

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE073118\
 Data File : BE097119.D
 Acq On : 31 Jul 2018 13:02
 Operator : SJ/JU
 Sample : J4211-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LW-06-072618

Quant Time: Jul 31 13:49:33 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 31 10:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1471	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	7476	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4594	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	12806	0.40	ng	0.00
27) Chrysene-d12	20.98	240	14641	0.40	ng	0.00
34) Perylene-d12	23.21	264	14027	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.07	112	750	0.18	ng	0.01
5) Phenol-d6	6.61	99	642	0.11	ng	0.01
8) Nitrobenzene-d5	8.53	82	2700	0.42	ng	0.01
11) 2-Methylnaphthalene-d10	11.73	152	4021	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	739	0.49	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	6473	0.41	ng	0.00
25) Fluoranthene-d10	18.81	212	59840	0.47	ng	0.00
29) Terphenyl-d14	19.43	244	14095	0.50	ng	0.00

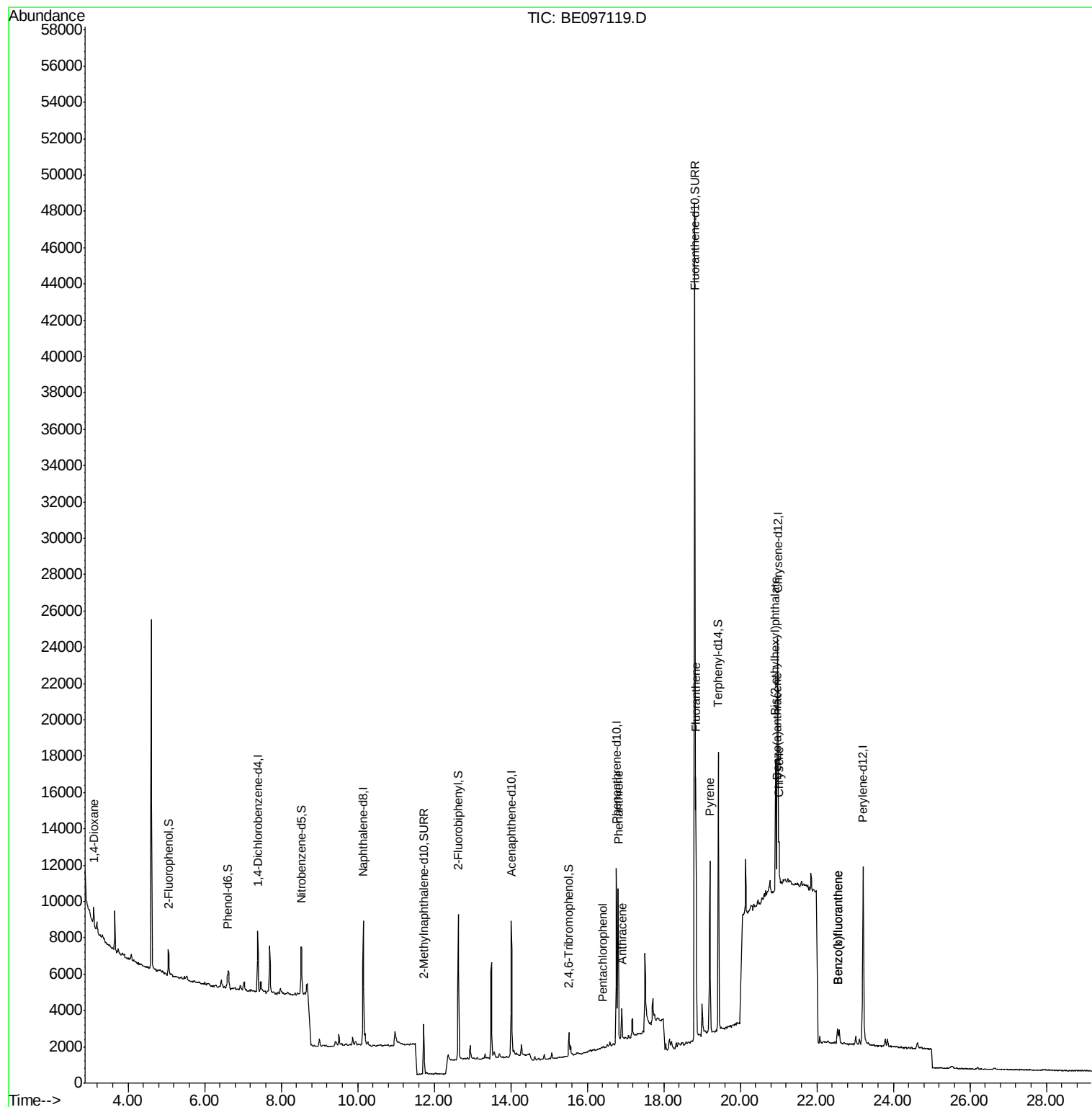
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	495	0.212	ng	# 60
22) Pentachlorophenol	16.42	266	33	0.056	ng	95
23) Phenanthrene	16.81	178	9308	0.305	ng	97
24) Anthracene	16.91	178	2036	0.075	ng	# 90
26) Fluoranthene	18.84	202	12439	0.363	ng	# 94
28) Pyrene	19.20	202	8967	0.223	ng	# 95
30) Benzo(a)anthracene	20.95	228	2459	0.068	ng	# 75
31) Chrysene	21.02	228	2510	0.064	ng	# 72
32) Bis(2-ethylhexyl)phthalate	20.92	149	11734	0.308	ng	# 98
35) Benzo(b)fluoranthene	22.54	252	1431	0.040	ng	# 31
36) Benzo(k)fluoranthene	22.54	252	1431	0.034	ng	# 3

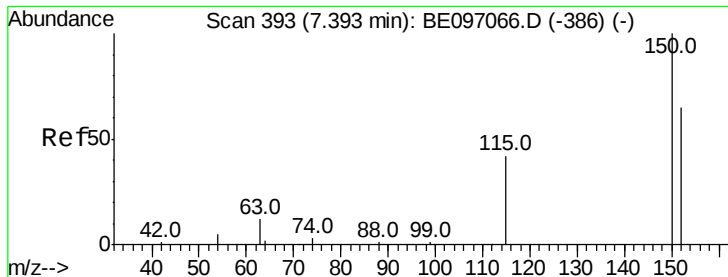
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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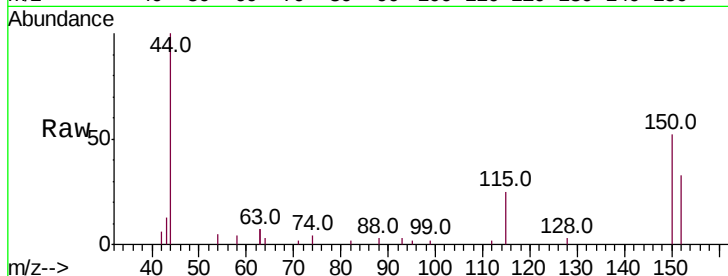


#1

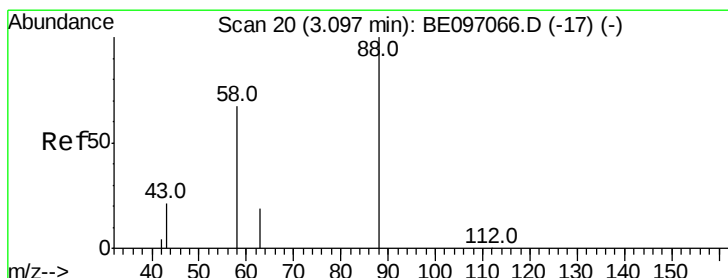
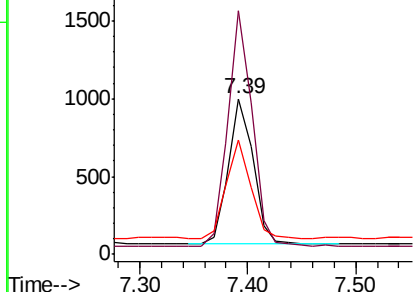
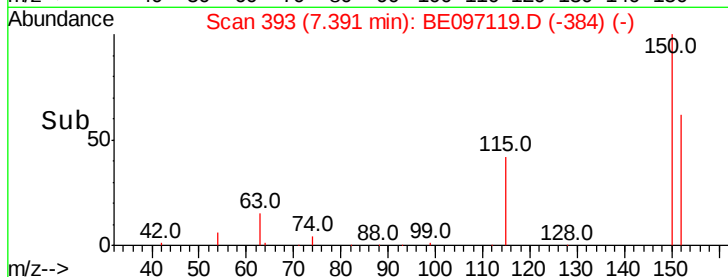
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097119.D
Acq: 31 Jul 2018 13:02

Instrument :
BNA_E
ClientSampleId :
LW-06-072618

Tot Ion:152 Resp: 1471
Ion Ratio Lower Upper
152 100
150 156.7 117.2 175.8
115 73.4 57.0 85.6



