

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097084.D
 Acq On : 24 Jul 2018 22:50
 Operator : SJ/JU
 Sample : J4073-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 25 00:39:09 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	1410	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6675	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4164	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	12288	0.40	ng	0.00
27) Chrysene-d12	20.97	240	11542	0.40	ng	-0.01
34) Perylene-d12	23.21	264	10770	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	937	0.24	ng	0.00
5) Phenol-d6	6.60	99	798	0.14	ng	0.00
8) Nitrobenzene-d5	8.52	82	3179	0.55	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	5014	0.50	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	756	0.55	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	9026	0.63	ng	0.00
25) Fluoranthene-d10	18.81	212	71822	0.58	ng	0.00
29) Terphenyl-d14	19.42	244	14898	0.67	ng	0.00

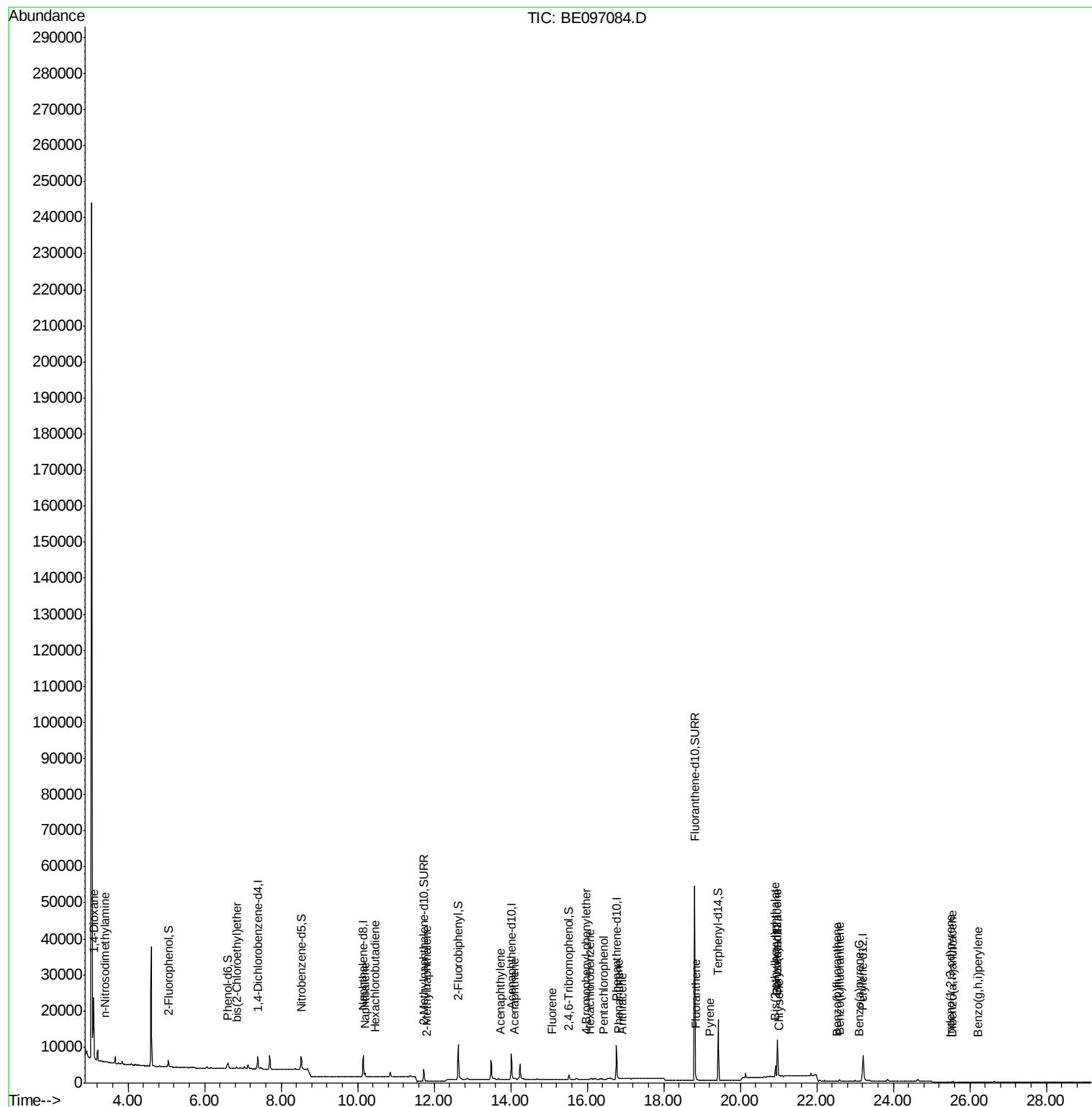
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	8093	3.612	ng	# 89
3) n-Nitrosodimethylamine	3.38	42	95	0.038	ng	# 14
6) bis(2-Chloroethyl)ether	6.84	93	159	0.030	ng	# 81
9) Naphthalene	10.20	128	1564	0.026	ng	# 88
10) Hexachlorobutadiene	10.46	225	1	0.000	ng	# 1
12) 2-Methylnaphthalene	11.81	142	161	0.016	ng	# 79
16) Acenaphthylene	13.74	152	12	0.001	ng	# 1
17) Acenaphthene	14.08	154	26	0.002	ng	# 86
18) Fluorene	15.07	166	69	0.005	ng	# 89
20) 4-Bromophenyl-phenylether	15.97	248	8	0.001	ng	# 34
21) Hexachlorobenzene	16.08	284	7	0.001	ng	# 23
22) Pentachlorophenol	16.44	266	3	0.036	ng	# 94
23) Phenanthrene	16.81	178	265	0.009	ng	# 92
24) Anthracene	16.90	178	18	0.001	ng	# 1
26) Fluoranthene	18.84	202	108	0.003	ng	# 90
28) Pyrene	19.20	202	91	0.003	ng	# 67
30) Benzo(a)anthracene	20.97	228	68	0.002	ng	# 1
31) Chrysene	21.00	228	54	0.002	ng	# 1
32) Bis(2-ethylhexyl)phthalate	20.92	149	3821	0.123	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.50	276	1	0.000	ng	# 1
35) Benzo(b)fluoranthene	22.54	252	63	0.002	ng	# 1
36) Benzo(k)fluoranthene	22.59	252	58	0.002	ng	# 1
37) Benzo(a)pyrene	23.11	252	4	0.000	ng	# 1
38) Dibenzo(a,h)anthracene	25.54	278	4	0.000	ng	# 1
39) Benzo(g,h,i)perylene	26.20	276	6	0.000	ng	# 1

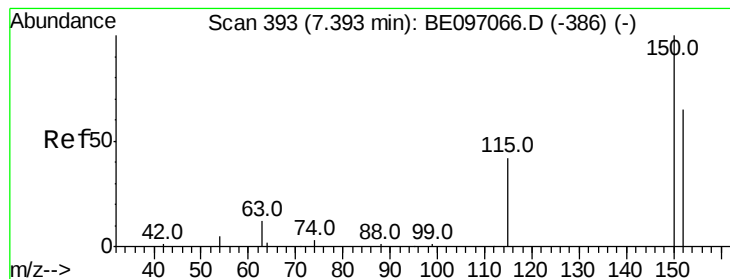
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

Instrument :

BNA_E

ClientSampleId :

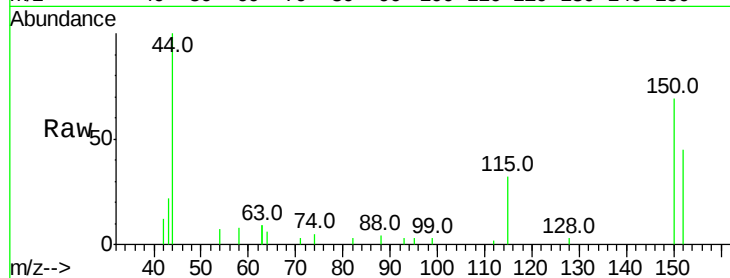
Tot Ion:152 Resp: 1410

Ion Ratio Lower Upper

152 100

150 153.2 117.2 175.8

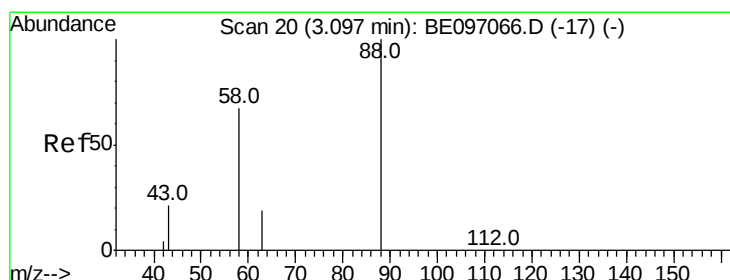
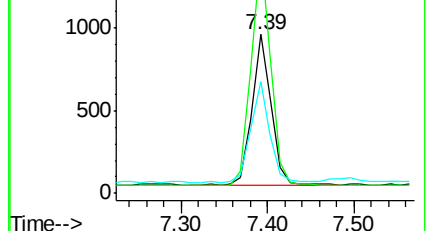
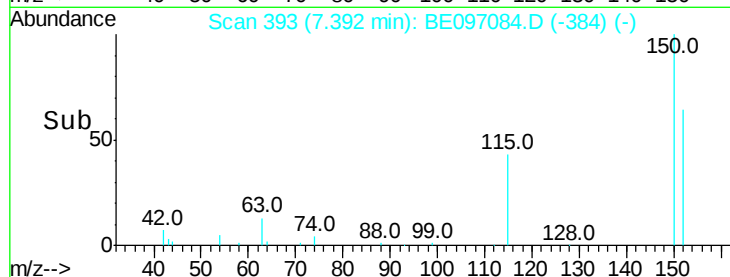
115 70.1 57.0 85.6



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: 3.612 ng

RT: 3.10 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

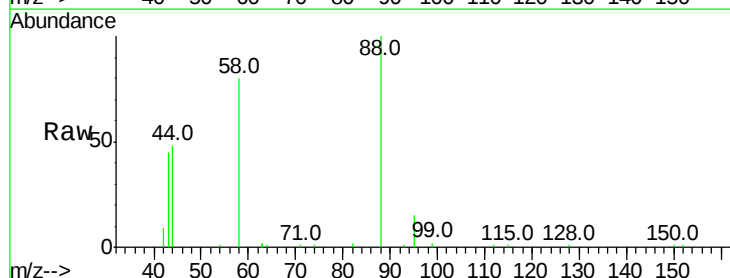
Tgt Ion: 88 Resp: 8093

Ion Ratio Lower Upper

88 100

58 83.8 63.2 94.8

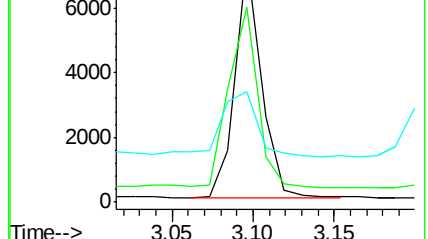
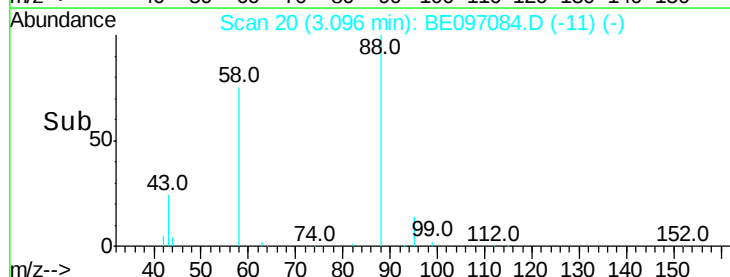
43 38.6 41.2 61.8#



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

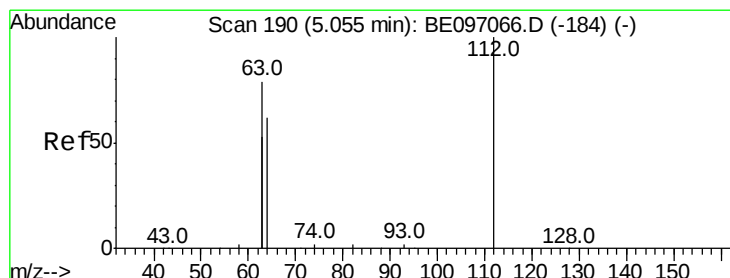
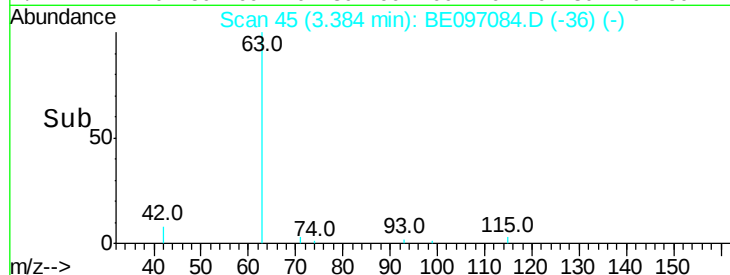
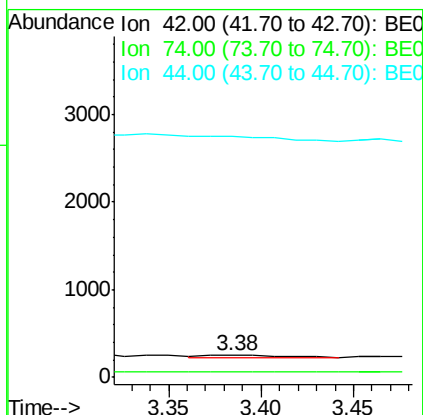
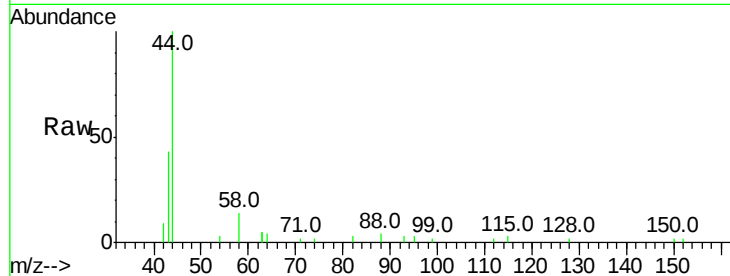




