

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110127.D
 Acq On : 24 Oct 2018 20:51
 Operator : JU/SJ
 Sample : J5619-01 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

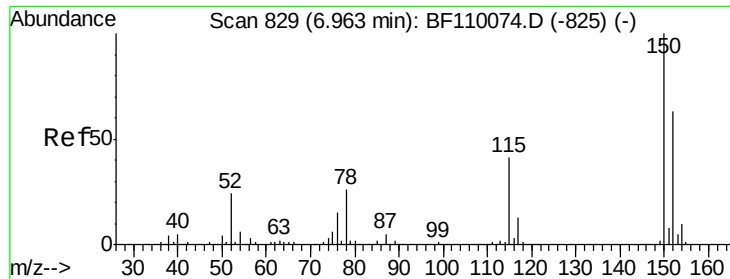
Quant Time: Oct 25 02:14:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	124598	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	453730	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	176405	20.00	ng	-0.02
64) Phenanthrene-d10	11.48	188	7258	20.00	ng	-0.04
76) Chrysene-d12	14.13	240	13154	20.00	ng	-0.03
87) Perylene-d12	15.73	264	197684	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	25186	3.29	ng	-0.02
7) Phenol-d6	6.58	99	32525	3.32	ng	-0.02
23) Nitrobenzene-d5	7.53	82	15728	2.06	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	4004	2.29	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	32236	2.87	ng	-0.01
79) Terphenyl-d14	13.11	244	26975	42.65	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.67	77	251	Below Cal		# 1
57) 2,4-Dinitrotoluene	10.01	165	22770	6.391	ng	# 20
66) n-Nitrosodiphenylamine	10.66	169	760	3.192	ng	# 1
67) 4-Bromophenyl-phenylether	11.03	248	683	8.675	ng	# 1
70) Pentachlorophenol	11.12	266	1463	30.036	ng	# 43
73) Carbazole	11.72	167	1074	2.890	ng	# 1
74) Di-n-butylphthalate	12.06	149	1241	2.956	ng	# 1
75) Fluoranthene	12.70	202	3158	8.194	ng	# 1
77) Benzidine	12.82	184	1222	2.236	ng	# 1
78) Pyrene	12.94	202	1985	2.105	ng	# 1
80) Butylbenzylphthalate	13.54	149	1502	3.670	ng	# 1
81) Benzo(a)anthracene	14.13	228	2469	3.165	ng	# 1
82) 3,3'-Dichlorobenzidine	14.09	252	1771	6.520	ng	# 1
84) Bis(2-ethylhexyl)phthalate	14.12	149	1373	2.481	ng	# 1

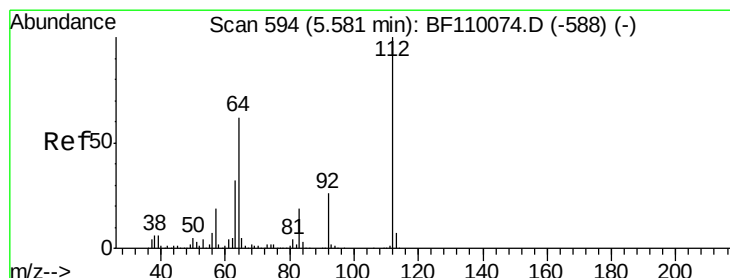
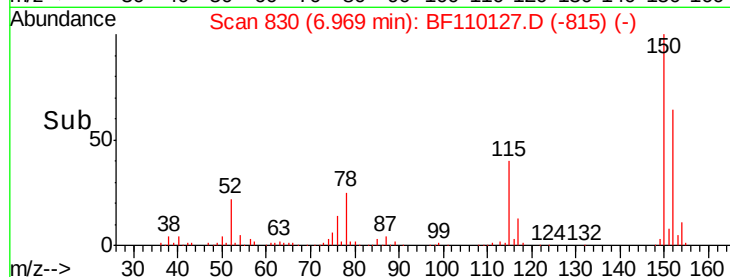
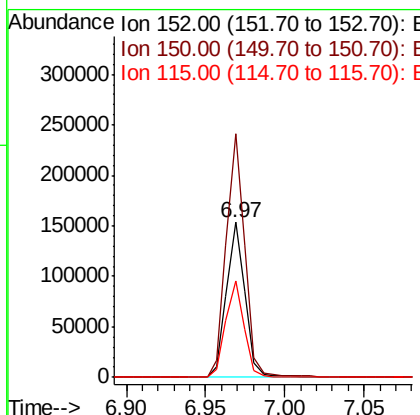
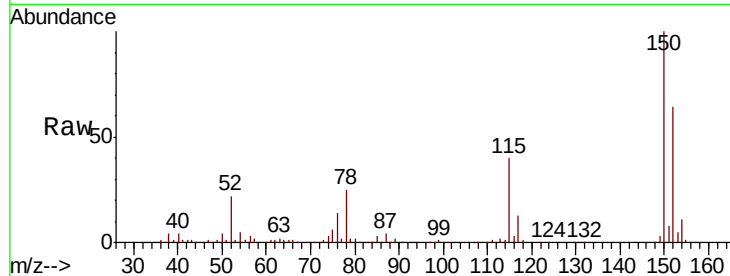
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF110127.D
 Acq: 24 Oct 2018 20:51

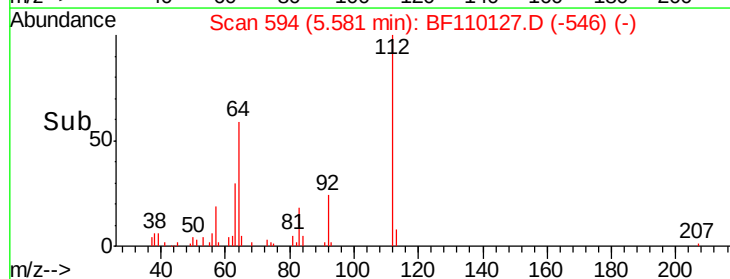
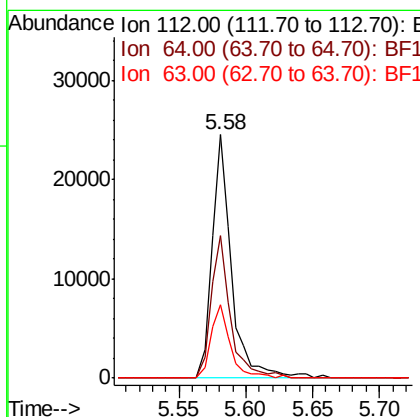
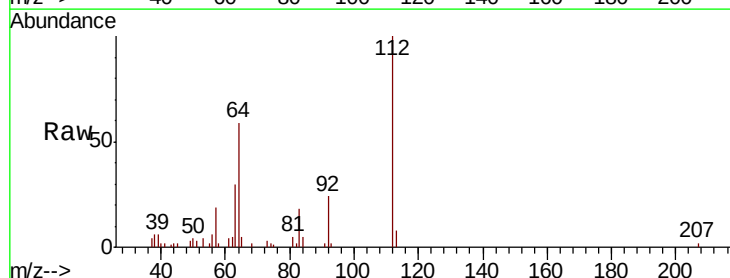
Instrument :
 BNA_F
 ClientSampleId :

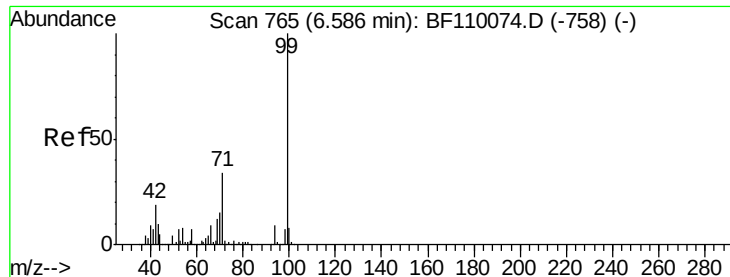
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	122.7	184.1
115	62.6	49.1	73.7



#5
 2-Fluorophenol
 Concen: 3.292 ng
 RT: 5.58 min Scan# 594
 Delta R.T. -0.02 min
 Lab File: BF110127.D
 Acq: 24 Oct 2018 20:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	44.1	66.1
63	30.2	23.7	35.5





#7

Phenol-d6

Concen: 3.323 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110127.D

Acq: 24 Oct 2018 20:51

Instrument :

BNA_F

ClientSampleId :

