

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097082.D
 Acq On : 24 Jul 2018 21:35
 Operator : SJ/JU
 Sample : J4073-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE108D2-071718RE

Quant Time: Jul 25 00:38:40 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	1240	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5519	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3338	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	10109	0.40	ng	0.00
27) Chrysene-d12	20.98	240	10247	0.40	ng	0.00
34) Perylene-d12	23.21	264	9865	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	786	0.23	ng	0.00
5) Phenol-d6	6.60	99	714	0.14	ng	0.00
8) Nitrobenzene-d5	8.53	82	2457	0.51	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4036	0.49	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	676	0.62	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	6722	0.58	ng	0.00
25) Fluoranthene-d10	18.81	212	61862	0.61	ng	0.00
29) Terphenyl-d14	19.42	244	16413	0.83	ng	0.00

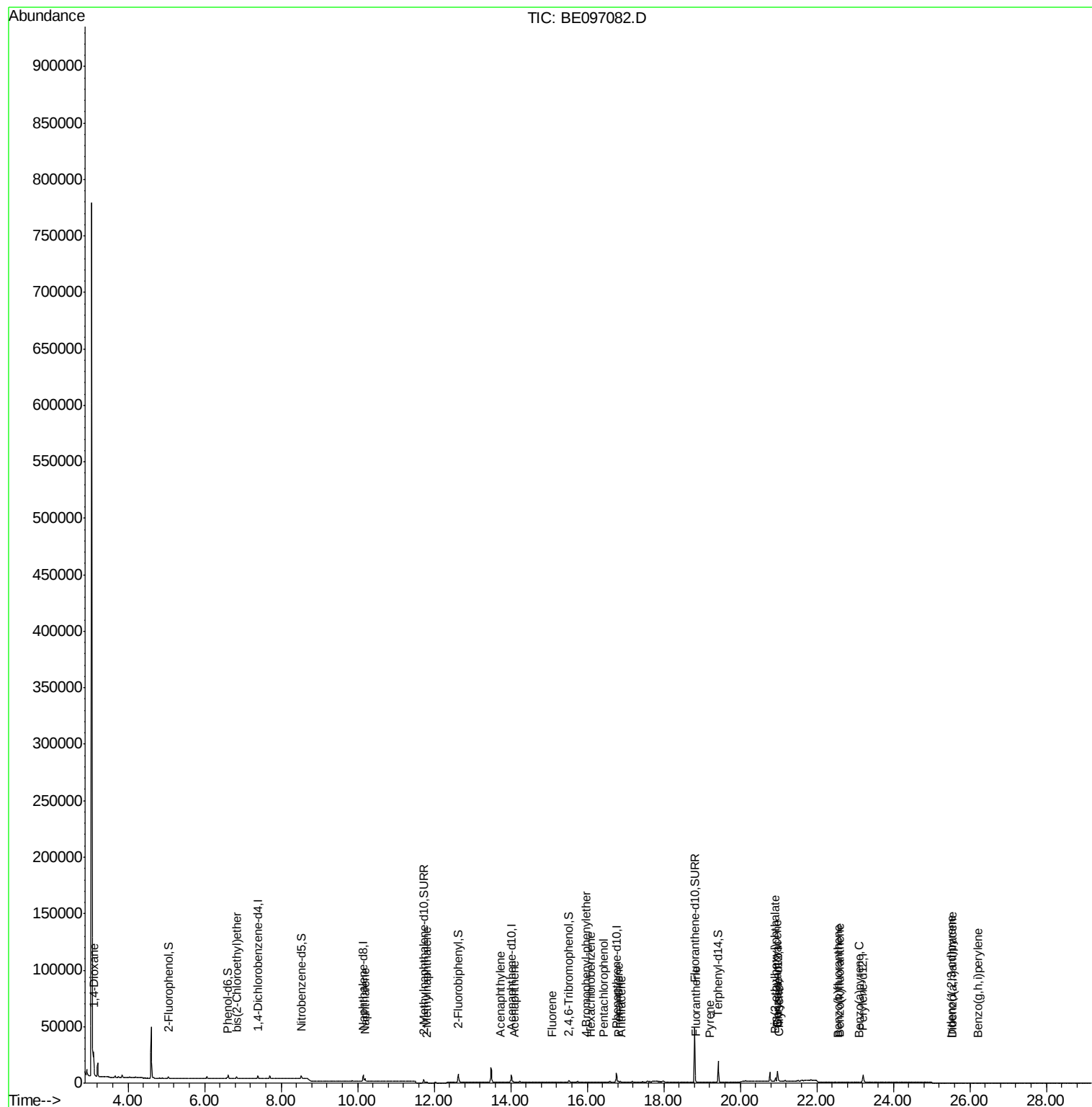
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	8678	4.404	ng	95
6) bis(2-Chloroethyl)ether	6.84	93	557	0.119	ng	93
9) Naphthalene	10.20	128	3660	0.074	ng	# 95
12) 2-Methylnaphthalene	11.80	142	288	0.034	ng	# 83
16) Acenaphthylene	13.74	152	31	0.002	ng	# 33
17) Acenaphthene	14.08	154	44	0.005	ng	# 73
18) Fluorene	15.08	166	127	0.011	ng	# 75
20) 4-Bromophenyl-phenylether	15.97	248	12	0.002	ng	# 33
21) Hexachlorobenzene	16.09	284	6	0.001	ng	# 1
22) Pentachlorophenol	16.43	266	6	0.039	ng	91
23) Phenanthrene	16.81	178	468	0.019	ng	# 90
24) Anthracene	16.89	178	33	0.002	ng	# 1
26) Fluoranthene	18.84	202	94	0.003	ng	# 71
28) Pyrene	19.21	202	79	0.003	ng	# 83
30) Benzo(a)anthracene	20.97	228	75	0.003	ng	# 13
31) Chrysene	21.00	228	48	0.002	ng	# 1
32) Bis(2-ethylhexyl)phthalate	20.92	149	3379	0.122	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.52	276	5	0.000	ng	# 1
35) Benzo(b)fluoranthene	22.55	252	62	0.002	ng	# 1
36) Benzo(k)fluoranthene	22.59	252	93	0.003	ng	# 1
37) Benzo(a)pyrene	23.10	252	6	0.000	ng	# 1
38) Dibenzo(a,h)anthracene	25.55	278	20	0.001	ng	# 1
39) Benzo(g,h,i)perylene	26.21	276	24	0.001	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: BE097082.D

Acq: 24 Jul 2018 21:35

Instrument :

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ClientSampleId :

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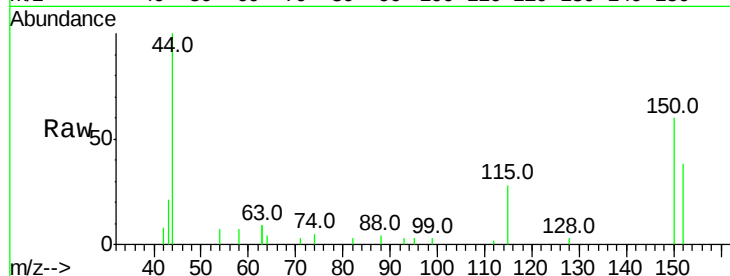
Tot Ion:152 Resp: 1240

Ion Ratio Lower Upper

152 100

150 155.2 117.2 175.8

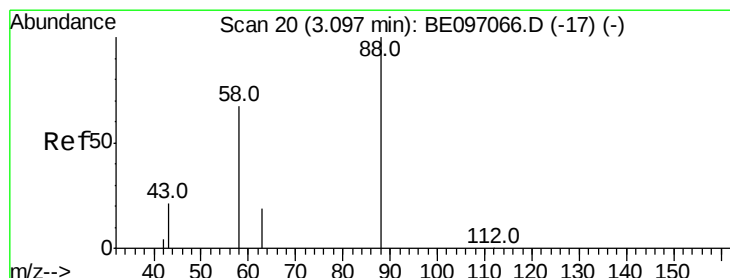
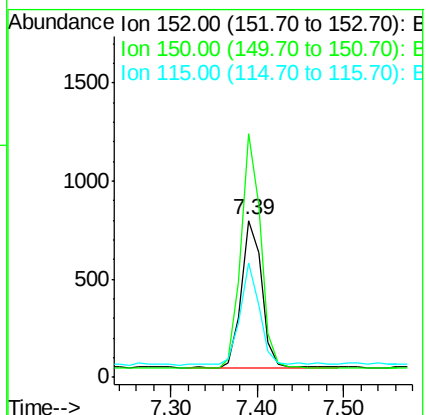
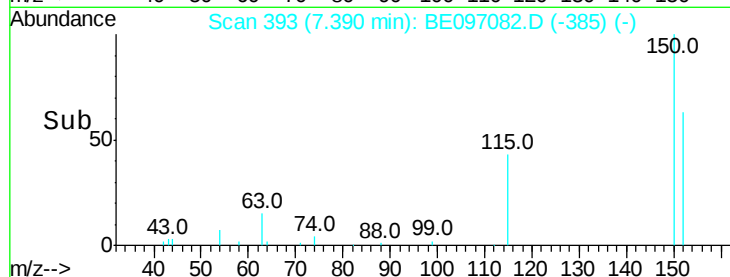
115 73.2 57.0 85.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 4.404 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

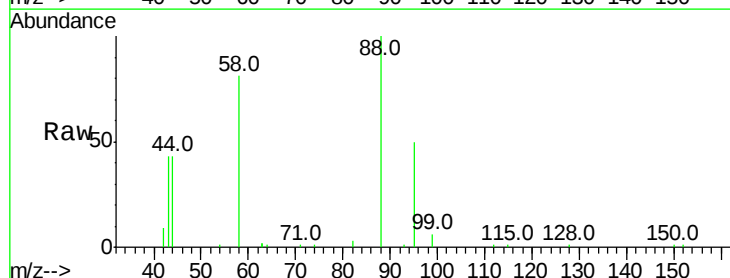
Tgt Ion: 88 Resp: 8678

Ion Ratio Lower Upper

88 100

58 82.7 63.2 94.8

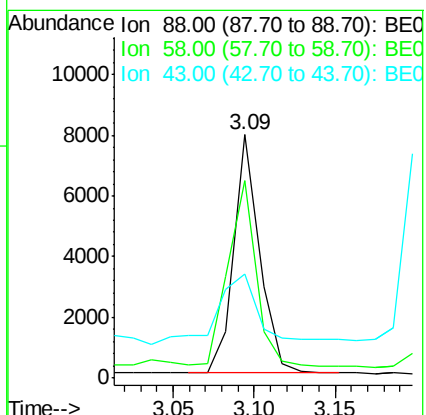
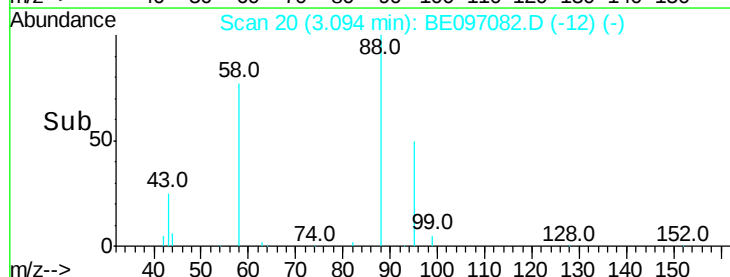
43 47.9 41.2 61.8

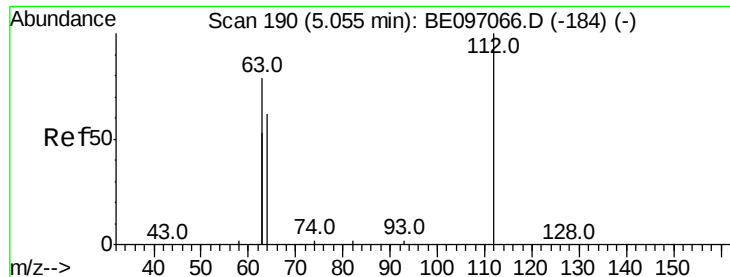


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.226 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

Instrument :

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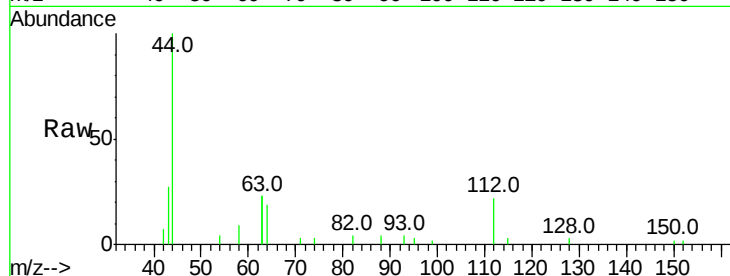
Tot Ion:112 Resp: 786

