

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071618\
 Data File : BE096944.D
 Acq On : 16 Jul 2018 18:48
 Operator : SJ/JU
 Sample : J3170-13DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE120D1-071118DL

Quant Time: Jul 17 16:42:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 15:02:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	2038	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	11050	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	5937	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	14794	0.40	ng	0.00
27) Chrysene-d12	20.98	240	10477	0.40	ng	0.00
34) Perylene-d12	23.21	264	10162	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	209	0.04	ng	0.00
5) Phenol-d6	6.60	99	183	0.02	ng	0.00
8) Nitrobenzene-d5	8.53	82	766	0.10	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	1532	0.10	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	118	0.13	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	2341	0.11	ng	0.00
25) Fluoranthene-d10	18.81	212	12528	0.10	ng	0.00
29) Terphenyl-d14	19.43	244	4316	0.21	ng	0.00

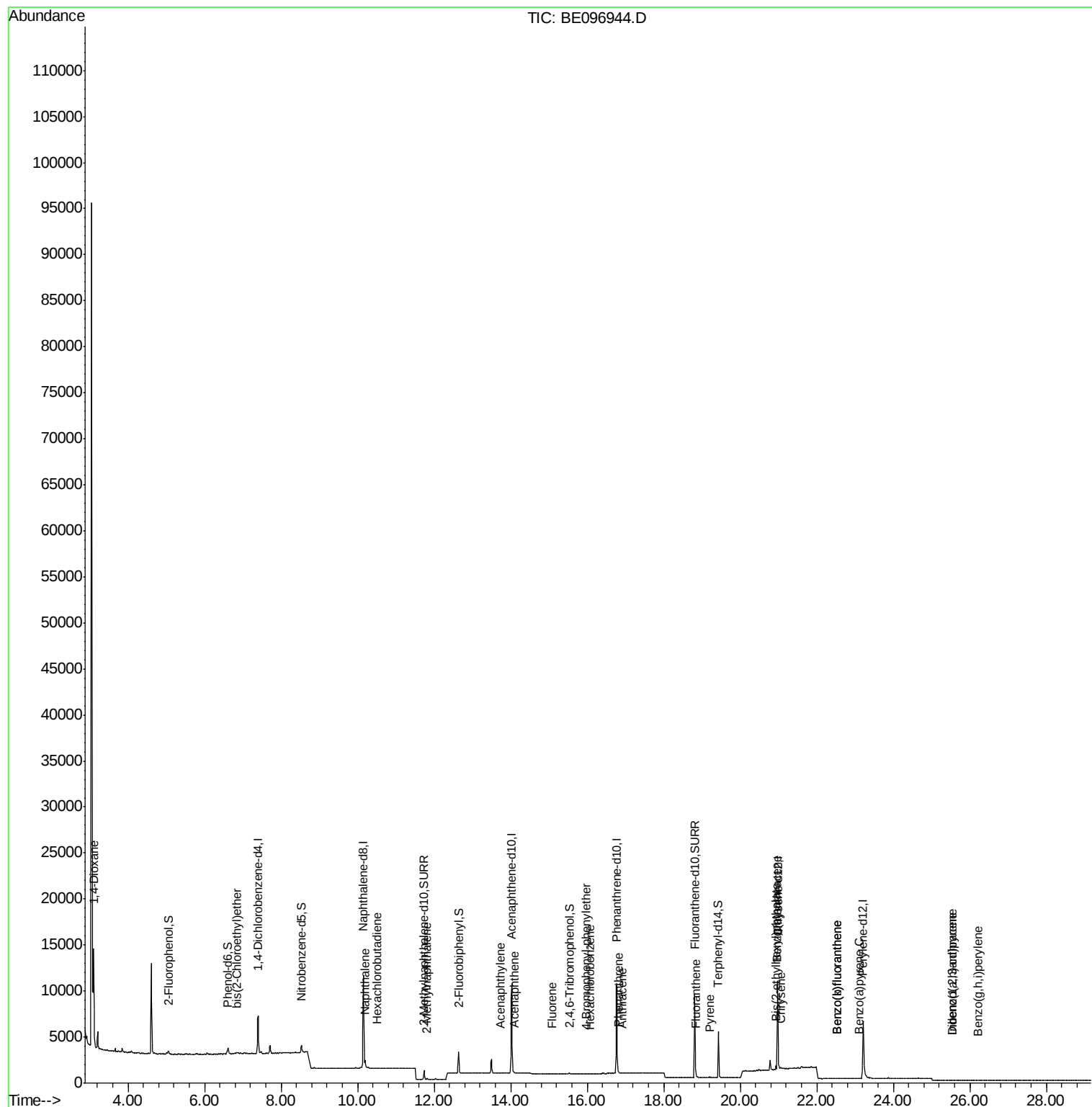
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	4848	1.662	ng	# 88
6) bis(2-Chloroethyl)ether	6.84	93	95	0.013	ng	# 34
9) Naphthalene	10.20	128	1389	0.014	ng	# 86
10) Hexachlorobutadiene	10.51	225	2	0.001	ng	# 1
12) 2-Methylnaphthalene	11.81	142	116	0.007	ng	# 80
16) Acenaphthylene	13.74	152	24	0.001	ng	# 65
17) Acenaphthene	14.08	154	16	0.001	ng	# 33
18) Fluorene	15.07	166	45	0.002	ng	# 78
20) 4-Bromophenyl-phenylether	15.97	248	10	0.001	ng	# 60
21) Hexachlorobenzene	16.07	284	8	0.001	ng	# 51
22) Pentachlorophenol	16.44	266	16	Below Cal		95
23) Phenanthrene	16.81	178	148	0.004	ng	# 89
24) Anthracene	16.90	178	17	0.001	ng	# 24
26) Fluoranthene	18.84	202	44	0.001	ng	# 91
28) Pyrene	19.21	202	56	0.002	ng	# 68
30) Benzo(a)anthracene	20.97	228	94	0.004	ng	# 15
31) Chrysene	21.06	228	5	0.000	ng	# 1
32) Bis(2-ethylhexyl)phthalate	20.93	149	530	0.021	ng	# 83
33) Indeno(1,2,3-cd)pyrene	25.52	276	4	0.000	ng	# 1
35) Benzo(b)fluoranthene	22.55	252	38	0.001	ng	# 1
36) Benzo(k)fluoranthene	22.55	252	38	0.001	ng	# 1
37) Benzo(a)pyrene	23.12	252	21	0.102	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	10	0.118	ng	# 1
39) Benzo(g,h,i)perylene	26.21	276	20	0.001	ng	# 1

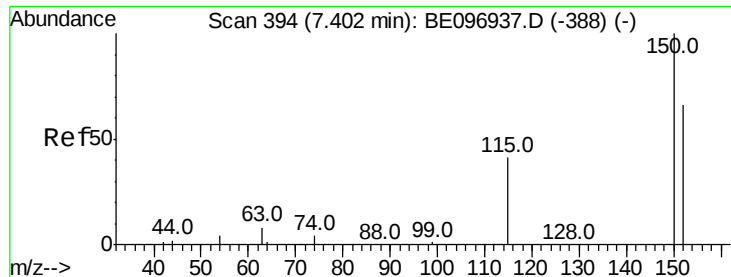
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 394

Delta R.T. -0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

Instrument :

BNA_E

ClientSampleId :

RE120D1-071118DL

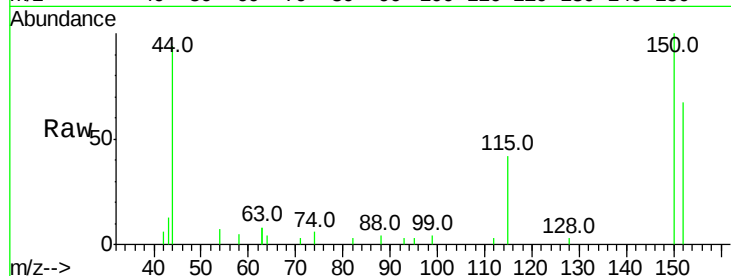
Tot Ion:152 Resp: 2038

Ion Ratio Lower Upper

152 100

150 149.8 117.2 175.8

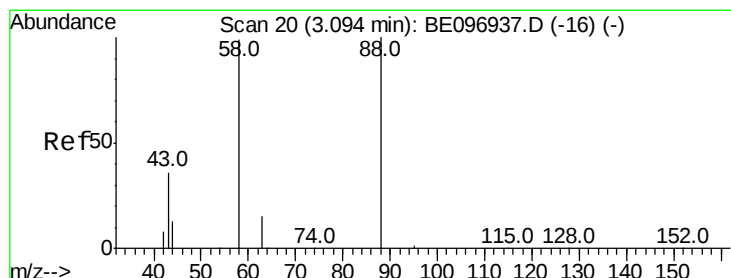
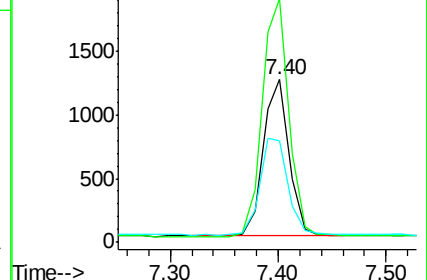
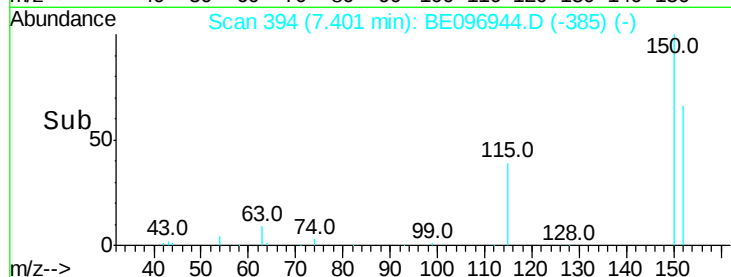
115 62.2 57.0 85.6



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: 1.662 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

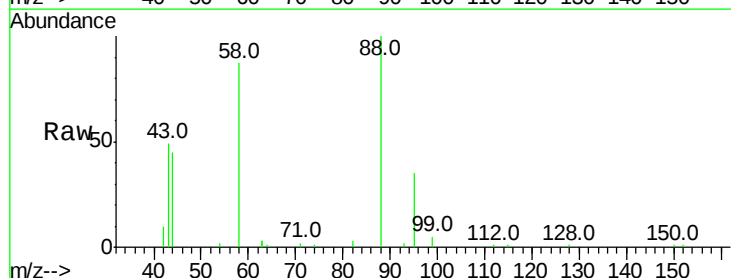
Tgt Ion: 88 Resp: 4848

Ion Ratio Lower Upper

88 100

58 82.6 63.2 94.8

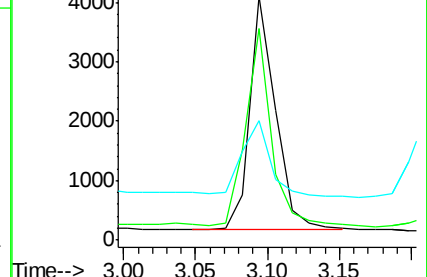
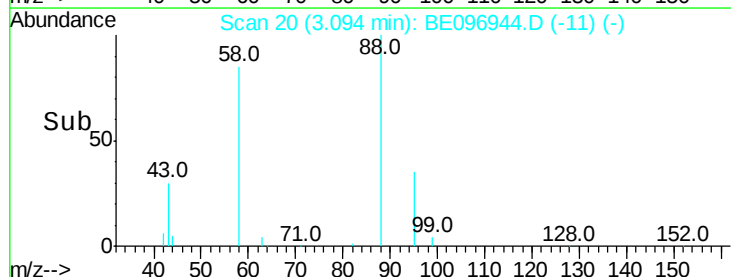
43 35.5 41.2 61.8#



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: 0.043 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

Instrument :

BNA_E

ClientSampleId :

RE120D1-071118DL

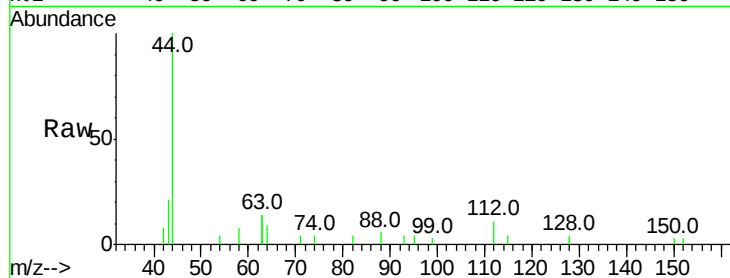
Tot Ion: 112 Resp: 209

Ion Ratio Lower Upper

112 100

64 66.5 60.1 90.1

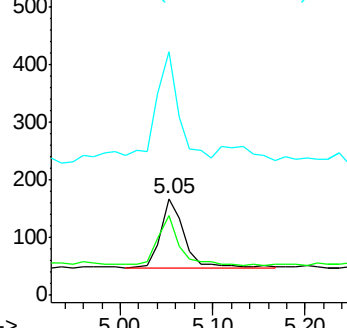
63 183.7 116.8 175.2#



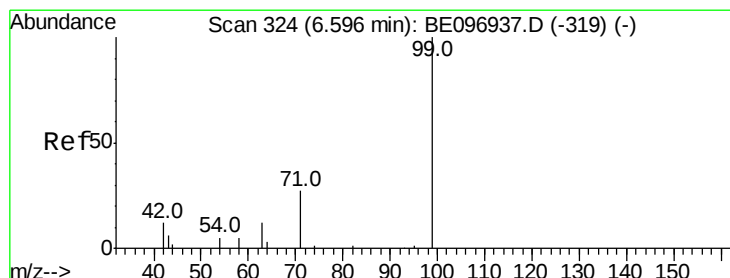
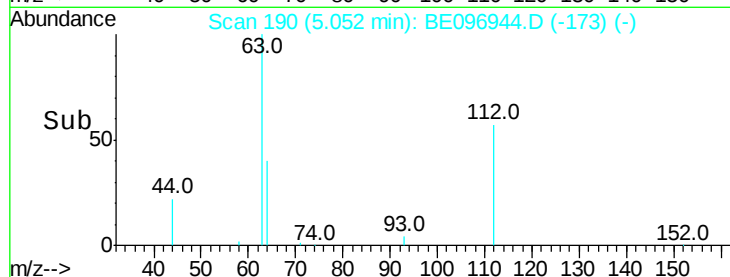
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->



