

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097074.D
 Acq On : 24 Jul 2018 16:34
 Operator : SJ/JU
 Sample : PB111338BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB111338BL

Quant Time: Jul 25 00:37:29 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	7.40	152	1422	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6065	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	2910	0.40	ng	0.01
19) Phenanthrene-d10	16.78	188	8743	0.40	ng	0.01
27) Chrysene-d12	20.98	240	8085	0.40	ng	0.00
34) Perylene-d12	23.21	264	7607	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	1527	0.38	ng	0.00
5) Phenol-d6	6.60	99	1818	0.31	ng	0.00
8) Nitrobenzene-d5	8.53	82	2186	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3362	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	269	0.28	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	5052	0.50	ng	0.01
25) Fluoranthene-d10	18.82	212	38700	0.44	ng	0.00
29) Terphenyl-d14	19.43	244	6350	0.41	ng	0.00

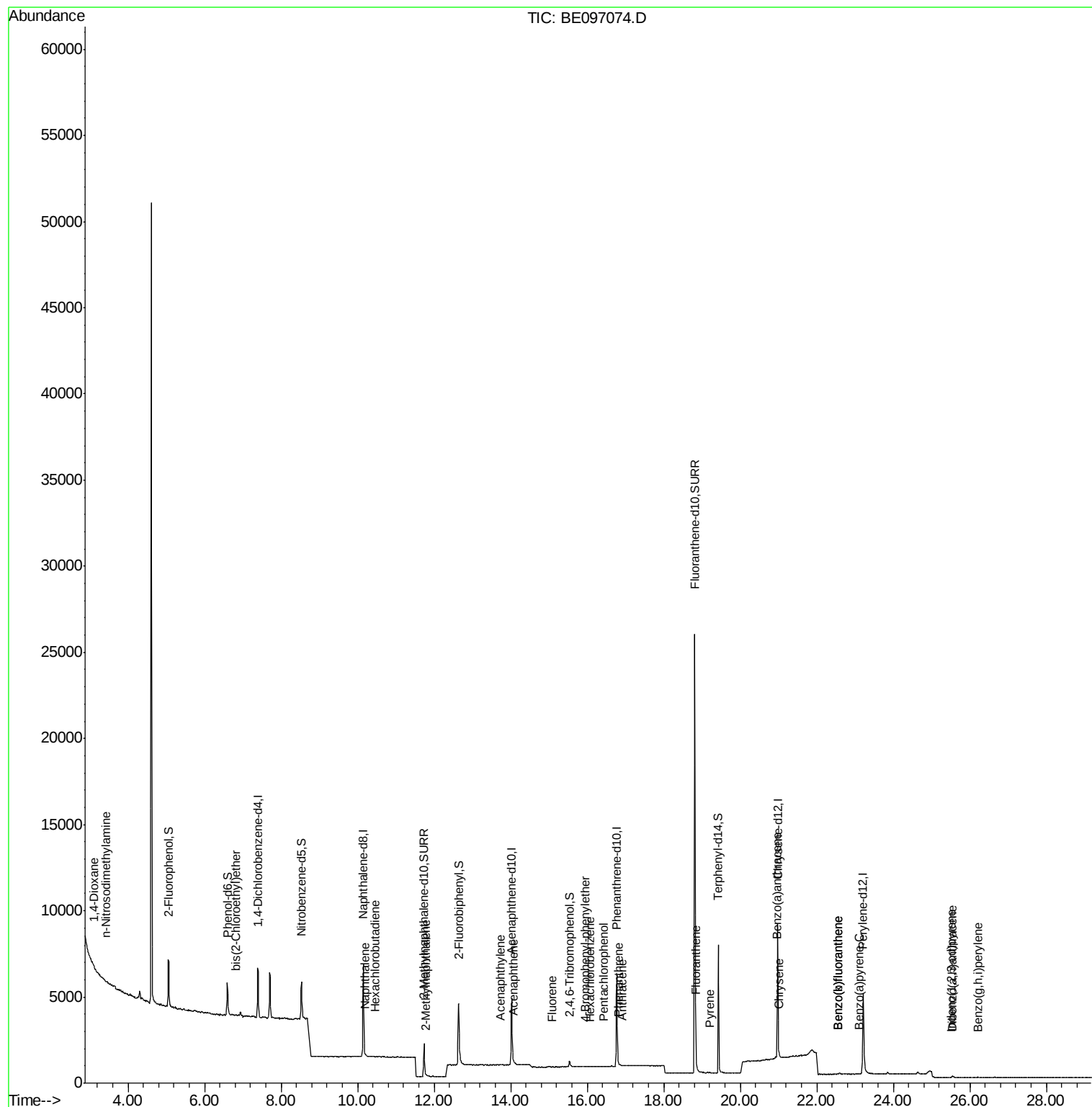
Target Compounds						Qvalue
2) 1,4-Dioxane	3.11	88	11	0.005	ng	# 16
3) n-Nitrosodimethylamine	3.42	42	17	0.007	ng	# 14
6) bis(2-Chloroethyl)ether	6.83	93	2	0.000	ng	# 1
9) Naphthalene	10.20	128	104	0.002	ng	# 46
10) Hexachlorobutadiene	10.46	225	8	0.003	ng	# 17
12) 2-Methylnaphthalene	11.80	142	3	0.000	ng	# 51
16) Acenaphthylene	13.73	152	6	0.000	ng	# 1
17) Acenaphthene	14.07	154	11	0.001	ng	# 5
18) Fluorene	15.08	166	13	0.001	ng	# 10
20) 4-Bromophenyl-phenylether	15.96	248	7	0.002	ng	# 58
21) Hexachlorobenzene	16.08	284	3	0.001	ng	# 26
22) Pentachlorophenol	16.44	266	6	0.040	ng	96
23) Phenanthrene	16.81	178	66	0.003	ng	# 73
24) Anthracene	16.91	178	29	0.002	ng	# 75
26) Fluoranthene	18.84	202	47	0.002	ng	# 64
28) Pyrene	19.20	202	39	0.002	ng	# 80
30) Benzo(a)anthracene	20.97	228	55	0.003	ng	# 1
31) Chrysene	21.01	228	34	0.002	ng	# 3
32) Bis(2-ethylhexyl)phthalate	20.92	149	212	Below Cal		# 95
33) Indeno(1,2,3-cd)pyrene	25.51	276	11	0.001	ng	# 65
35) Benzo(b)fluoranthene	22.55	252	37	0.002	ng	# 1
36) Benzo(k)fluoranthene	22.55	252	37	0.002	ng	# 1
37) Benzo(a)pyrene	23.11	252	6	0.000	ng	# 1
38) Dibenzo(a,h)anthracene	25.54	278	9	0.000	ng	# 1
39) Benzo(g,h,i)perylene	26.21	276	19	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: 7.40 min Scan# 394

Delta R.T. 0.01 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

Instrument :

BNA_E

ClientSampleId :

PB111338BL

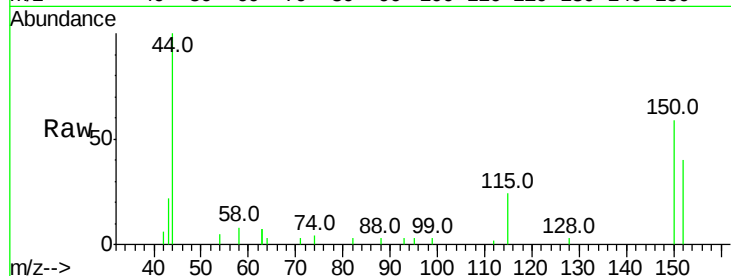
Tot Ion:152 Resp: 1422

Ion Ratio Lower Upper

152 100

150 150.1 117.2 175.8

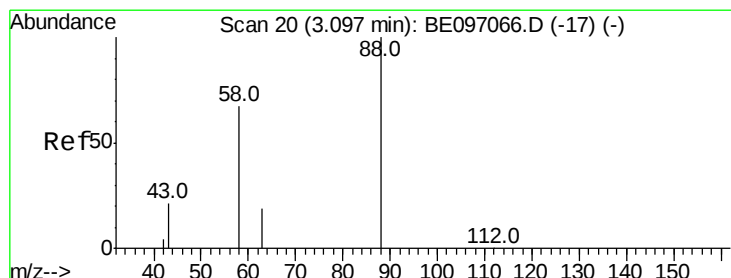
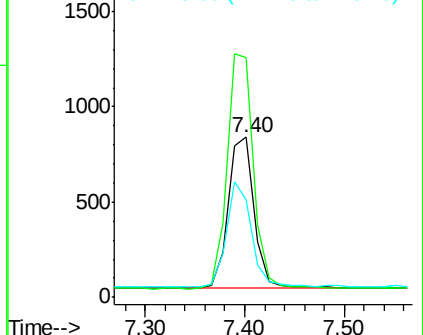
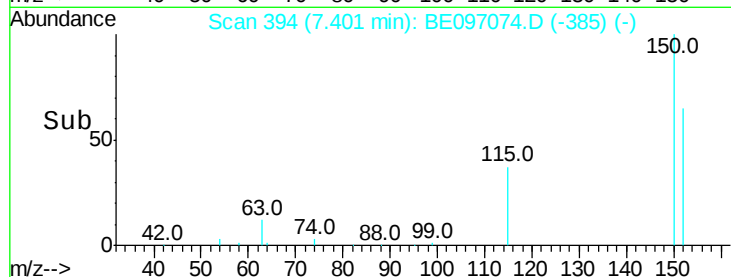
115 60.9 57.0 85.6



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: 0.005 ng

RT: 3.11 min Scan# 21

Delta R.T. 0.01 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

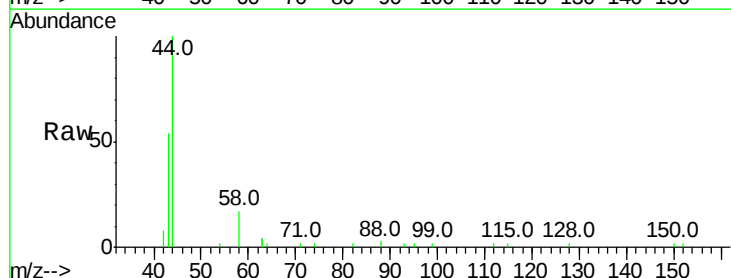
Tgt Ion: 88 Resp: 11

Ion Ratio Lower Upper

88 100

58 0.0 63.2 94.8#

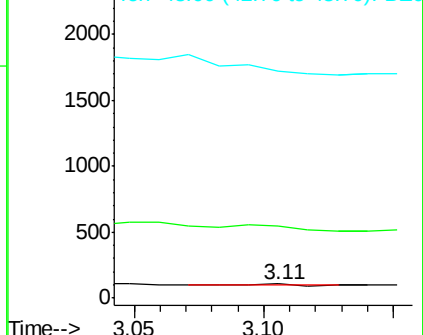
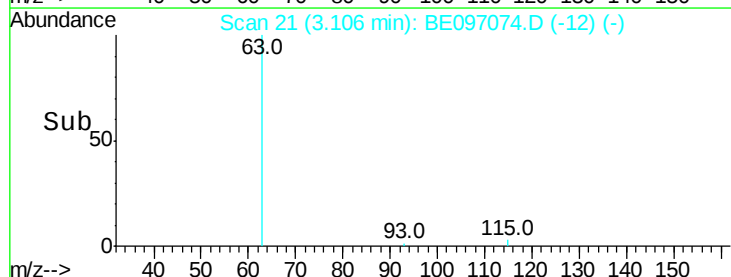
43 0.0 41.2 61.8#



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





#3

n-Nitrosodimethylamine

Concen: 0.007 ng

RT: 3.42 min Scan# 48

Delta R.T. 0.03 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

Instrument :

BNA_E

ClientSampleId :