Ion Ratio Lower Upper

112 100

64 73.8 60.1 90.1

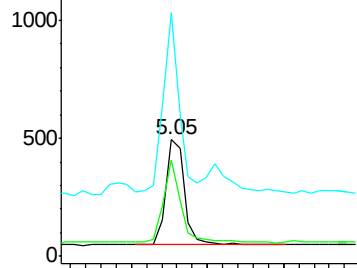
63 144.4 116.8 175.2



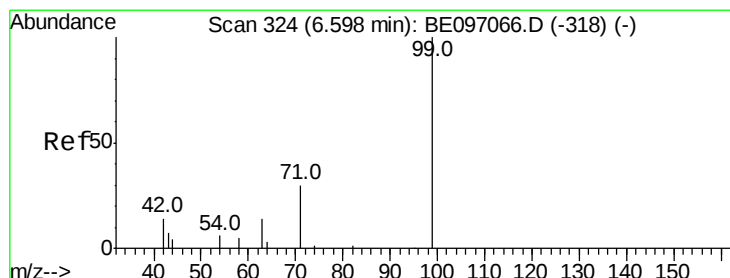
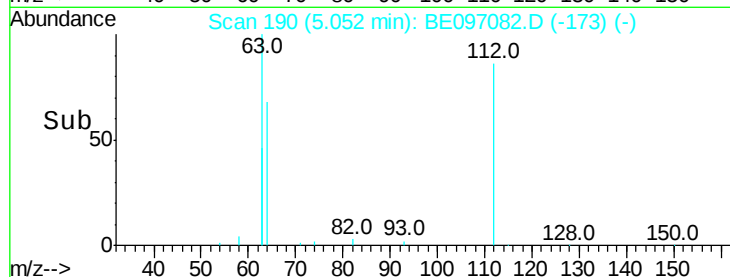
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->



#5

Phenol-d6

Concen: 0.140 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

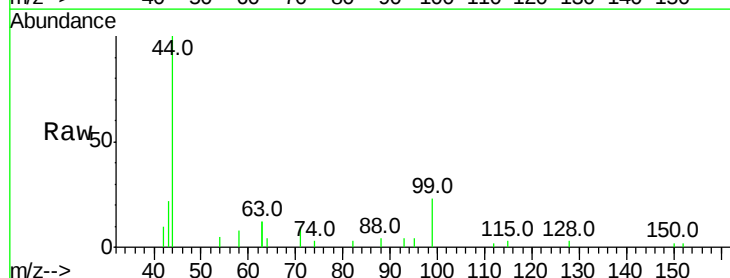
Tgt Ion: 99 Resp: 714

Ion Ratio Lower Upper

99 100

42 39.9 20.2 30.2#

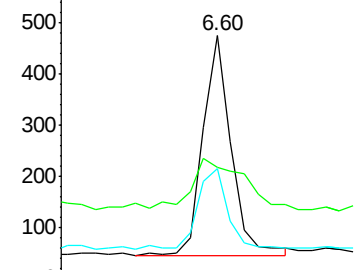
71 39.9 28.4 42.6



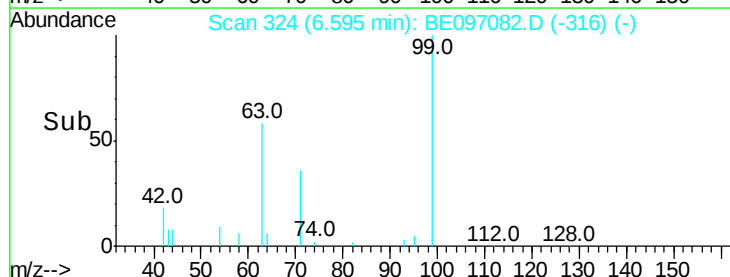
Abundance Ion 99.00 (98.70 to 99.70): BE0

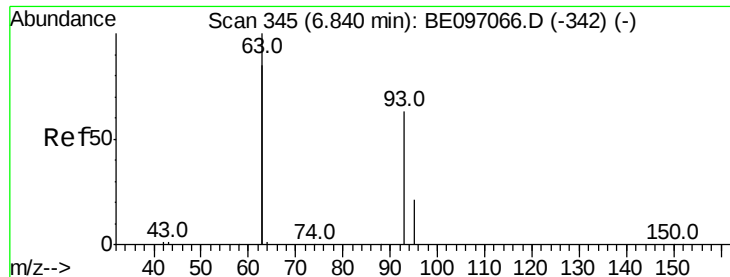
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->





#6

bis(2-Chloroethyl)ether

Concen: 0.119 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

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RE108D2-071718RE

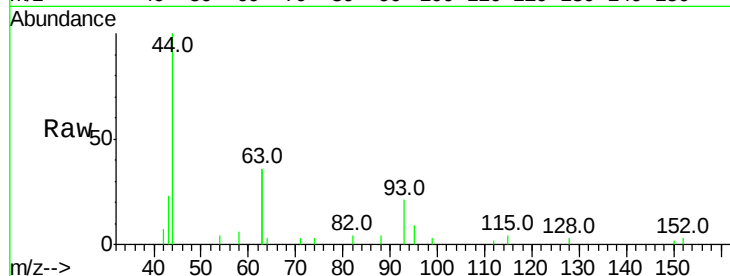
Tot Ion: 93 Resp: 557

Ion Ratio Lower Upper

93 100

63 359.1 275.3 412.9

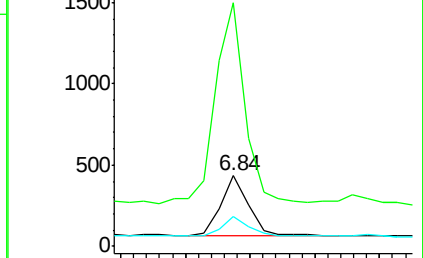
95 32.3 25.2 37.8



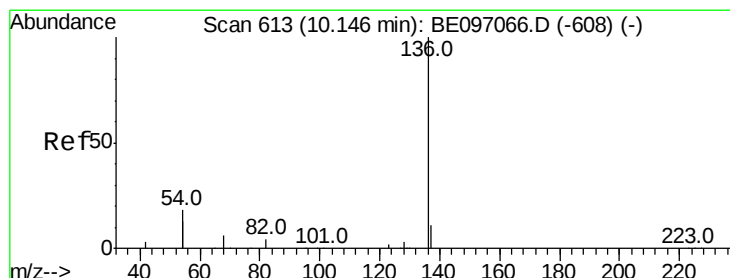
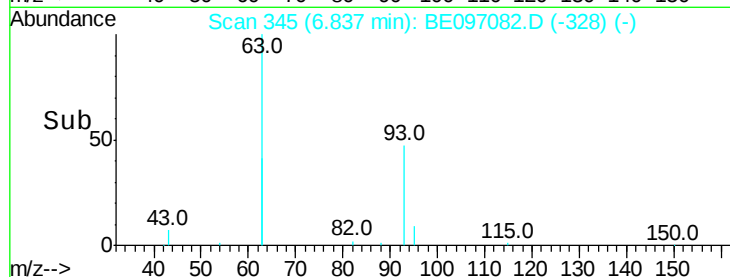
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time--> 6.75 6.80 6.85 6.90 6.95



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

Tgt Ion: 136 Resp: 5519

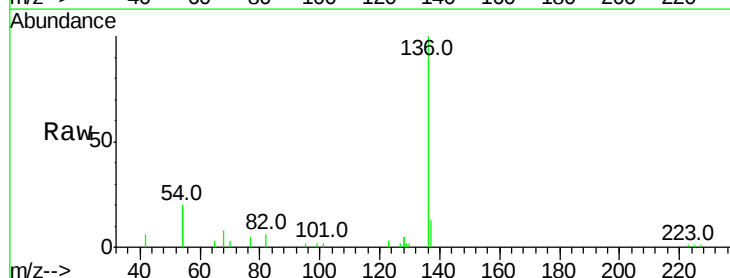
Ion Ratio Lower Upper

136 100

137 12.7 9.5 14.3

54 39.6 29.1 43.7

68 8.2 6.2 9.2

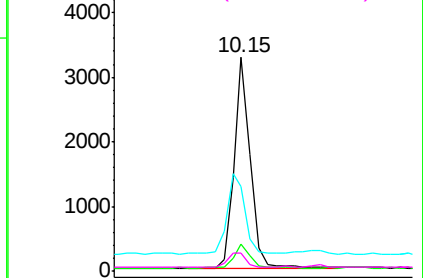


Abundance Ion 136.00 (135.70 to 136.70): E

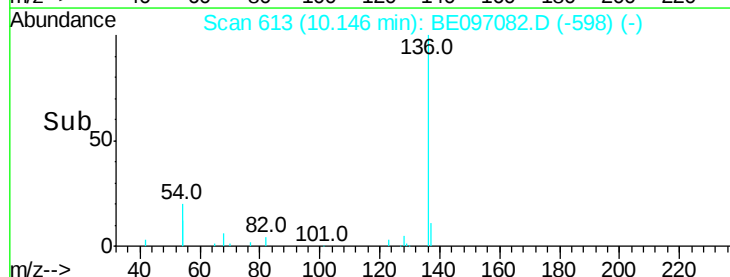
Ion 137.00 (136.70 to 137.70): E

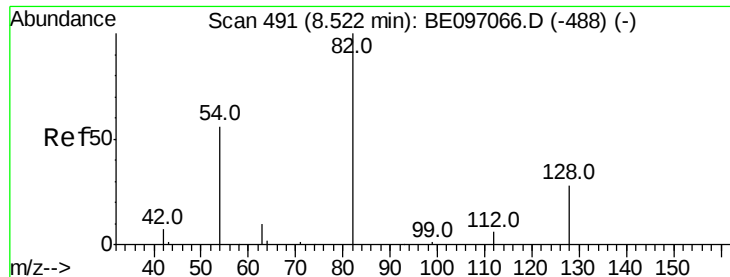
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time--> 10.00 10.20





#8

Nitrobenzene-d5

Concen: 0.512 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

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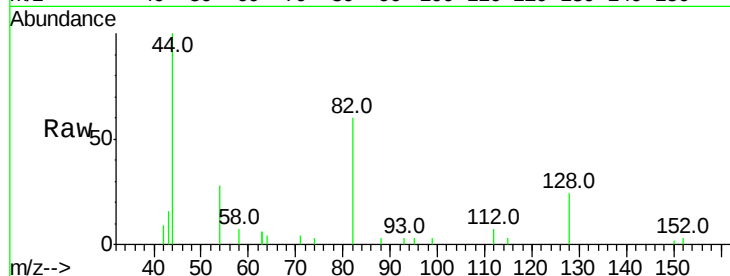
Tot Ion: 82 Resp: 2457

Ion Ratio Lower Upper

82 100

128 39.2 24.0 36.0#

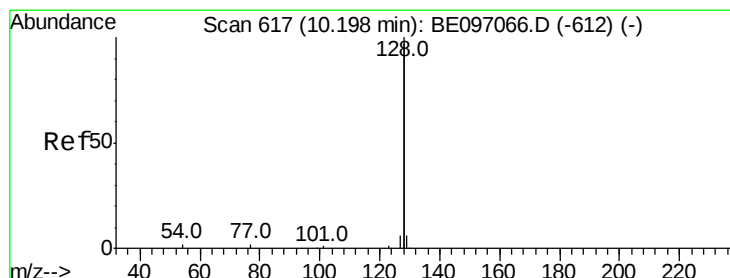
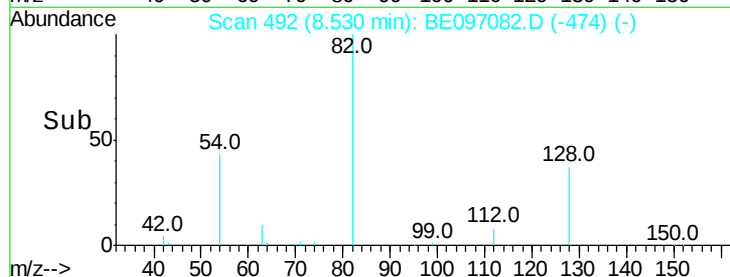
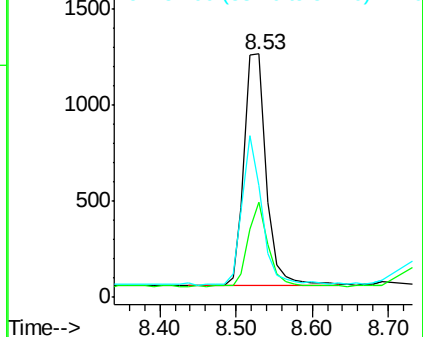
54 46.0 40.0 60.0



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: 0.074 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

