001	ng	# 1
22) Pentachlorophenol	16.43	266	34	0.062	ng	# 94
23) Phenanthrene	16.81	178	381	0.016	ng	# 72
24) Anthracene	16.91	178	52	0.002	ng	# 16
26) Fluoranthene	18.84	202	103	0.004	ng	# 64
28) Pyrene	19.21	202	18	0.001	ng	# 22
30) Benzo(a)anthracene	20.97	228	67	0.004	ng	# 4
31) Chrysene	21.01	228	46	0.003	ng	# 3
32) Bis(2-ethylhexyl)phthalate	20.92	149	30389	1.504	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.50	276	5	0.000	ng	# 1
35) Benzo(b)fluoranthene	22.54	252	62	0.034	ng	# 1
36) Benzo(k)fluoranthene	22.59	252	115	0.054	ng	# 1
37) Benzo(a)pyrene	23.13	252	6	0.003	ng	# 1
38) Dibenzo(a,h)anthracene	25.54	278	8	0.005	ng	# 1
39) Benzo(g,h,i)perylene	26.21	276	5	0.003	ng	# 1

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

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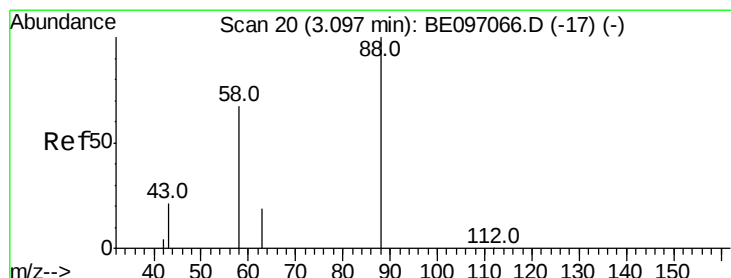
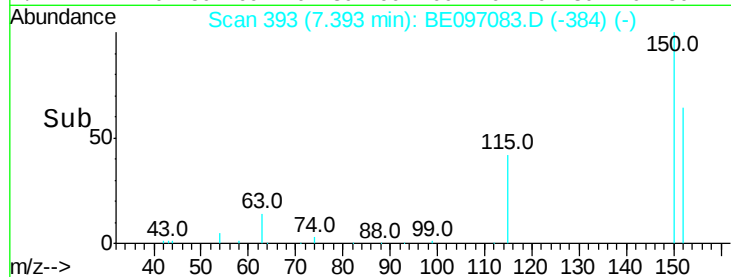
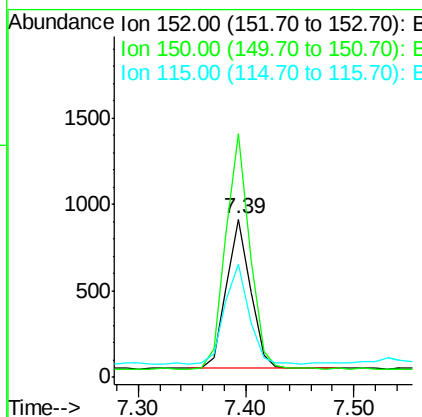
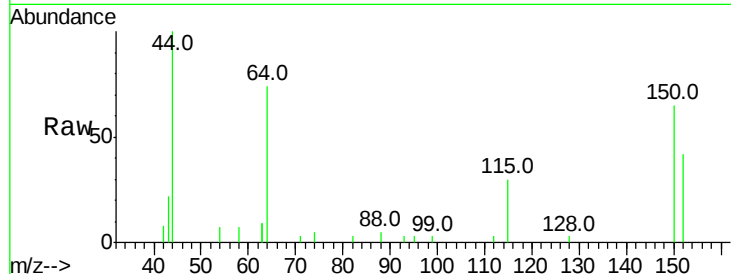


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.39 min Scan# 393
 Delta R.T. 0.00 min
 Lab File: BE097083.D
 Acq: 24 Jul 2018 22:14

Instrument :
 BNA_E
 ClientSampleId :
 RE109D1-071618RE

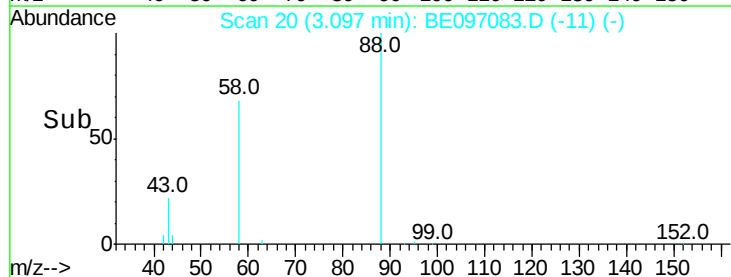
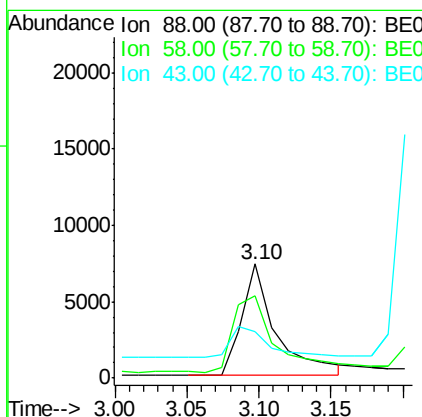
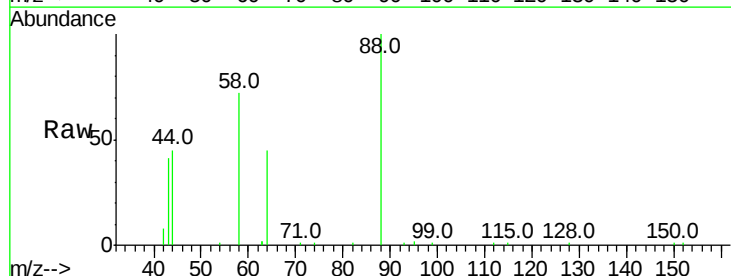
Tot Ion:152 Resp: 1333
 Ion Ratio Lower Upper
 152 100
 150 153.8 117.2 175.8
 115 71.5 57.0 85.6

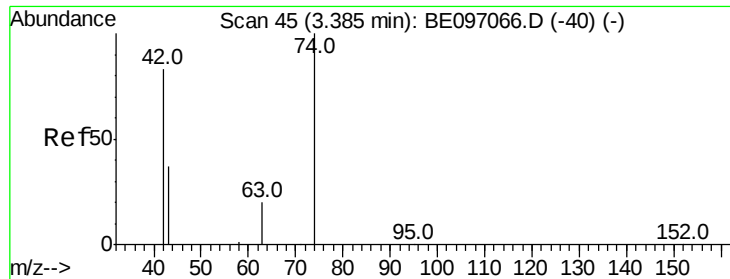


#2

1,4-Dioxane
 Concen: 5.772 ng
 RT: 3.10 min Scan# 20
 Delta R.T. 0.00 min
 Lab File: BE097083.D
 Acq: 24 Jul 2018 22:14

Tgt Ion: 88 Resp: 12227
 Ion Ratio Lower Upper
 88 100
 58 83.8 63.2 94.8
 43 30.4 41.2 61.8#



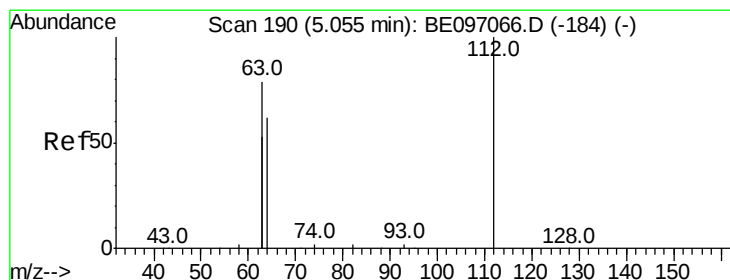
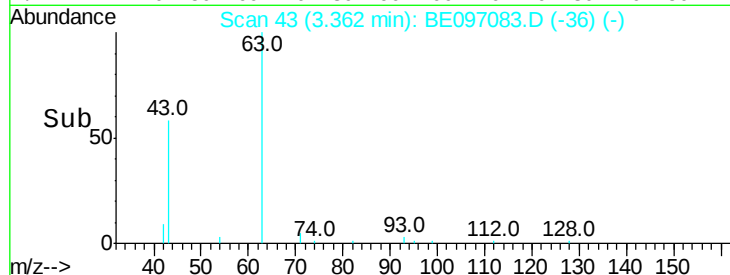
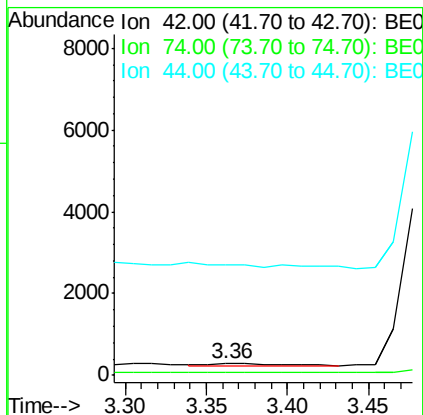
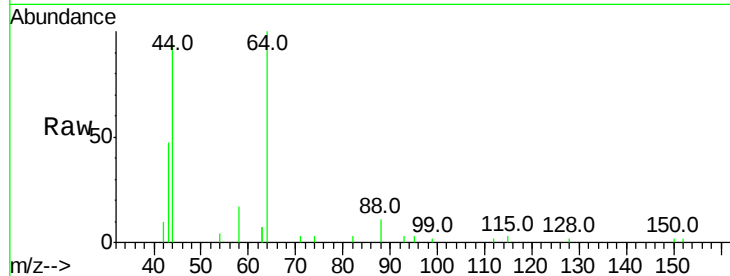


#3

n-Nitrosodimethylamine
Concen: 0.051 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.02 min
Lab File: BE097083.D
Acq: 24 Jul 2018 22:14

Instrument :
BNA_E
ClientSampleId :
RE109D1-071618RE

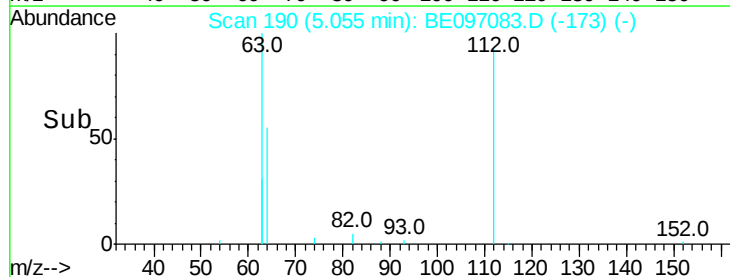
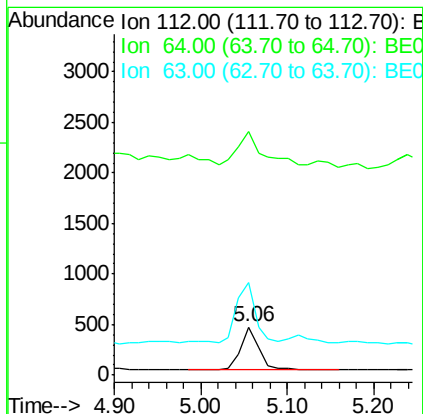
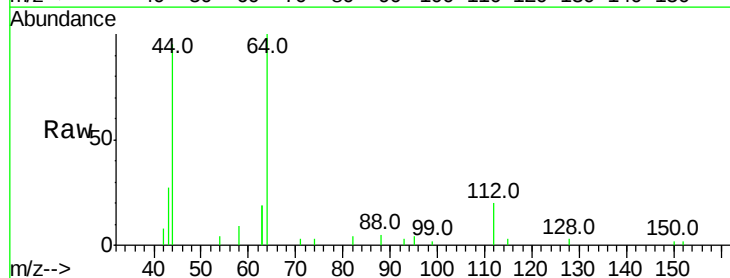
Tot Ion: 42 Resp: 121
Ion Ratio Lower Upper
42 100
74 0.0 96.0 144.0#
44 0.0 12.0 18.0#

