

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071618\
 Data File : BE096947.D
 Acq On : 16 Jul 2018 20:48
 Operator : SJ/JU
 Sample : J3921-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-180709

Quant Time: Jul 17 16:42:48 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	2034	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	9730	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	5767	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	16747	0.40	ng	-0.01
27) Chrysene-d12	20.98	240	15732	0.40	ng	0.00
34) Perylene-d12	23.21	264	15879	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	916	0.19	ng	0.00
5) Phenol-d6	6.59	99	851	0.11	ng	0.00
8) Nitrobenzene-d5	8.53	82	3088	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	6091	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	815	0.60	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	9774	0.46	ng	-0.01
25) Fluoranthene-d10	18.81	212	75100	0.52	ng	0.00
29) Terphenyl-d14	19.43	244	23478	0.77	ng	0.00

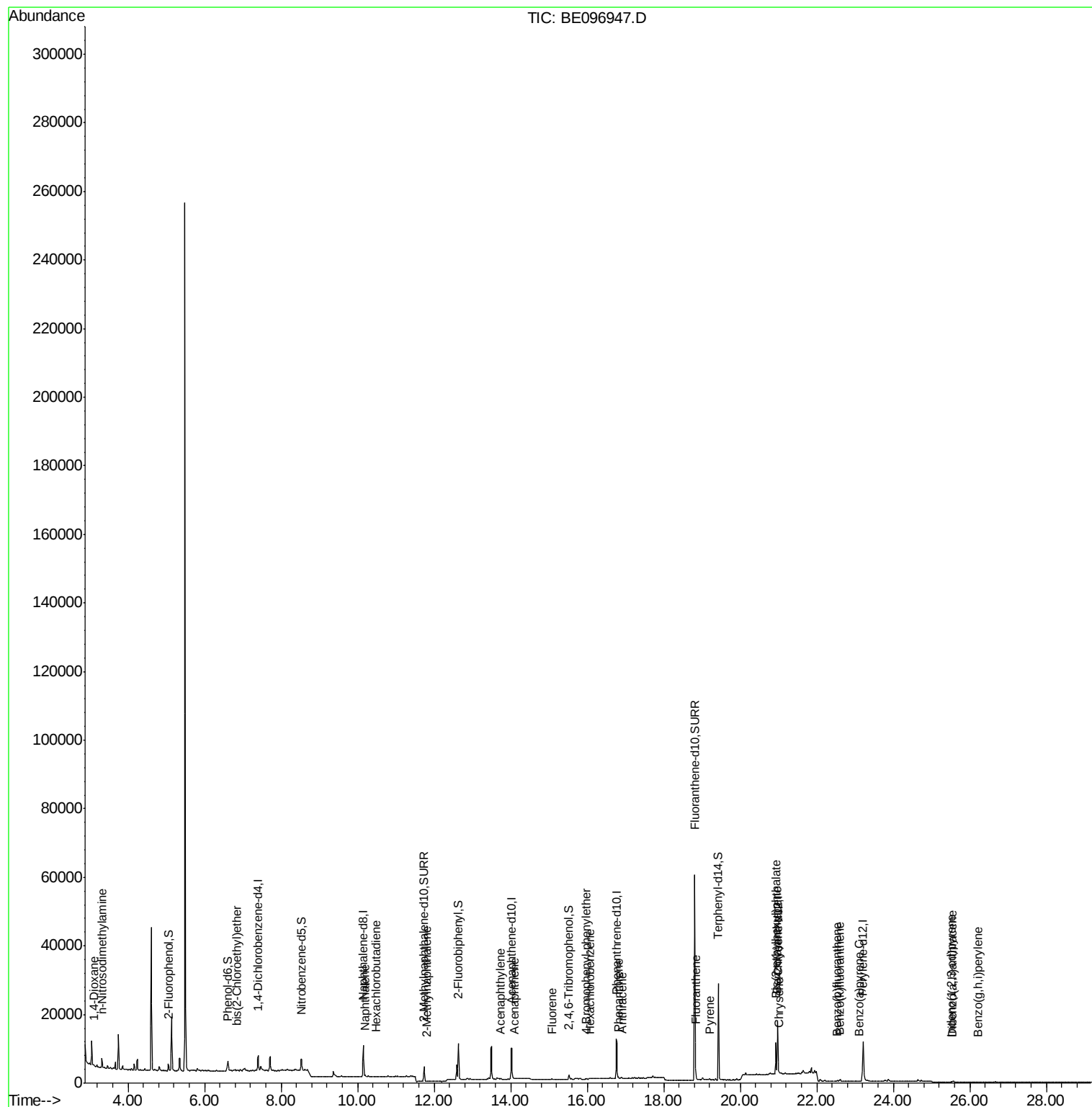
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	200	0.069	ng	# 42
3) n-Nitrosodimethylamine	3.31	42	353	0.108	ng	# 1
6) bis(2-Chloroethyl)ether	6.84	93	21	0.003	ng	# 1
9) Naphthalene	10.20	128	755	0.009	ng	# 79
10) Hexachlorobutadiene	10.48	225	18	0.005	ng	# 73
12) 2-Methylnaphthalene	11.81	142	91	0.006	ng	# 69
16) Acenaphthylene	13.74	152	70	0.003	ng	# 34
17) Acenaphthene	14.08	154	61	0.004	ng	# 64
18) Fluorene	15.07	166	102	0.006	ng	# 74
20) 4-Bromophenyl-phenylether	15.97	248	21	0.003	ng	# 25
21) Hexachlorobenzene	16.08	284	24	0.003	ng	# 27
22) Pentachlorophenol	16.43	266	22	Below Cal		91
23) Phenanthrene	16.81	178	550	0.014	ng	# 88
24) Anthracene	16.90	178	200	0.006	ng	# 72
26) Fluoranthene	18.84	202	282	0.007	ng	# 81
28) Pyrene	19.21	202	258	0.006	ng	# 96
30) Benzo(a)anthracene	20.97	228	198	0.005	ng	# 35
31) Chrysene	21.02	228	152	0.004	ng	# 31
32) Bis(2-ethylhexyl)phthalate	20.93	149	9839	0.263	ng	100
33) Indeno(1,2,3-cd)pyrene	25.50	276	45	0.001	ng	# 61
35) Benzo(b)fluoranthene	22.54	252	145	0.004	ng	# 1
36) Benzo(k)fluoranthene	22.59	252	190	0.004	ng	# 1
37) Benzo(a)pyrene	23.11	252	83	0.103	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	13	0.118	ng	# 1
39) Benzo(g,h,i)perylene	26.21	276	118	0.004	ng	# 1

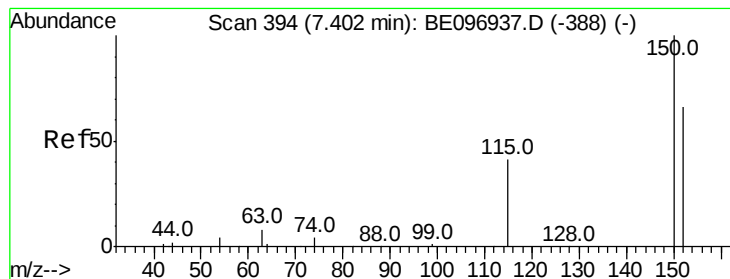
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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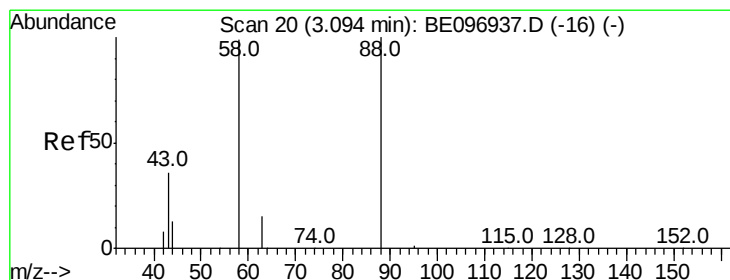
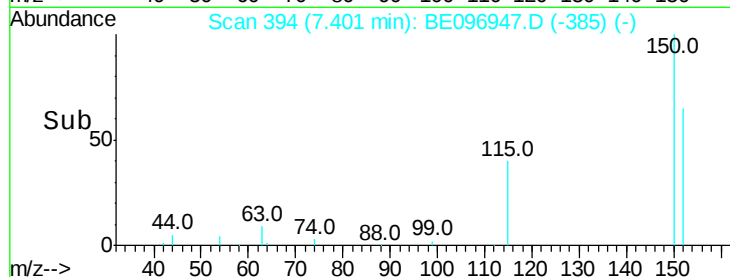
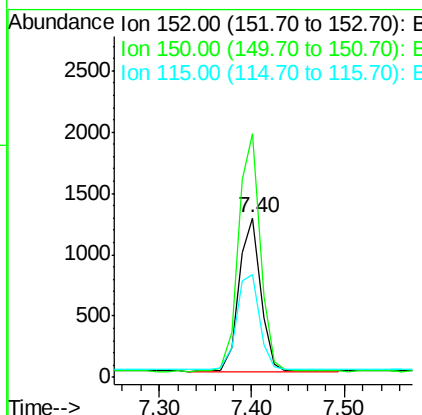
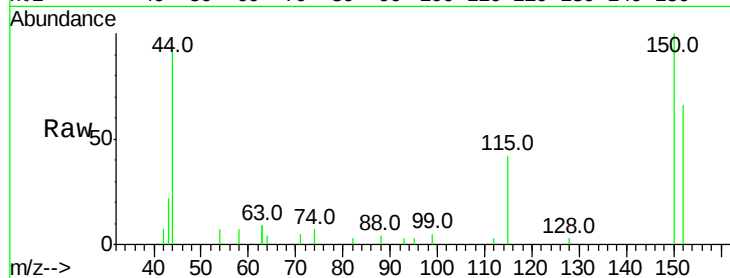


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. -0.00 min
Lab File: BE096947.D
Acq: 16 Jul 2018 20:48

Instrument :
BNA_E
ClientSampleId :
KY038PS027-180709

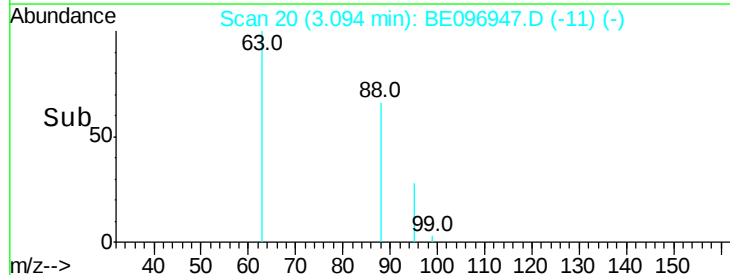
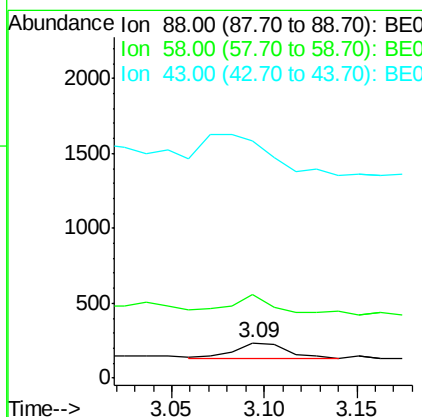
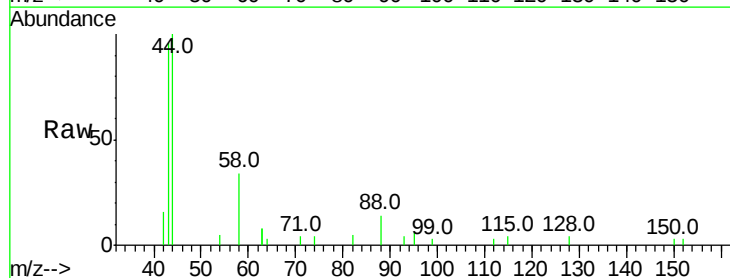
Tot Ion:152 Resp: 2034
Ion Ratio Lower Upper
152 100
150 152.7 117.2 175.8
115 64.6 57.0 85.6



#2

1,4-Dioxane
Concen: 0.069 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE096947.D
Acq: 16 Jul 2018 20:48

Tgt Ion: 88 Resp: 200
Ion Ratio Lower Upper
88 100
58 121.0 63.2 94.8#
43 0.0 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 0.108 ng

RT: 3.31 min Scan# 39

Delta R.T. -0.07 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

Instrument :

BNA_E

ClientSampleId :