#5

Phenol-d6

Concen: 0.025 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

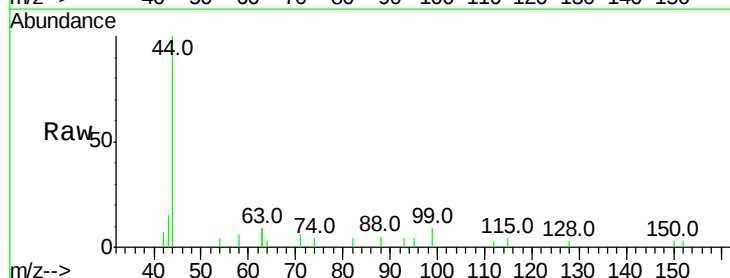
Tgt Ion: 99 Resp: 183

Ion Ratio Lower Upper

99 100

42 43.2 20.2 30.2#

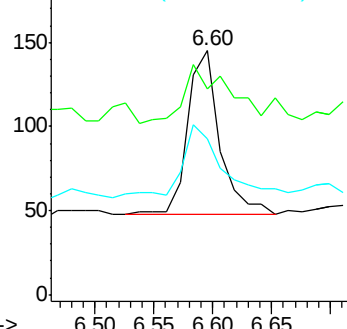
71 53.0 28.4 42.6#



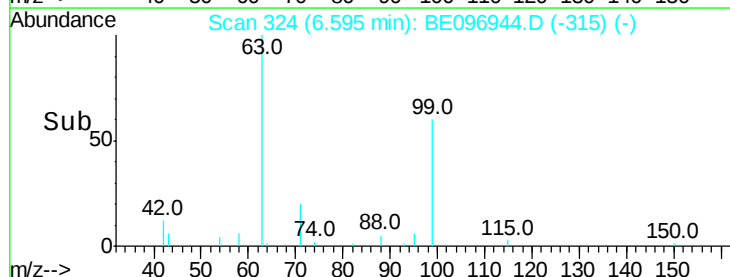
Abundance Ion 99.00 (98.70 to 99.70): BE0

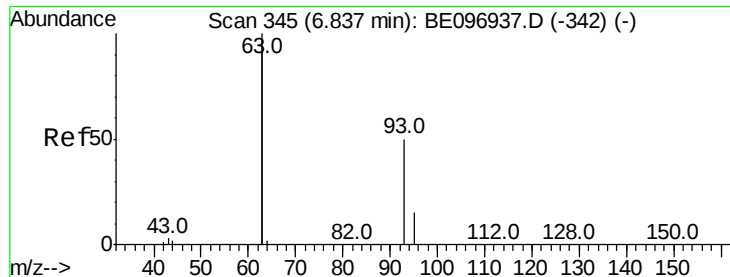
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->





#6

bis(2-Chloroethyl)ether

Concen: 0.013 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

Instrument :

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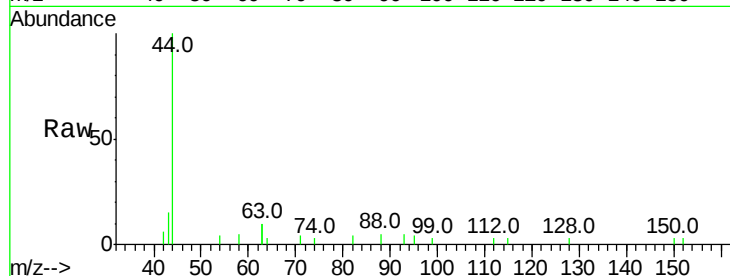
Tot Ion: 93 Resp: 95

Ion Ratio Lower Upper

93 100

63 189.5 275.3 412.9#

95 29.5 25.2 37.8

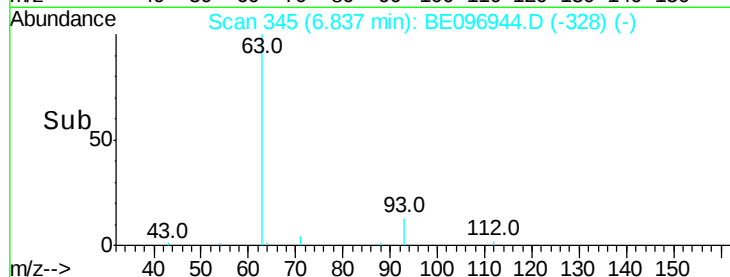


Abundance Ion 93.00 (92.70 to 93.70): BE0

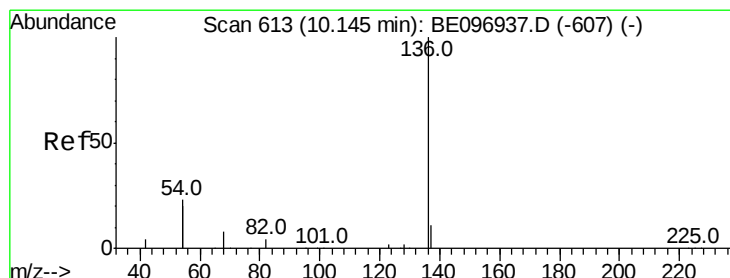
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

Time-->



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

Tgt Ion: 136 Resp: 11050

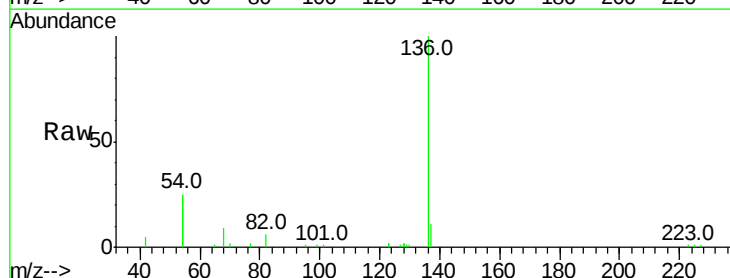
Ion Ratio Lower Upper

136 100

137 11.2 9.5 14.3

54 50.0 29.1 43.7#

68 9.4 6.2 9.2#



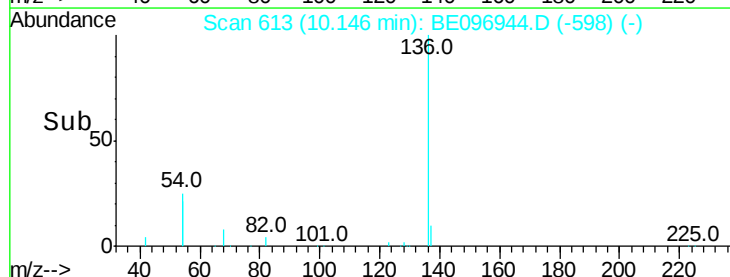
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

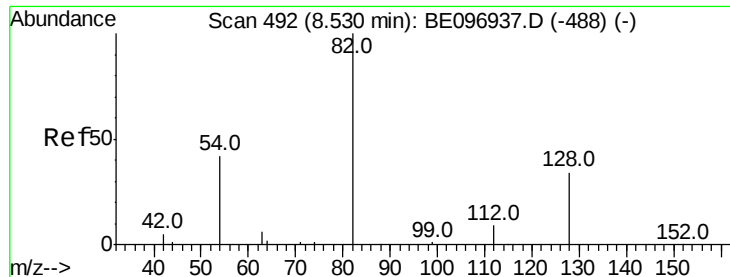
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



Time-->



#8

Nitrobenzene-d5

Concen: 0.095 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

Instrument :

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ClientSampleId :

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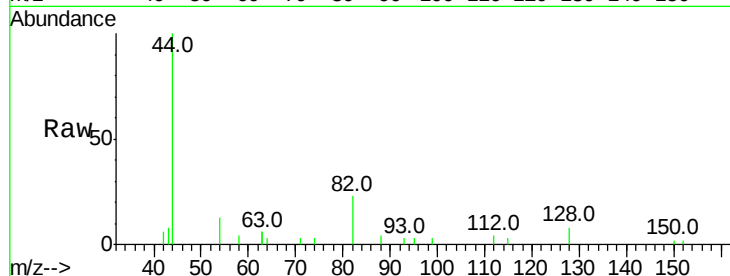
Tot Ion: 82 Resp: 766

Ion Ratio Lower Upper

82 100

128 37.1 24.0 36.0#

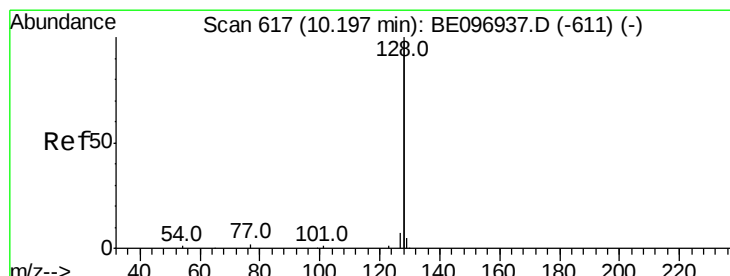
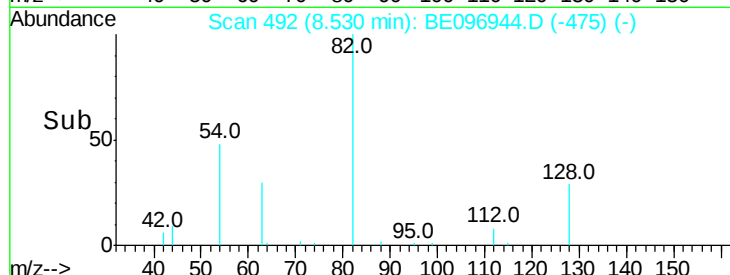
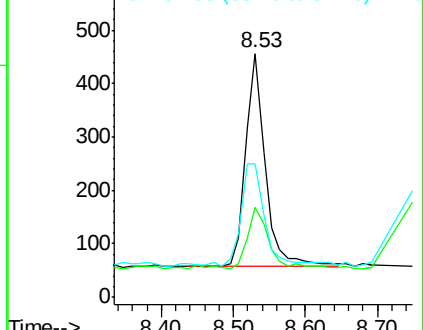
54 54.8 40.0 60.0



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: 0.014 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

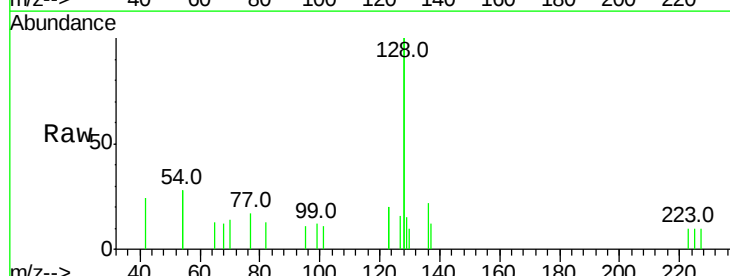
Tgt Ion:128 Resp: 1389

Ion Ratio Lower Upper

128 100

129 7.6 2.6 3.8#

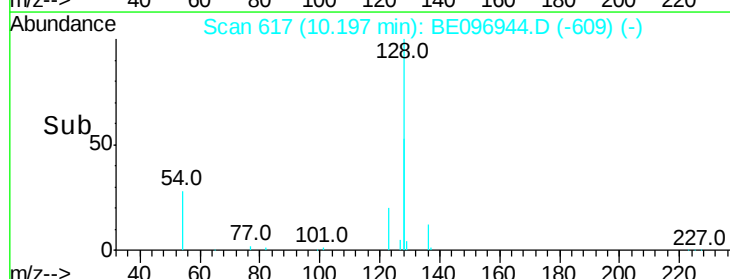
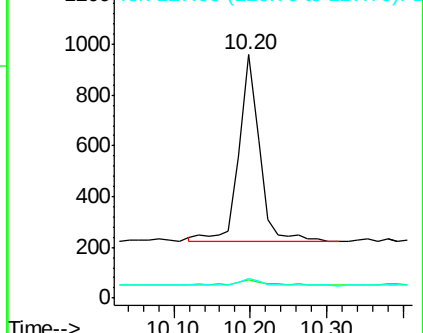
127 8.0 2.8 4.2#