#3
 n-Nitrosodimethylamine
 Concen: 0.038 ng
 RT: 3.38 min Scan# 45
 Delta R.T. -0.00 min
 Lab File: BE097084.D
 Acq: 24 Jul 2018 22:50

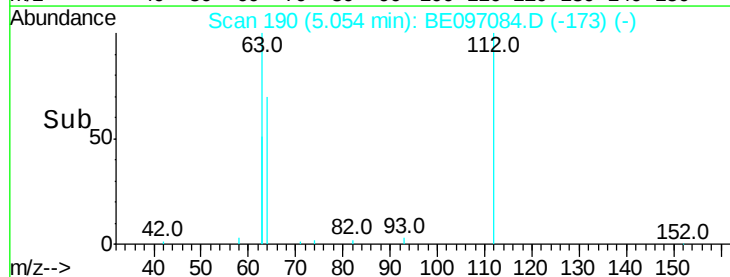
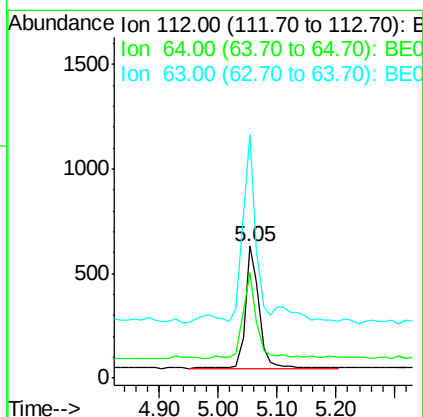
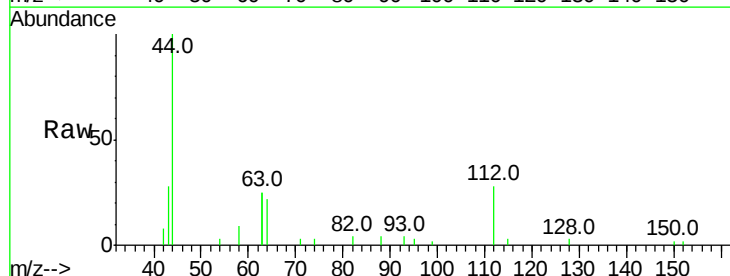
Instrument :
 BNA_E
 ClientSampleId :

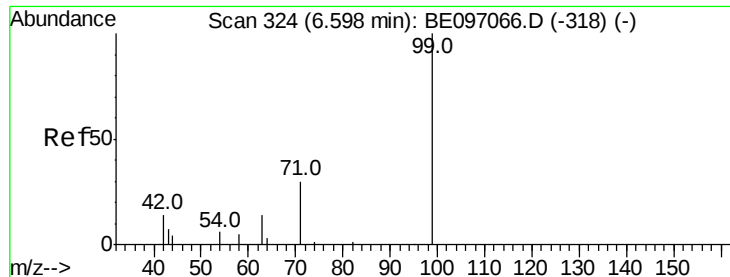
Tot Ion: 42 Resp: 95
 Ion Ratio Lower Upper
 42 100
 74 17.9 96.0 144.0#
 44 0.0 12.0 18.0#



#4
 2-Fluorophenol
 Concen: 0.236 ng
 RT: 5.05 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: BE097084.D
 Acq: 24 Jul 2018 22:50

Tgt Ion: 112 Resp: 937
 Ion Ratio Lower Upper
 112 100
 64 70.4 60.1 90.1
 63 142.6 116.8 175.2





#5

Phenol-d6

Concen: 0.137 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

Instrument :

BNA_E

ClientSampleId :

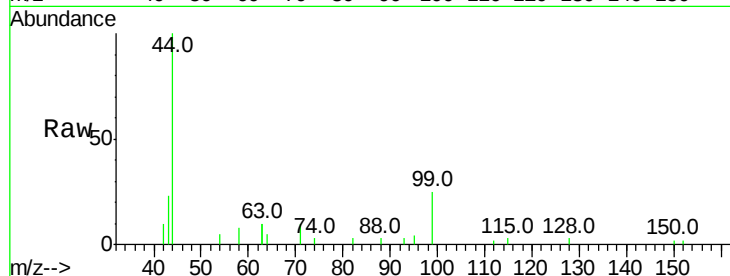
Tot Ion: 99 Resp: 798

Ion Ratio Lower Upper

99 100

42 34.8 20.2 30.2#

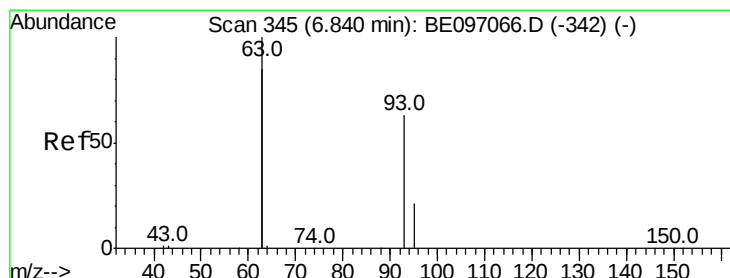
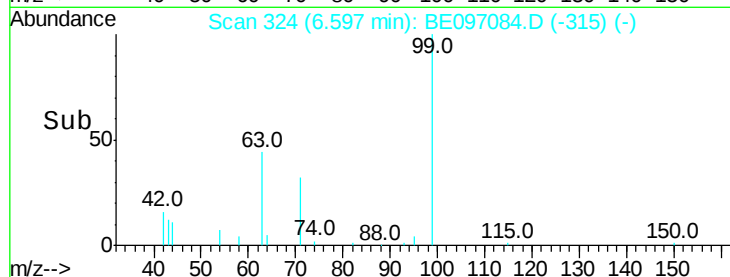
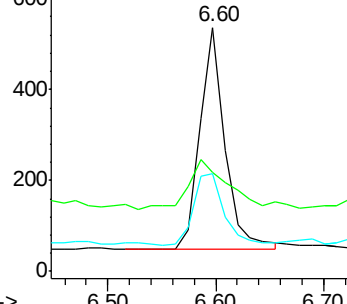
71 38.8 28.4 42.6



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: 0.030 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

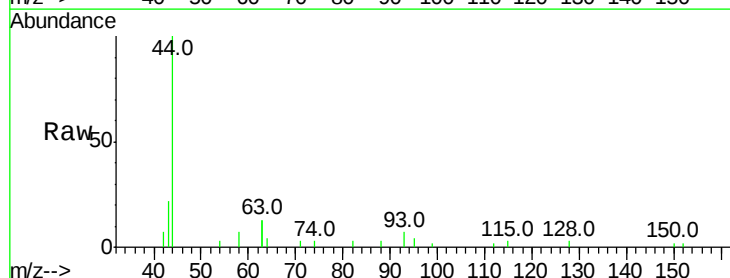
Tgt Ion: 93 Resp: 159

Ion Ratio Lower Upper

93 100

63 302.5 275.3 412.9

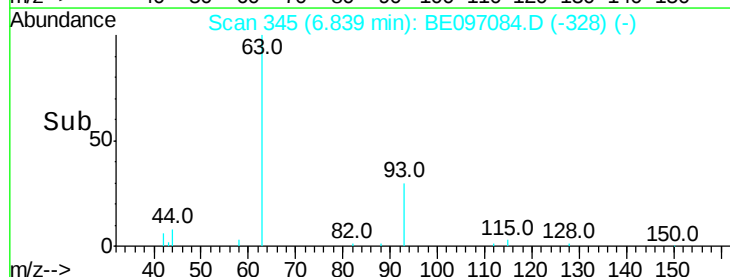
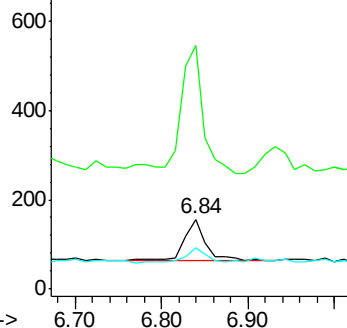
95 37.1 25.2 37.8



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: BE097084.D

Acq: 24 Jul 2018 22:50

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 6675

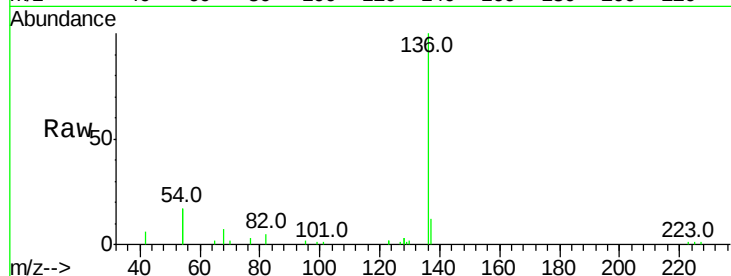
Ion Ratio Lower Upper

136 100

137 11.7 9.5 14.3

54 34.3 29.1 43.7

68 7.1 6.2 9.2

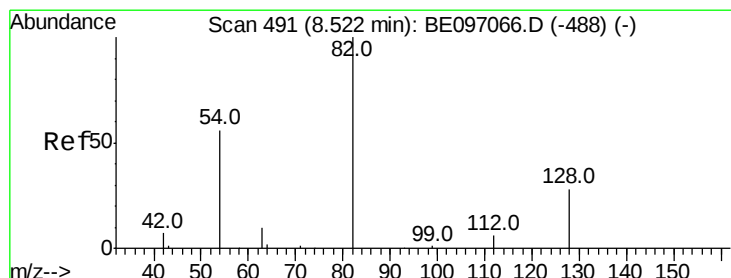
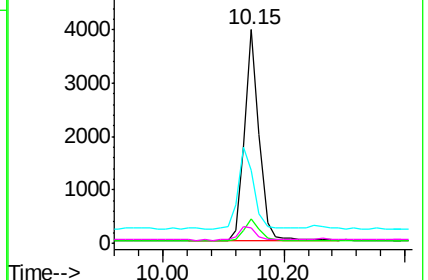
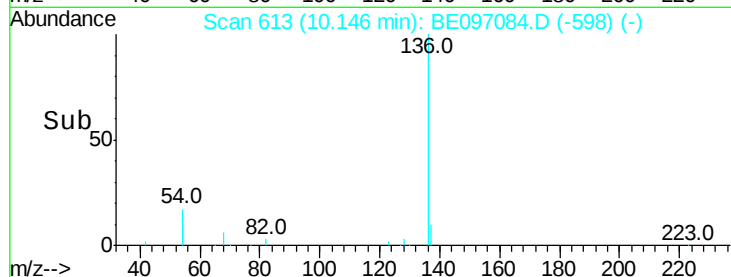


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.548 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

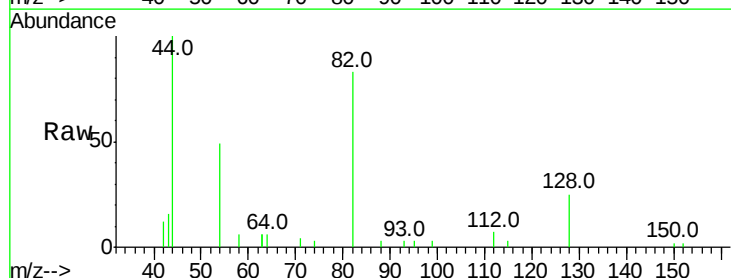
Tgt Ion: 82 Resp: 3179

Ion Ratio Lower Upper

82 100

128 29.8 24.0 36.0

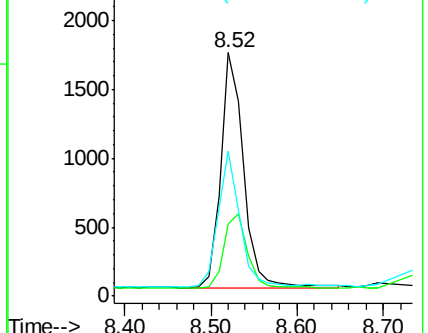
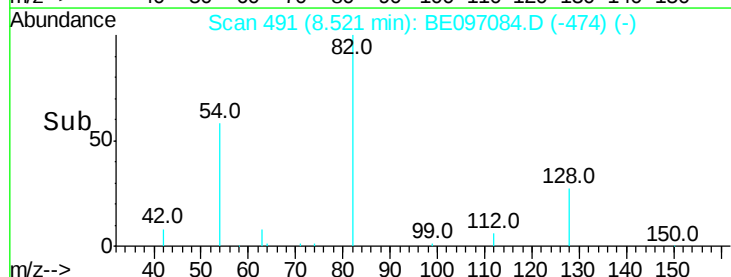
54 59.4 40.0 60.0