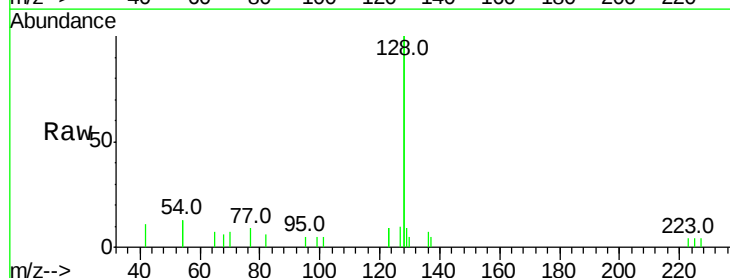
Tgt Ion:128 Resp: 3660

Ion Ratio Lower Upper

128 100

129 4.7 2.6 3.8#

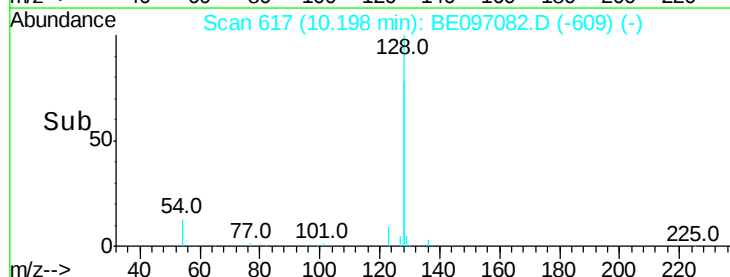
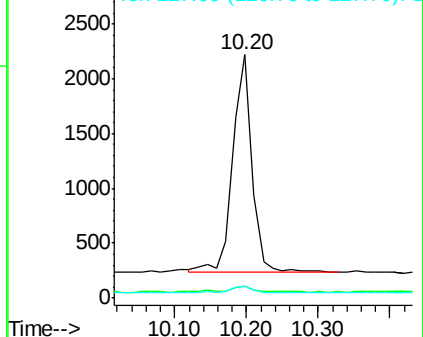
127 5.0 2.8 4.2#

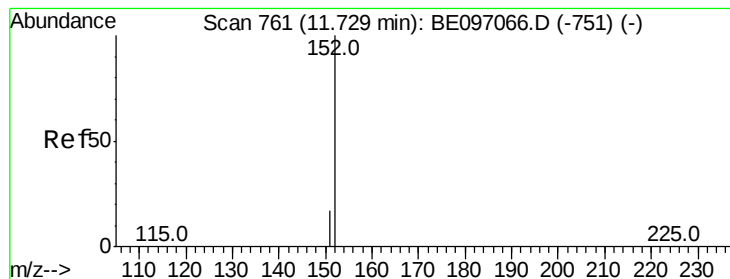


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.489 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

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ClientSampleId :

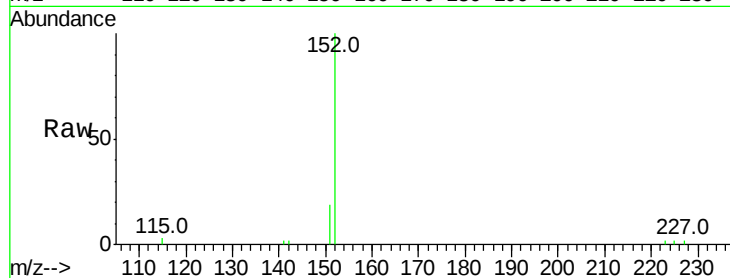
RE108D2-071718RE

Tot Ion:152 Resp: 4036

Ion Ratio Lower Upper

152 100

151 21.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2500

2000

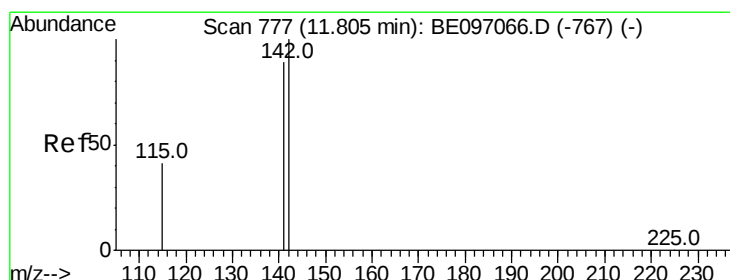
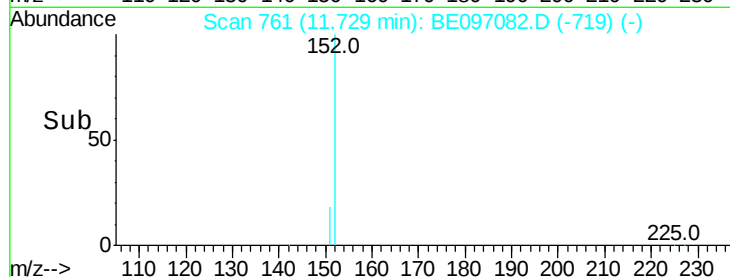
1500

1000

500

0

Time--> 11.60 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.034 ng

RT: 11.80 min Scan# 777

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

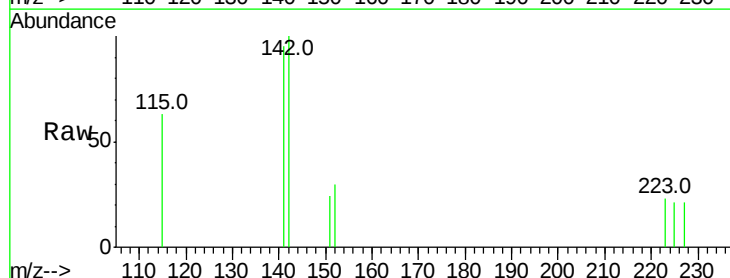
Tgt Ion:142 Resp: 288

Ion Ratio Lower Upper

142 100

141 94.8 70.4 105.6

115 63.0 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

250

200

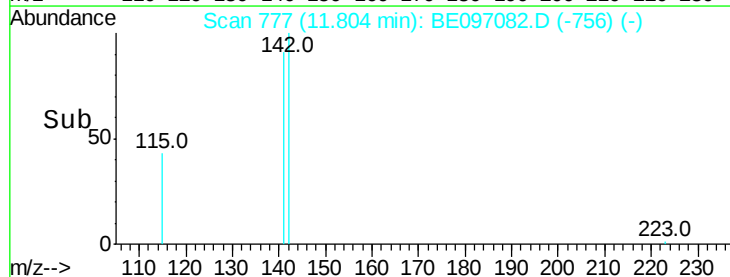
150

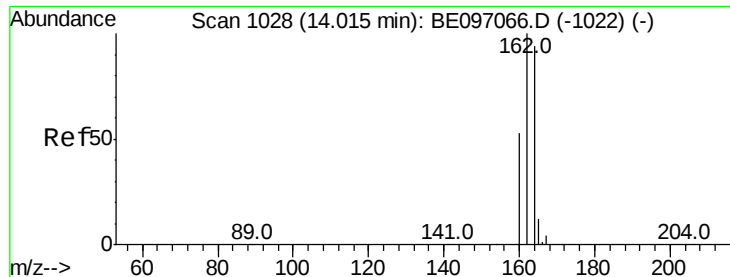
100

50

0

Time--> 11.75 11.80 11.85





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

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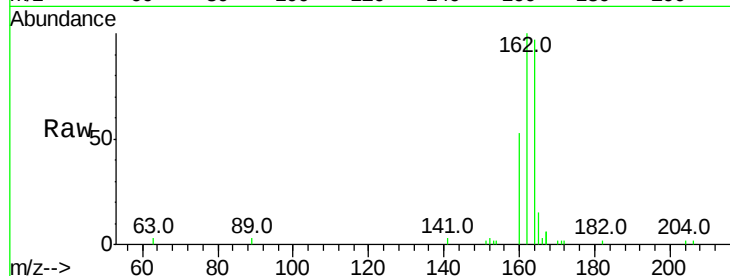
Tot Ion:164 Resp: 3338

Ion Ratio Lower Upper

164 100

162 103.3 83.1 124.7

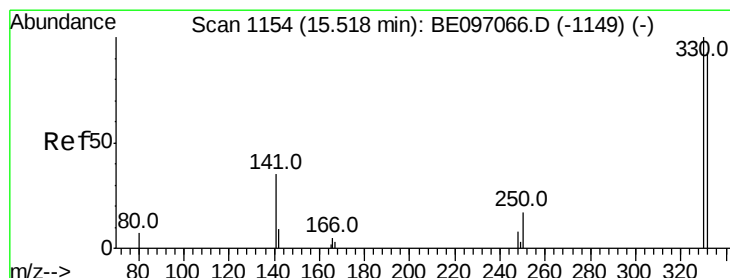
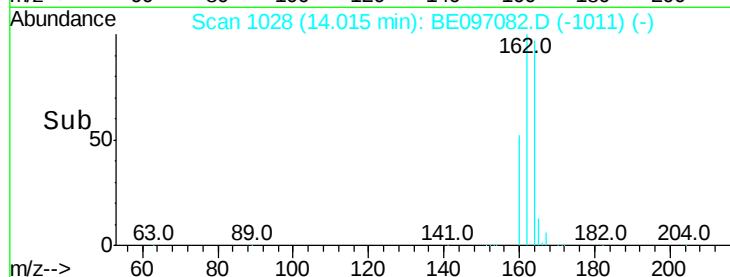
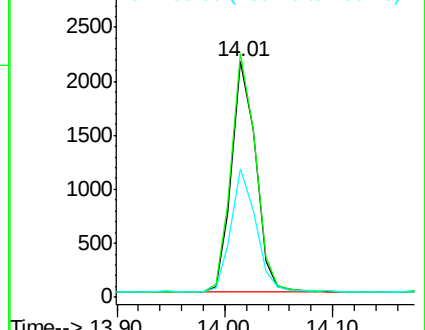
160 54.6 37.1 55.7



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: 0.615 ng

RT: 15.52 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE097082.D

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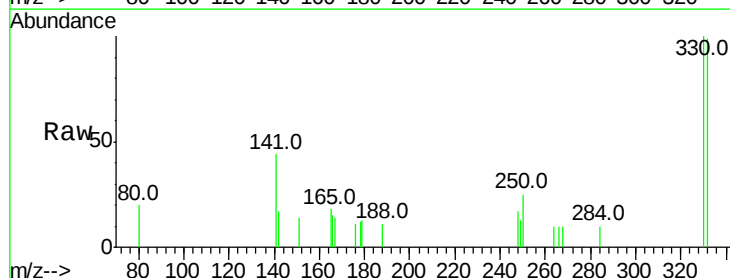
Tgt Ion:330 Resp: 676

Ion Ratio Lower Upper

330 100

332 97.5 152.7 229.1#

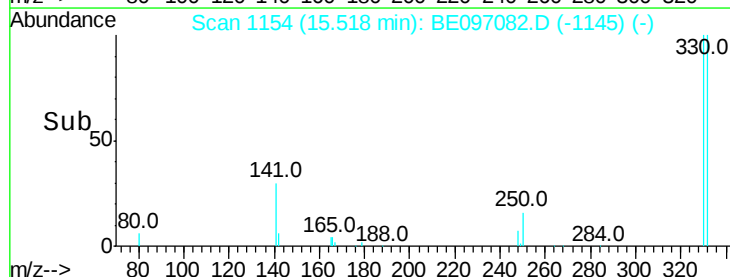
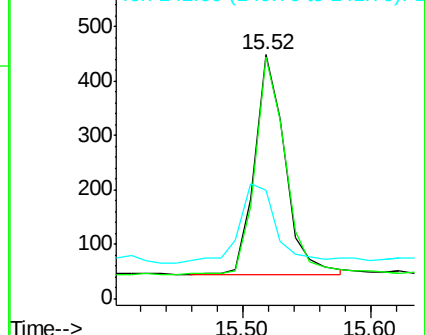
141 44.4 33.7 50.5

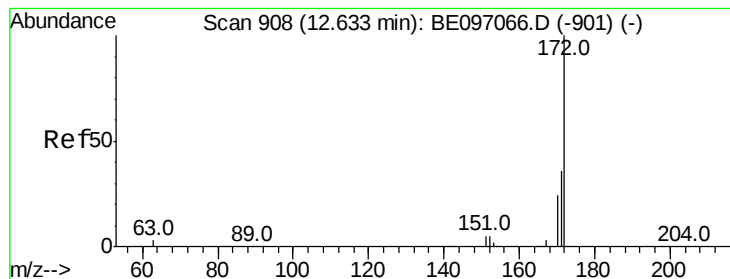


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.583 ng

RT: 12.63 min Scan# 908

Delta R.T. -0.00 min

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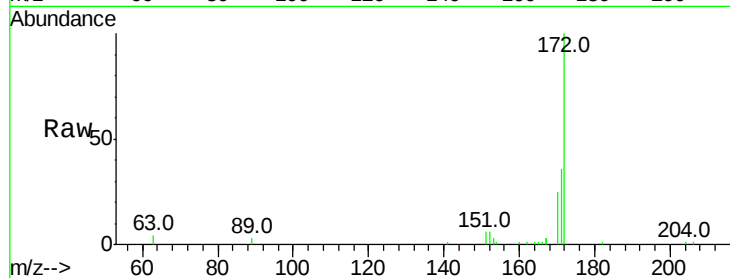
Tot Ion:172 Resp: 6722