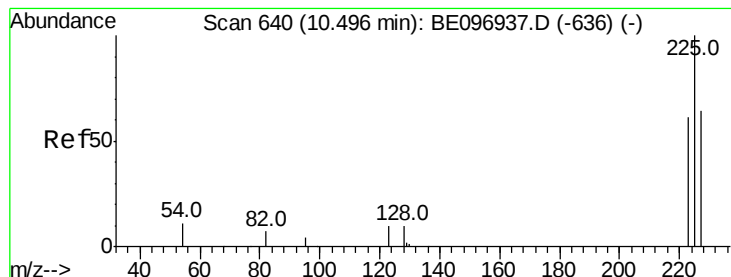


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#10

Hexachlorobutadiene

Concen: 0.001 ng

RT: 10.51 min Scan# 641

Delta R.T. 0.01 min

Lab File: BE096944.D

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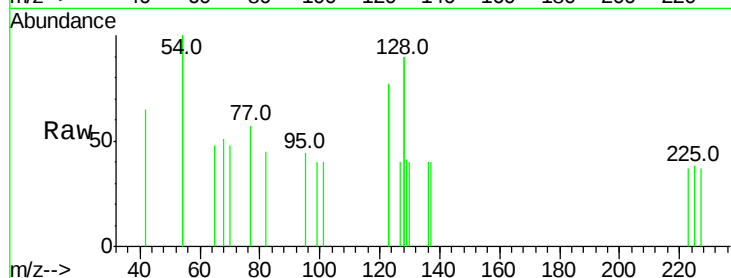
Tot Ion: 225 Resp: 2

Ion Ratio Lower Upper

225 100

223 300.0 53.0 79.6#

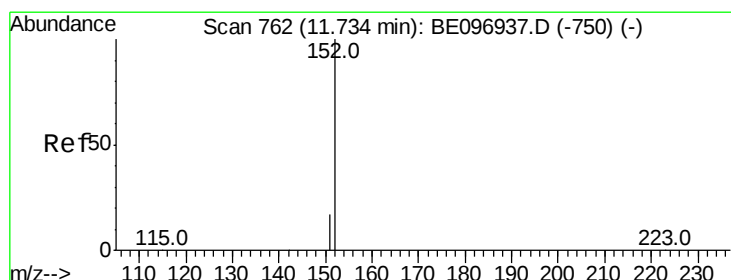
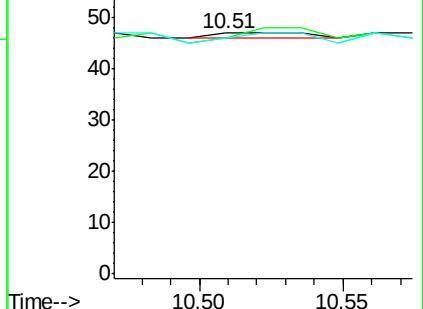
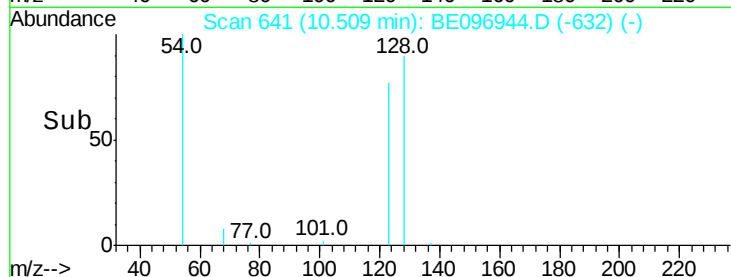
227 200.0 51.4 77.2#



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: 0.095 ng

RT: 11.73 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE096944.D

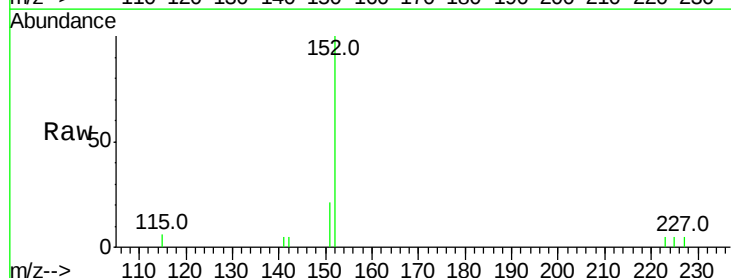
Acq: 16 Jul 2018 18:48

Tgt Ion: 152 Resp: 1532

Ion Ratio Lower Upper

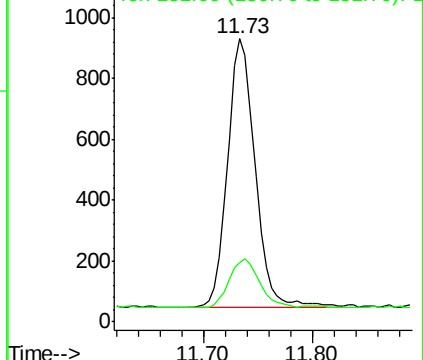
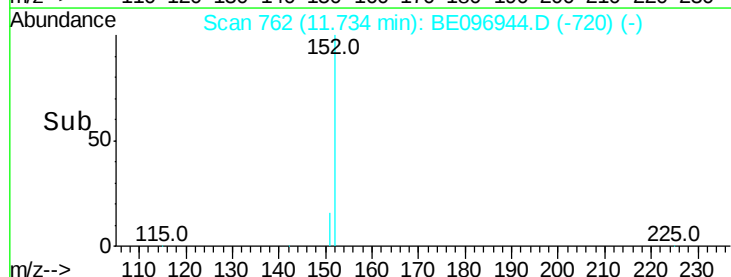
152 100

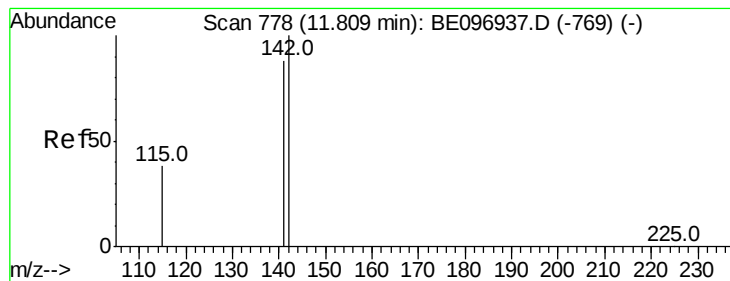
151 19.6 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.007 ng

RT: 11.81 min Scan# 779

Delta R.T. 0.00 min

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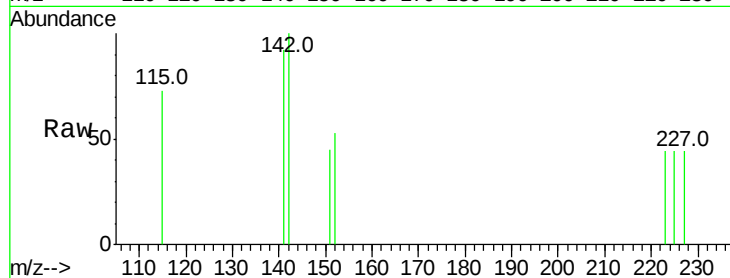
Tot Ion:142 Resp: 116

Ion Ratio Lower Upper

142 100

141 91.7 70.4 105.6

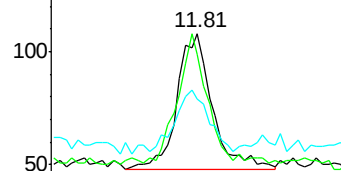
115 73.1 31.7 47.5#



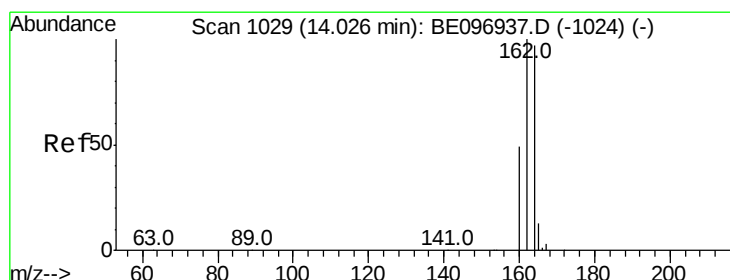
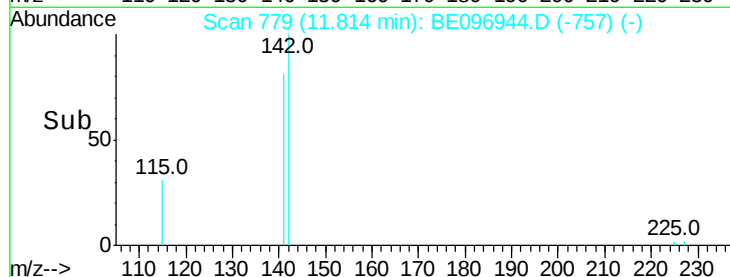
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time--> 11.70 11.80 11.90



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

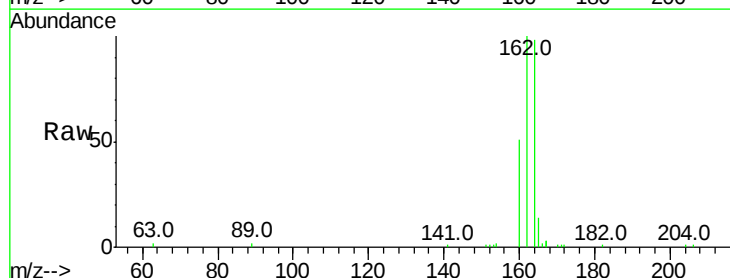
Tgt Ion:164 Resp: 5937

Ion Ratio Lower Upper

164 100

162 102.2 83.1 124.7

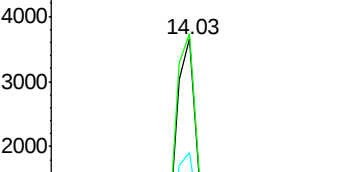
160 52.2 37.1 55.7



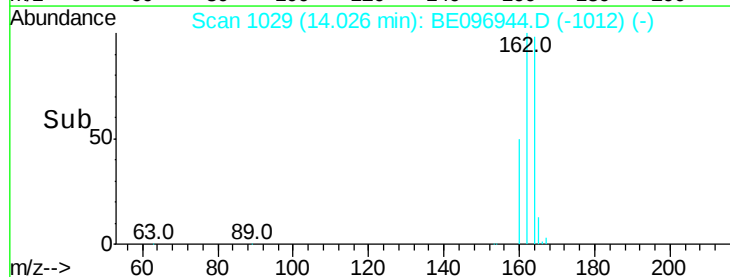
Abundance Ion 164.00 (163.70 to 164.70): E

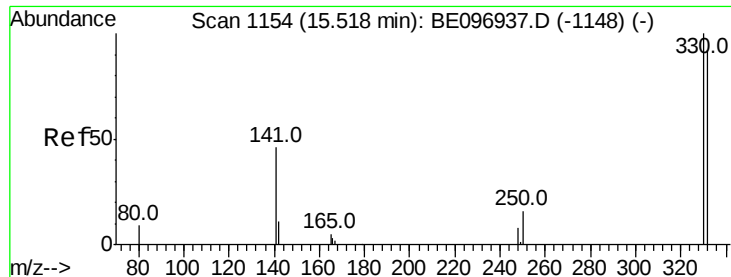
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time--> 13.90 14.00 14.10

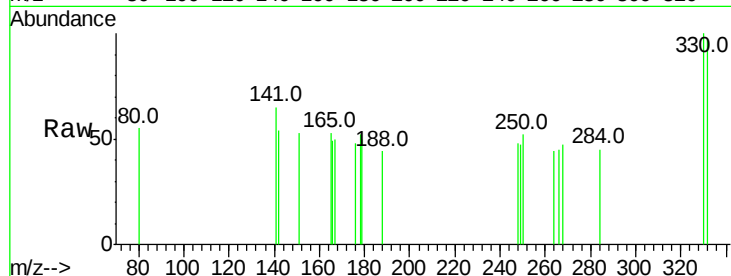




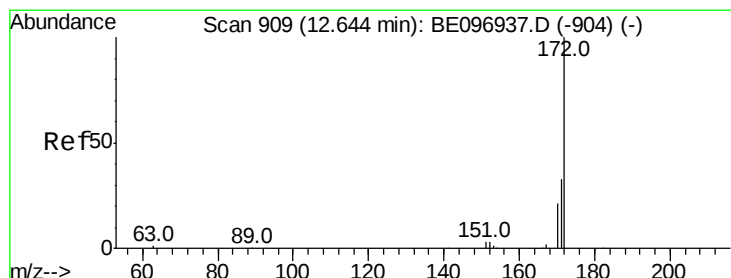
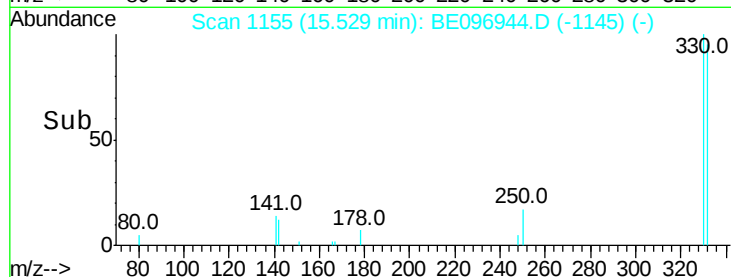
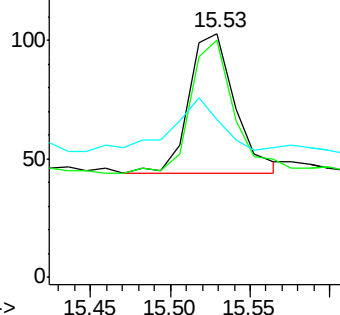
#14
 2,4,6-Tribromophenol
 Concen: 0.133 ng
 RT: 15.53 min Scan# 1155
 Delta R.T. 0.01 min
 Lab File: BE096944.D
 Acq: 16 Jul 2018 18:48

Instrument :
 BNA_E
 ClientSampleId :
 RE120D1-071118DL

Tot Ion:330 Resp: 118
 Ion Ratio Lower Upper
 330 100
 332 90.7 152.7 229.1#
 141 43.2 33.7 50.5