KY038PS027-180709

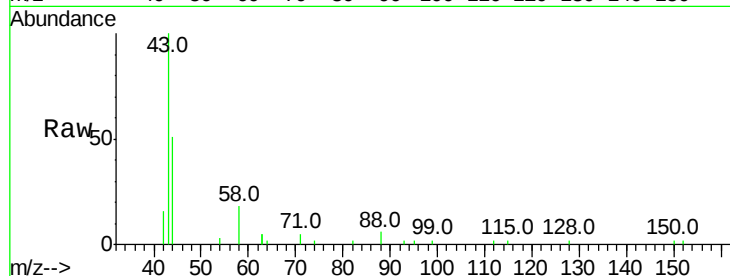
Tot Ion: 42 Resp: 353

Ion Ratio Lower Upper

42 100

74 1.7 96.0 144.0#

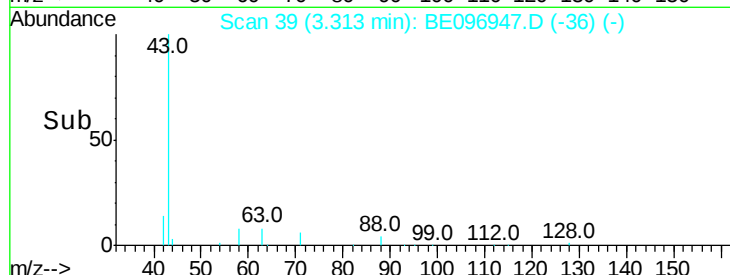
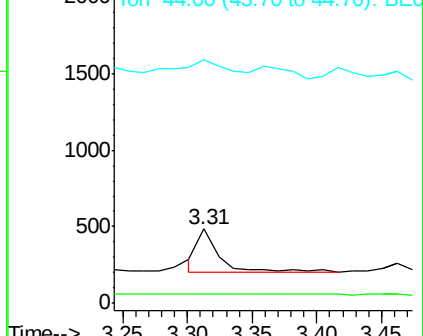
44 0.0 12.0 18.0#



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: 0.188 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

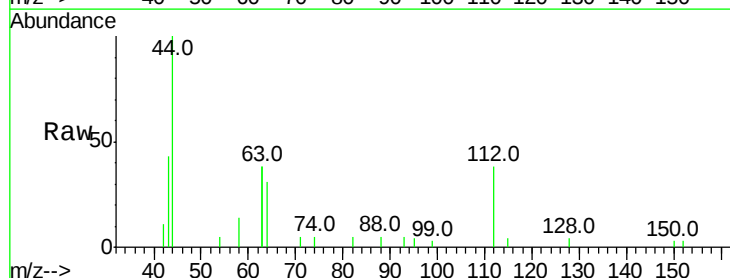
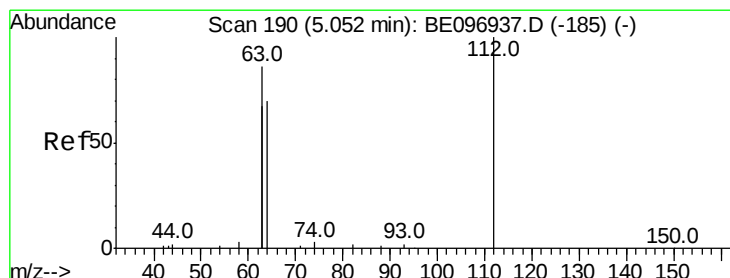
Tgt Ion: 112 Resp: 916

Ion Ratio Lower Upper

112 100

64 71.2 60.1 90.1

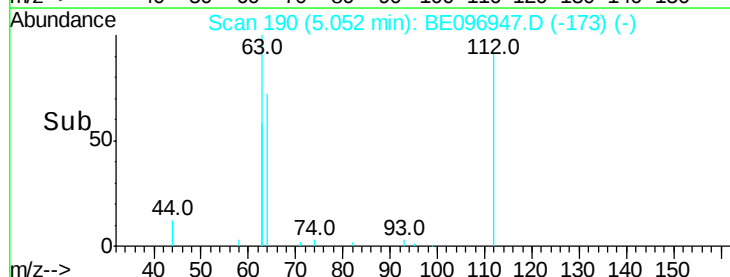
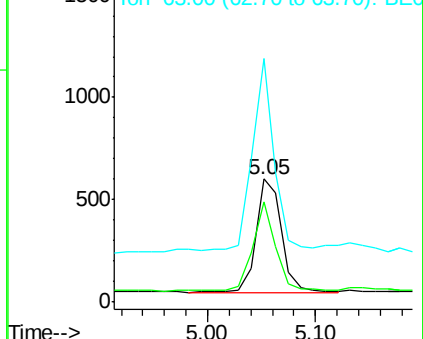
63 149.9 116.8 175.2

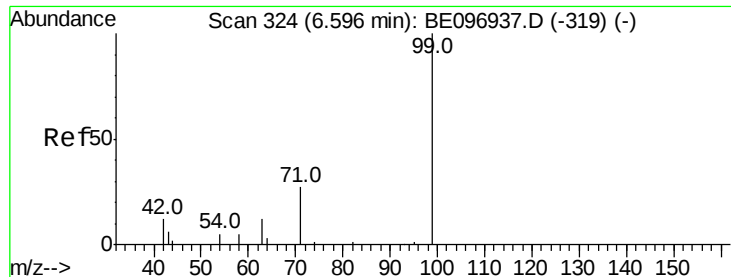


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.115 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

Instrument :

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KY038PS027-180709

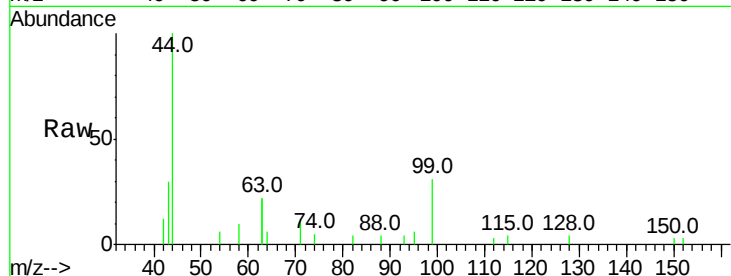
Tot Ion: 99 Resp: 851

Ion Ratio Lower Upper

99 100

42 40.1 20.2 30.2#

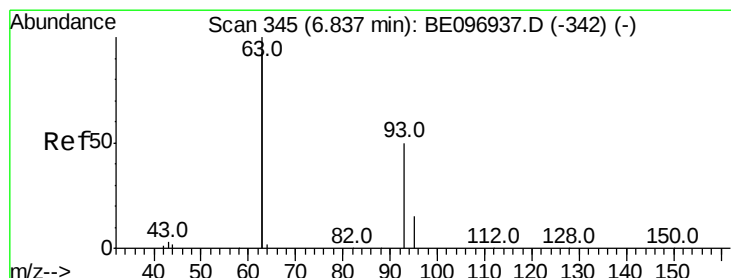
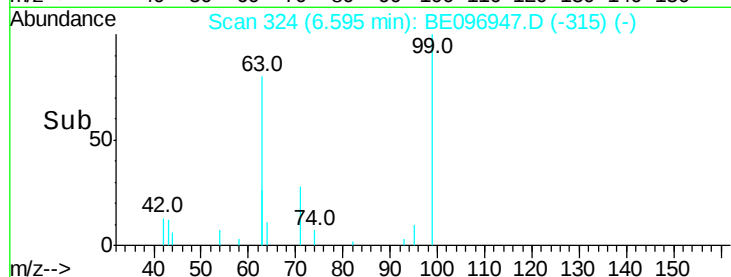
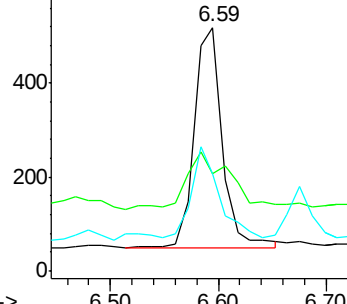
71 40.3 28.4 42.6



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: 0.003 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

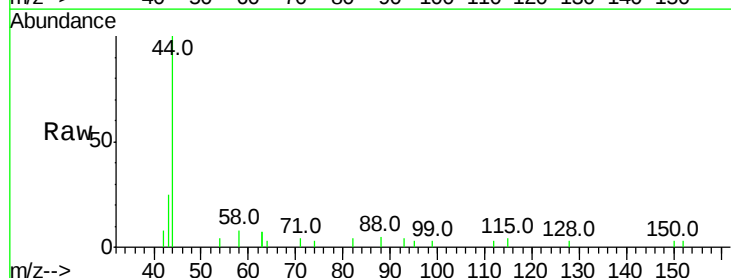
Tgt Ion: 93 Resp: 21

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

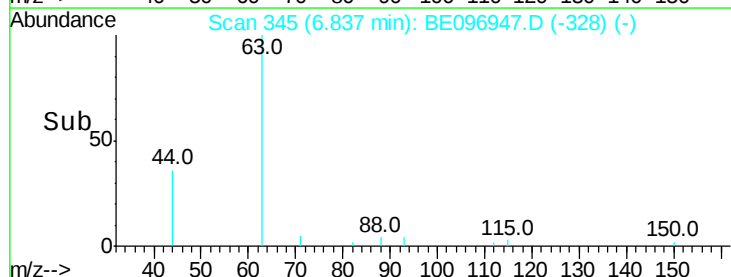
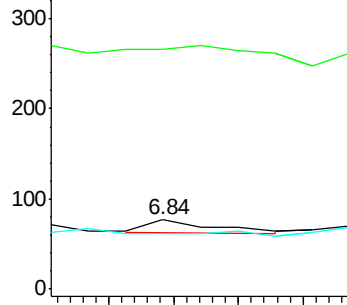
95 0.0 25.2 37.8#

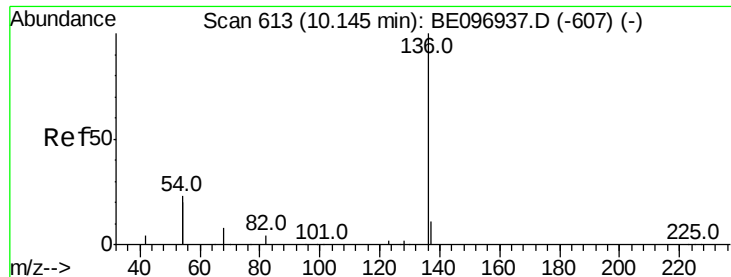


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE096947.D

Acq: 16 Jul 2018 20:48

Instrument :

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Tot Ion:136 Resp: 9730

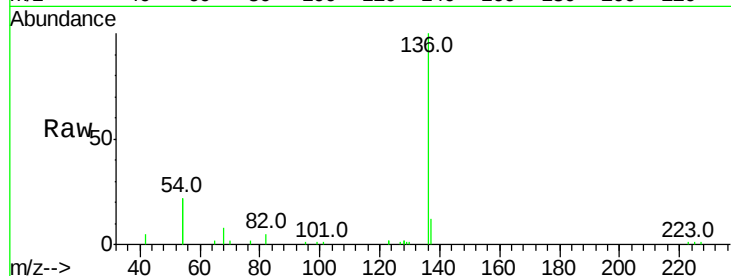
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 43.5 29.1 43.7

68 7.9 6.2 9.2

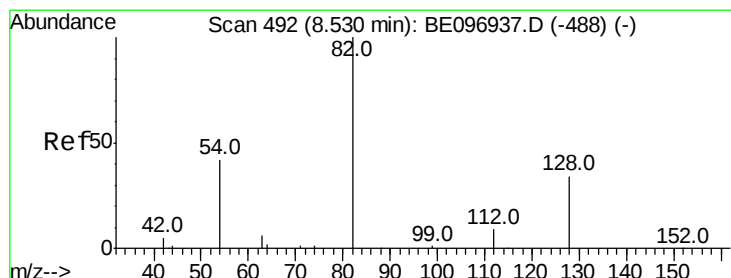
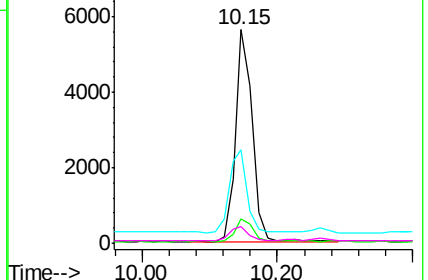
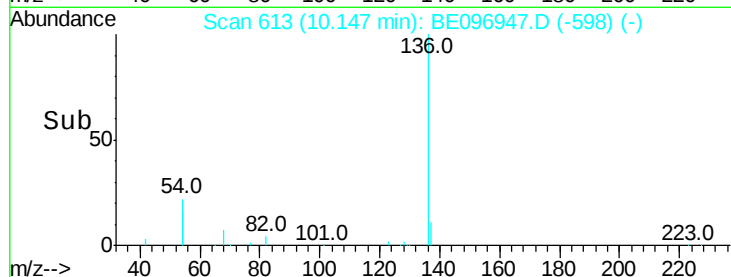


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.435 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

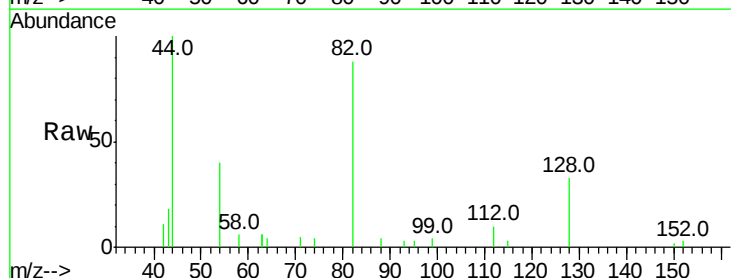
Tgt Ion: 82 Resp: 3088

Ion Ratio Lower Upper

82 100

128 37.3 24.0 36.0#

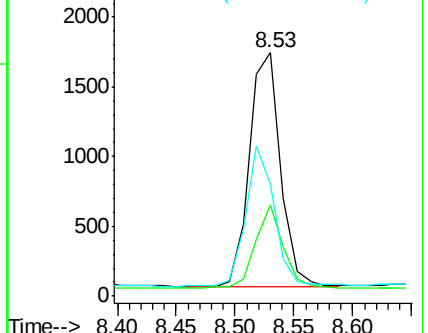
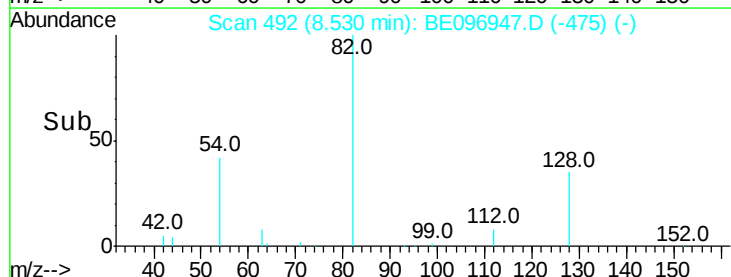
54 45.7 40.0 60.0