PB111338BL

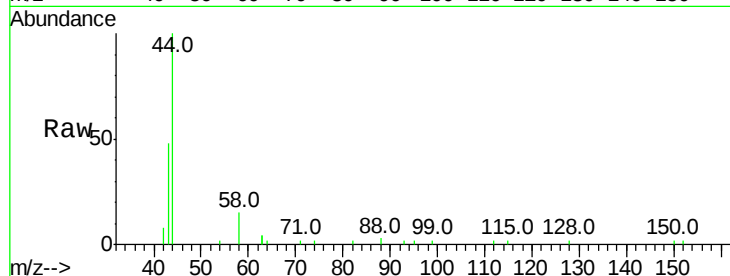
Tot Ion: 42 Resp: 17

Ion Ratio Lower Upper

42 100

74 17.6 96.0 144.0#

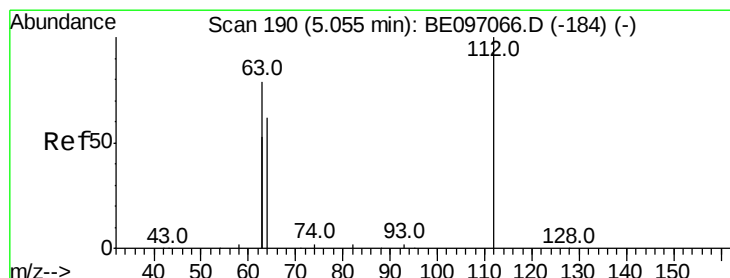
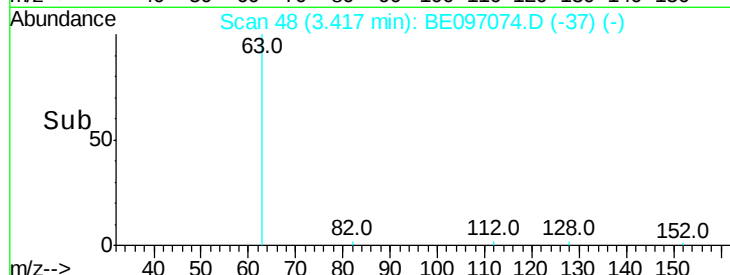
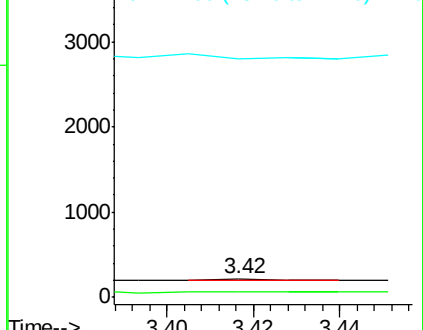
44 0.0 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.382 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

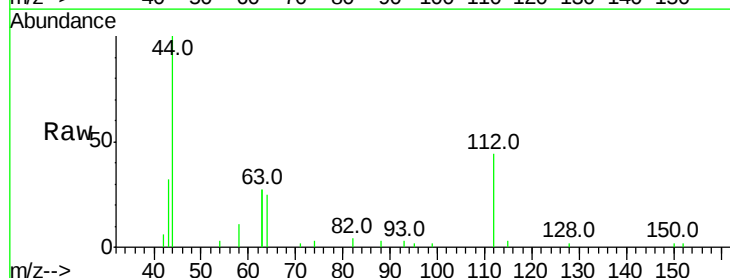
Tgt Ion: 112 Resp: 1527

Ion Ratio Lower Upper

112 100

64 70.4 60.1 90.1

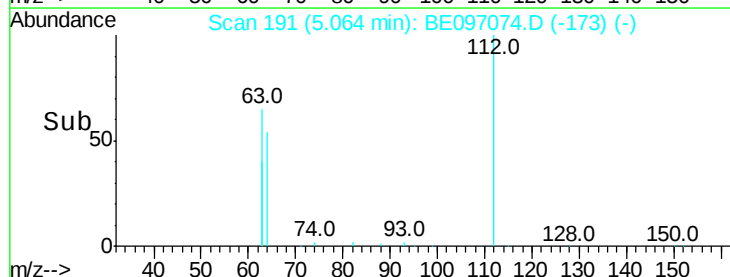
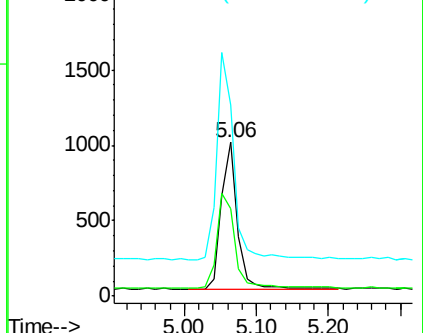
63 145.6 116.8 175.2

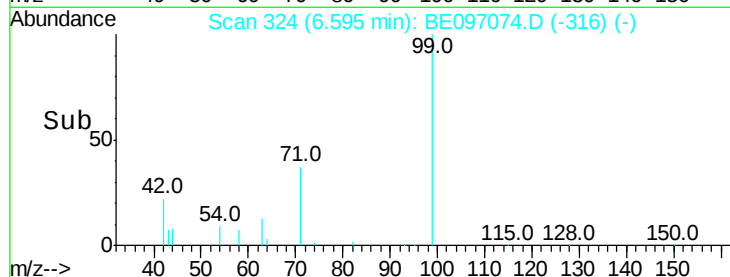
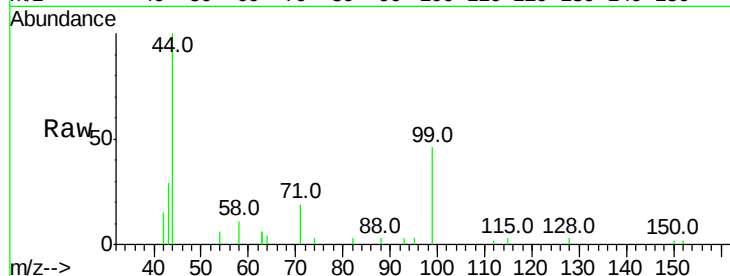
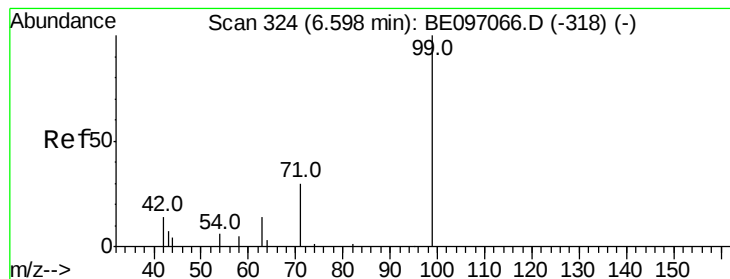


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.310 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

Instrument :

BNA_E

ClientSampleId :

PB111338BL

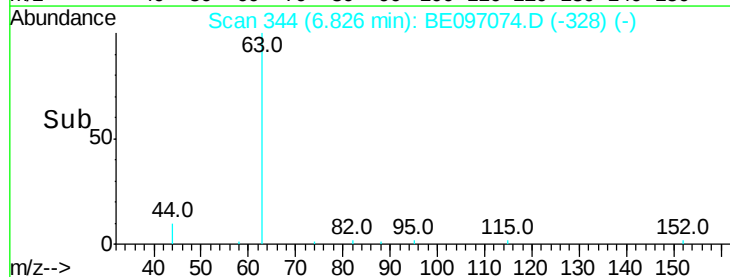
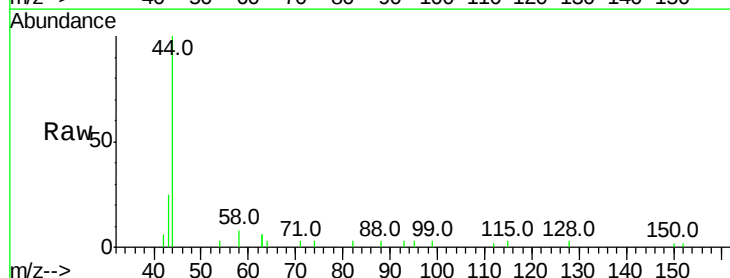
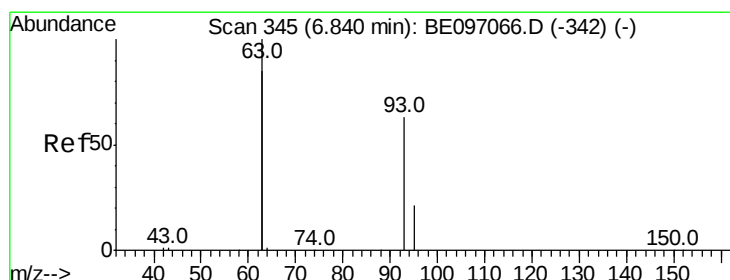
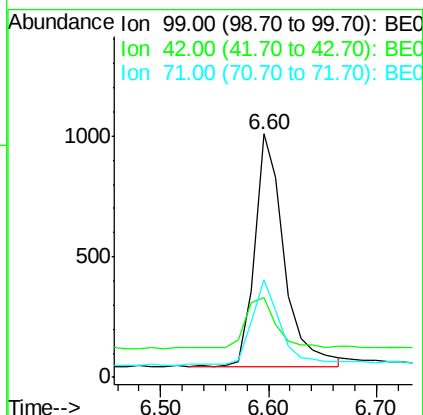
Tot Ion: 99 Resp: 1818

Ion Ratio Lower Upper

99 100

42 22.3 20.2 30.2

71 34.9 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.000 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

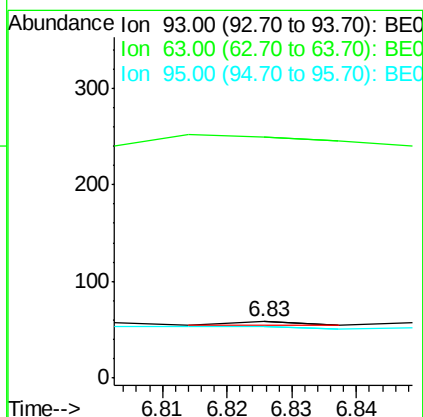
Tgt Ion: 93 Resp: 2

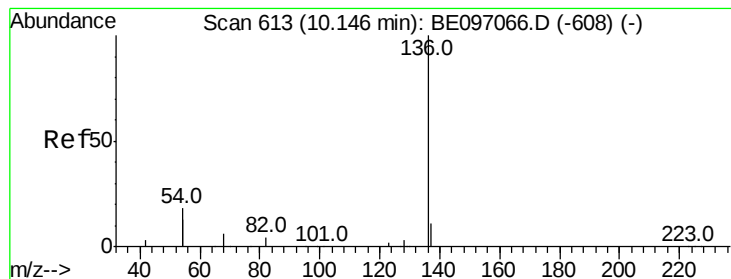
Ion Ratio Lower Upper

93 100

63 3100.0 275.3 412.9#

95 0.0 25.2 37.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

Instrument :

BNA_E

ClientSampleId :

PB111338BL

Tot Ion:136 Resp: 6065

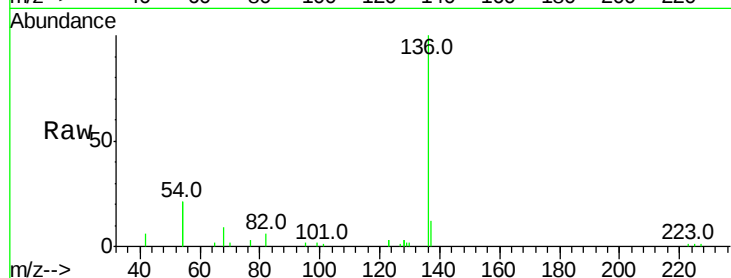
Ion Ratio Lower Upper

136 100

137 11.8 9.5 14.3

54 42.1 29.1 43.7

68 8.7 6.2 9.2

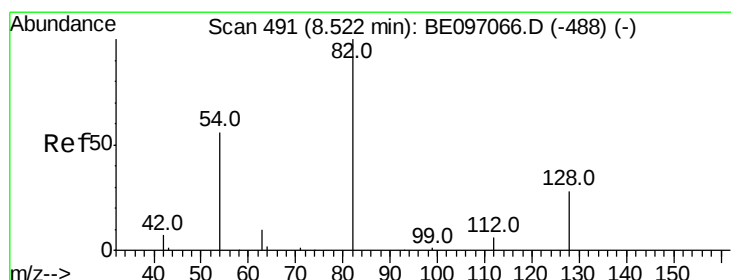
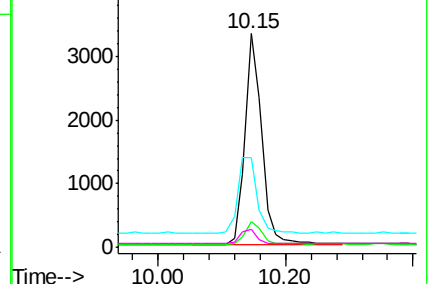
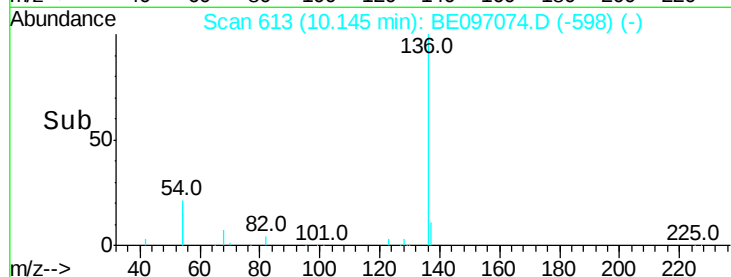


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.415 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