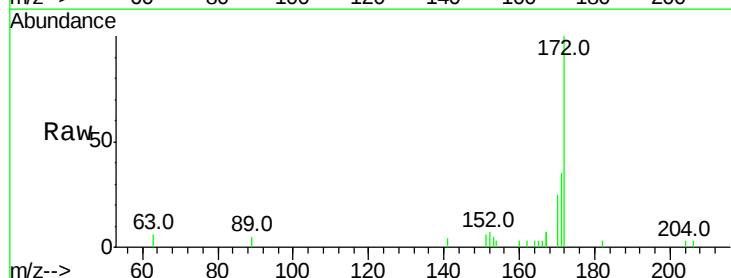


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

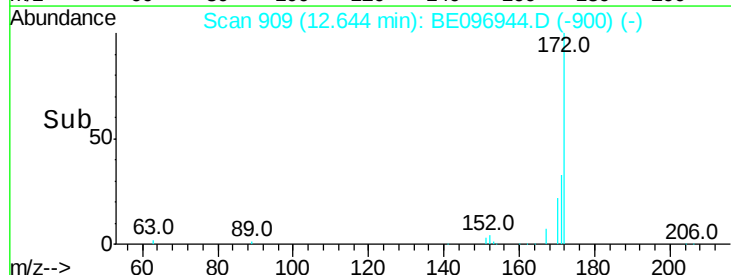
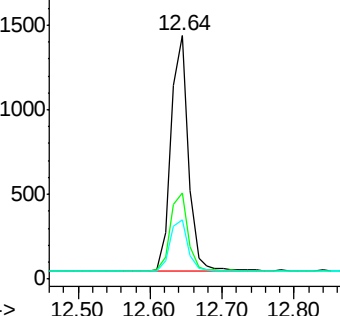


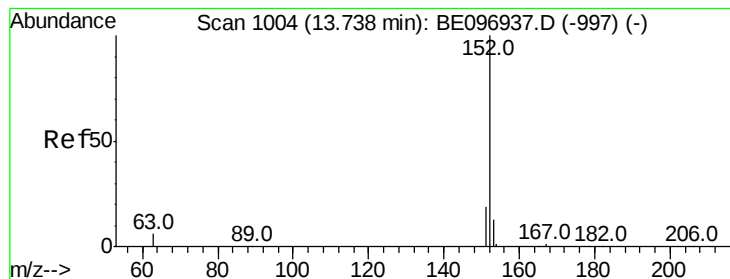
#15
 2-Fluorobiphenyl
 Concen: 0.106 ng
 RT: 12.64 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: BE096944.D
 Acq: 16 Jul 2018 18:48

Tgt Ion:172 Resp: 2341
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.9 44.9
 170 24.6 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: 0.001 ng

RT: 13.74 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

Instrument :

BNA_E

ClientSampleId :

RE120D1-071118DL

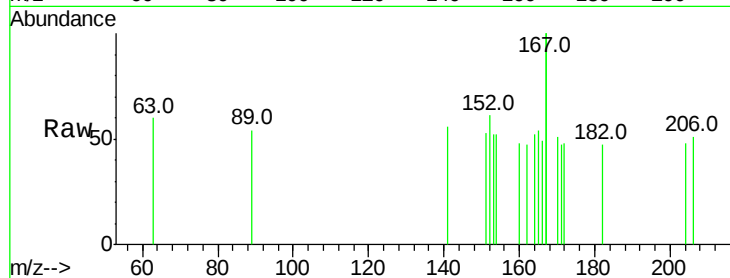
Tot Ion:152 Resp: 24

Ion Ratio Lower Upper

152 100

151 37.5 15.7 23.5#

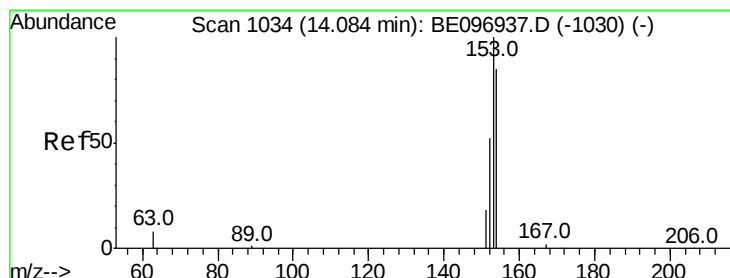
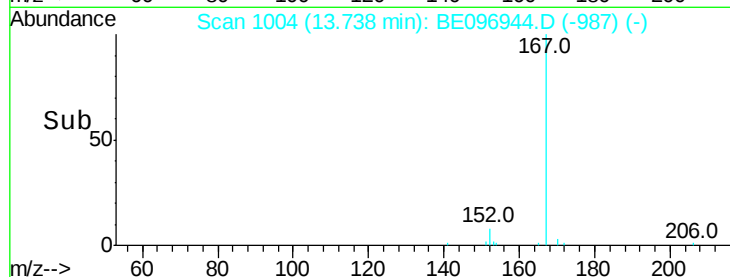
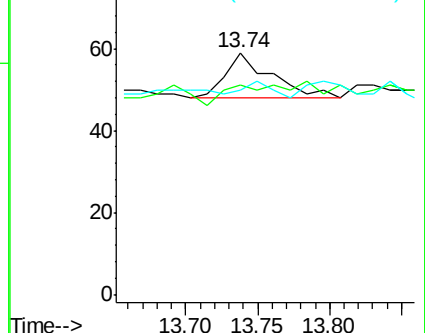
153 25.0 10.5 15.7#



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: 14.08 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

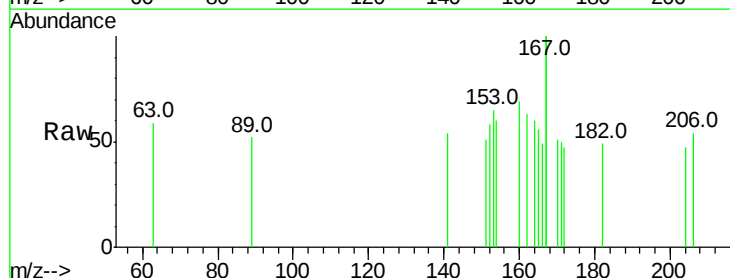
Tgt Ion:154 Resp: 16

Ion Ratio Lower Upper

154 100

153 187.5 89.2 133.8#

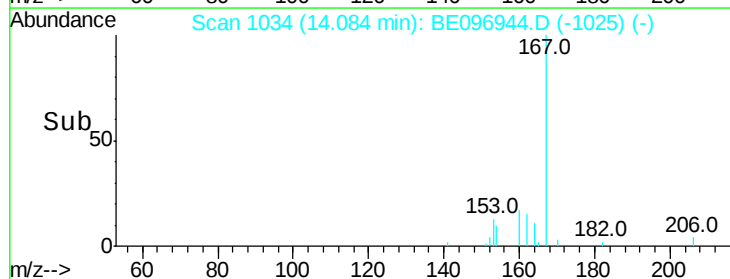
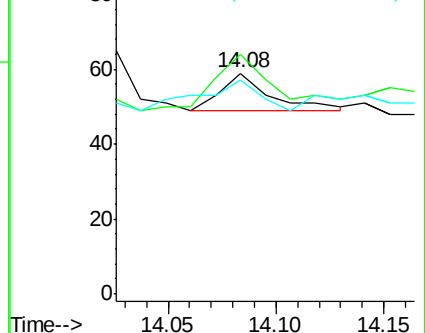
152 93.8 42.0 63.0#

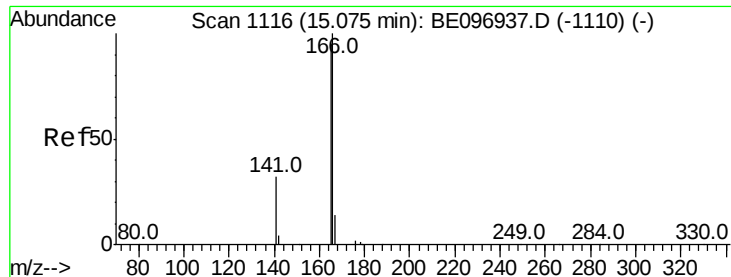


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.002 ng

RT: 15.07 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

Instrument :

BNA_E

ClientSampleId :

RE120D1-071118DL

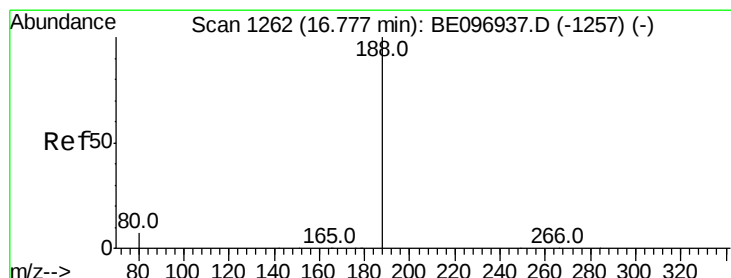
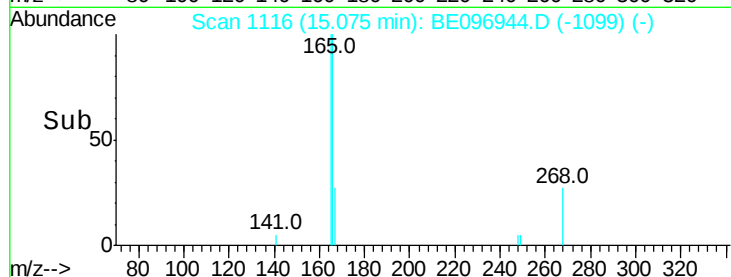
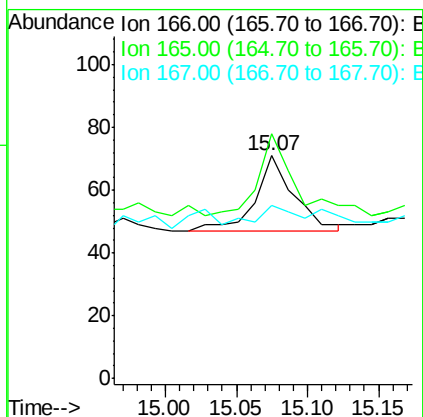
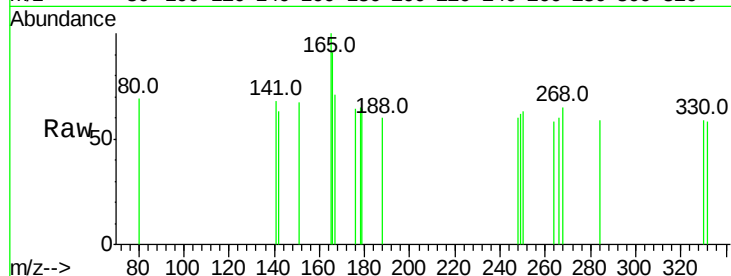
Tot Ion:166 Resp: 45

Ion Ratio Lower Upper

166 100

165 100.0 77.8 116.6

167 13.3 42.4 63.6#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.78 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

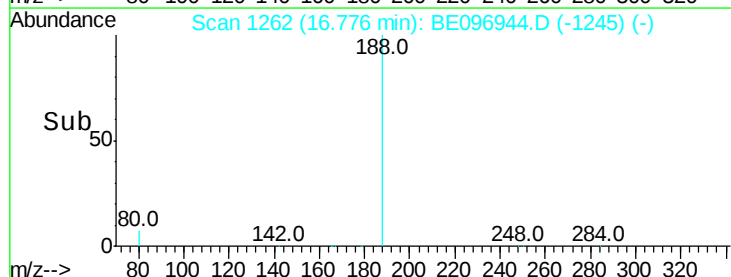
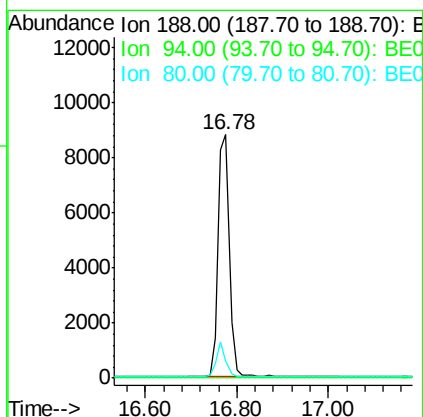
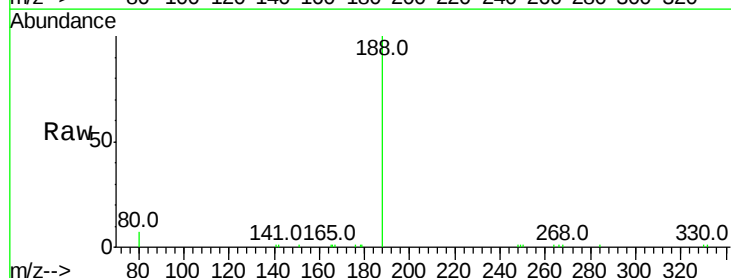
Tgt Ion:188 Resp: 14794

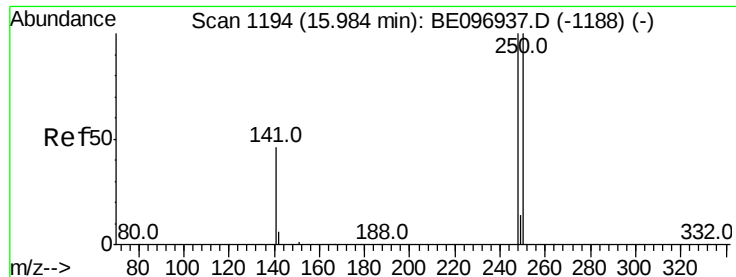
Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 7.3 3.6 5.4#

