

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121018\
 Data File : BE098309.D
 Acq On : 10 Dec 2018 21:52
 Operator : SJ/JU
 Sample : J6259-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-DUP02-20181205

Quant Time: Dec 11 00:49:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1392	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	5887	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	3667	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	9499	0.40	ng	0.00
27) Chrysene-d12	21.46	240	12869	0.40	ng	0.00
34) Perylene-d12	24.01	264	12259	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	614	0.19	ng	0.01
5) Phenol-d6	7.04	99	463	0.10	ng	0.00
8) Nitrobenzene-d5	9.03	82	2122	0.40	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	3759	0.39	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	550	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	8247	0.53	ng	0.00
25) Fluoranthene-d10	19.31	212	57826	0.47	ng	0.00
29) Terphenyl-d14	19.90	244	13719	0.44	ng	0.00

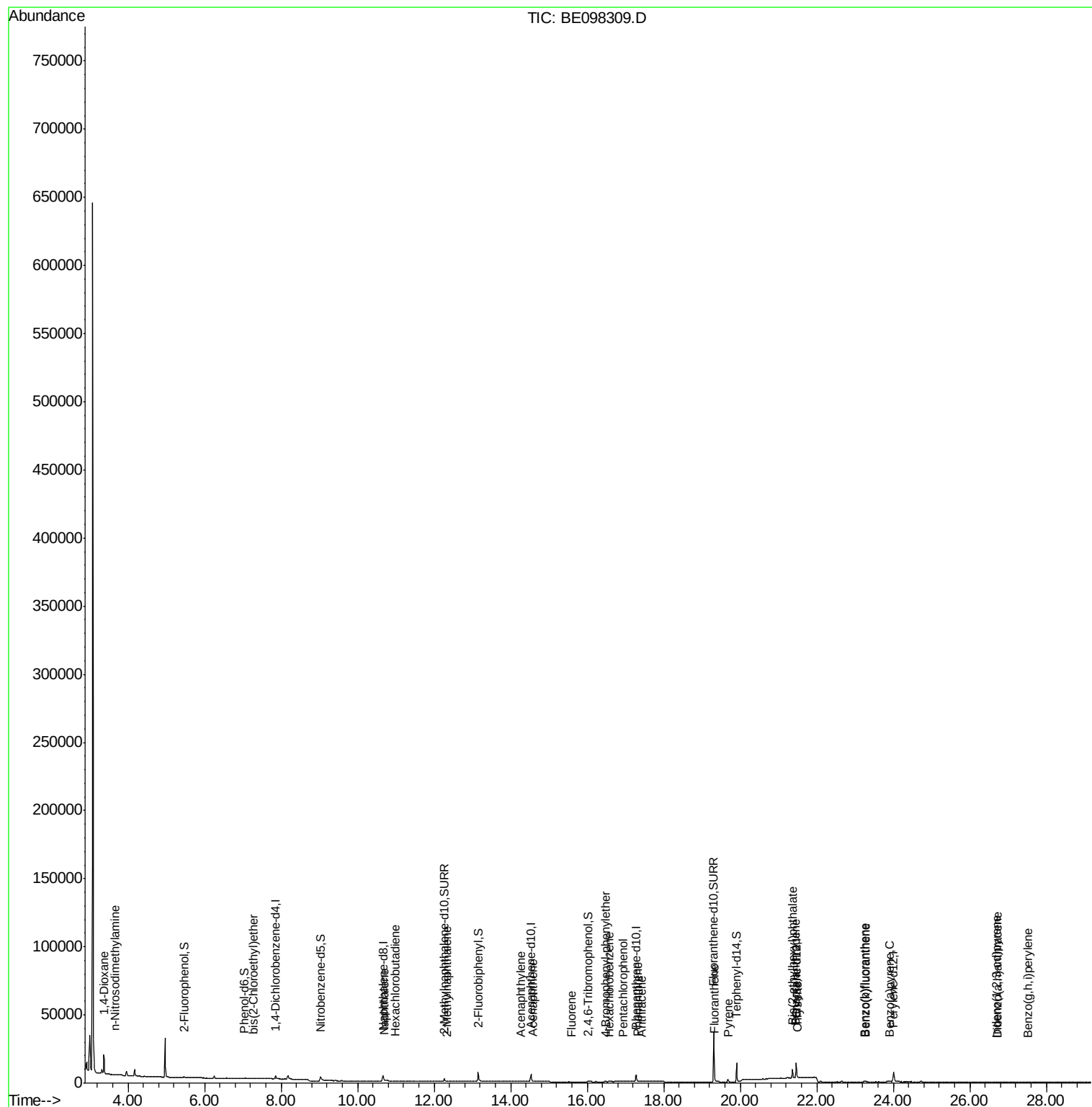
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	7845	3.259	ng	98
3) n-Nitrosodimethylamine	3.67	42	77	0.036	ng	# 100
6) bis(2-Chloroethyl)ether	7.28	93	14	0.003	ng	# 1
9) Naphthalene	10.70	128	610	0.010	ng	# 68
10) Hexachlorobutadiene	10.99	225	22	0.006	ng	# 79
12) 2-Methylnaphthalene	12.34	142	68	0.007	ng	# 72
16) Acenaphthylene	14.26	152	46	0.003	ng	# 57
17) Acenaphthene	14.57	154	27	0.003	ng	# 99
18) Fluorene	15.58	166	57	0.004	ng	# 81
20) 4-Bromophenyl-phenylether	16.49	248	31	0.006	ng	# 80
21) Hexachlorobenzene	16.58	284	24	0.004	ng	# 40
22) Pentachlorophenol	16.93	266	17	0.036	ng	# 69
23) Phenanthrene	17.32	178	159	0.007	ng	# 94
24) Anthracene	17.42	178	94	0.005	ng	# 59
26) Fluoranthene	19.34	202	223	0.007	ng	# 72
28) Pyrene	19.70	202	204	0.005	ng	# 94
30) Benzo(a)anthracene	21.45	228	232	0.006	ng	# 21
31) Chrysene	21.50	228	206	0.005	ng	# 32
32) Bis(2-ethylhexyl)phthalate	21.37	149	8859	0.119	ng	97
33) Indeno(1,2,3-cd)pyrene	26.69	276	61	0.002	ng	# 65
35) Benzo(b)fluoranthene	23.23	252	266	0.008	ng	# 1
36) Benzo(k)fluoranthene	23.28	252	207	0.005	ng	# 1
37) Benzo(a)pyrene	23.90	252	210	0.006	ng	# 1
38) Dibenzo(a,h)anthracene	26.73	278	13	0.000	ng	# 1
39) Benzo(g,h,i)perylene	27.53	276	63	0.002	ng	# 1

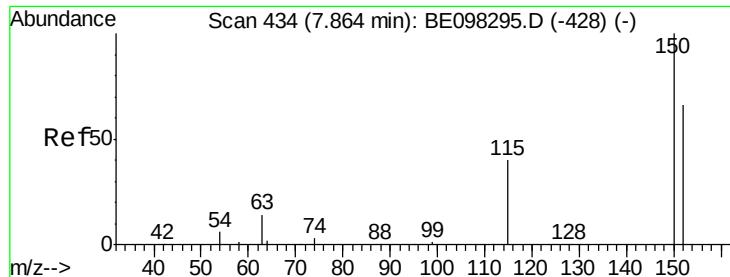
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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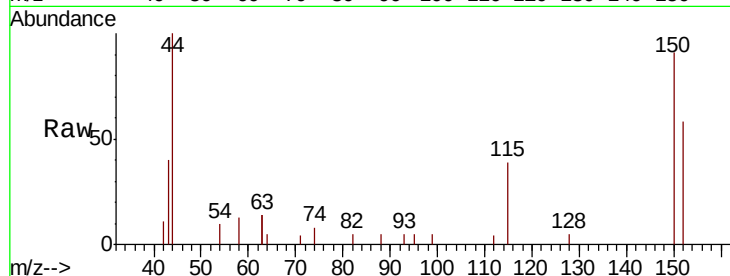


#1

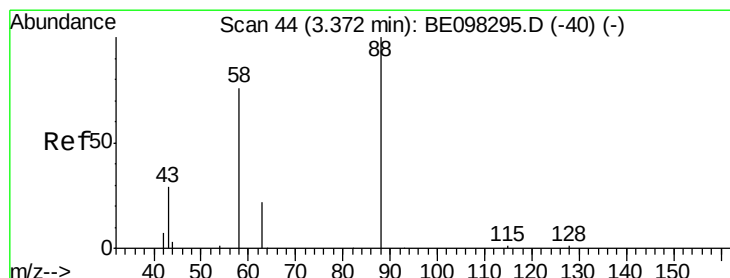
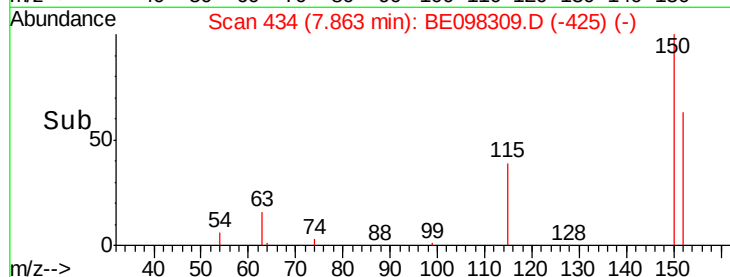
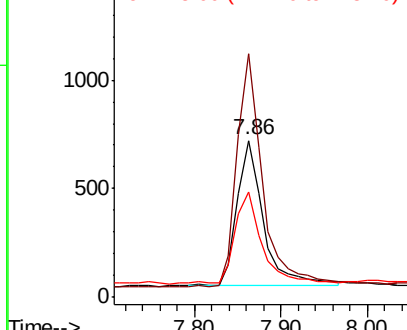
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098309.D
Acq: 10 Dec 2018 21:52

Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20181205

Tgt Ion:152 Resp: 1392
Ion Ratio Lower Upper
152 100
150 155.5 124.2 186.4
115 67.4 53.9 80.9



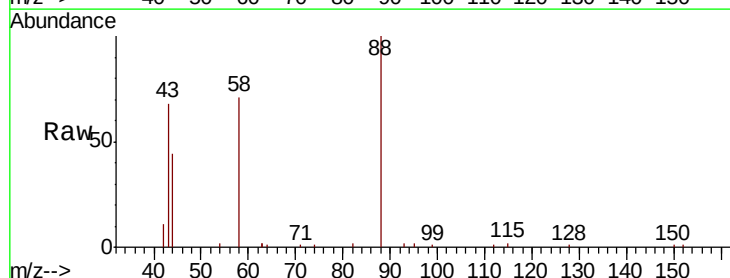
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



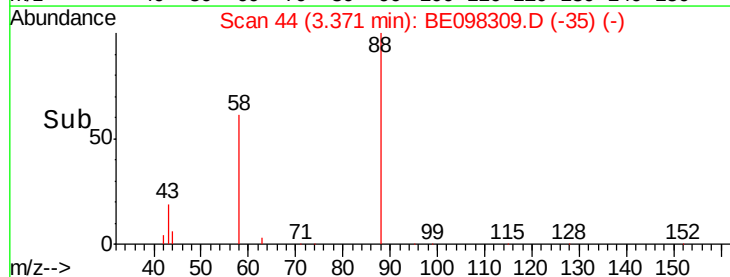
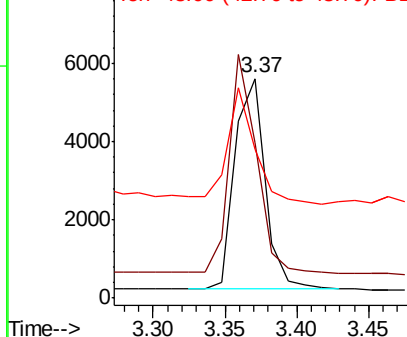
#2

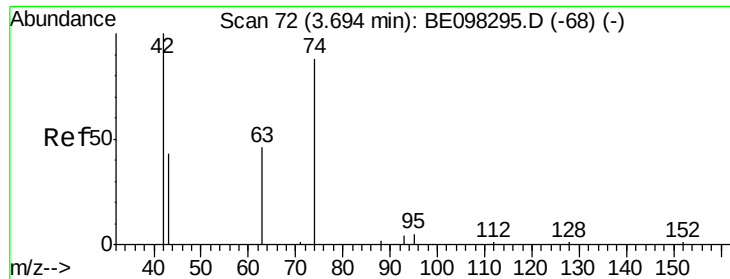
1,4-Dioxane
Concen: 3.259 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098309.D
Acq: 10 Dec 2018 21:52

Tgt Ion: 88 Resp: 7845
Ion Ratio Lower Upper
88 100
58 92.8 75.0 112.6
43 50.7 38.3 57.5



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.036 ng

RT: 3.67 min Scan# 70

Delta R.T. -0.02 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

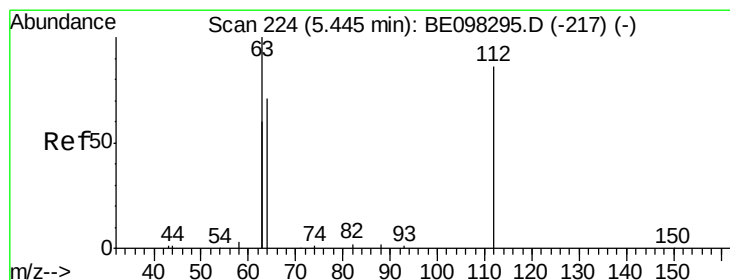
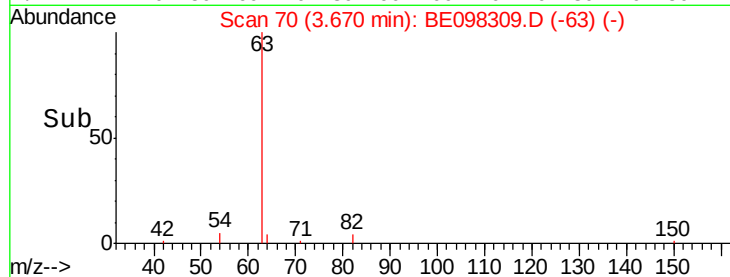
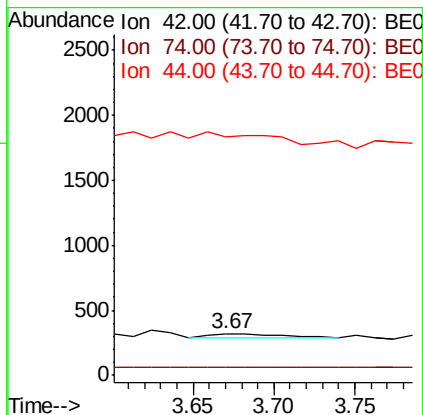
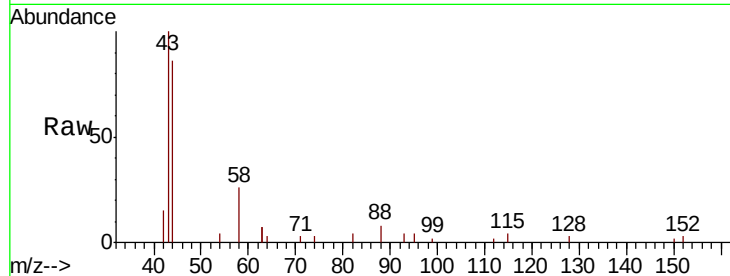
Instrument :