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: 0.009 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

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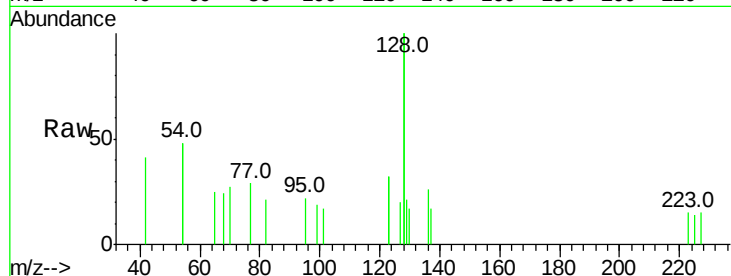
Tot Ion:128 Resp: 755

Ion Ratio Lower Upper

128 100

129 10.6 2.6 3.8#

127 10.1 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

10.20

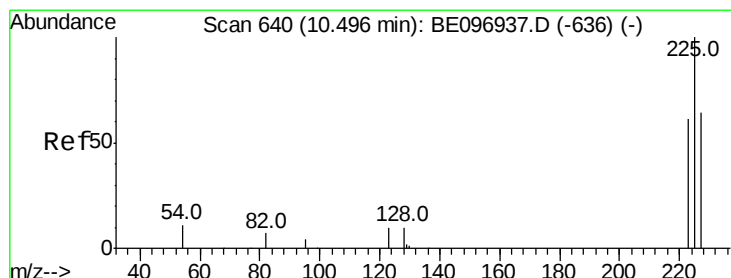
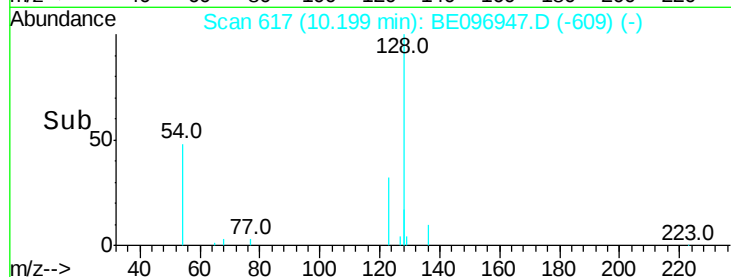
600

400

200

0

Time--> 10.10 10.15 10.20 10.25



#10

Hexachlorobutadiene

Concen: 0.005 ng

RT: 10.48 min Scan# 639

Delta R.T. -0.01 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

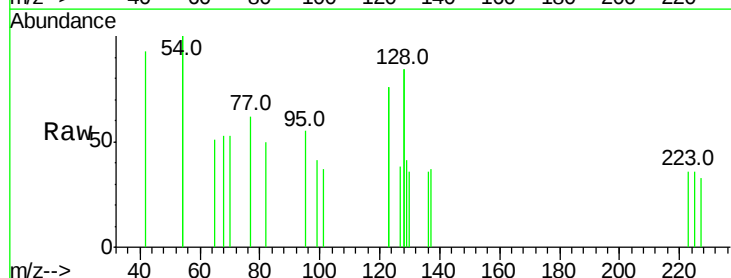
Tgt Ion:225 Resp: 18

Ion Ratio Lower Upper

225 100

223 66.7 53.0 79.6

227 22.2 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

10.48

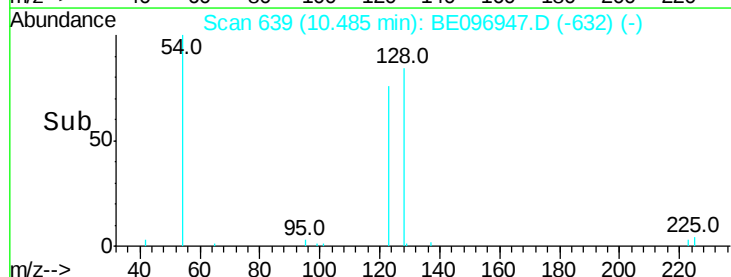
60

40

20

0

Time--> 10.40 10.50





#11

2-Methylnaphthalene-d10

Concen: 0.430 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

Instrument :

BNA_E

ClientSampleId :

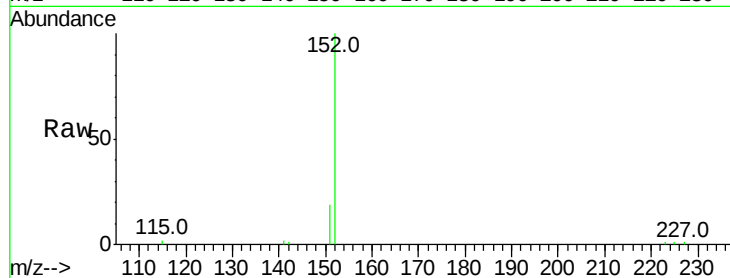
KY038PS027-180709

Tot Ion:152 Resp: 6091

Ion Ratio Lower Upper

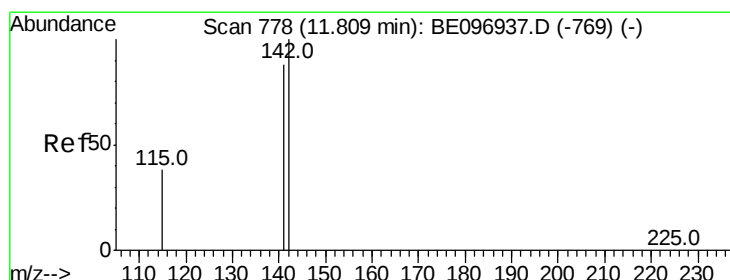
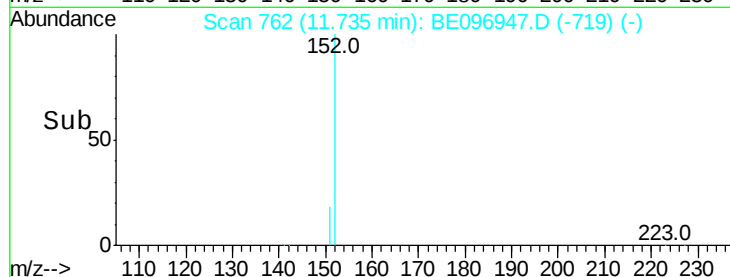
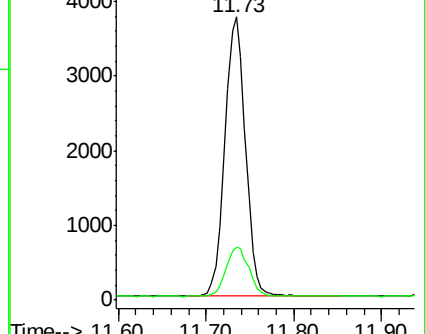
152 100

151 19.7 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: 0.006 ng

RT: 11.81 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

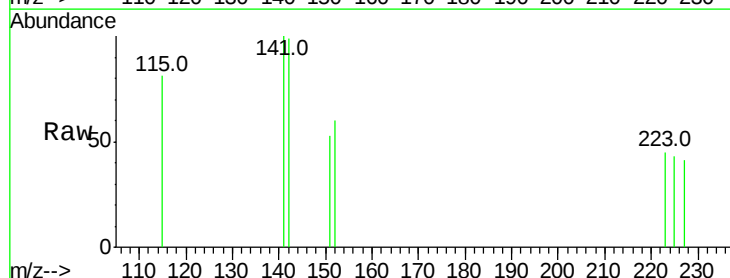
Tgt Ion:142 Resp: 91

Ion Ratio Lower Upper

142 100

141 100.9 70.4 105.6

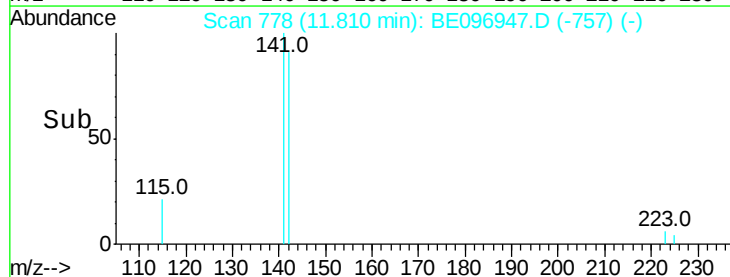
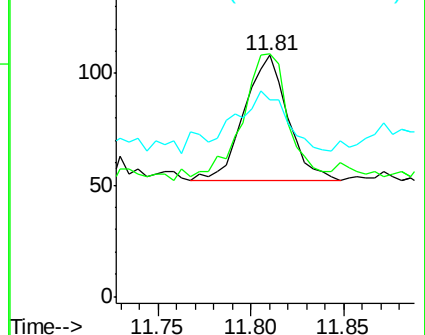
115 81.5 31.7 47.5#

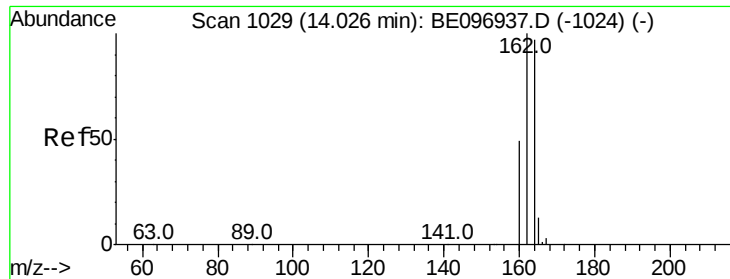


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

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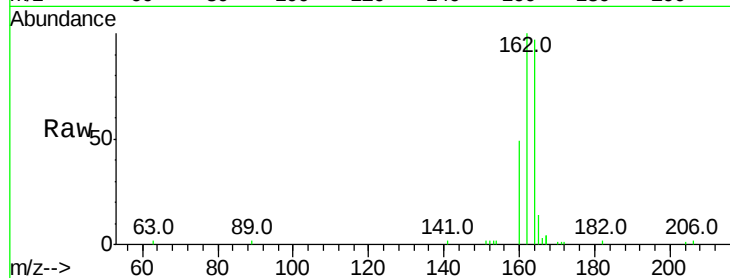
Tot Ion:164 Resp: 5767

Ion Ratio Lower Upper

164 100

162 102.8 83.1 124.7

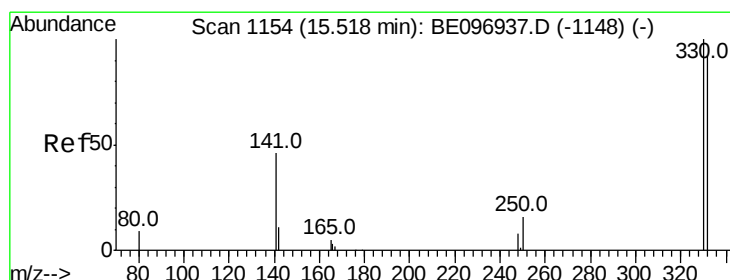
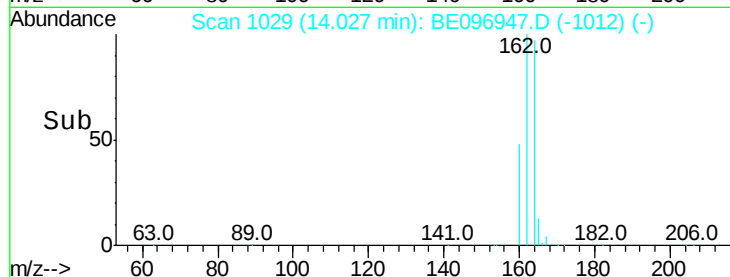
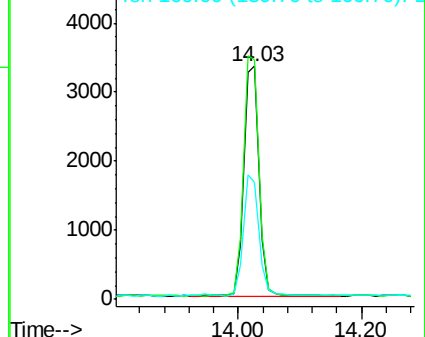
160 50.3 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.599 ng