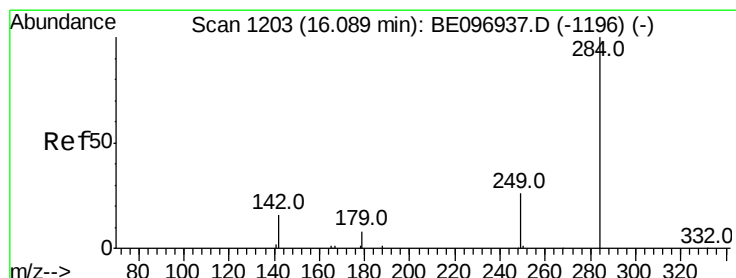
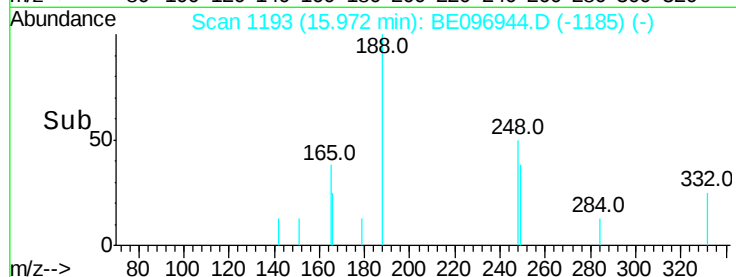
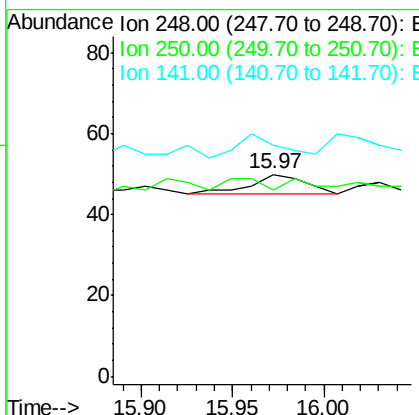
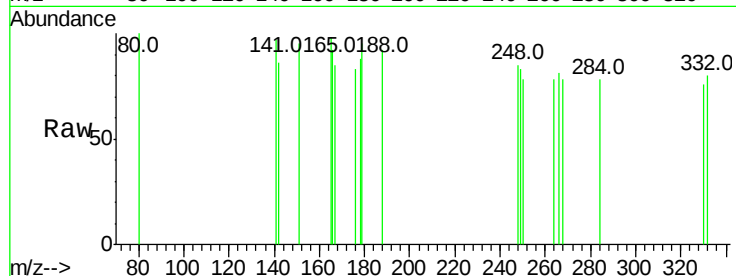




#20
4-Bromophenyl-phenylether
Concen: 0.001 ng
RT: 15.97 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BE096944.D
Acq: 16 Jul 2018 18:48

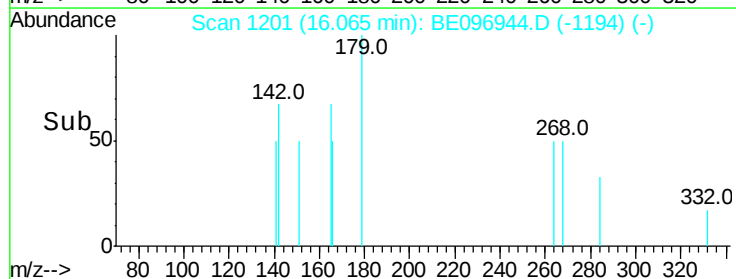
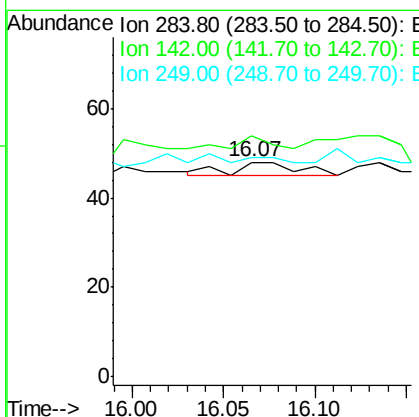
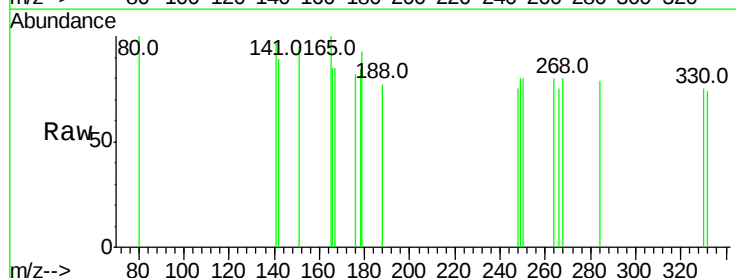
Instrument :
BNA_E
ClientSampleId :
RE120D1-071118DL

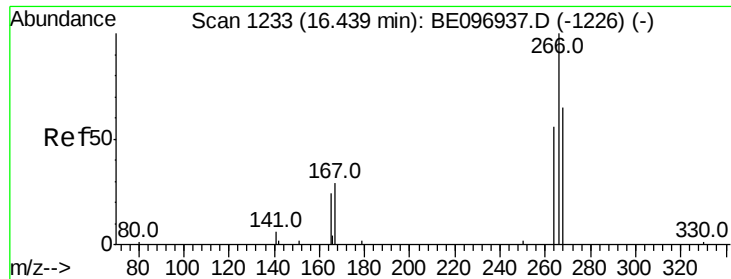
Tot Ion:248 Resp: 10
Ion Ratio Lower Upper
248 100
250 92.0 62.7 94.1
141 114.0 48.2 72.2#



#21
Hexachlorobenzene
Concen: 0.001 ng
RT: 16.07 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BE096944.D
Acq: 16 Jul 2018 18:48

Tgt Ion:284 Resp: 8
Ion Ratio Lower Upper
284 100
142 37.5 22.1 33.1#
249 0.0 34.8 52.2#

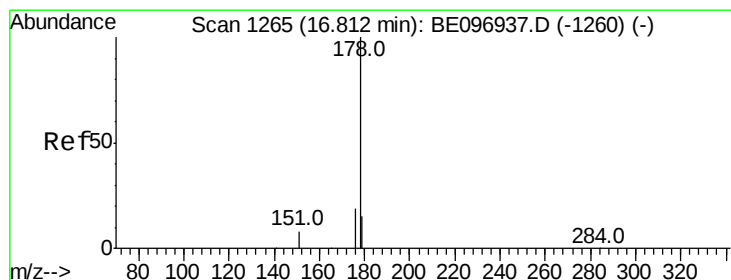
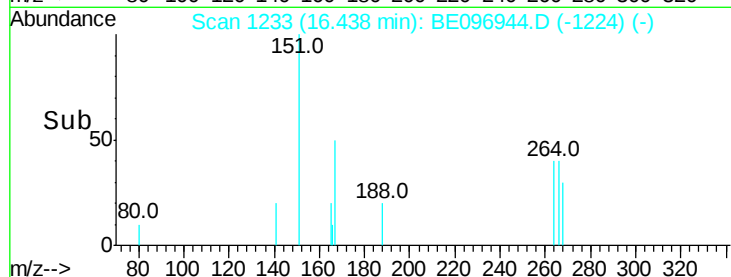
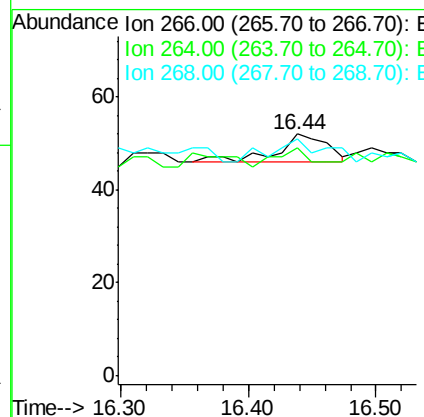
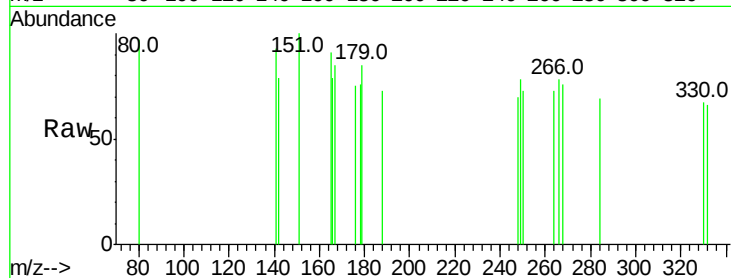




#22
 Pentachlorophenol
 Concen: Below Cal
 RT: 16.44 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: BE096944.D
 Acq: 16 Jul 2018 18:48

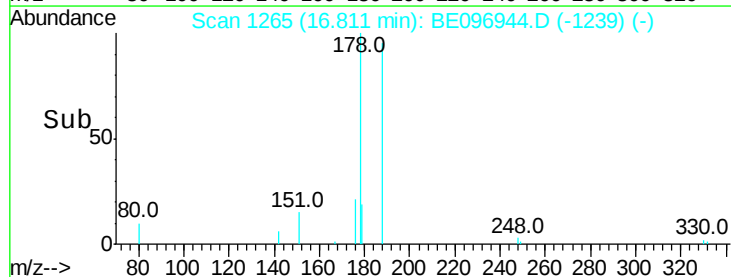
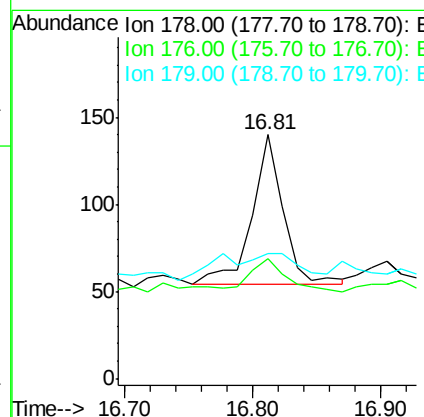
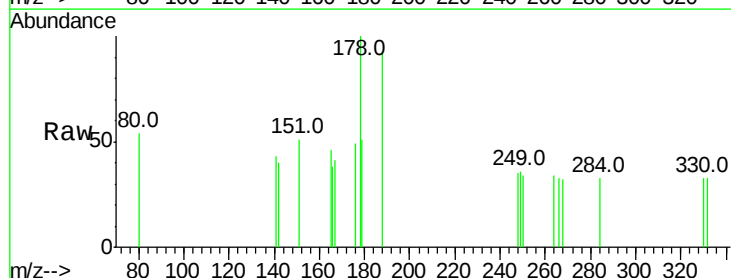
Instrument :
 BNA_E
 ClientSampleId :
 RE120D1-071118DL

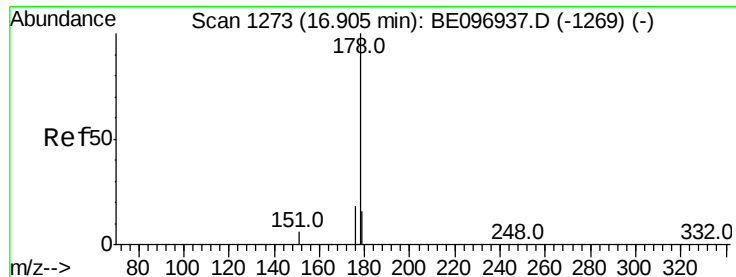
Tot Ion:266 Resp: 16
 Ion Ratio Lower Upper
 266 100
 264 94.2 72.5 108.7
 268 98.1 73.8 110.6



#23
 Phenanthrene
 Concen: 0.004 ng
 RT: 16.81 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: BE096944.D
 Acq: 16 Jul 2018 18:48

Tgt Ion:178 Resp: 148
 Ion Ratio Lower Upper
 178 100
 176 24.3 15.1 22.7#
 179 18.2 11.8 17.6#





#24

Anthracene

Concen: 0.001 ng

RT: 16.90 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

Instrument :

BNA_E

ClientSampleId :

RE120D1-071118DL

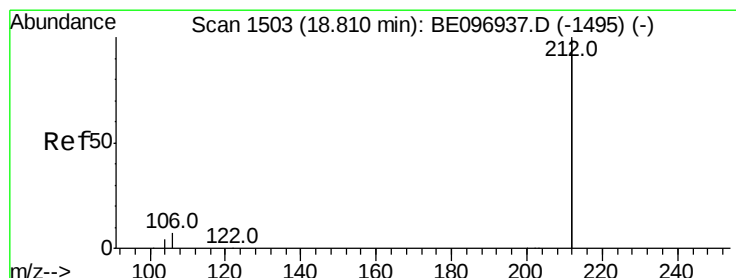
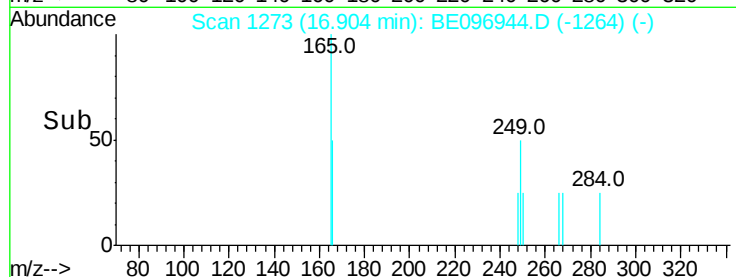
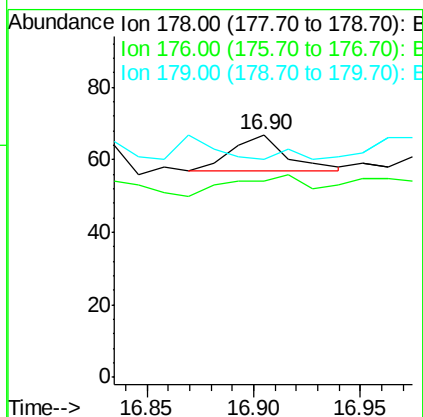
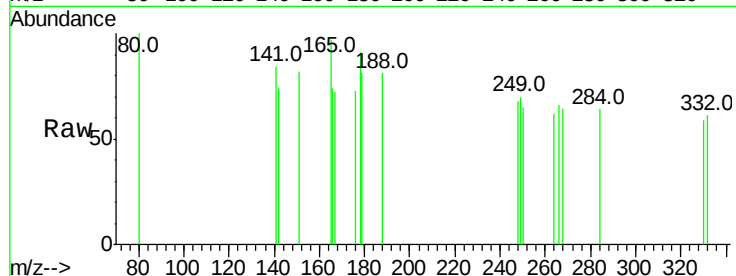
Tot Ion:178 Resp: 17