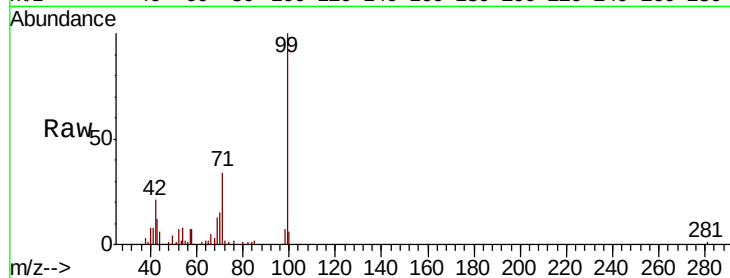
Tot Ion: 99 Resp: 32525

Ion Ratio Lower Upper

99 100

42 20.7 15.8 23.6

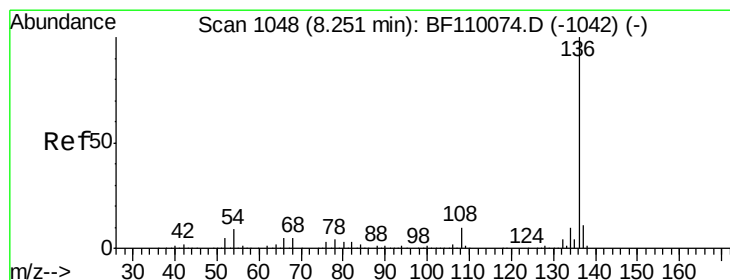
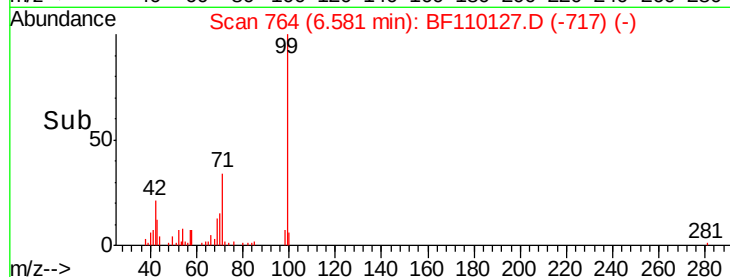
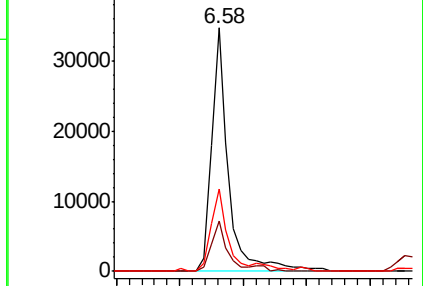
71 34.0 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF110127.D

Acq: 24 Oct 2018 20:51

Tgt Ion: 136 Resp: 453730

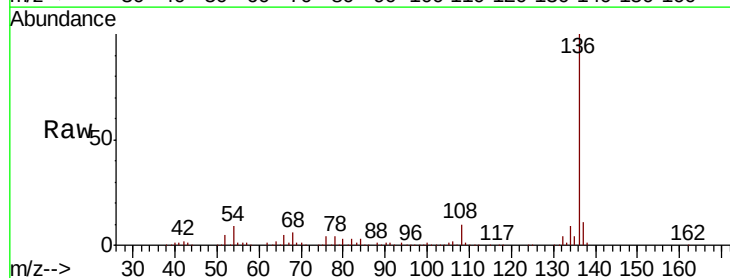
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.5 5.4 8.2#

68 5.8 4.2 6.2

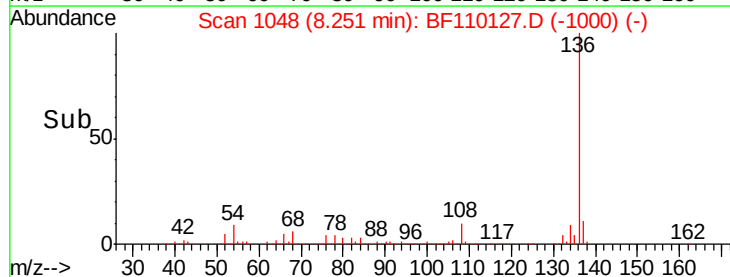
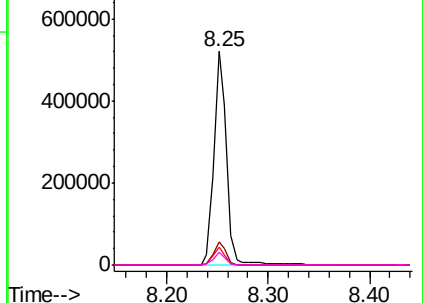


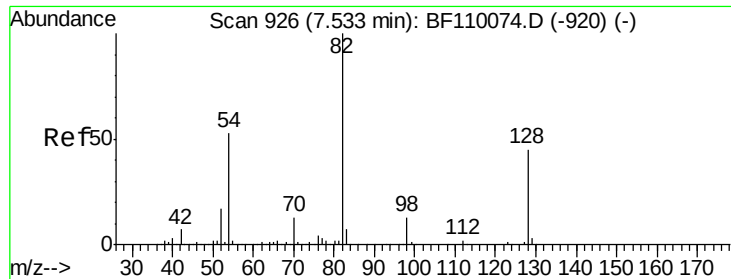
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

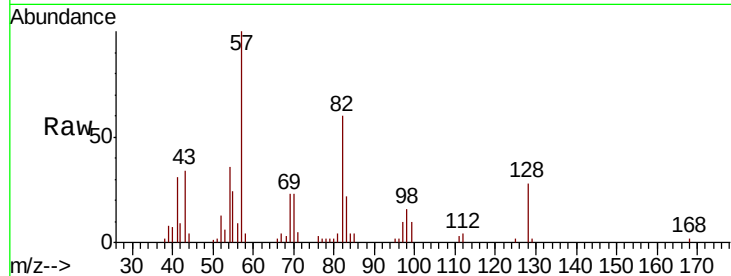




#23
Nitrobenzene-d5
Concen: 2.056 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110127.D
Acq: 24 Oct 2018 20:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	15728
Ion Ratio	Lower	Upper	
82	100		
128	46.1	34.2	51.2
54	59.5	38.6	58.0#

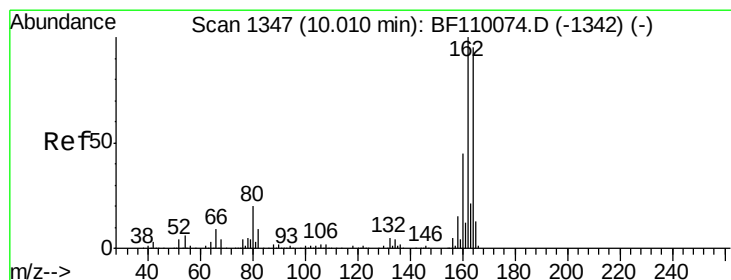
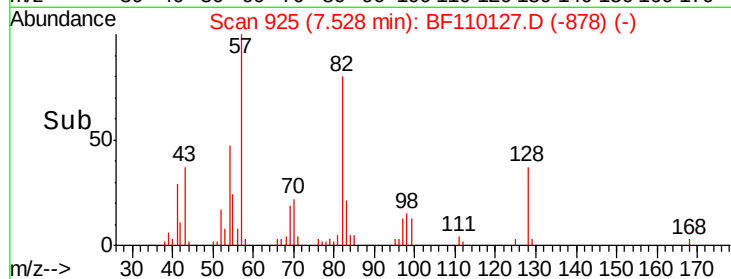
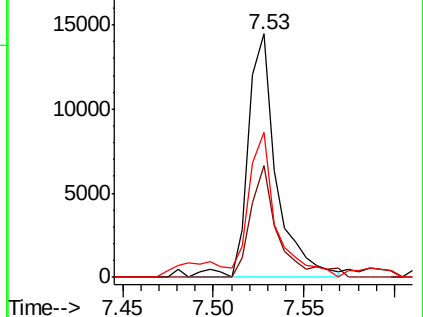


Abundance

Ion 82.00 (81.70 to 82.70): BF1

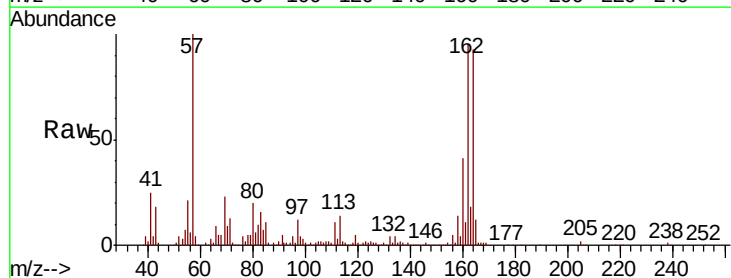
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110127.D
Acq: 24 Oct 2018 20:51

Tgt Ion	164	Resp	176405
Ion Ratio	Lower	Upper	
164	100		
162	102.6	83.0	124.6
160	43.8	37.0	55.6

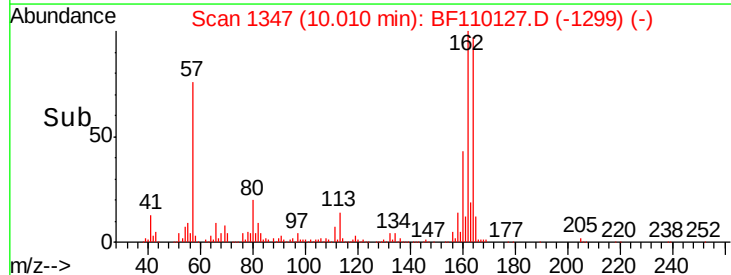
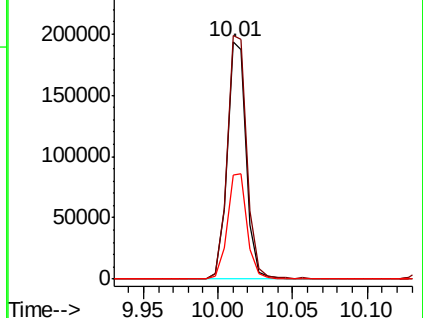