Ion Ratio Lower Upper

172 100

171 36.0 29.9 44.9

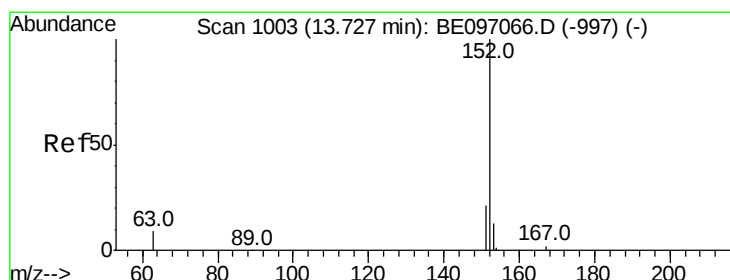
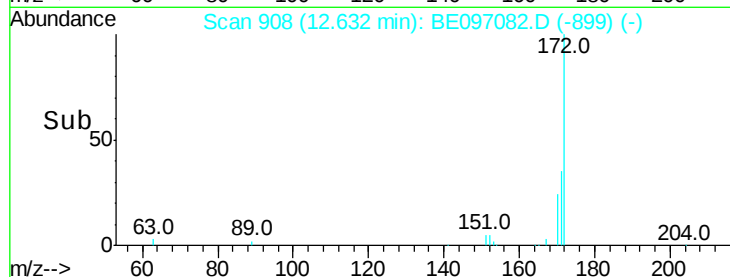
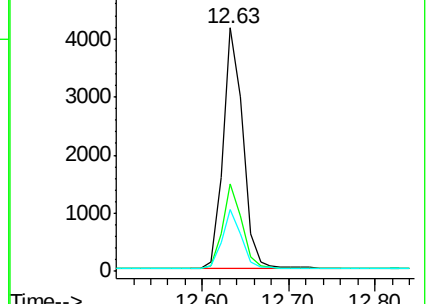
170 25.2 21.8 32.8



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: 13.74 min Scan# 1004

Delta R.T. 0.01 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

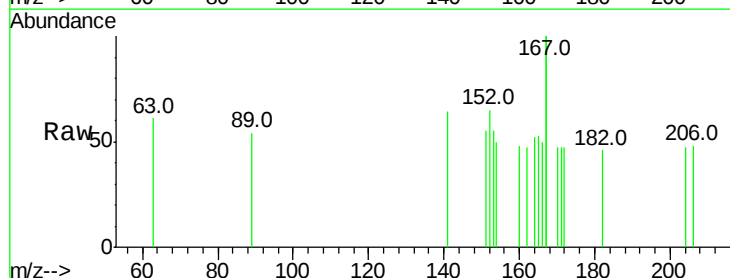
Tgt Ion:152 Resp: 31

Ion Ratio Lower Upper

152 100

151 38.7 15.7 23.5#

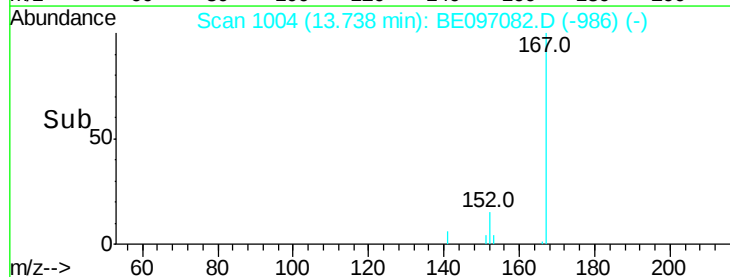
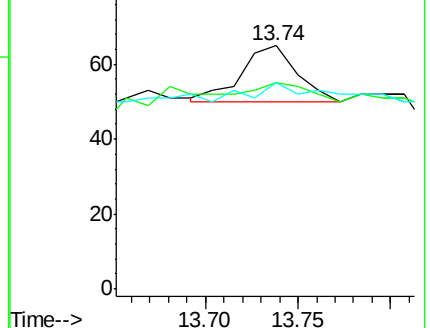
153 54.8 10.5 15.7#

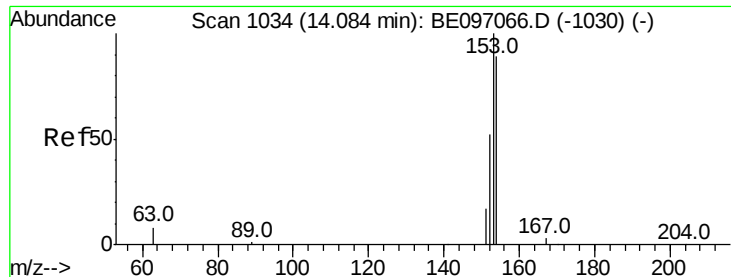


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.005 ng

RT: 14.08 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718RE

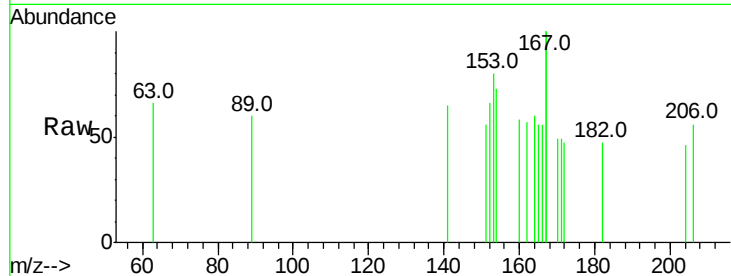
Tot Ion:154 Resp: 44

Ion Ratio Lower Upper

154 100

153 104.5 89.2 133.8

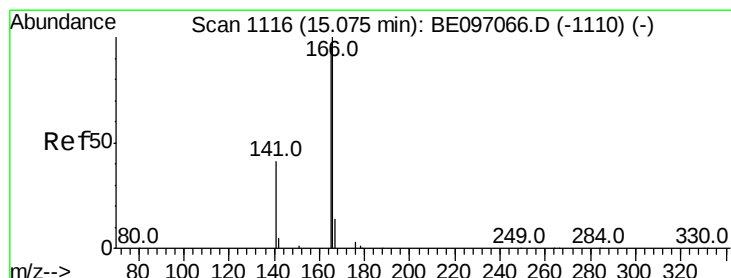
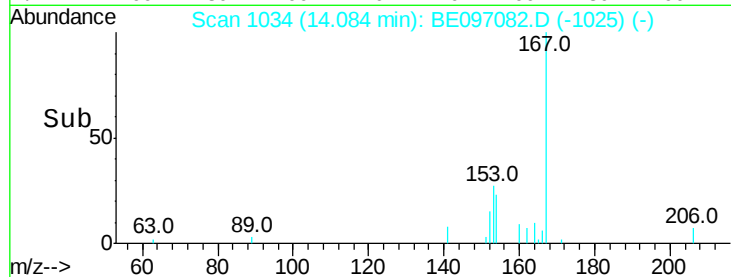
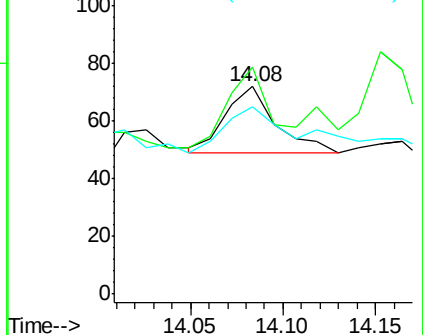
152 102.3 42.0 63.0#



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: 0.011 ng

RT: 15.08 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

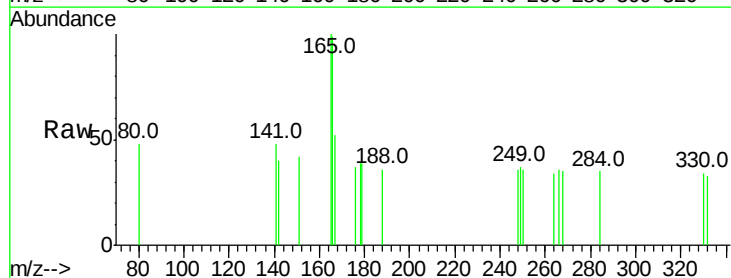
Tgt Ion:166 Resp: 127

Ion Ratio Lower Upper

166 100

165 111.8 77.8 116.6

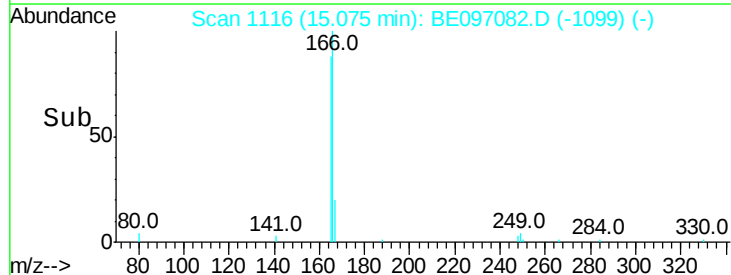
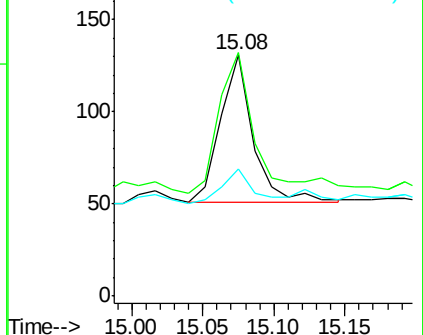
167 22.0 42.4 63.6#

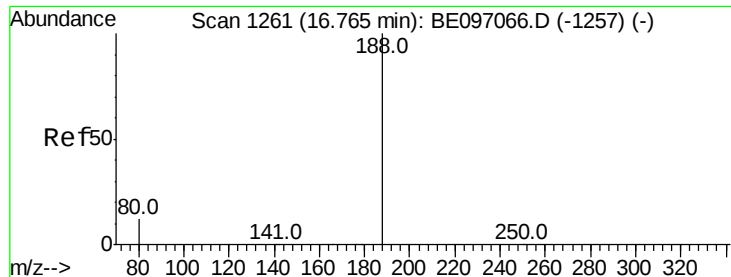


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE097082.D

Acq: 24 Jul 2018 21:35

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718RE

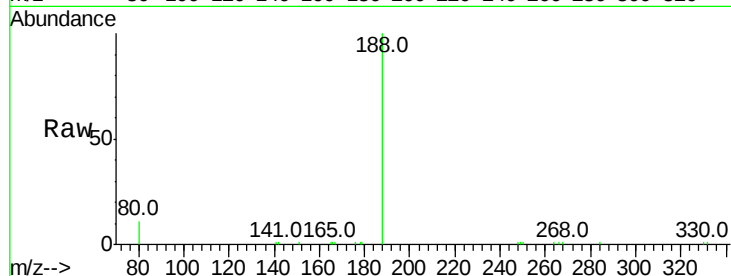
Tot Ion:188 Resp: 10109

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

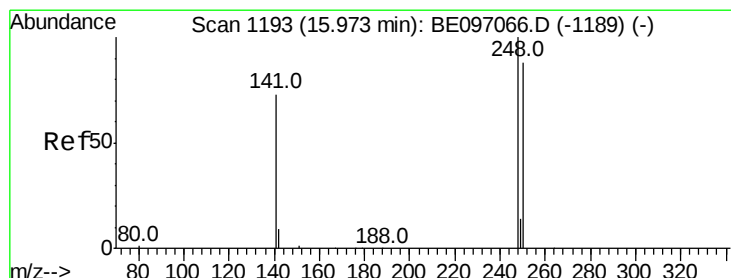
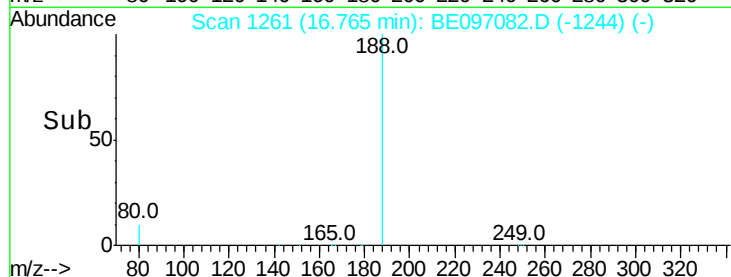
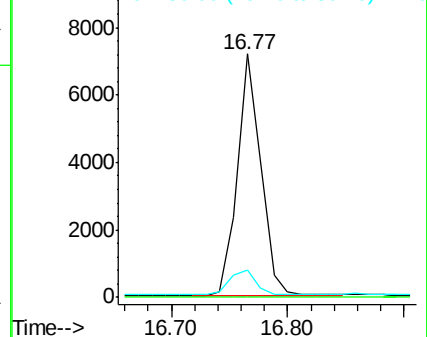
80 11.5 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.002 ng