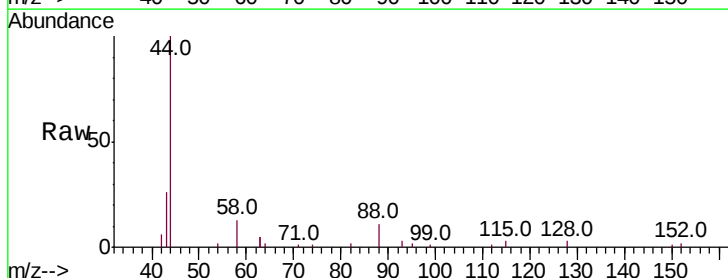
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



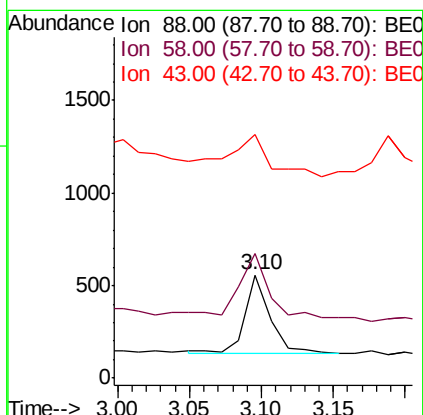
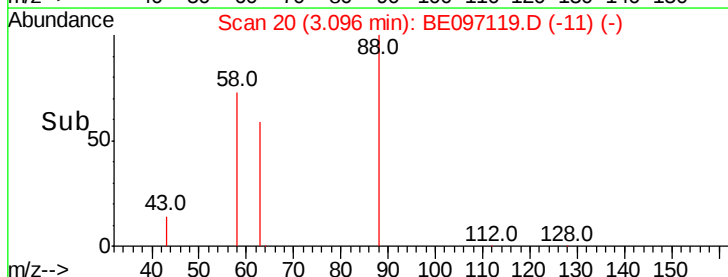
#2

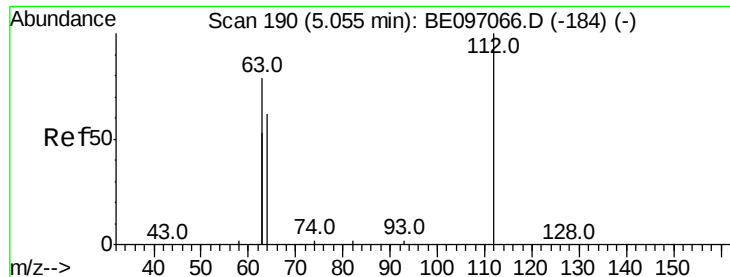
1,4-Dioxane
Concen: 0.212 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097119.D
Acq: 31 Jul 2018 13:02

Tgt Ion: 88 Resp: 495
Ion Ratio Lower Upper
88 100
58 100.8 63.2 94.8#
43 96.4 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: 0.181 ng

RT: 5.07 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

Instrument :

BNA_E

ClientSampleId :

LW-06-072618

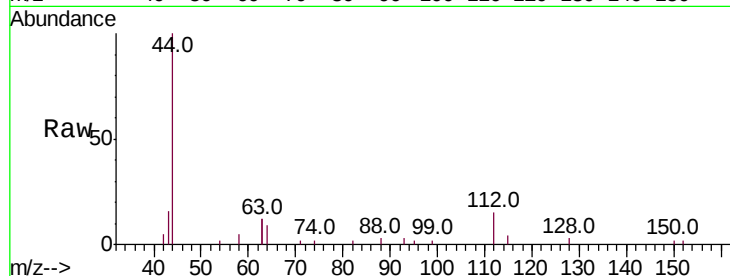
Tot Ion:112 Resp: 750

Ion Ratio Lower Upper

112 100

64 74.7 60.1 90.1

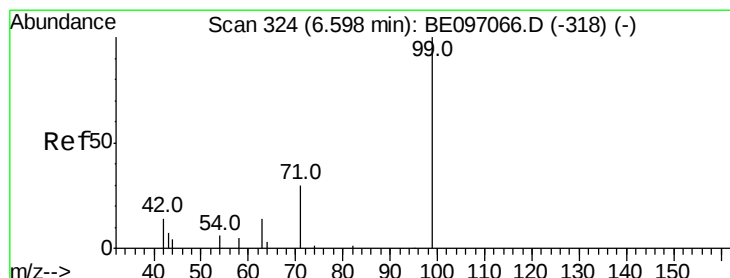
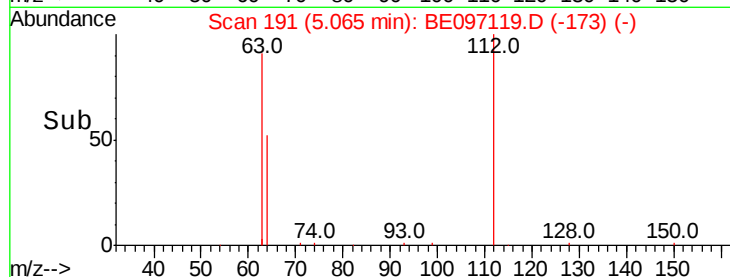
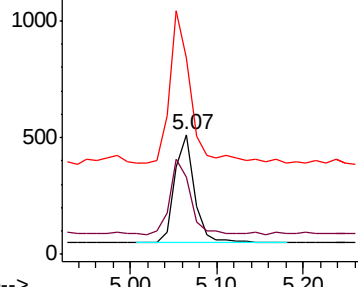
63 149.9 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.106 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

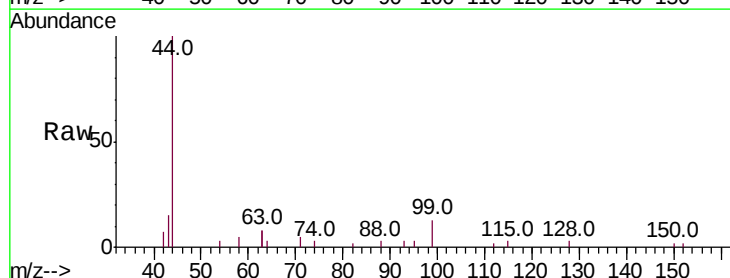
Tgt Ion: 99 Resp: 642

Ion Ratio Lower Upper

99 100

42 30.5 20.2 30.2#

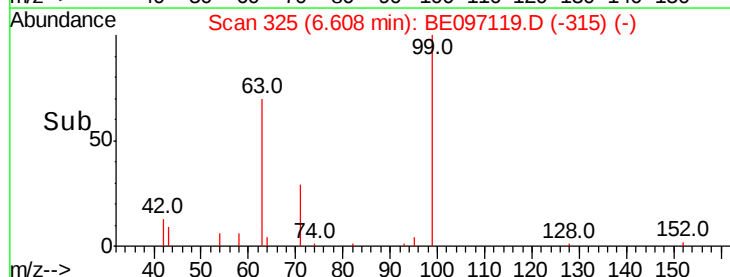
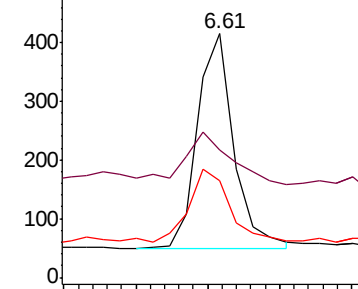
71 35.4 28.4 42.6

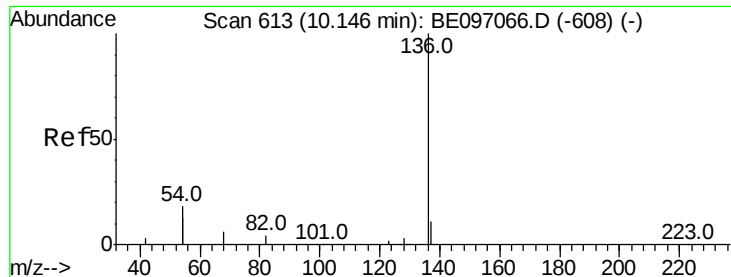


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

Instrument :

BNA_E

ClientSampleId :

LW-06-072618

Tot Ion:136 Resp: 7476

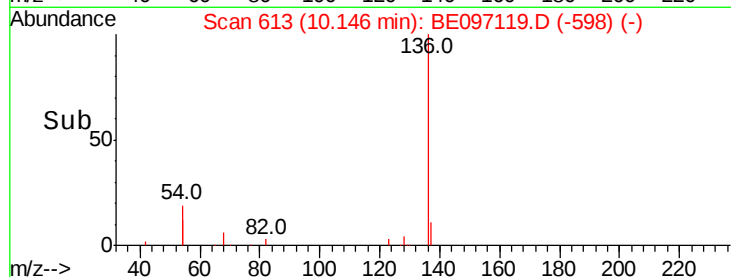
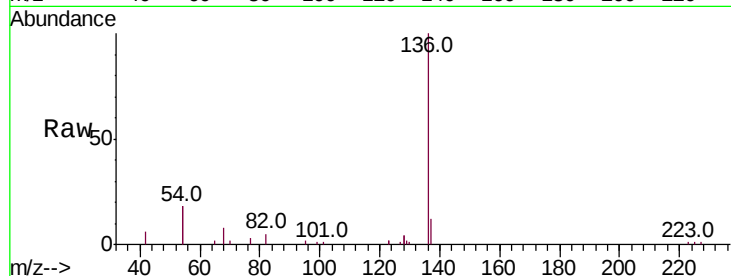
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 36.7 29.1 43.7