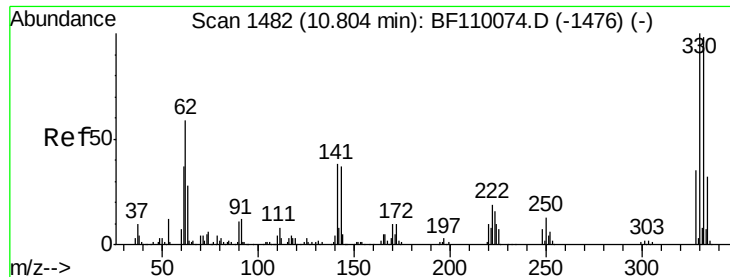
Abundance

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

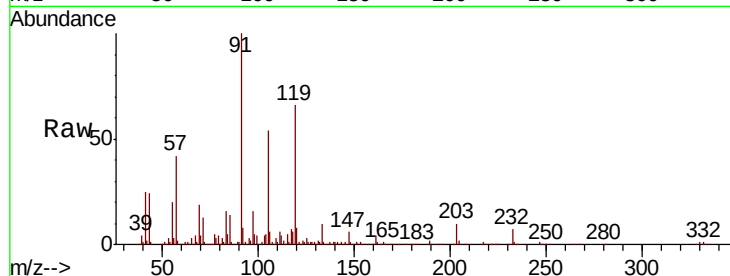




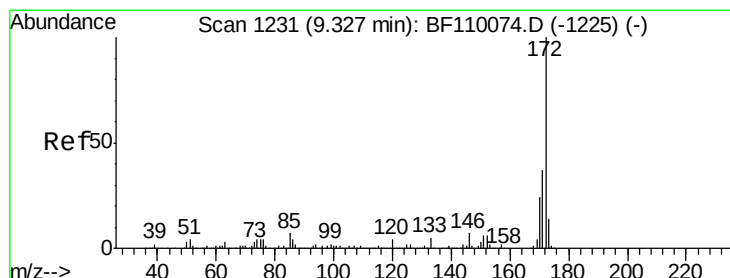
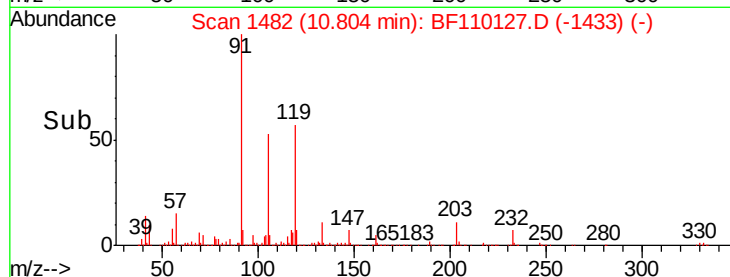
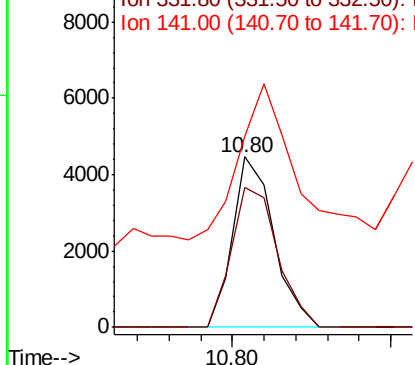
#42
 2,4,6-Tribromophenol
 Concen: 2.291 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF110127.D
 Acq: 24 Oct 2018 20:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 4004
 Ion Ratio Lower Upper
 330 100
 332 92.0 77.1 115.7
 141 138.1 27.0 40.4#

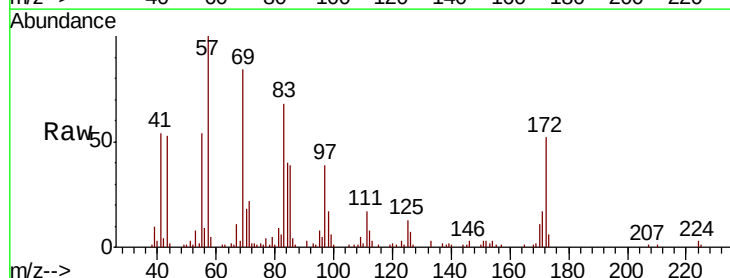


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

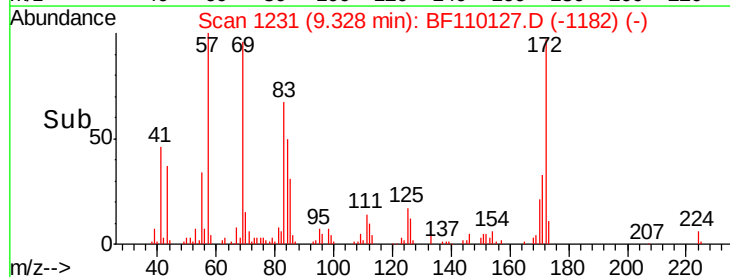
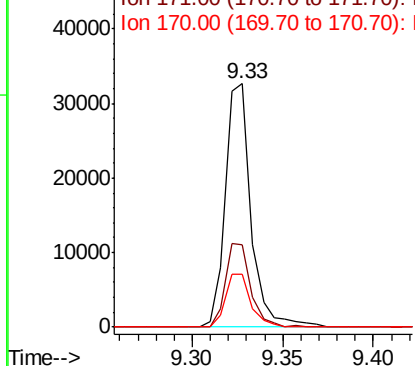


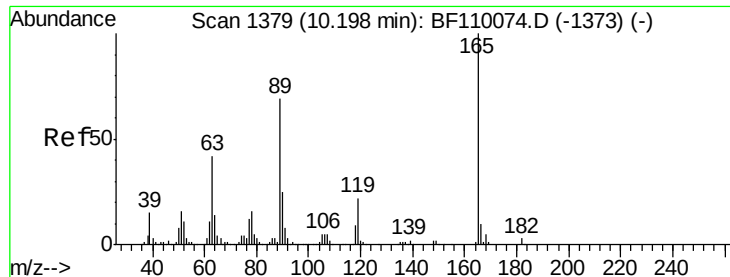
#45
 2-Fluorobiphenyl
 Concen: 2.869 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF110127.D
 Acq: 24 Oct 2018 20:51

Tgt Ion:172 Resp: 32236
 Ion Ratio Lower Upper
 172 100
 171 33.8 28.6 43.0
 170 21.9 19.7 29.5



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





#57

2,4-Dinitrotoluene

Concen: 6.391 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.20 min

Lab File: BF110127.D

Acq: 24 Oct 2018 20:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 22770

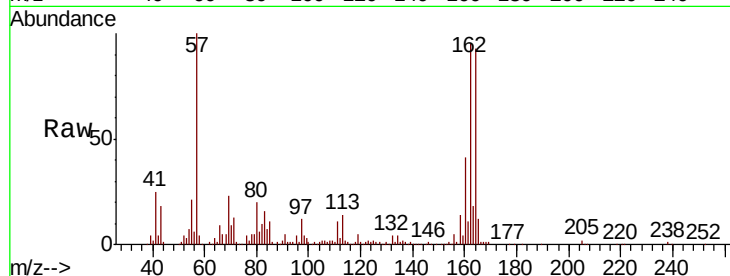
Ion Ratio Lower Upper

165 100

63 2.4 44.8 67.2#

89 2.1 62.2 93.4#

182 1.3 2.1 3.1#

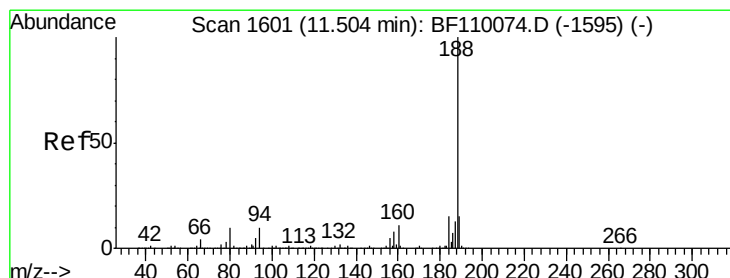
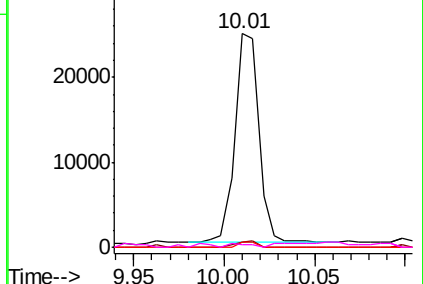
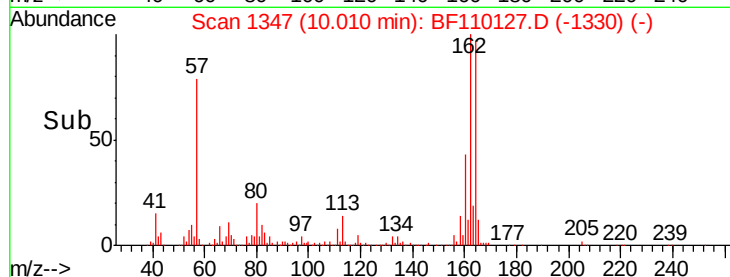