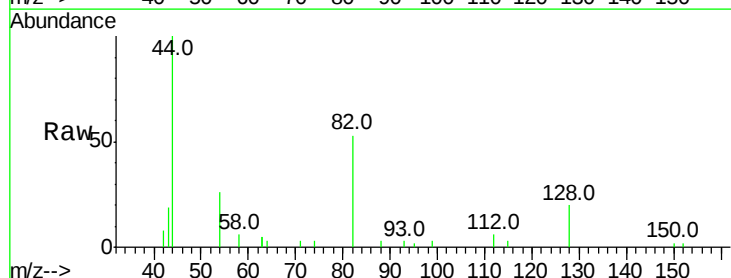
Tgt Ion: 82 Resp: 2186

Ion Ratio Lower Upper

82 100

128 37.0 24.0 36.0#

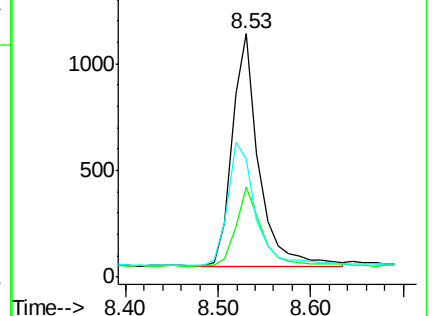
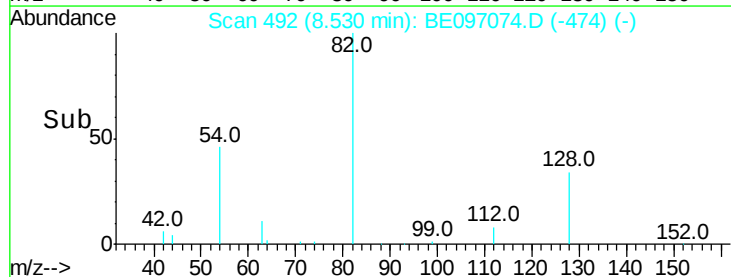
54 48.6 40.0 60.0



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: 0.002 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

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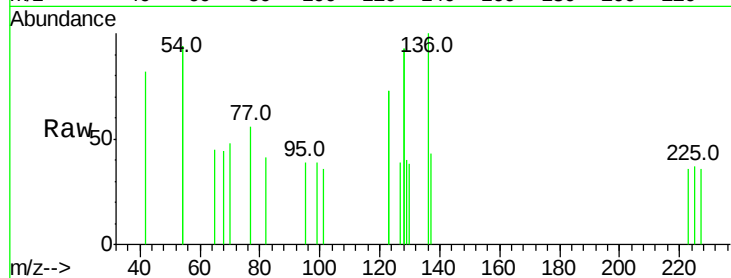
Tot Ion:128 Resp: 104

Ion Ratio Lower Upper

128 100

129 21.4 2.6 3.8#

127 21.0 2.8 4.2#

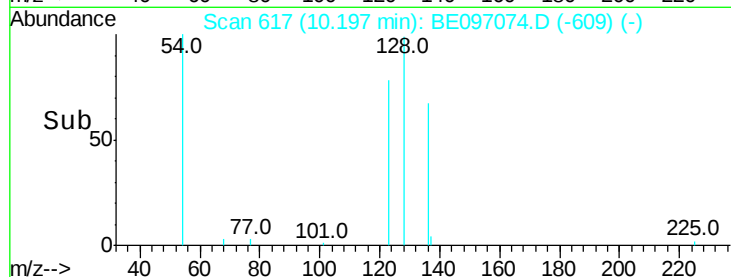


Abundance Ion 128.00 (127.70 to 128.70): E

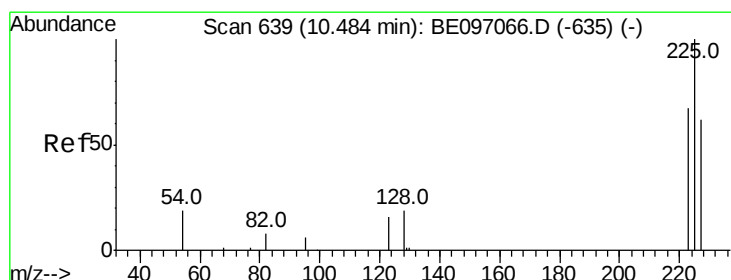
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time-->



Time-->



#10

Hexachlorobutadiene

Concen: 0.003 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.03 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

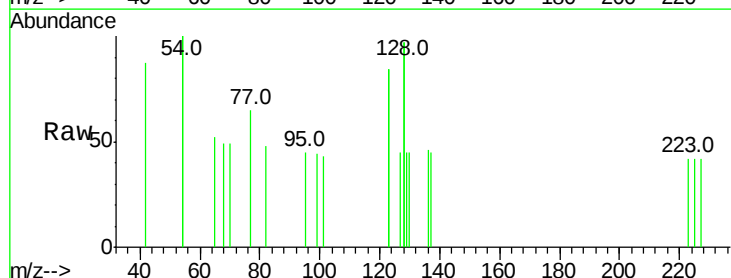
Tgt Ion:225 Resp: 8

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.6#

227 0.0 51.4 77.2#

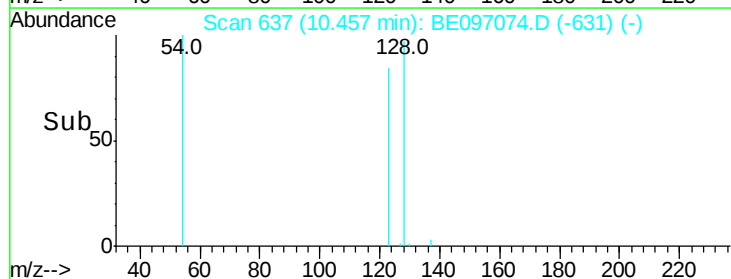


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

Time-->



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.370 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

Instrument :

BNA_E

ClientSampleId :

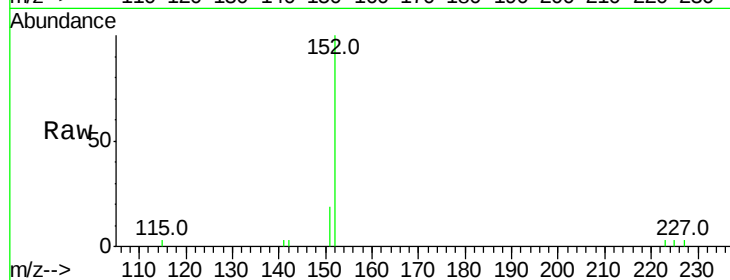
PB111338BL

Tot Ion:152 Resp: 3362

Ion Ratio Lower Upper

152 100

151 18.8 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

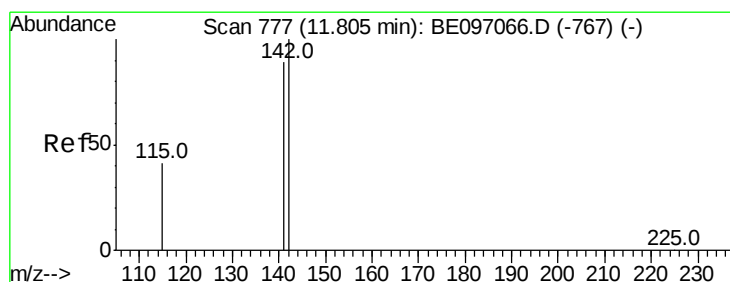
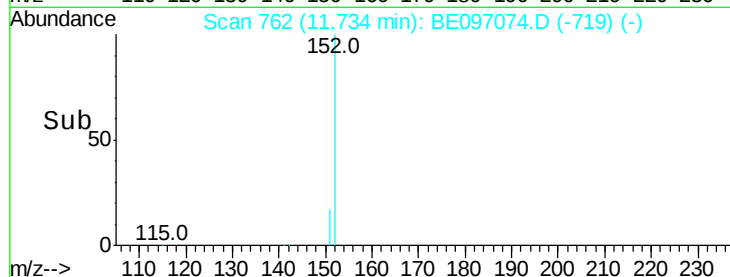
1500

1000

500

0

Time--> 11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.000 ng

RT: 11.80 min Scan# 776

Delta R.T. -0.01 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

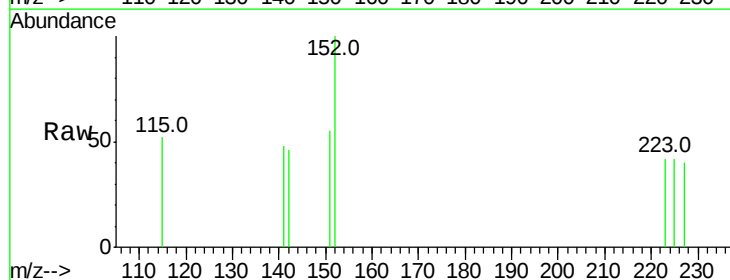
Tgt Ion:142 Resp: 3

Ion Ratio Lower Upper

142 100

141 104.0 70.4 105.6

115 114.0 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

80

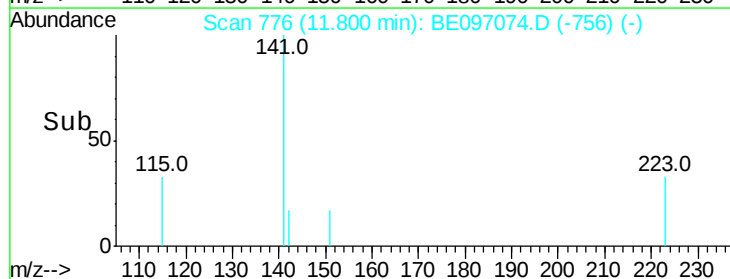
60

40

20

0

Time--> 11.78 11.80





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1029

Delta R.T. 0.01 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

Instrument :

BNA_E

ClientSampleId :

PB111338BL

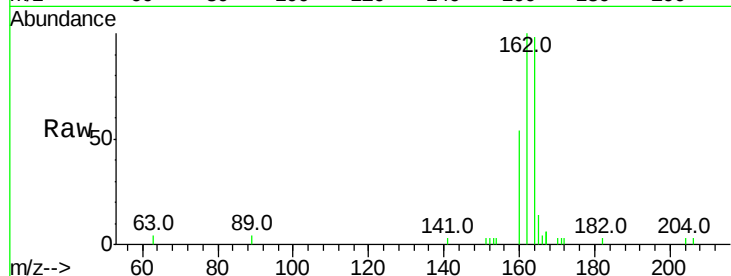
Tot Ion:164 Resp: 2910

Ion Ratio Lower Upper

164 100

162 102.0 83.1 124.7

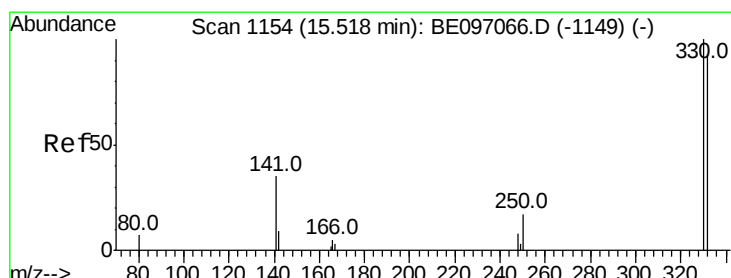
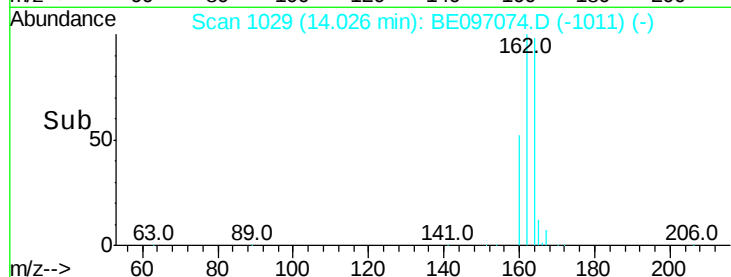
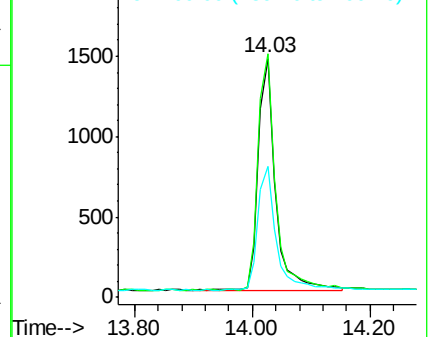
160 55.0 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.281 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