BNA_E

ClientSampleId :

BP-DUP02-20181205

Tgt Ion:	42	Resp:	77
Ion	Ratio	Lower	Upper
42	100		
74	10.4	0.0	0.0#
44	0.0	0.0	0.0



#4

2-Fluorophenol

Concen: 0.188 ng

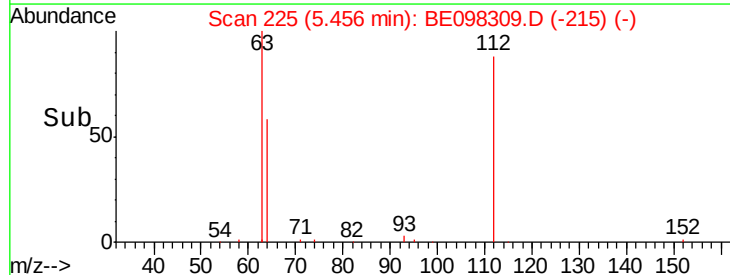
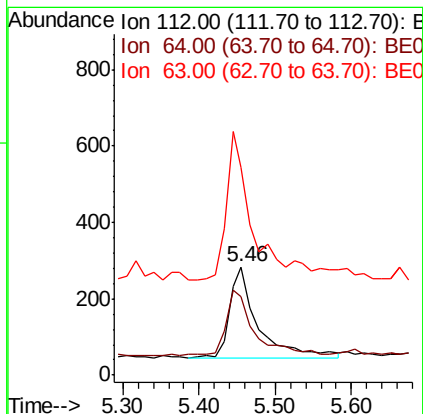
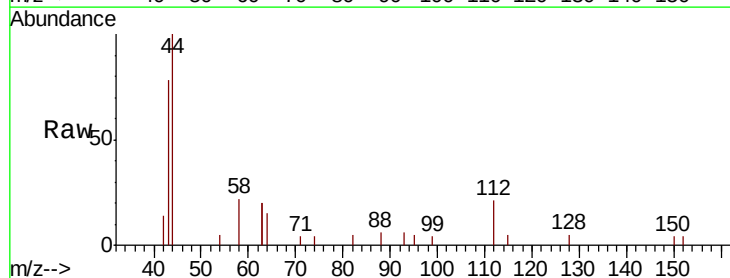
RT: 5.46 min Scan# 225

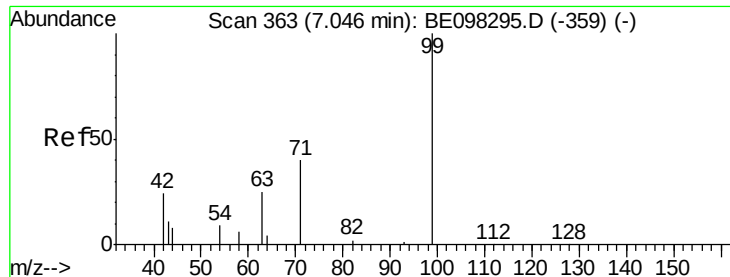
Delta R.T. 0.01 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

Tgt Ion:	112	Resp:	614
Ion	Ratio	Lower	Upper
112	100		
64	75.6	59.8	89.8
63	172.1	133.7	200.5





#5

Phenol-d6

Concen: 0.100 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

Instrument :

BNA_E

ClientSampleId :

BP-DUP02-20181205

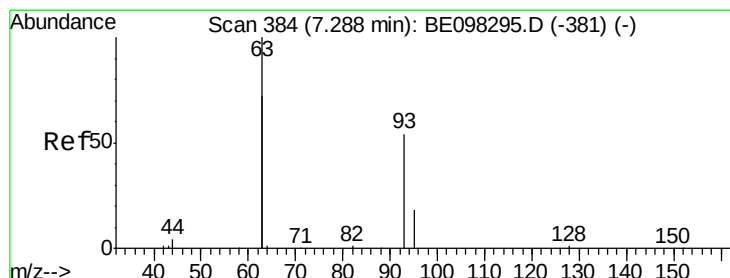
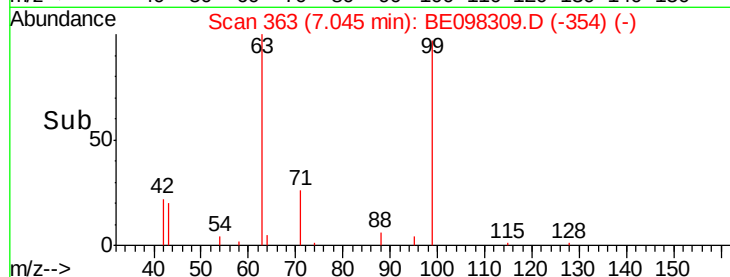
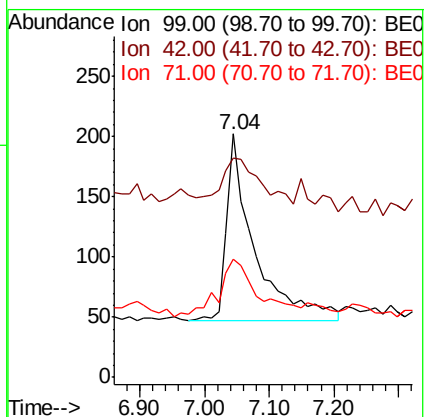
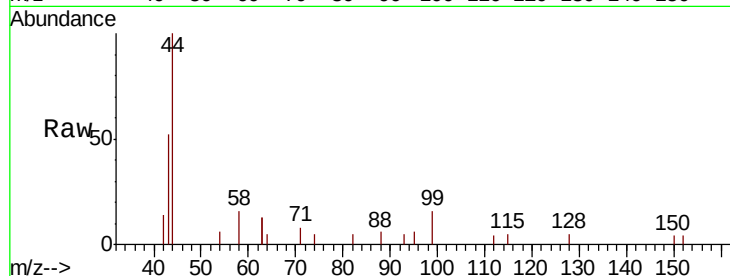
Tgt Ion: 99 Resp: 463

Ion Ratio Lower Upper

99 100

42 33.0 26.3 39.5

71 36.9 33.6 50.4



#6

bis(2-Chloroethyl)ether

Concen: 0.003 ng

RT: 7.28 min Scan# 383

Delta R.T. -0.01 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

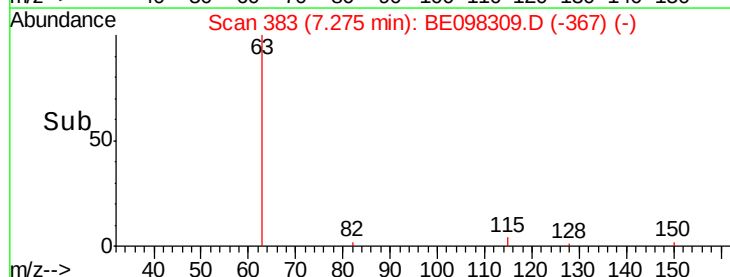
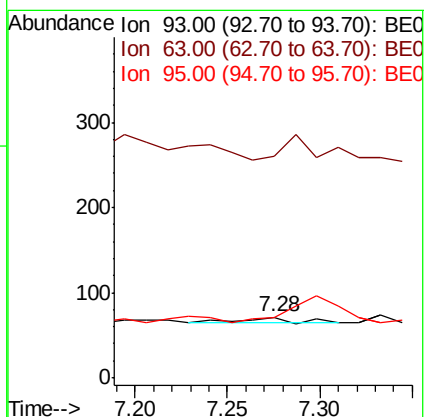
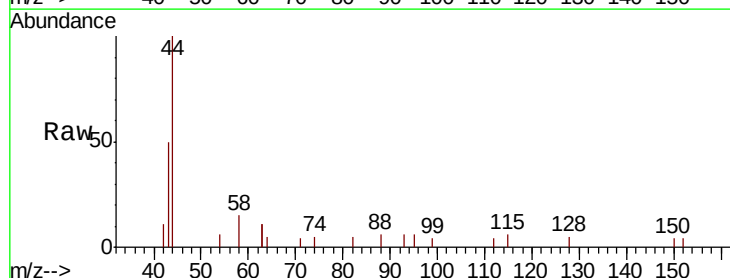
Tgt Ion: 93 Resp: 14

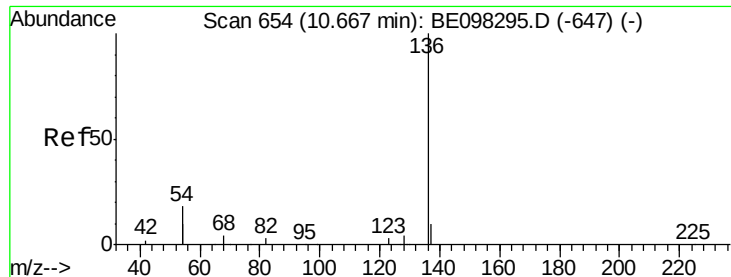
Ion Ratio Lower Upper

93 100

63 0.0 264.4 396.6#

95 0.0 26.6 40.0#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

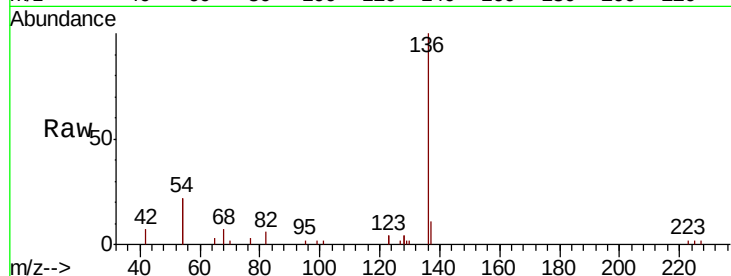
Instrument :

BNA_E

ClientSampleId :

BP-DUP02-20181205

Tgt Ion:	136	Resp:	5887
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	43.1	28.4	42.6
68	7.4	5.4	8.0



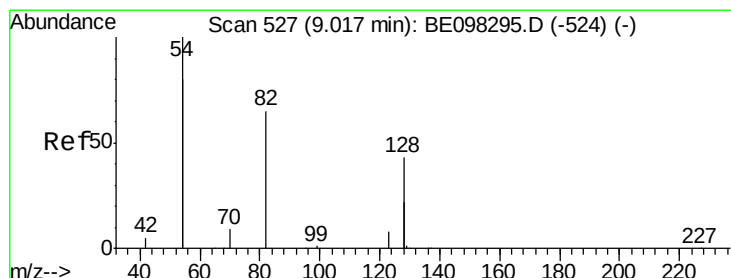
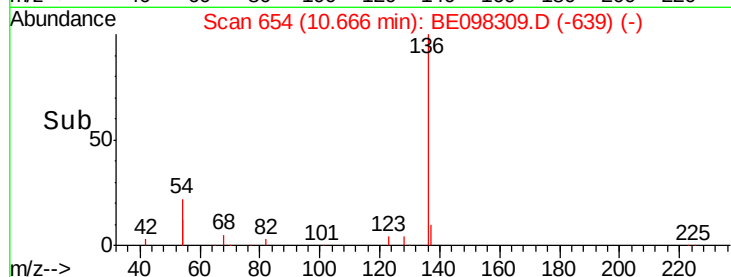
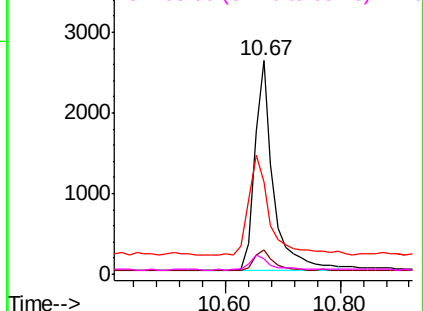
Abundance

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: 0.396 ng

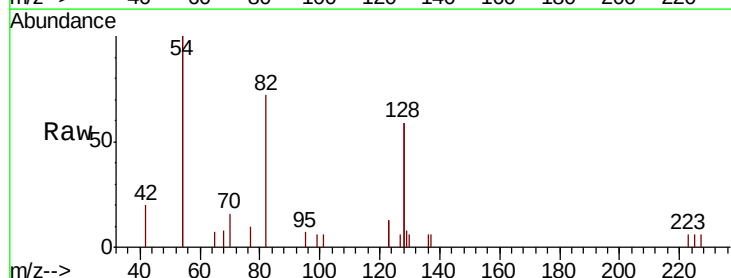
RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

Tgt Ion:	82	Resp:	2122
Ion	Ratio	Lower	Upper
82	100		
128	163.2	102.4	153.6
54	276.6	221.8	332.8