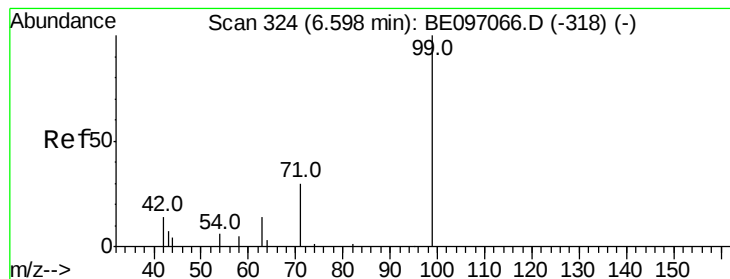


#4

2-Fluorophenol
Concen: 0.167 ng
RT: 5.06 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE097083.D
Acq: 24 Jul 2018 22:14

Tgt Ion: 112 Resp: 625
Ion Ratio Lower Upper
112 100
64 106.7 60.1 90.1#
63 144.8 116.8 175.2





#5

Phenol-d6

Concen: 0.165 ng

RT: 6.59 min Scan# 323

Delta R.T. -0.01 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

Instrument :

BNA_E

ClientSampleId :

RE109D1-071618RE

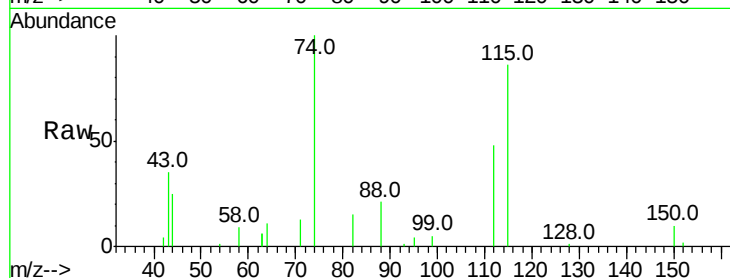
Tot Ion: 99 Resp: 905

Ion Ratio Lower Upper

99 100

42 82.4 20.2 30.2#

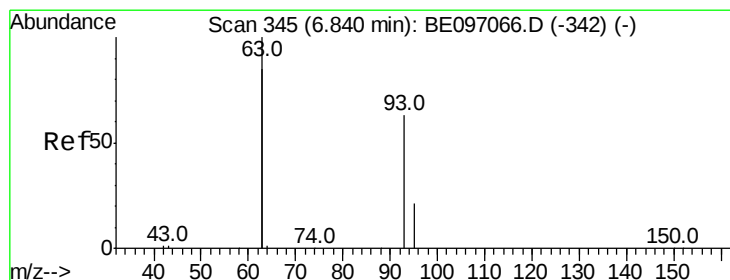
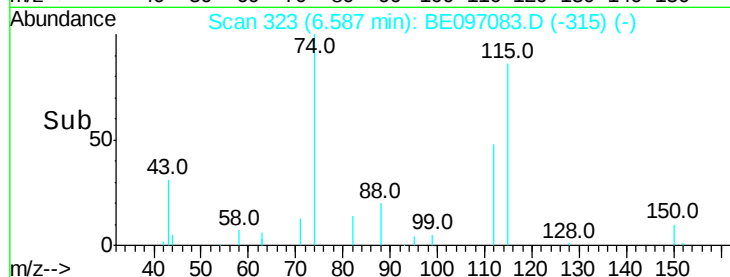
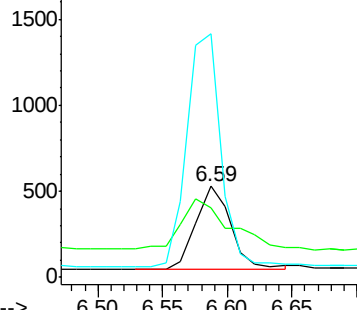
71 274.7 28.4 42.6#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.009 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

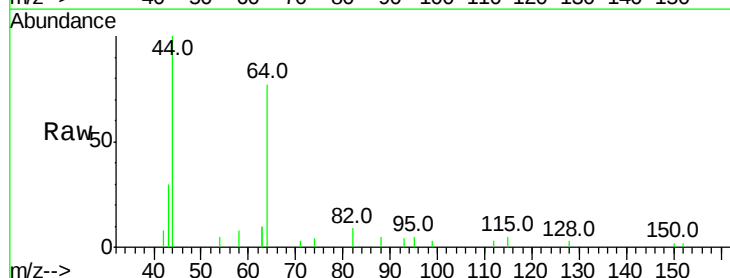
Tgt Ion: 93 Resp: 44

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

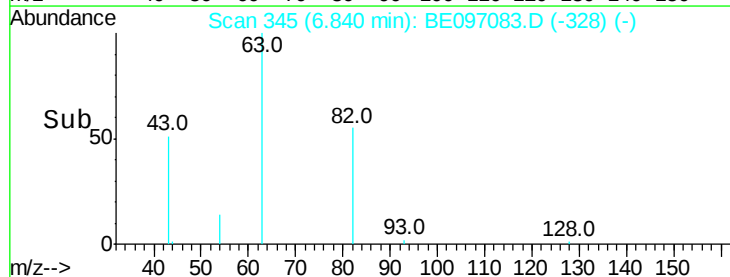
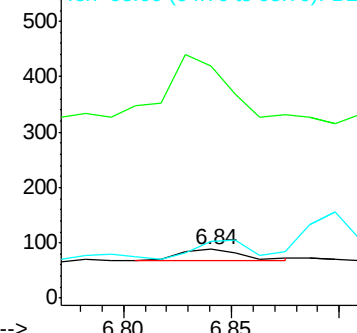
95 147.7 25.2 37.8#

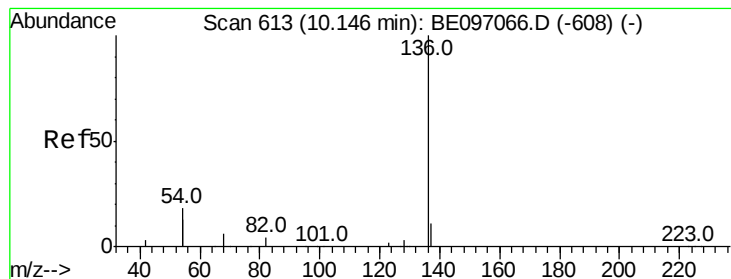


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

Instrument :

BNA_E

ClientSampleId :

RE109D1-071618RE

Tot Ion:136 Resp: 6532

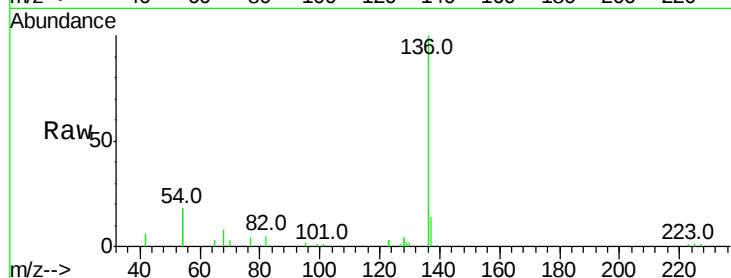
Ion Ratio Lower Upper

136 100

137 14.1 9.5 14.3

54 36.8 29.1 43.7

68 7.8 6.2 9.2

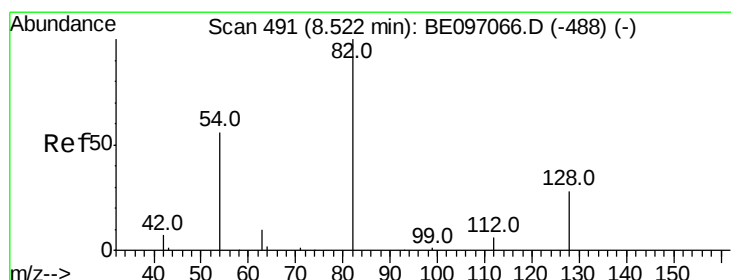
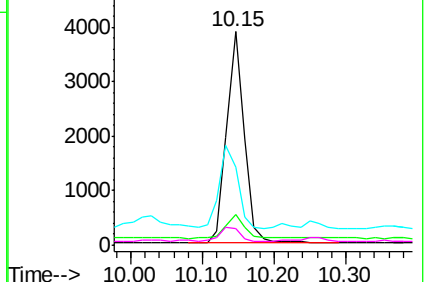
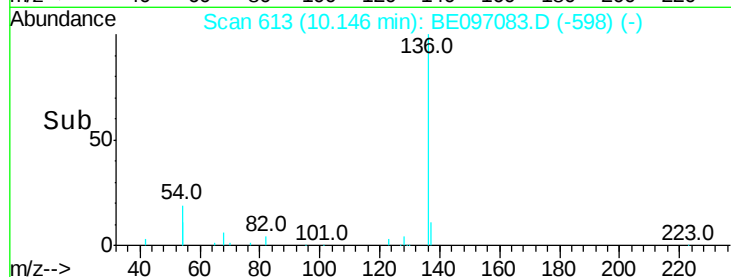


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.370 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

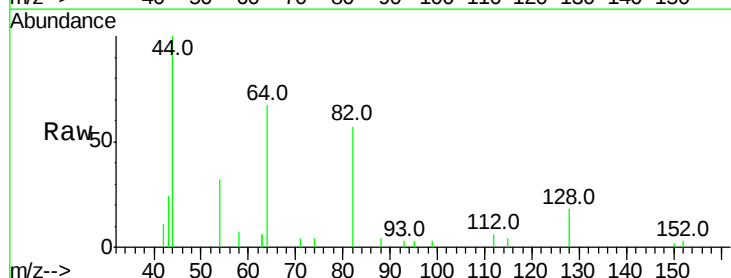
Tgt Ion: 82 Resp: 2099

Ion Ratio Lower Upper

82 100

128 31.3 24.0 36.0

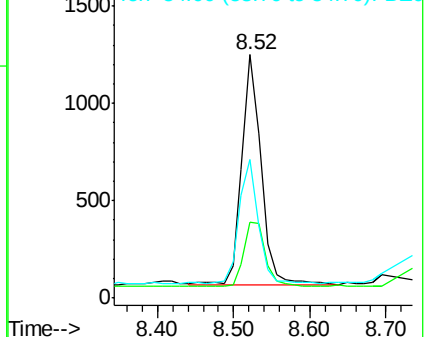
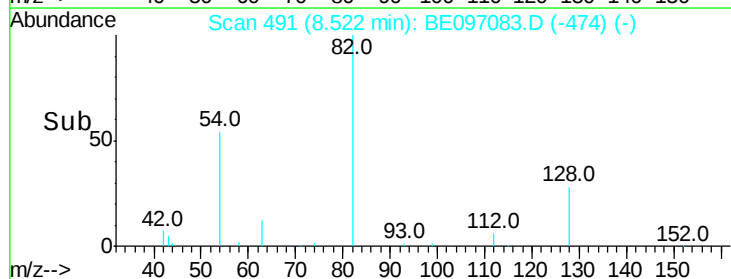
54 56.8 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.016 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097083.D

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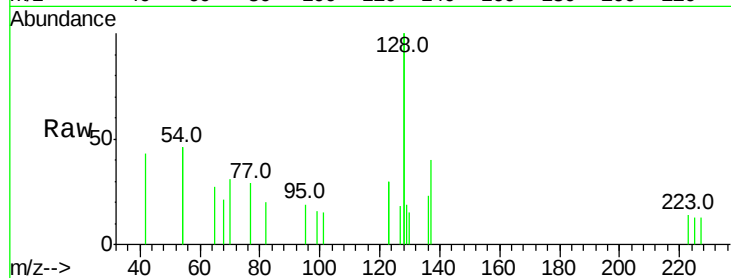
Tot Ion:128 Resp: 948