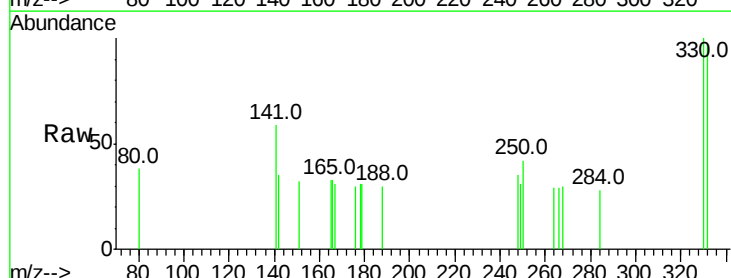
Tgt Ion:330 Resp: 269

Ion Ratio Lower Upper

330 100

332 98.5 152.7 229.1#

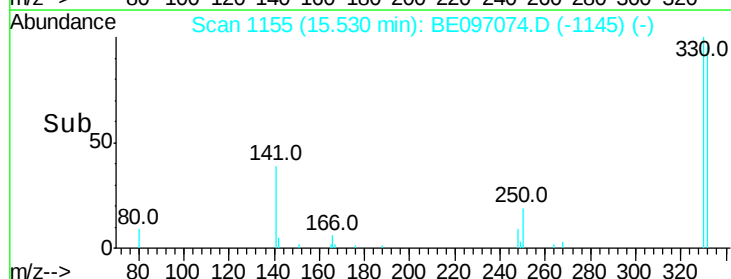
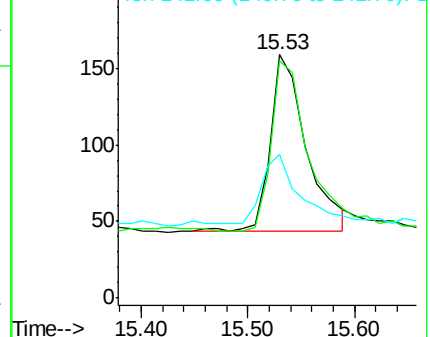
141 39.4 33.7 50.5

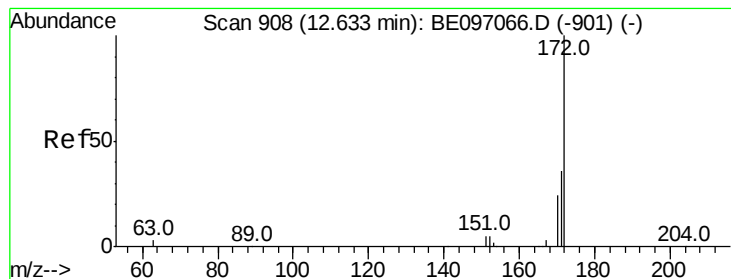


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.503 ng

RT: 12.64 min Scan# 909

Delta R.T. 0.01 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

Instrument :

BNA_E

ClientSampled :

PB111338BL

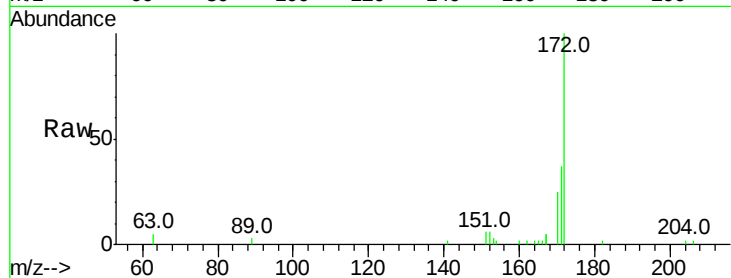
Tot Ion:172 Resp: 5052

Ion Ratio Lower Upper

172 100

171 36.7 29.9 44.9

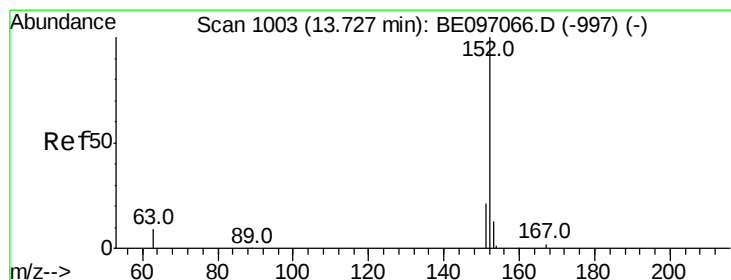
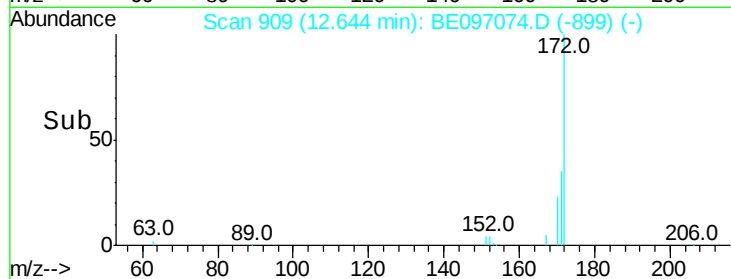
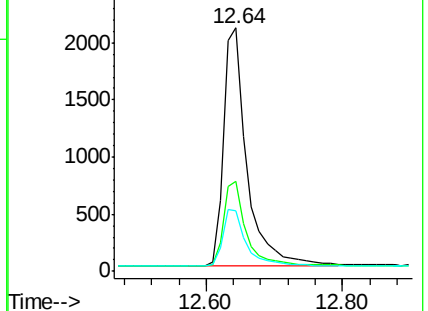
170 25.1 21.8 32.8



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: 0.000 ng

RT: 13.73 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

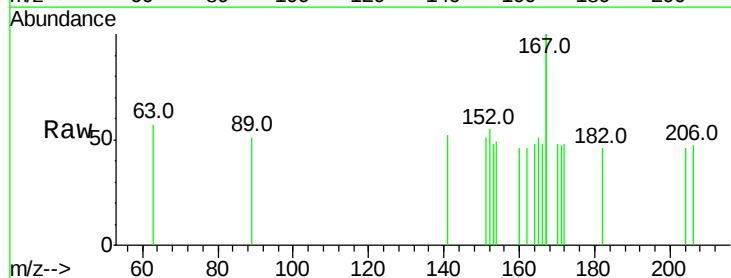
Tgt Ion:152 Resp: 6

Ion Ratio Lower Upper

152 100

151 100.0 15.7 23.5#

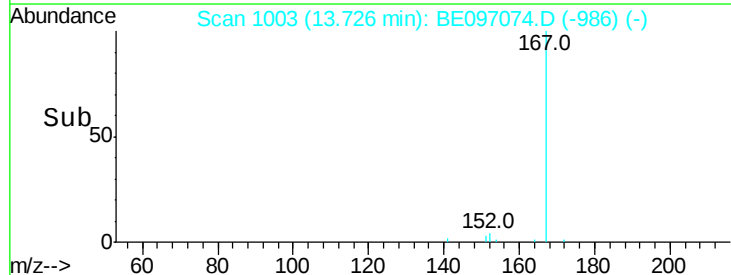
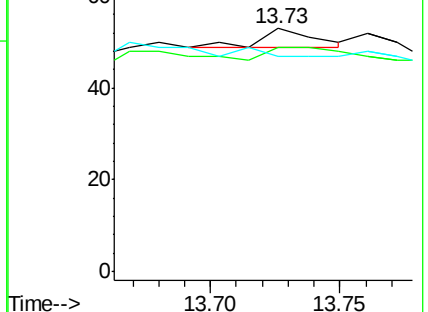
153 0.0 10.5 15.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.001 ng

RT: 14.07 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

Instrument :

BNA_E

ClientSampleId :

PB111338BL

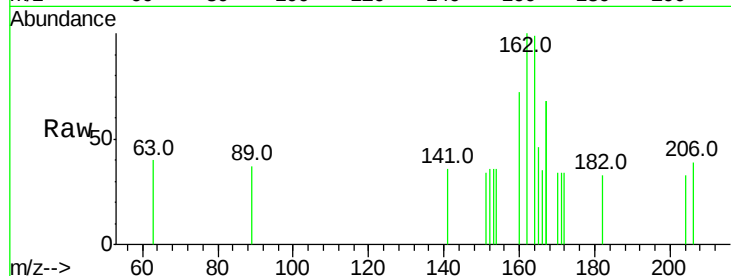
Tot Ion:154 Resp: 11

Ion Ratio Lower Upper

154 100

153 0.0 89.2 133.8#

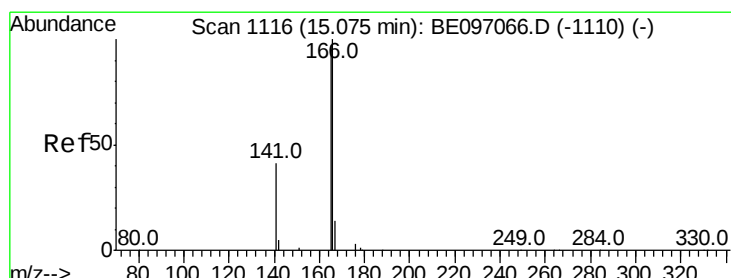
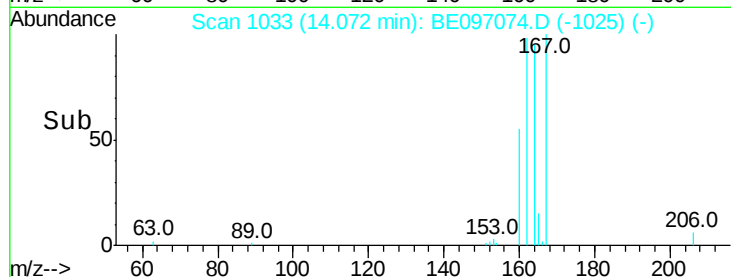
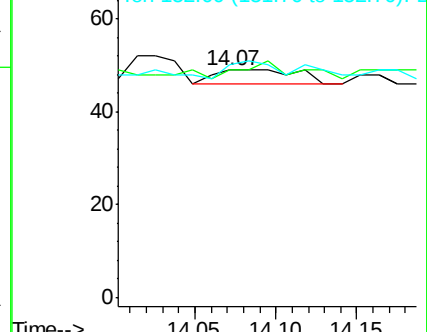
152 0.0 42.0 63.0#



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: 0.001 ng

RT: 15.08 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

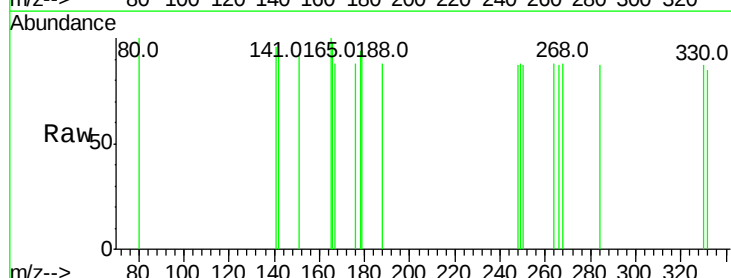
Tgt Ion:166 Resp: 13

Ion Ratio Lower Upper

166 100

165 0.0 77.8 116.6#

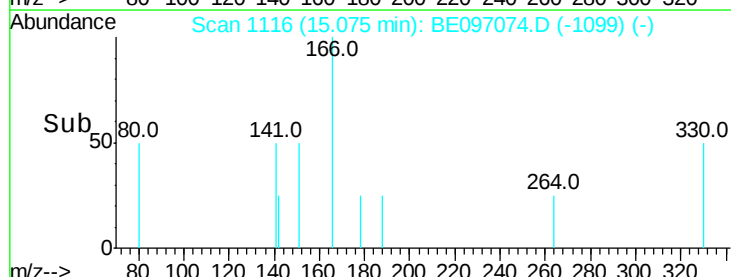
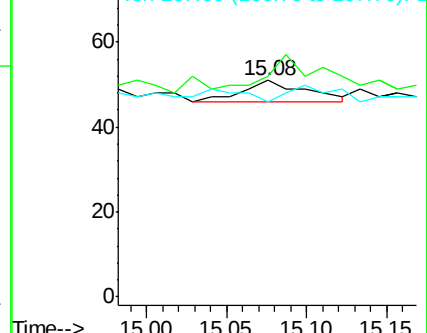
167 0.0 42.4 63.6#

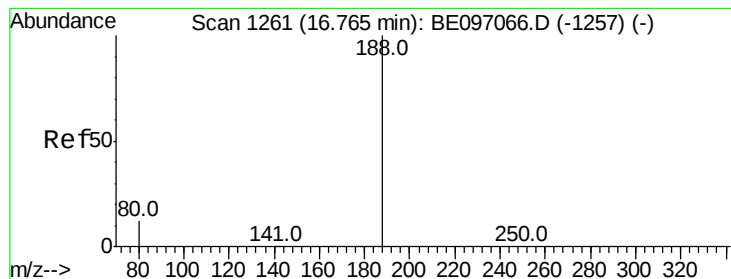


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.78 min Scan# 1262

Delta R.T. 0.01 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

Instrument :