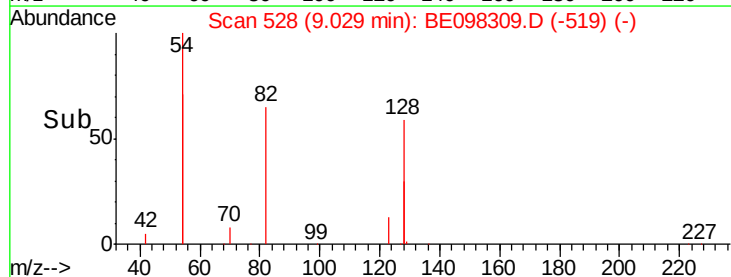
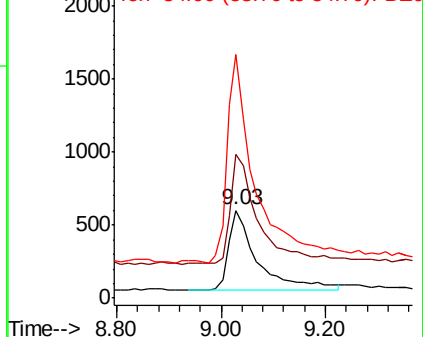


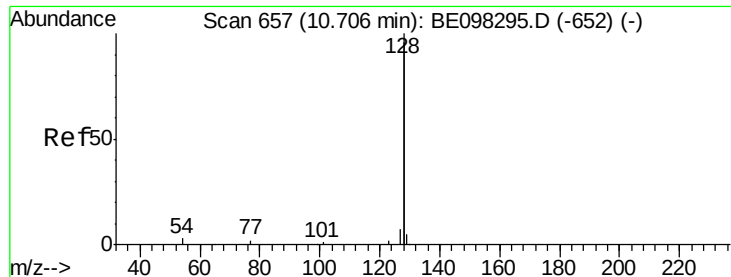
Abundance

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: 0.010 ng

RT: 10.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

Instrument :

BNA_E

ClientSampleId :

BP-DUP02-20181205

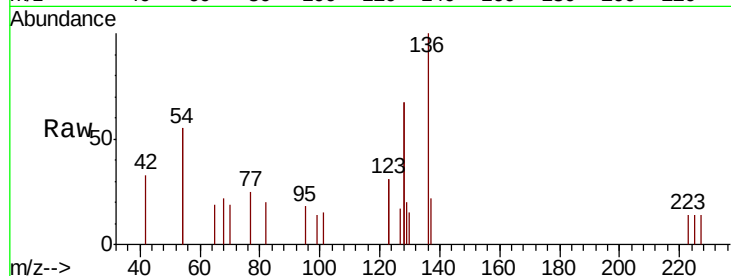
Tgt Ion:128 Resp: 610

Ion Ratio Lower Upper

128 100

129 15.0 2.5 3.7#

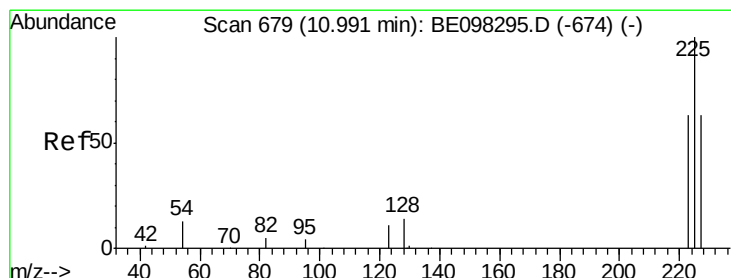
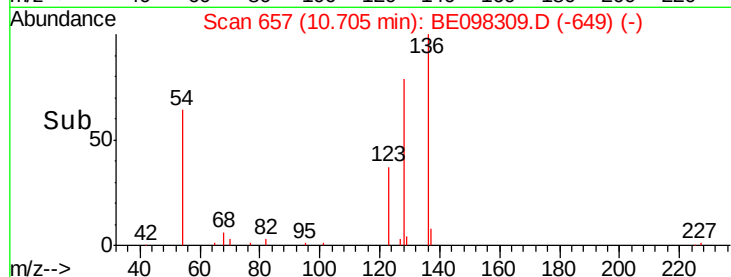
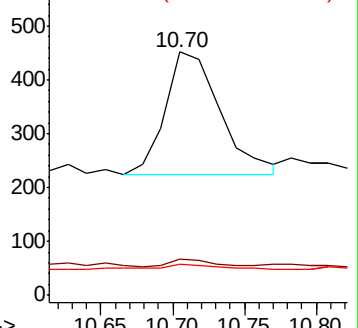
127 12.6 2.7 4.1#



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: 0.006 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

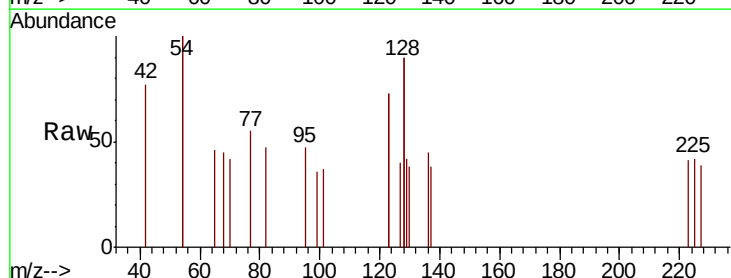
Tgt Ion:225 Resp: 22

Ion Ratio Lower Upper

225 100

223 90.9 49.4 74.0#

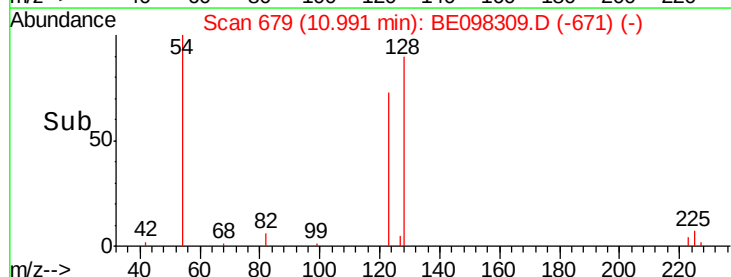
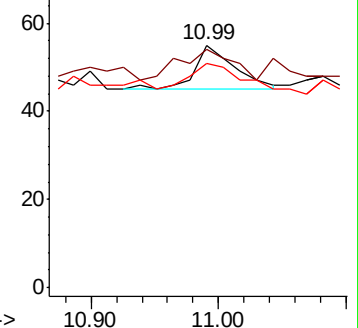
227 68.2 52.0 78.0

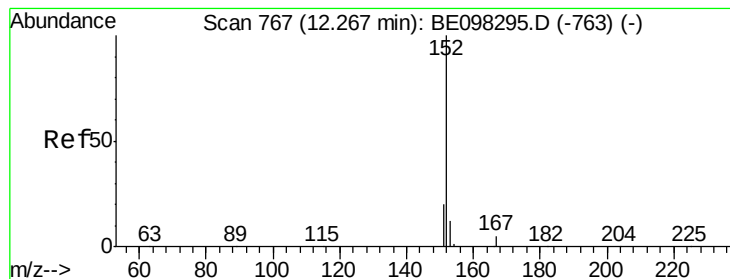


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.393 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098309.D

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Instrument :

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ClientSampleId :

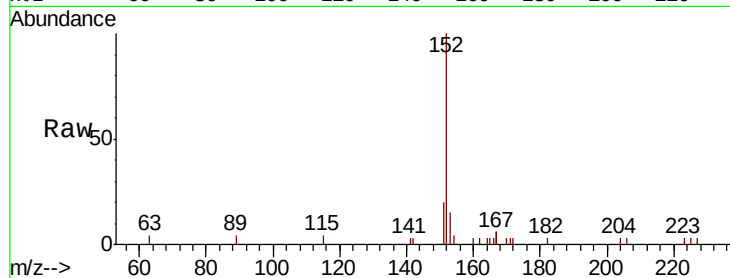
BP-DUP02-20181205

Tgt Ion:152 Resp: 3759

Ion Ratio Lower Upper

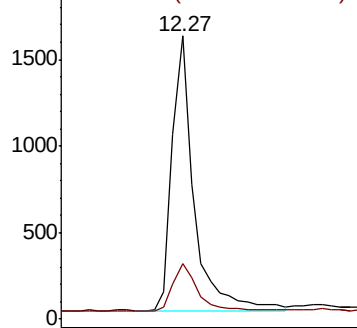
152 100

151 20.2 16.2 24.4

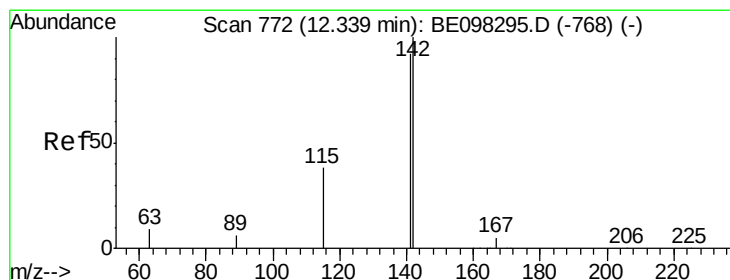
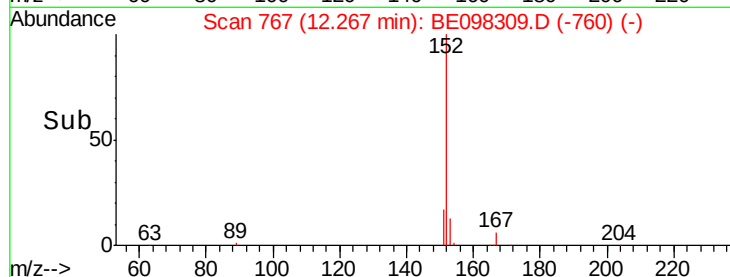


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time-->



#12

2-Methylnaphthalene

Concen: 0.007 ng

RT: 12.34 min Scan# 772

Delta R.T. 0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

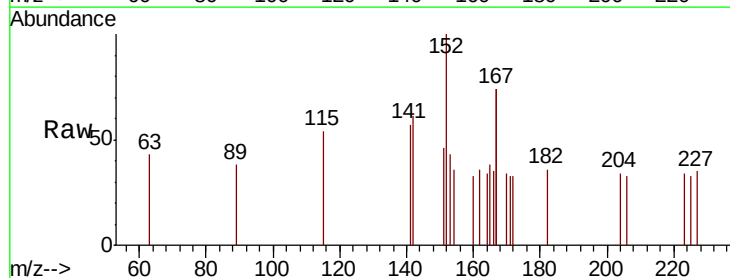
Tgt Ion:142 Resp: 68

Ion Ratio Lower Upper

142 100

141 94.0 71.0 106.6

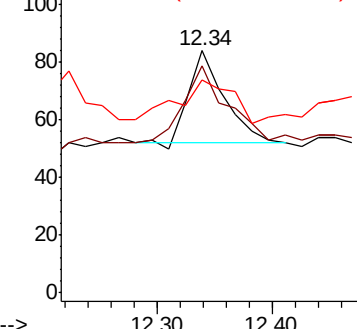
115 88.1 32.2 48.2#



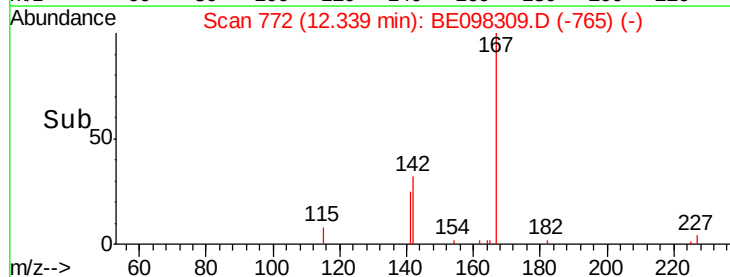
Abundance Ion 142.00 (141.70 to 142.70): E

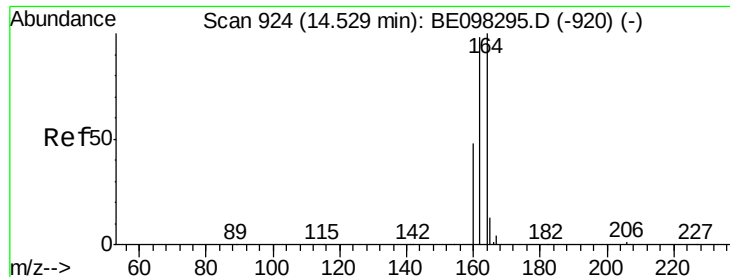
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

Instrument :

BNA_E

ClientSampleId :

BP-DUP02-20181205

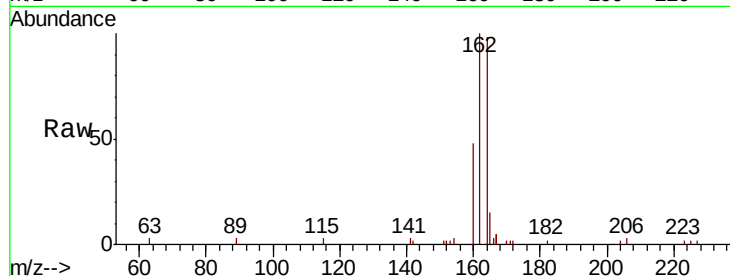
Tgt Ion:164 Resp: 3667

Ion Ratio Lower Upper

164 100

162 102.4 77.6 116.4

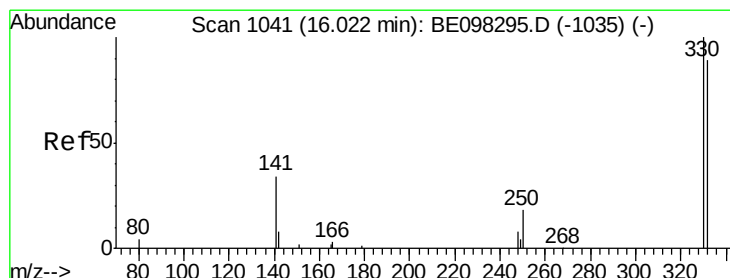
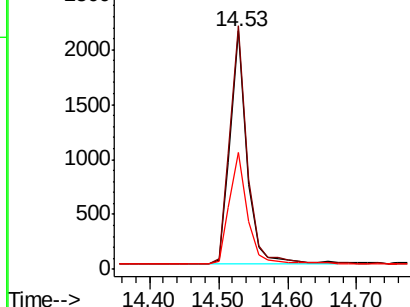
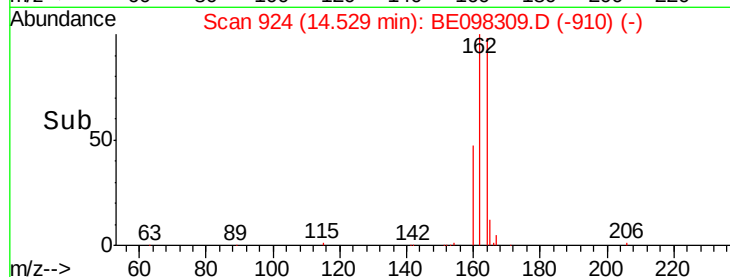
160 49.3 36.0 54.0