68 7.7 6.2 9.2

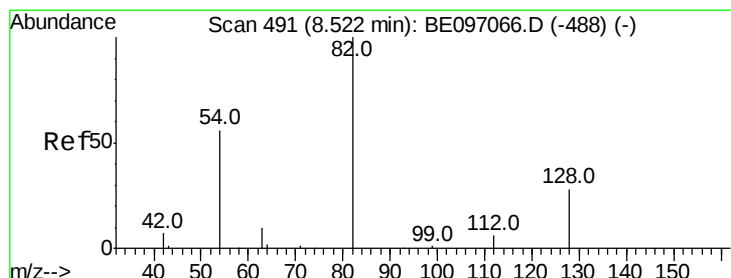
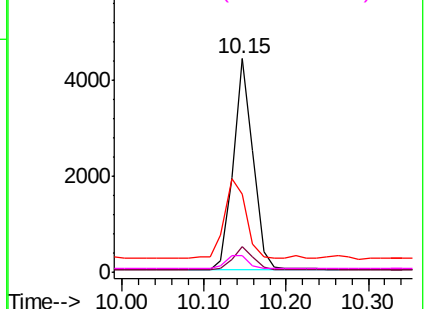


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.416 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

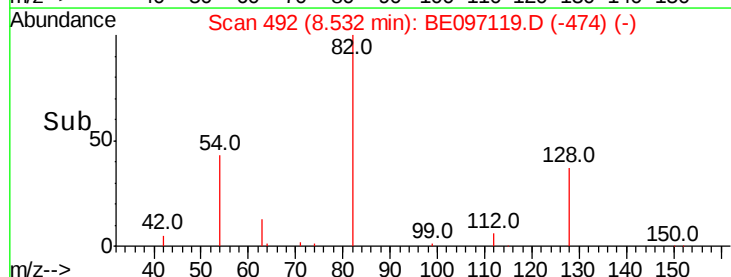
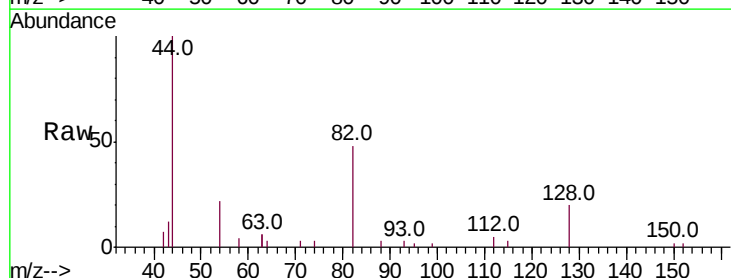
Tgt Ion: 82 Resp: 2700

Ion Ratio Lower Upper

82 100

128 40.8 24.0 36.0#

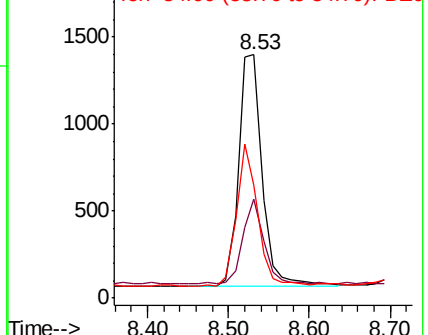
54 46.4 40.0 60.0

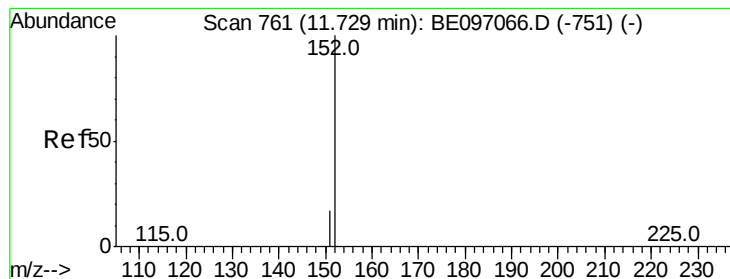


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.359 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.01 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

Instrument :

BNA_E

ClientSampleId :

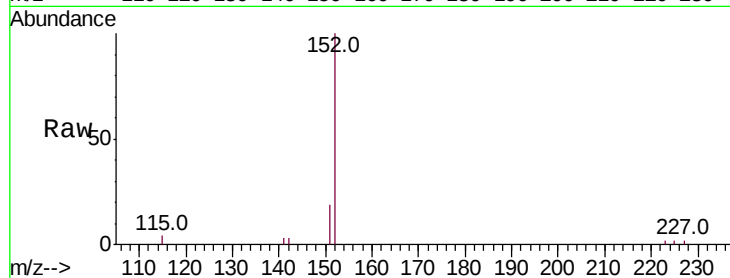
LW-06-072618

Tot Ion:152 Resp: 4021

Ion Ratio Lower Upper

152 100

151 19.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2500

2000

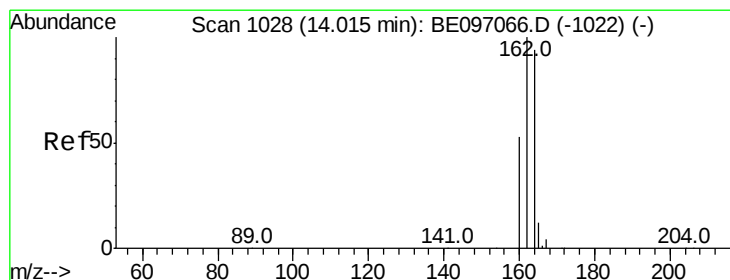
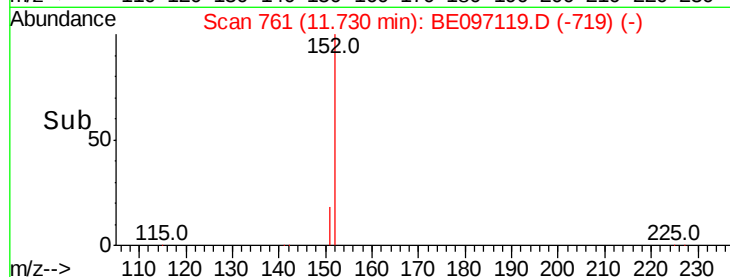
1500

1000

500

0

Time--> 11.60 11.70 11.80



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

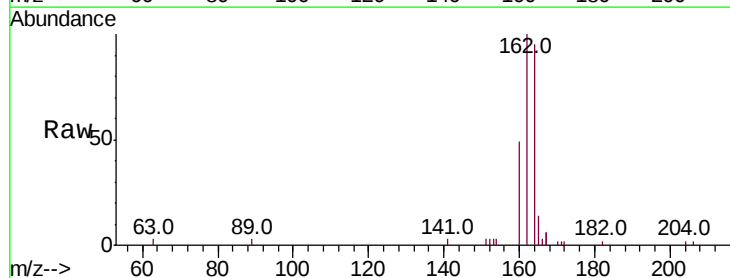
Tgt Ion:164 Resp: 4594

Ion Ratio Lower Upper

164 100

162 105.2 83.1 124.7

160 51.6 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

4000

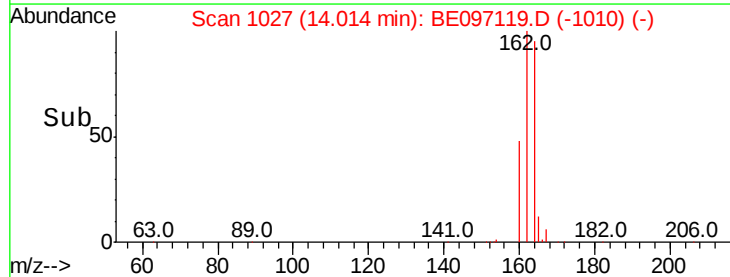
3000

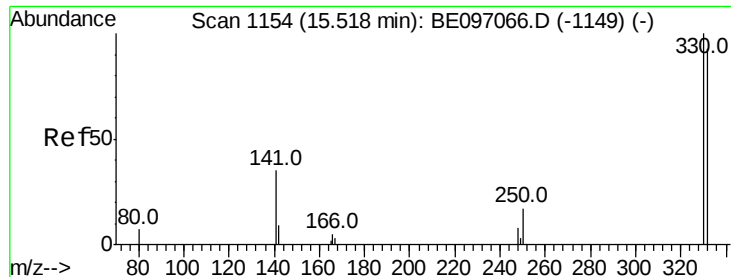
2000

1000

0

Time--> 13.90 14.00 14.10 14.20





#14

2,4,6-Tribromophenol

Concen: 0.489 ng

RT: 15.52 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

Instrument :

BNA_E

ClientSampleId :