BNA_E

ClientSampleId :

PB111338BL

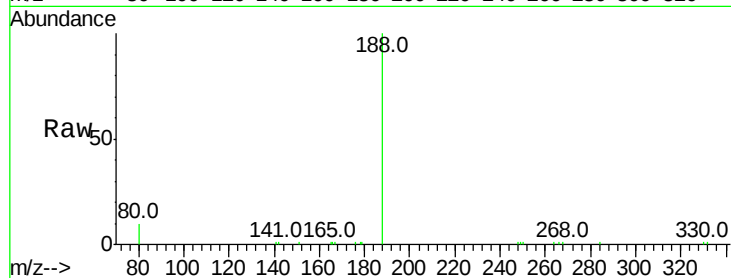
Tot Ion:188 Resp: 8743

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

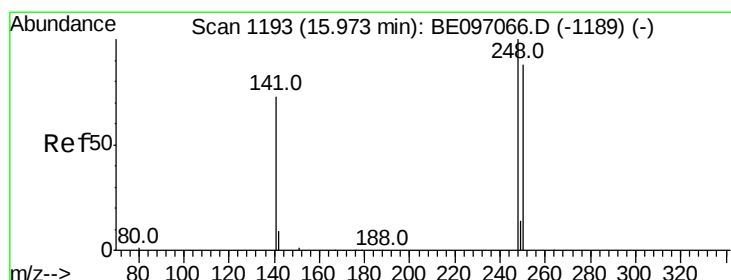
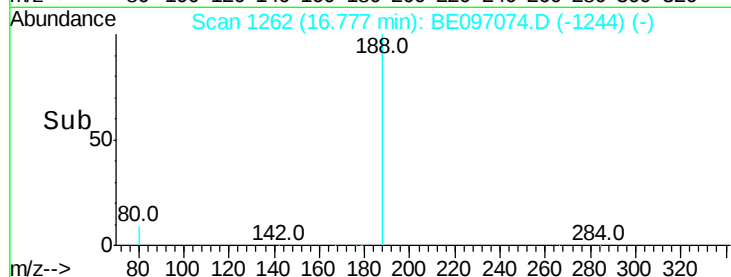
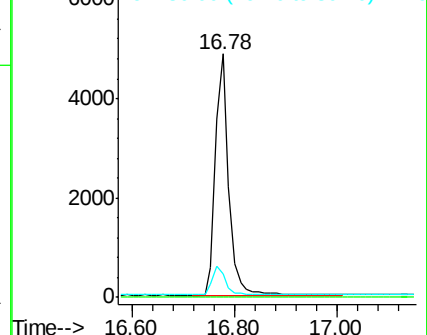
80 9.8 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.002 ng

RT: 15.96 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

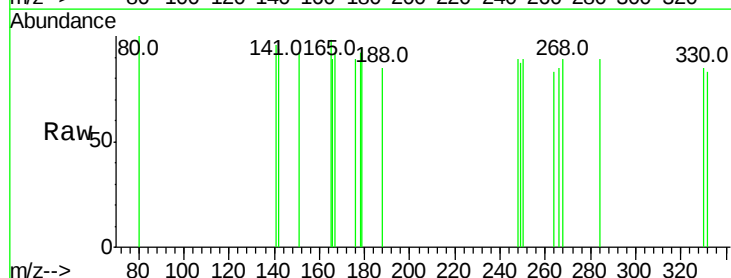
Tgt Ion:248 Resp: 7

Ion Ratio Lower Upper

248 100

250 100.0 62.7 94.1#

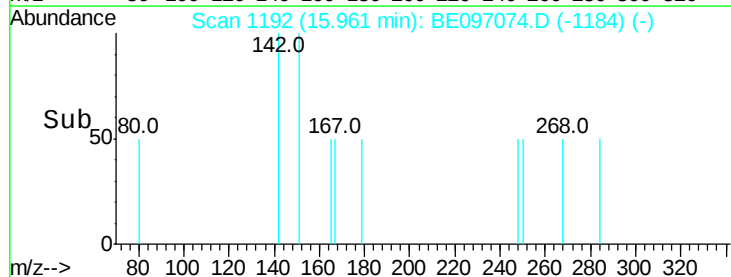
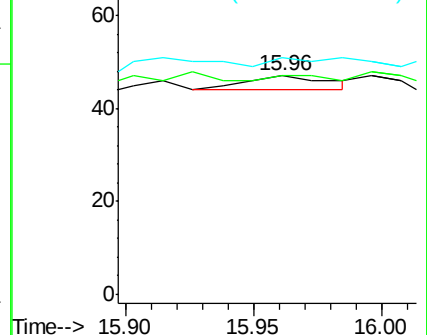
141 108.5 48.2 72.2#

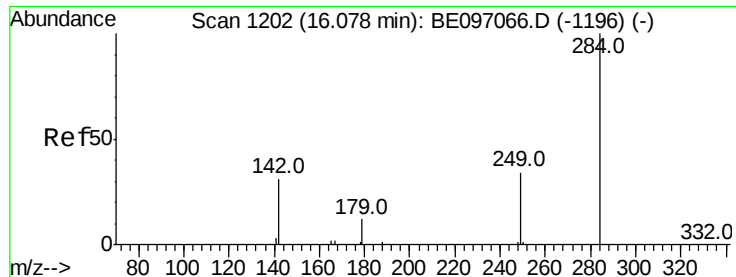


Abundance Ion 248.00 (247.70 to 248.70): E

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: 16.08 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

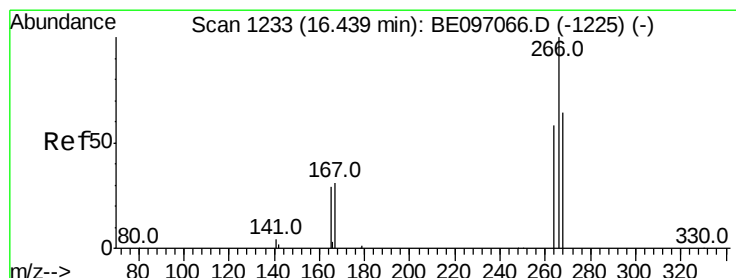
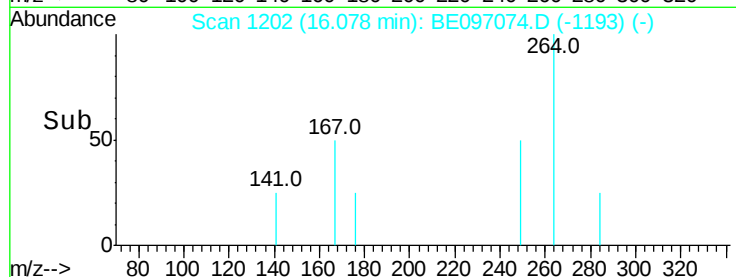
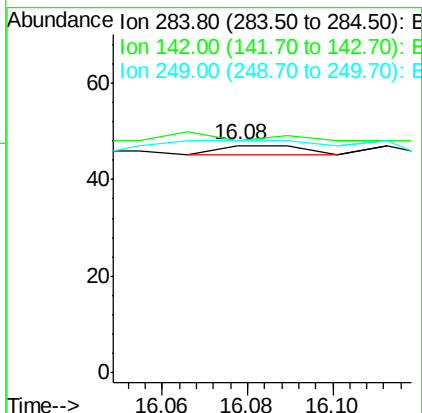
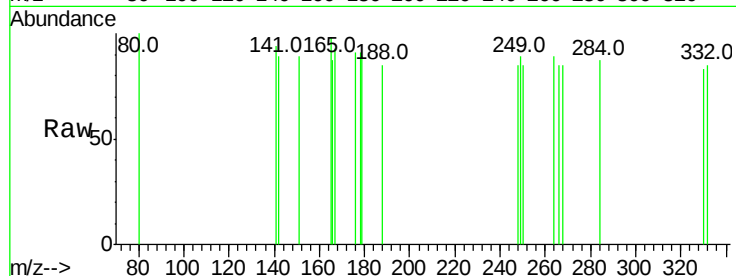
Instrument :

BNA_E

ClientSampleId :

PB111338BL

Tot Ion:	284	Resp:	3
Ion	Ratio	Lower	Upper
284	100		
142	0.0	22.1	33.1#
249	100.0	34.8	52.2#



#22

Pentachlorophenol

Concen: 0.040 ng

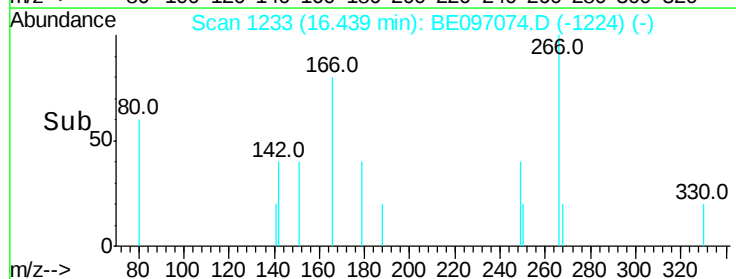
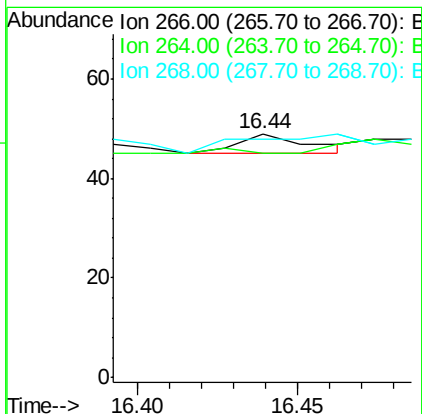
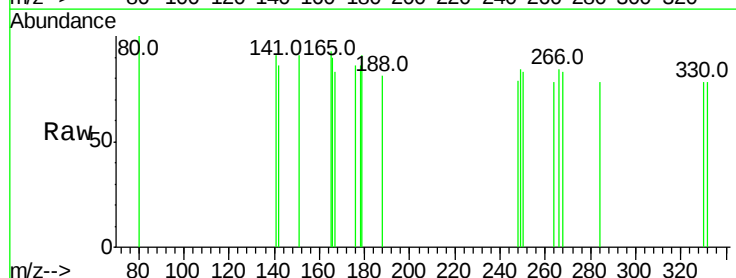
RT: 16.44 min Scan# 1233

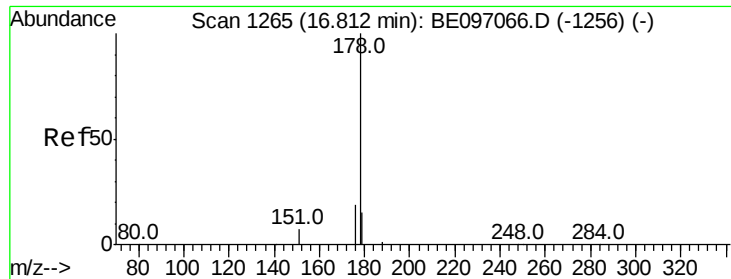
Delta R.T. 0.00 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

Tgt Ion:	266	Resp:	6
Ion	Ratio	Lower	Upper
266	100		
264	91.8	72.5	108.7
268	98.0	73.8	110.6





#23

Phenanthrene

Concen: 0.003 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

Instrument :

BNA_E

ClientSampleId :

PB111338BL

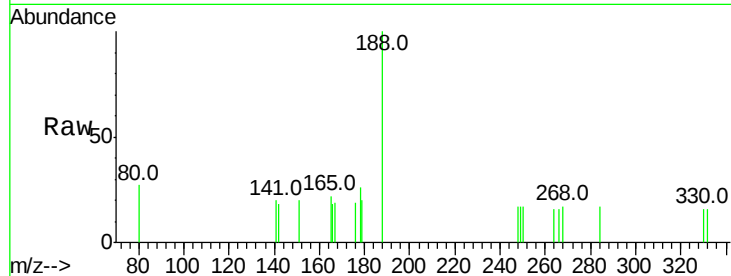
Tot Ion:178 Resp: 66

Ion Ratio Lower Upper

178 100

176 25.8 15.1 22.7#

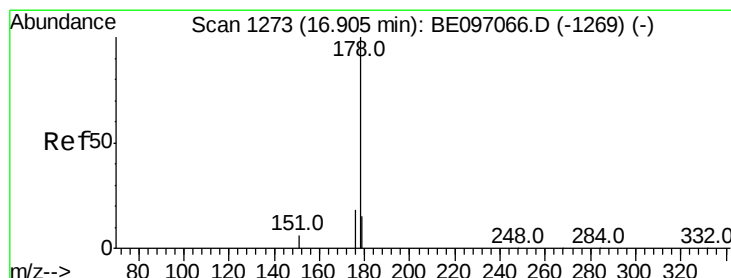
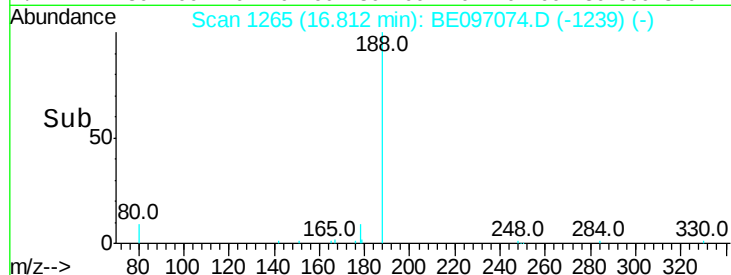
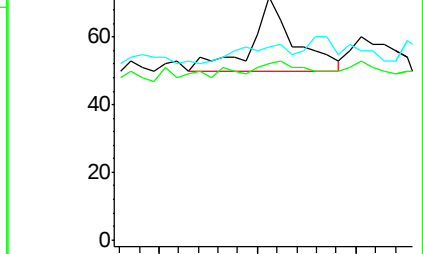
179 31.8 11.8 17.6#