Ion Ratio Lower Upper

178 100

176 76.5 12.8 19.2#

179 11.8 13.0 19.6#



#25

Fluoranthene-d10

Concen: 0.097 ng

RT: 18.81 min Scan# 1504

Delta R.T. 0.01 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

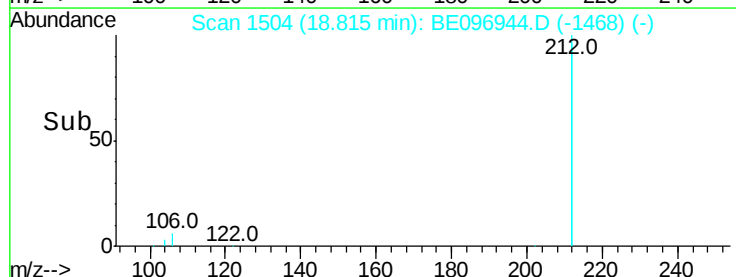
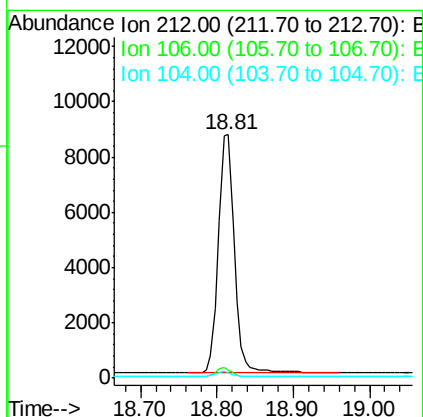
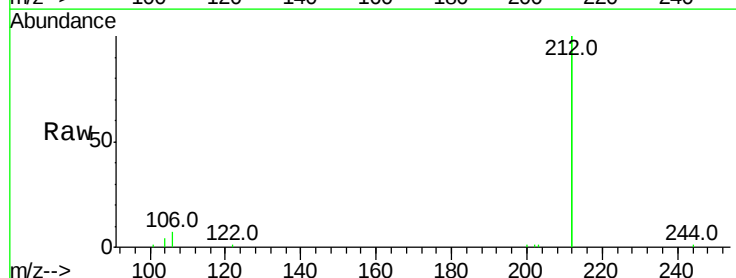
Tgt Ion:212 Resp: 12528

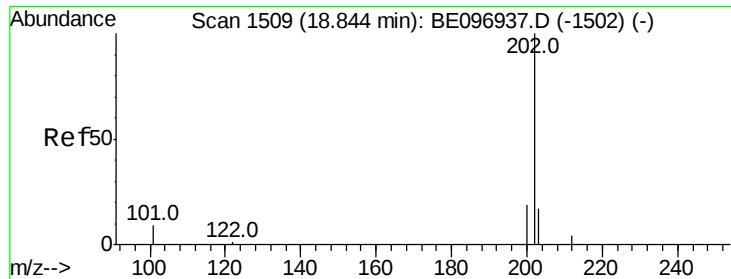
Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

104 1.9 1.6 2.4





#26

Fluoranthene

Concen: 0.001 ng

RT: 18.84 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

Instrument :

BNA_E

ClientSampleId :

RE120D1-071118DL

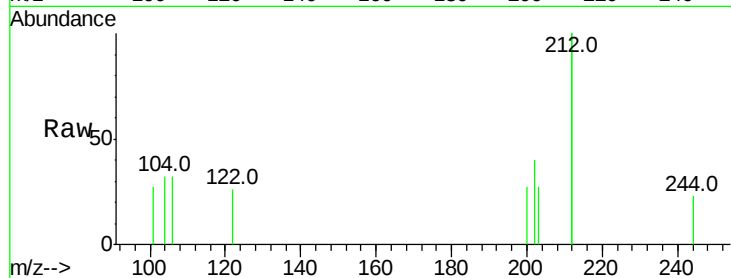
Tot Ion:202 Resp: 44

Ion Ratio Lower Upper

202 100

101 13.6 9.8 14.8

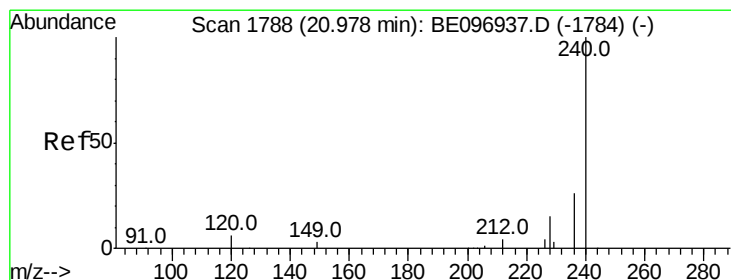
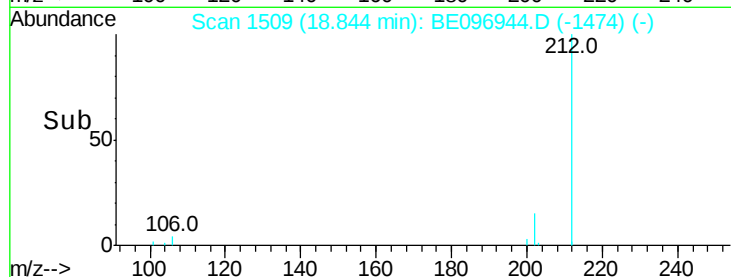
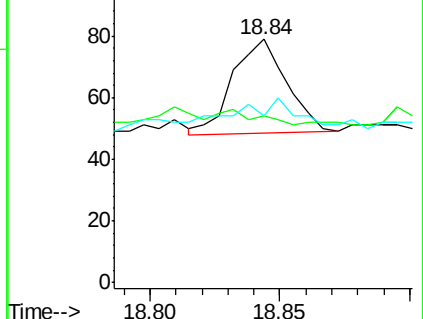
203 11.4 13.7 20.5#



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: 20.98 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

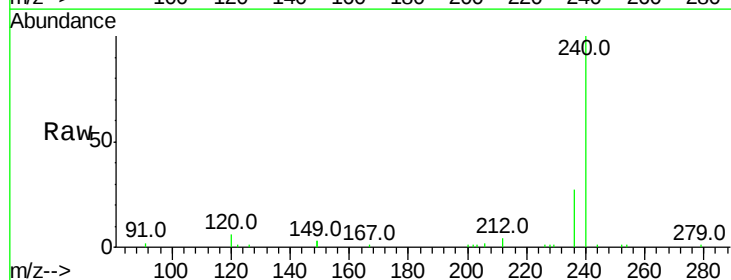
Tgt Ion:240 Resp: 10477

Ion Ratio Lower Upper

240 100

120 6.3 5.5 8.3

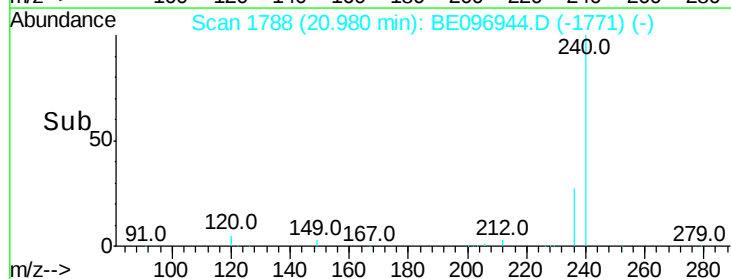
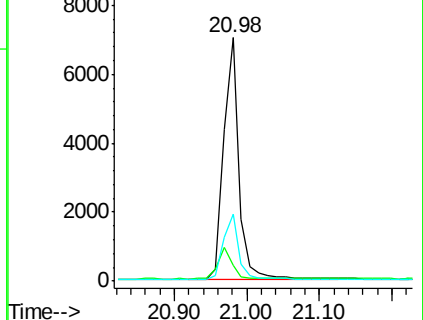
236 27.4 20.7 31.1

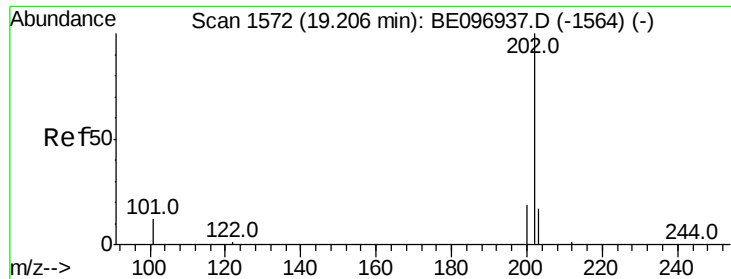


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.002 ng

RT: 19.21 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

Instrument :

BNA_E

ClientSampleId :

RE120D1-071118DL

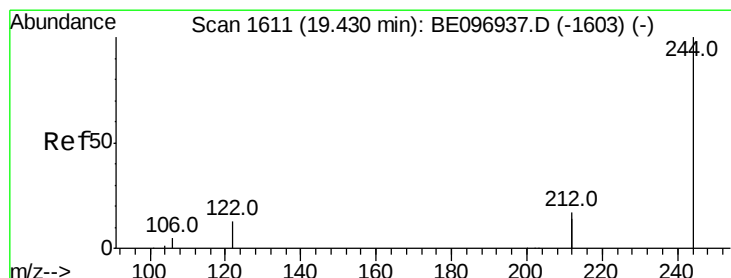
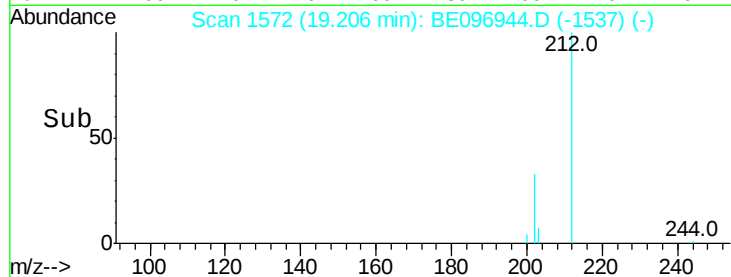
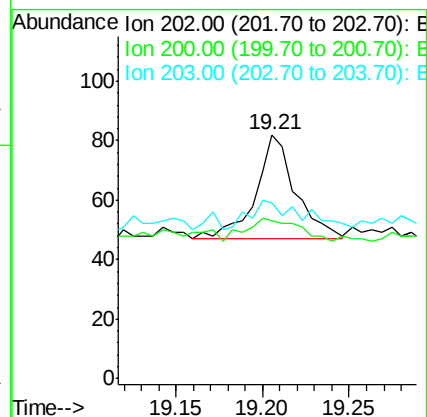
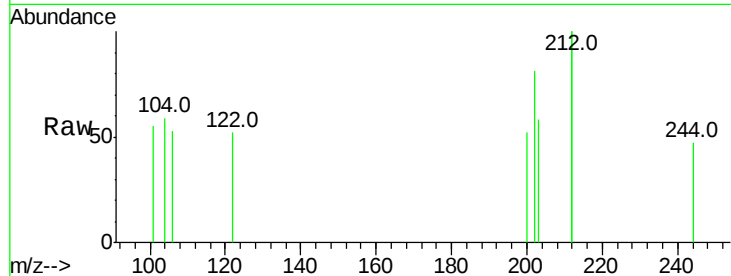
Tot Ion:202 Resp: 56

Ion Ratio Lower Upper

202 100

200 30.4 16.6 25.0#

203 37.5 13.8 20.8#



#29

Terphenyl-d14

Concen: 0.214 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

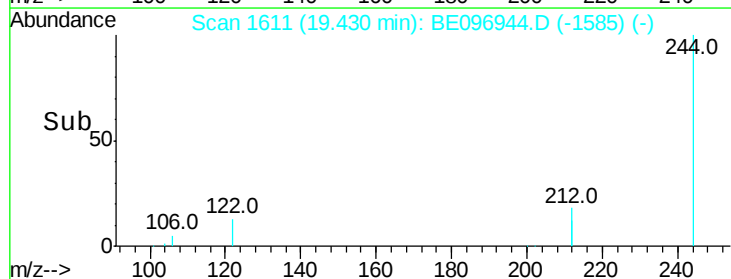
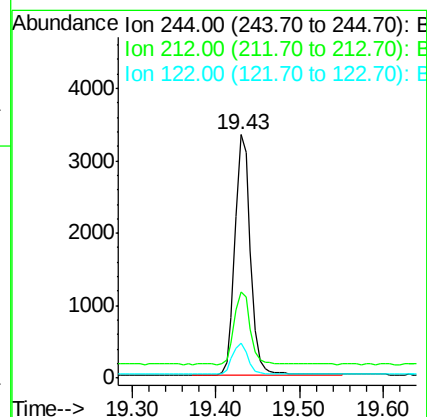
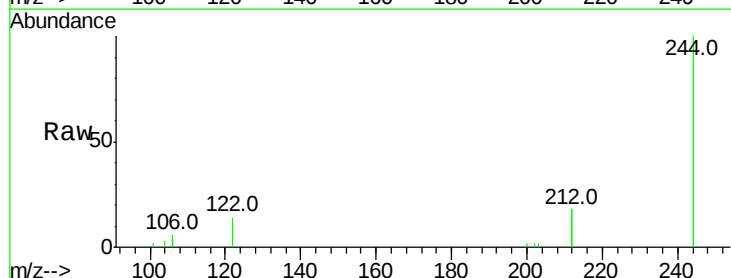
Tgt Ion:244 Resp: 4316