LW-06-072618

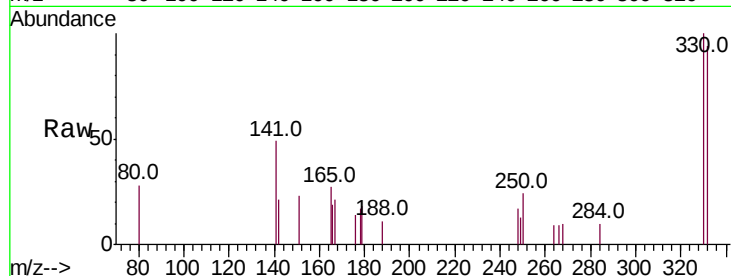
Tot Ion:330 Resp: 739

Ion Ratio Lower Upper

330 100

332 97.8 152.7 229.1#

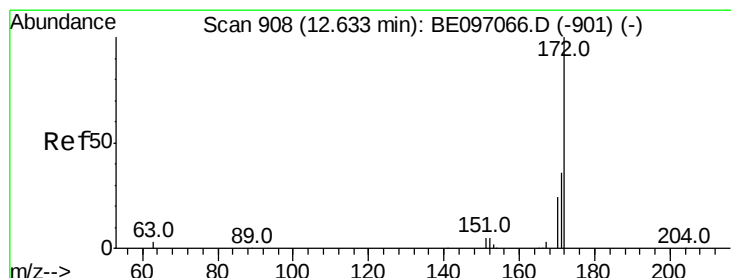
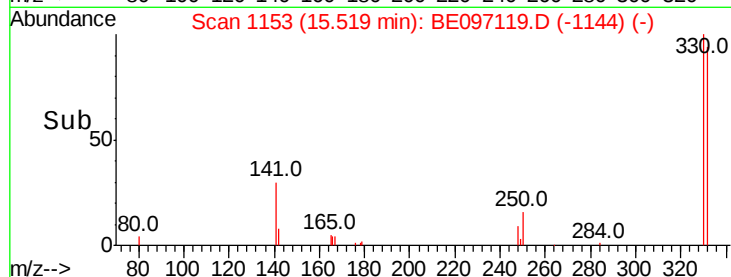
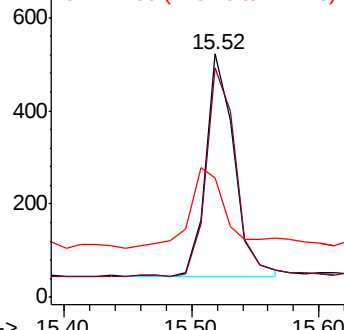
141 45.9 33.7 50.5



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: 0.408 ng

RT: 12.63 min Scan# 907

Delta R.T. -0.00 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

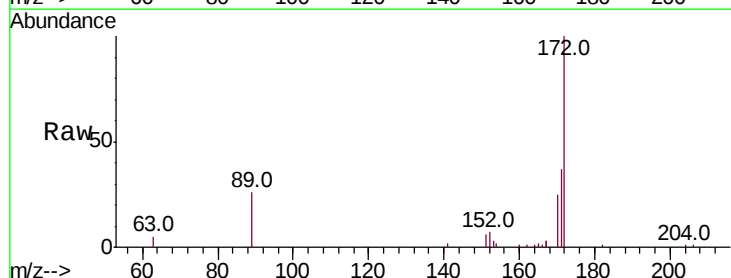
Tgt Ion:172 Resp: 6473

Ion Ratio Lower Upper

172 100

171 36.9 29.9 44.9

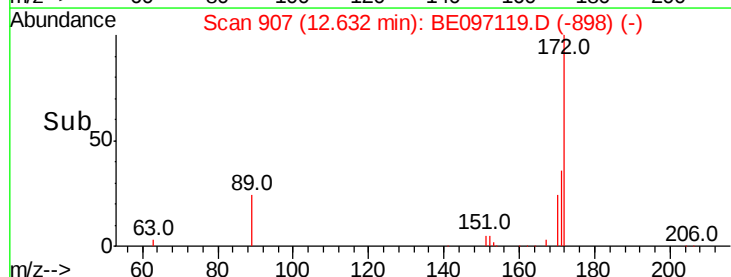
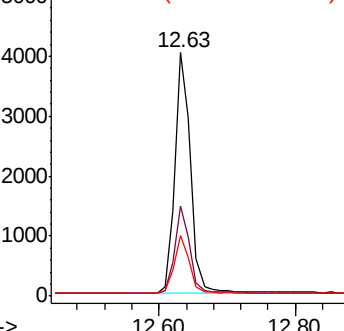
170 24.7 21.8 32.8

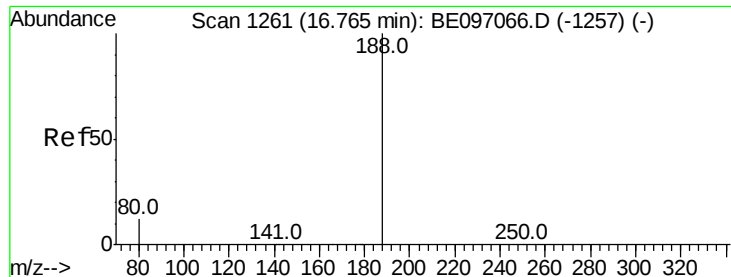


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

Instrument :

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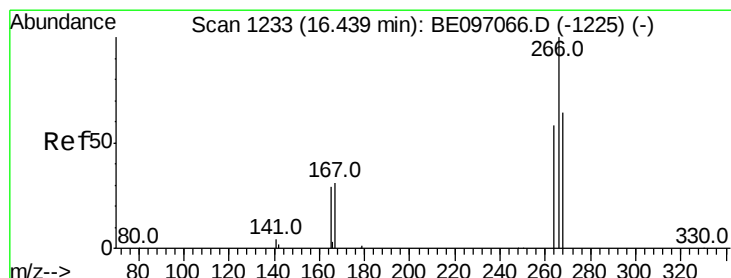
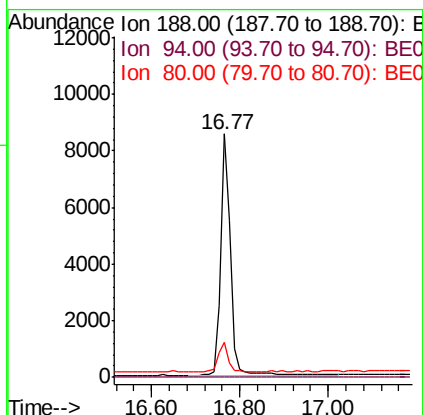
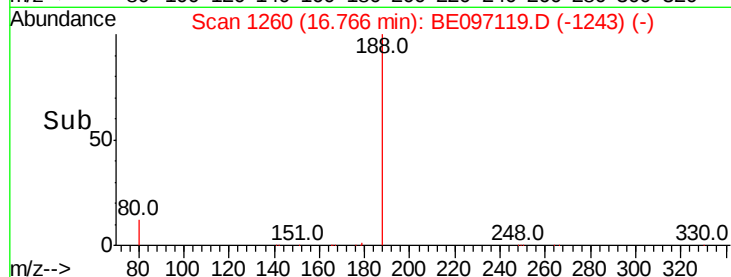
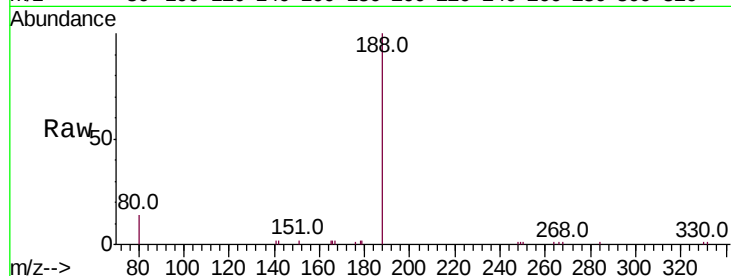
Tot Ion:188 Resp: 12806

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 14.3 3.6 5.4#



#22

Pentachlorophenol

Concen: 0.056 ng

RT: 16.42 min Scan# 1230

Delta R.T. -0.01 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

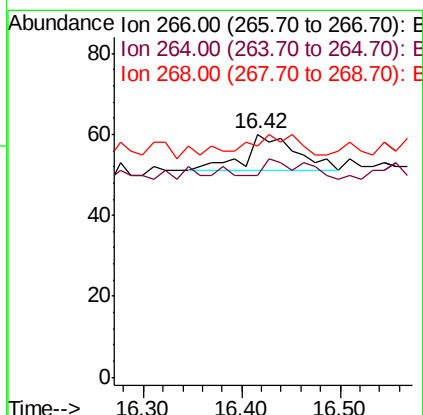
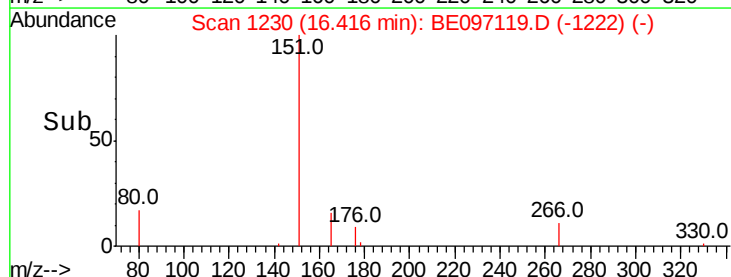
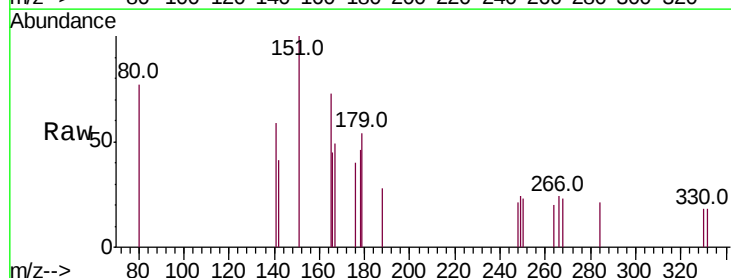
Tgt Ion:266 Resp: 33