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.04 min

Lab File: BF110127.D

Acq: 24 Oct 2018 20:51

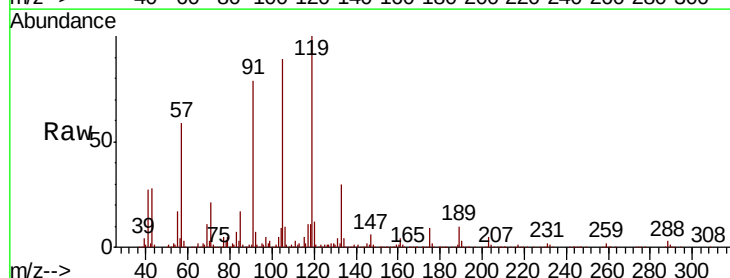
Tgt Ion:188 Resp: 7258

Ion Ratio Lower Upper

188 100

94 12.4 7.2 10.8#

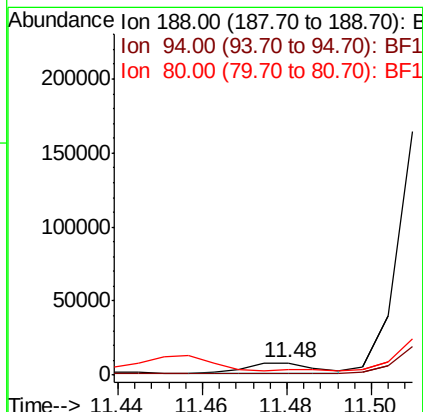
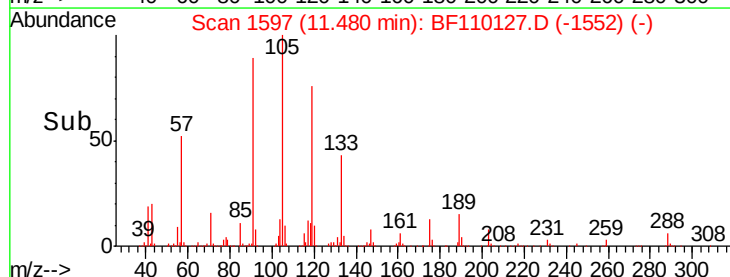
80 41.8 7.9 11.9#

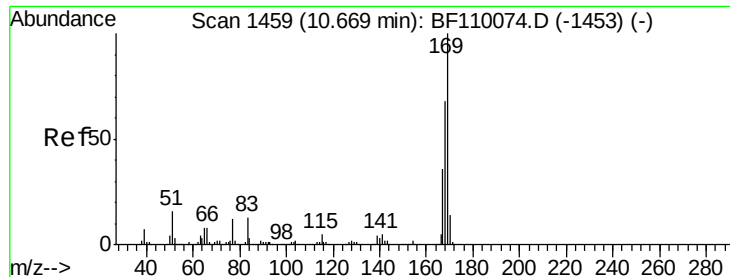


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#66

n-Nitrosodiphenylamine

Concen: 3.192 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF110127.D

Acq: 24 Oct 2018 20:51

Instrument :

BNA_F

ClientSampled :

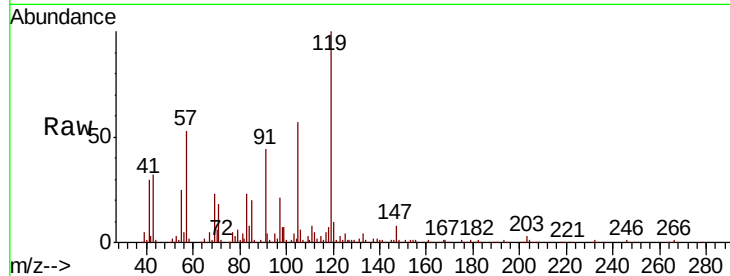
Tot Ion:169 Resp: 760

Ion Ratio Lower Upper

169 100

168 181.3 51.2 76.8#

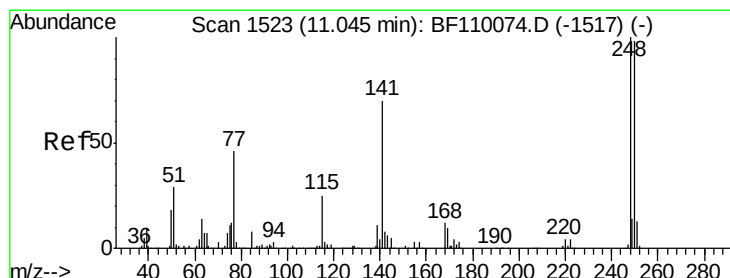
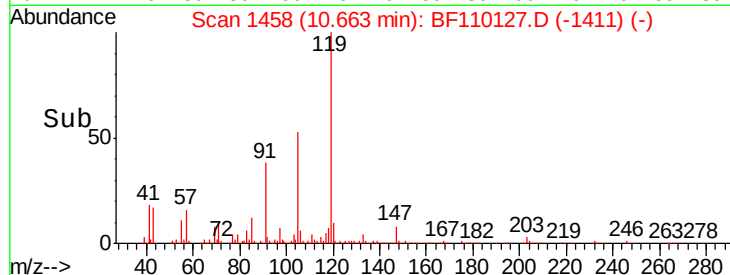
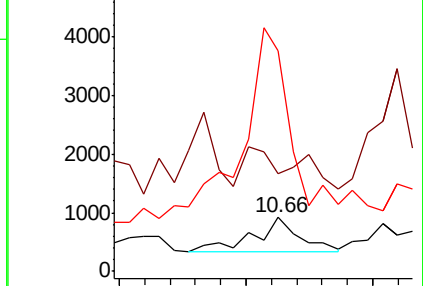
167 407.8 27.8 41.6#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#67

4-Bromophenyl-phenylether

Concen: 8.675 ng

RT: 11.03 min Scan# 1520

Delta R.T. -0.03 min

Lab File: BF110127.D

Acq: 24 Oct 2018 20:51

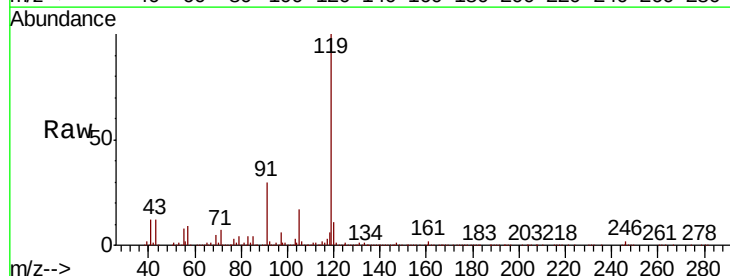
Tgt Ion:248 Resp: 683

Ion Ratio Lower Upper

248 100

250 0.0 79.4 119.2#

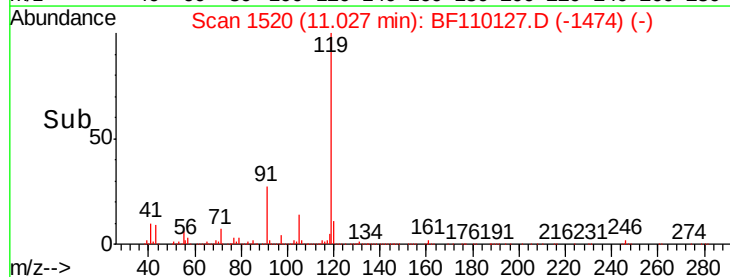
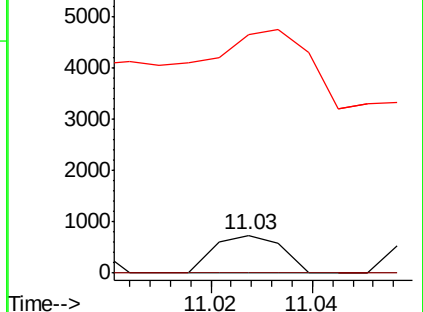
141 632.4 55.9 83.9#

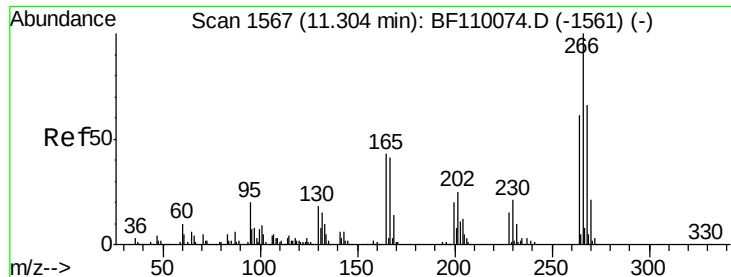


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Pentachlorophenol

Concen: 30.036 ng

RT: 11.12 min Scan# 1535

Delta R.T. -0.20 min

Lab File: BF110127.D

Acq: 24 Oct 2018 20:51

Instrument :