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: 0.026 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

Instrument :

BNA_E

ClientSampled :

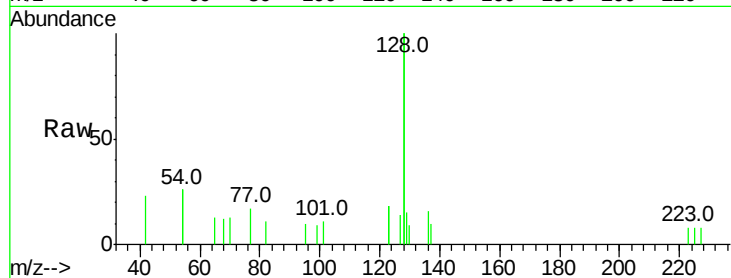
Tot Ion:128 Resp: 1564

Ion Ratio Lower Upper

128 100

129 7.6 2.6 3.8#

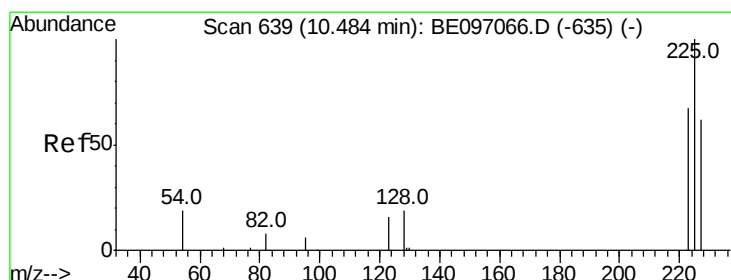
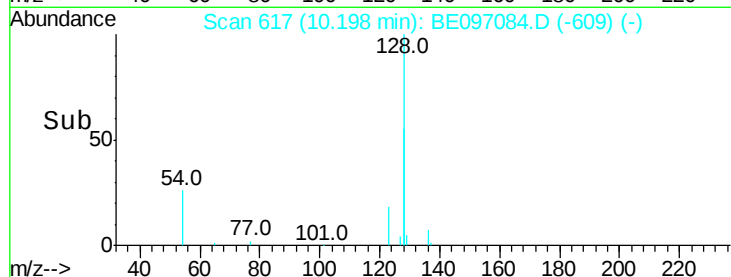
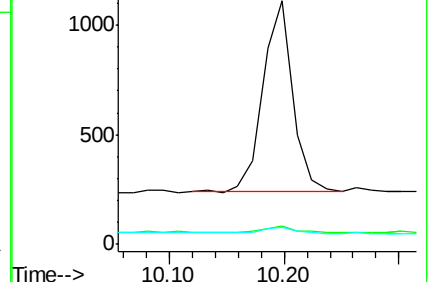
127 6.8 2.8 4.2#



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: 0.000 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.03 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

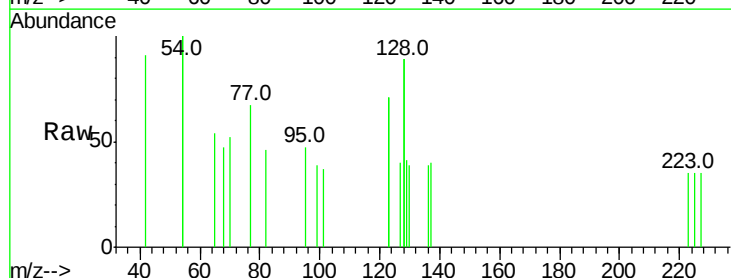
Tgt Ion:225 Resp: 1

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.6#

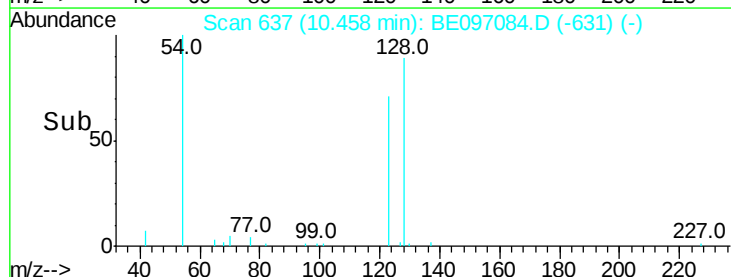
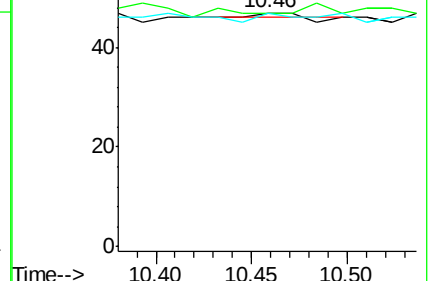
227 500.0 51.4 77.2#



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

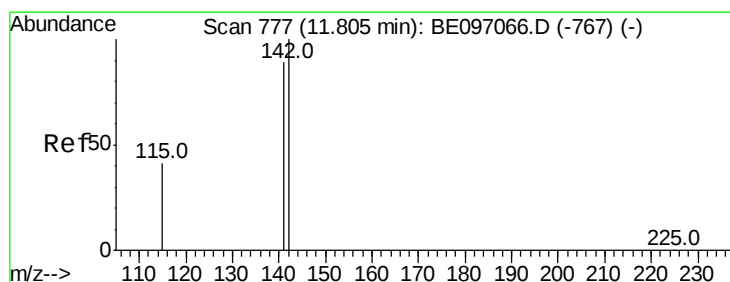
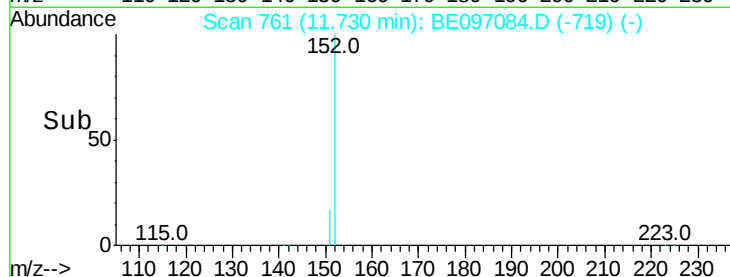
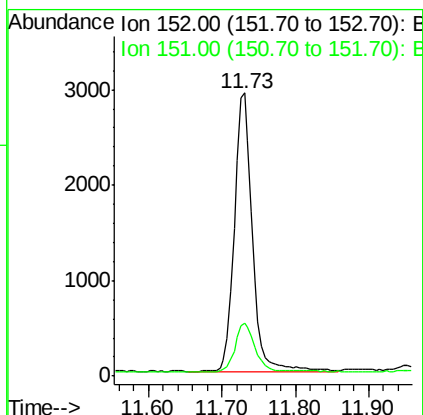
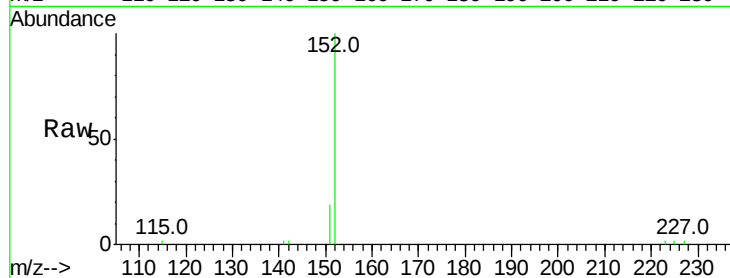




#11
2-Methylnaphthalene-d10
Concen: 0.502 ng
RT: 11.73 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE097084.D
Acq: 24 Jul 2018 22:50

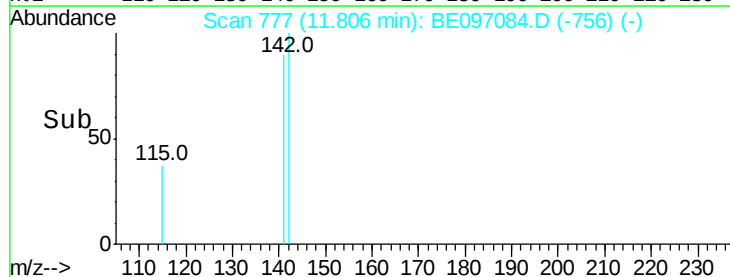
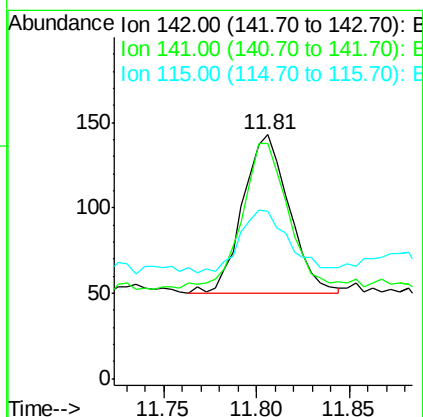
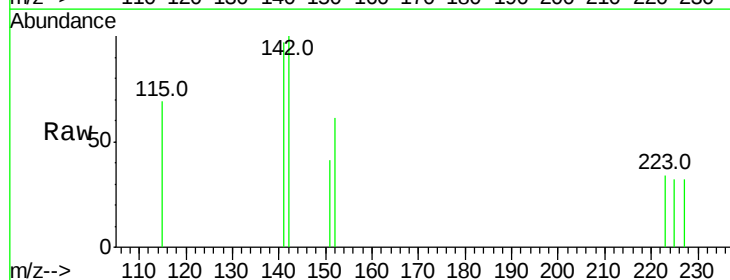
Instrument :
BNA_E
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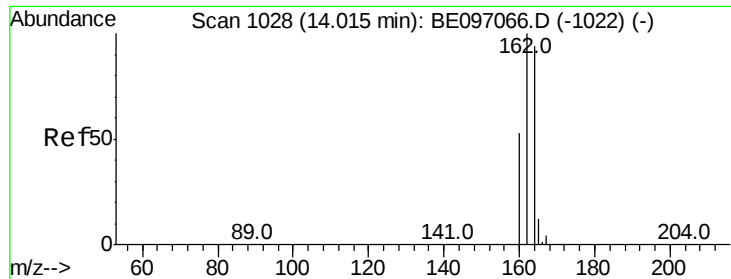
Tot Ion:152 Resp: 5014
Ion Ratio Lower Upper
152 100
151 18.6 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.016 ng
RT: 11.81 min Scan# 777
Delta R.T. 0.00 min
Lab File: BE097084.D
Acq: 24 Jul 2018 22:50

Tgt Ion:142 Resp: 161
Ion Ratio Lower Upper
142 100
141 96.5 70.4 105.6
115 68.5 31.7 47.5#

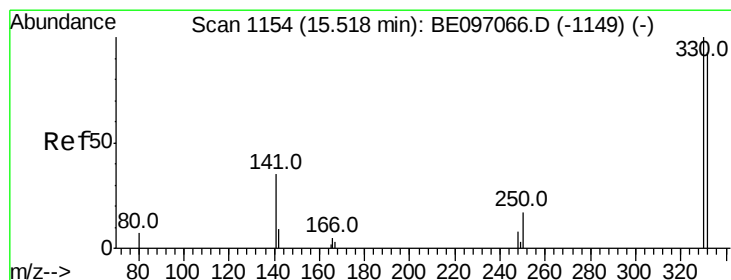
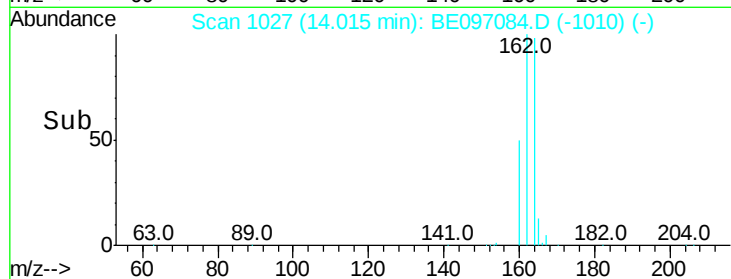
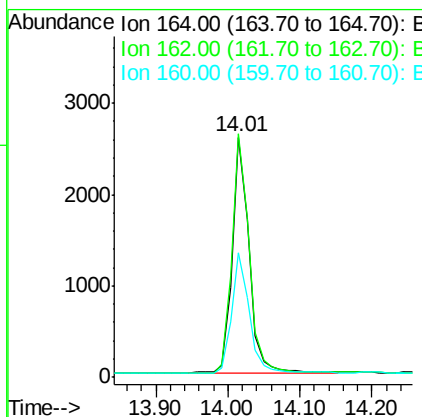
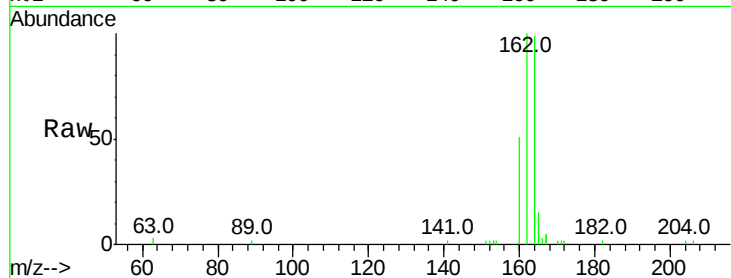