RT: 15.52 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

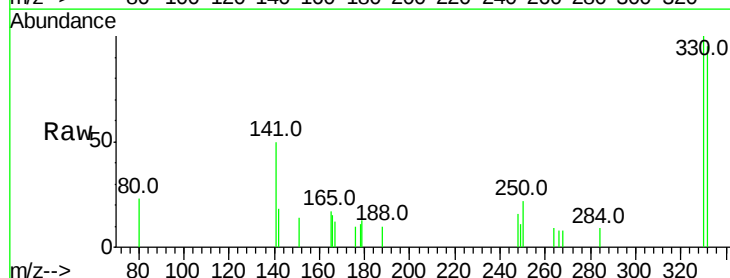
Tgt Ion:330 Resp: 815

Ion Ratio Lower Upper

330 100

332 96.4 152.7 229.1#

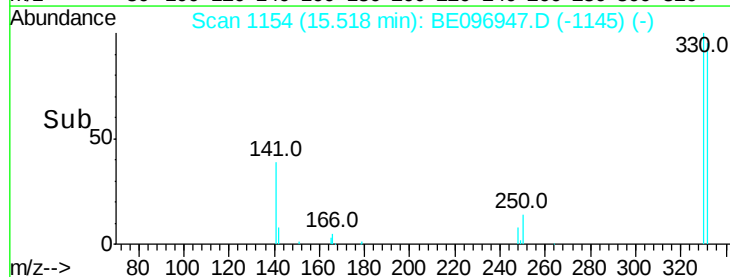
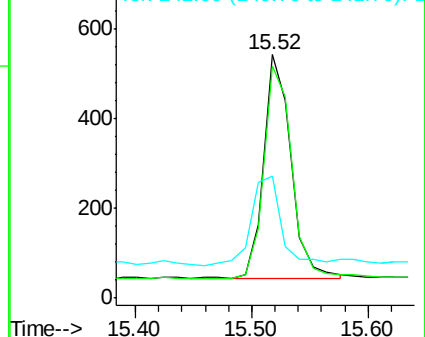
141 45.5 33.7 50.5

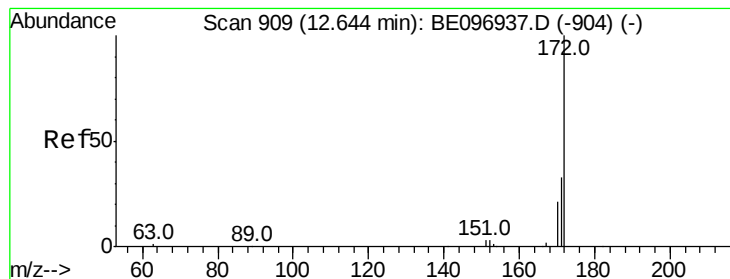


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.456 ng

RT: 12.63 min Scan# 908

Delta R.T. -0.01 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

Instrument :

BNA_E

ClientSampleId :

KY038PS027-180709

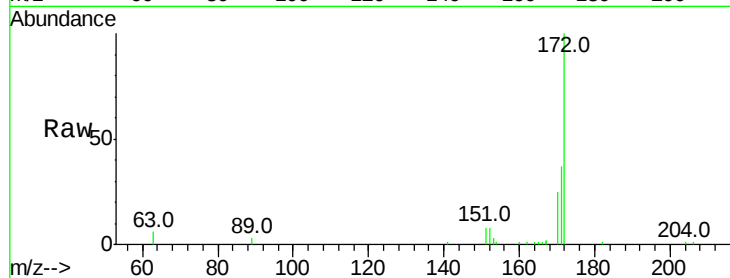
Tot Ion:172 Resp: 9774

Ion Ratio Lower Upper

172 100

171 36.7 29.9 44.9

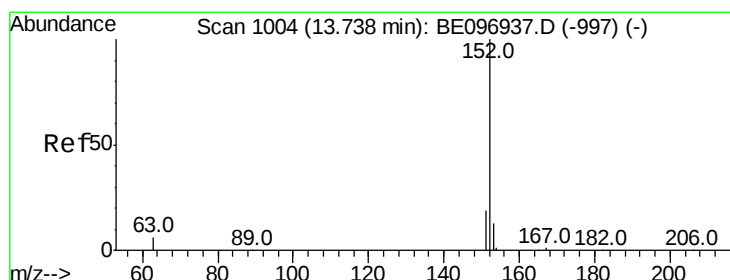
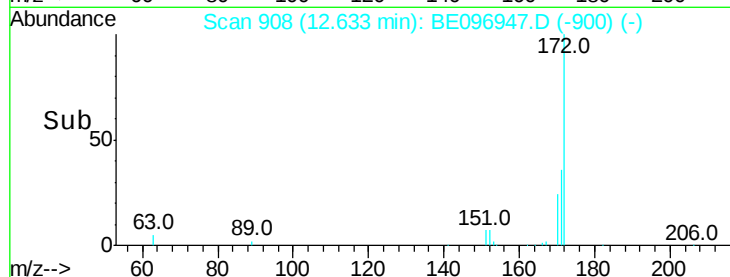
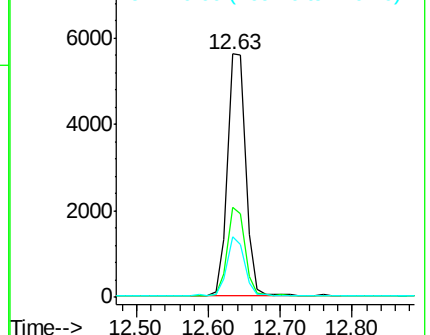
170 25.1 21.8 32.8



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: 0.003 ng

RT: 13.74 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

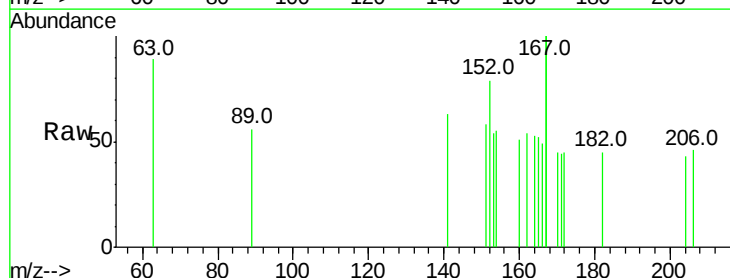
Tgt Ion:152 Resp: 70

Ion Ratio Lower Upper

152 100

151 51.4 15.7 23.5#

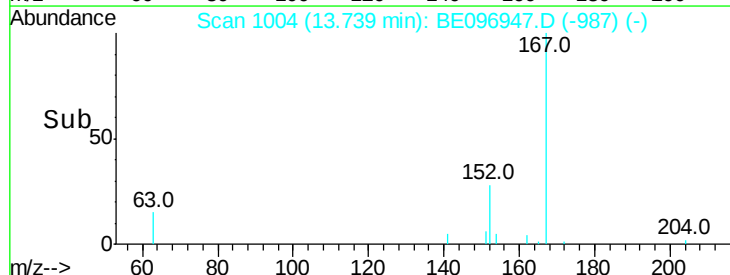
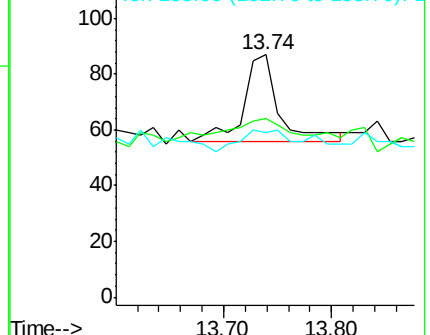
153 37.1 10.5 15.7#

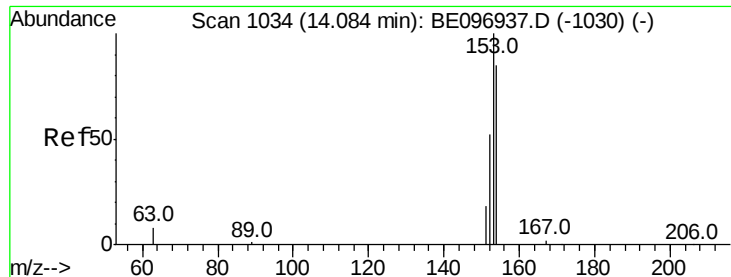


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

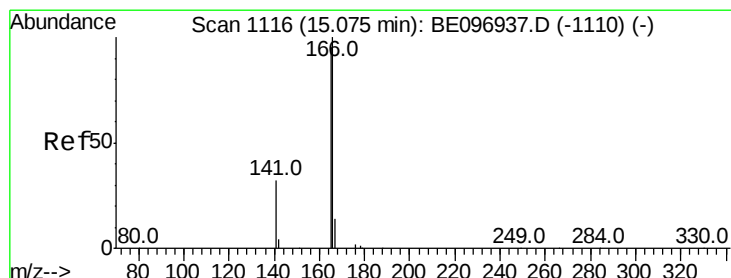
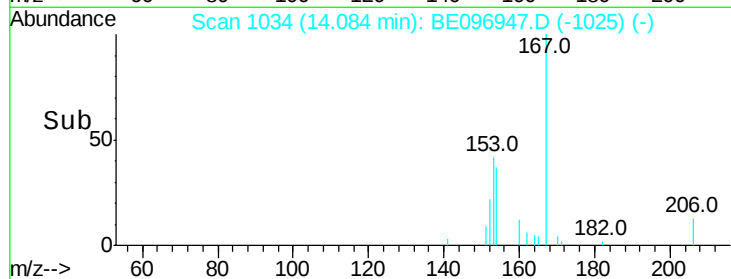
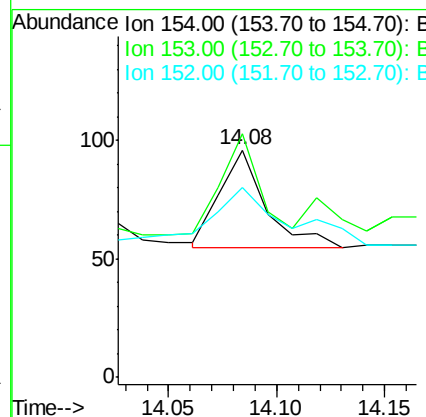
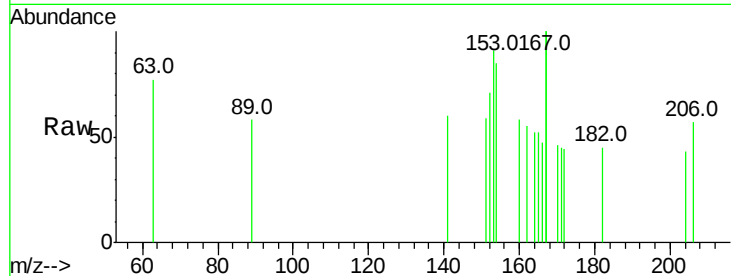




#17
Acenaphthene
Concen: 0.004 ng
RT: 14.08 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BE096947.D
Acq: 16 Jul 2018 20:48

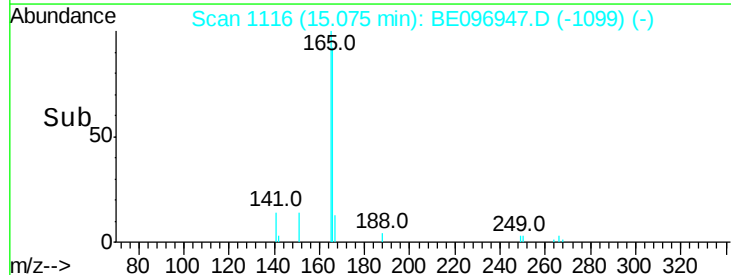
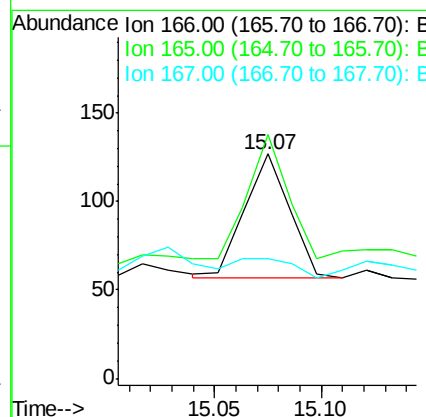
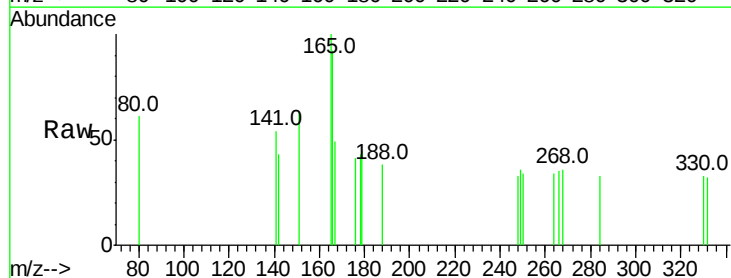
Instrument :
BNA_E
ClientSampleId :
KY038PS027-180709

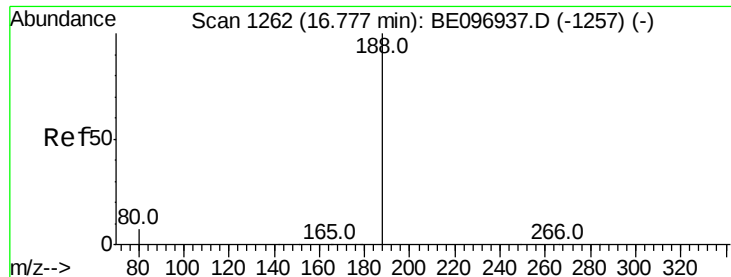
Tot Ion:154 Resp: 61
Ion Ratio Lower Upper
154 100
153 86.9 89.2 133.8#
152 96.7 42.0 63.0#