BNA_F

ClientSampleId :

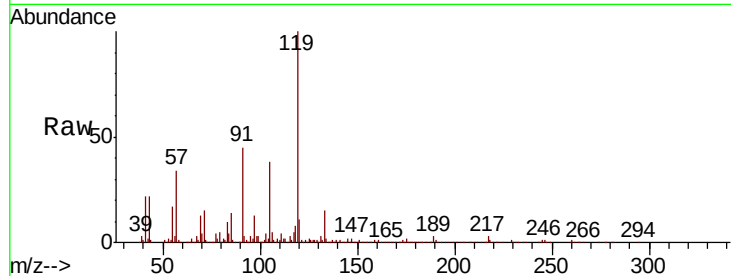
Tot Ion:266 Resp: 1463

Ion Ratio Lower Upper

266 100

268 0.0 50.6 75.8#

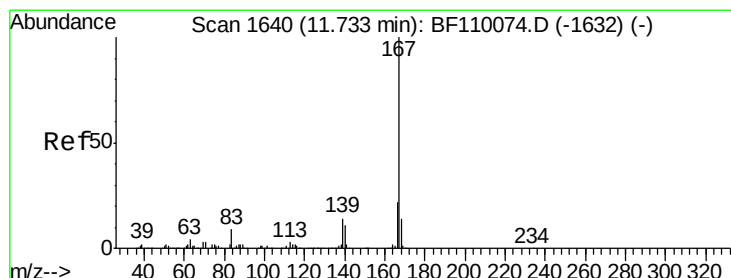
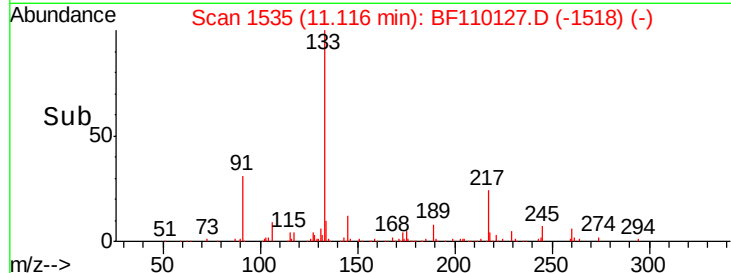
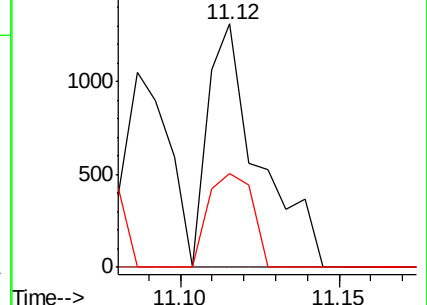
264 38.3 50.6 75.8#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#73

Carbazole

Concen: 2.890 ng

RT: 11.72 min Scan# 1637

Delta R.T. -0.03 min

Lab File: BF110127.D

Acq: 24 Oct 2018 20:51

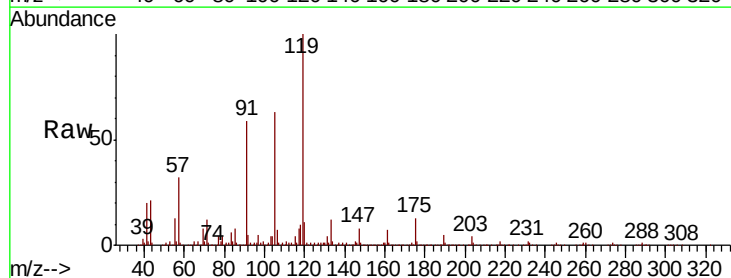
Tgt Ion:167 Resp: 1074

Ion Ratio Lower Upper

167 100

166 70.7 17.4 26.0#

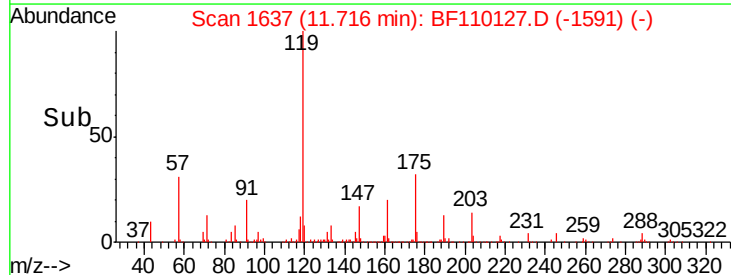
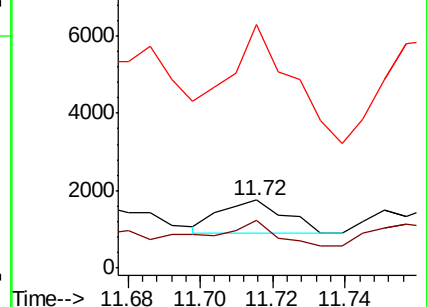
139 359.0 10.9 16.3#

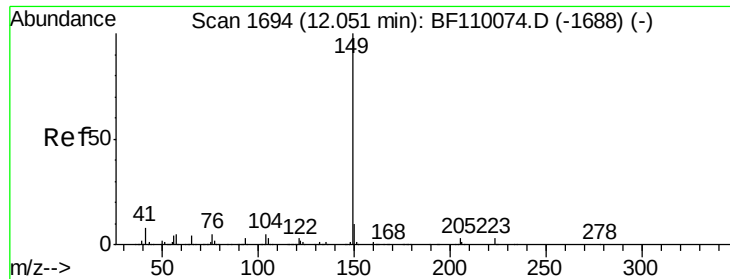


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 2.956 ng

RT: 12.06 min Scan# 1695

Delta R.T. -0.01 min

Lab File: BF110127.D

Acq: 24 Oct 2018 20:51

Instrument :

BNA_F

ClientSampled :

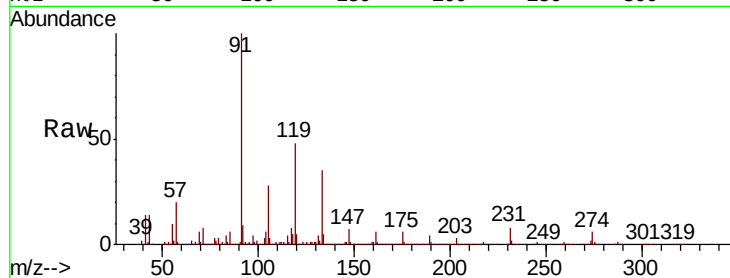
Tot Ion:149 Resp: 1241

Ion Ratio Lower Upper

149 100

150 22.2 7.7 11.5#

104 5712.8 4.2 6.4#

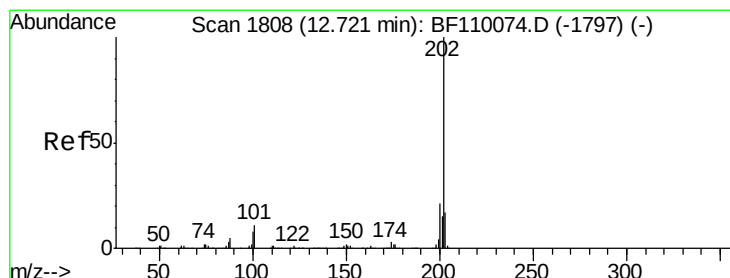
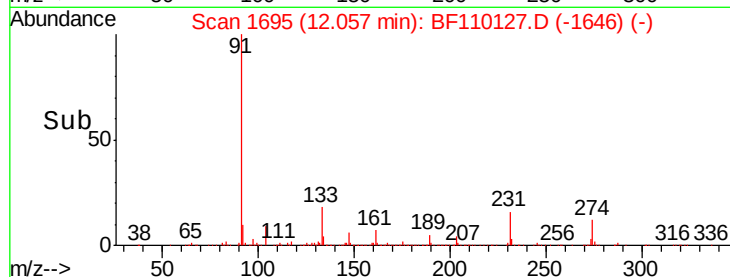
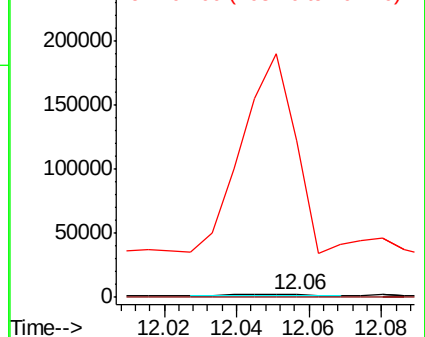


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 8.194 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.03 min