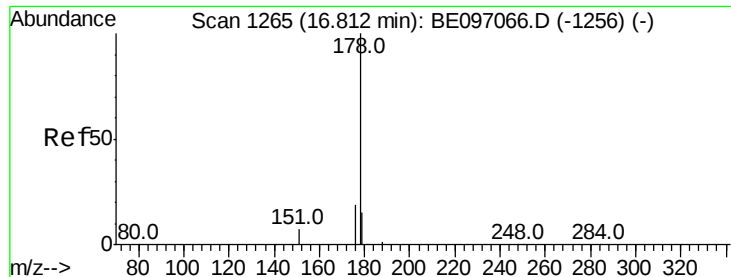
Ion Ratio Lower Upper

266 100

264 83.3 72.5 108.7

268 95.0 73.8 110.6





#23

Phenanthrene

Concen: 0.305 ng

RT: 16.81 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

Instrument :

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LW-06-072618

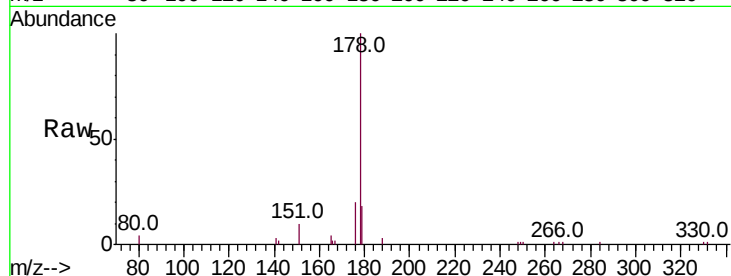
Tot Ion:178 Resp: 9308

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

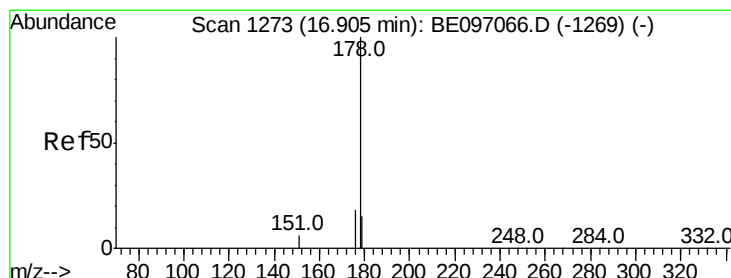
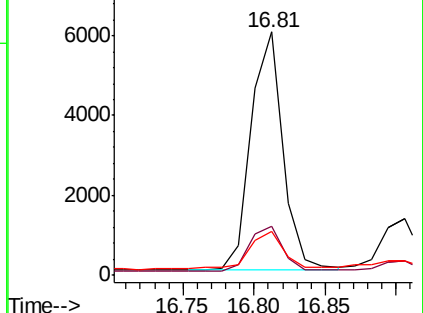
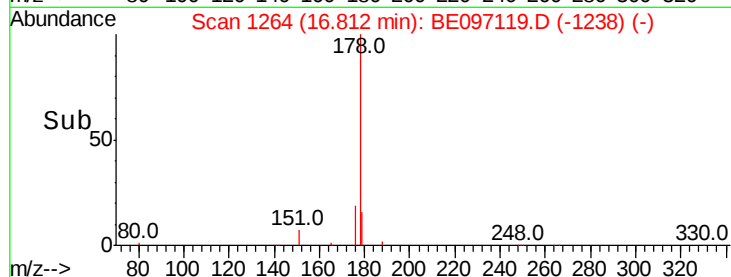
179 17.3 11.8 17.6



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: 0.075 ng

RT: 16.91 min Scan# 1272

Delta R.T. 0.01 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

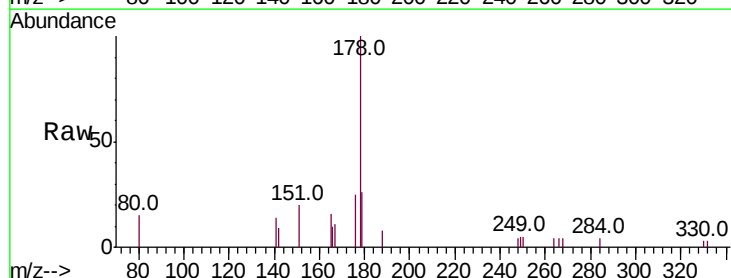
Tgt Ion:178 Resp: 2036

Ion Ratio Lower Upper

178 100

176 21.9 12.8 19.2#

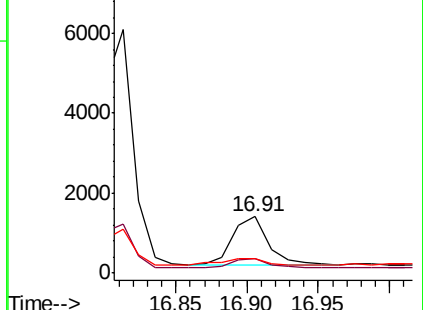
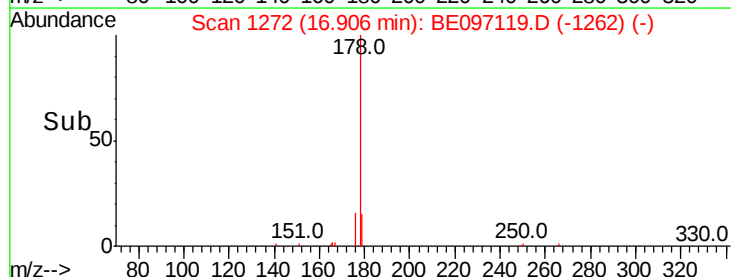
179 19.0 13.0 19.6

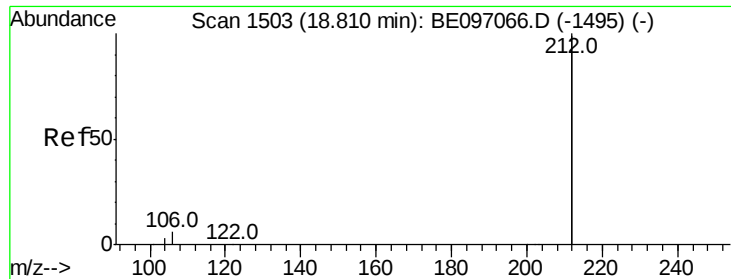


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.467 ng

RT: 18.81 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

Instrument :

BNA_E

ClientSampleId :

LW-06-072618

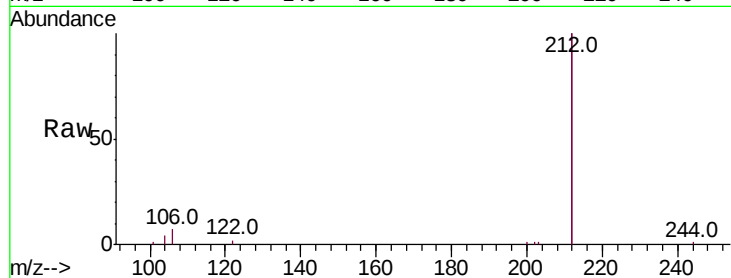
Tot Ion:212 Resp: 59840

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

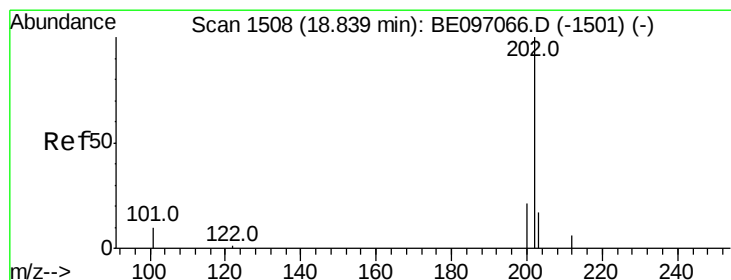
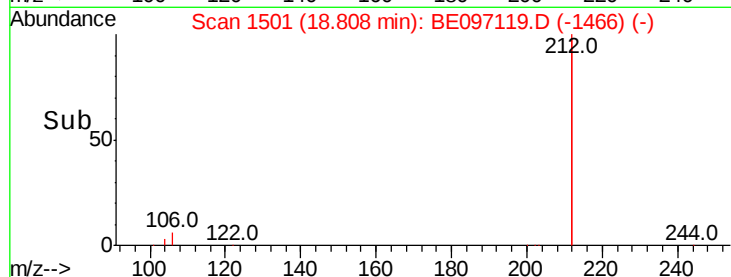
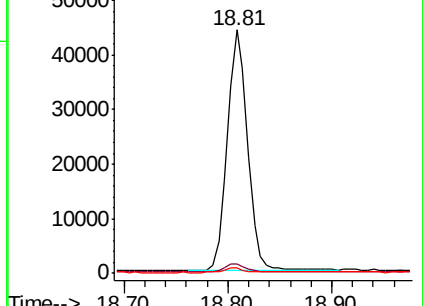
104 1.7 1.6 2.4