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: BE097074.D

Acq: 24 Jul 2018 16:34

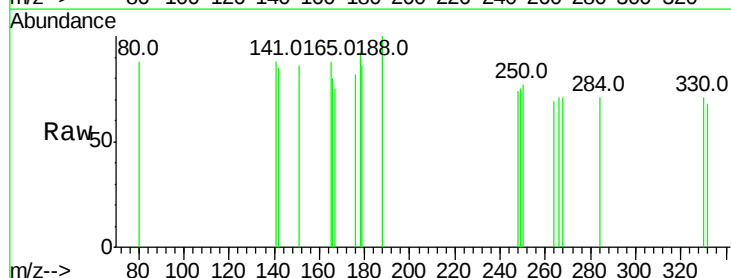
Tgt Ion:178 Resp: 29

Ion Ratio Lower Upper

178 100

176 20.7 12.8 19.2#

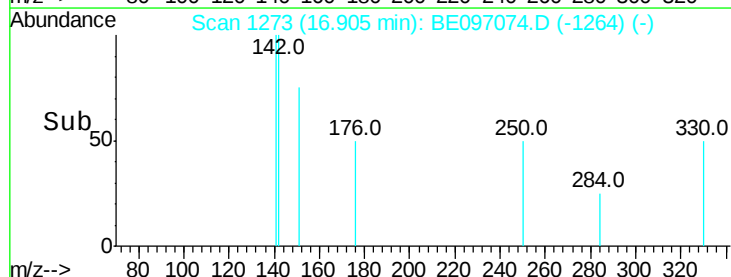
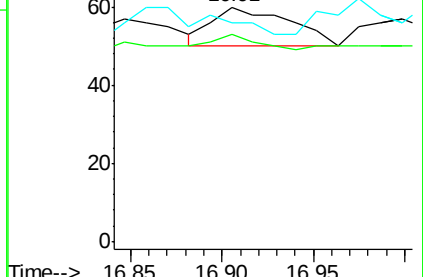
179 0.0 13.0 19.6#



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: 0.442 ng

RT: 18.82 min Scan# 1504

Delta R.T. 0.01 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

Instrument :

BNA_E

ClientSampleId :

PB111338BL

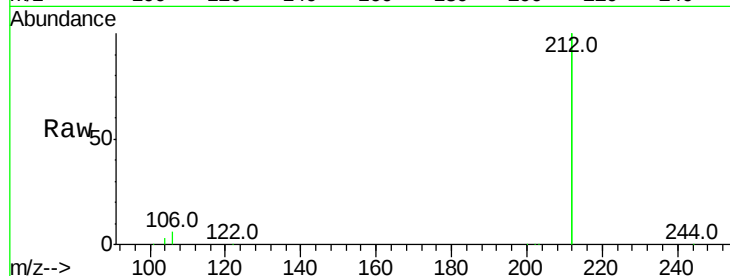
Tot Ion:212 Resp: 38700

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

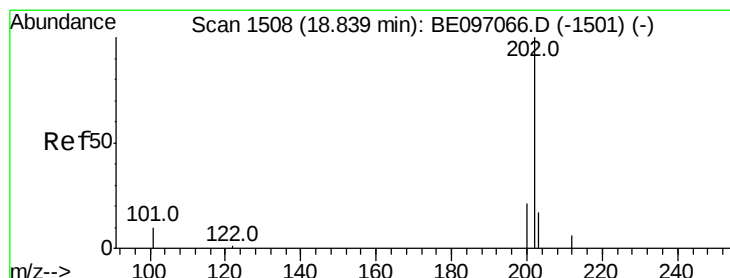
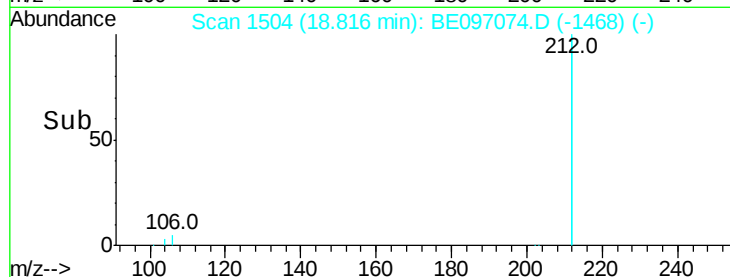
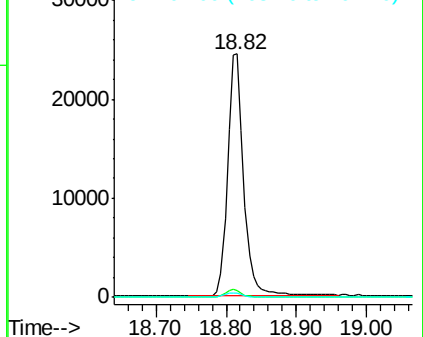
104 1.7 1.6 2.4



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: 0.002 ng

RT: 18.84 min Scan# 1509

Delta R.T. 0.01 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

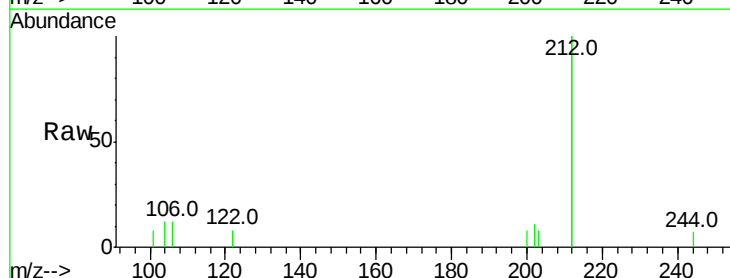
Tgt Ion:202 Resp: 47

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

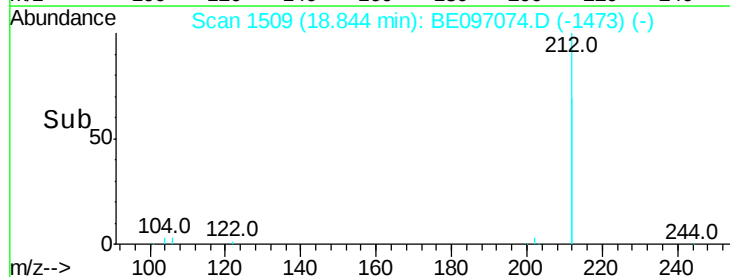
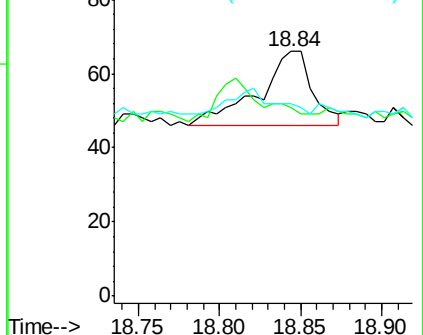
203 0.0 13.7 20.5#



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# 1788

Delta R.T. 0.00 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

Instrument :

BNA_E

ClientSampleId :

PB111338BL

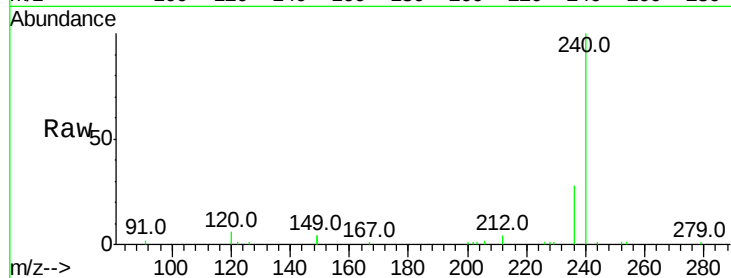
Tot Ion:240 Resp: 8085

Ion Ratio Lower Upper

240 100

120 6.0 5.5 8.3

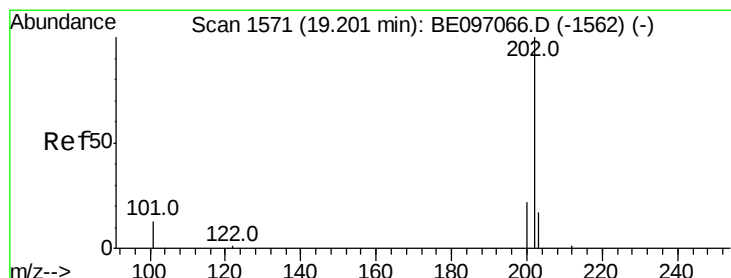
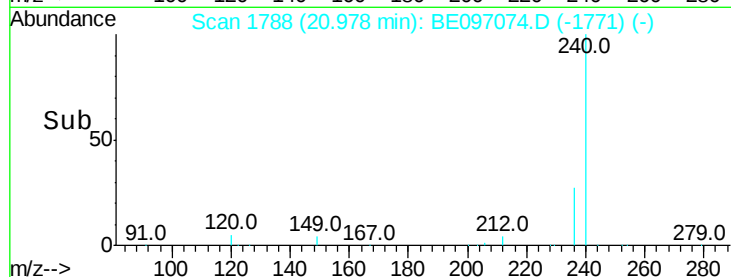
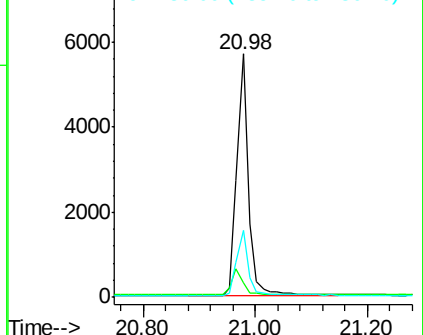
236 27.6 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.002 ng

RT: 19.20 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

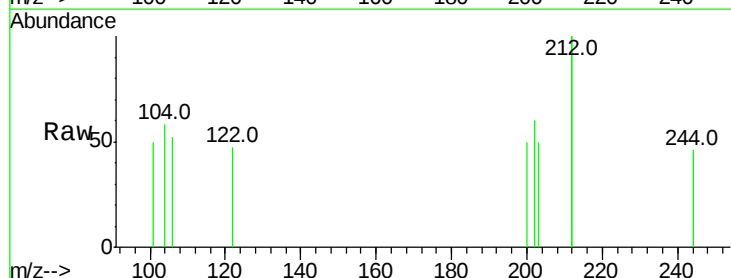
Tgt Ion:202 Resp: 39

Ion Ratio Lower Upper

202 100

200 30.8 16.6 25.0#

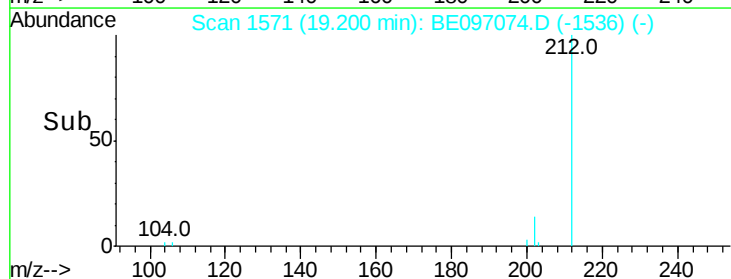
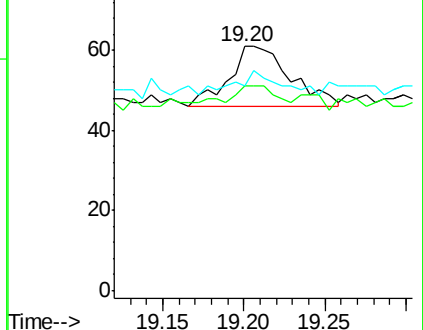
203 25.6 13.8 20.8#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.409 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

Instrument :