RT: 15.97 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

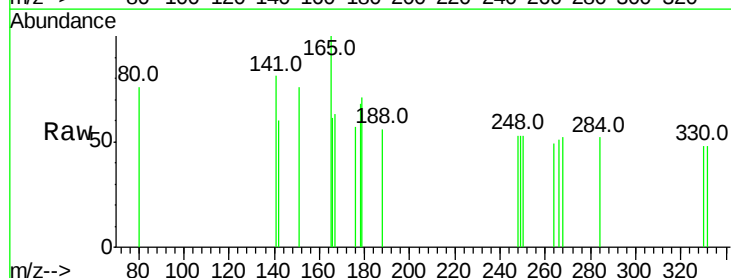
Tgt Ion:248 Resp: 12

Ion Ratio Lower Upper

248 100

250 100.0 62.7 94.1#

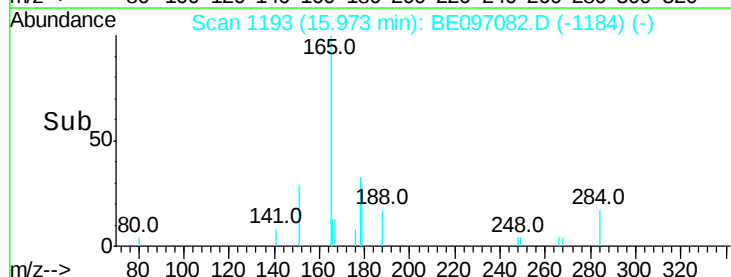
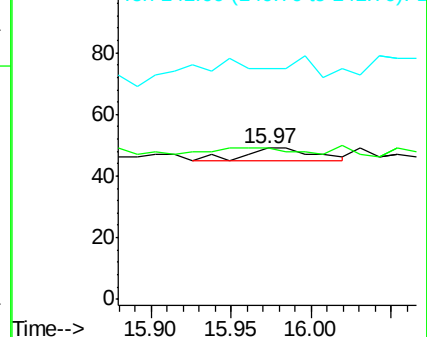
141 153.1 48.2 72.2#

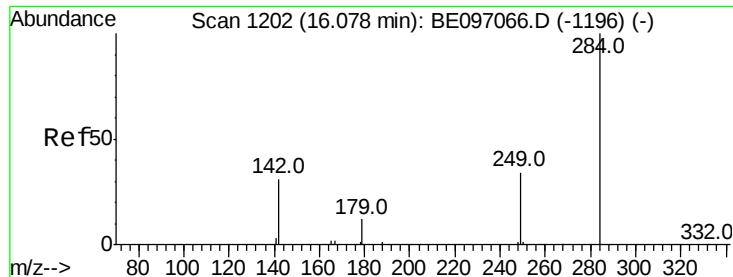


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.001 ng

RT: 16.09 min Scan# 1203

Delta R.T. 0.01 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718RE

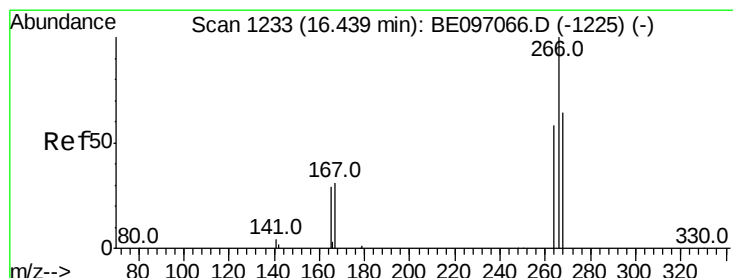
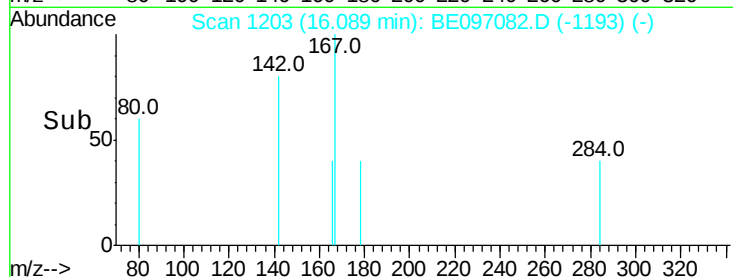
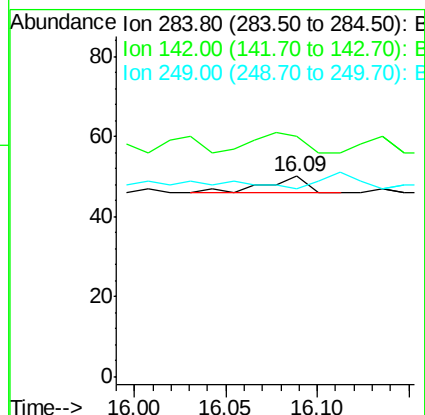
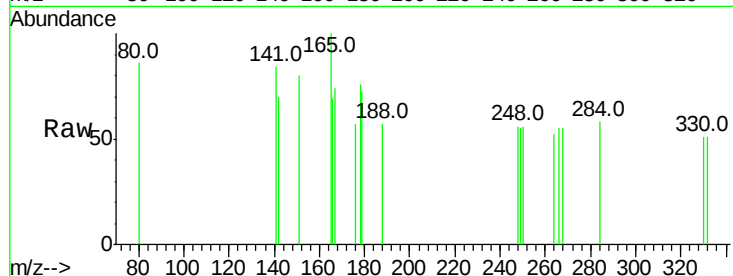
Tot Ion:284 Resp: 6

Ion Ratio Lower Upper

284 100

142 150.0 22.1 33.1#

249 0.0 34.8 52.2#



#22

Pentachlorophenol

Concen: 0.039 ng

RT: 16.43 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

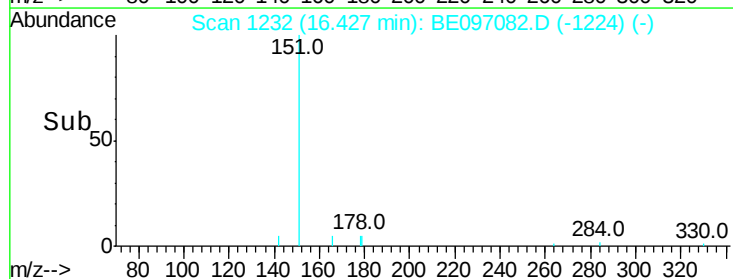
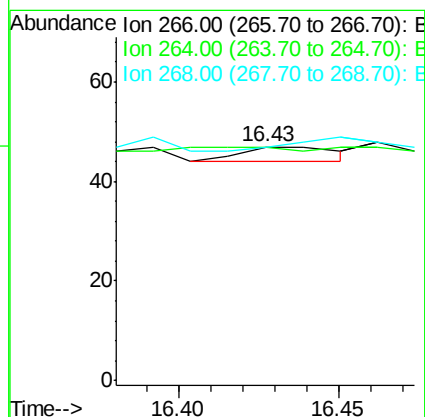
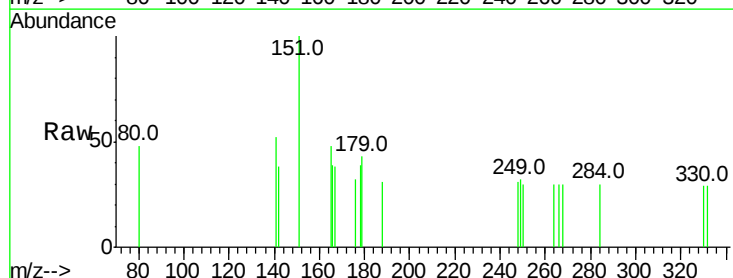
Tgt Ion:266 Resp: 6

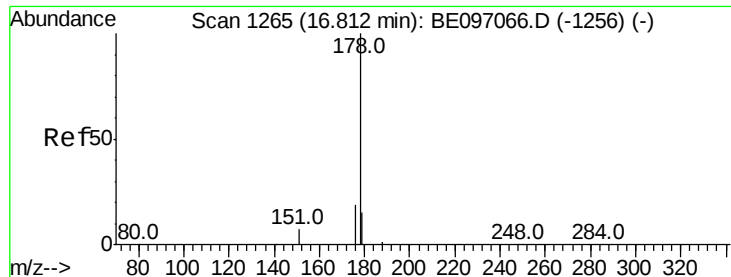
Ion Ratio Lower Upper

266 100

264 100.0 72.5 108.7

268 100.0 73.8 110.6





#23

Phenanthrene

Concen: 0.019 ng

RT: 16.81 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718RE

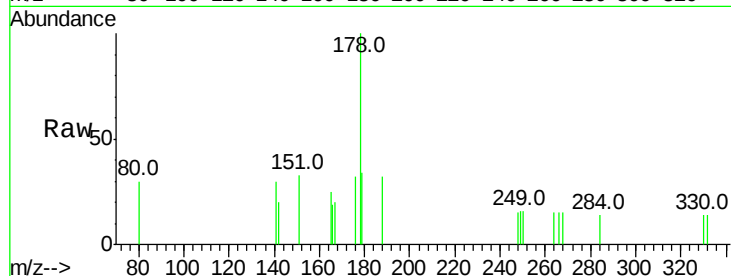
Tot Ion:178 Resp: 468

Ion Ratio Lower Upper

178 100

176 20.7 15.1 22.7

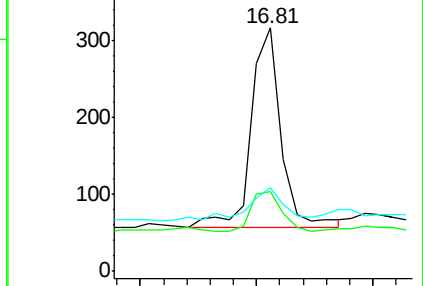
179 21.6 11.8 17.6#



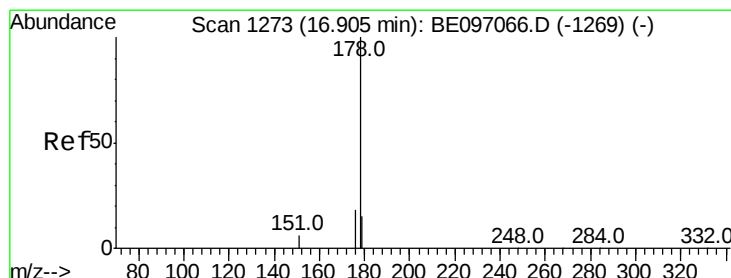
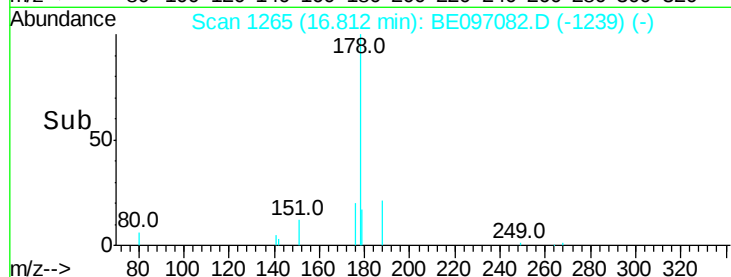
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.002 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

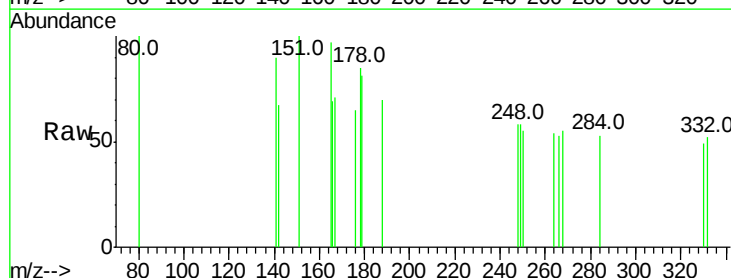
Tgt Ion:178 Resp: 33

Ion Ratio Lower Upper

178 100

176 75.8 12.8 19.2#

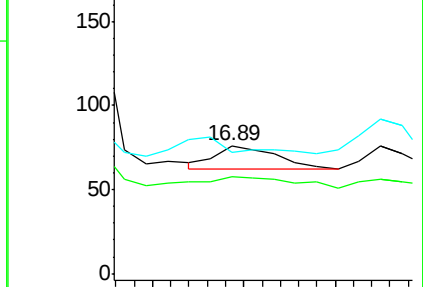
179 81.8 13.0 19.6#



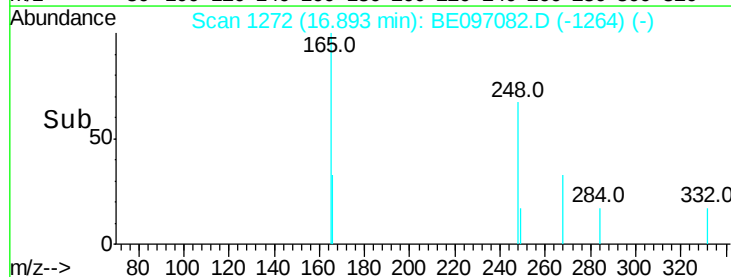
Abundance Ion 178.00 (177.70 to 178.70): E

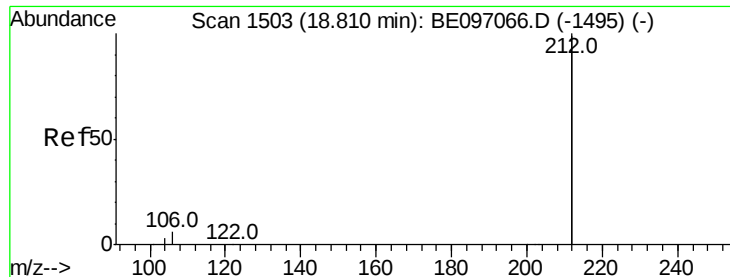
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.611 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718RE