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: 0.363 ng

RT: 18.84 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

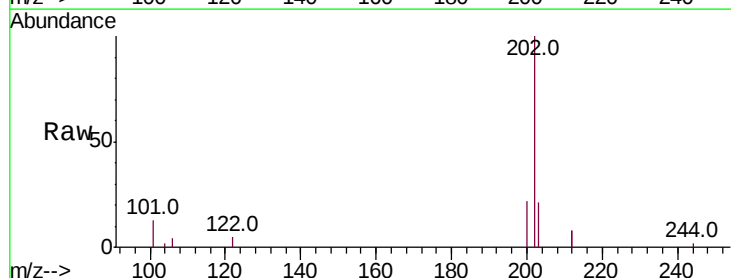
Tgt Ion:202 Resp: 12439

Ion Ratio Lower Upper

202 100

101 11.2 9.8 14.8

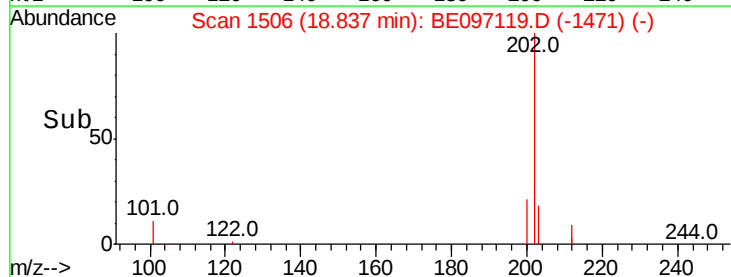
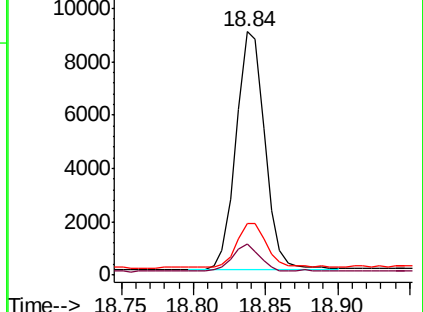
203 21.0 13.7 20.5#

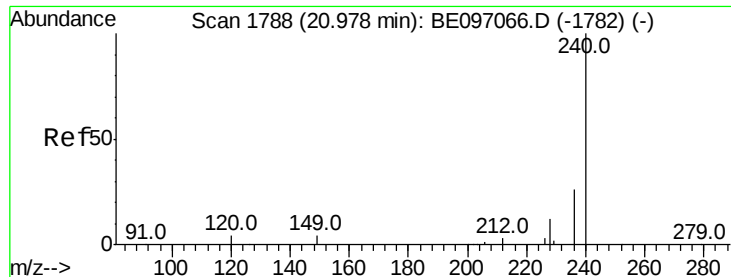


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1786

Delta R.T. 0.00 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

Instrument :

BNA_E

ClientSampleId :

LW-06-072618

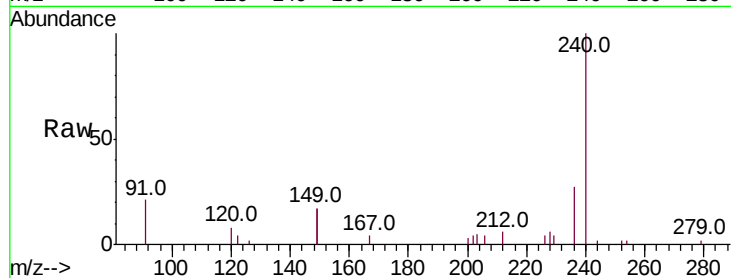
Tot Ion:240 Resp: 14641

Ion Ratio Lower Upper

240 100

120 7.9 5.5 8.3

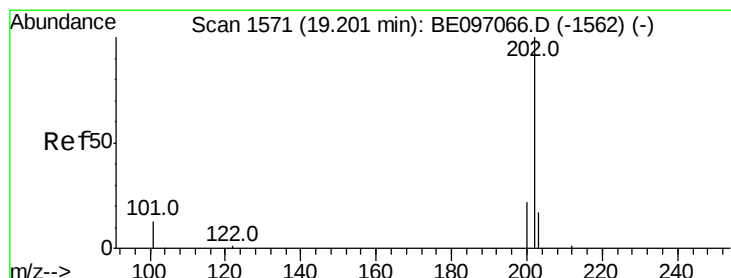
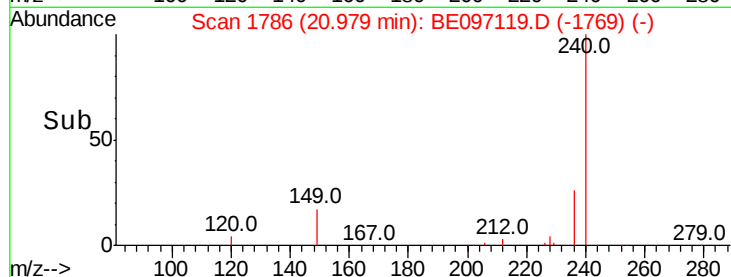
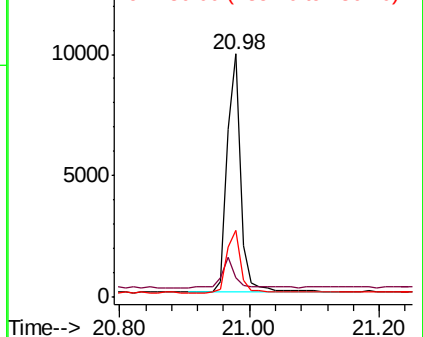
236 27.4 20.7 31.1



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

Pyrene

Concen: 0.223 ng

RT: 19.20 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

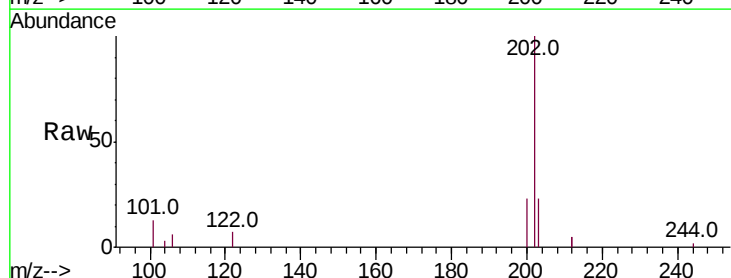
Tgt Ion:202 Resp: 8967

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

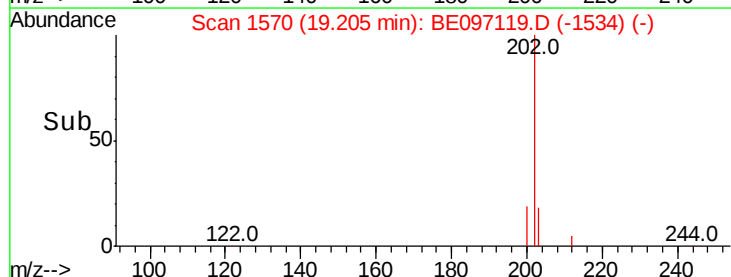
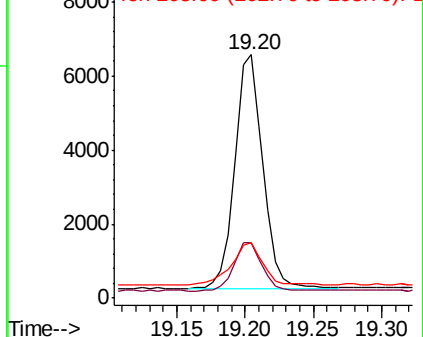
203 21.6 13.8 20.8#

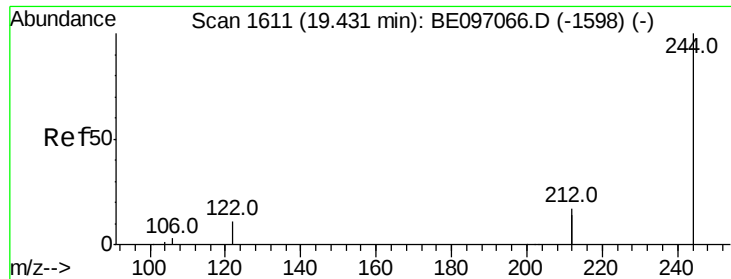


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.501 ng

RT: 19.43 min Scan# 1609

Delta R.T. -0.00 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

Instrument :

BNA_E

ClientSampleId :