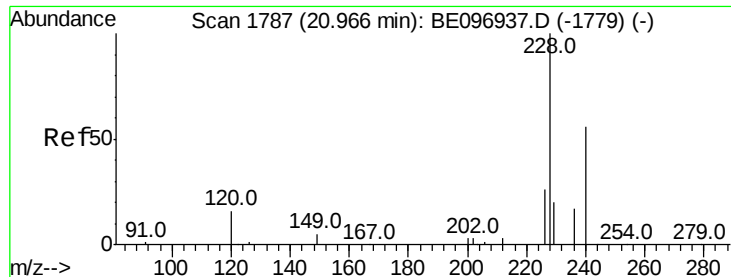
Ion Ratio Lower Upper

244 100

212 35.6 25.4 38.0

122 14.4 8.1 12.1#





#30

Benzo(a)anthracene

Concen: 0.004 ng

RT: 20.97 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

Instrument :

BNA_E

ClientSampleId :

RE120D1-071118DL

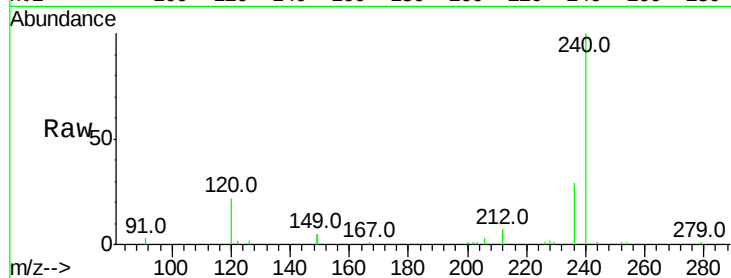
Tot Ion:228 Resp: 94

Ion Ratio Lower Upper

228 100

226 69.2 24.0 36.0#

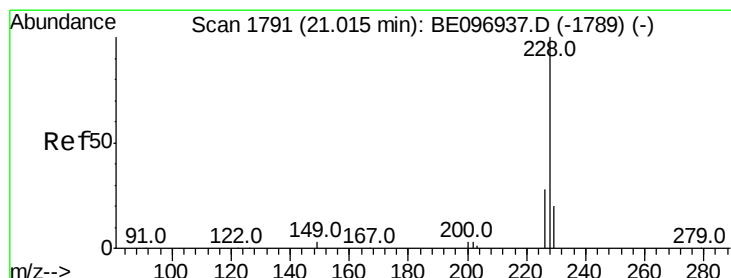
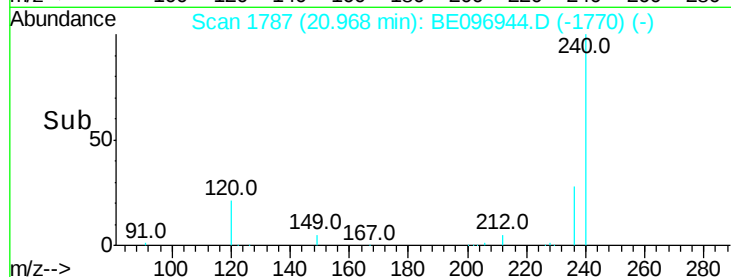
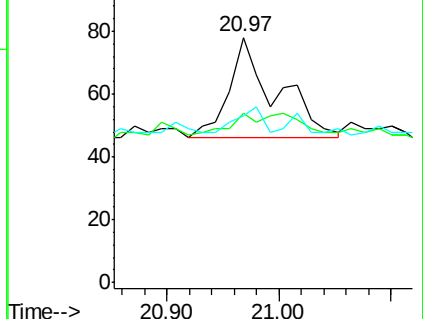
229 67.9 16.0 24.0#



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



#31

Chrysene

Concen: 0.000 ng

RT: 21.06 min Scan# 1795

Delta R.T. 0.05 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

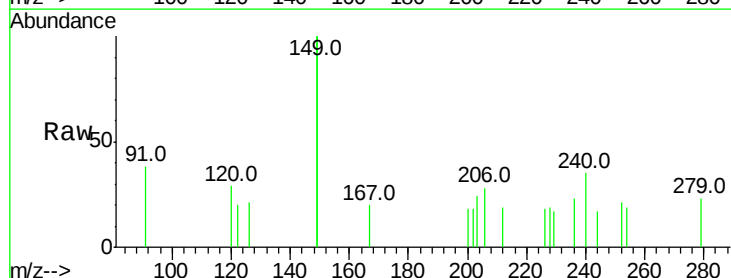
Tgt Ion:228 Resp: 5

Ion Ratio Lower Upper

228 100

226 96.1 24.0 36.0#

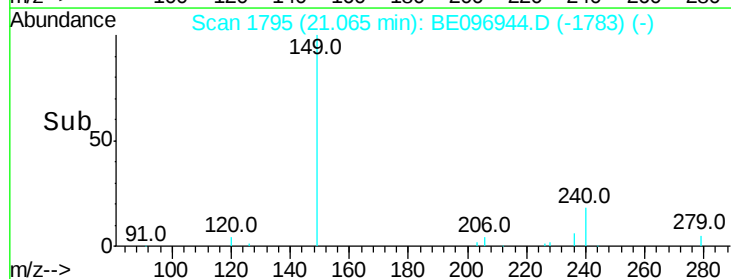
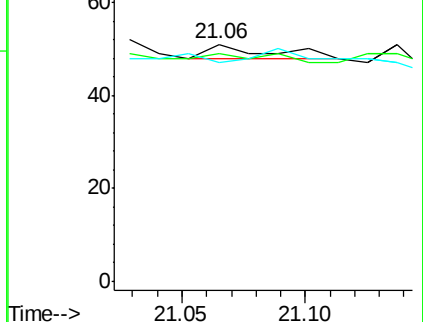
229 92.2 16.0 24.0#

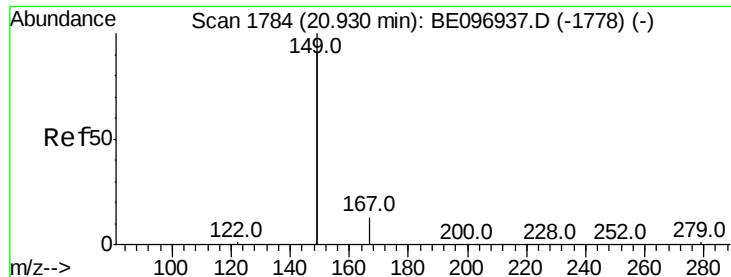


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.021 ng

RT: 20.93 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

Instrument :

BNA_E

ClientSampleId :

RE120D1-071118DL

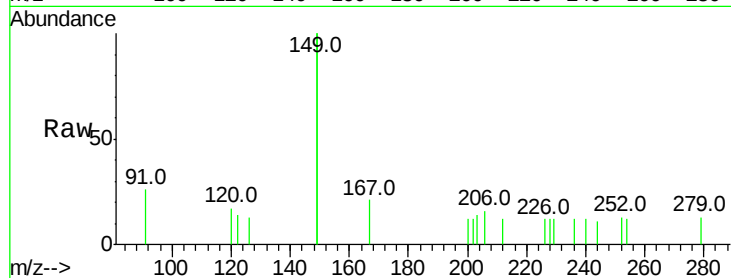
Tot Ion:149 Resp: 530

Ion Ratio Lower Upper

149 100

167 13.2 5.4 8.0#

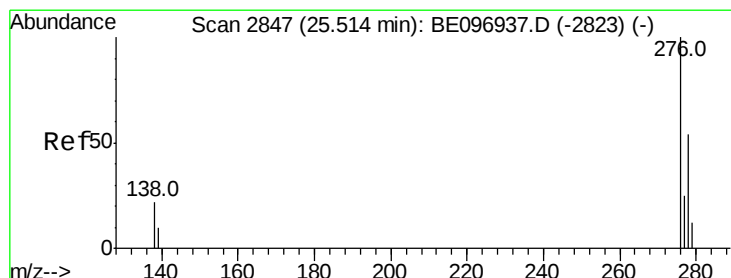
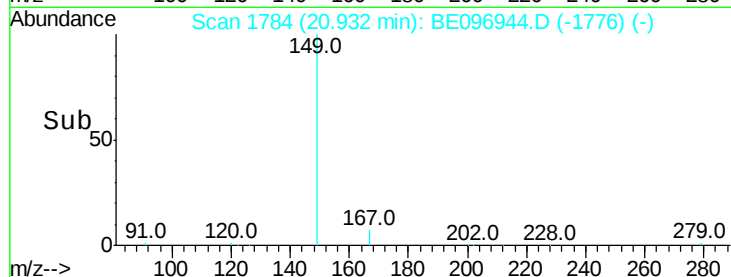
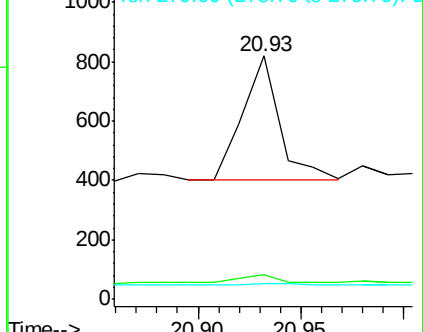
279 2.1 0.7 1.1#



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# 2850

Delta R.T. 0.01 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

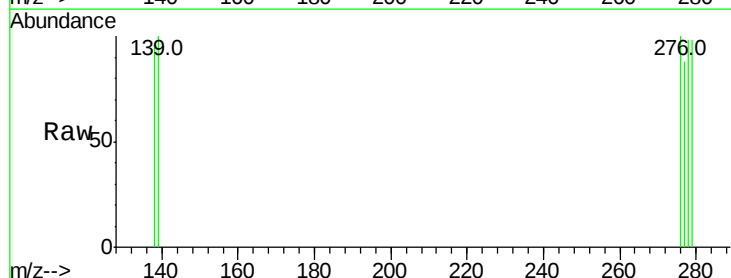
Tgt Ion:276 Resp: 4

Ion Ratio Lower Upper

276 100

138 150.0 22.5 33.7#

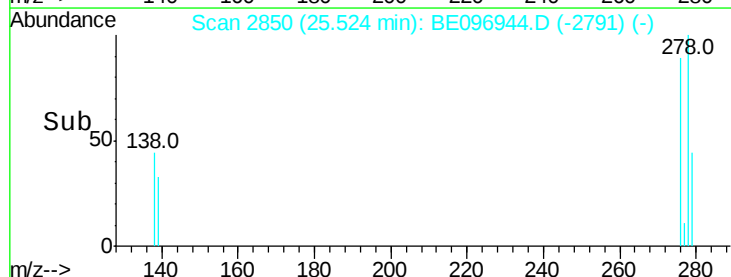
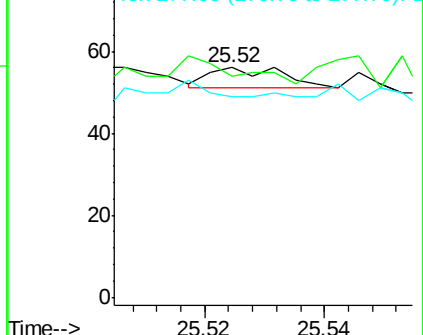
277 150.0 19.9 29.9#

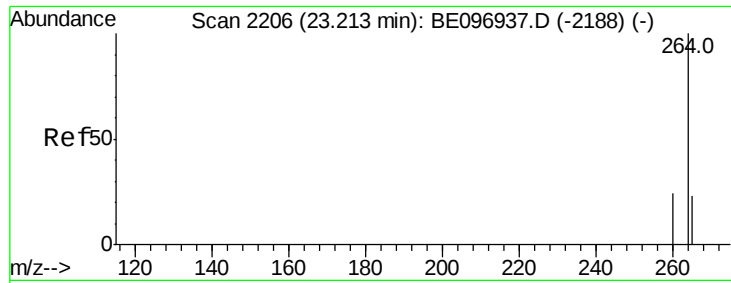


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

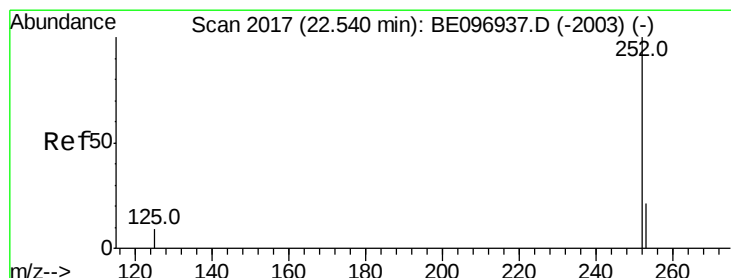
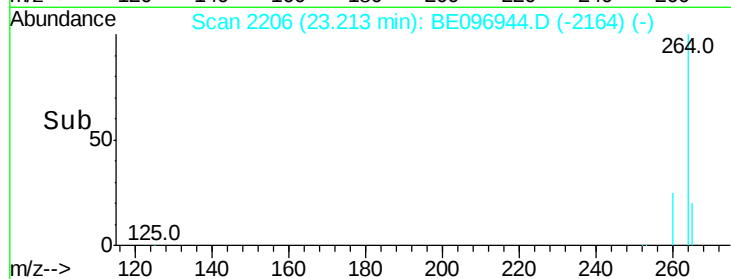
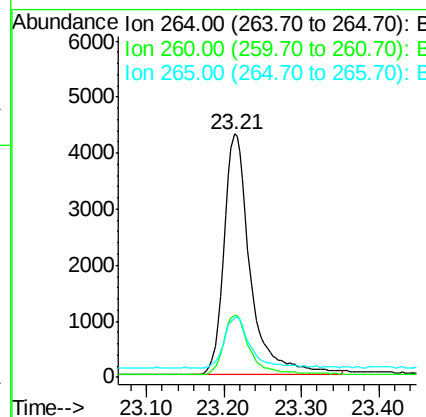
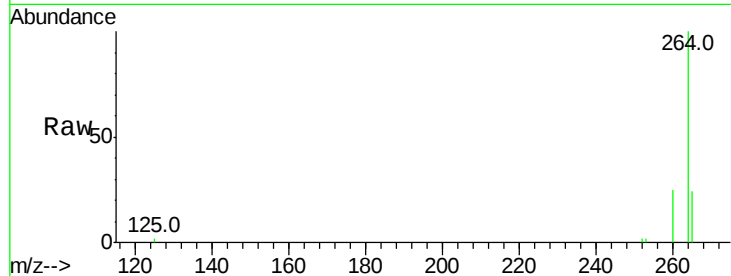