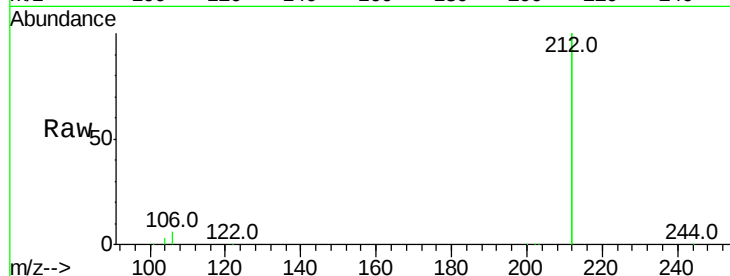
Tot Ion:212 Resp: 61862

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

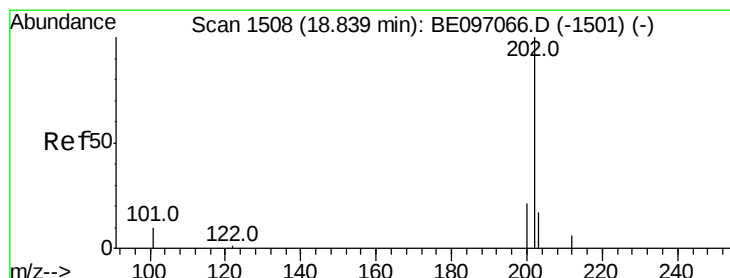
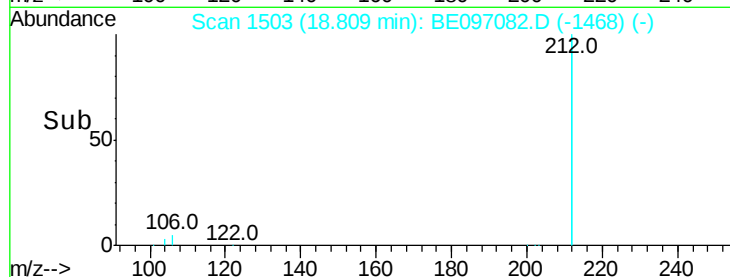
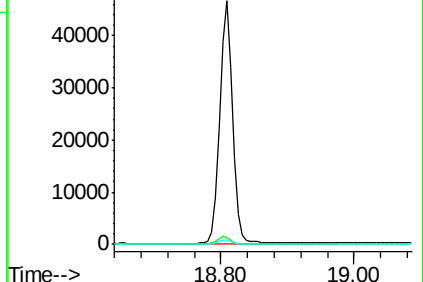
104 1.7 1.6 2.4



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: 0.003 ng

RT: 18.84 min Scan# 1508

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

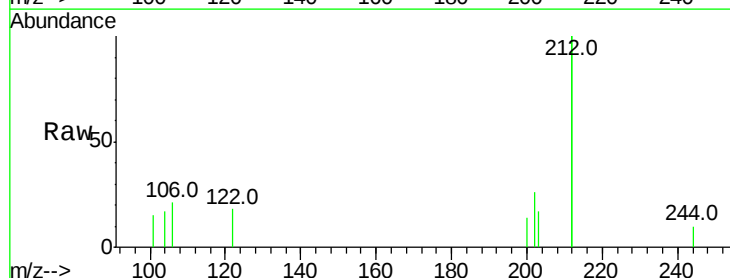
Tgt Ion:202 Resp: 94

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

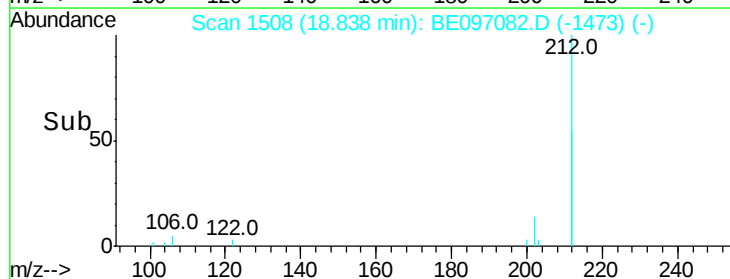
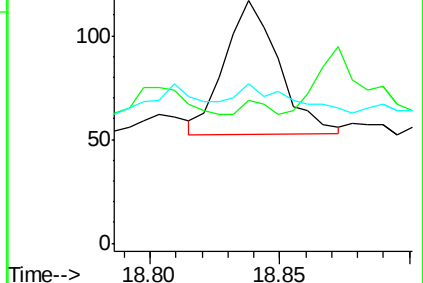
203 28.7 13.7 20.5#

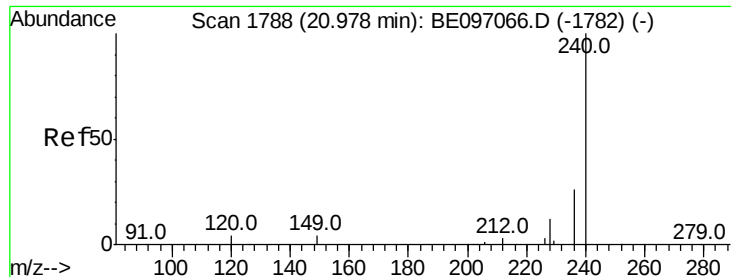


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718RE

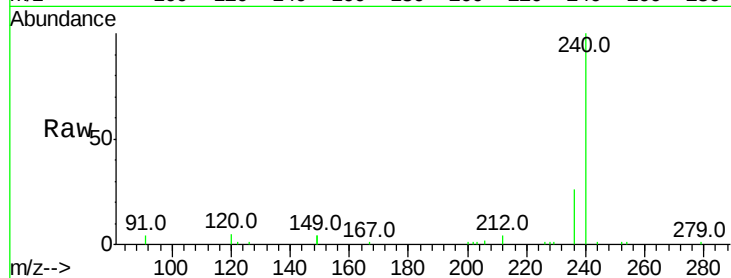
Tot Ion:240 Resp: 10247

Ion Ratio Lower Upper

240 100

120 4.7 5.5 8.3#

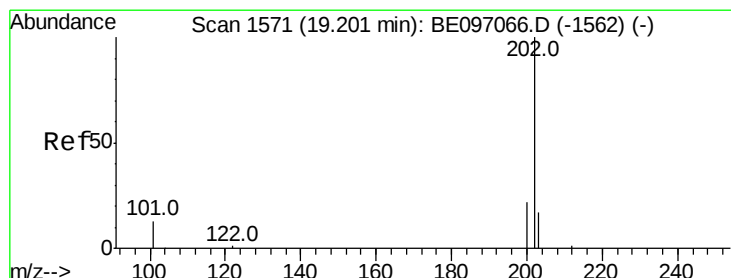
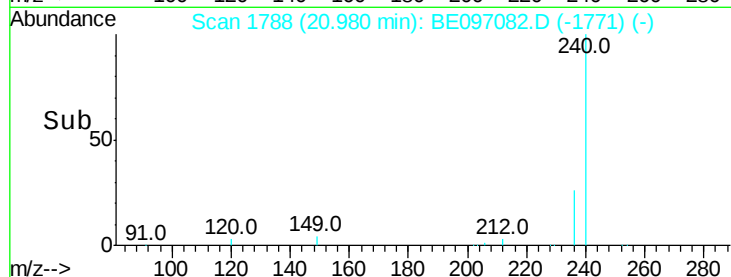
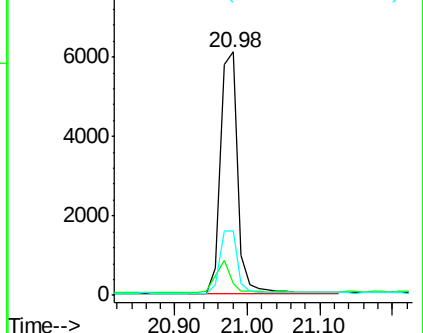
236 26.5 20.7 31.1



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: 0.003 ng

RT: 19.21 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

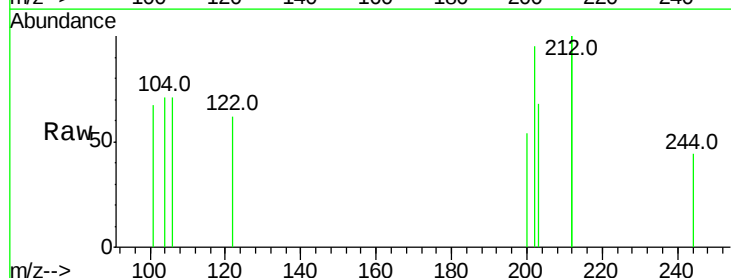
Tgt Ion:202 Resp: 79

Ion Ratio Lower Upper

202 100

200 34.2 16.6 25.0#

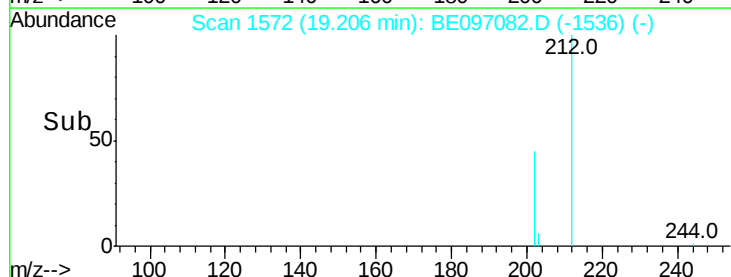
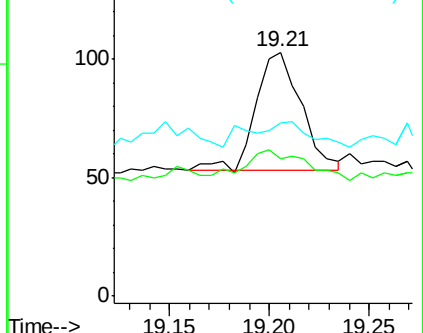
203 19.0 13.8 20.8

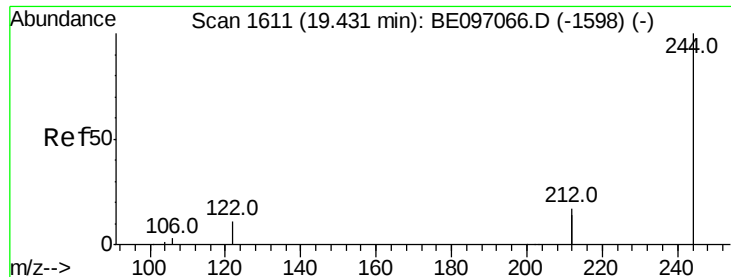


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.834 ng

RT: 19.42 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718RE

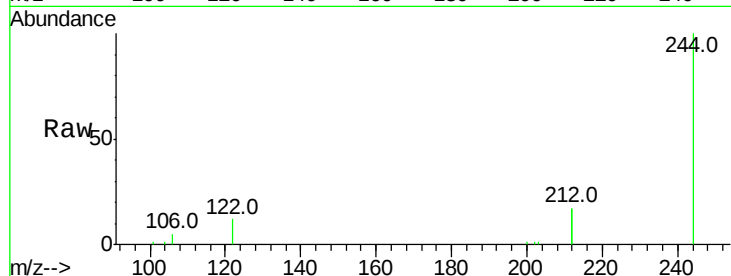
Tot Ion:244 Resp: 16413

Ion Ratio Lower Upper

244 100

212 33.0 25.4 38.0

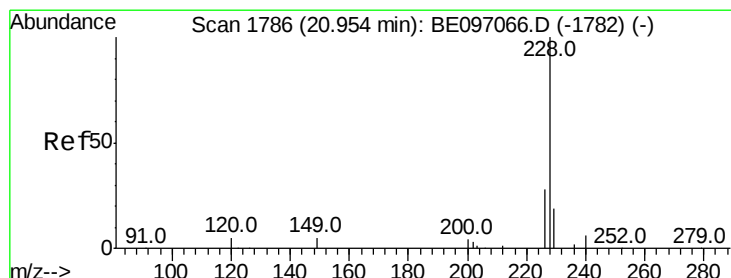
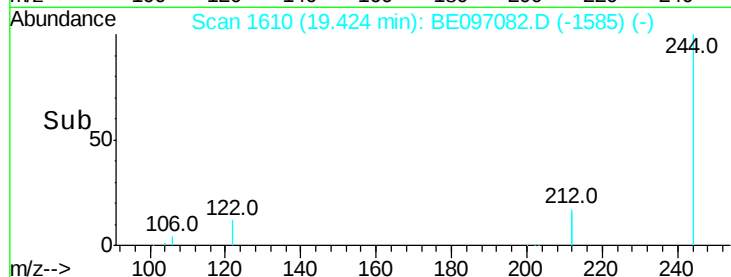
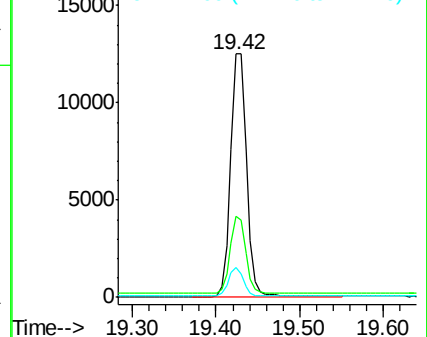
122 12.4 8.1 12.1#