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: 0.409 ng

RT: 16.02 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

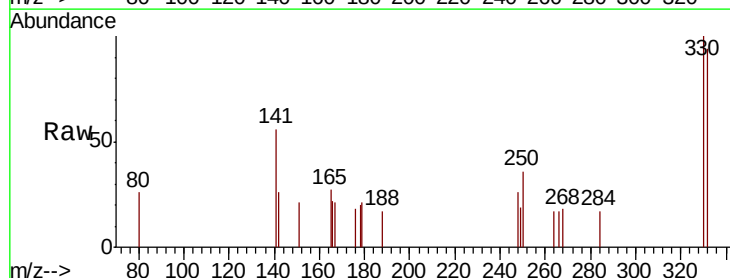
Tgt Ion:330 Resp: 550

Ion Ratio Lower Upper

330 100

332 105.5 76.2 114.4

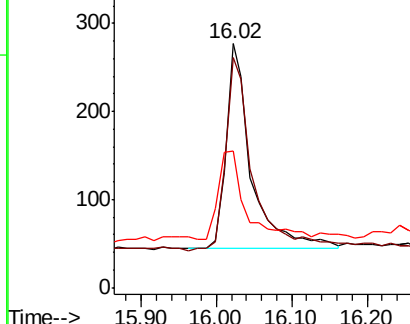
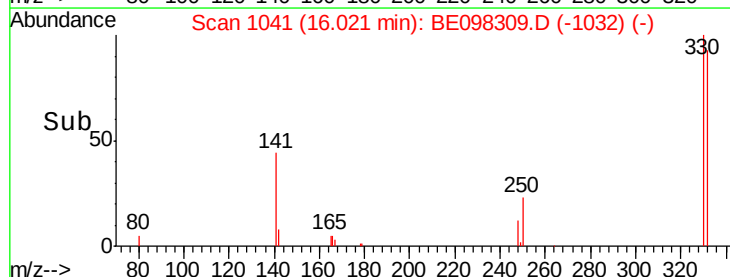
141 48.5 39.0 58.4

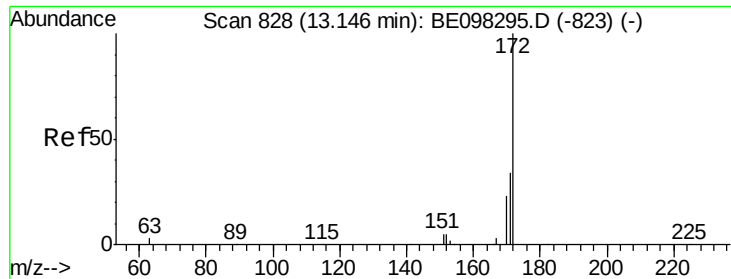


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

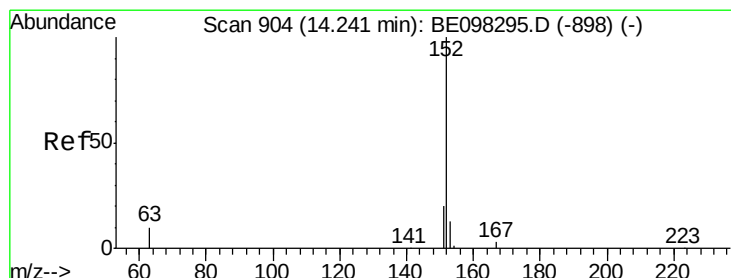
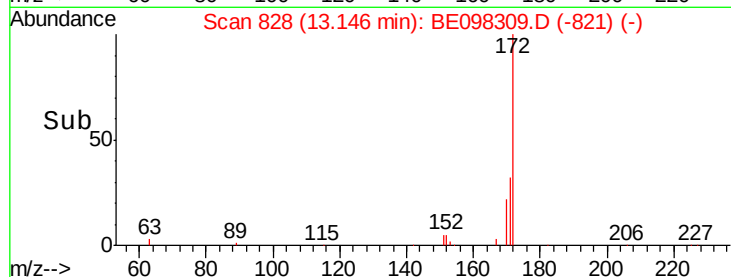
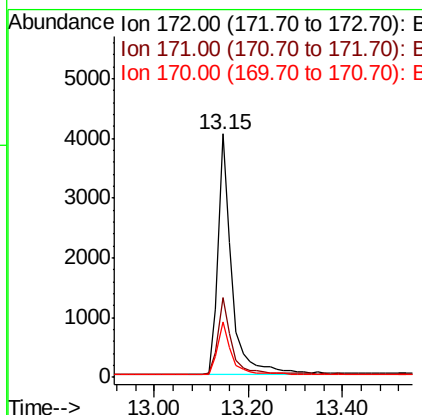
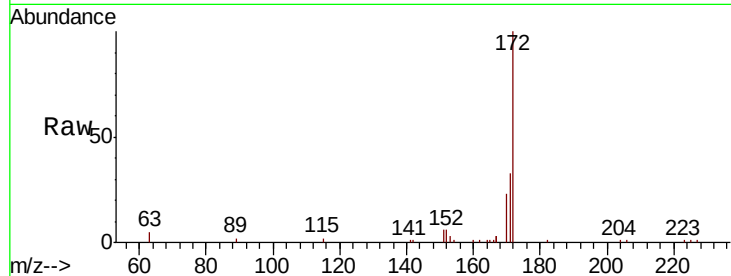




#15
2-Fluorobiphenyl
Concen: 0.533 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE098309.D
Acq: 10 Dec 2018 21:52

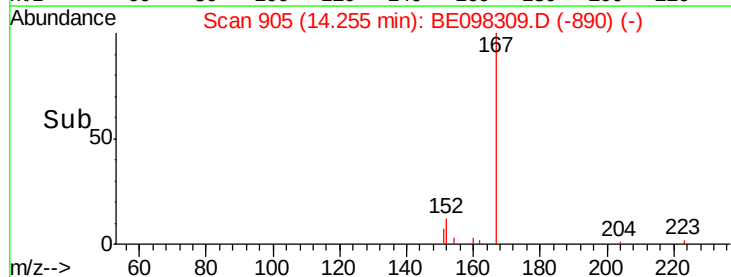
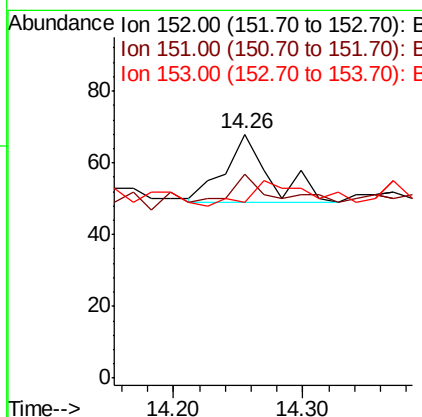
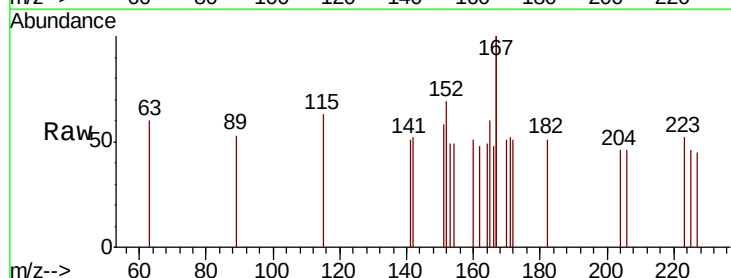
Instrument :
BNA_E
ClientSampleId :
BP-DUP02-20181205

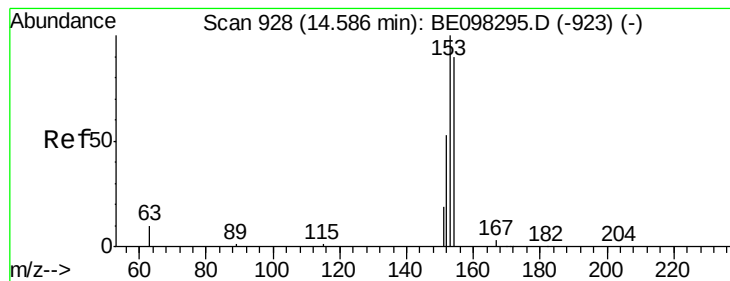
Tgt Ion:172 Resp: 8247
Ion Ratio Lower Upper
172 100
171 32.7 27.5 41.3
170 22.6 19.6 29.4



#16
Acenaphthylene
Concen: 0.003 ng
RT: 14.26 min Scan# 905
Delta R.T. 0.01 min
Lab File: BE098309.D
Acq: 10 Dec 2018 21:52

Tgt Ion:152 Resp: 46
Ion Ratio Lower Upper
152 100
151 23.9 15.5 23.3#
153 50.0 10.6 16.0#





#17

Acenaphthene

Concen: 0.003 ng

RT: 14.57 min Scan# 927

Delta R.T. -0.01 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

Instrument :

BNA_E

ClientSampleId :

BP-DUP02-20181205

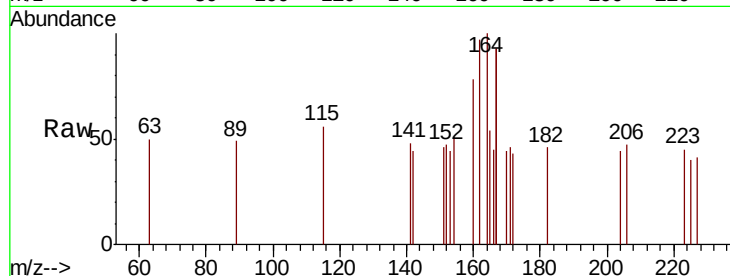
Tgt Ion:154 Resp: 27

Ion Ratio Lower Upper

154 100

153 114.8 91.8 137.6

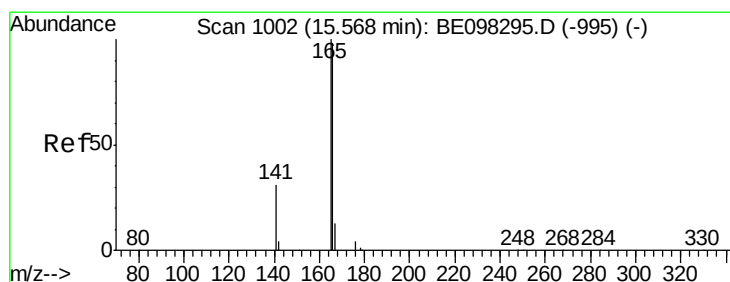
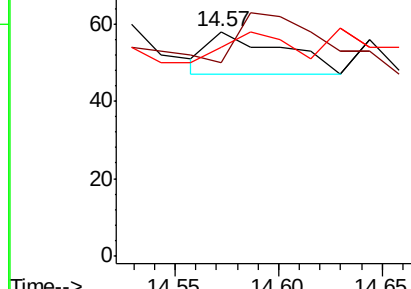
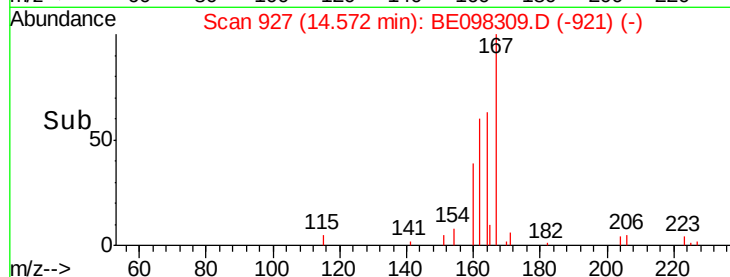
152 59.3 45.5 68.3



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: 0.004 ng

RT: 15.58 min Scan# 1003

Delta R.T. 0.01 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

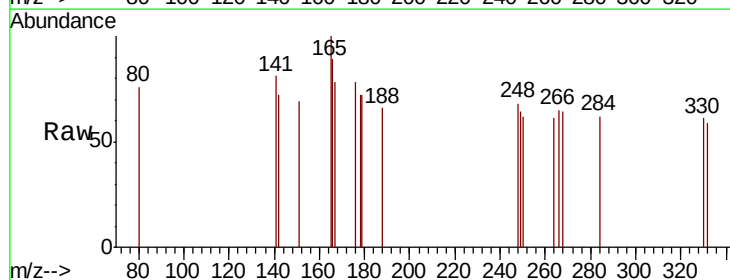
Tgt Ion:166 Resp: 57

Ion Ratio Lower Upper

166 100

165 86.0 79.3 118.9

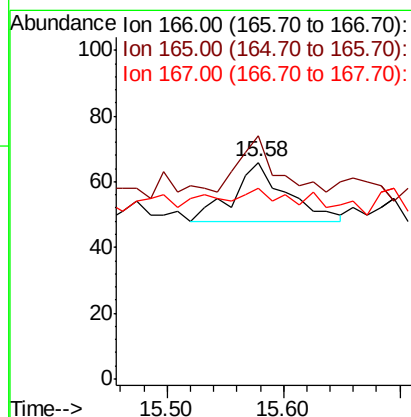
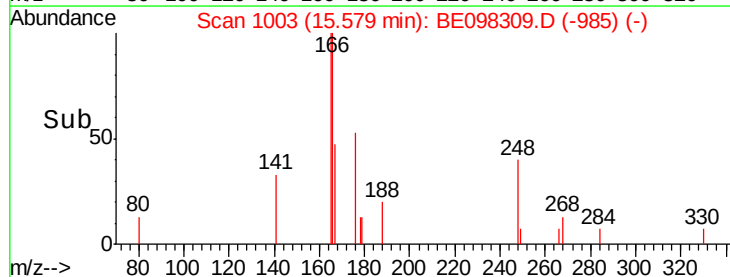
167 38.6 11.3 16.9#