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BE096944.D
Acq: 16 Jul 2018 18:48

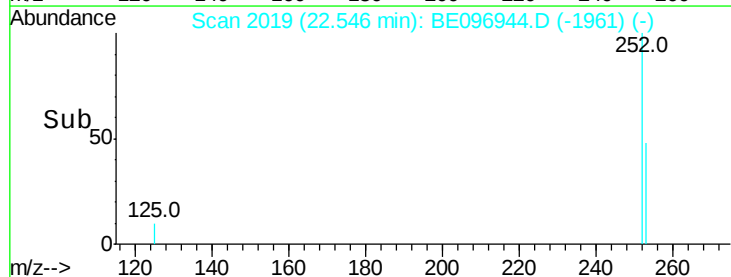
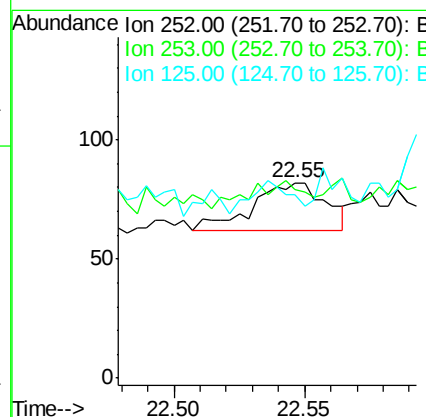
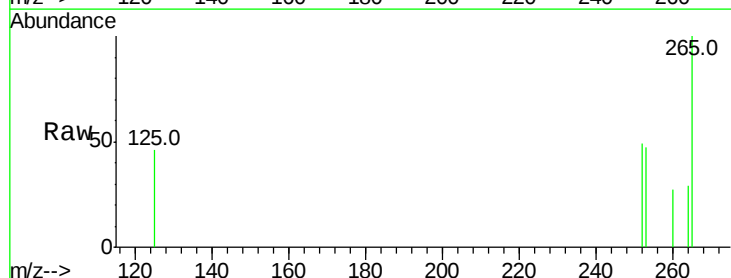
Instrument :
BNA_E
ClientSampleId :
RE120D1-071118DL

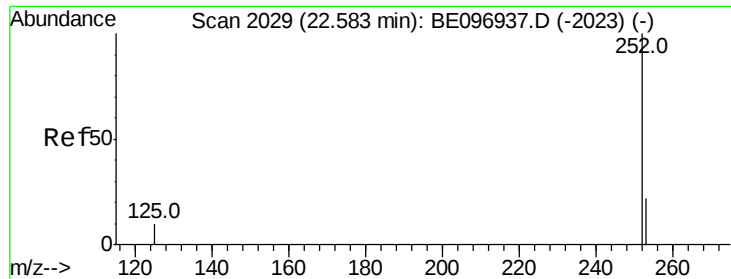
Tot Ion:264 Resp: 10162
Ion Ratio Lower Upper
264 100
260 25.3 20.5 30.7
265 24.2 22.8 34.2



#35
Benzo(b)fluoranthene
Concen: 0.001 ng
RT: 22.55 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BE096944.D
Acq: 16 Jul 2018 18:48

Tgt Ion:252 Resp: 38
Ion Ratio Lower Upper
252 100
253 96.3 20.0 30.0#
125 93.9 16.0 24.0#





#36

Benzo(k)fluoranthene

Concen: 0.001 ng

RT: 22.55 min Scan# 2019

Delta R.T. -0.04 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

Instrument :

BNA_E

ClientSampleId :

RE120D1-071118DL

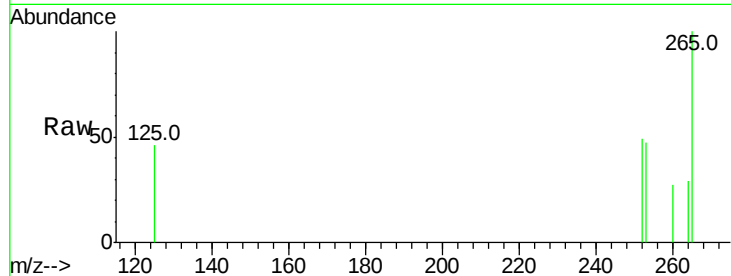
Tot Ion:252 Resp: 38

Ion Ratio Lower Upper

252 100

253 96.3 16.0 24.0#

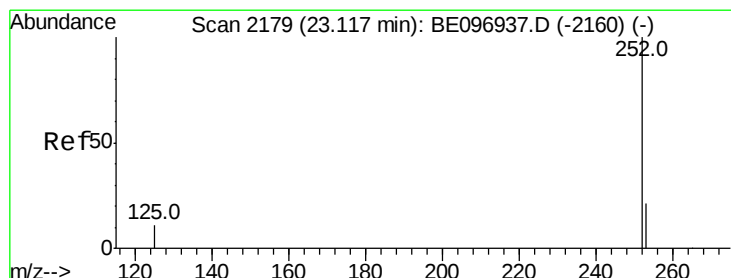
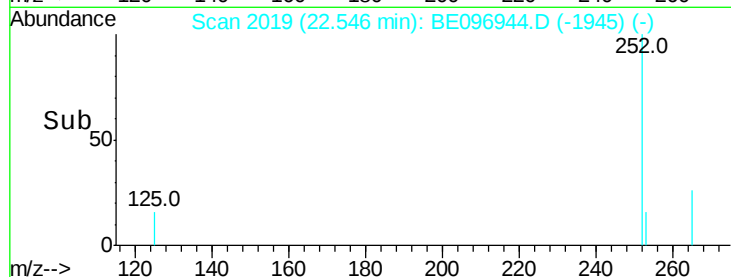
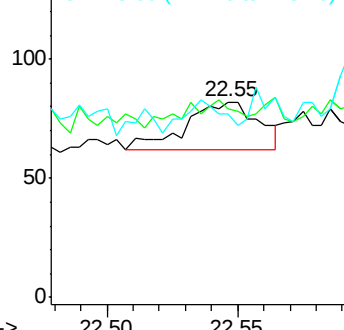
125 93.9 8.0 12.0#



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: 0.102 ng

RT: 23.12 min Scan# 2180

Delta R.T. 0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

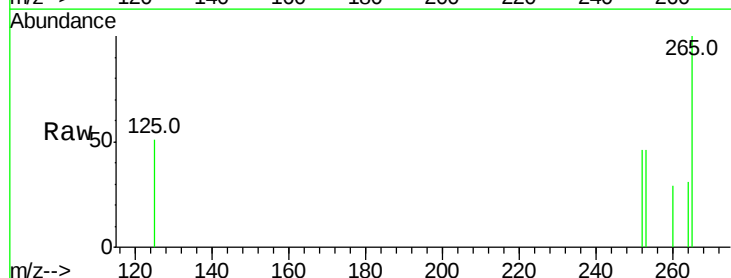
Tgt Ion:252 Resp: 21

Ion Ratio Lower Upper

252 100

253 101.3 16.0 24.0#

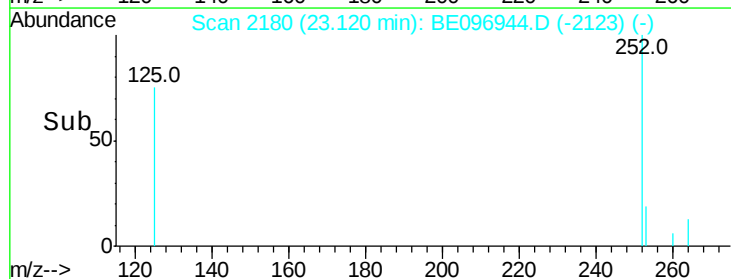
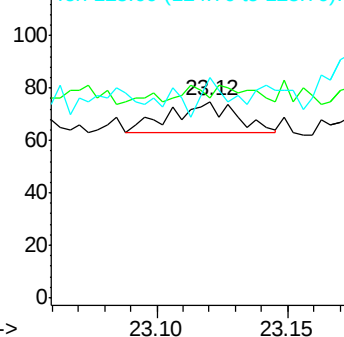
125 112.0 12.0 18.0#

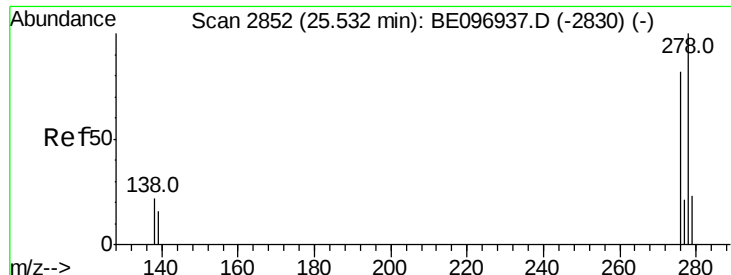


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.118 ng

RT: 25.53 min Scan# 2851

Delta R.T. -0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

Instrument :

BNA_E

ClientSampleId :

RE120D1-071118DL

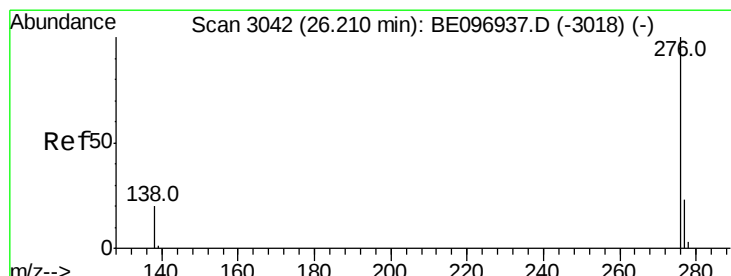
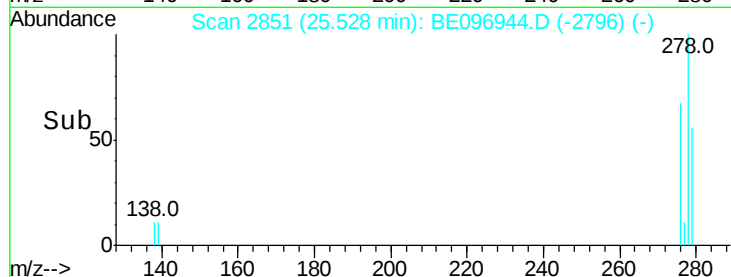
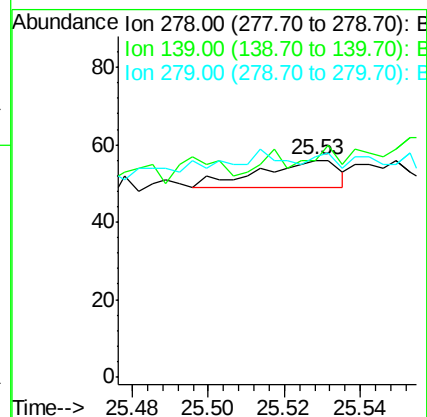
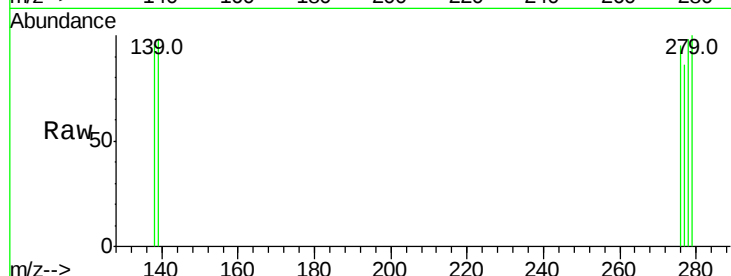
Tot Ion:278 Resp: 10

Ion Ratio Lower Upper

278 100

139 100.0 16.0 24.0#

279 101.8 20.0 30.0#



#39

Benzo(g,h,i)perylene

Concen: 0.001 ng

RT: 26.21 min Scan# 3043

Delta R.T. 0.00 min

Lab File: BE096944.D

Acq: 16 Jul 2018 18:48

Tgt Ion:276 Resp: 20

Ion Ratio Lower Upper

276 100

277 85.7 16.0 24.0#

138 92.9 20.0 30.0#