Ion Ratio Lower Upper

128 100

129 9.3 2.6 3.8#

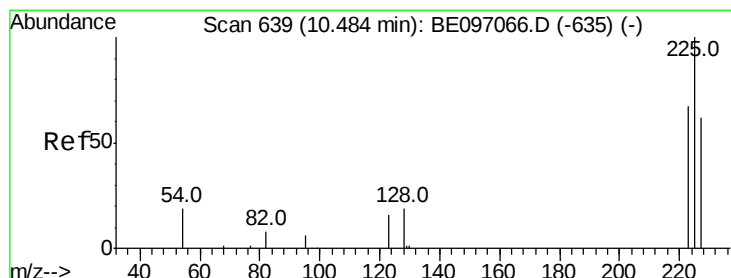
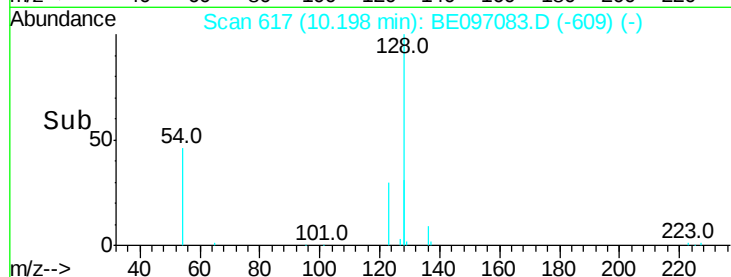
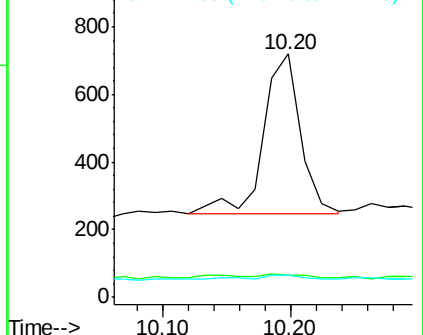
127 9.2 2.8 4.2#



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

Hexachlorobutadiene

Concen: 0.002 ng

RT: 10.47 min Scan# 638

Delta R.T. -0.01 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

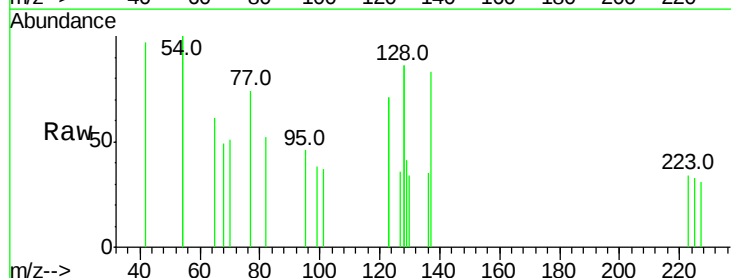
Tgt Ion:225 Resp: 5

Ion Ratio Lower Upper

225 100

223 240.0 53.0 79.6#

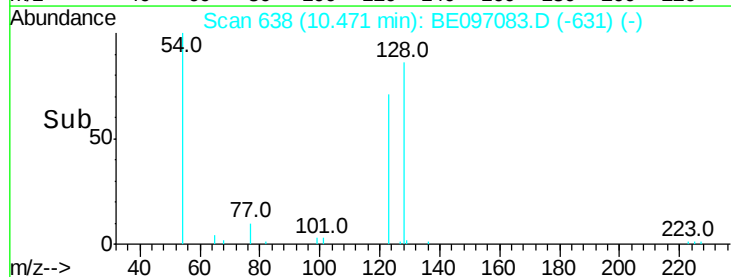
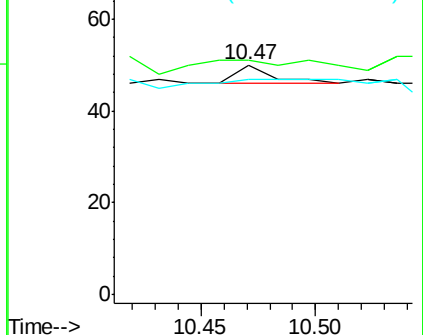
227 180.0 51.4 77.2#



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.316 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

Instrument :

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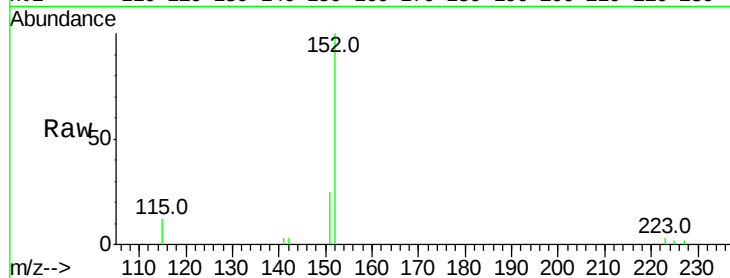
RE109D1-071618RE

Tot Ion:152 Resp: 3093

Ion Ratio Lower Upper

152 100

151 23.4 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.73

2000

1500

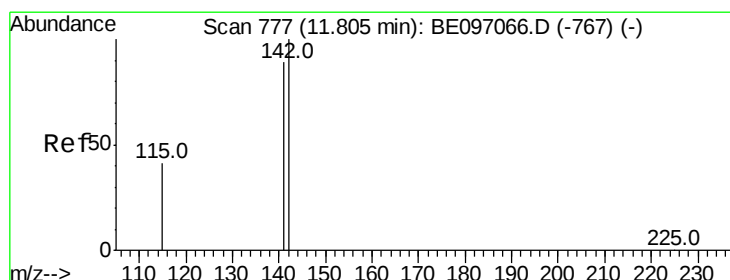
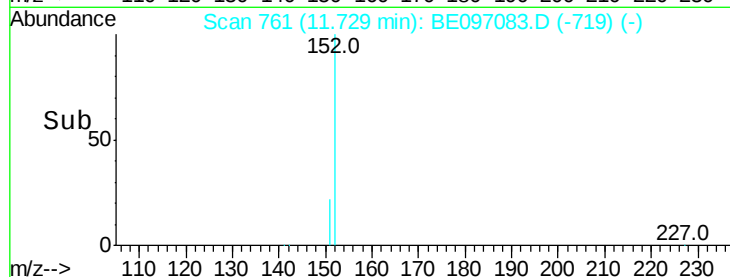
1000

500

0

11.70 11.80

Time-->



#12

2-Methylnaphthalene

Concen: 0.008 ng

RT: 11.80 min Scan# 777

Delta R.T. -0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

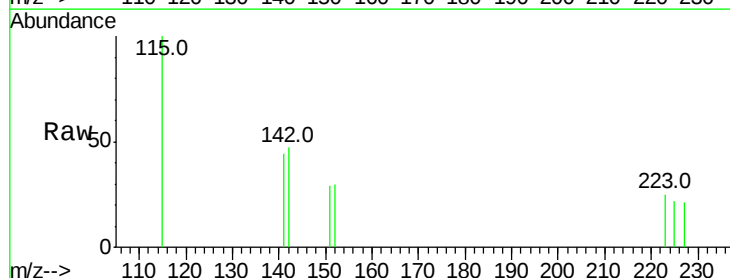
Tgt Ion:142 Resp: 76

Ion Ratio Lower Upper

142 100

141 95.0 70.4 105.6

115 215.0 31.7 47.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

300

250

200

150

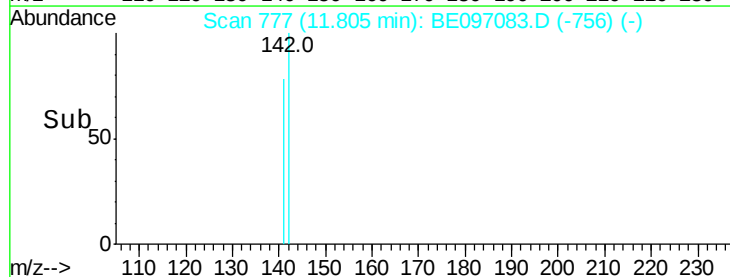
100

50

0

11.75 11.80 11.85

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

Instrument :

BNA_E

ClientSampleId :

RE109D1-071618RE

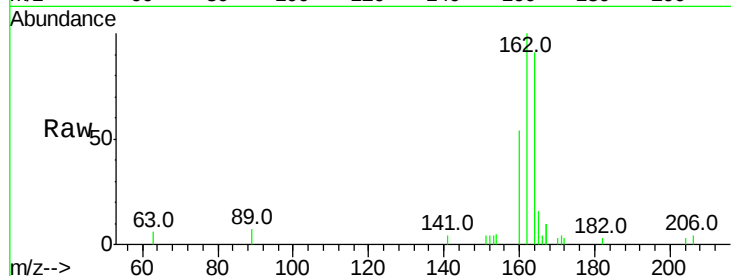
Tot Ion:164 Resp: 1844

Ion Ratio Lower Upper

164 100

162 110.1 83.1 124.7

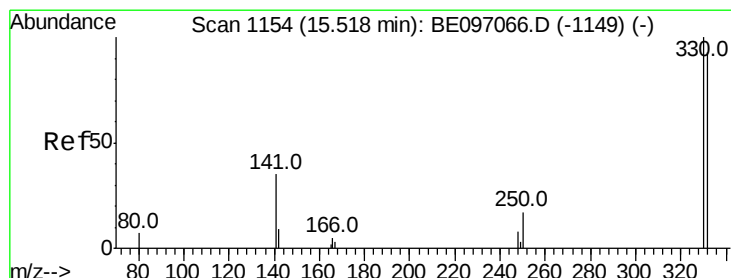
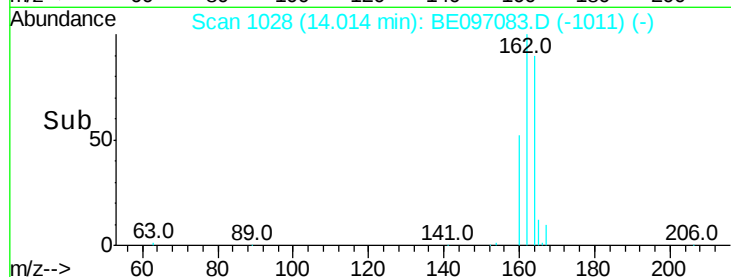
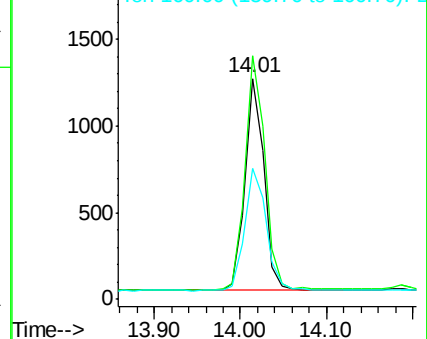
160 59.3 37.1 55.7#



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: 0.891 ng

RT: 15.52 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

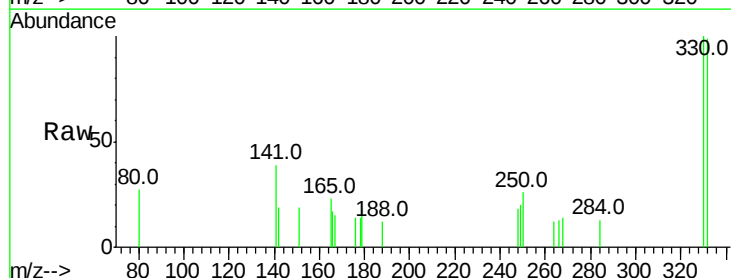
Tgt Ion:330 Resp: 541

Ion Ratio Lower Upper

330 100

332 101.1 152.7 229.1#

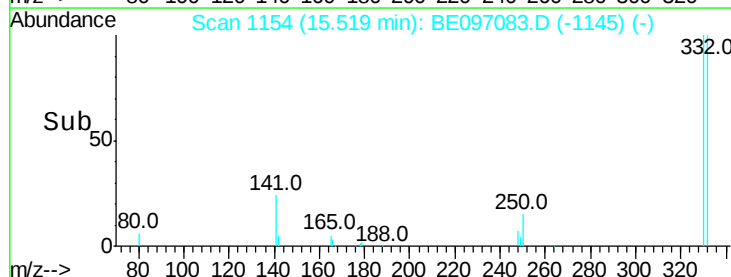
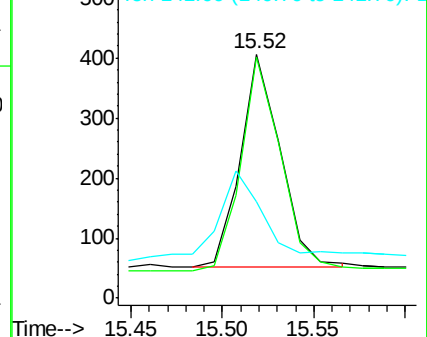
141 50.8 33.7 50.5#