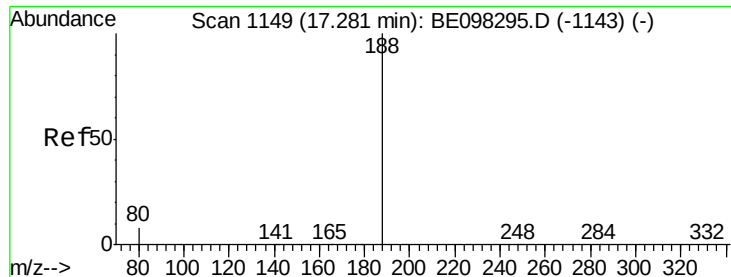


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.28 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

Instrument :

BNA_E

ClientSampleId :

BP-DUP02-20181205

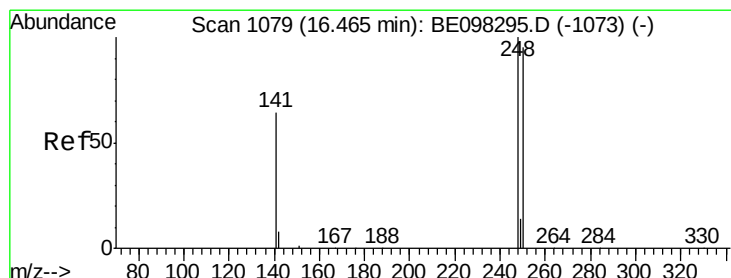
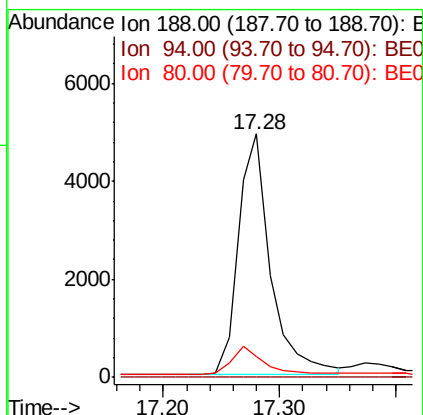
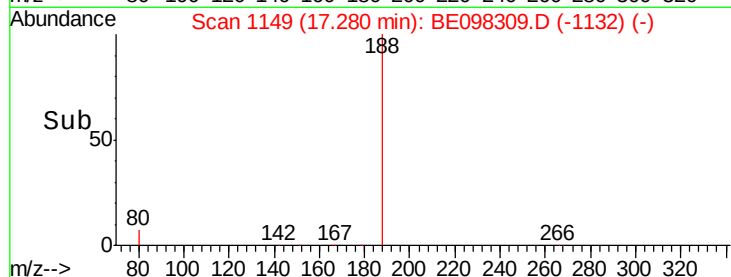
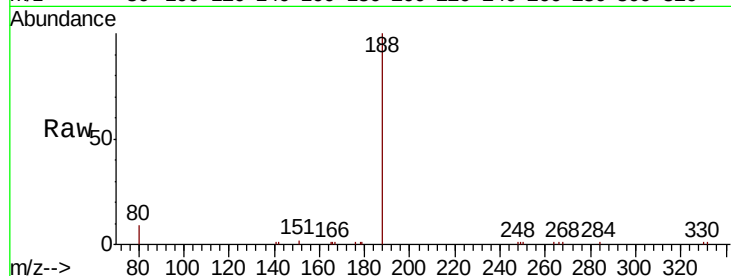
Tgt Ion:188 Resp: 9499

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.7 7.2 10.8



#20

4-Bromophenyl-phenylether

Concen: 0.006 ng

RT: 16.49 min Scan# 1081

Delta R.T. 0.02 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

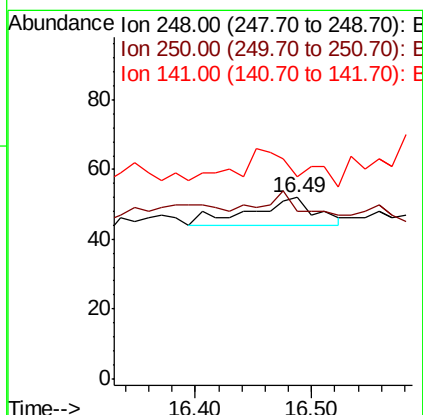
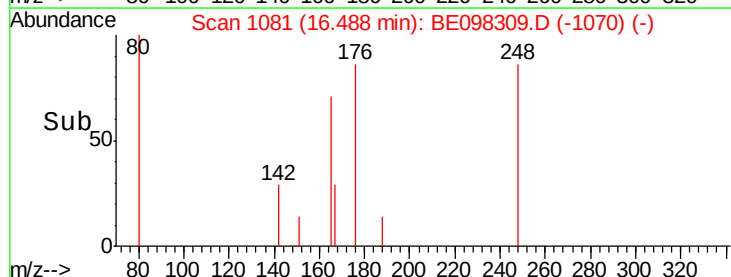
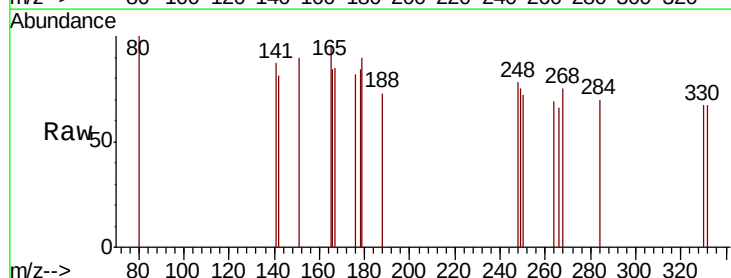
Tgt Ion:248 Resp: 31

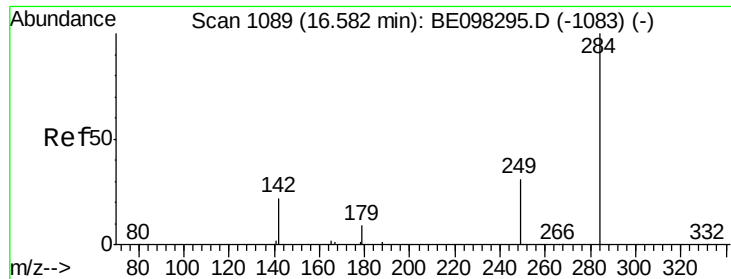
Ion Ratio Lower Upper

248 100

250 92.3 71.0 106.6

141 111.5 62.1 93.1#





#21

Hexachlorobenzene

Concen: 0.004 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

Instrument :

BNA_E

ClientSampleId :

BP-DUP02-20181205

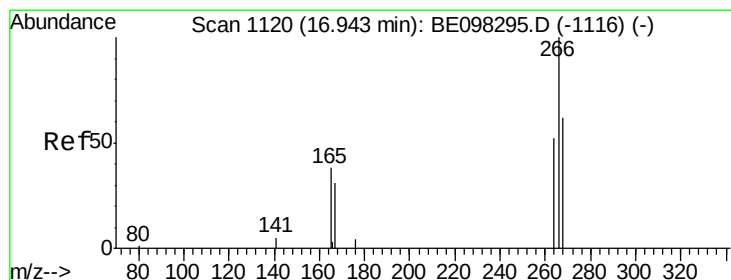
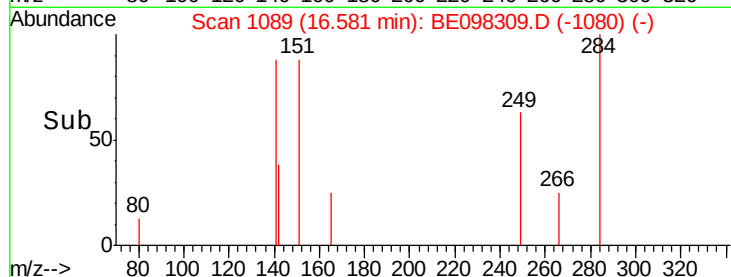
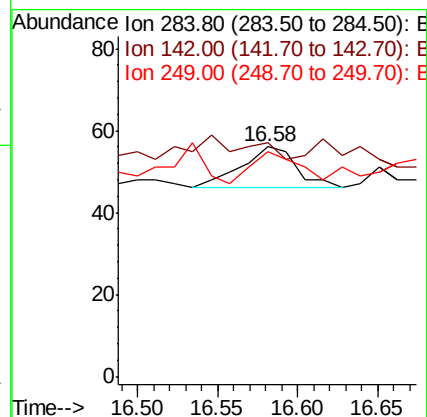
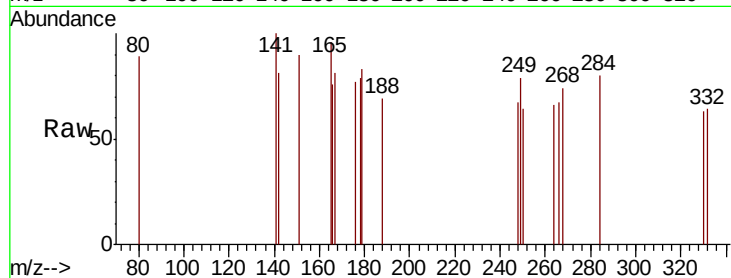
Tgt Ion:284 Resp: 24

Ion Ratio Lower Upper

284 100

142 0.0 26.3 39.5#

249 66.7 26.0 39.0#



#22

Pentachlorophenol

Concen: 0.036 ng

RT: 16.93 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

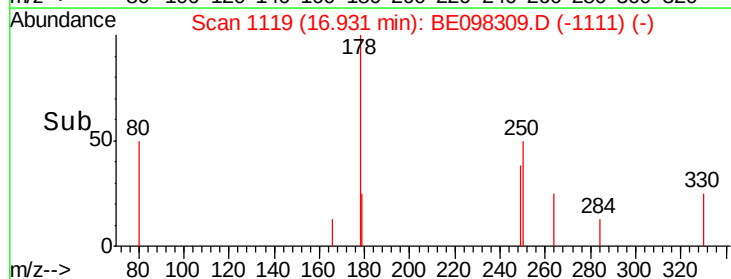
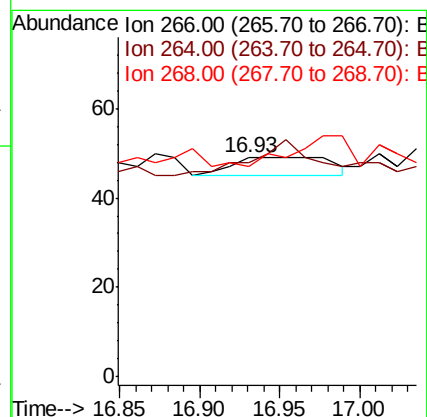
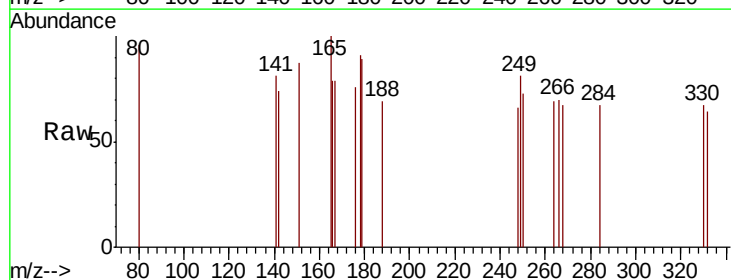
Tgt Ion:266 Resp: 17

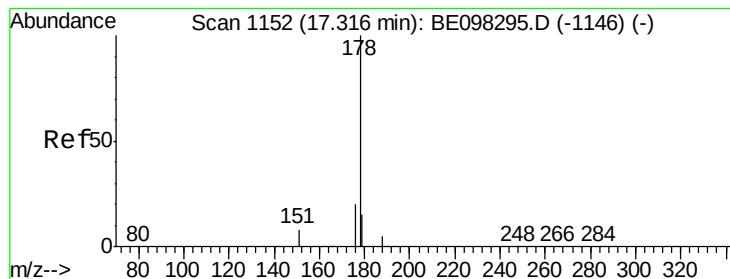
Ion Ratio Lower Upper

266 100

264 98.0 59.0 88.4#

268 95.9 55.1 82.7#





#23

Phenanthrene

Concen: 0.007 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

Instrument :

BNA_E

ClientSampleId :

BP-DUP02-20181205

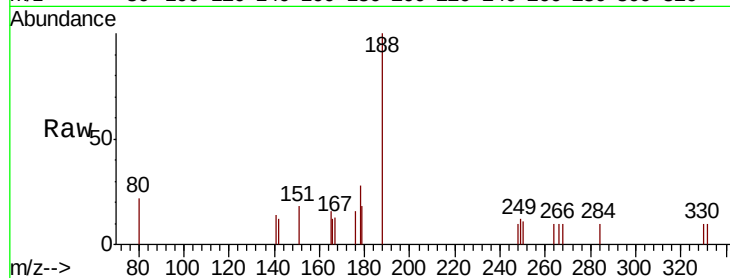
Tgt Ion:178 Resp: 159

Ion Ratio Lower Upper

178 100

176 20.1 15.9 23.9

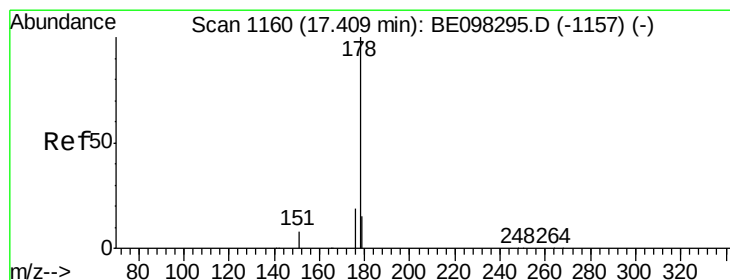
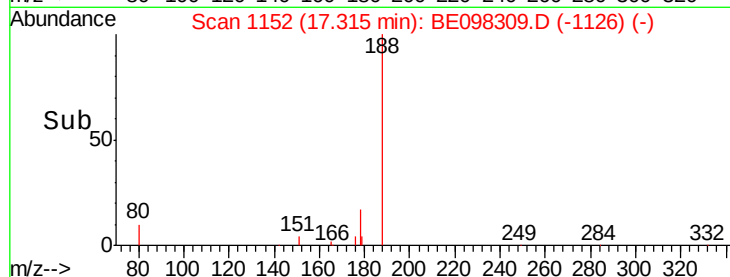
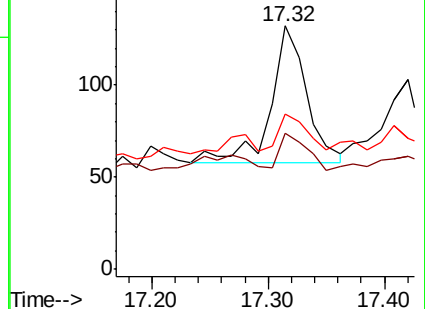
179 20.8 12.3 18.5#