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.01 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BE097084.D
 Acq: 24 Jul 2018 22:50

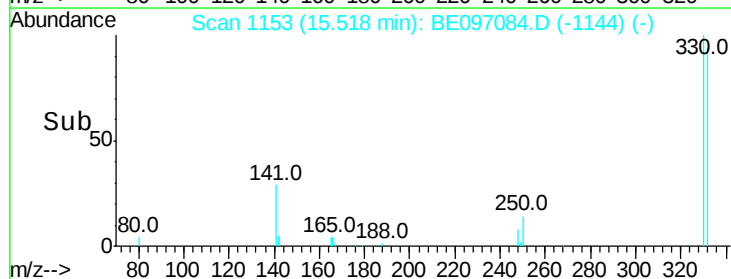
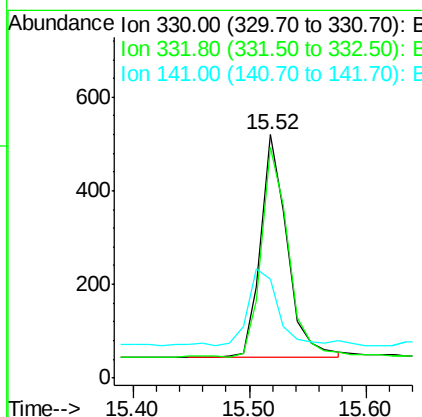
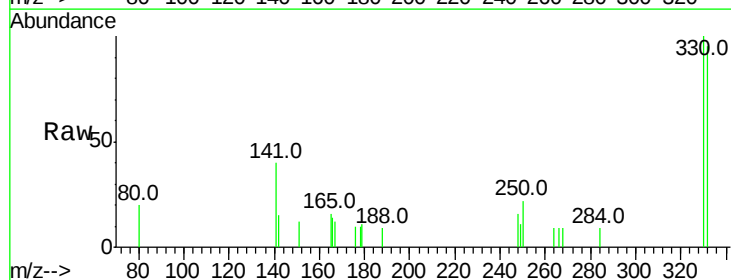
Instrument :
 BNA_E
 ClientSampleId :

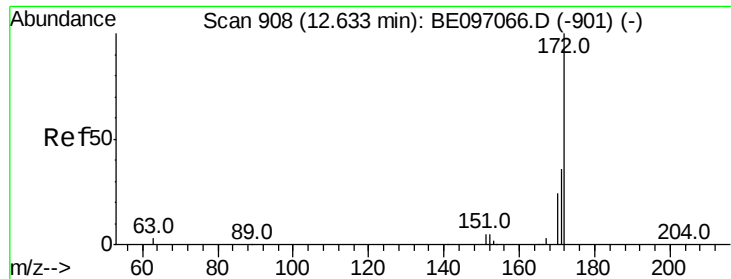
Tot Ion:164 Resp: 4164
 Ion Ratio Lower Upper
 164 100
 162 101.4 83.1 124.7
 160 51.8 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.552 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BE097084.D
 Acq: 24 Jul 2018 22:50

Tgt Ion:330 Resp: 756
 Ion Ratio Lower Upper
 330 100
 332 95.0 152.7 229.1#
 141 37.7 33.7 50.5

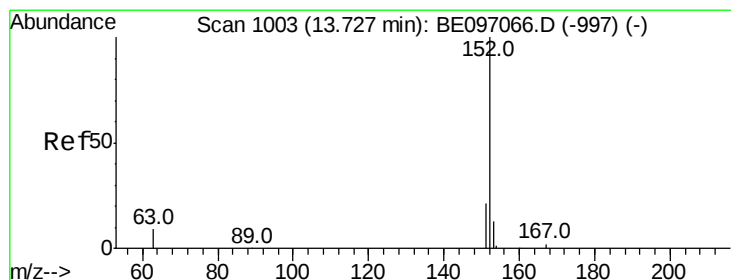
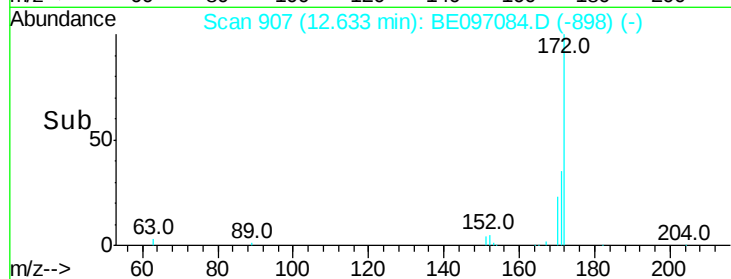
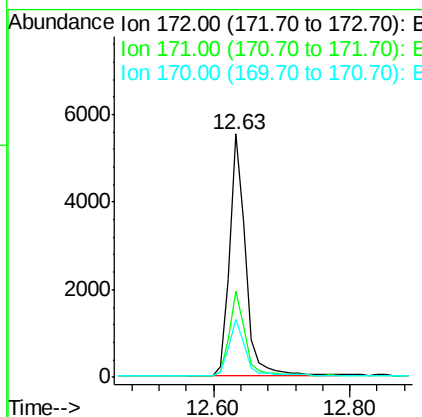
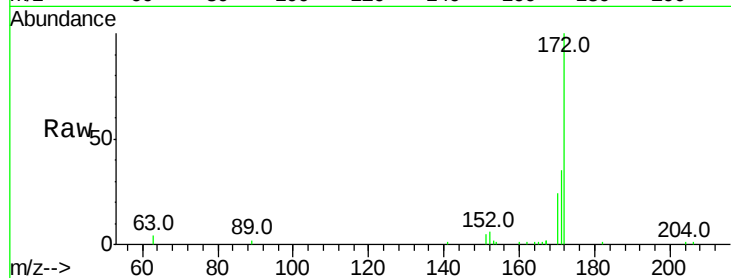




#15
2-Fluorobiphenyl
Concen: 0.628 ng
RT: 12.63 min Scan# 907
Delta R.T. -0.00 min
Lab File: BE097084.D
Acq: 24 Jul 2018 22:50

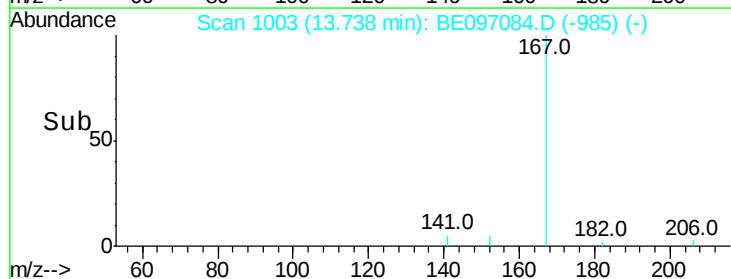
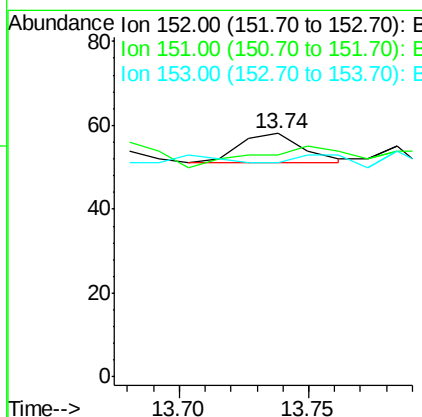
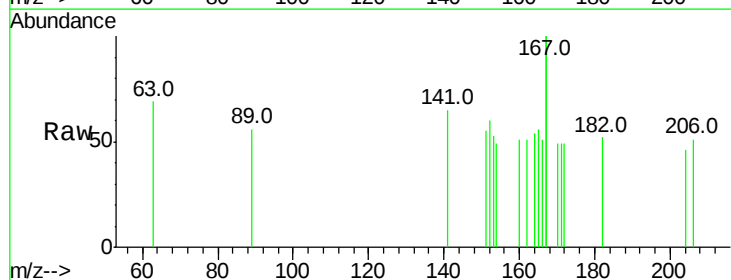
Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 9026
Ion Ratio Lower Upper
172 100
171 35.3 29.9 44.9
170 23.9 21.8 32.8



#16
Acenaphthylene
Concen: 0.001 ng
RT: 13.74 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BE097084.D
Acq: 24 Jul 2018 22:50

Tgt Ion:152 Resp: 12
Ion Ratio Lower Upper
152 100
151 108.3 15.7 23.5#
153 50.0 10.5 15.7#





#17

Acenaphthene

Concen: 0.002 ng

RT: 14.08 min Scan# 1033

Delta R.T. -0.00 min

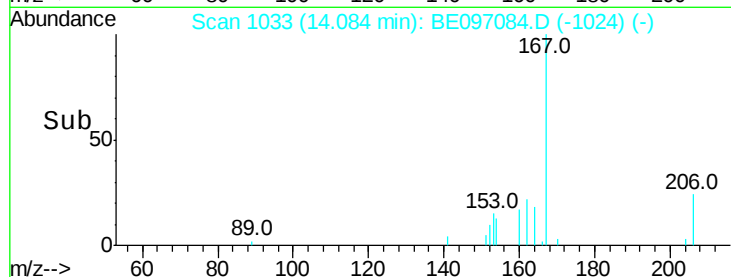
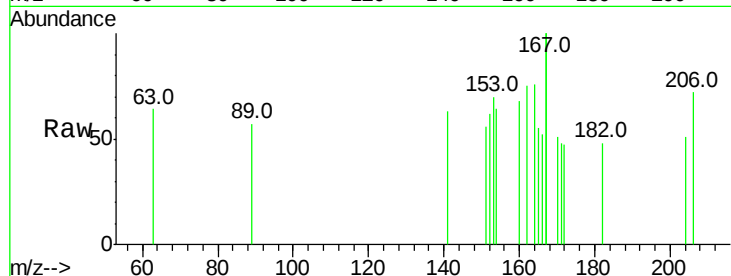
Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

Instrument :

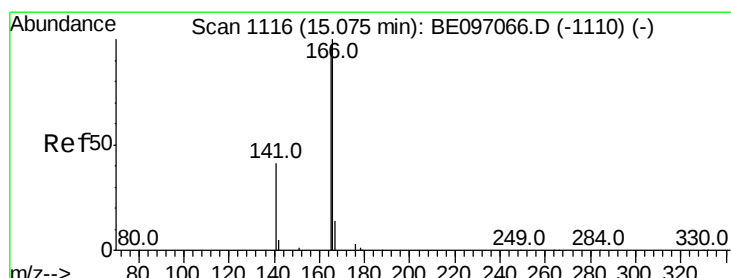
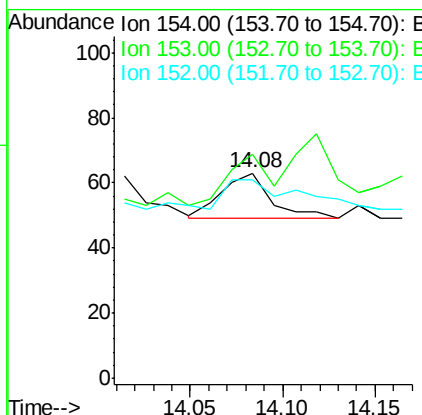
BNA_E

ClientSampleId :



Tot Ion:154 Resp: 26

Ion	Ratio	Lower	Upper
154	100		
153	103.8	89.2	133.8
152	73.1	42.0	63.0#



#18

Fluorene

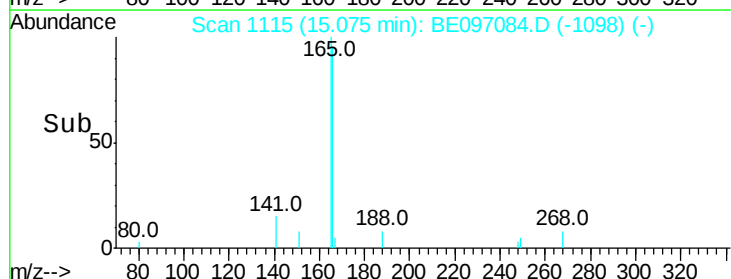
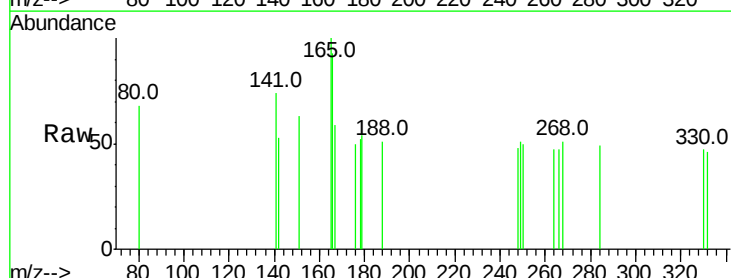
Concen: 0.005 ng