Lab File: BF110127.D

Acq: 24 Oct 2018 20:51

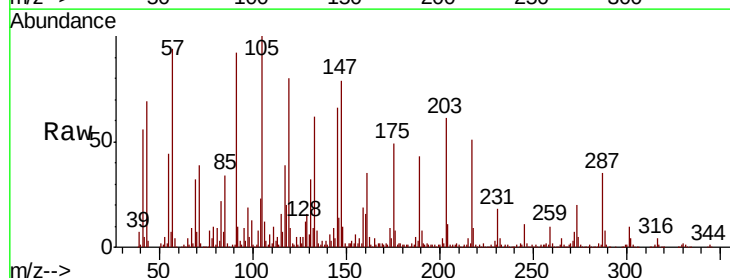
Tgt Ion:202 Resp: 3158

Ion Ratio Lower Upper

202 100

101 16.5 0.0 31.4

203 2787.4 0.0 37.7#

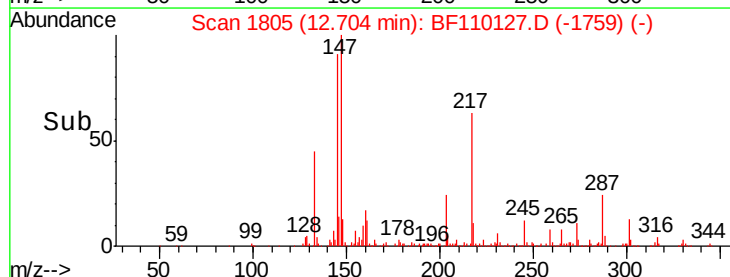
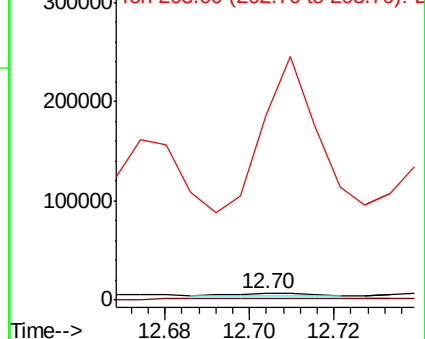


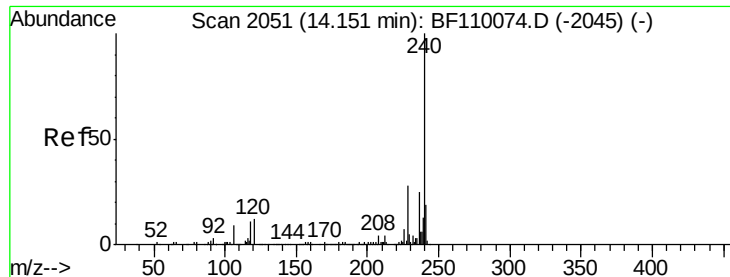
Abundance

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

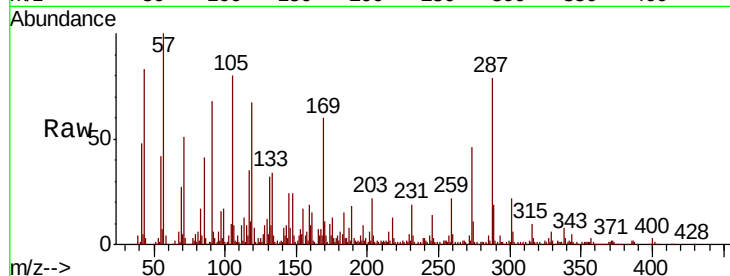




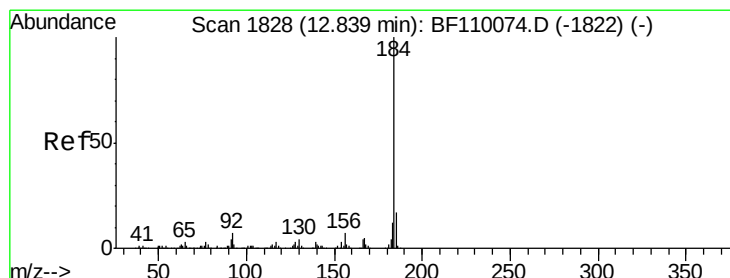
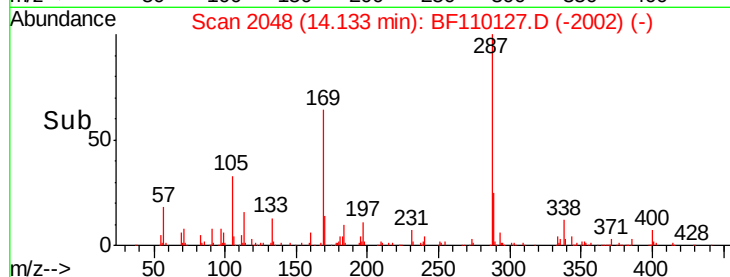
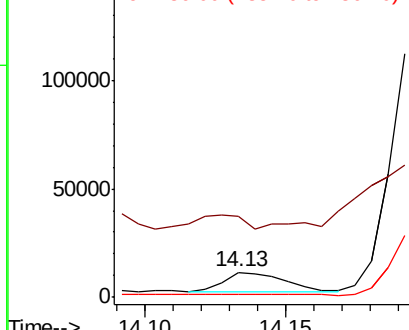
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.03 min
 Lab File: BF110127.D
 Acq: 24 Oct 2018 20:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 13154
 Ion Ratio Lower Upper
 240 100
 120 323.6 8.3 12.5#
 236 12.8 21.2 31.8#

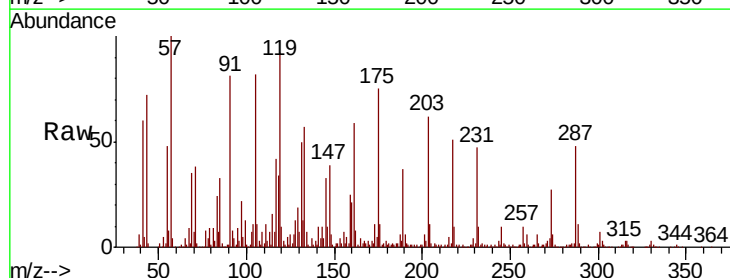


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

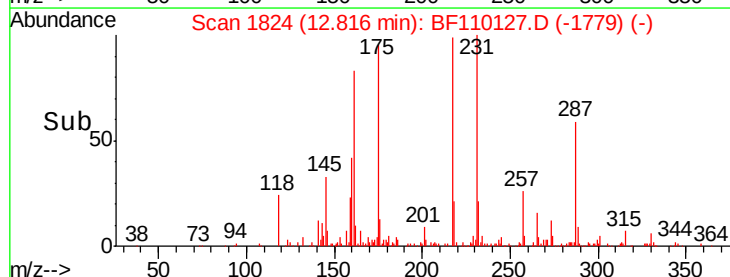
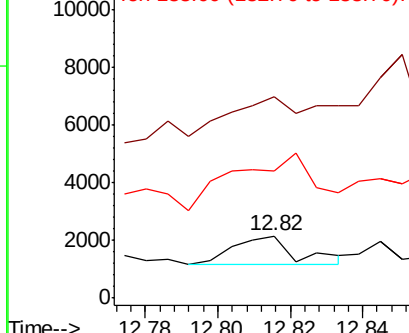


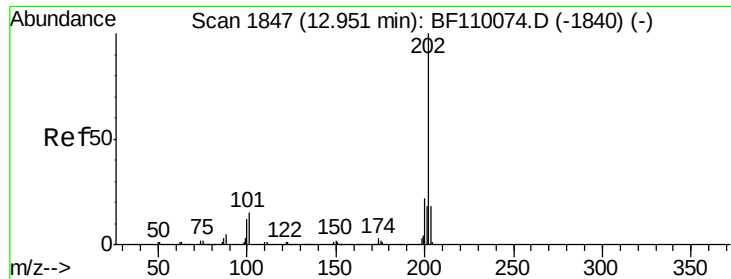
#77
 Benzidine
 Concen: 2.236 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.04 min
 Lab File: BF110127.D
 Acq: 24 Oct 2018 20:51

Tgt Ion:184 Resp: 1222
 Ion Ratio Lower Upper
 184 100
 185 321.3 13.4 20.2#
 183 204.2 9.4 14.2#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 185.00 (184.70 to 185.70): E
 Ion 183.00 (182.70 to 183.70): E