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: 0.003 ng

RT: 20.97 min Scan# 1787

Delta R.T. 0.01 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

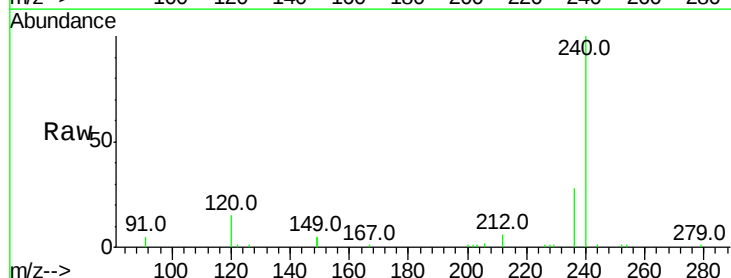
Tgt Ion:228 Resp: 75

Ion Ratio Lower Upper

228 100

226 65.9 24.0 36.0#

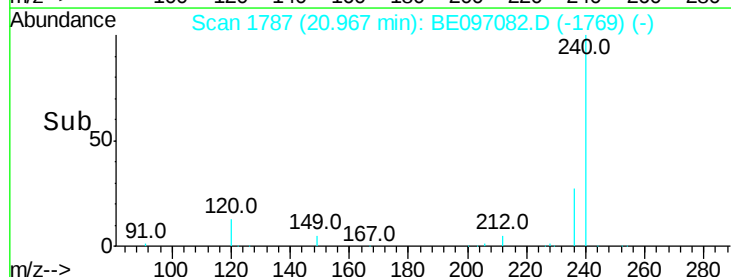
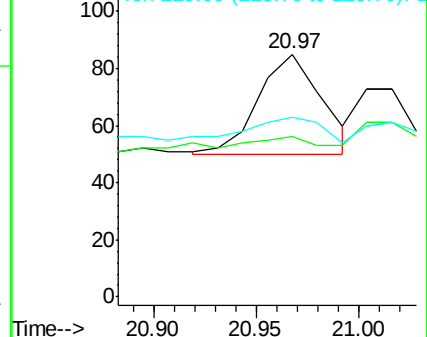
229 74.1 16.0 24.0#

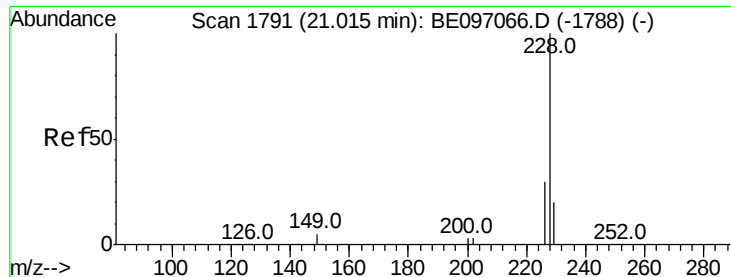


Abundance Ion 228.00 (227.70 to 228.70): E

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: 21.00 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718RE

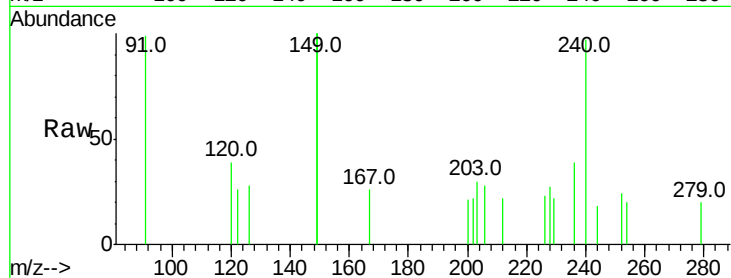
Tot Ion:228 Resp: 48

Ion Ratio Lower Upper

228 100

226 83.6 24.0 36.0#

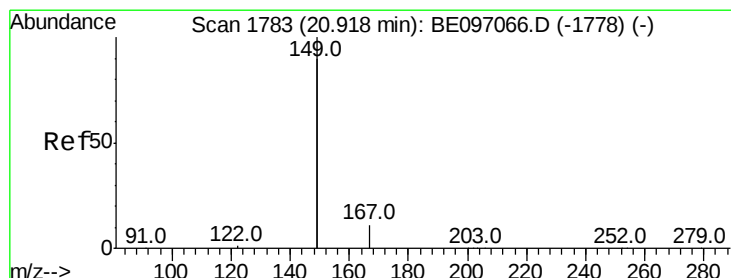
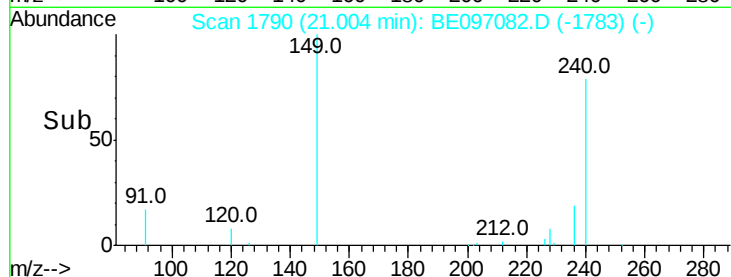
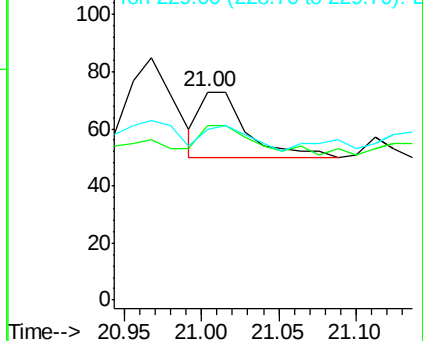
229 82.2 16.0 24.0#



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: 0.122 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

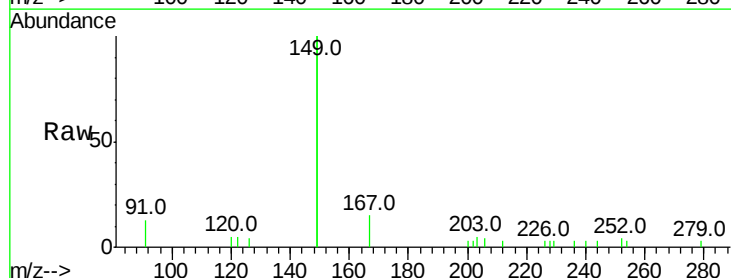
Tgt Ion:149 Resp: 3379

Ion Ratio Lower Upper

149 100

167 7.2 5.4 8.0

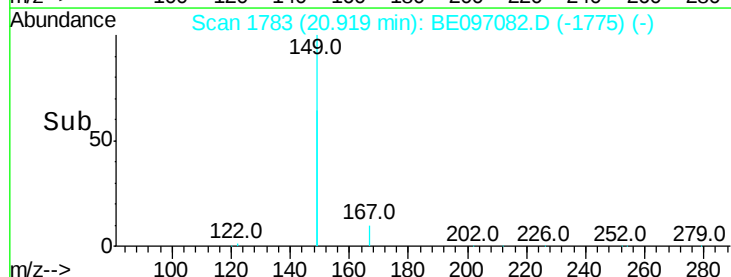
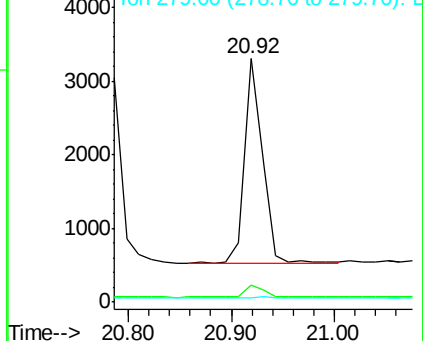
279 1.1 0.7 1.1#

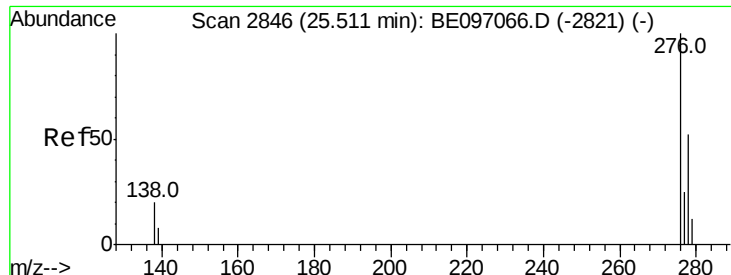


Abundance Ion 149.00 (148.70 to 149.70): E

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: 25.52 min Scan# 2848

Delta R.T. 0.01 min

Lab File: BE097082.D

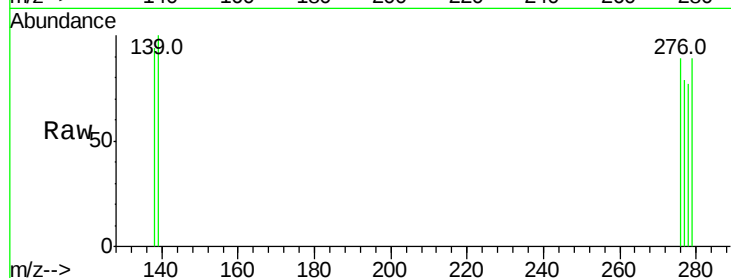
Acq: 24 Jul 2018 21:35

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718RE



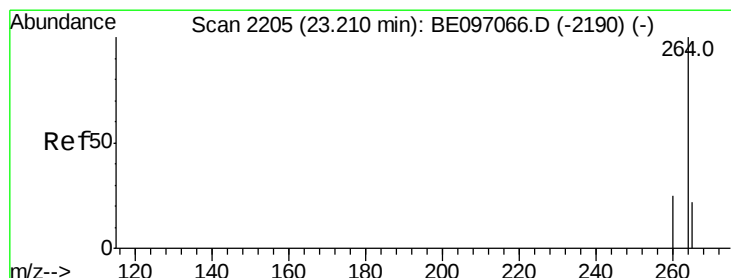
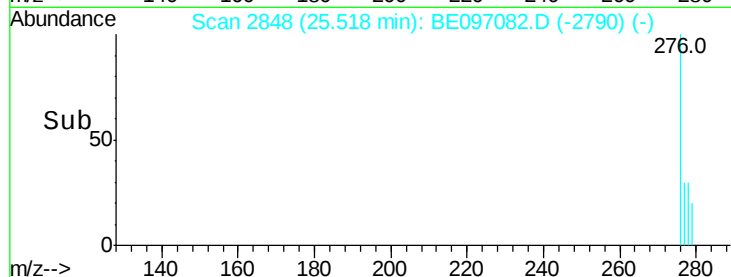
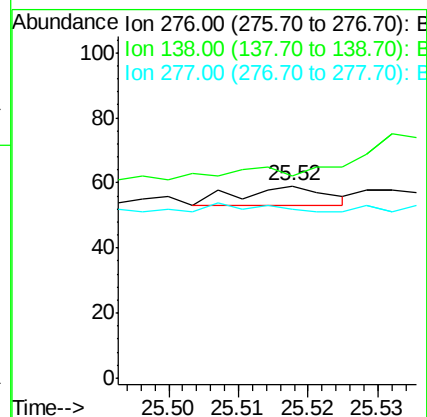
Tot Ion:276 Resp: 5

Ion Ratio Lower Upper

276 100

138 120.0 22.5 33.7#

277 100.0 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: BE097082.D

Acq: 24 Jul 2018 21:35

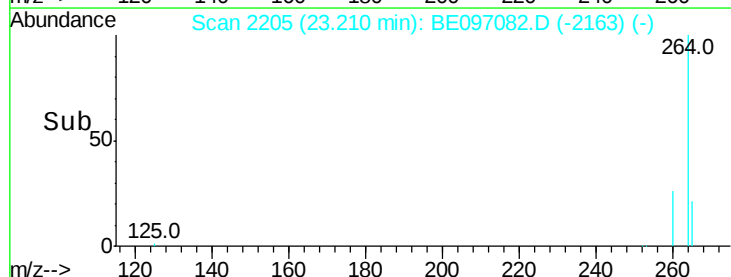
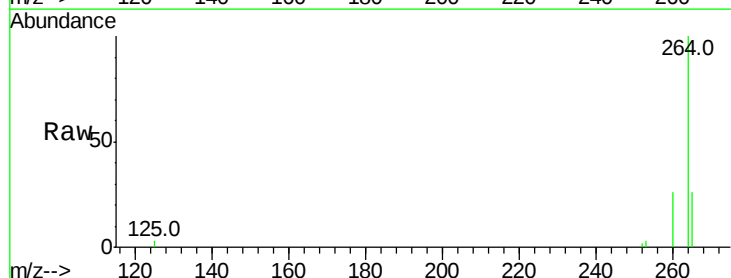
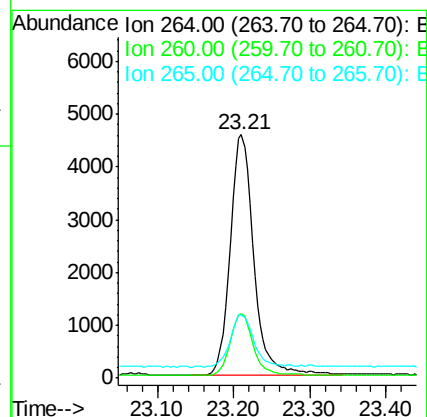
Tgt Ion:264 Resp: 9865