BNA_E

ClientSampleId :

PB111338BL

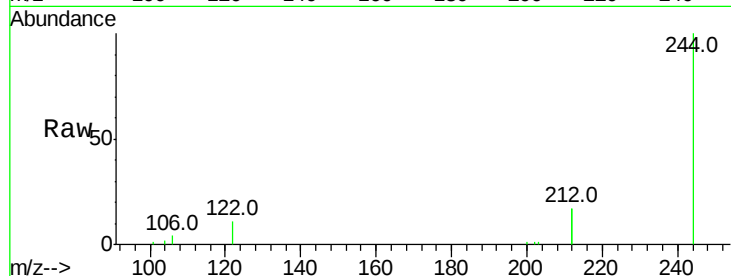
Tot Ion:244 Resp: 6350

Ion Ratio Lower Upper

244 100

212 33.8 25.4 38.0

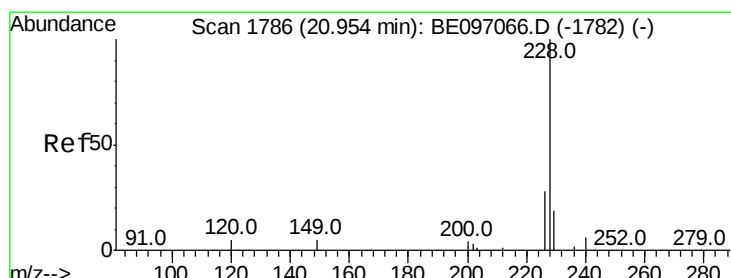
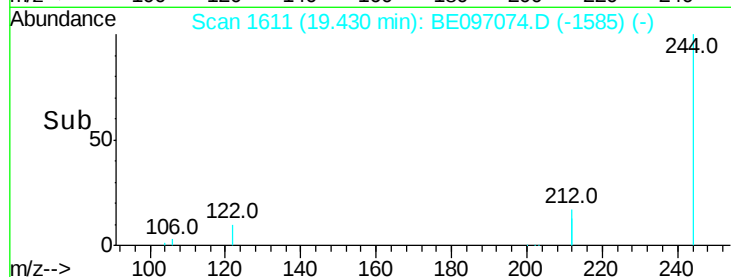
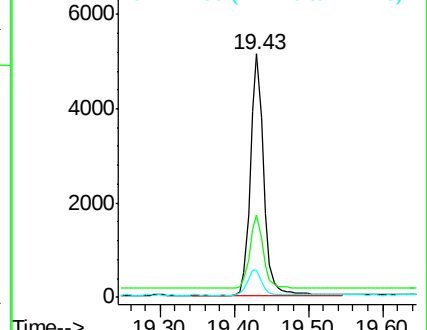
122 11.2 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.003 ng

RT: 20.97 min Scan# 1787

Delta R.T. 0.01 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

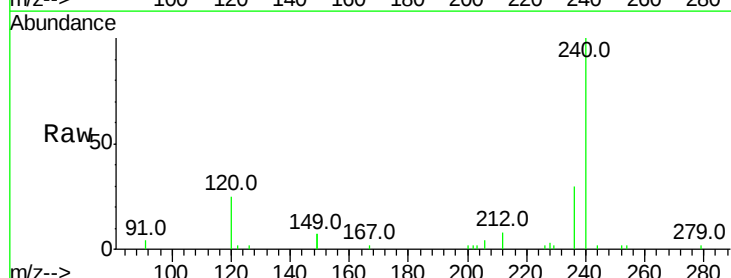
Tgt Ion:228 Resp: 55

Ion Ratio Lower Upper

228 100

226 75.4 24.0 36.0#

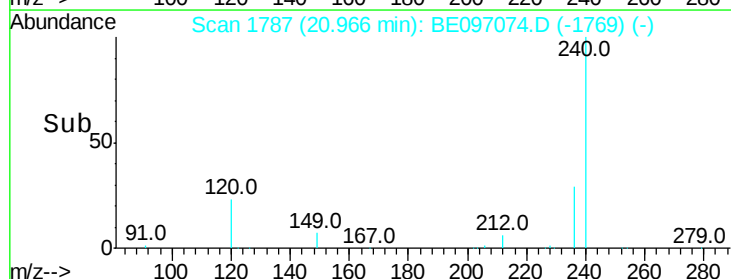
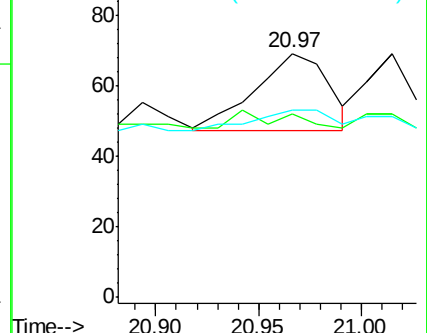
229 76.8 16.0 24.0#



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





#31

Chrysene

Concen: 0.002 ng

RT: 21.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

Instrument :

BNA_E

ClientSampleId :

PB111338BL

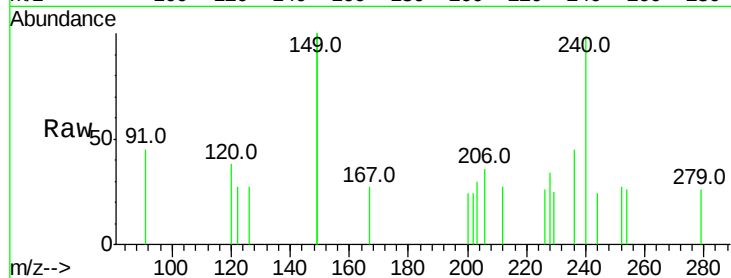
Tot Ion:228 Resp: 34

Ion Ratio Lower Upper

228 100

226 75.4 24.0 36.0#

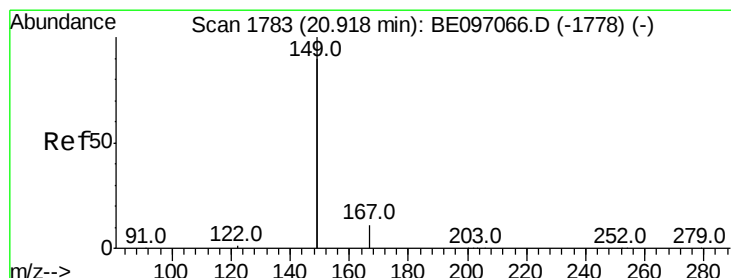
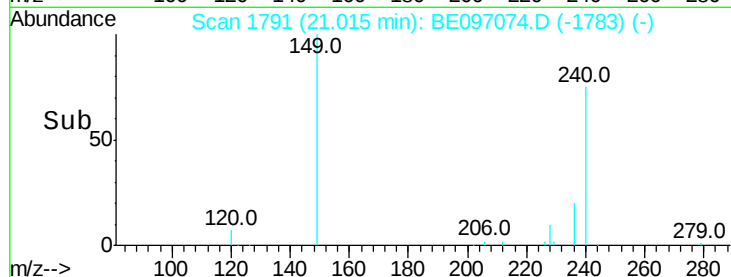
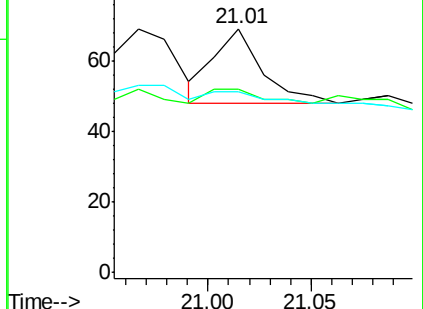
229 73.9 16.0 24.0#



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: Below Cal

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

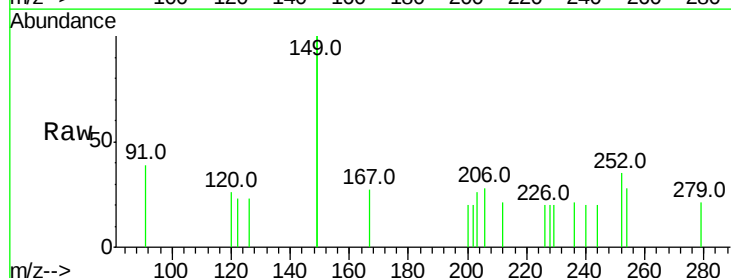
Tgt Ion:149 Resp: 212

Ion Ratio Lower Upper

149 100

167 8.5 5.4 8.0#

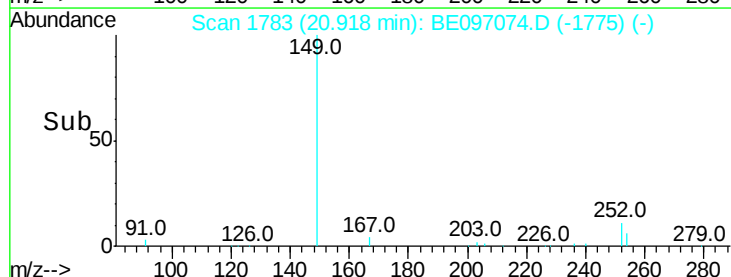
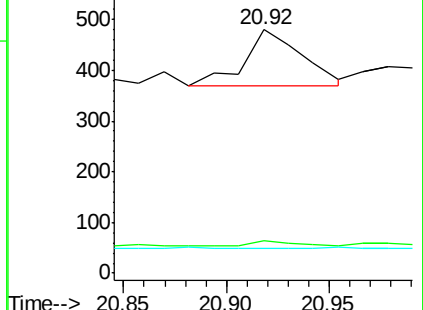
279 0.0 0.7 1.1#



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: 0.001 ng

RT: 25.51 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

Instrument :

BNA_E

ClientSampleId :

PB111338BL

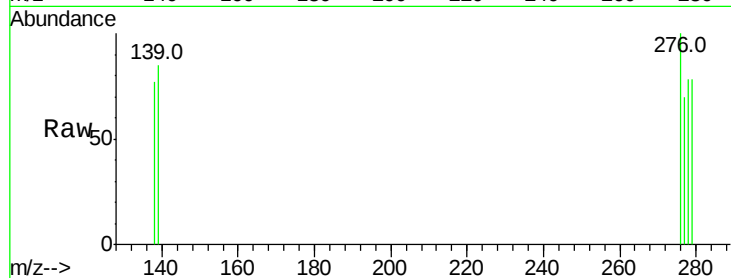
Tot Ion:276 Resp: 11

Ion Ratio Lower Upper

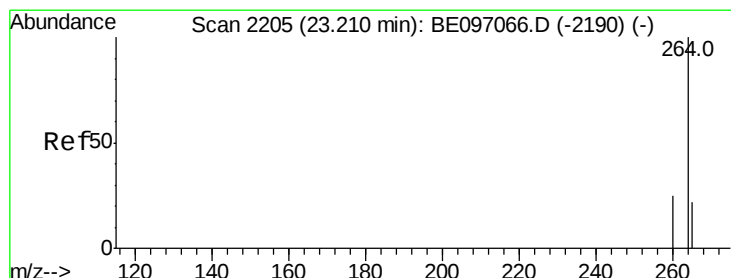
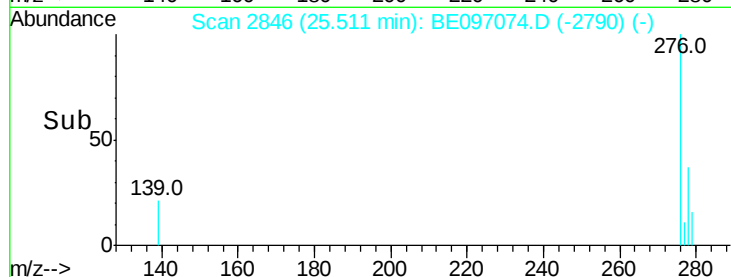
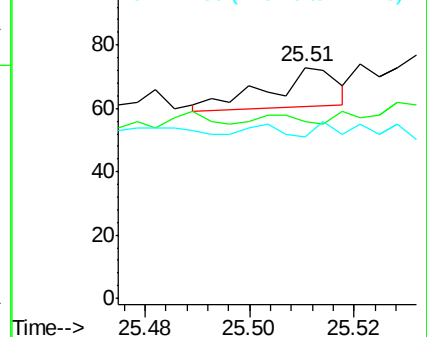
276 100