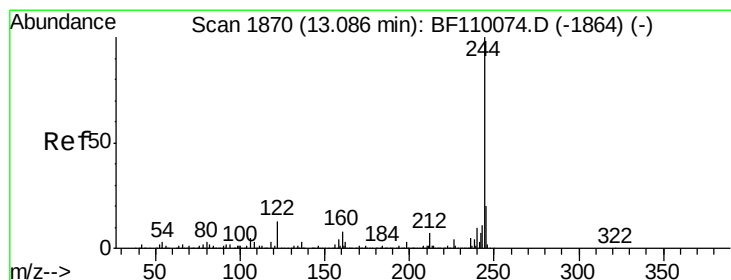
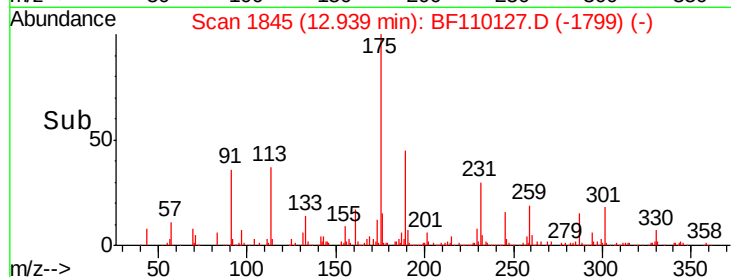
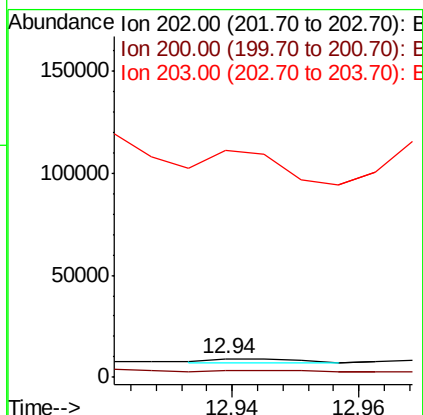
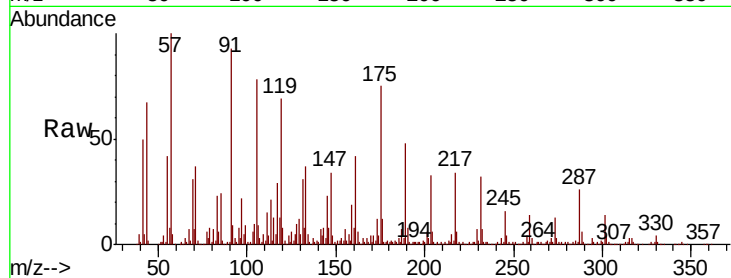




#78
Pvrene
Concen: 2.105 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.03 min
Lab File: BF110127.D
Acq: 24 Oct 2018 20:51

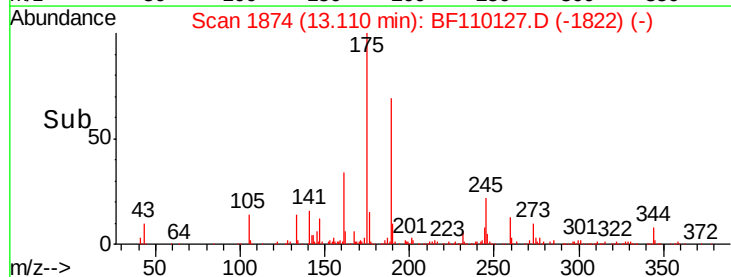
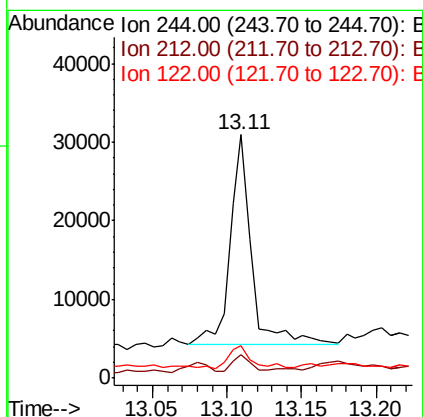
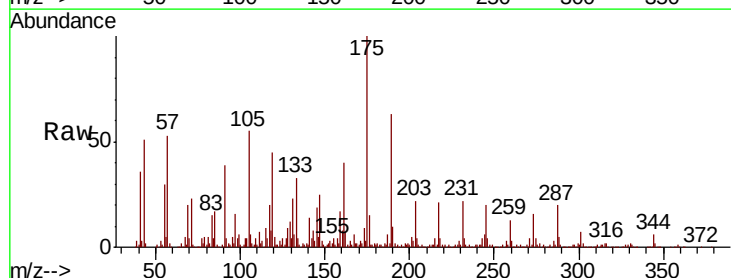
Instrument :
BNA_F
ClientSampleId :

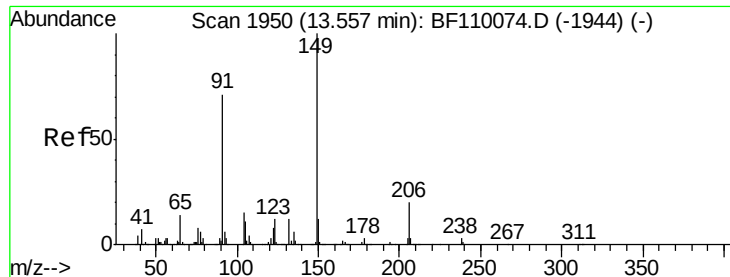
Tot Ion:202 Resp: 1985
Ion Ratio Lower Upper
202 100
200 34.7 17.8 26.6#
203 1214.7 14.2 21.4#



#79
Terphenyl-d14
Concen: 42.649 ng
RT: 13.11 min Scan# 1874
Delta R.T. 0.01 min
Lab File: BF110127.D
Acq: 24 Oct 2018 20:51

Tgt Ion:244 Resp: 26975
Ion Ratio Lower Upper
244 100
212 9.7 5.8 8.8#
122 13.4 8.7 13.1#

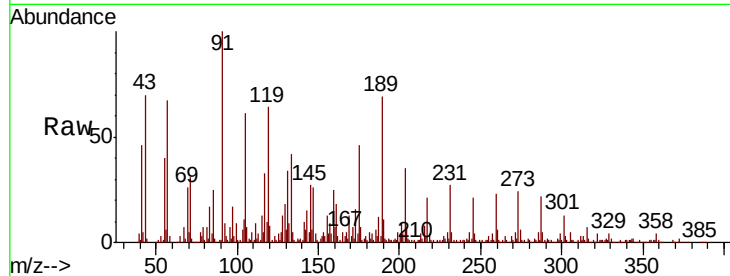




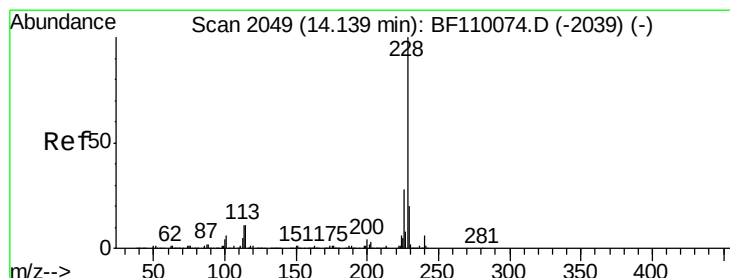
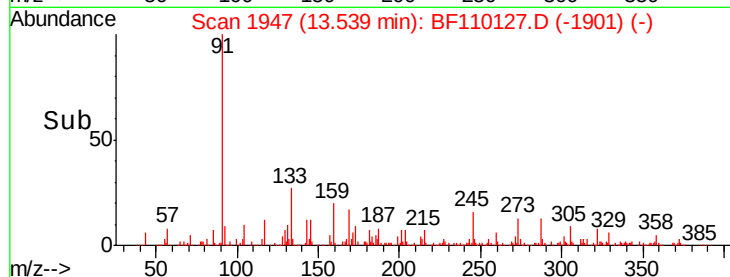
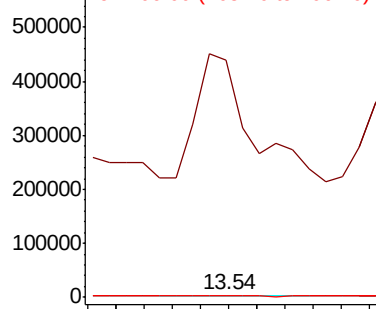
#80
Butylbenzylphthalate
Concen: 3.670 ng
RT: 13.54 min Scan# 1947
Delta R.T. -0.03 min
Lab File: BF110127.D
Acq: 24 Oct 2018 20:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 1502
Ion Ratio Lower Upper
149 100
91 12232.7 57.2 85.8#
206 62.5 15.7 23.5#

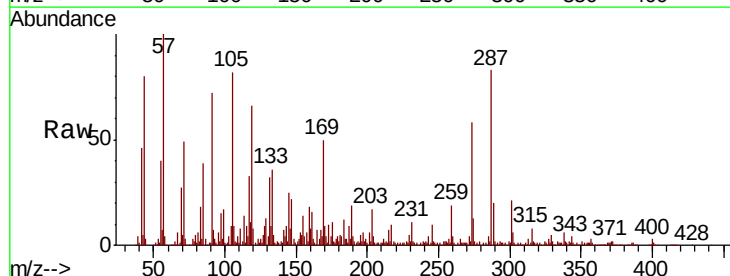


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E

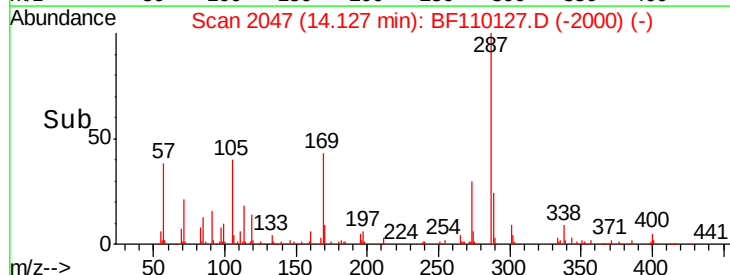
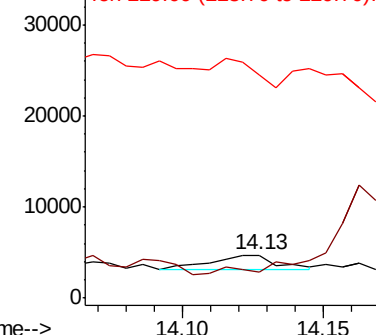