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: 0.005 ng

RT: 17.42 min Scan# 1161

Delta R.T. 0.01 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

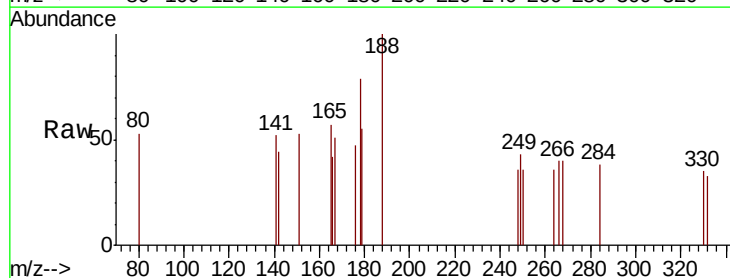
Tgt Ion:178 Resp: 94

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

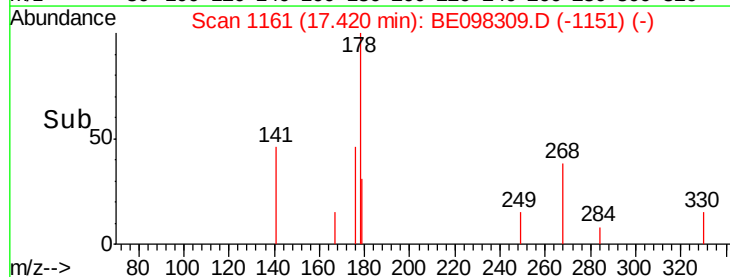
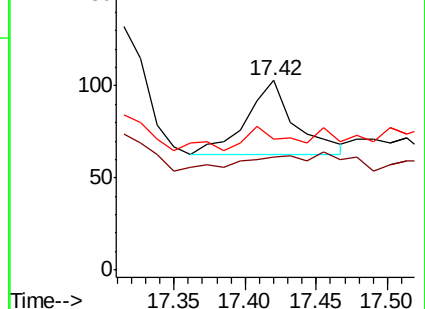
179 31.9 12.3 18.5#

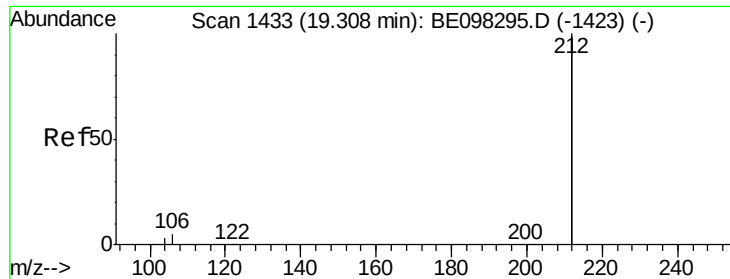


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.475 ng

RT: 19.31 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

Instrument :

BNA_E

ClientSampleId :

BP-DUP02-20181205

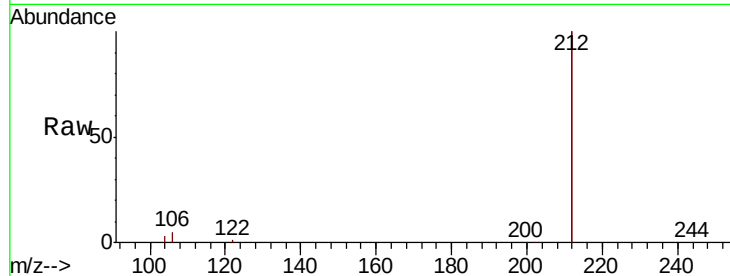
Tgt Ion:212 Resp: 57826

Ion Ratio Lower Upper

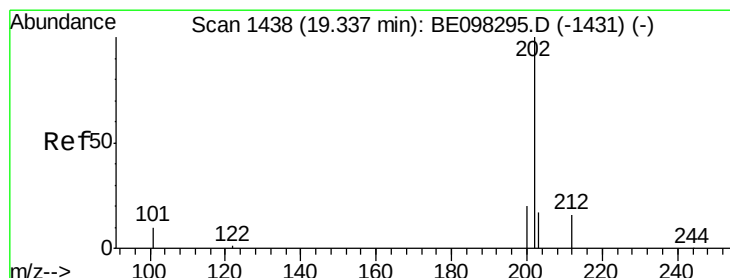
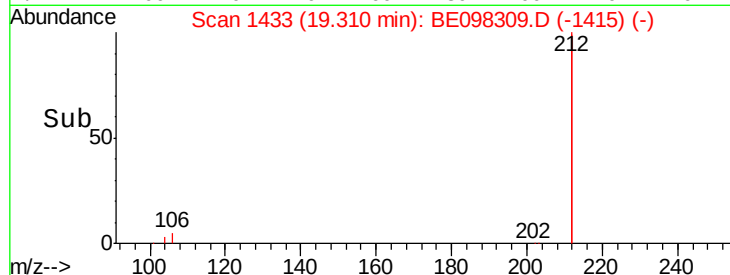
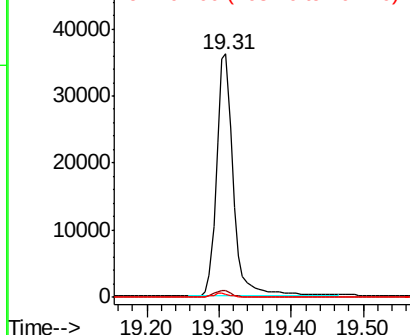
212 100

106 2.6 2.2 3.2

104 1.6 1.3 1.9



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: 19.34 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

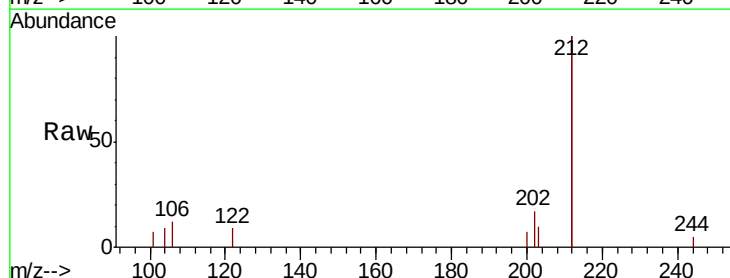
Tgt Ion:202 Resp: 223

Ion Ratio Lower Upper

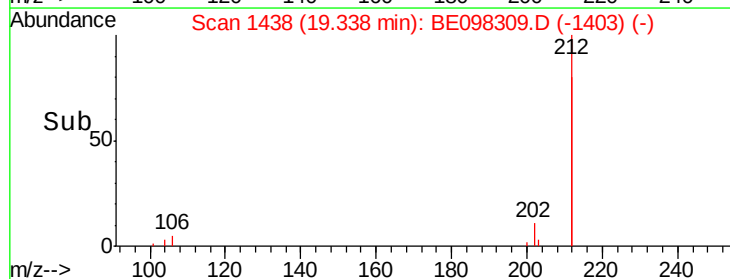
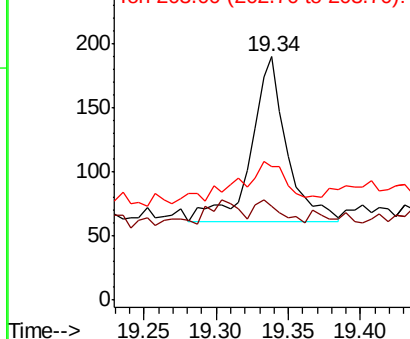
202 100

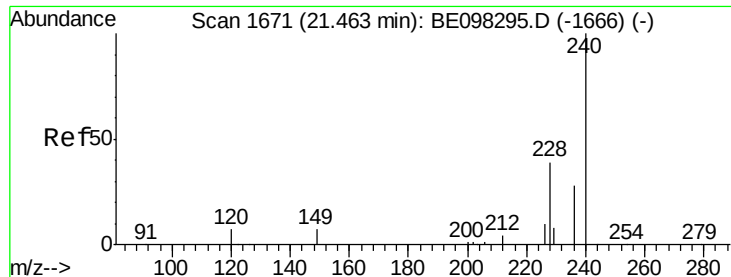
101 9.4 8.0 12.0

203 35.9 13.8 20.6#



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: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

Instrument :

BNA_E

ClientSampleId :

BP-DUP02-20181205

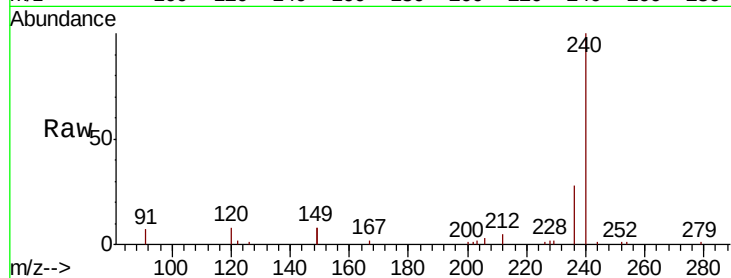
Tgt Ion:240 Resp: 12869

Ion Ratio Lower Upper

240 100

120 8.1 9.5 14.3#

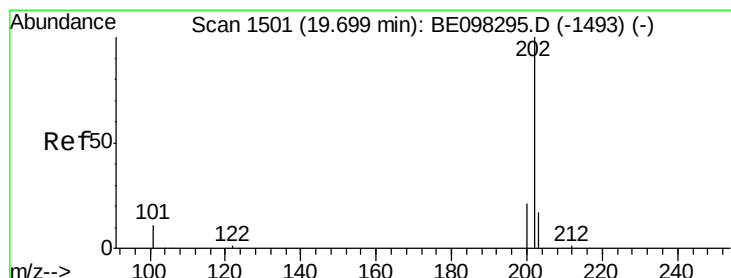
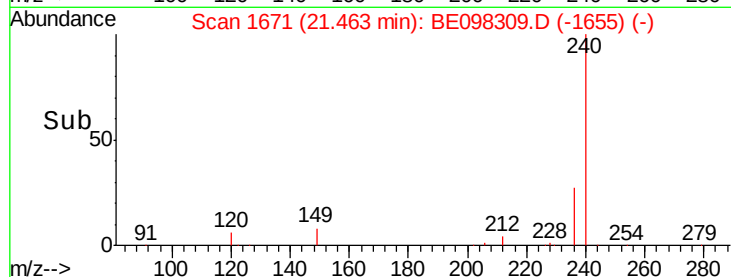
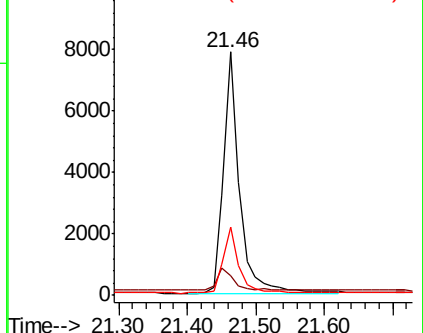
236 28.1 22.7 34.1



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: 0.005 ng

RT: 19.70 min Scan# 1501

Delta R.T. 0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

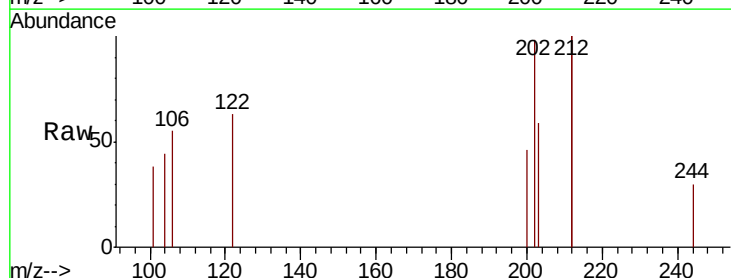
Tgt Ion:202 Resp: 204

Ion Ratio Lower Upper

202 100

200 25.5 16.7 25.1#

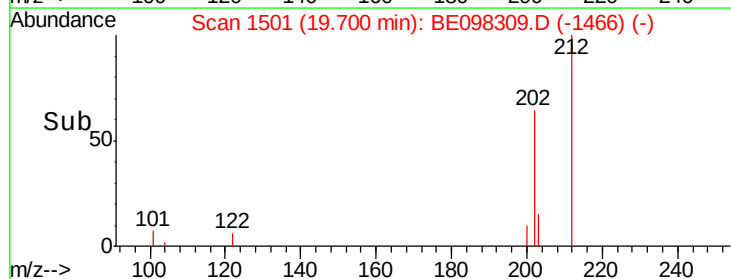
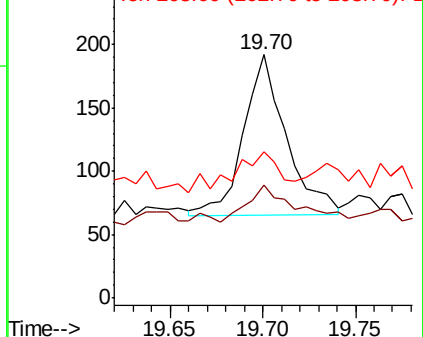
203 18.6 14.1 21.1

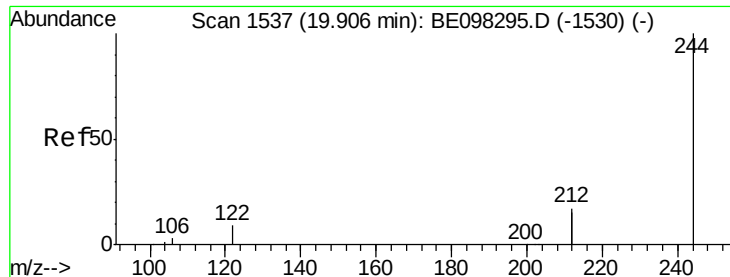


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.439 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

Instrument :

BNA_E

ClientSampleId :