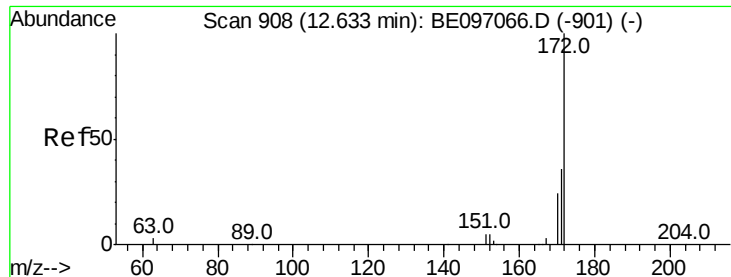


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

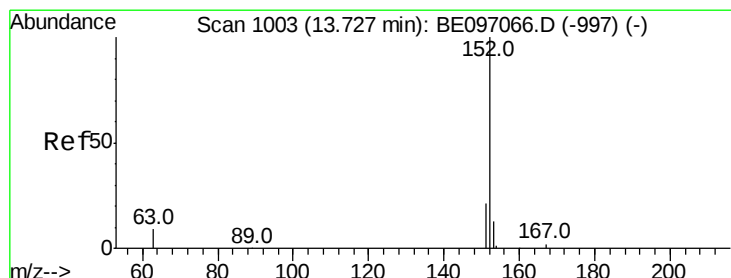
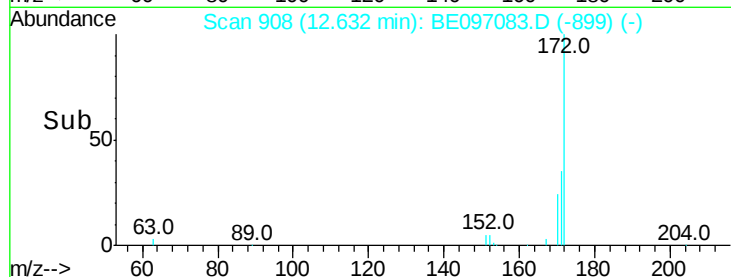
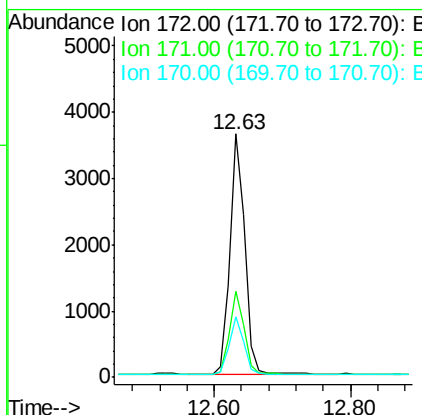
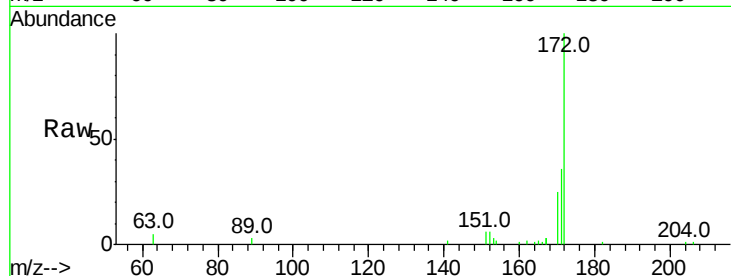




#15
2-Fluorobiphenyl
Concen: 0.876 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097083.D
Acq: 24 Jul 2018 22:14

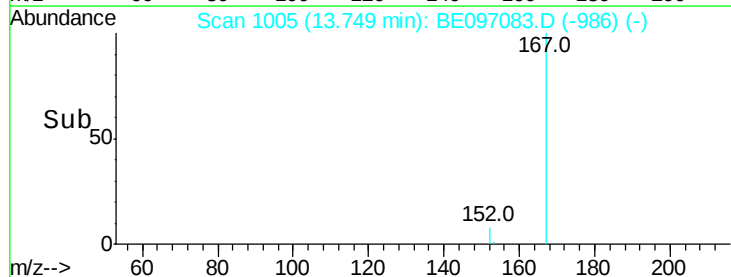
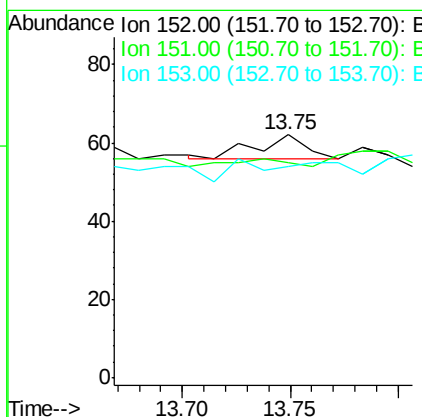
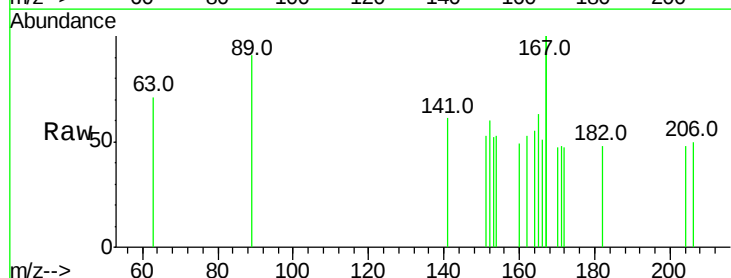
Instrument :
BNA_E
ClientSampleId :
RE109D1-071618RE

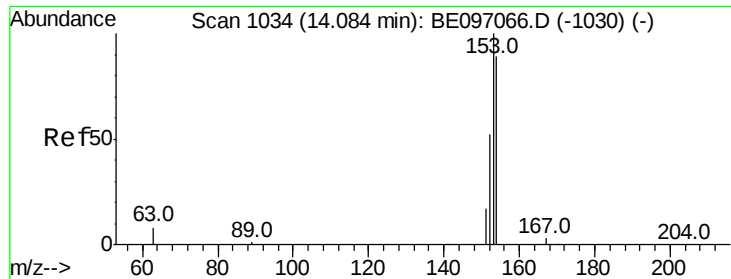
Tot Ion:172 Resp: 5579
Ion Ratio Lower Upper
172 100
171 35.6 29.9 44.9
170 25.0 21.8 32.8



#16
Acenaphthylene
Concen: 0.001 ng
RT: 13.75 min Scan# 1005
Delta R.T. 0.02 min
Lab File: BE097083.D
Acq: 24 Jul 2018 22:14

Tgt Ion:152 Resp: 10
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 0.0 10.5 15.7#





#17

Acenaphthene

Concen: 0.003 ng

RT: 14.08 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

Instrument :

BNA_E

ClientSampleId :

RE109D1-071618RE

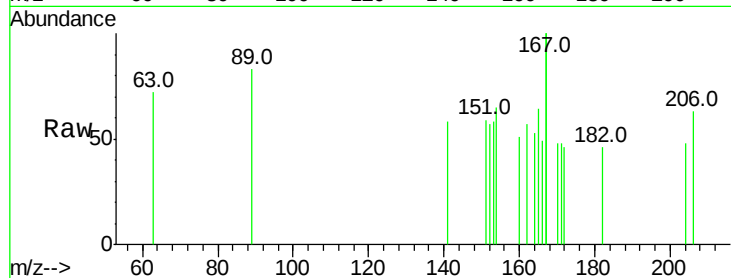
Tot Ion:154 Resp: 16

Ion Ratio Lower Upper

154 100

153 0.0 89.2 133.8#

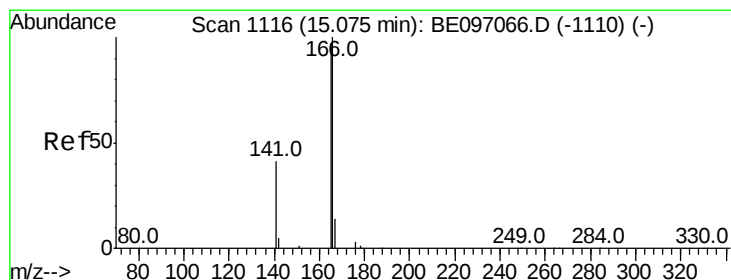
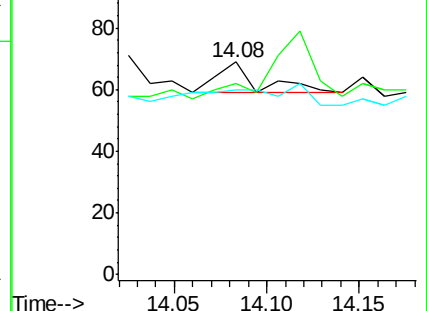
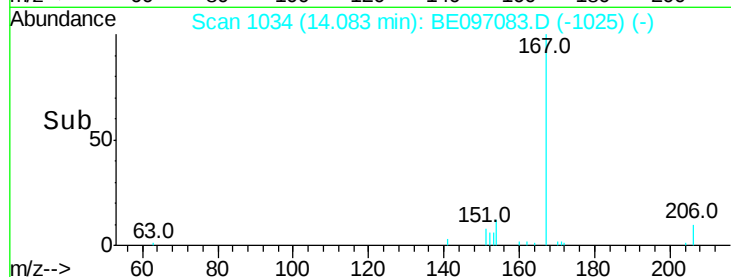
152 0.0 42.0 63.0#



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: 0.009 ng

RT: 15.08 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

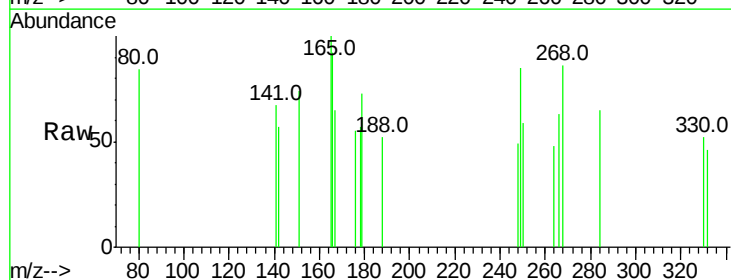
Tgt Ion:166 Resp: 59

Ion Ratio Lower Upper

166 100

165 96.6 77.8 116.6

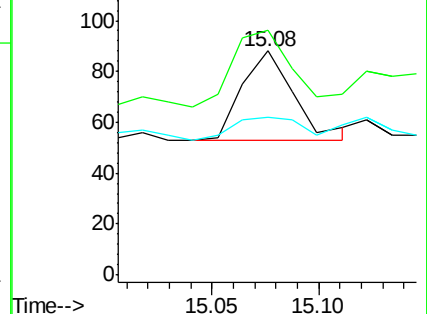
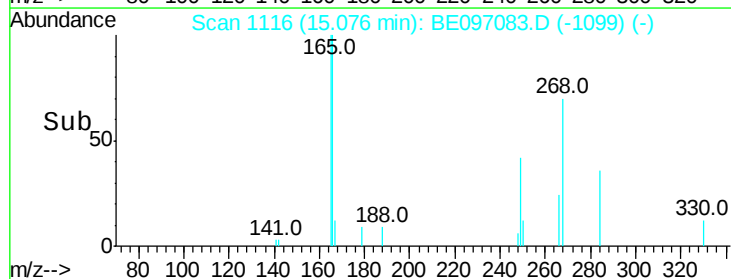
167 37.3 42.4 63.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

Instrument :

BNA_E

ClientSampleId :