RT: 15.07 min Scan# 1115

Delta R.T. -0.00 min

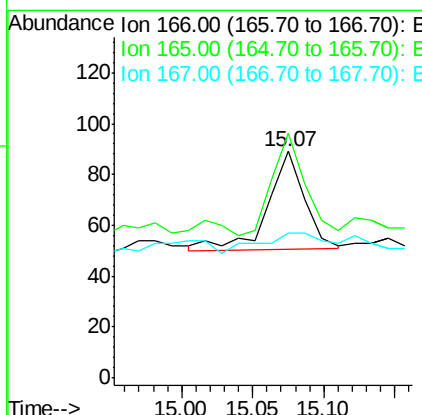
Lab File: BE097084.D

Acq: 24 Jul 2018 22:50



Tgt Ion:166 Resp: 69

Ion	Ratio	Lower	Upper
166	100		
165	92.8	77.8	116.6
167	37.7	42.4	63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

Instrument :

BNA_E

ClientSampled :

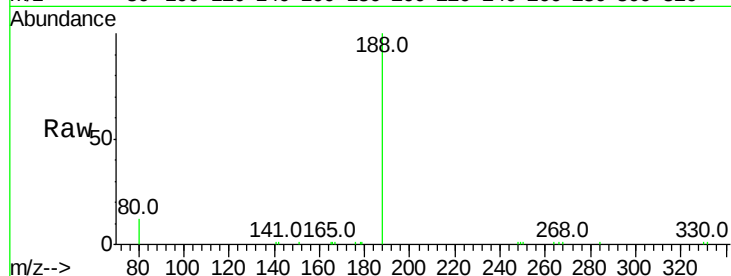
Tot Ion:188 Resp: 12288

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

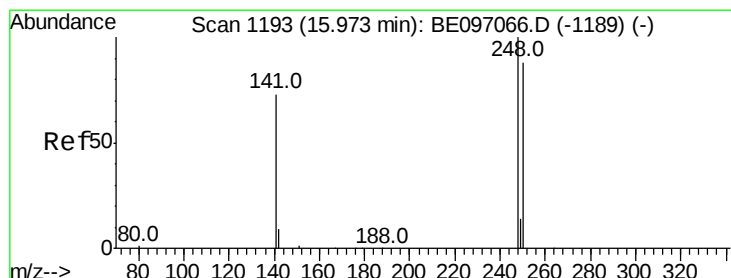
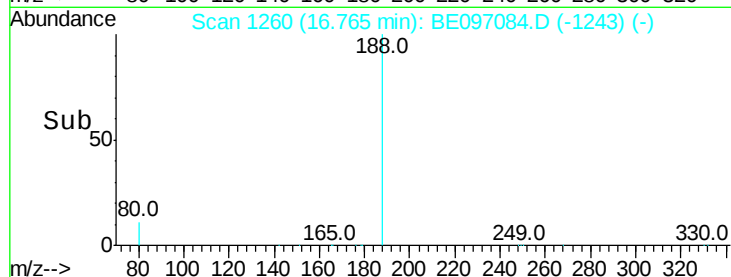
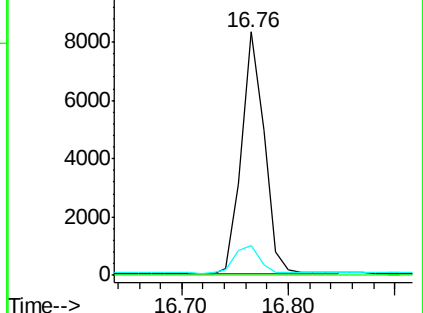
80 12.1 3.6 5.4#



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: 0.001 ng

RT: 15.97 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

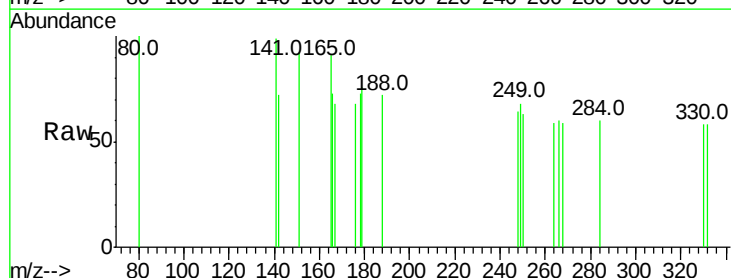
Tgt Ion:248 Resp: 8

Ion Ratio Lower Upper

248 100

250 98.0 62.7 94.1#

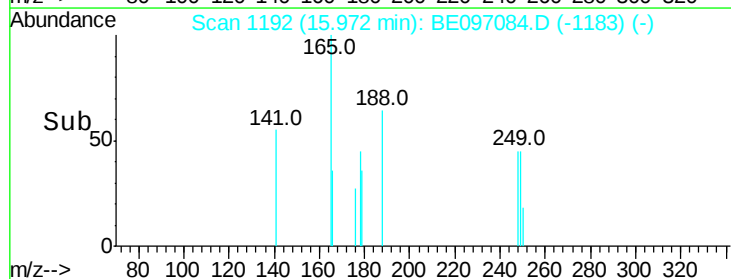
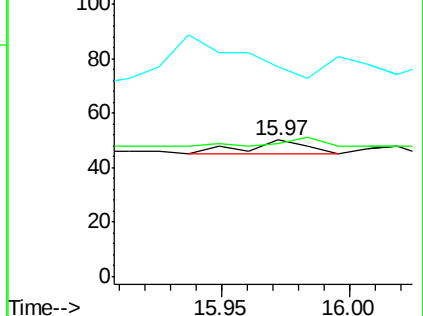
141 154.0 48.2 72.2#



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

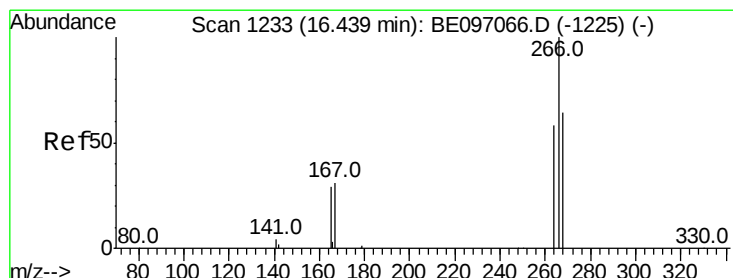
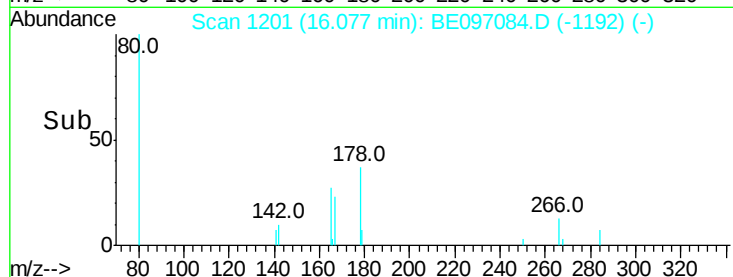
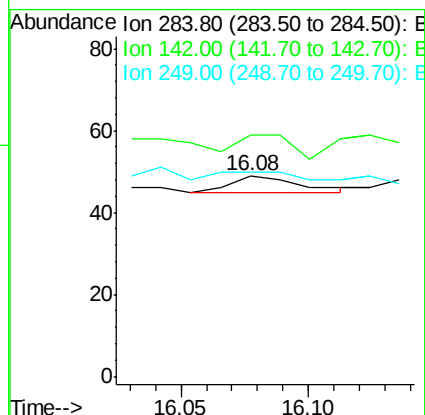
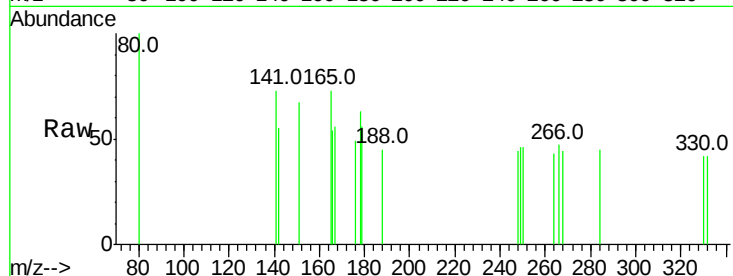




#21
Hexachlorobenzene
Concen: 0.001 ng
RT: 16.08 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BE097084.D
Acq: 24 Jul 2018 22:50

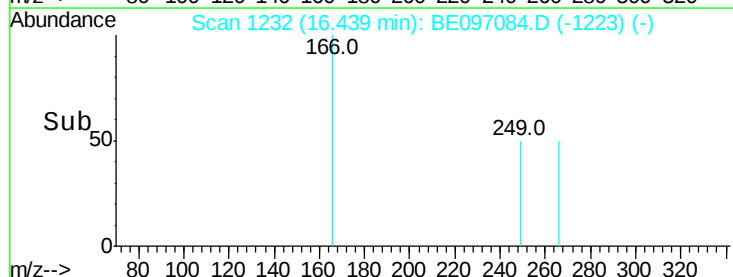
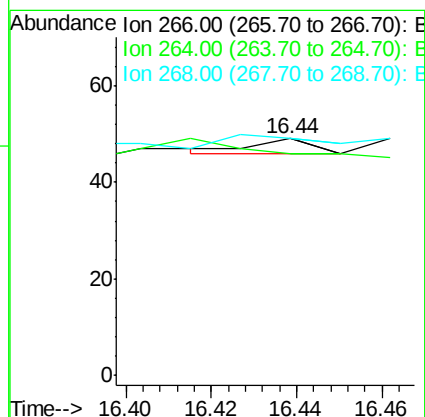
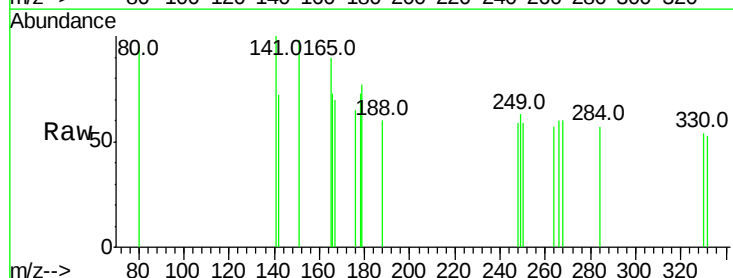
Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 7
Ion Ratio Lower Upper
284 100
142 114.3 22.1 33.1#
249 57.1 34.8 52.2#



#22
Pentachlorophenol
Concen: 0.036 ng
RT: 16.44 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BE097084.D
Acq: 24 Jul 2018 22:50

Tgt Ion:266 Resp: 3
Ion Ratio Lower Upper
266 100
264 93.9 72.5 108.7
268 100.0 73.8 110.6





#23

Phenanthrene

Concen: 0.009 ng

RT: 16.81 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

Instrument :

BNA_E

ClientSampled :

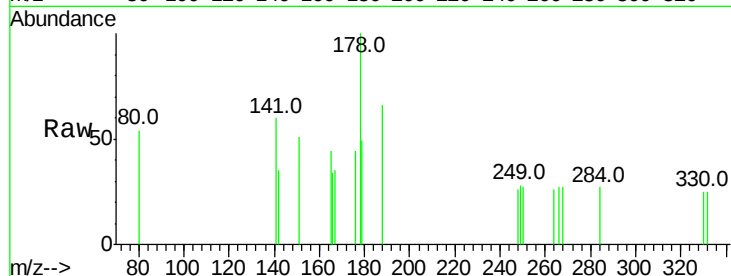
Tot Ion:178 Resp: 265

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

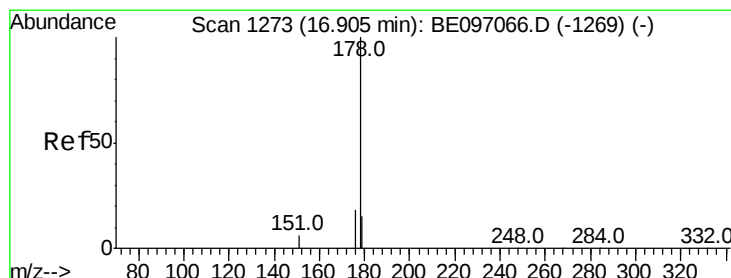
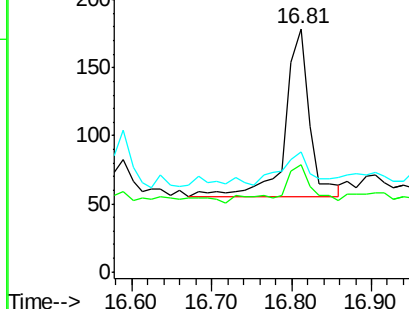
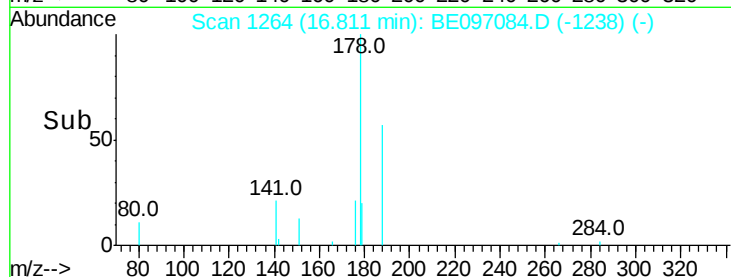
179 22.3 11.8 17.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.001 ng