#18
Fluorene
Concen: 0.006 ng
RT: 15.07 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE096947.D
Acq: 16 Jul 2018 20:48

Tgt Ion:166 Resp: 102
Ion Ratio Lower Upper
166 100
165 111.8 77.8 116.6
167 20.6 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

Instrument :

BNA_E

ClientSampleId :

KY038PS027-180709

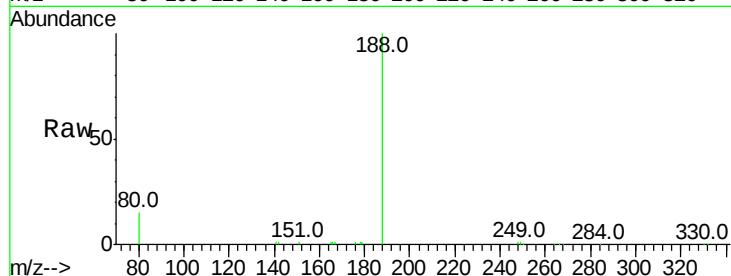
Tot Ion:188 Resp: 16747

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

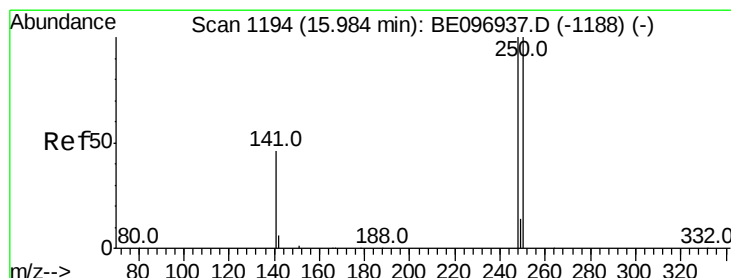
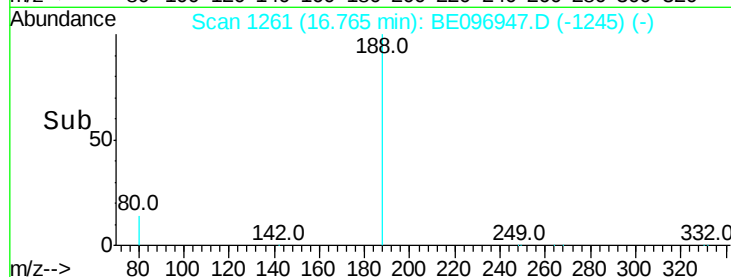
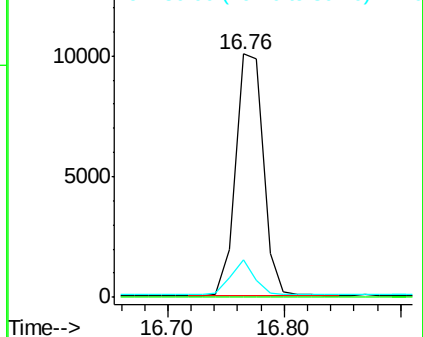
80 15.4 3.6 5.4#



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: 0.003 ng

RT: 15.97 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

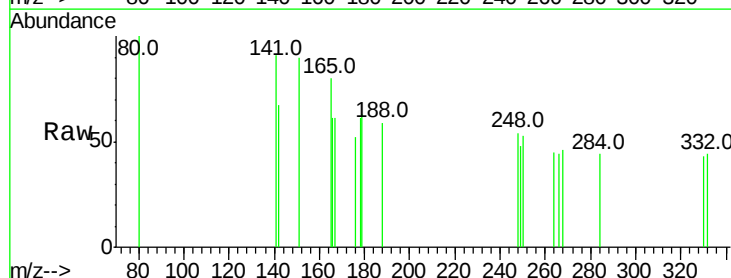
Tgt Ion:248 Resp: 21

Ion Ratio Lower Upper

248 100

250 98.2 62.7 94.1#

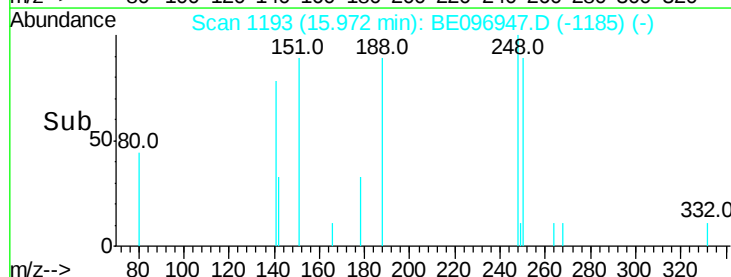
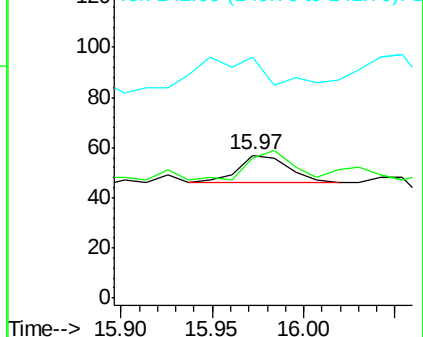
141 168.4 48.2 72.2#



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: 0.003 ng

RT: 16.08 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

Instrument :

BNA_E

ClientSampleId :

KY038PS027-180709

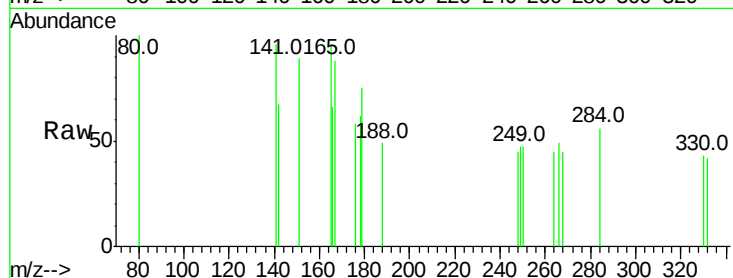
Tot Ion:284 Resp: 24

Ion Ratio Lower Upper

284 100

142 112.5 22.1 33.1#

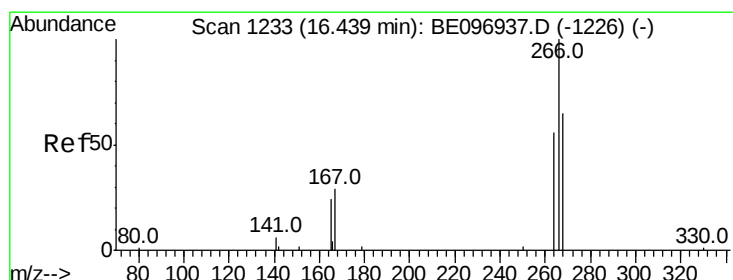
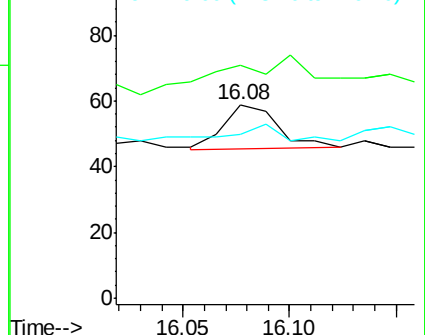
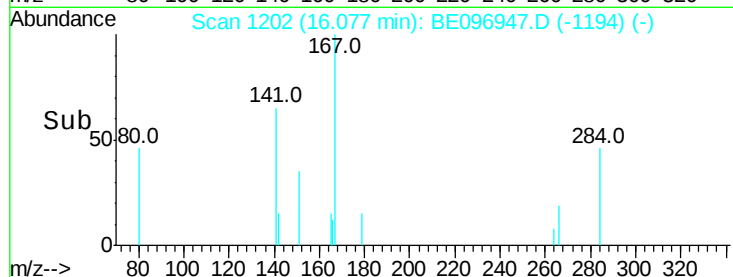
249 33.3 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: Below Cal

RT: 16.43 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

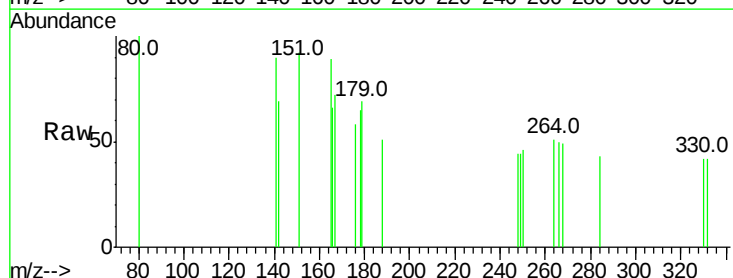
Tgt Ion:266 Resp: 22

Ion Ratio Lower Upper

266 100

264 101.9 72.5 108.7

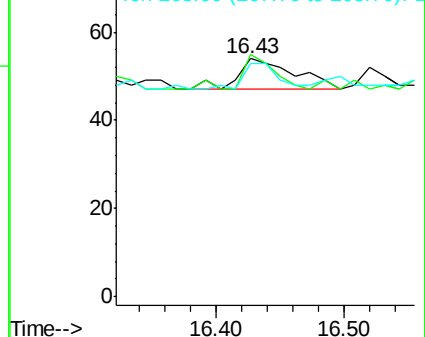
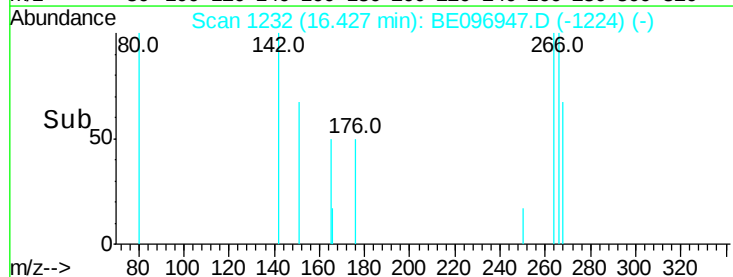
268 98.1 73.8 110.6



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.014 ng

RT: 16.81 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

Instrument :

BNA_E

ClientSampleId :

KY038PS027-180709

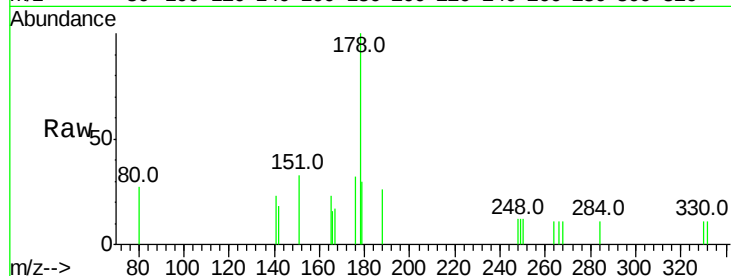
Tot Ion:178 Resp: 550

Ion Ratio Lower Upper

178 100

176 24.0 15.1 22.7#

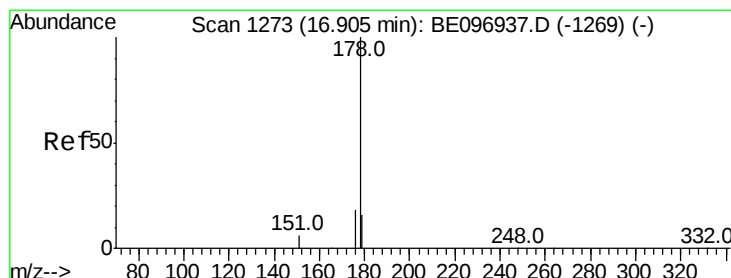
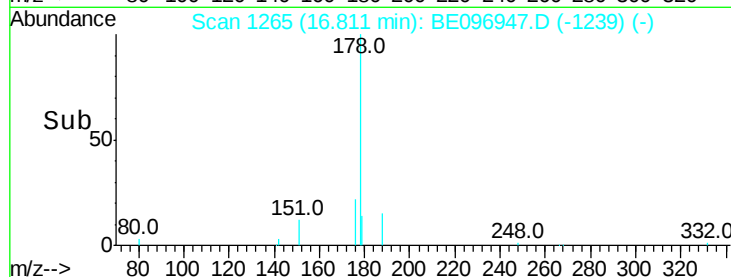
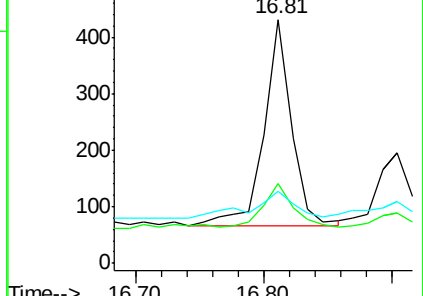
179 19.6 11.8 17.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.006 ng