RE109D1-071618RE

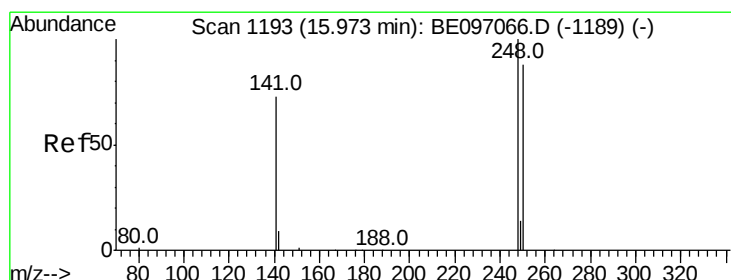
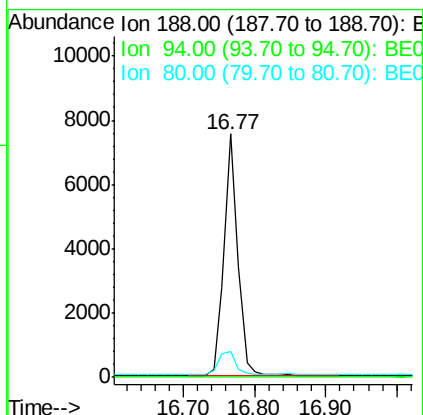
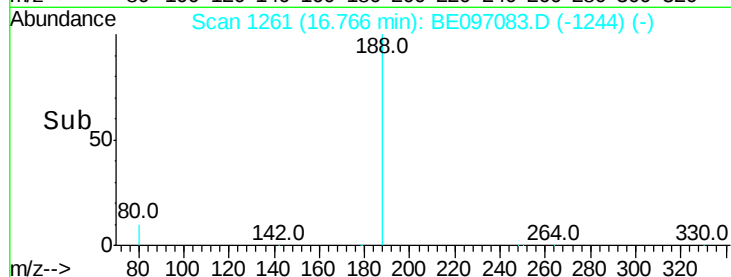
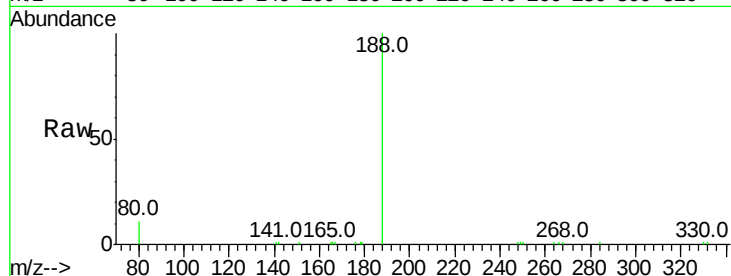
Tot Ion:188 Resp: 10217

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 10.8 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.002 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

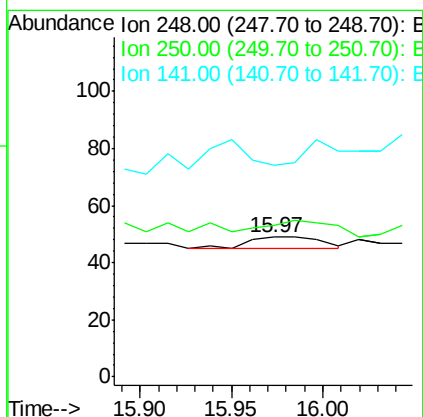
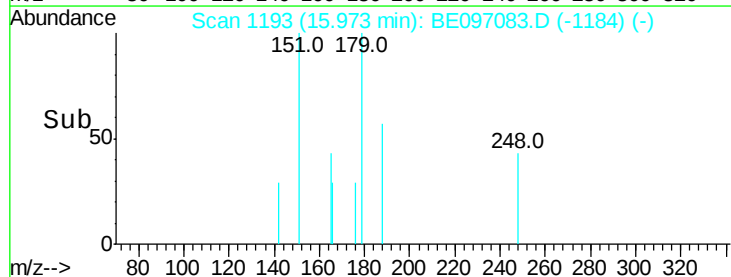
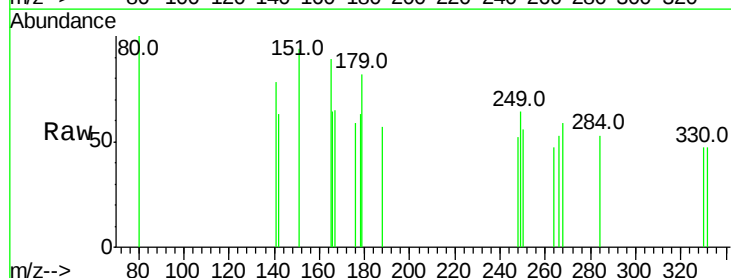
Tgt Ion:248 Resp: 11

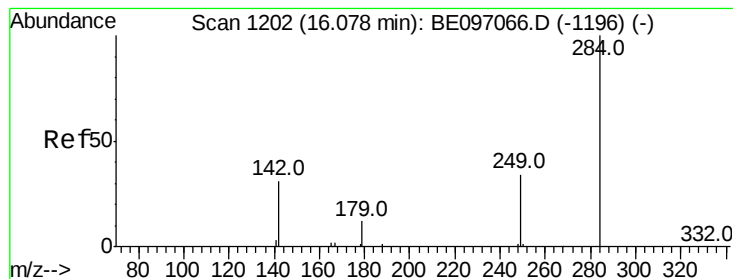
Ion Ratio Lower Upper

248 100

250 108.2 62.7 94.1#

141 151.0 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.001 ng

RT: 16.08 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

Instrument :

BNA_E

ClientSampleId :

RE109D1-071618RE

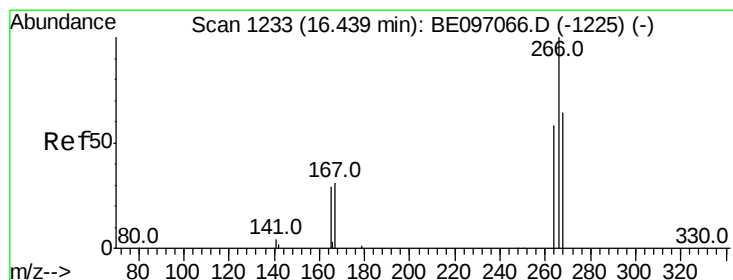
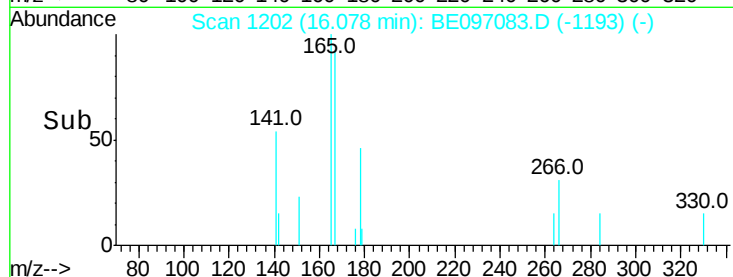
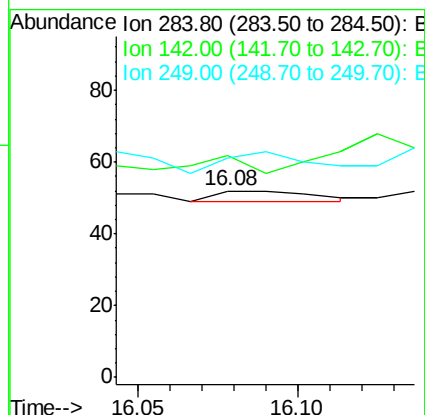
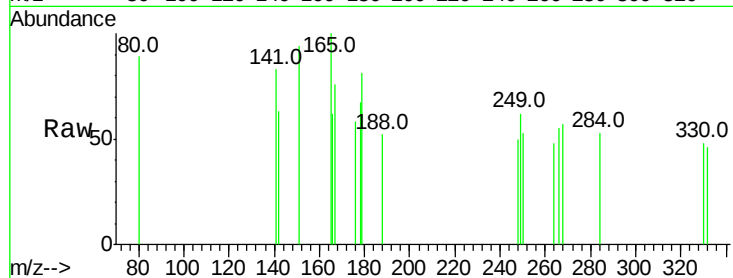
Tot Ion:284 Resp: 6

Ion Ratio Lower Upper

284 100

142 150.0 22.1 33.1#

249 166.7 34.8 52.2#



#22

Pentachlorophenol

Concen: 0.062 ng

RT: 16.43 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

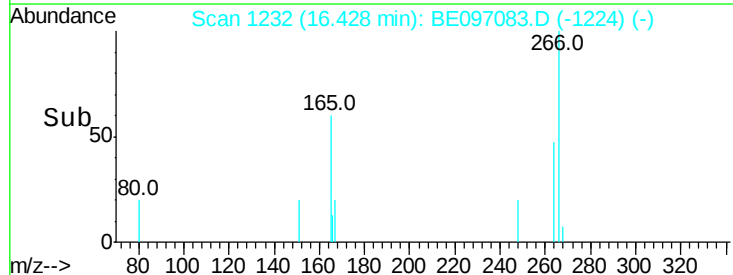
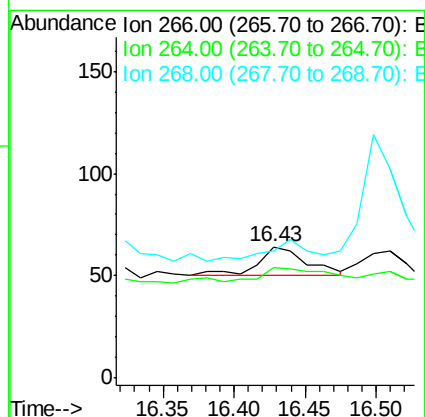
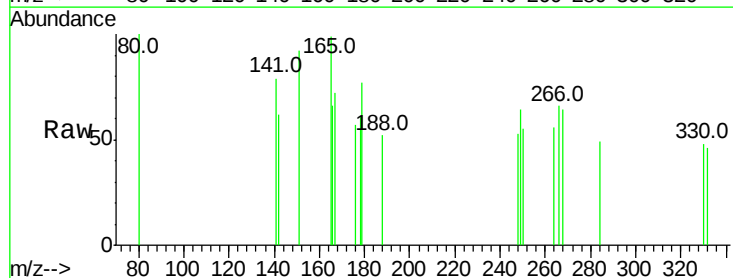
Tgt Ion:266 Resp: 34

Ion Ratio Lower Upper

266 100

264 84.4 72.5 108.7

268 96.9 73.8 110.6





#23

Phenanthrene

Concen: 0.016 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

Instrument :

BNA_E

ClientSampleId :

RE109D1-071618RE

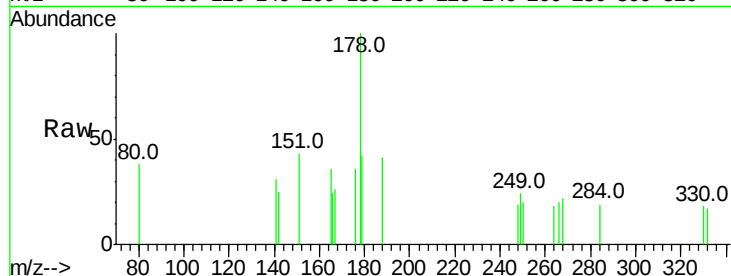
Tot Ion:178 Resp: 381

Ion Ratio Lower Upper

178 100

176 24.7 15.1 22.7#

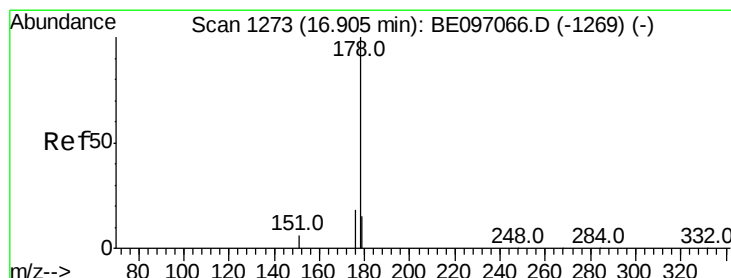
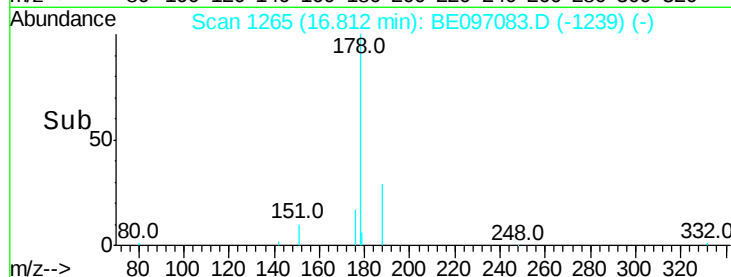
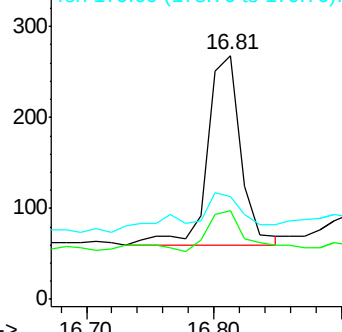
179 34.6 11.8 17.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.002 ng