138 0.0 22.5 33.7#

277 18.2 19.9 29.9#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

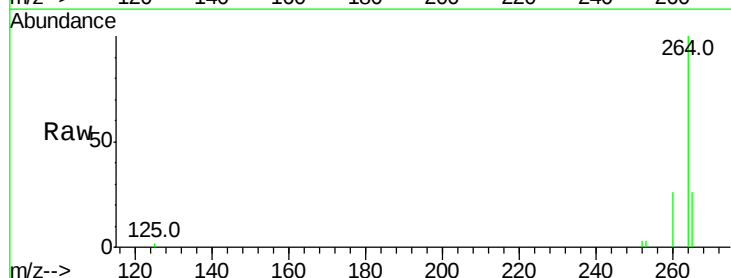
Tgt Ion:264 Resp: 7607

Ion Ratio Lower Upper

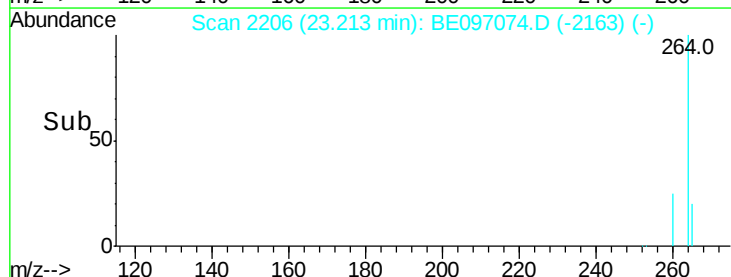
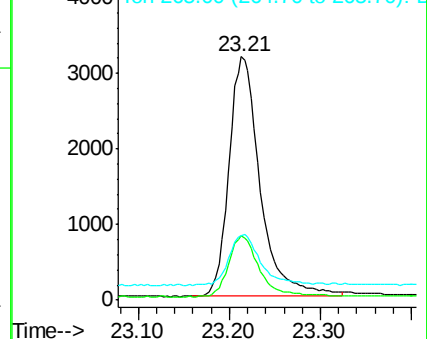
264 100

260 26.3 20.5 30.7

265 26.4 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





#35

Benzo(b)fluoranthene

Concen: 0.002 ng

RT: 22.55 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

Instrument :

BNA_E

ClientSampleId :

PB111338BL

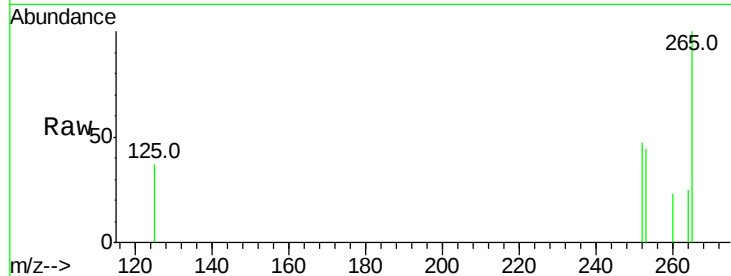
Tot Ion:252 Resp: 37

Ion Ratio Lower Upper

252 100

253 93.4 20.0 30.0#

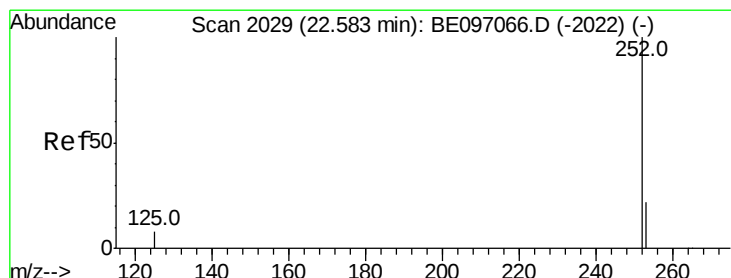
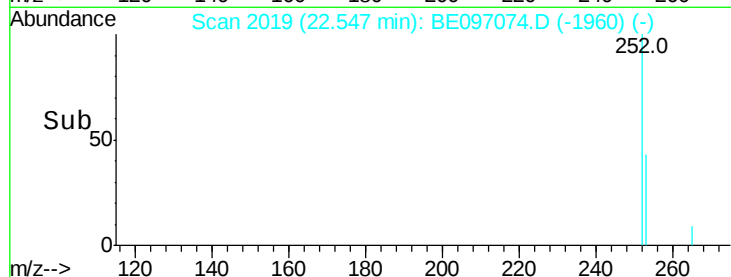
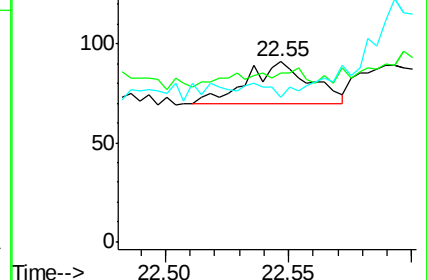
125 80.2 16.0 24.0#



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: 0.002 ng

RT: 22.55 min Scan# 2019

Delta R.T. -0.04 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

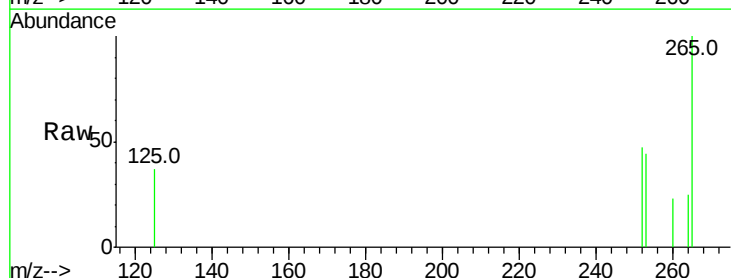
Tgt Ion:252 Resp: 37

Ion Ratio Lower Upper

252 100

253 93.4 16.0 24.0#

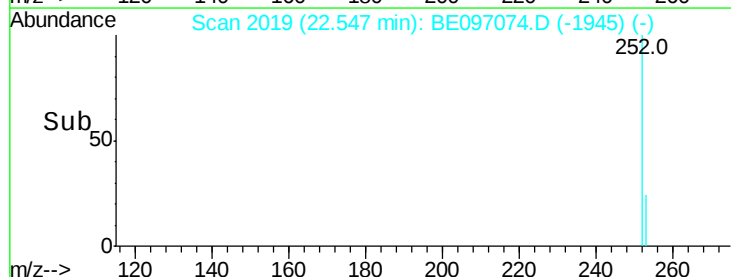
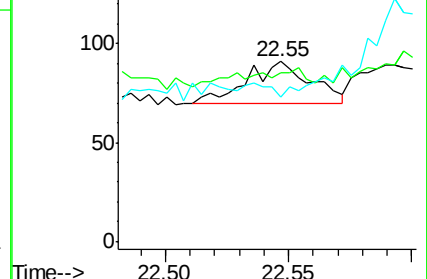
125 80.2 8.0 12.0#



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: 23.11 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

Instrument :

BNA_E

ClientSampleId :

PB111338BL

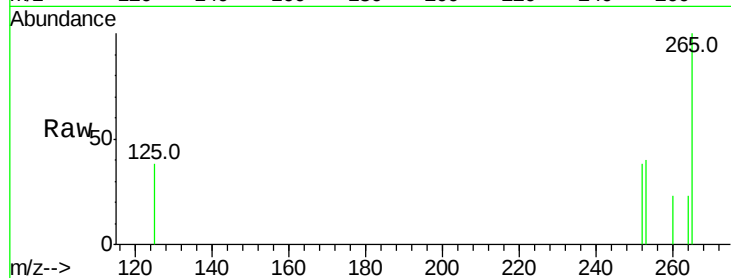
Tot Ion:252 Resp: 6

Ion Ratio Lower Upper

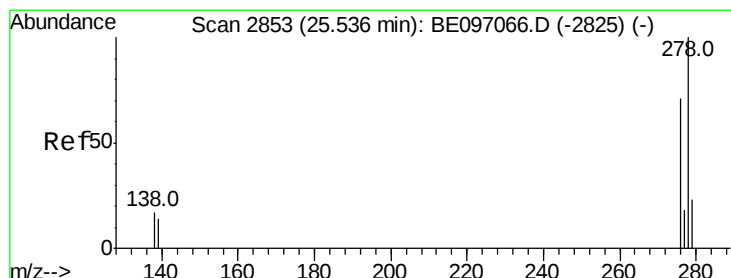
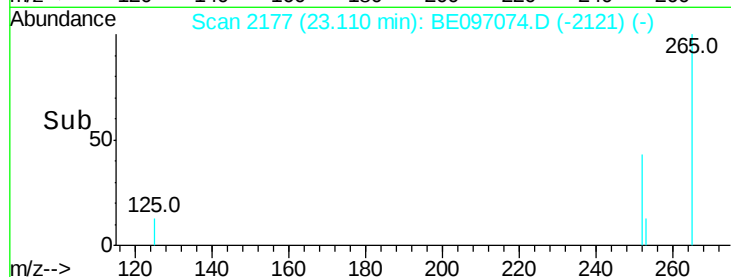
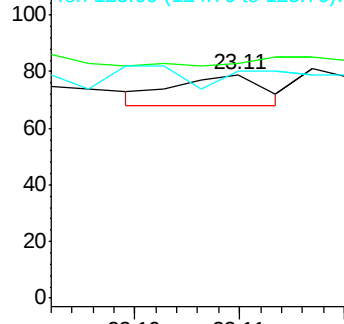
252 100

253 105.1 16.0 24.0#

125 101.3 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: 0.000 ng

RT: 25.54 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE097074.D

Acq: 24 Jul 2018 16:34

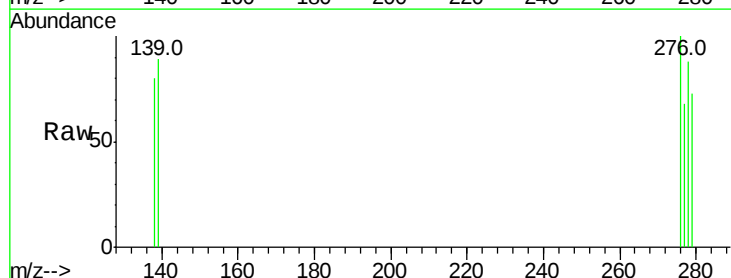
Tgt Ion:278 Resp: 9

Ion Ratio Lower Upper

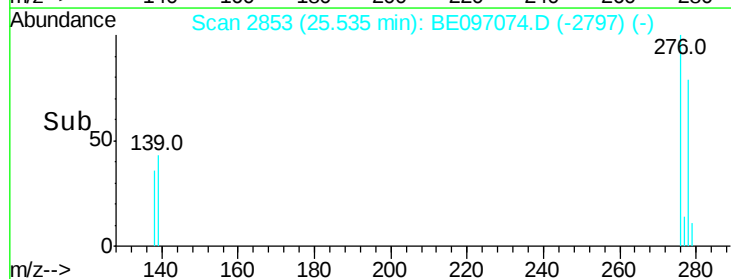
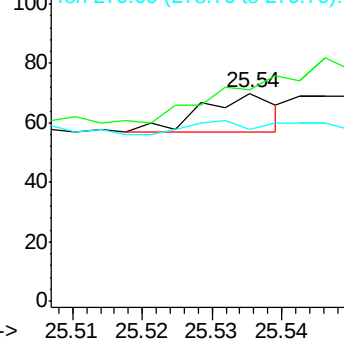
278 100

139 101.4 16.0 24.0#

279 82.9 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# 3042

Delta R.T. 0.01 min

Lab File: BE097074.D

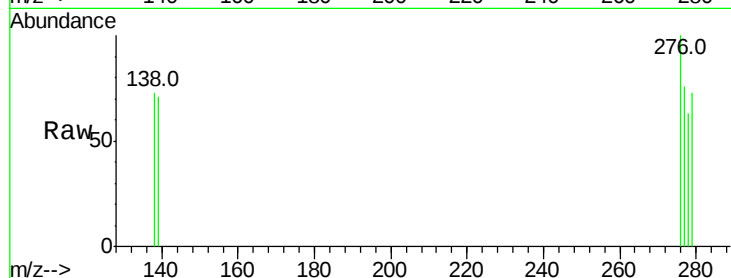
Acq: 24 Jul 2018 16:34

Instrument :

BNA_E

ClientSampleId :

PB111338BL



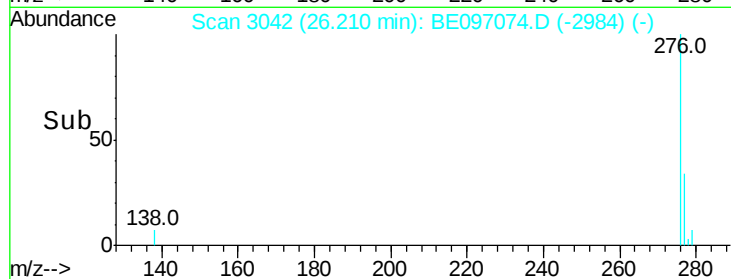
Tot Ion: 276 Resp: 19

Ion Ratio Lower Upper

276 100

277 75.6 16.0 24.0#

138 73.1 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

26.21

Time--> 26.16 26.18 26.20 26.22