RT: 16.90 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

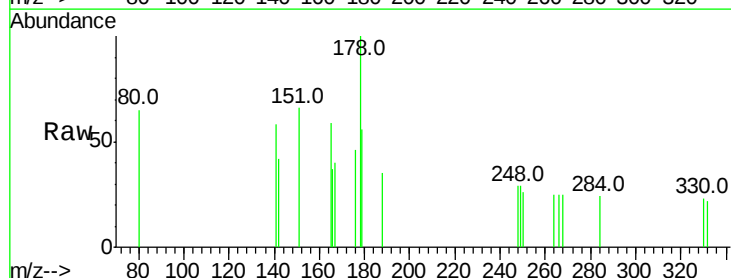
Tgt Ion:178 Resp: 200

Ion Ratio Lower Upper

178 100

176 23.5 12.8 19.2#

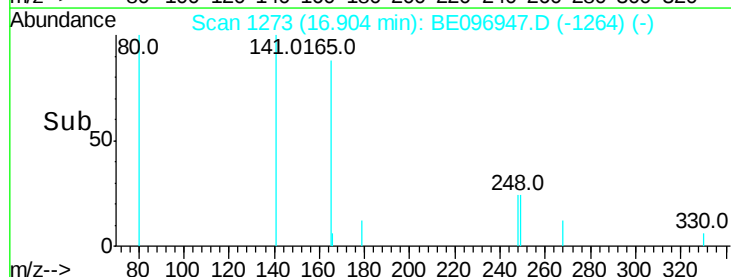
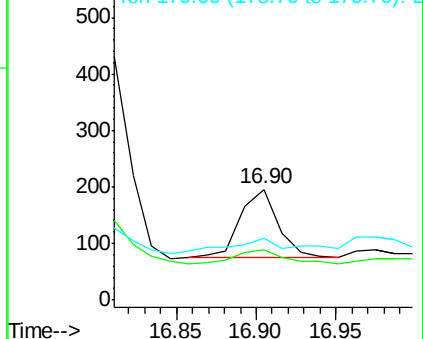
179 33.0 13.0 19.6#

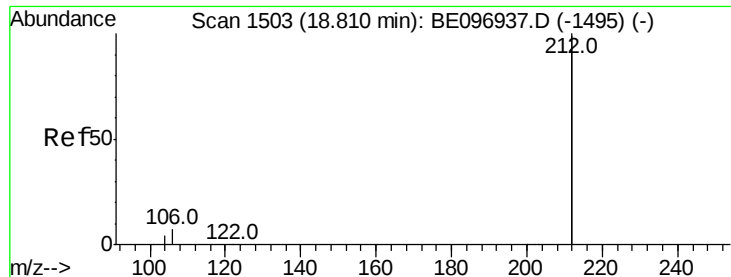


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.515 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

Instrument :

BNA_E

ClientSampleId :

KY038PS027-180709

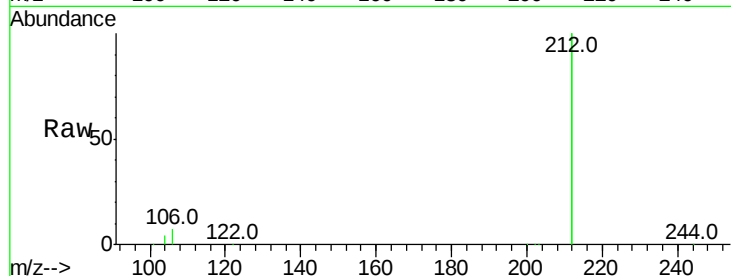
Tot Ion:212 Resp: 75100

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

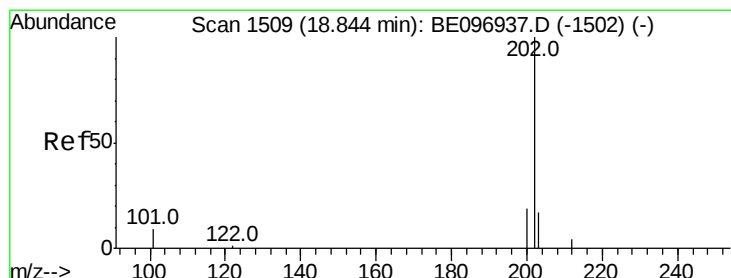
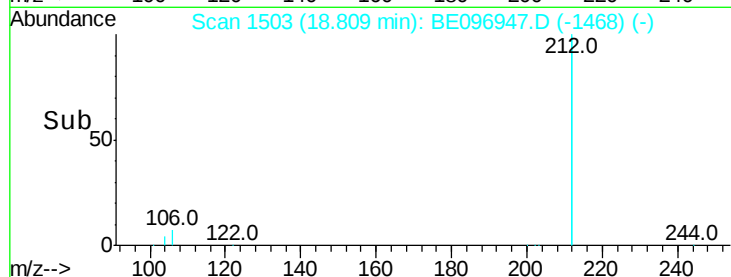
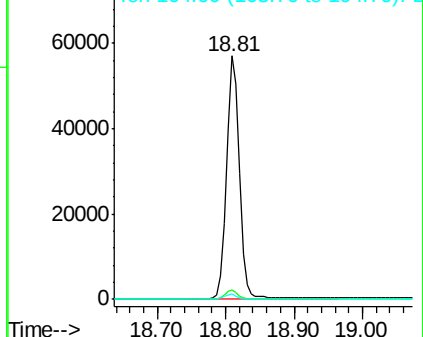
104 1.9 1.6 2.4



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: 0.007 ng

RT: 18.84 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

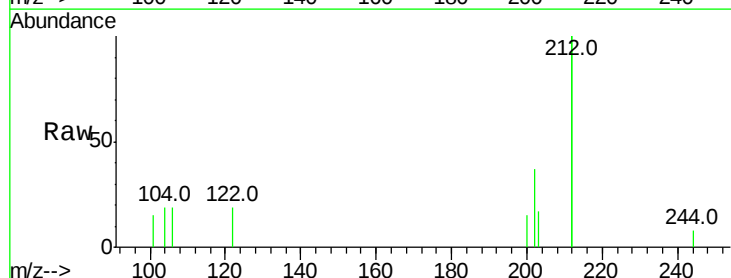
Tgt Ion:202 Resp: 282

Ion Ratio Lower Upper

202 100

101 7.1 9.8 14.8#

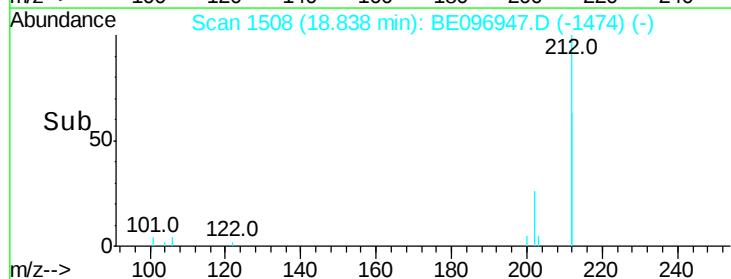
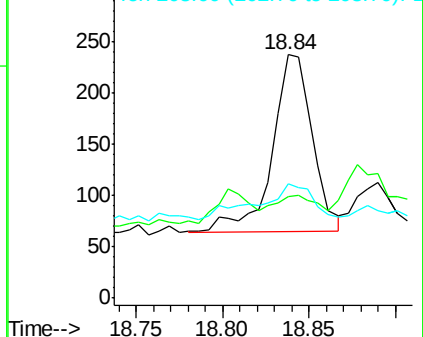
203 27.0 13.7 20.5#



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

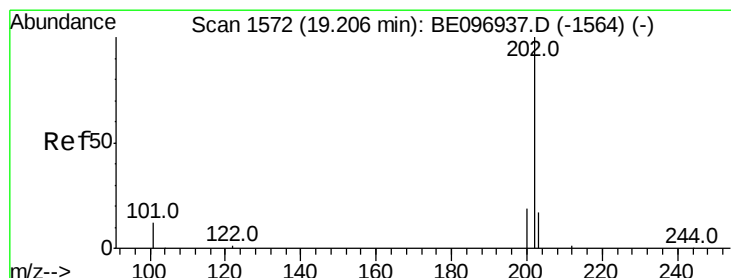
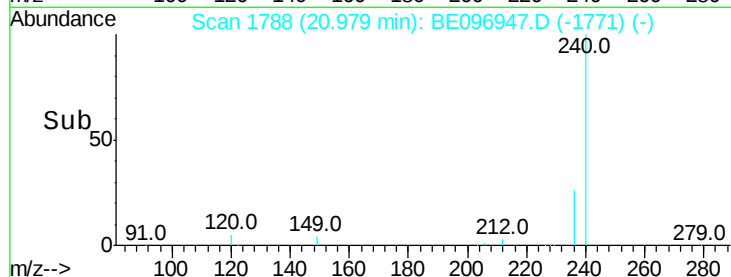
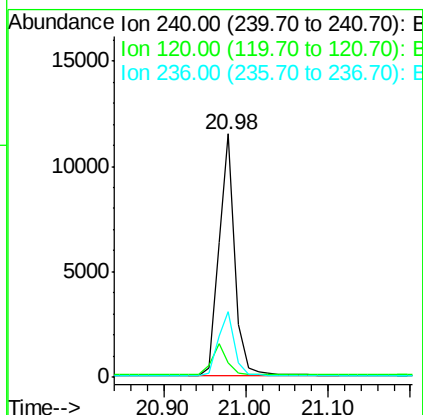
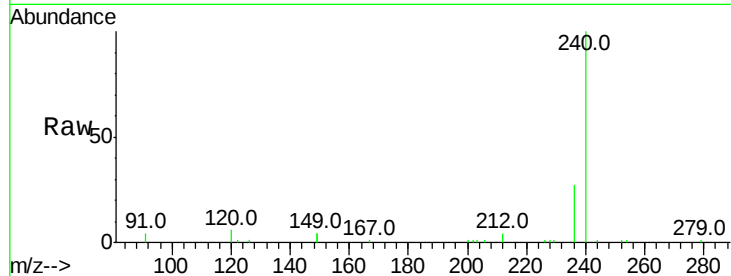




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: BE096947.D
 Acq: 16 Jul 2018 20:48

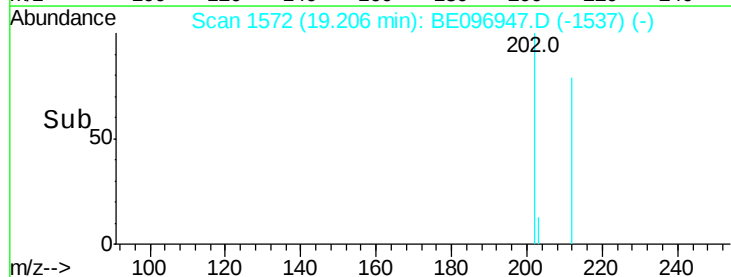
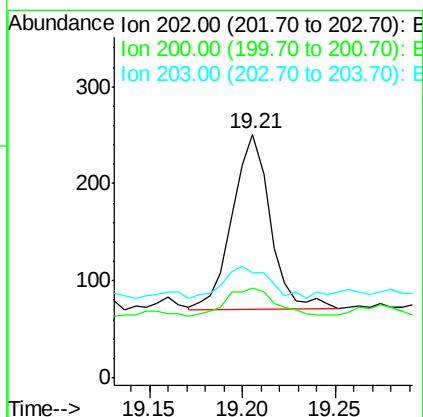
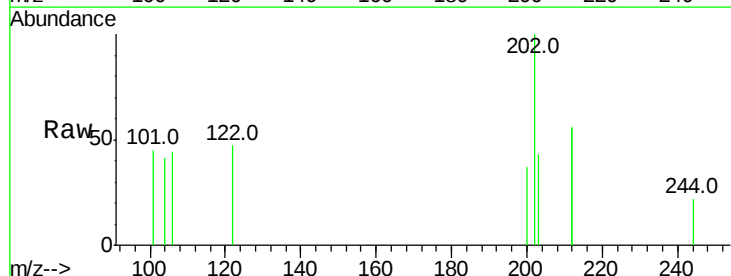
Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-180709

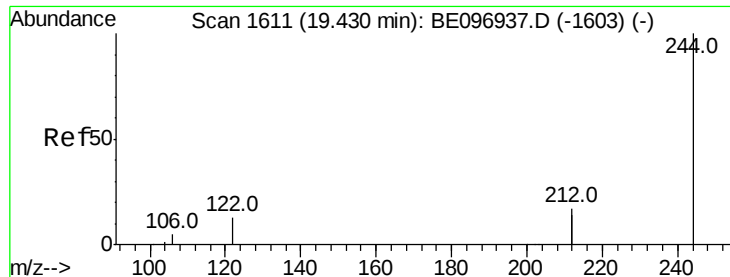
Tot Ion:240 Resp: 15732
 Ion Ratio Lower Upper
 240 100
 120 5.8 5.5 8.3
 236 26.8 20.7 31.1



#28
 Pyrene
 Concen: 0.006 ng
 RT: 19.21 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BE096947.D
 Acq: 16 Jul 2018 20:48

Tgt Ion:202 Resp: 258
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.6 25.0
 203 20.9 13.8 20.8#





#29

Terphenyl-d14

Concen: 0.774 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

Instrument :

BNA_E

ClientSampleId :