RT: 16.91 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

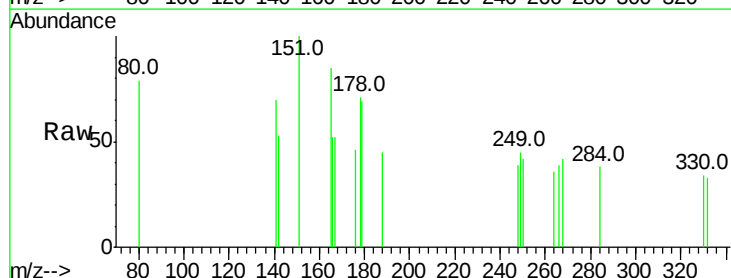
Tgt Ion:178 Resp: 52

Ion Ratio Lower Upper

178 100

176 32.7 12.8 19.2#

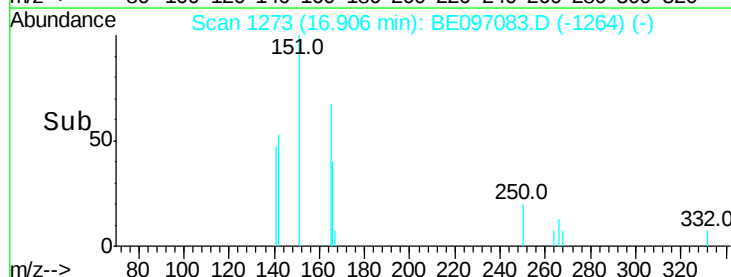
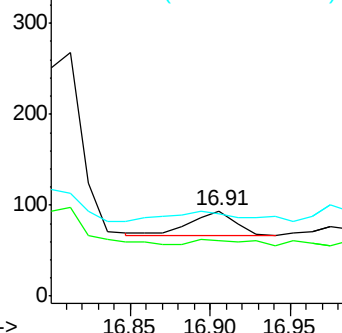
179 71.2 13.0 19.6#



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: 0.217 ng

RT: 18.81 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

Instrument :

BNA_E

ClientSampleId :

RE109D1-071618RE

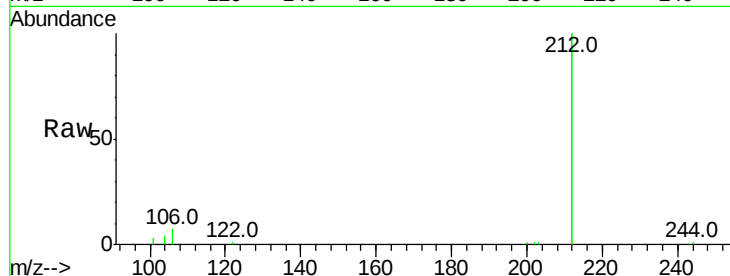
Tot Ion:212 Resp: 22227

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

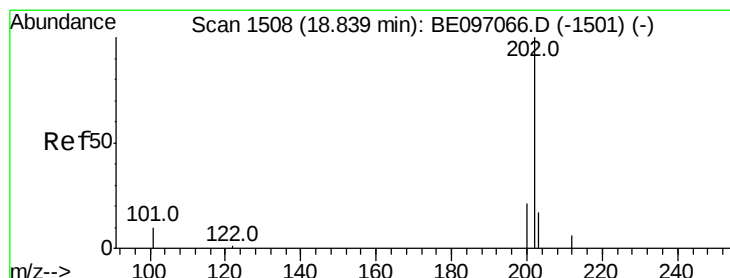
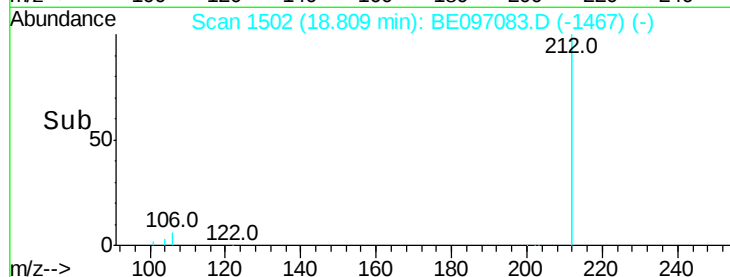
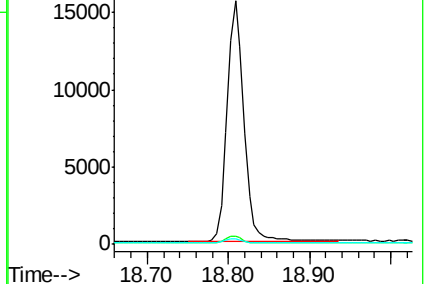
104 2.0 1.6 2.4



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. -0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

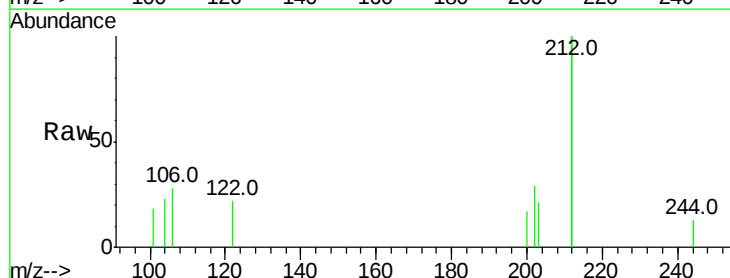
Tgt Ion:202 Resp: 103

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

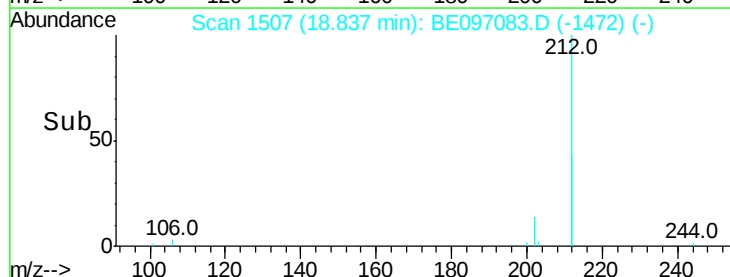
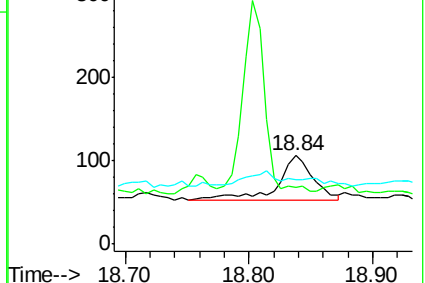
203 0.0 13.7 20.5#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

Instrument :

BNA_E

ClientSampleId :

RE109D1-071618RE

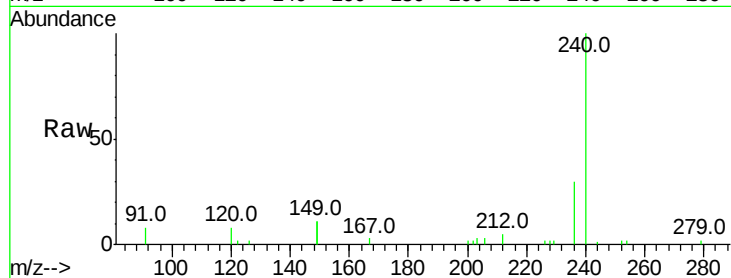
Tot Ion:240 Resp: 6495

Ion Ratio Lower Upper

240 100

120 7.8 5.5 8.3

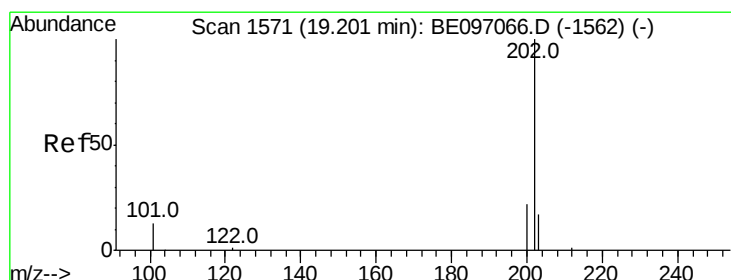
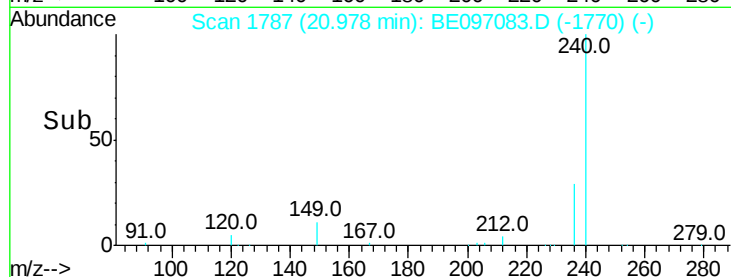
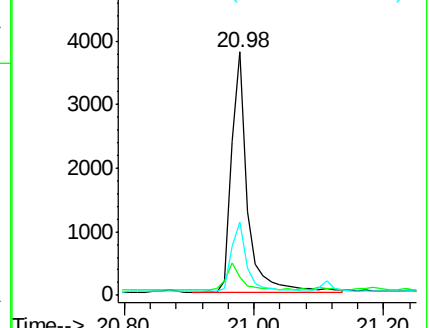
236 30.1 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.001 ng

RT: 19.21 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

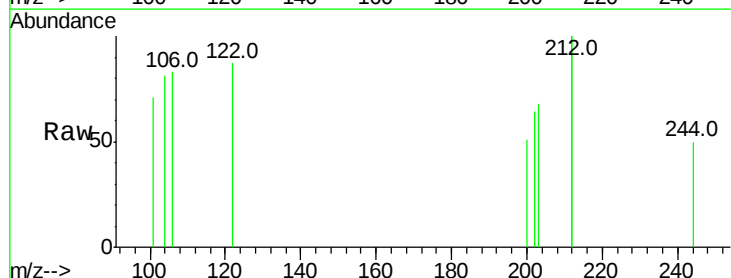
Tgt Ion:202 Resp: 18

Ion Ratio Lower Upper

202 100

200 72.2 16.6 25.0#

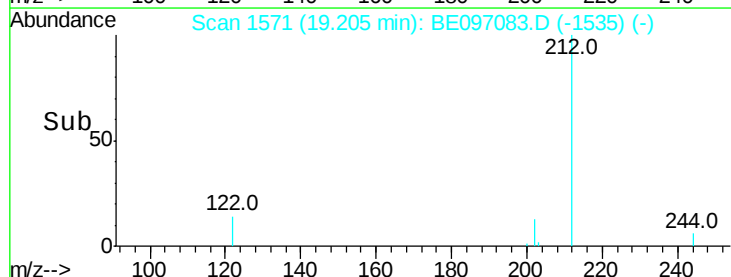
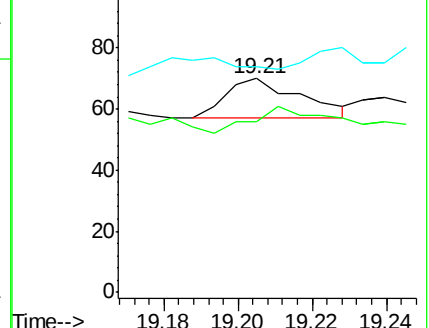
203 0.0 13.8 20.8#



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: 0.739 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

Instrument :

BNA_E

ClientSampleId :