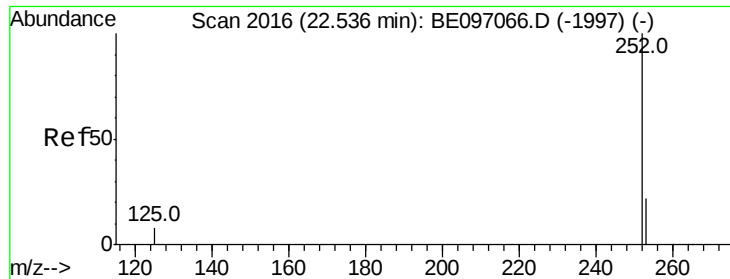
Ion Ratio Lower Upper

264 100

260 26.5 20.5 30.7

265 26.0 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.002 ng

RT: 22.55 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718RE

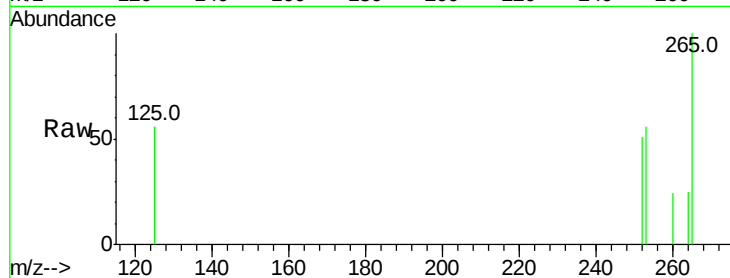
Tot Ion:252 Resp: 62

Ion Ratio Lower Upper

252 100

253 109.4 20.0 30.0#

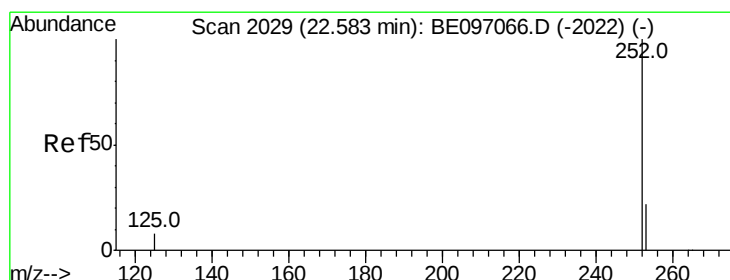
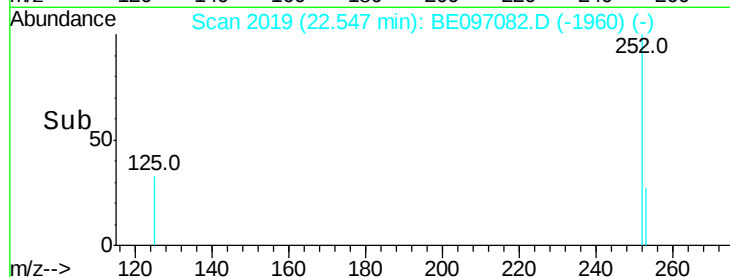
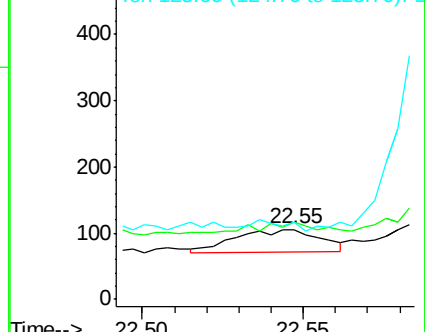
125 110.4 16.0 24.0#



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: 0.003 ng

RT: 22.59 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

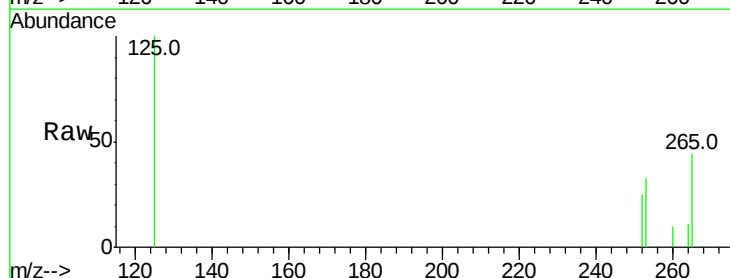
Tgt Ion:252 Resp: 93

Ion Ratio Lower Upper

252 100

253 131.2 16.0 24.0#

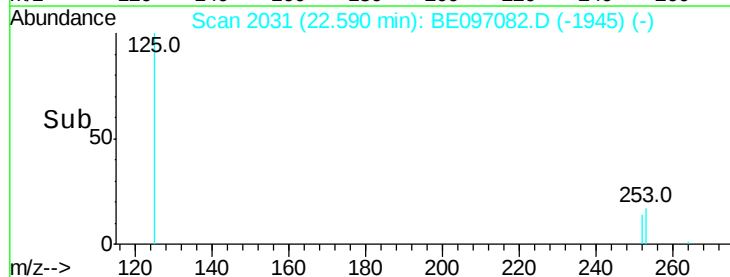
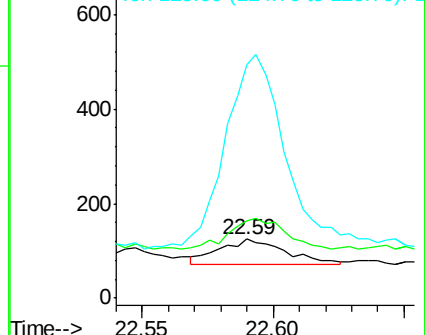
125 396.0 8.0 12.0#

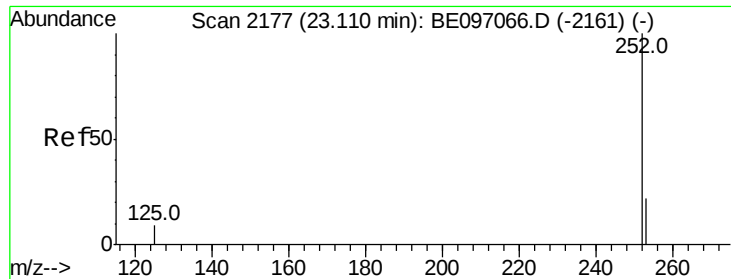


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.000 ng

RT: 23.10 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

Instrument :

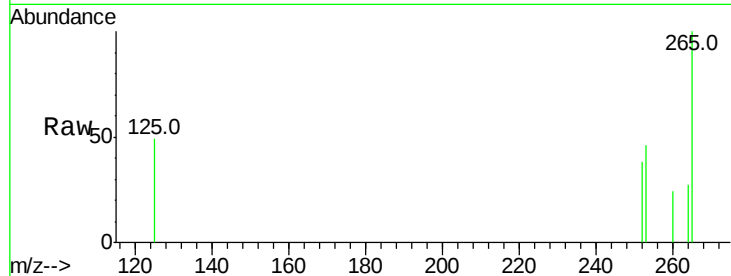
BNA_E

ClientSampleId :

RE108D2-071718RE

Tot Ion:252 Resp: 6

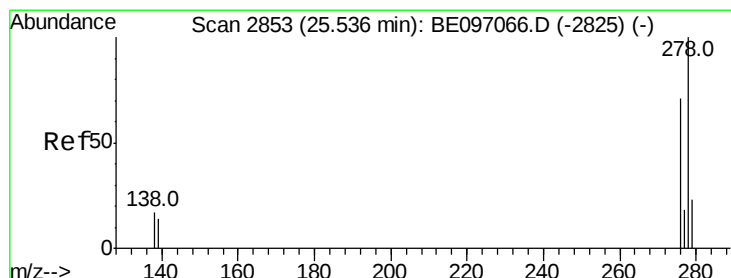
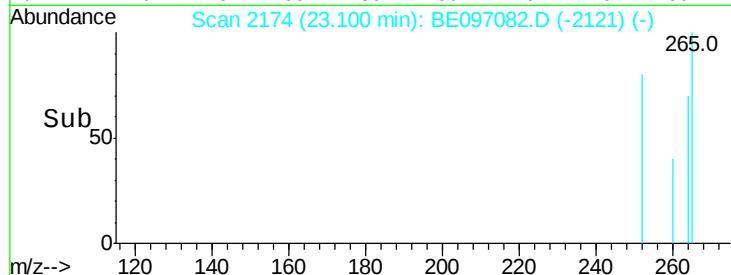
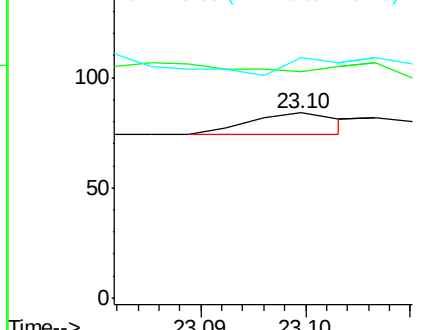
Ion	Ratio	Lower	Upper
252	100		
253	122.6	16.0	24.0#
125	129.8	12.0	18.0#



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: 0.001 ng

RT: 25.55 min Scan# 2856

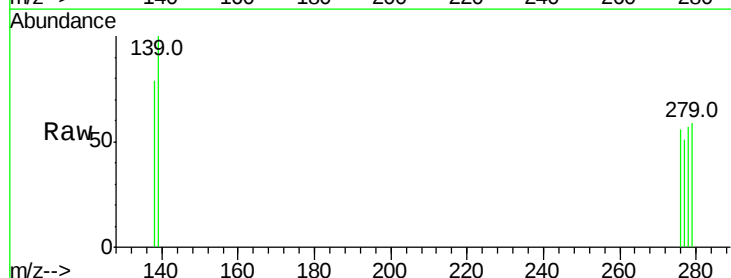
Delta R.T. 0.01 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

Tgt Ion:278 Resp: 20

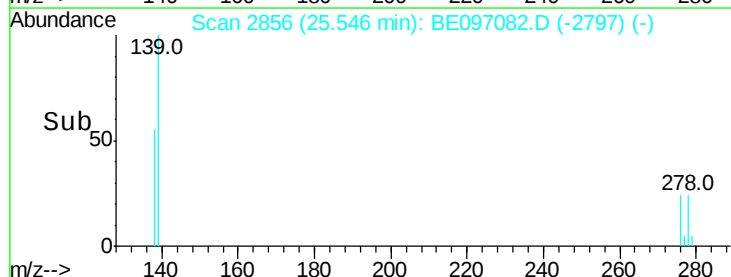
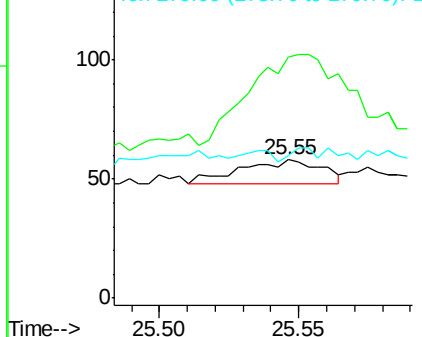
Ion	Ratio	Lower	Upper
278	100		
139	174.1	16.0	24.0#
279	103.4	20.0	30.0#

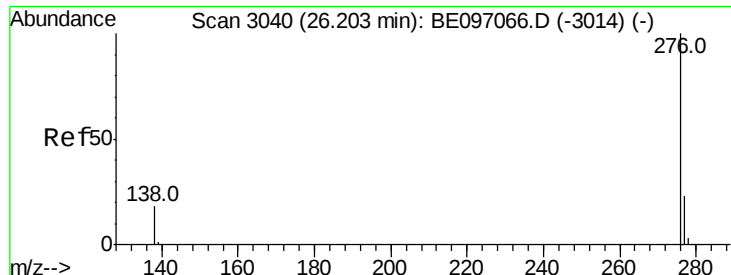


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.001 ng

RT: 26.21 min Scan# 3041

Delta R.T. 0.00 min

Lab File: BE097082.D

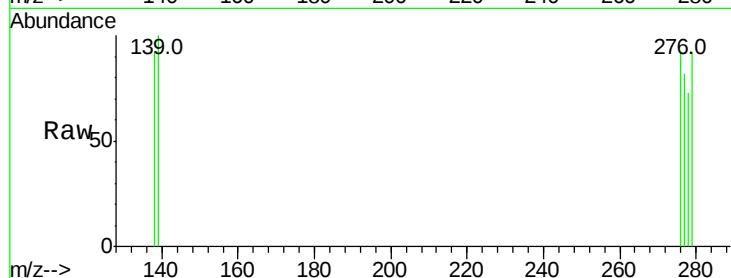
Acq: 24 Jul 2018 21:35

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718RE



Tot Ion:276 Resp: 24

Ion Ratio Lower Upper

276 100

277 88.5 16.0 24.0#

138 100.0 20.0 30.0#