LW-06-072618

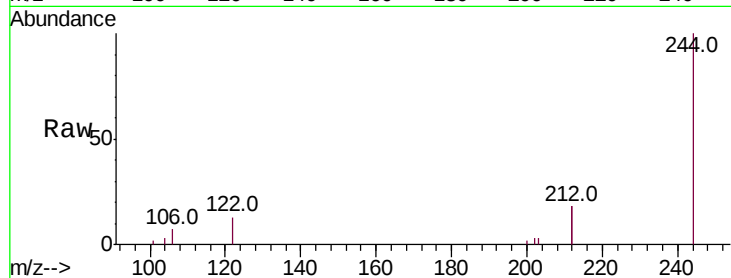
Tot Ion:244 Resp: 14095

Ion Ratio Lower Upper

244 100

212 35.1 25.4 38.0

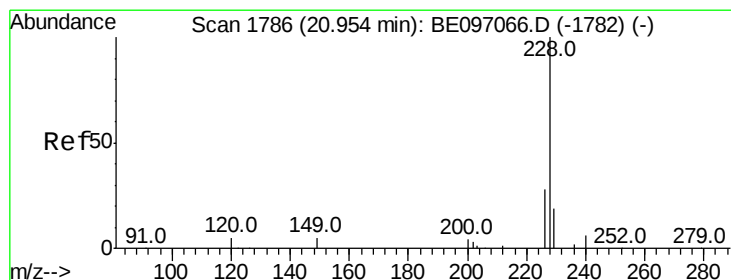
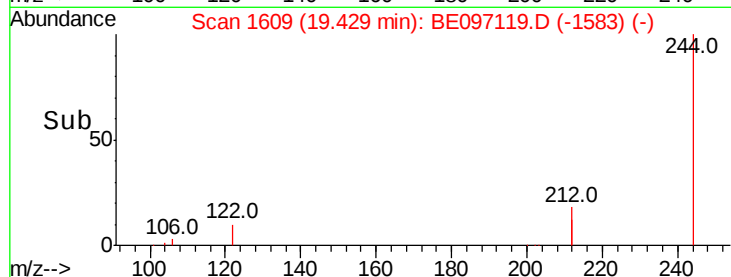
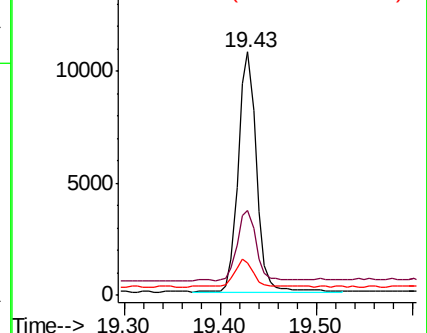
122 13.2 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.068 ng

RT: 20.95 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

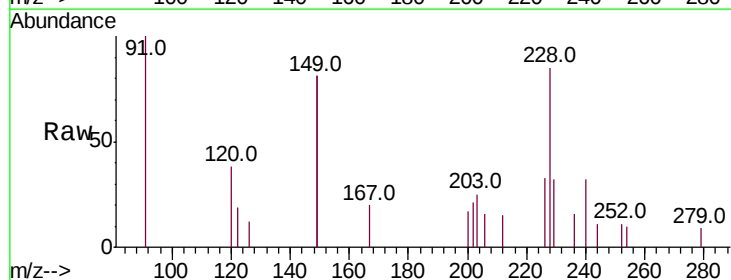
Tgt Ion:228 Resp: 2459

Ion Ratio Lower Upper

228 100

226 39.3 24.0 36.0#

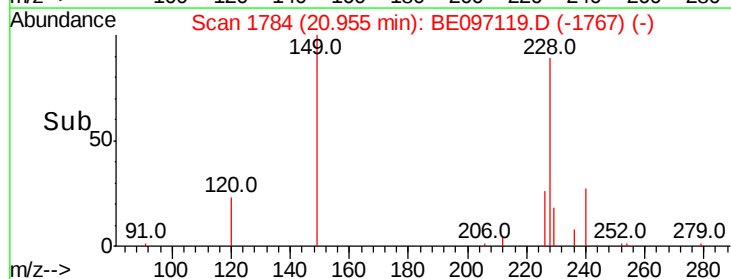
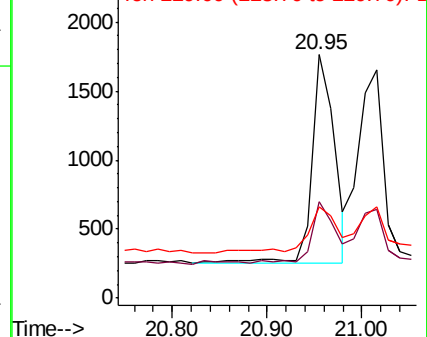
229 37.4 16.0 24.0#

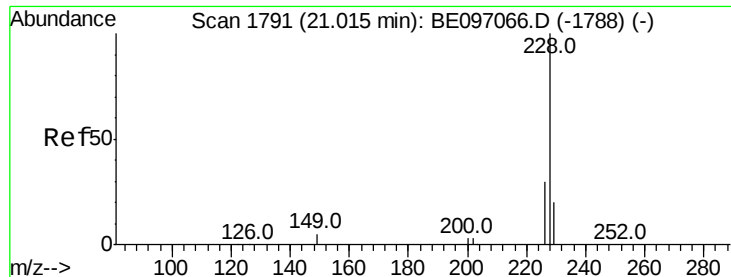


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.064 ng

RT: 21.02 min Scan# 1789

Delta R.T. 0.01 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

Instrument :

BNA_E

ClientSampleId :

LW-06-072618

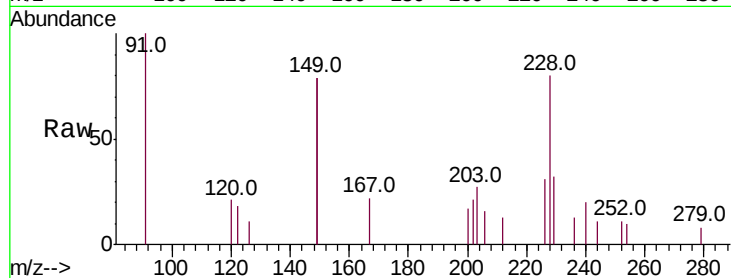
Tot Ion:228 Resp: 2510

Ion Ratio Lower Upper

228 100

226 39.1 24.0 36.0#

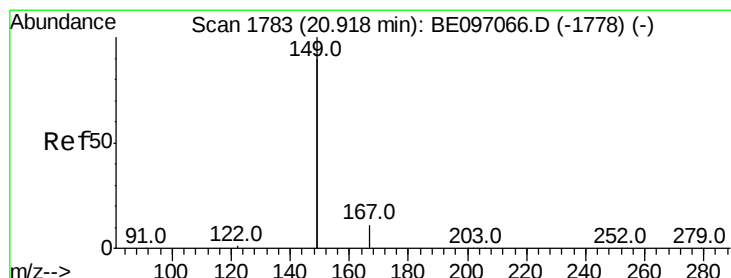
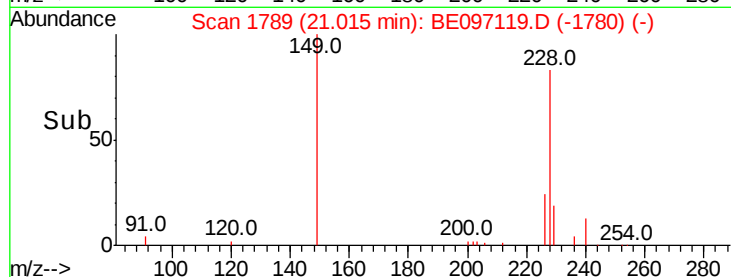
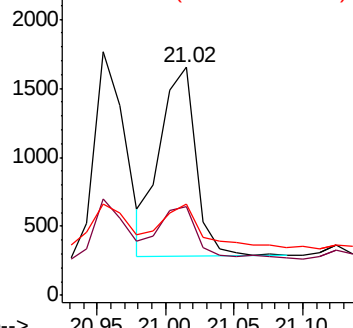
229 40.1 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.308 ng

RT: 20.92 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

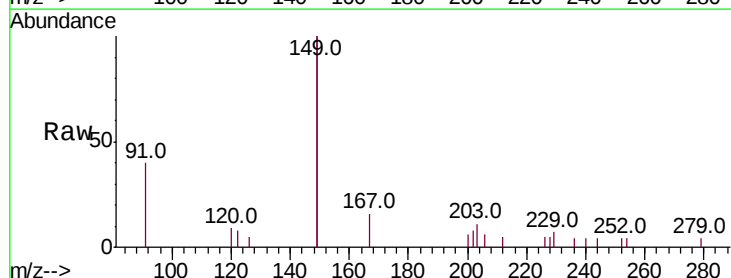
Tgt Ion:149 Resp: 11734

Ion Ratio Lower Upper

149 100

167 6.0 5.4 8.0

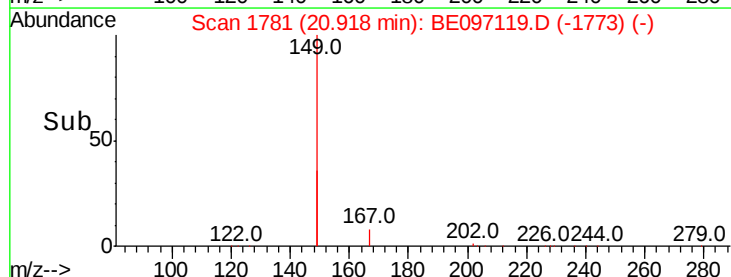
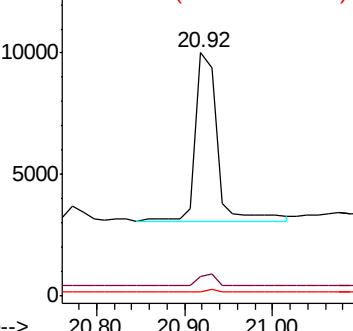
279 1.2 0.7 1.1#