BP-DUP02-20181205

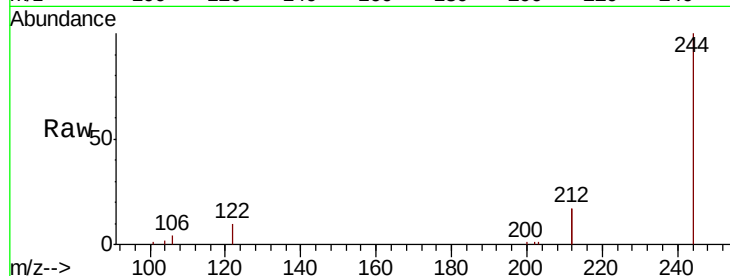
Tgt Ion:244 Resp: 13719

Ion Ratio Lower Upper

244 100

212 34.0 27.4 41.0

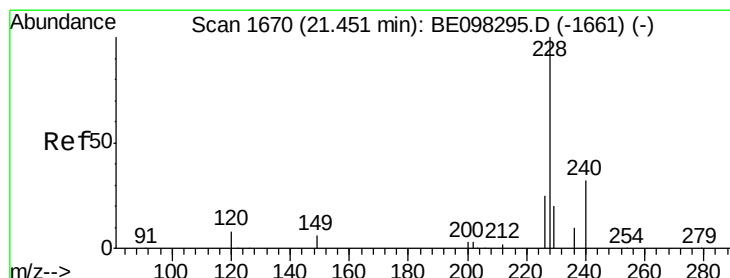
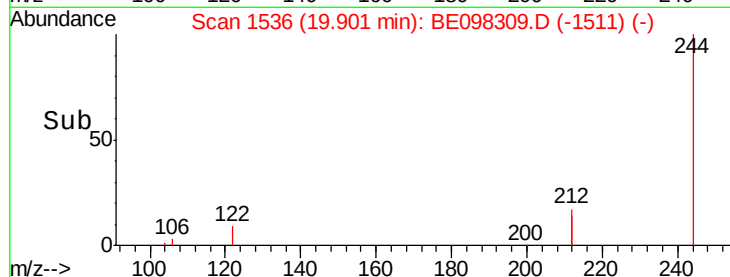
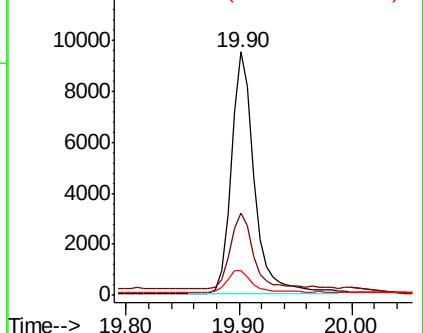
122 10.3 8.3 12.5



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: 0.006 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

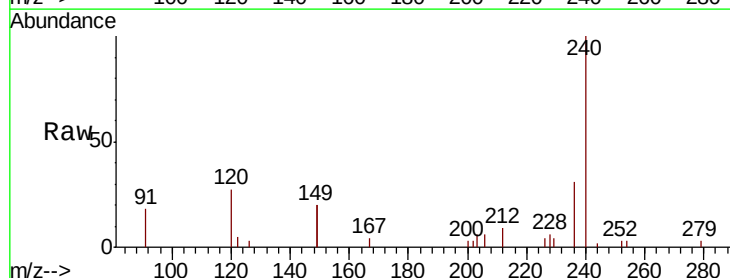
Tgt Ion:228 Resp: 232

Ion Ratio Lower Upper

228 100

226 59.3 21.8 32.8#

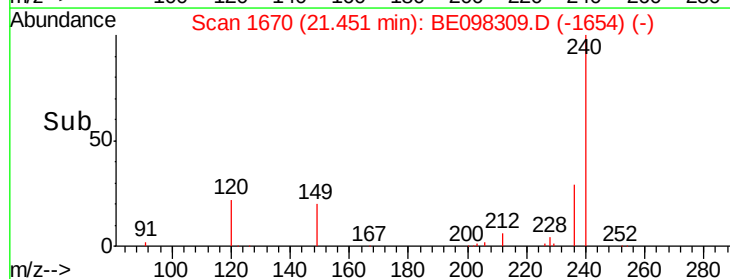
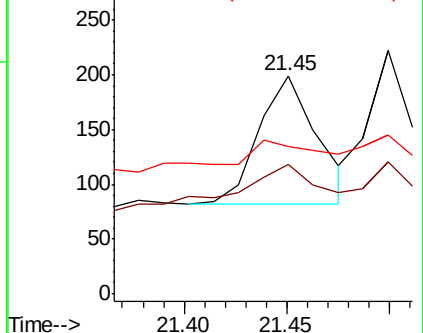
229 67.8 16.3 24.5#

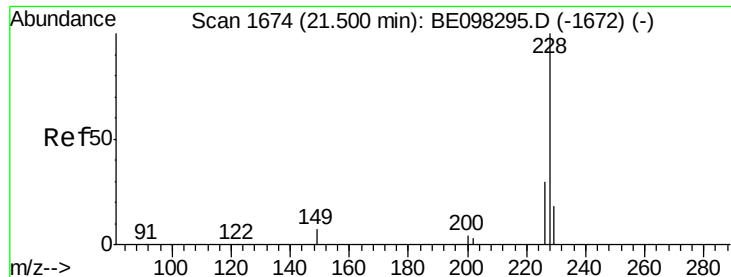


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.005 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

Instrument :

BNA_E

ClientSampleId :

BP-DUP02-20181205

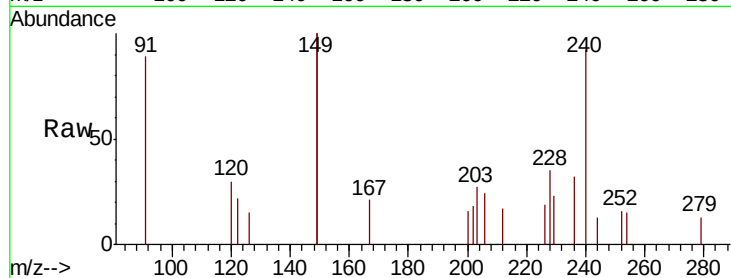
Tgt Ion:228 Resp: 206

Ion Ratio Lower Upper

228 100

226 54.5 23.4 35.0#

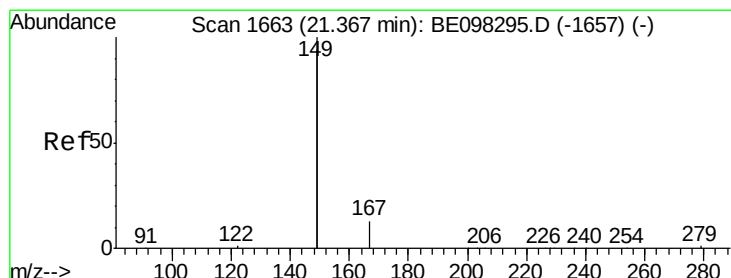
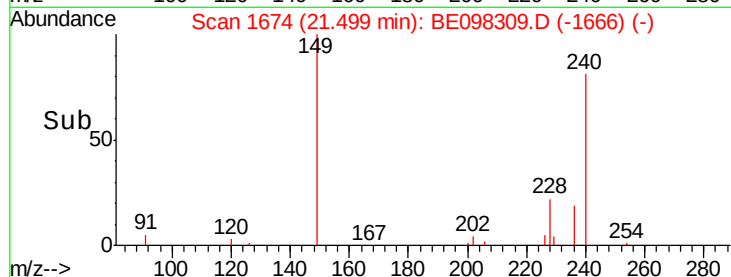
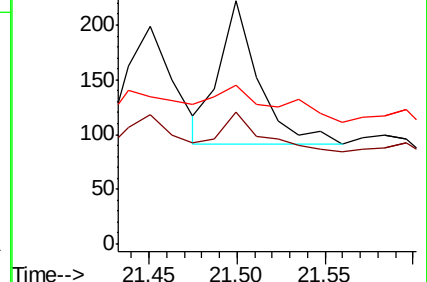
229 65.3 16.2 24.4#



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: 0.119 ng

RT: 21.37 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

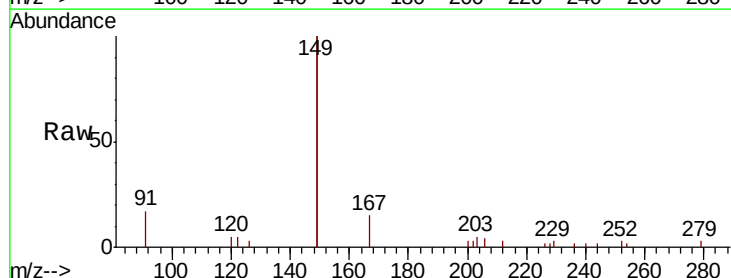
Tgt Ion:149 Resp: 8859

Ion Ratio Lower Upper

149 100

167 5.8 5.7 8.5

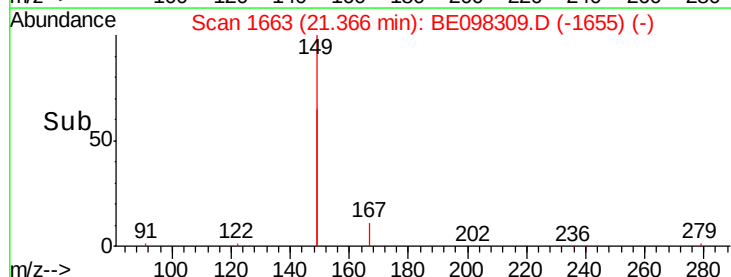
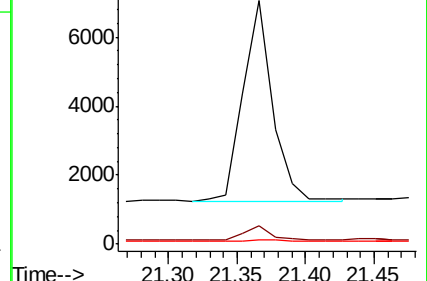
279 1.0 1.0 1.4

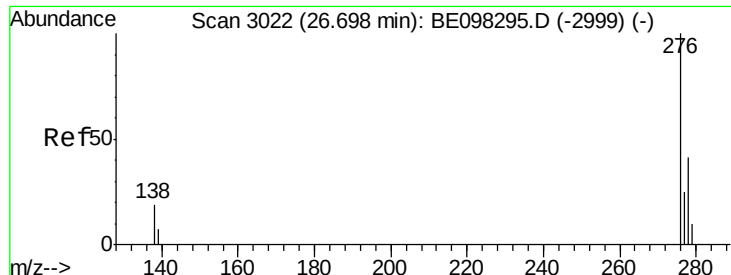


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.002 ng

RT: 26.69 min Scan# 3020

Delta R.T. -0.01 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

Instrument :

BNA_E

ClientSampleId :

BP-DUP02-20181205

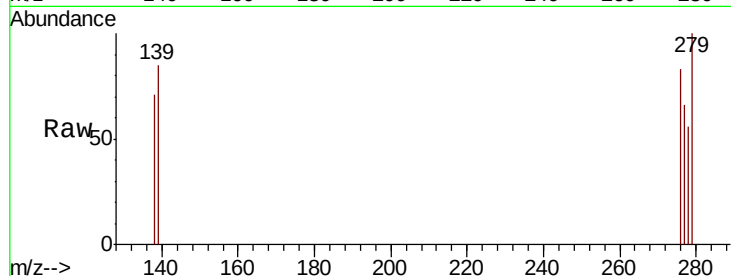
Tgt Ion:276 Resp: 61

Ion Ratio Lower Upper

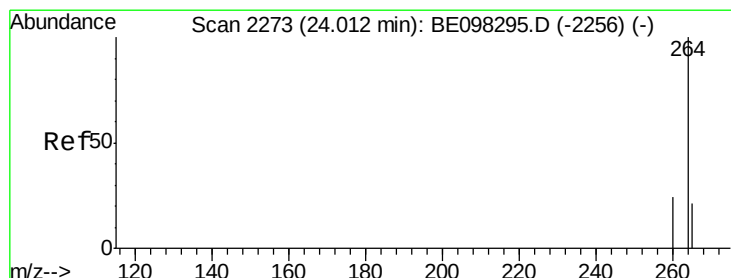
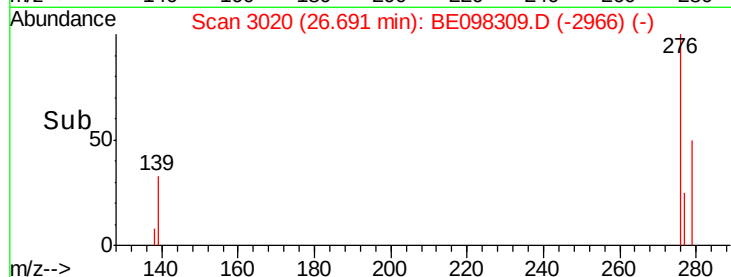
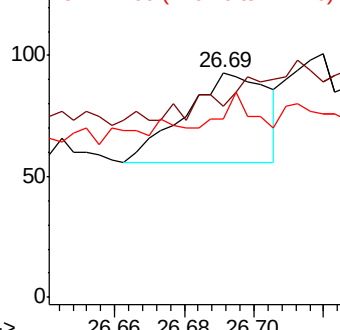
276 100

138 0.0 16.3 24.5#

277 11.5 20.2 30.4#



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: 24.01 min Scan# 2272

Delta R.T. -0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

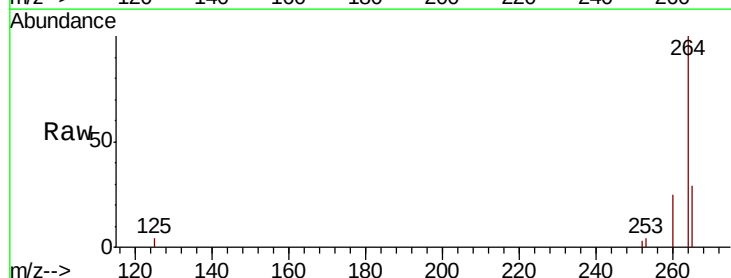
Tgt Ion:264 Resp: 12259

Ion Ratio Lower Upper

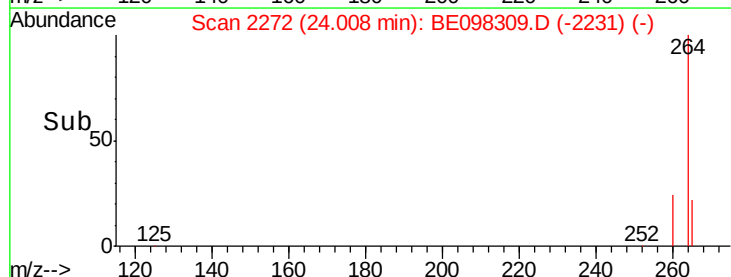
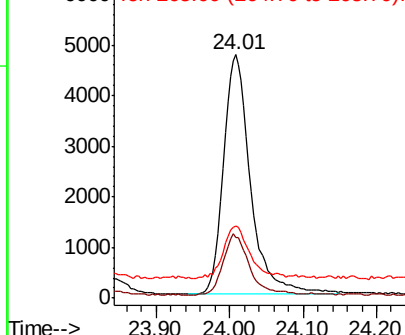
264 100