RT: 16.90 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

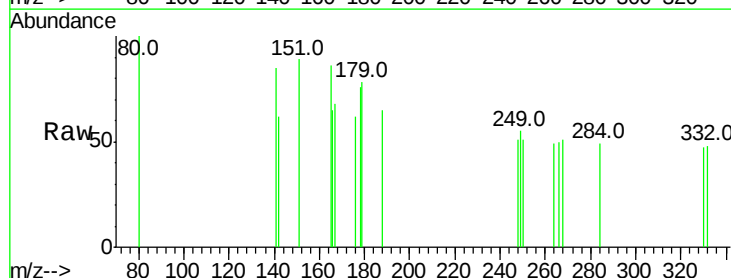
Tgt Ion:178 Resp: 18

Ion Ratio Lower Upper

178 100

176 127.8 12.8 19.2#

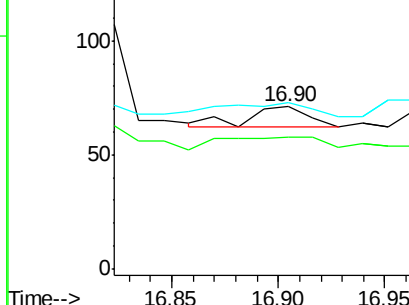
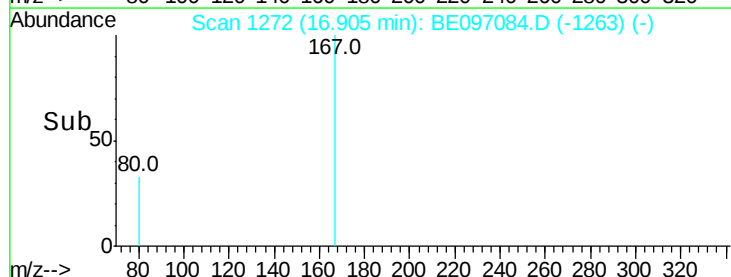
179 94.4 13.0 19.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.584 ng

RT: 18.81 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

Instrument :

BNA_E

ClientSampleId :

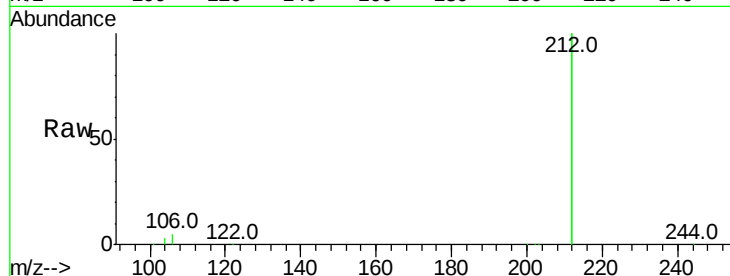
Tot Ion:212 Resp: 71822

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

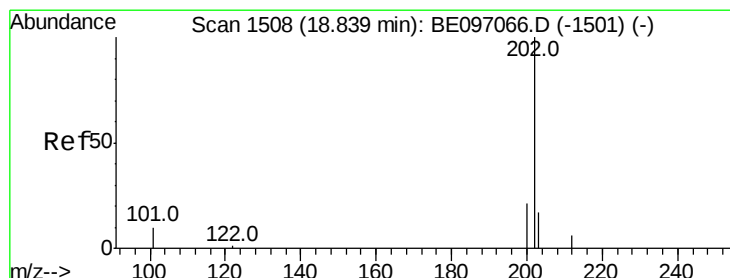
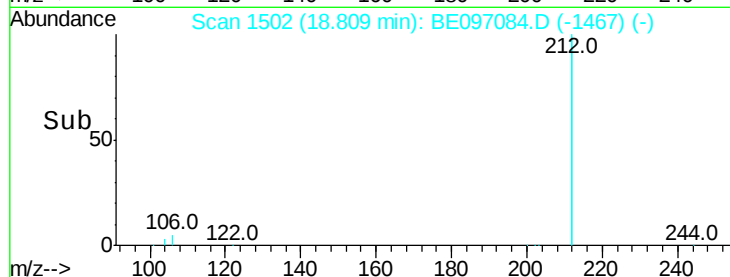
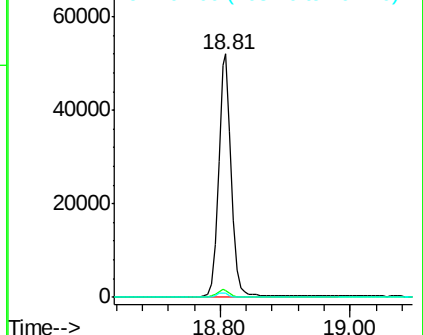
104 1.7 1.6 2.4



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: 0.003 ng

RT: 18.84 min Scan# 1507

Delta R.T. -0.00 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

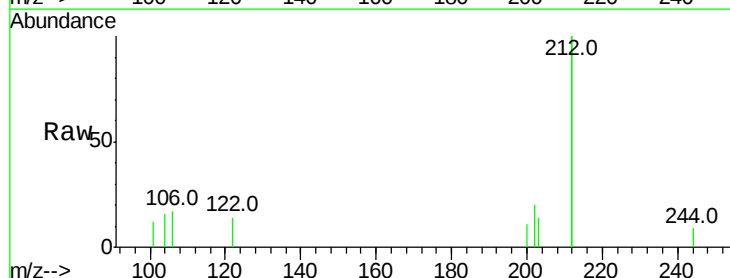
Tgt Ion:202 Resp: 108

Ion Ratio Lower Upper

202 100

101 7.4 9.8 14.8#

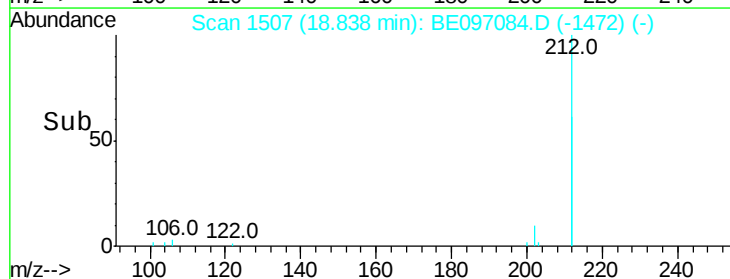
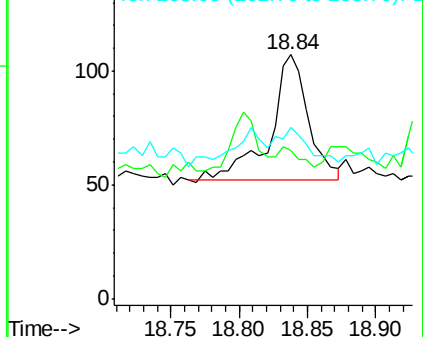
203 20.4 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

Instrument :

BNA_E

ClientSampleId :

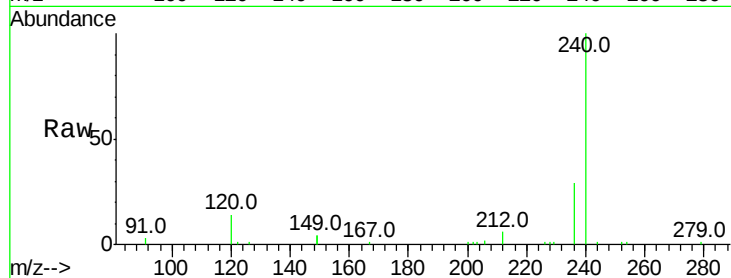
Tot Ion:240 Resp: 11542

Ion Ratio Lower Upper

240 100

120 13.9 5.5 8.3#

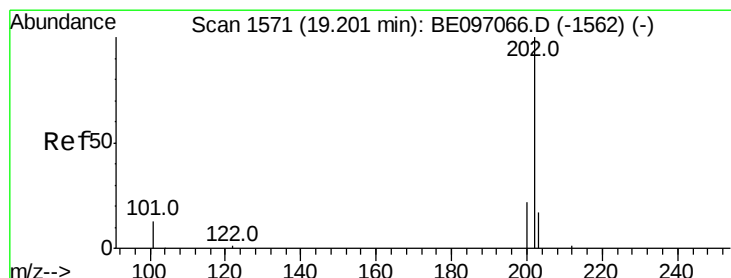
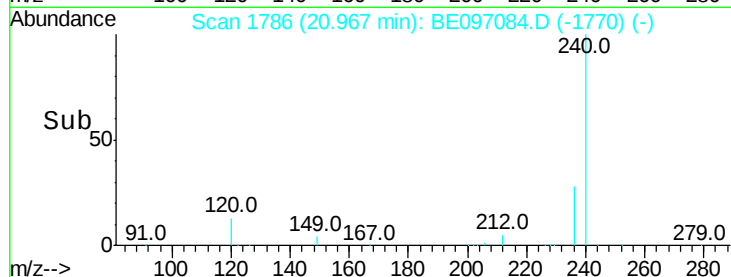
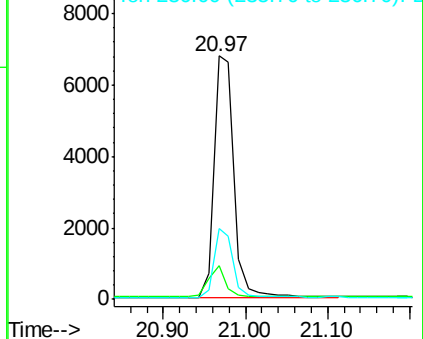
236 28.8 20.7 31.1



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: 19.20 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

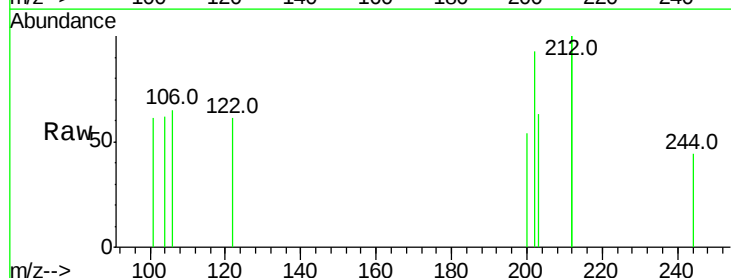
Tgt Ion:202 Resp: 91

Ion Ratio Lower Upper

202 100

200 18.7 16.6 25.0

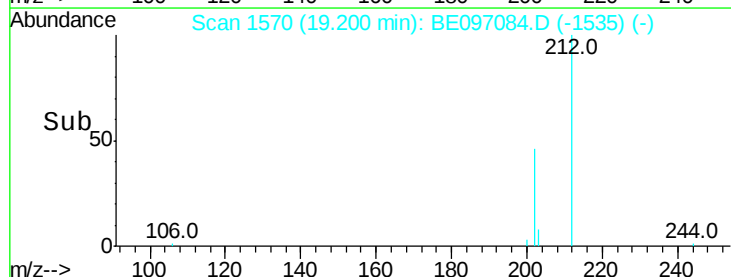
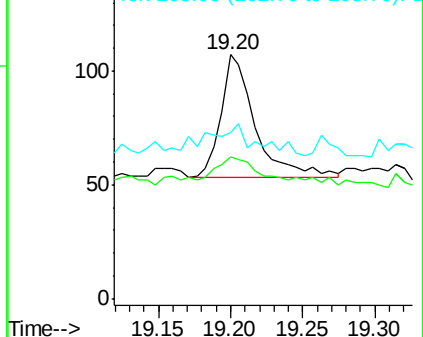
203 46.2 13.8 20.8#

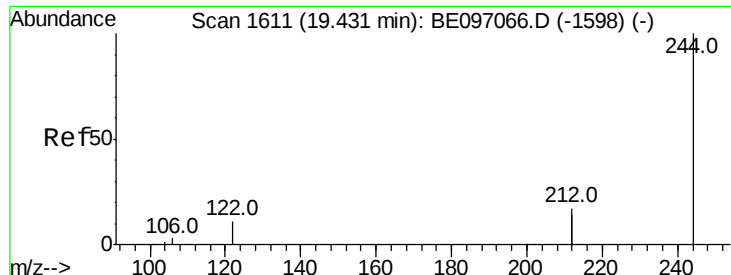


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.672 ng

RT: 19.42 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

Instrument :

BNA_E

ClientSampleId :