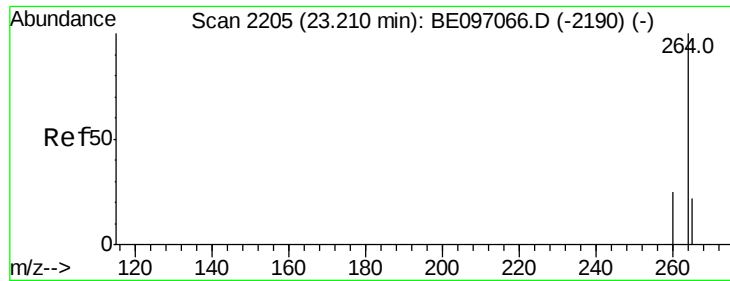


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

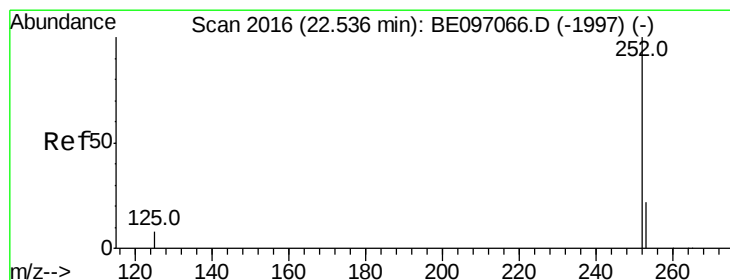
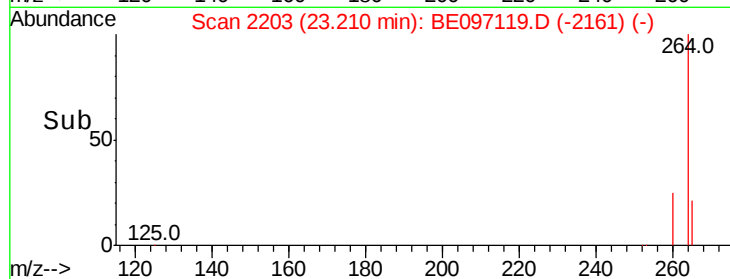
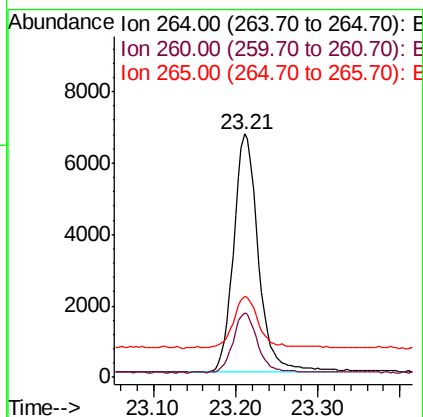
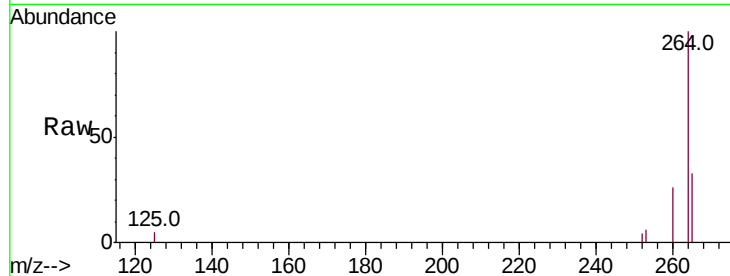




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2203
Delta R.T. 0.00 min
Lab File: BE097119.D
Acq: 31 Jul 2018 13:02

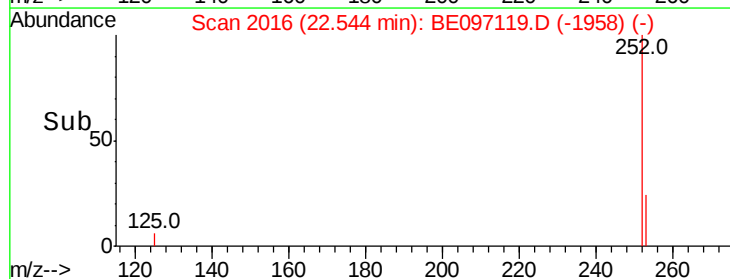
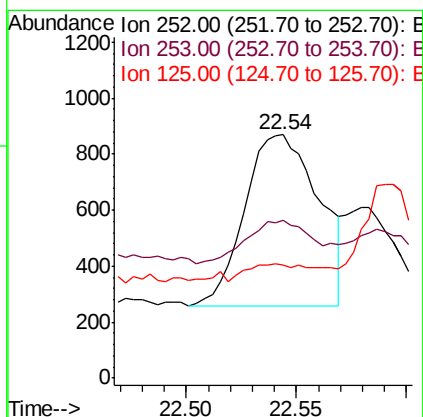
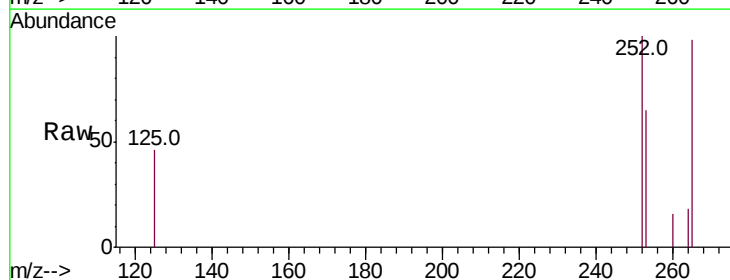
Instrument :
BNA_E
ClientSampleId :
LW-06-072618

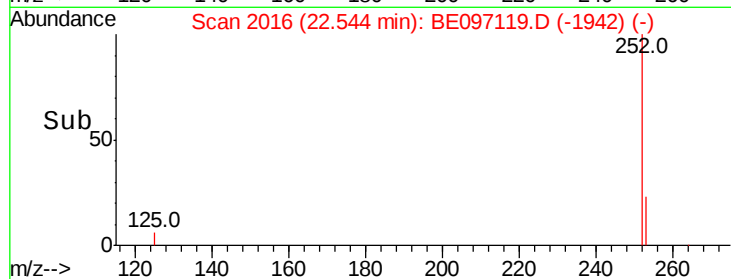
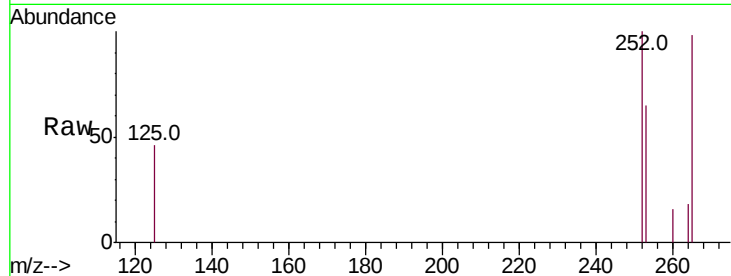
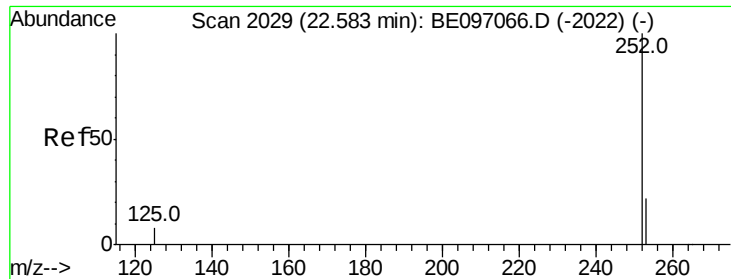
Tot Ion:264 Resp: 14027
Ion Ratio Lower Upper
264 100
260 26.4 20.5 30.7
265 33.2 22.8 34.2



#35
Benzo(b)fluoranthene
Concen: 0.040 ng
RT: 22.54 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BE097119.D
Acq: 31 Jul 2018 13:02

Tgt Ion:252 Resp: 1431
Ion Ratio Lower Upper
252 100
253 64.7 20.0 30.0#
125 46.2 16.0 24.0#





#36

Benzo(k)fluoranthene

Concen: 0.034 ng

RT: 22.54 min Scan# 2016

Delta R.T. -0.03 min

Lab File: BE097119.D

Acq: 31 Jul 2018 13:02

Instrument :

BNA_E

ClientSampleId :

LW-06-072618

Tot Ion: 252 Resp: 1431

Ion Ratio Lower Upper

252 100

253 64.7 16.0 24.0#

125 46.2 8.0 12.0#