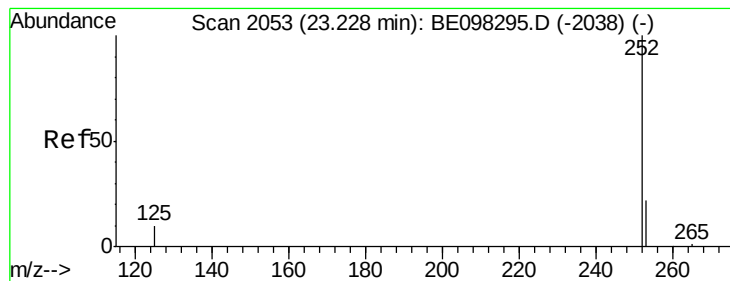
260 25.1 20.2 30.2

265 29.4 25.2 37.8



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: 0.008 ng

RT: 23.23 min Scan# 2055

Delta R.T. 0.01 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

Instrument :

BNA_E

ClientSampleId :

BP-DUP02-20181205

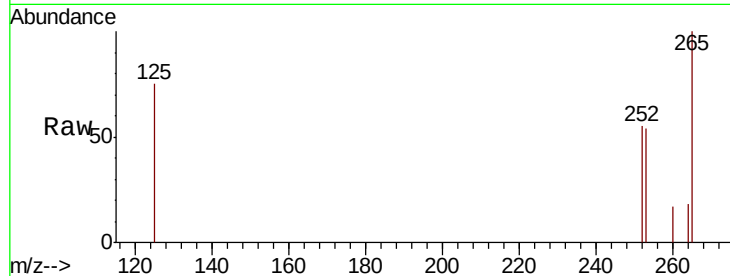
Tgt Ion:252 Resp: 266

Ion Ratio Lower Upper

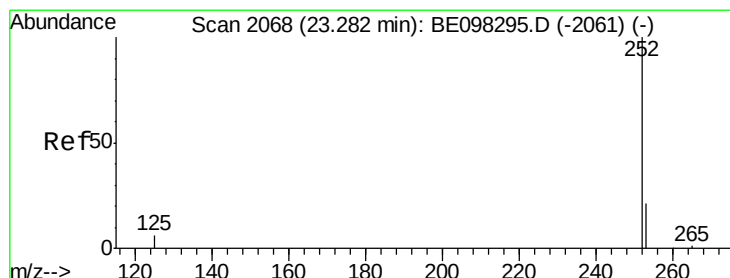
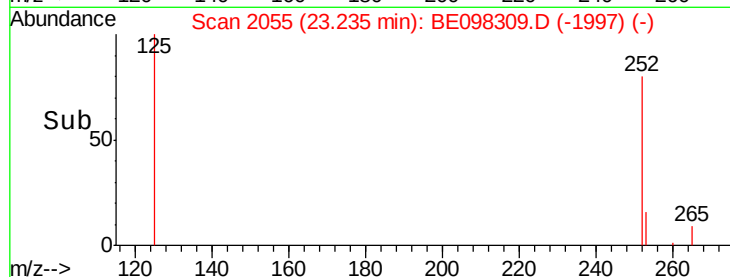
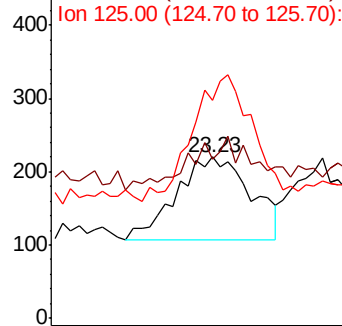
252 100

253 98.6 20.0 30.0#

125 135.5 9.6 14.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.005 ng

RT: 23.28 min Scan# 2069

Delta R.T. 0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

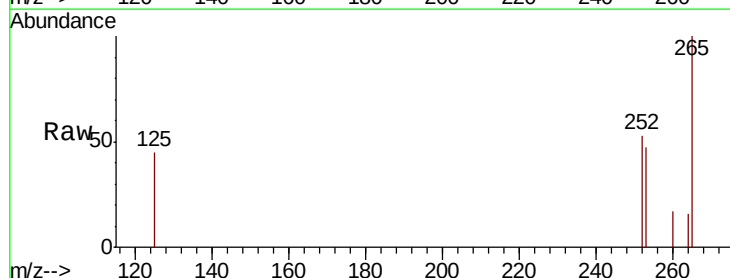
Tgt Ion:252 Resp: 207

Ion Ratio Lower Upper

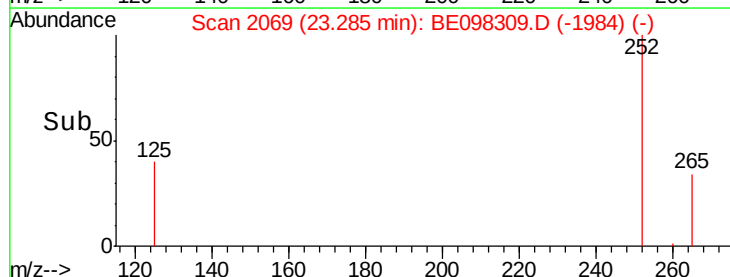
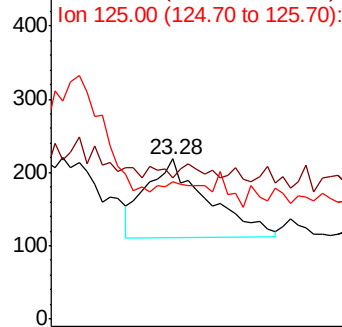
252 100

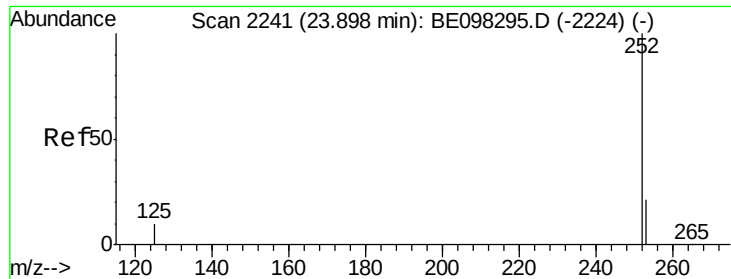
253 88.1 19.0 28.6#

125 85.8 9.1 13.7#



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: 0.006 ng

RT: 23.90 min Scan# 2241

Delta R.T. -0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

Instrument :

BNA_E

ClientSampleId :

BP-DUP02-20181205

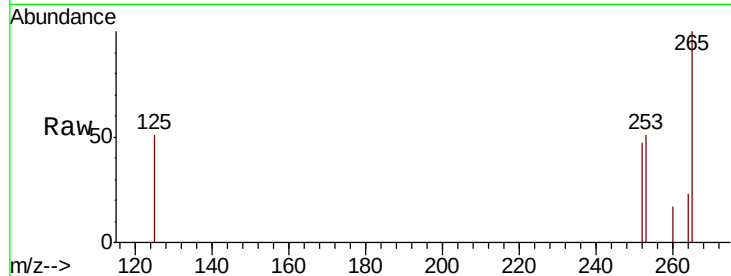
Tgt Ion: 252 Resp: 210

Ion Ratio Lower Upper

252 100

253 108.2 20.6 30.8#

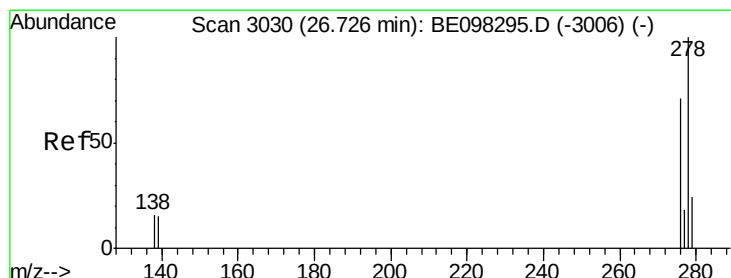
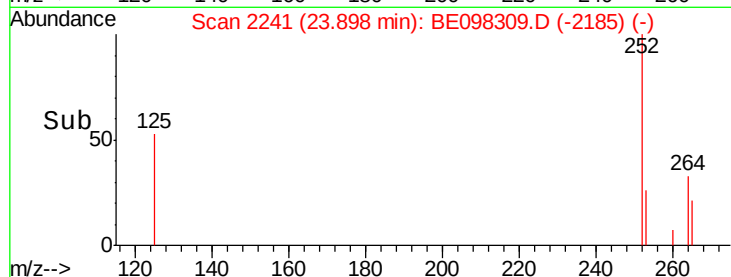
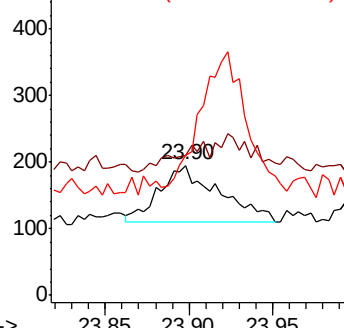
125 107.7 10.5 15.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.000 ng

RT: 26.73 min Scan# 3030

Delta R.T. 0.00 min

Lab File: BE098309.D

Acq: 10 Dec 2018 21:52

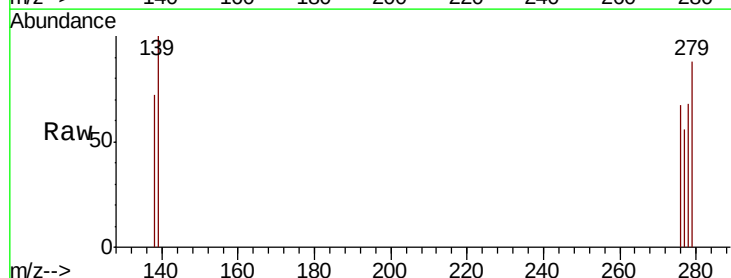
Tgt Ion: 278 Resp: 13

Ion Ratio Lower Upper

278 100

139 146.1 14.5 21.7#

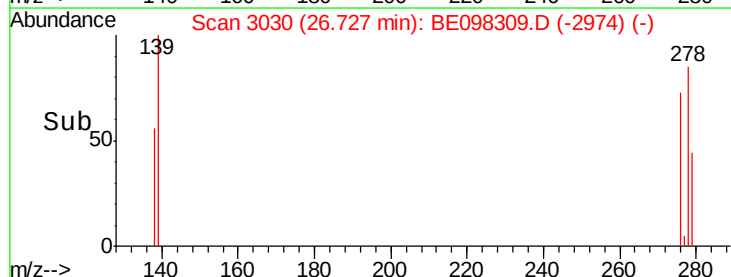
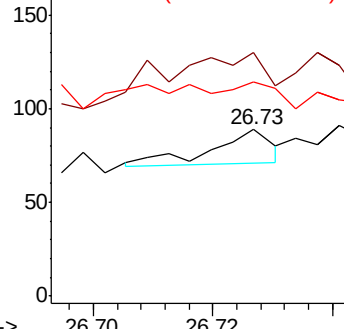
279 128.1 21.8 32.8#

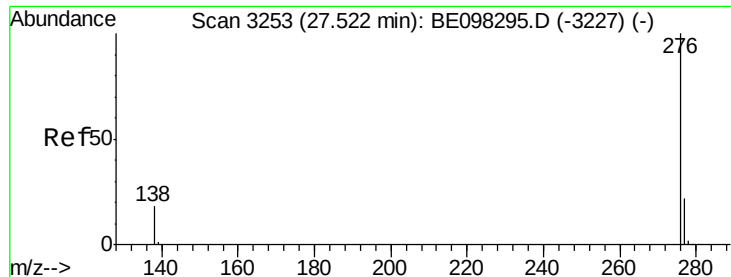


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.002 ng

RT: 27.53 min Scan# 3254

Delta R.T. 0.00 min

Lab File: BE098309.D

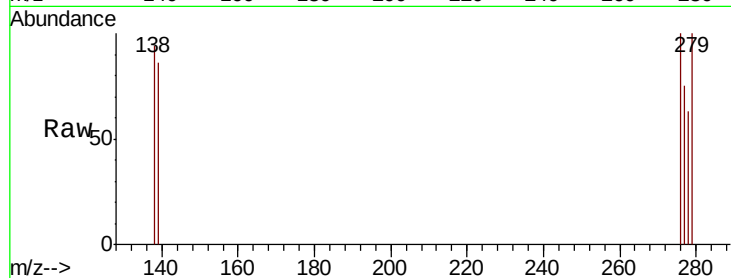
Acq: 10 Dec 2018 21:52

Instrument :

BNA_E

ClientSampleId :

BP-DUP02-20181205



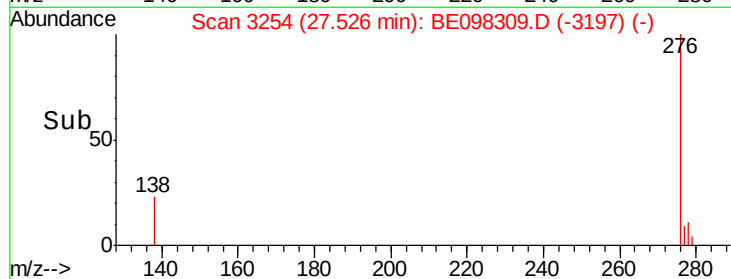
Tgt Ion: 276 Resp: 63

Ion Ratio Lower Upper

276 100

277 74.7 20.8 31.2#

138 93.9 15.8 23.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