RE109D1-071618RE

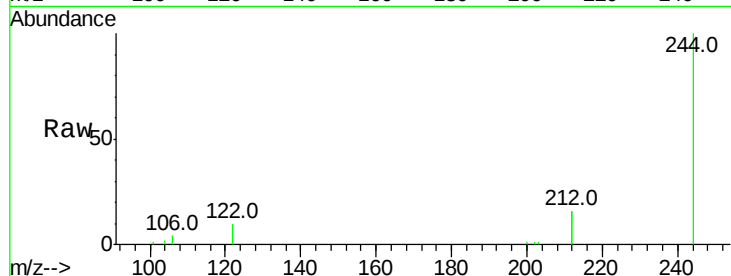
Tot Ion:244 Resp: 9226

Ion Ratio Lower Upper

244 100

212 32.5 25.4 38.0

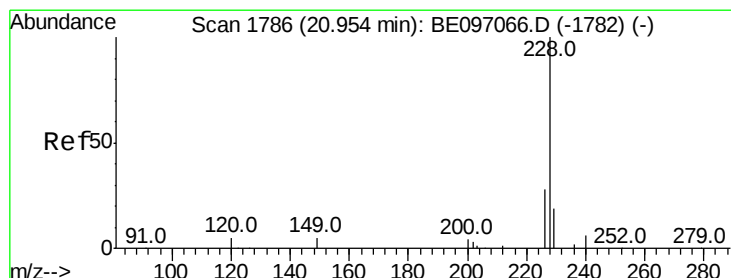
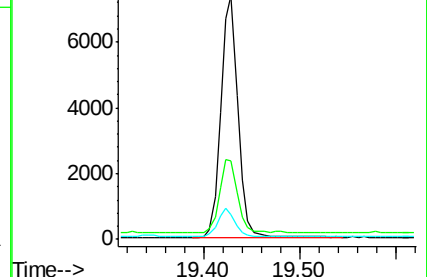
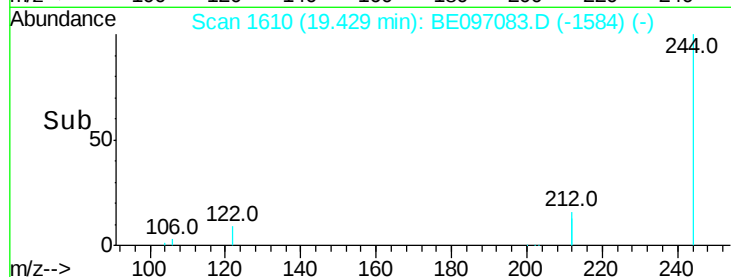
122 10.2 8.1 12.1



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: 0.004 ng

RT: 20.97 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

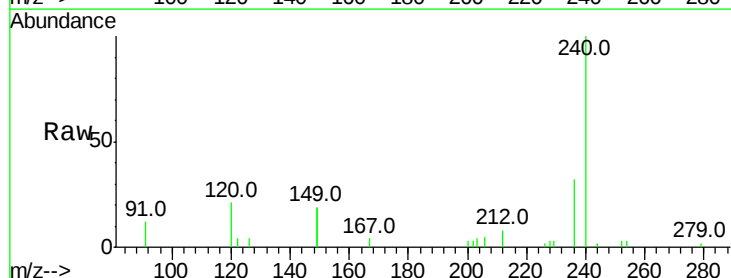
Tgt Ion:228 Resp: 67

Ion Ratio Lower Upper

228 100

226 71.4 24.0 36.0#

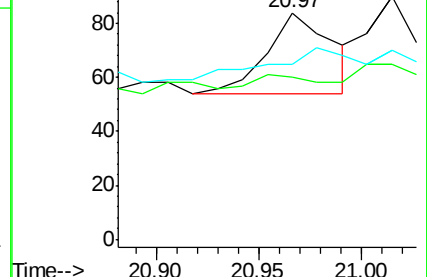
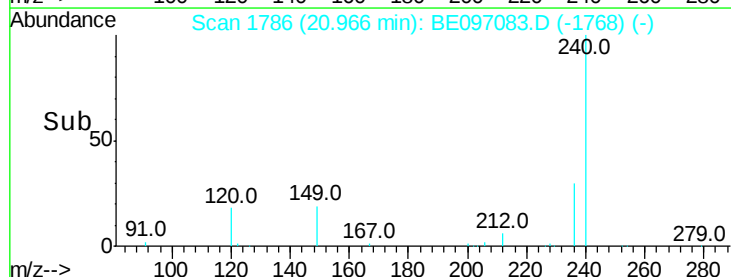
229 77.4 16.0 24.0#



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: 0.003 ng

RT: 21.01 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

Instrument :

BNA_E

ClientSampleId :

RE109D1-071618RE

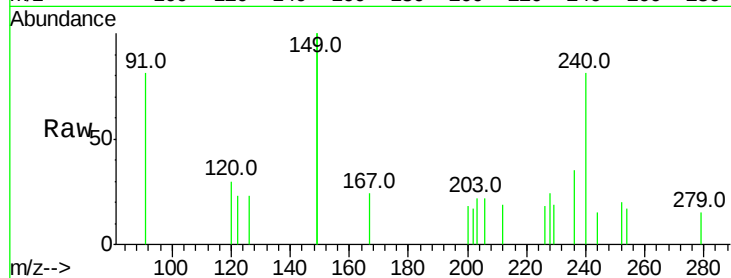
Tot Ion:228 Resp: 46

Ion Ratio Lower Upper

228 100

226 72.2 24.0 36.0#

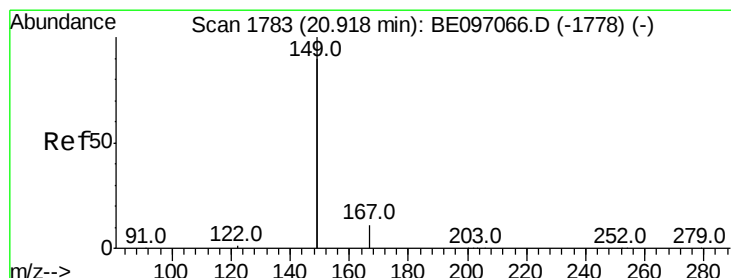
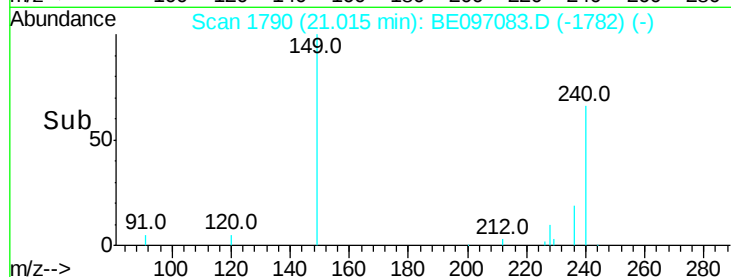
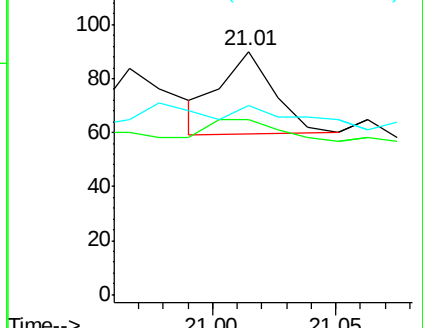
229 77.8 16.0 24.0#



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: 1.504 ng

RT: 20.92 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

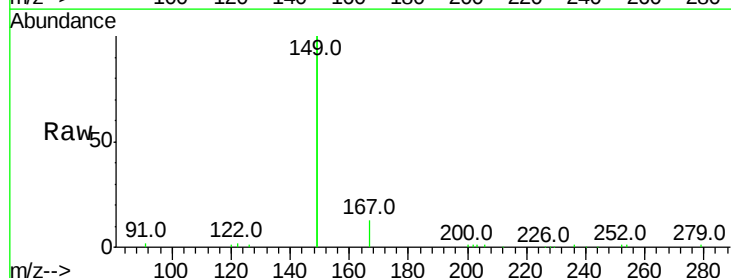
Tgt Ion:149 Resp: 30389

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

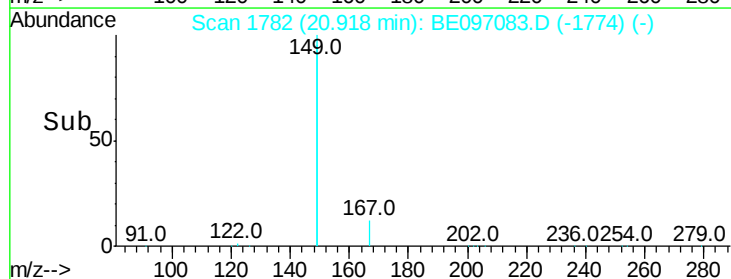
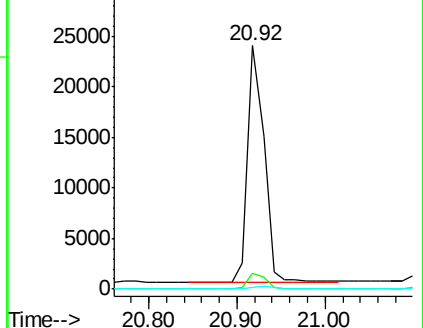
279 1.0 0.7 1.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.000 ng

RT: 25.50 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BE097083.D

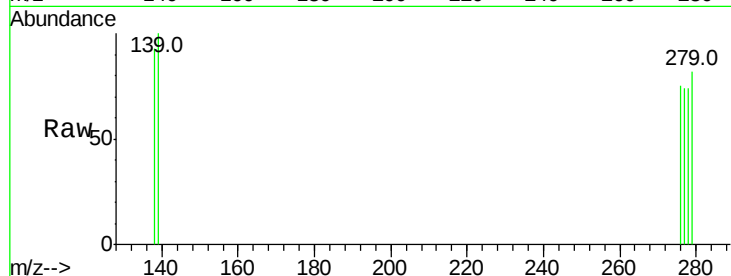
Acq: 24 Jul 2018 22:14

Instrument :

BNA_E

ClientSampleId :

RE109D1-071618RE



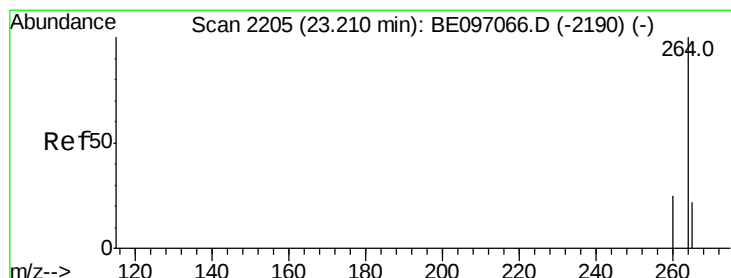
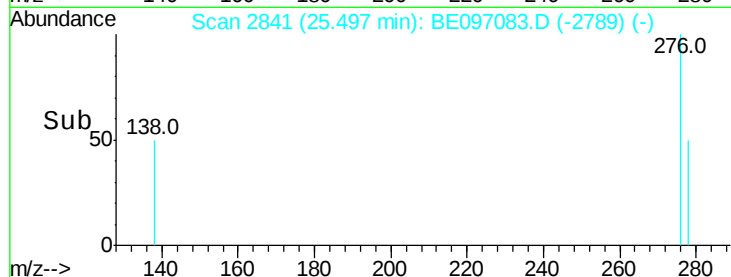
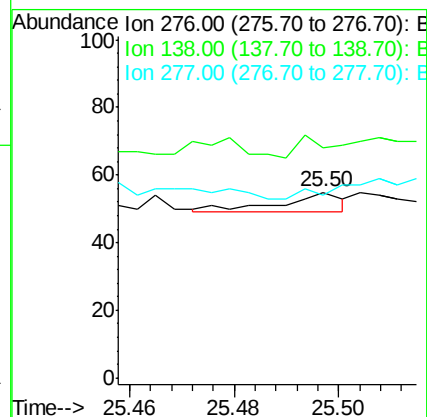
Tot Ion:276 Resp: 5

Ion Ratio Lower Upper

276 100

138 40.0 22.5 33.7#

277 120.0 19.9 29.9#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

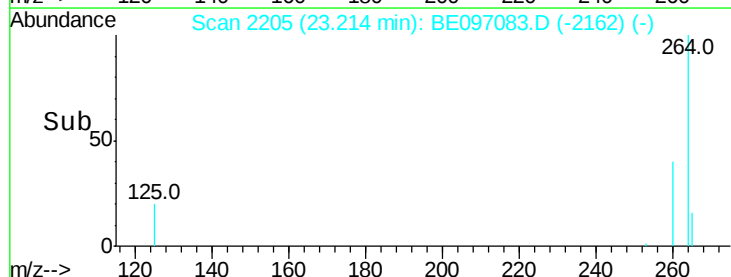
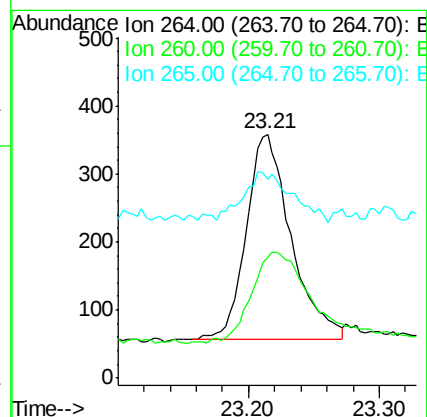
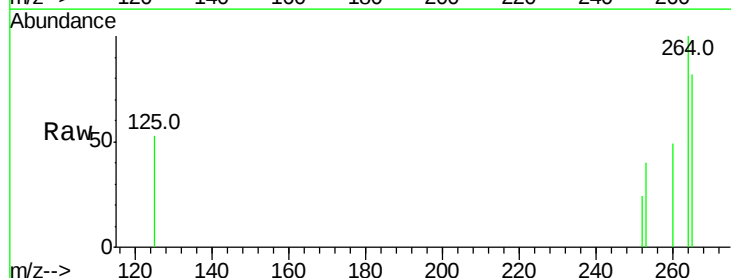
Tgt Ion:264 Resp: 722