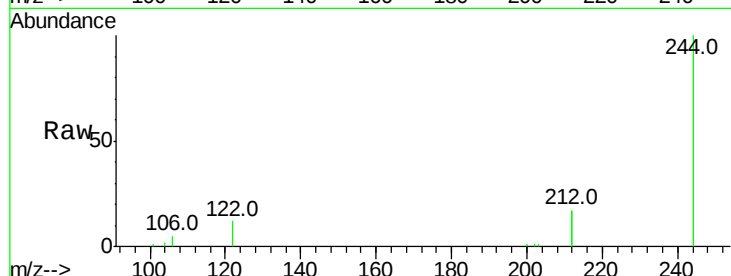
Tot Ion:244 Resp: 14898

Ion Ratio Lower Upper

244 100

212 33.5 25.4 38.0

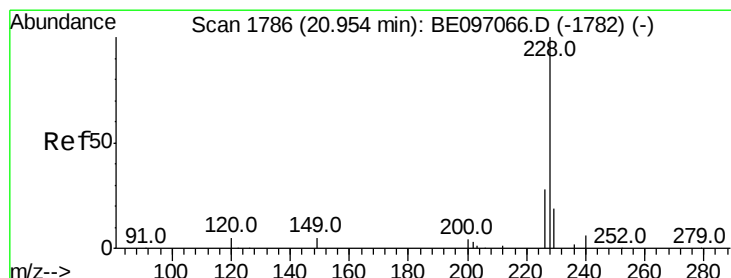
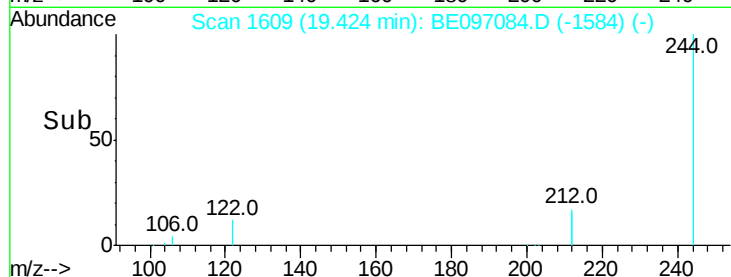
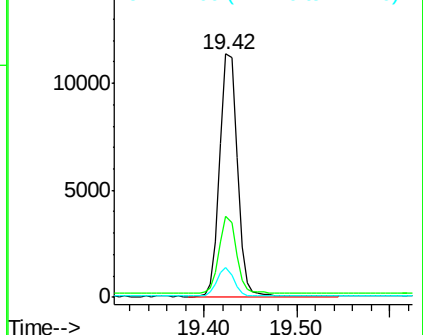
122 12.4 8.1 12.1#



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: 0.002 ng

RT: 20.97 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

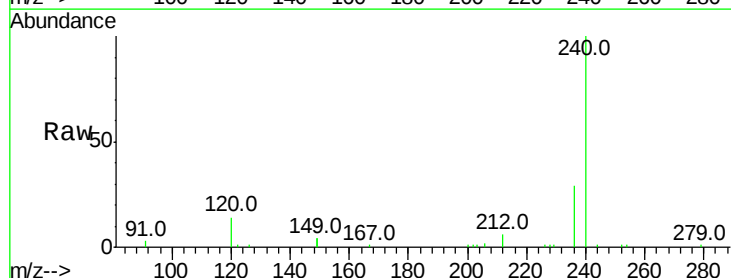
Tgt Ion:228 Resp: 68

Ion Ratio Lower Upper

228 100

226 71.6 24.0 36.0#

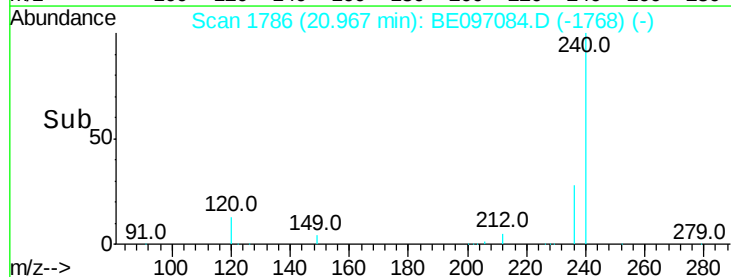
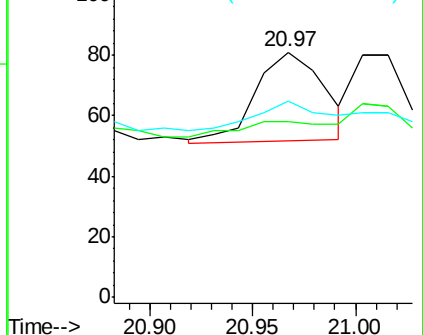
229 80.2 16.0 24.0#



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





#31

Chrysene

Concen: 0.002 ng

RT: 21.00 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

Instrument :

BNA_E

ClientSampled :

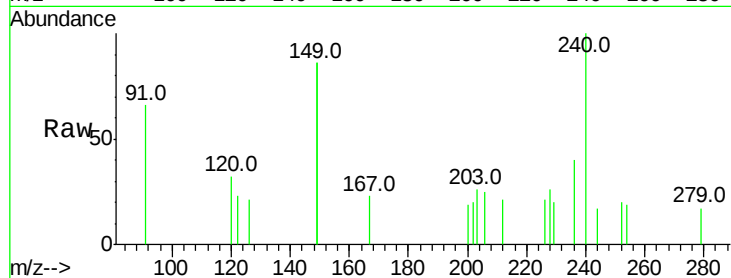
Tot Ion:228 Resp: 54

Ion Ratio Lower Upper

228 100

226 80.0 24.0 36.0#

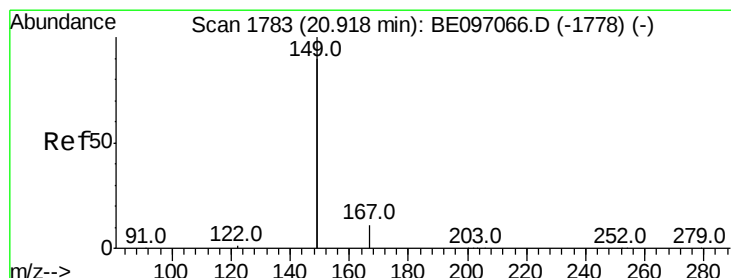
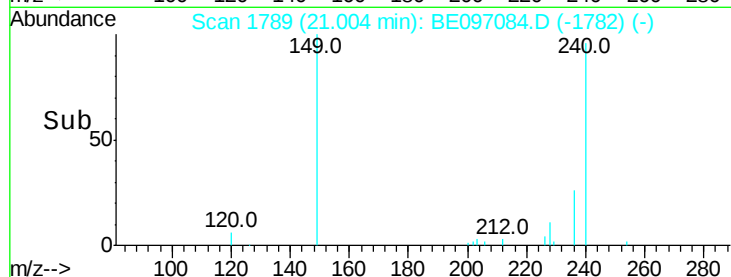
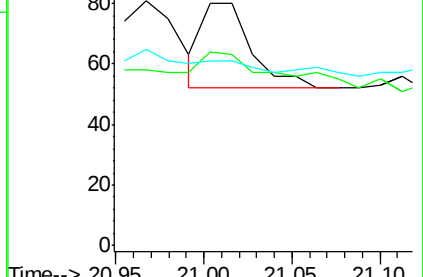
229 76.3 16.0 24.0#



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: 0.123 ng

RT: 20.92 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

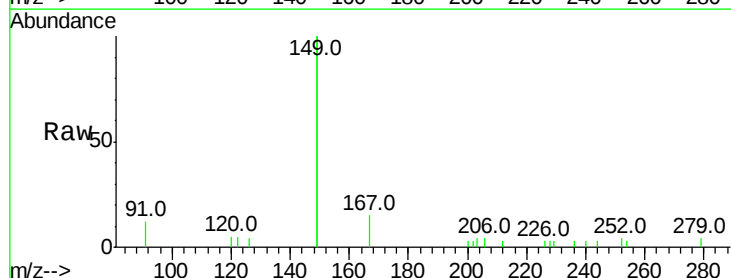
Tgt Ion:149 Resp: 3821

Ion Ratio Lower Upper

149 100

167 6.3 5.4 8.0

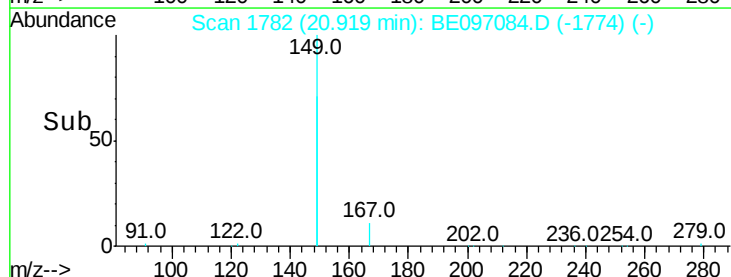
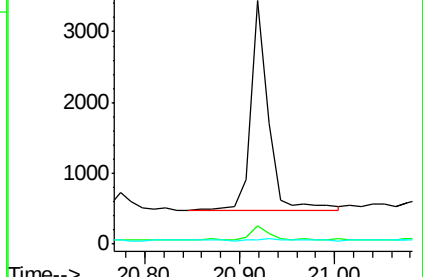
279 1.0 0.7 1.1

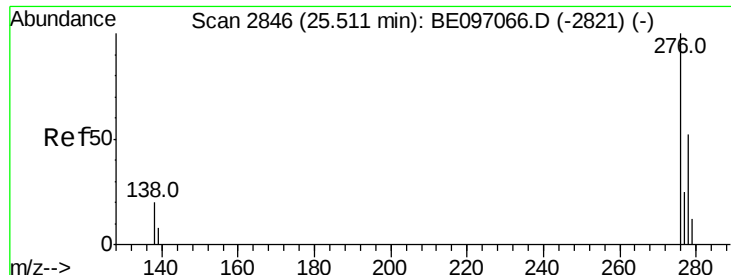


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

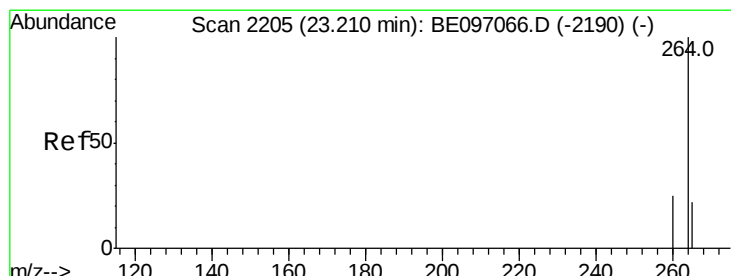
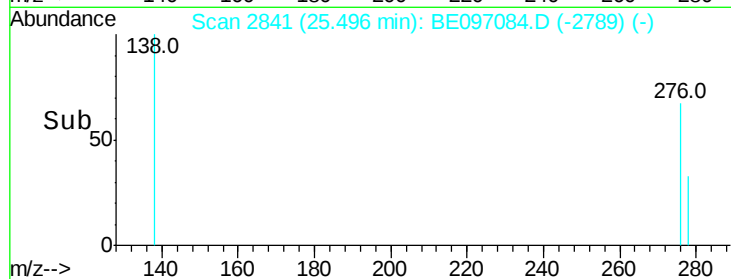
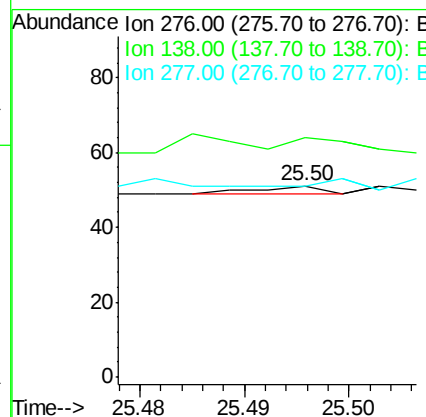
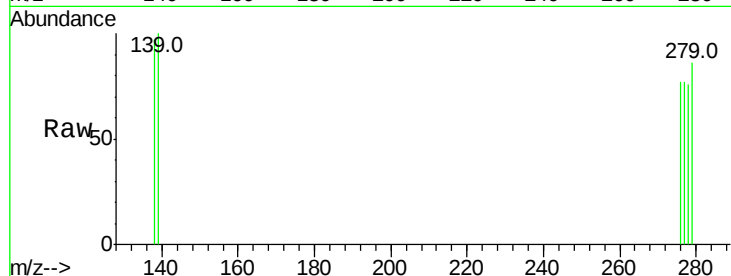




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.000 ng
 RT: 25.50 min Scan# 2841
 Delta R.T. -0.02 min
 Lab File: BE097084.D
 Acq: 24 Jul 2018 22:50