KY038PS027-180709

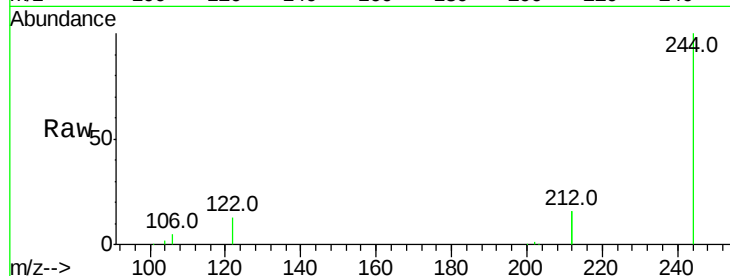
Tot Ion:244 Resp: 23478

Ion Ratio Lower Upper

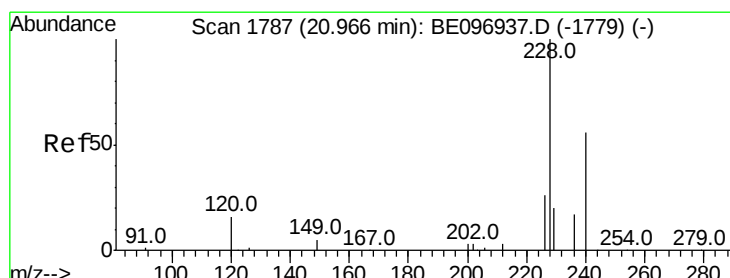
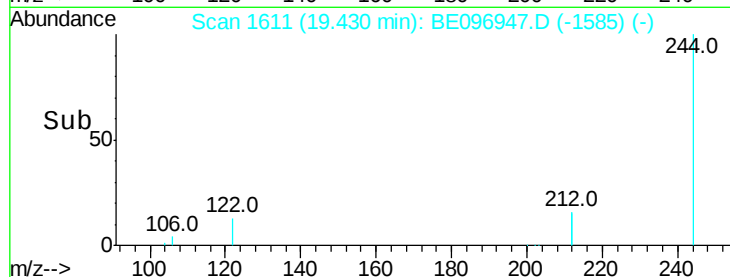
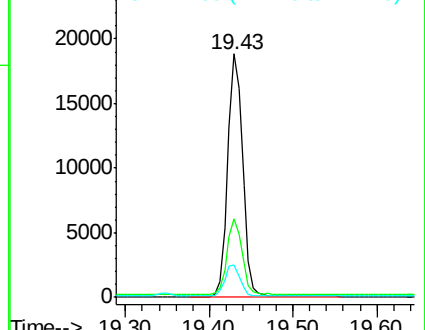
244 100

212 32.1 25.4 38.0

122 13.3 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: 0.005 ng

RT: 20.97 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

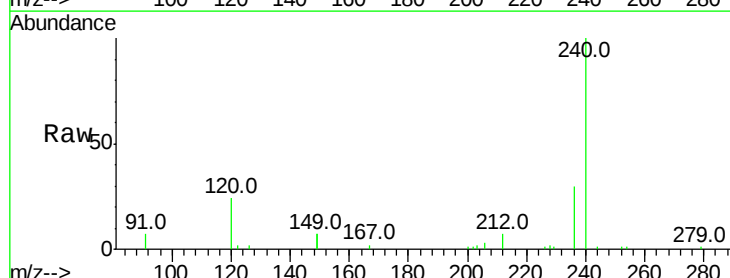
Tgt Ion:228 Resp: 198

Ion Ratio Lower Upper

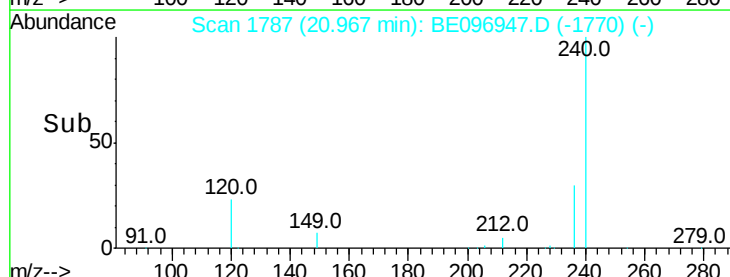
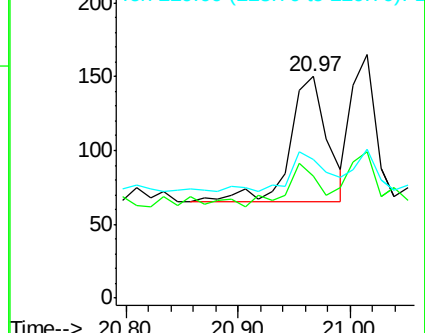
228 100

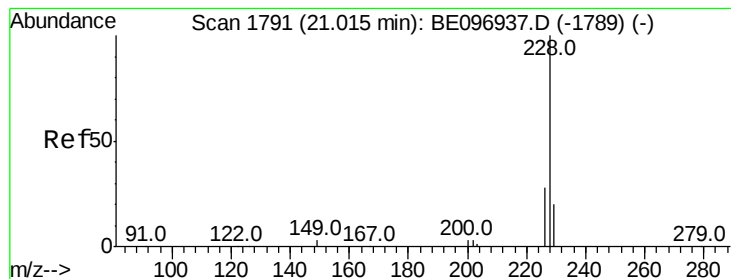
226 55.3 24.0 36.0#

229 62.7 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: 0.004 ng

RT: 21.02 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

Instrument :

BNA_E

ClientSampleId :

KY038PS027-180709

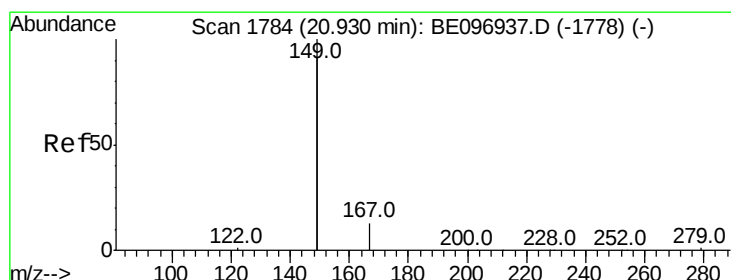
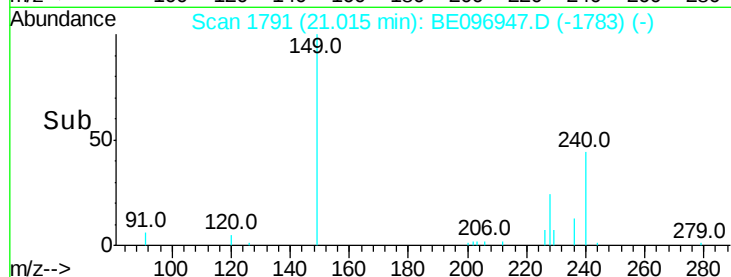
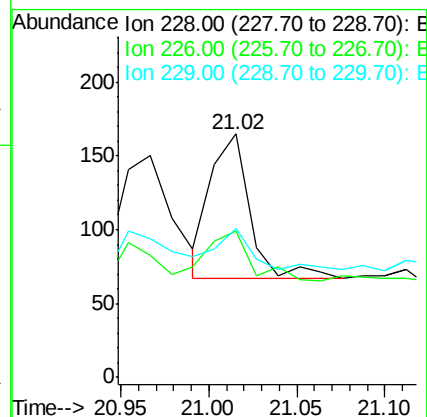
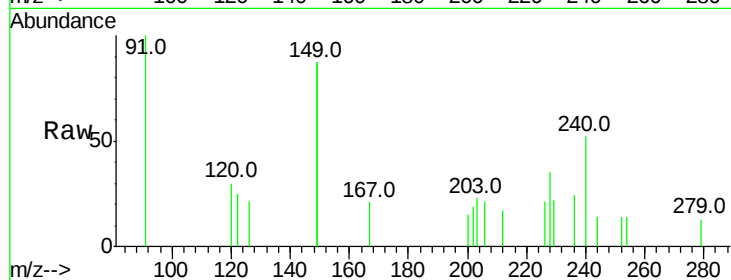
Tot Ion:228 Resp: 152

Ion Ratio Lower Upper

228 100

226 60.0 24.0 36.0#

229 61.2 16.0 24.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.263 ng

RT: 20.93 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

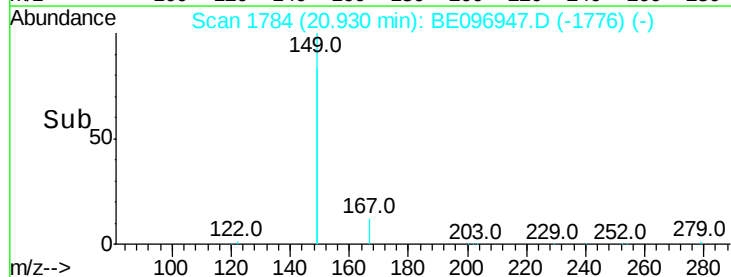
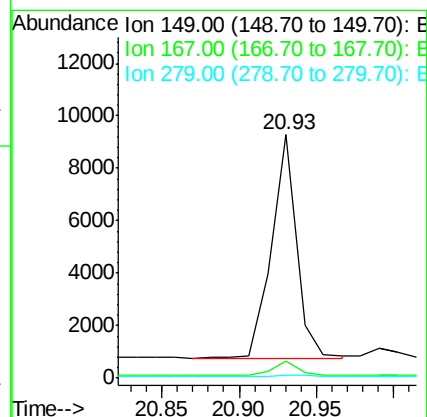
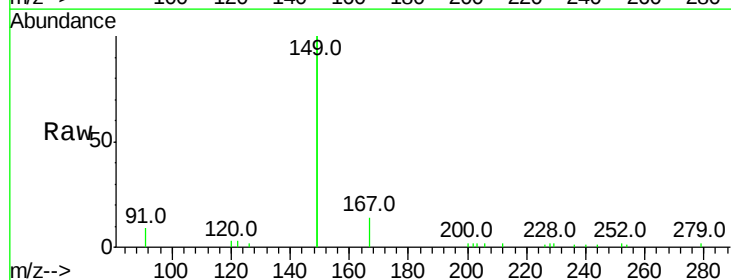
Tgt Ion:149 Resp: 9839

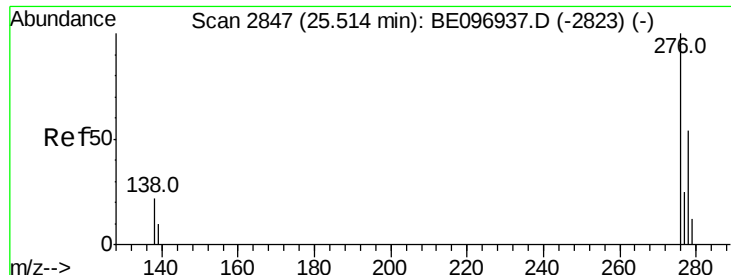
Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

279 0.9 0.7 1.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.001 ng

RT: 25.50 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

Instrument :

BNA_E

ClientSampleId :

KY038PS027-180709

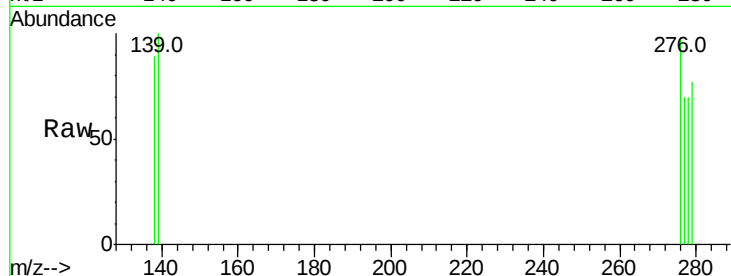
Tot Ion:276 Resp: 45

Ion Ratio Lower Upper

276 100

138 2.2 22.5 33.7#

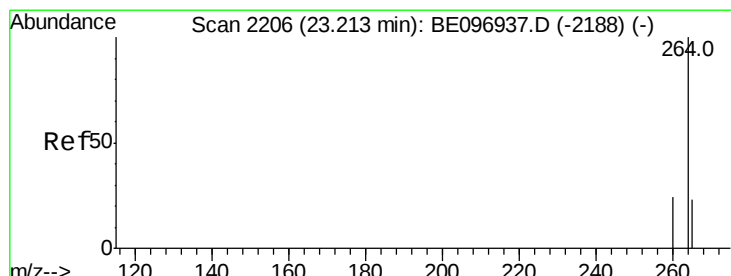
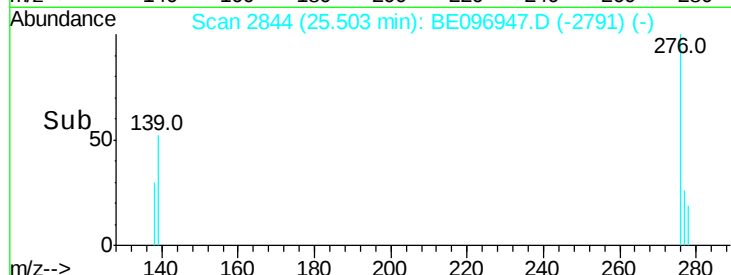
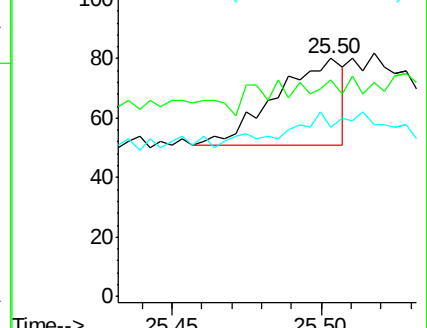
277 11.1 19.9 29.9#