Ion Ratio Lower Upper

264 100

260 49.4 20.5 30.7#

265 81.6 22.8 34.2#





#35

Benzo(b)fluoranthene

Concen: 0.034 ng

RT: 22.54 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

Instrument :

BNA_E

ClientSampleId :

RE109D1-071618RE

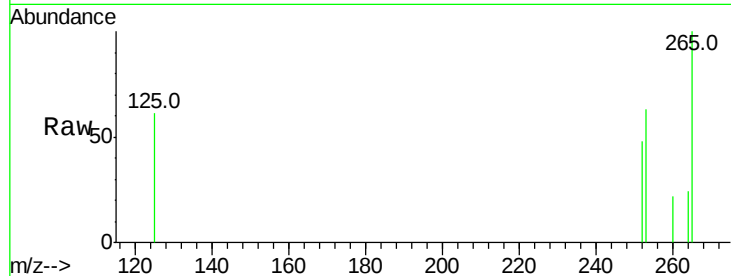
Tot Ion:252 Resp: 62

Ion Ratio Lower Upper

252 100

253 130.9 20.0 30.0#

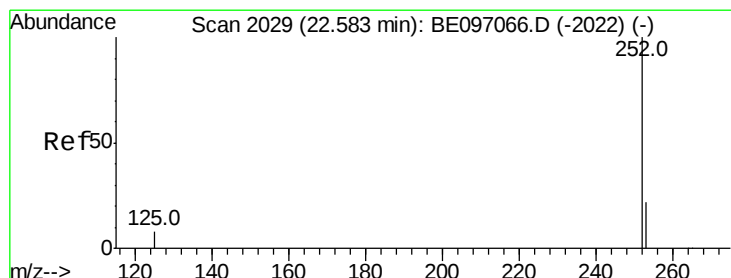
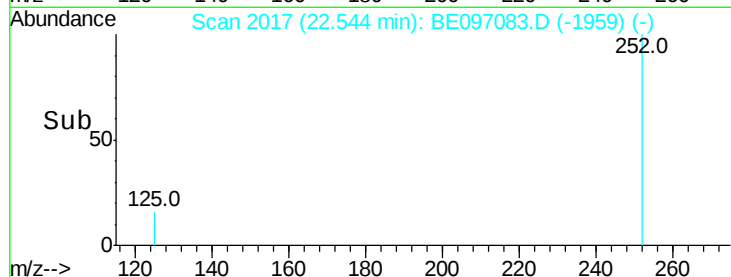
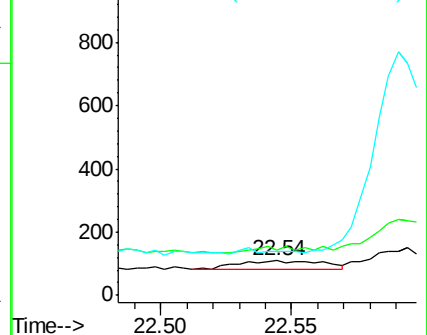
125 128.2 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.054 ng

RT: 22.59 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

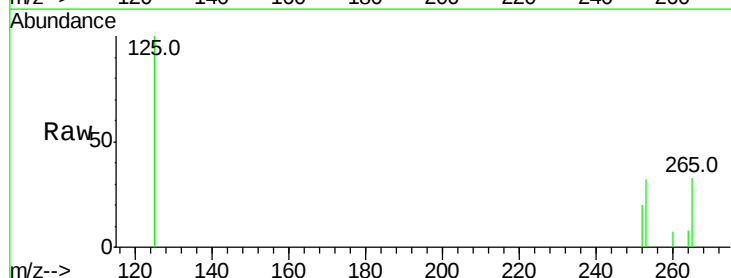
Tgt Ion:252 Resp: 115

Ion Ratio Lower Upper

252 100

253 157.3 16.0 24.0#

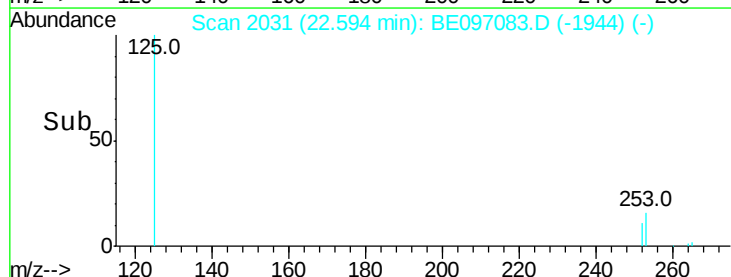
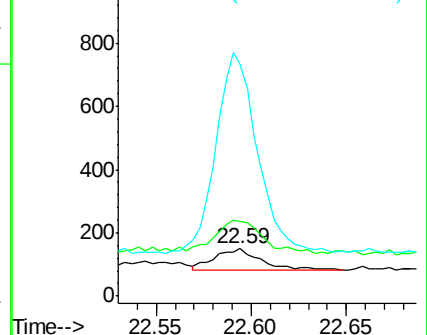
125 489.3 8.0 12.0#



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: 0.003 ng

RT: 23.13 min Scan# 2180

Delta R.T. 0.02 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

Instrument :

BNA_E

ClientSampleId :

RE109D1-071618RE

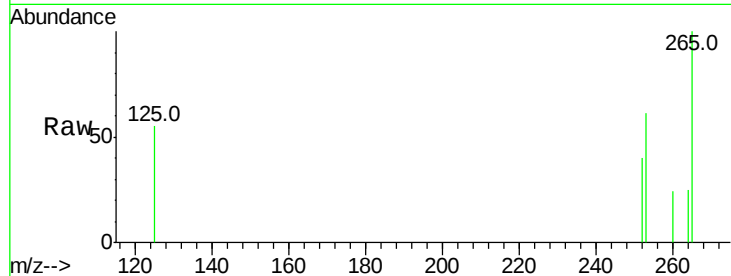
Tot Ion:252 Resp: 6

Ion Ratio Lower Upper

252 100

253 150.5 16.0 24.0#

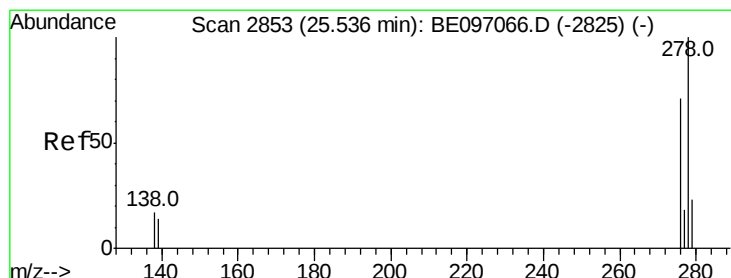
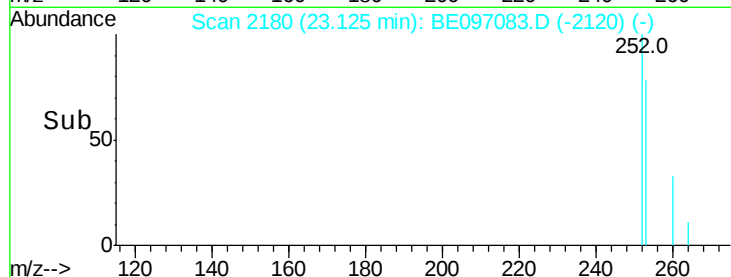
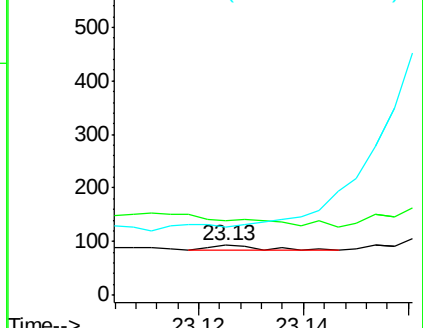
125 137.6 12.0 18.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.005 ng

RT: 25.54 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BE097083.D

Acq: 24 Jul 2018 22:14

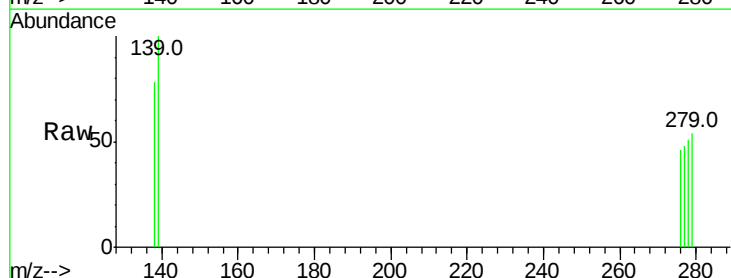
Tgt Ion:278 Resp: 8

Ion Ratio Lower Upper

278 100

139 195.0 16.0 24.0#

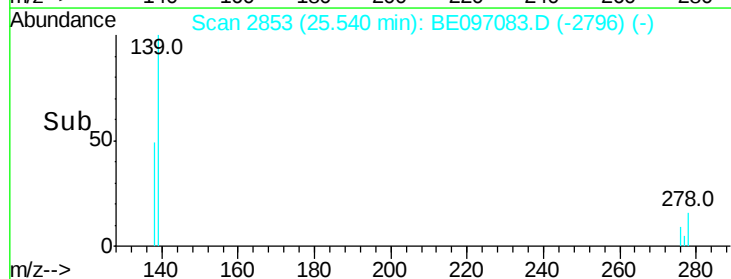
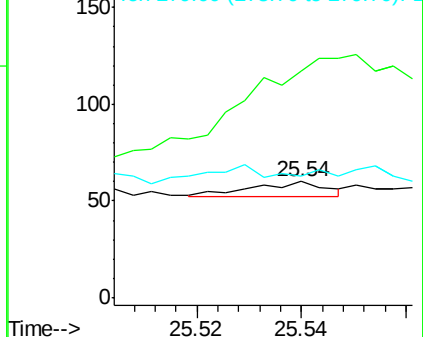
279 105.0 20.0 30.0#



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: 0.003 ng

RT: 26.21 min Scan# 3040

Delta R.T. 0.00 min

Lab File: BE097083.D

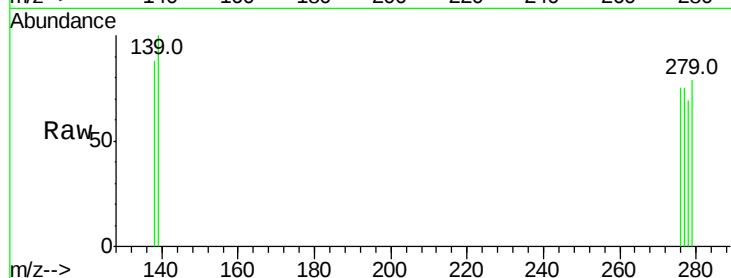
Acq: 24 Jul 2018 22:14

Instrument :

BNA_E

ClientSampleId :

RE109D1-071618RE



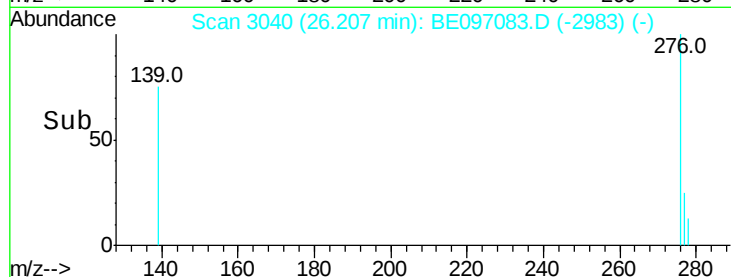
Tot Ion: 276 Resp: 5

Ion Ratio Lower Upper

276 100

277 100.0 16.0 24.0#

138 117.2 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