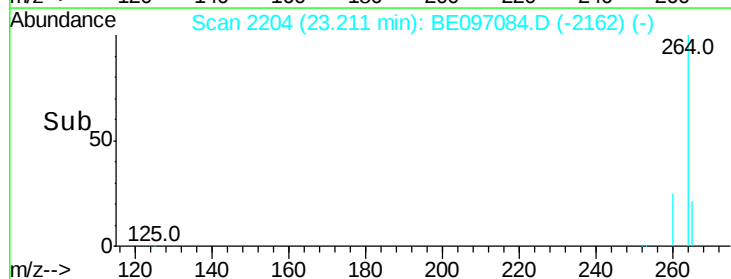
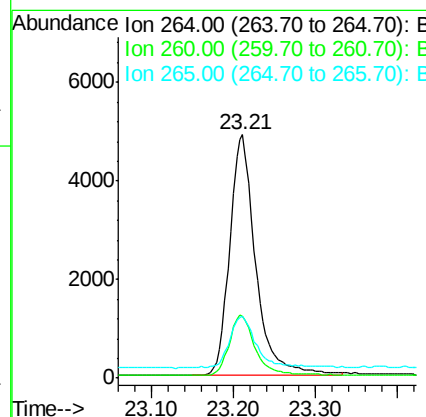
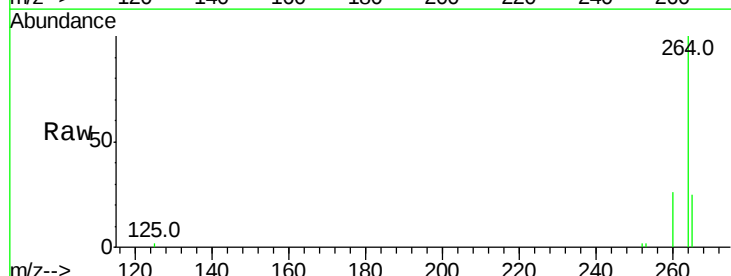
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 1
 Ion Ratio Lower Upper
 276 100
 138 0.0 22.5 33.7#
 277 100.0 19.9 29.9#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: BE097084.D
 Acq: 24 Jul 2018 22:50

Tgt Ion:264 Resp: 10770
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.5 30.7
 265 25.2 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.002 ng

RT: 22.54 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

Instrument :

BNA_E

ClientSampleId :

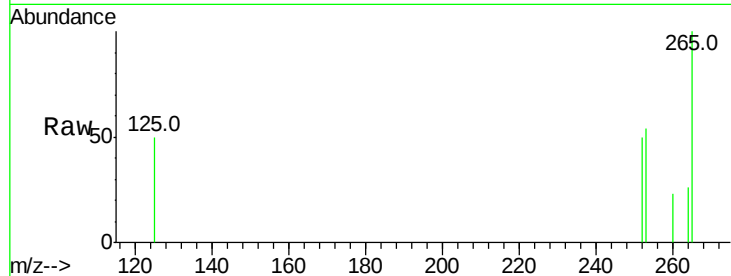
Tot Ion:252 Resp: 63

Ion Ratio Lower Upper

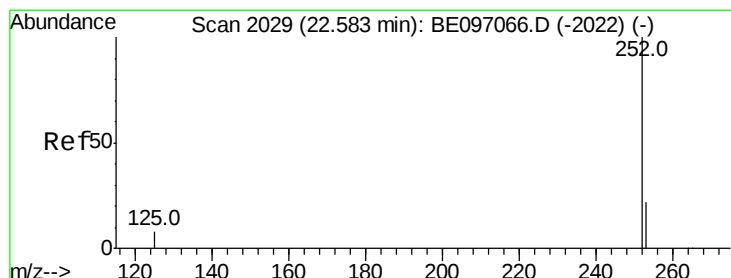
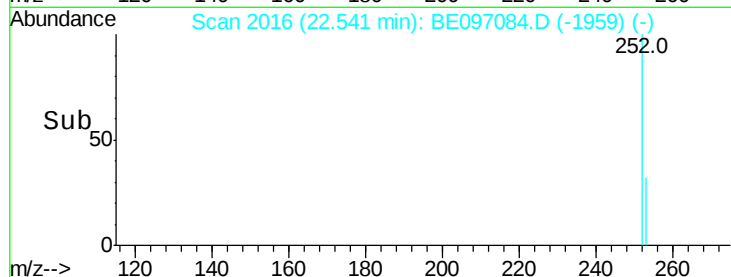
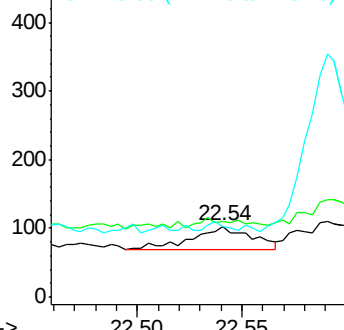
252 100

253 107.8 20.0 30.0#

125 100.0 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: 22.59 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

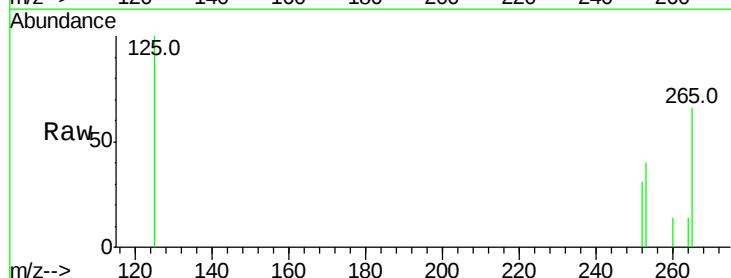
Tgt Ion:252 Resp: 58

Ion Ratio Lower Upper

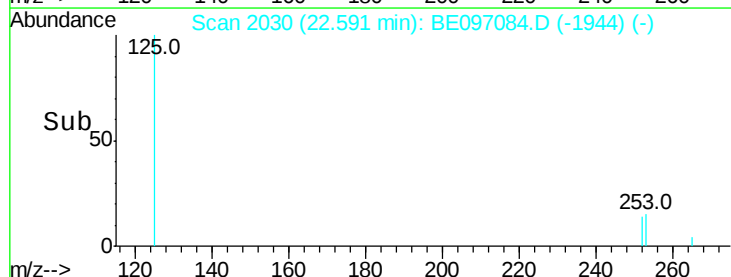
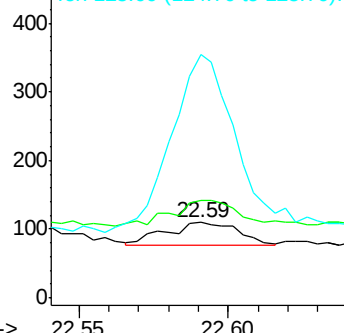
252 100

253 129.1 16.0 24.0#

125 321.8 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# 2175

Delta R.T. -0.00 min

Lab File: BE097084.D

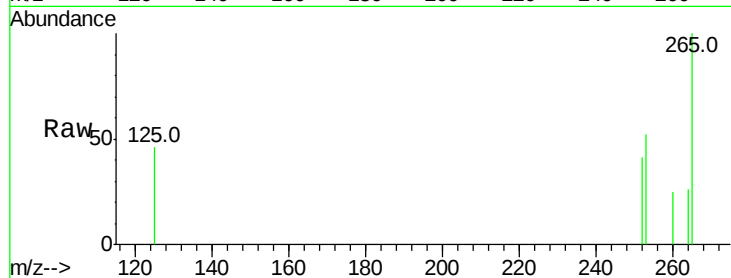
Acq: 24 Jul 2018 22:50

Instrument :

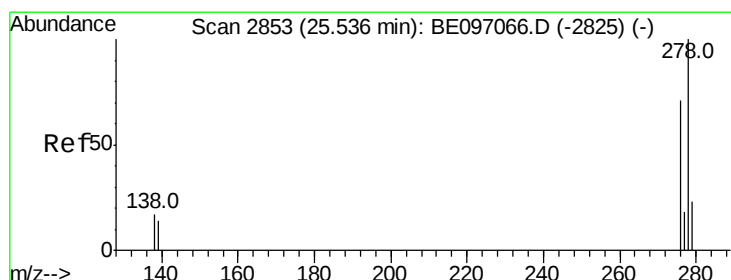
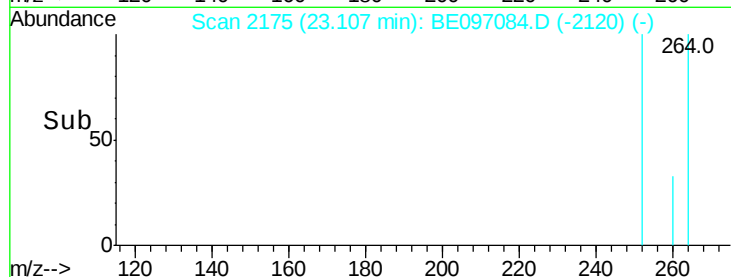
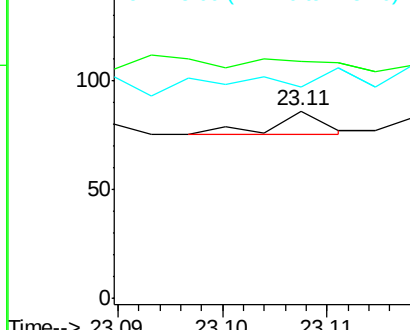
BNA_E

ClientSampleId :

Tot Ion:	252	Resp:	4
Ion	Ratio	Lower	Upper
252	100		
253	126.7	16.0	24.0#
125	112.8	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: 0.000 ng

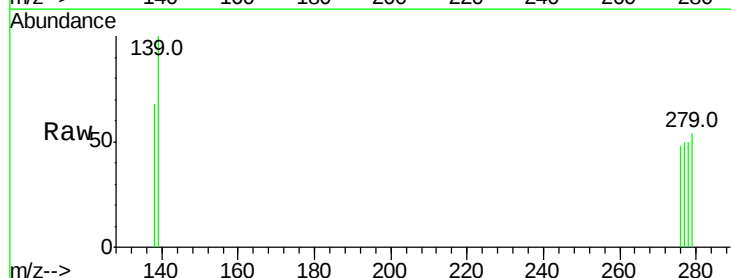
RT: 25.54 min Scan# 2852

Delta R.T. -0.00 min

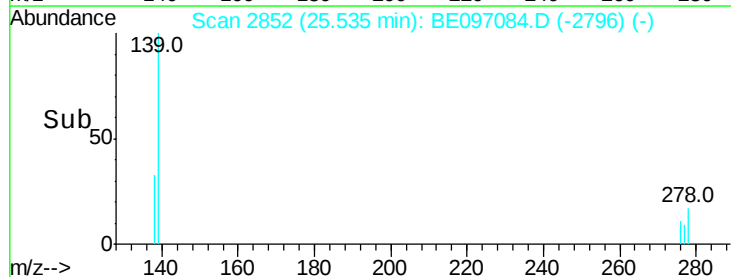
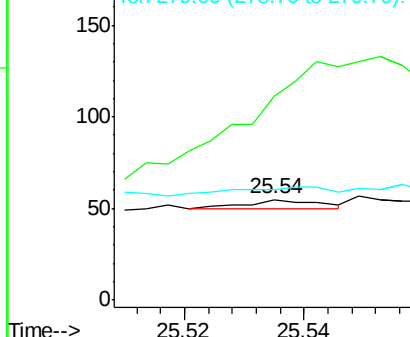
Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

Tgt Ion:	278	Resp:	4
Ion	Ratio	Lower	Upper
278	100		
139	201.8	16.0	24.0#
279	109.1	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: 0.000 ng

RT: 26.20 min Scan# 3038

Delta R.T. -0.00 min

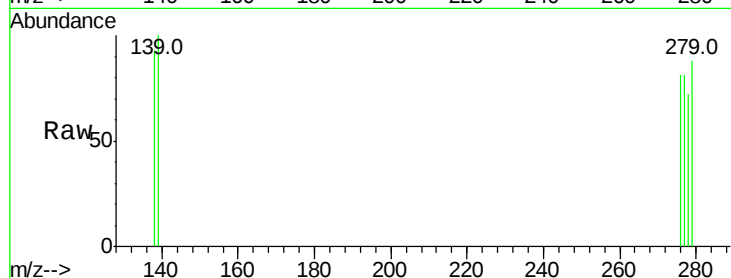
Lab File: BE097084.D

Acq: 24 Jul 2018 22:50

Instrument :

BNA_E

ClientSampleId :



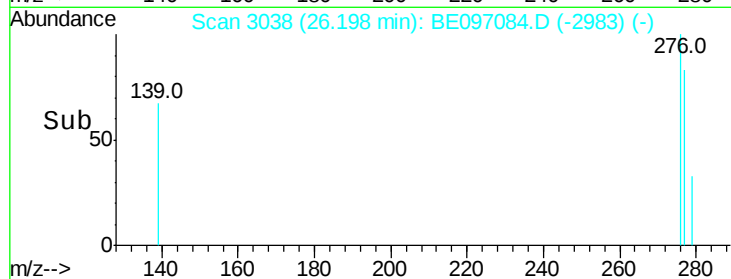
Tot Ion: 276 Resp: 6

Ion Ratio Lower Upper

276 100

277 100.0 16.0 24.0#

138 114.8 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