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# 2205

Delta R.T. -0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

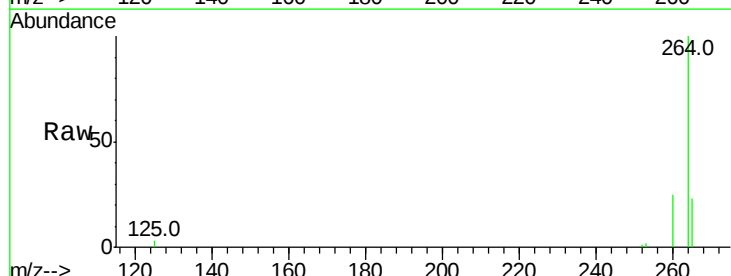
Tgt Ion:264 Resp: 15879

Ion Ratio Lower Upper

264 100

260 25.5 20.5 30.7

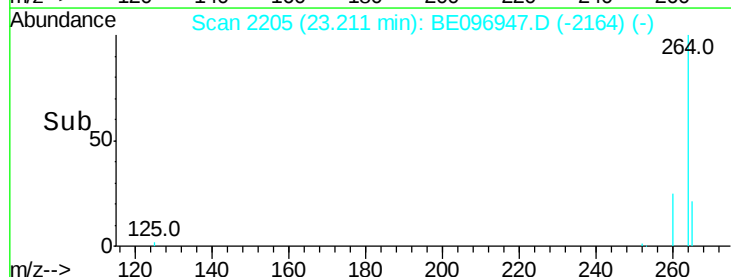
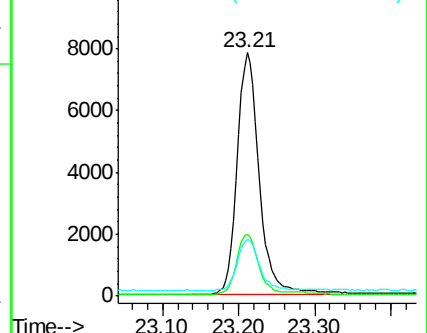
265 23.2 22.8 34.2

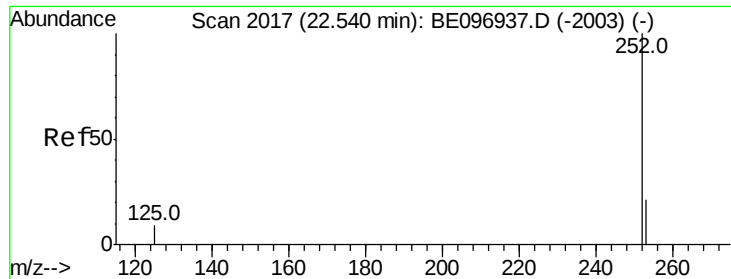


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.004 ng

RT: 22.54 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

Instrument :

BNA_E

ClientSampleId :

KY038PS027-180709

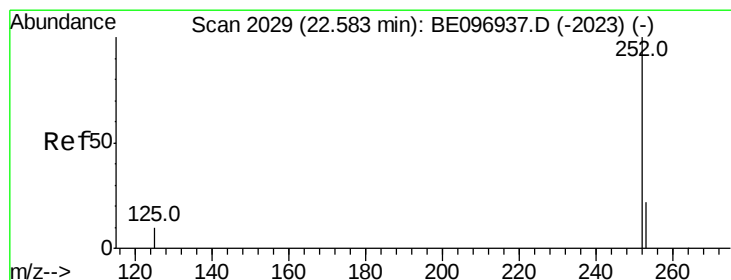
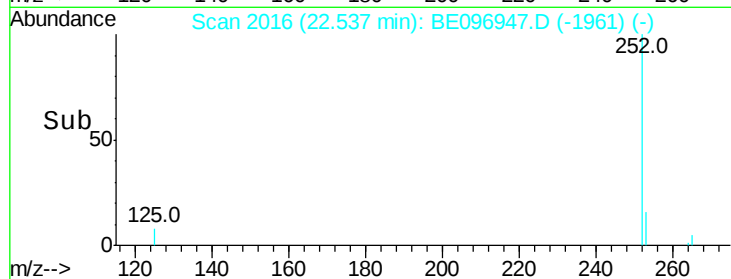
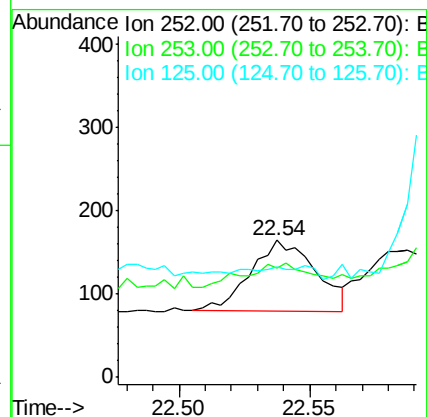
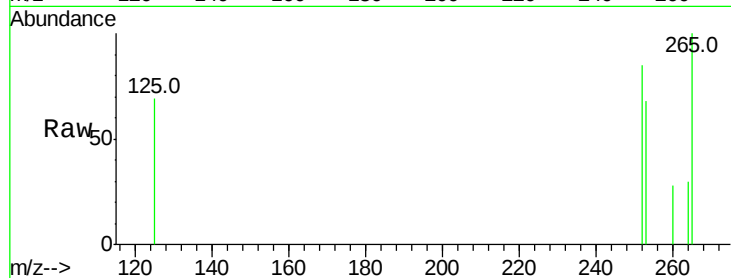
Tot Ion:252 Resp: 145

Ion Ratio Lower Upper

252 100

253 79.9 20.0 30.0#

125 81.1 16.0 24.0#



#36

Benzo(k)fluoranthene

Concen: 0.004 ng

RT: 22.59 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

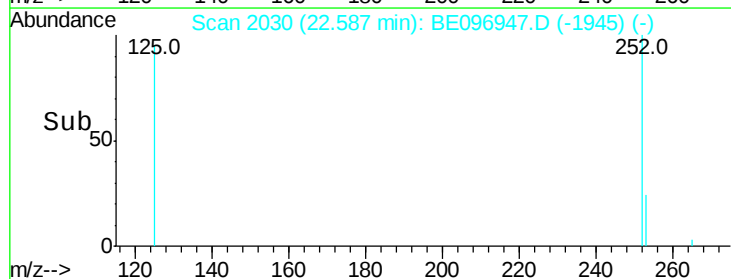
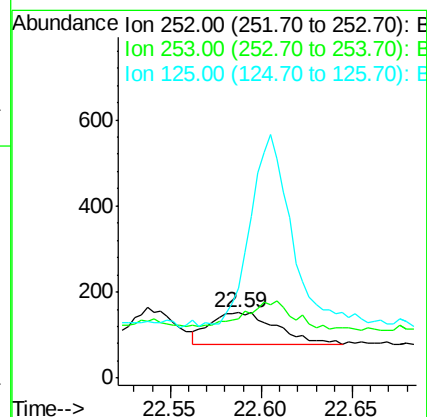
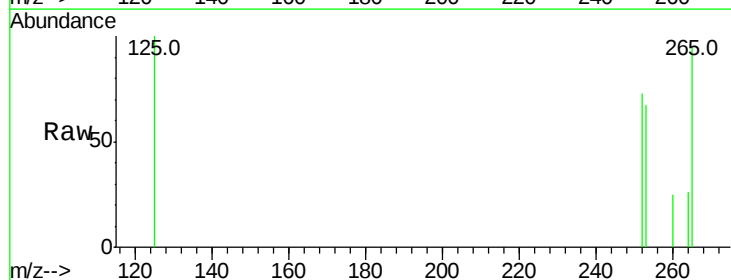
Tgt Ion:252 Resp: 190

Ion Ratio Lower Upper

252 100

253 91.4 16.0 24.0#

125 136.8 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.103 ng

RT: 23.11 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

Instrument :

BNA_E

ClientSampleId :

KY038PS027-180709

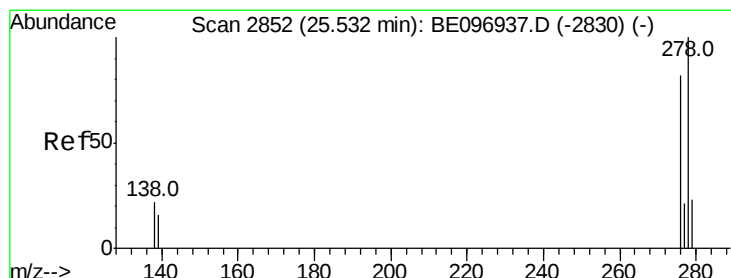
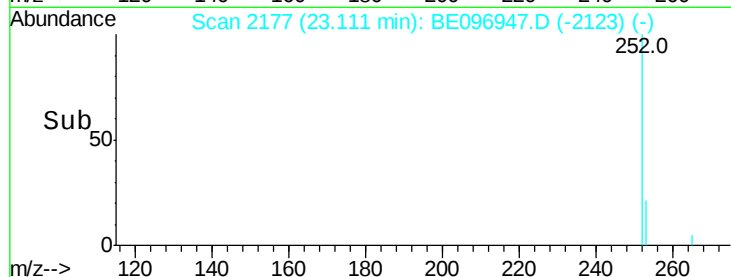
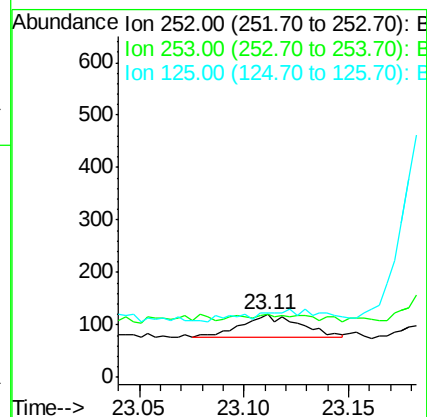
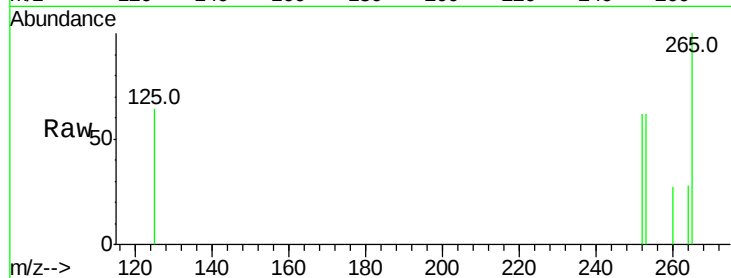
Tot Ion:252 Resp: 83

Ion Ratio Lower Upper

252 100

253 100.0 16.0 24.0#

125 103.3 12.0 18.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.118 ng

RT: 25.52 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE096947.D

Acq: 16 Jul 2018 20:48

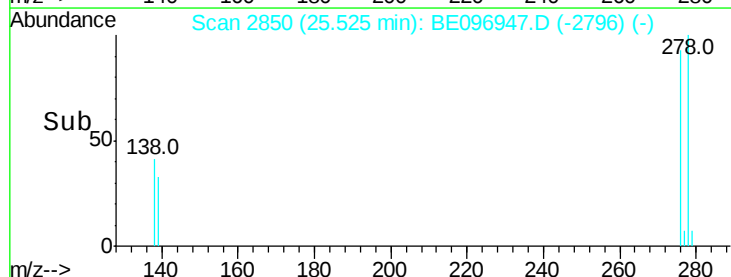
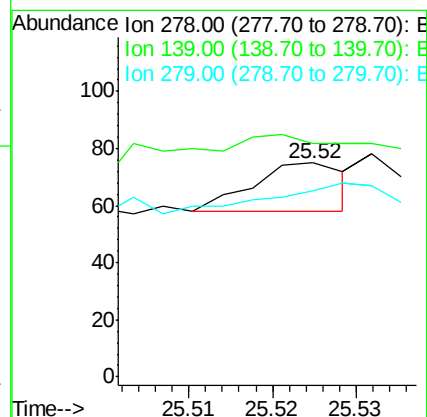
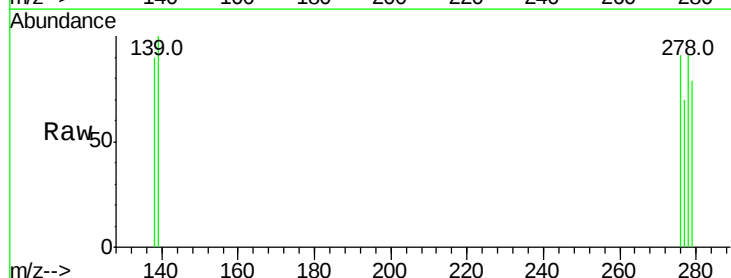
Tgt Ion:278 Resp: 13

Ion Ratio Lower Upper

278 100

139 109.3 16.0 24.0#

279 86.7 20.0 30.0#





#39

Benzo(a,h,i)perylene

Concen: 0.004 ng

RT: 26.21 min Scan# 3042

Delta R.T. -0.00 min

Lab File: BE096947.D

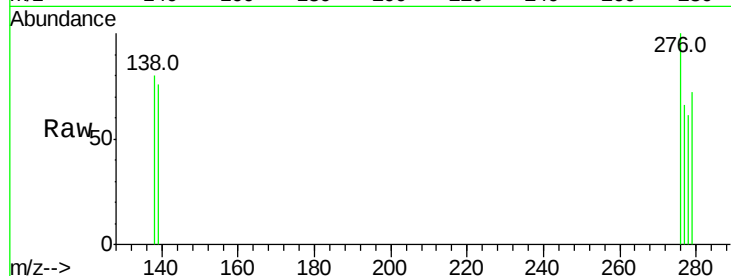
Acq: 16 Jul 2018 20:48

Instrument :

BNA_E

ClientSampleId :

KY038PS027-180709



Tot Ion: 276 Resp: 118

Ion Ratio Lower Upper

276 100

277 65.5 16.0 24.0#

138 80.5 20.0 30.0#