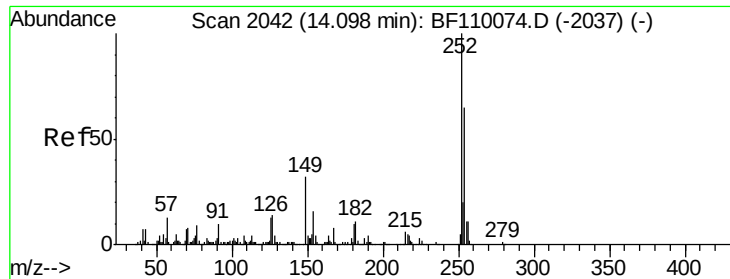
#81
Benzo(a)anthracene
Concen: 3.165 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BF110127.D
Acq: 24 Oct 2018 20:51

Tgt Ion:228 Resp: 2469
Ion Ratio Lower Upper
228 100
226 60.7 22.1 33.1#
229 520.8 15.6 23.4#



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

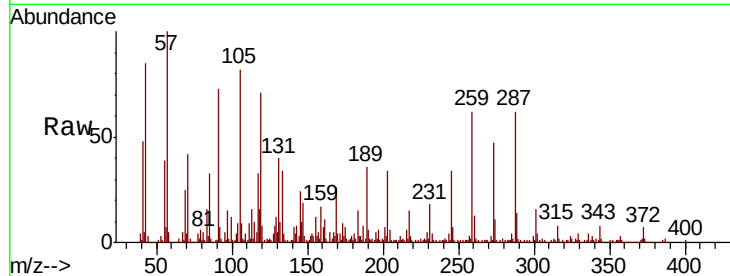




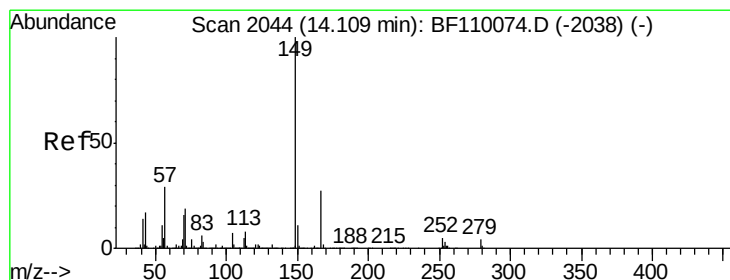
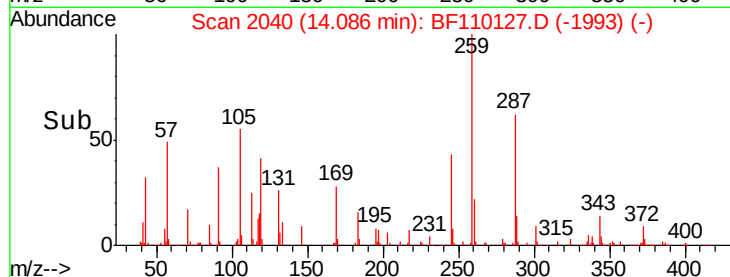
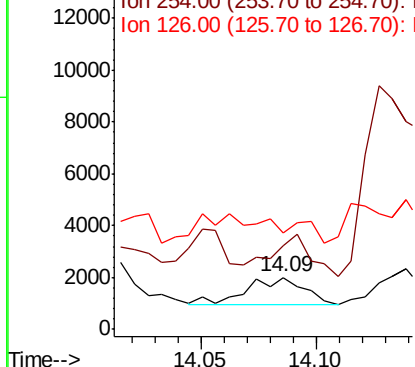
#82
 3,3'-Dichlorobenzidine
 Concen: 6.520 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. -0.02 min
 Lab File: BF110127.D
 Acq: 24 Oct 2018 20:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:252 Resp: 1771
 Ion Ratio Lower Upper
 252 100
 254 161.5 51.3 76.9#
 126 186.4 9.4 14.2#

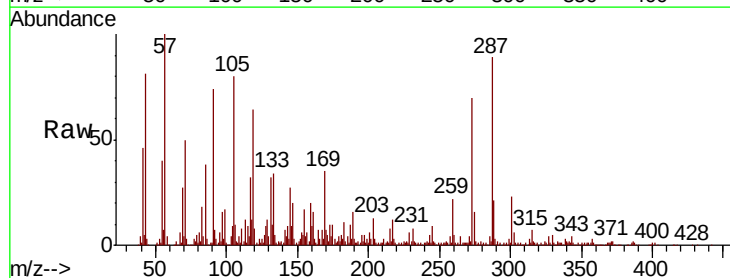


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

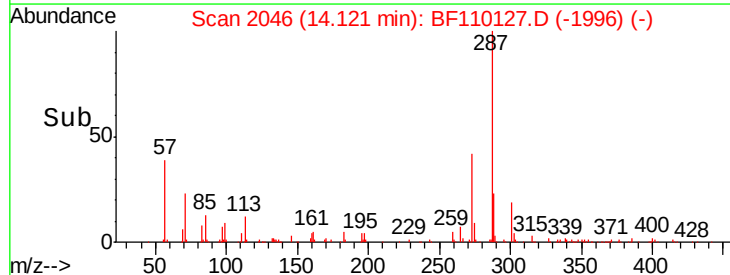
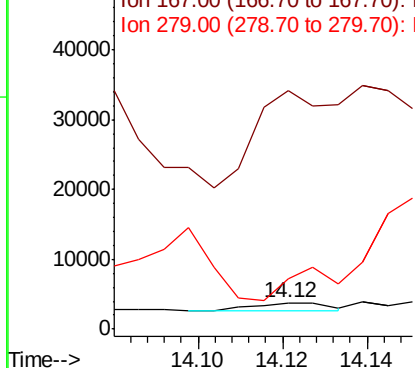


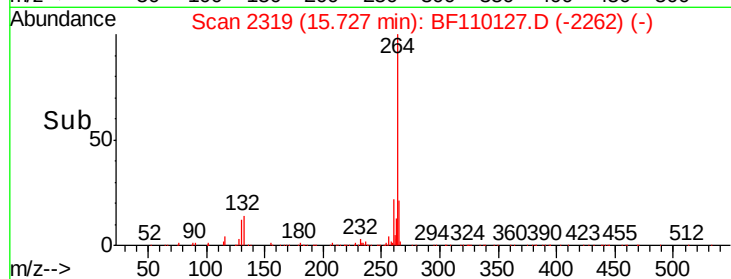
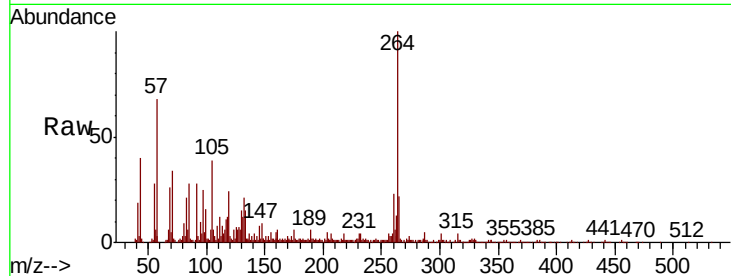
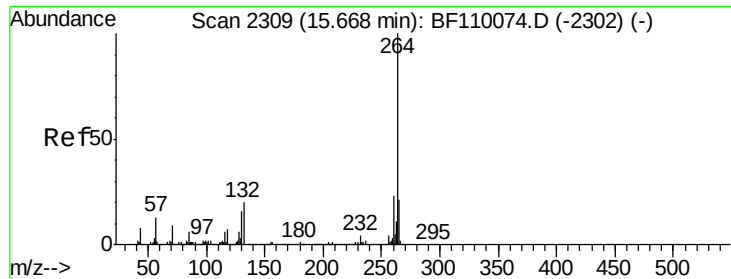
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.481 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. -0.01 min
 Lab File: BF110127.D
 Acq: 24 Oct 2018 20:51

Tgt Ion:149 Resp: 1373
 Ion Ratio Lower Upper
 149 100
 167 908.8 19.8 29.8#
 279 191.4 2.7 4.1#



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.73 min Scan# 2319

Delta R.T. 0.04 min

Lab File: BF110127.D

Acq: 24 Oct 2018 20:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 197684

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 21.9 16.7 25.1

