

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041619\
 Data File : BF113802.D
 Acq On : 16 Apr 2019 19:22
 Operator : JU/SJ
 Sample : K2422-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 17 01:07:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

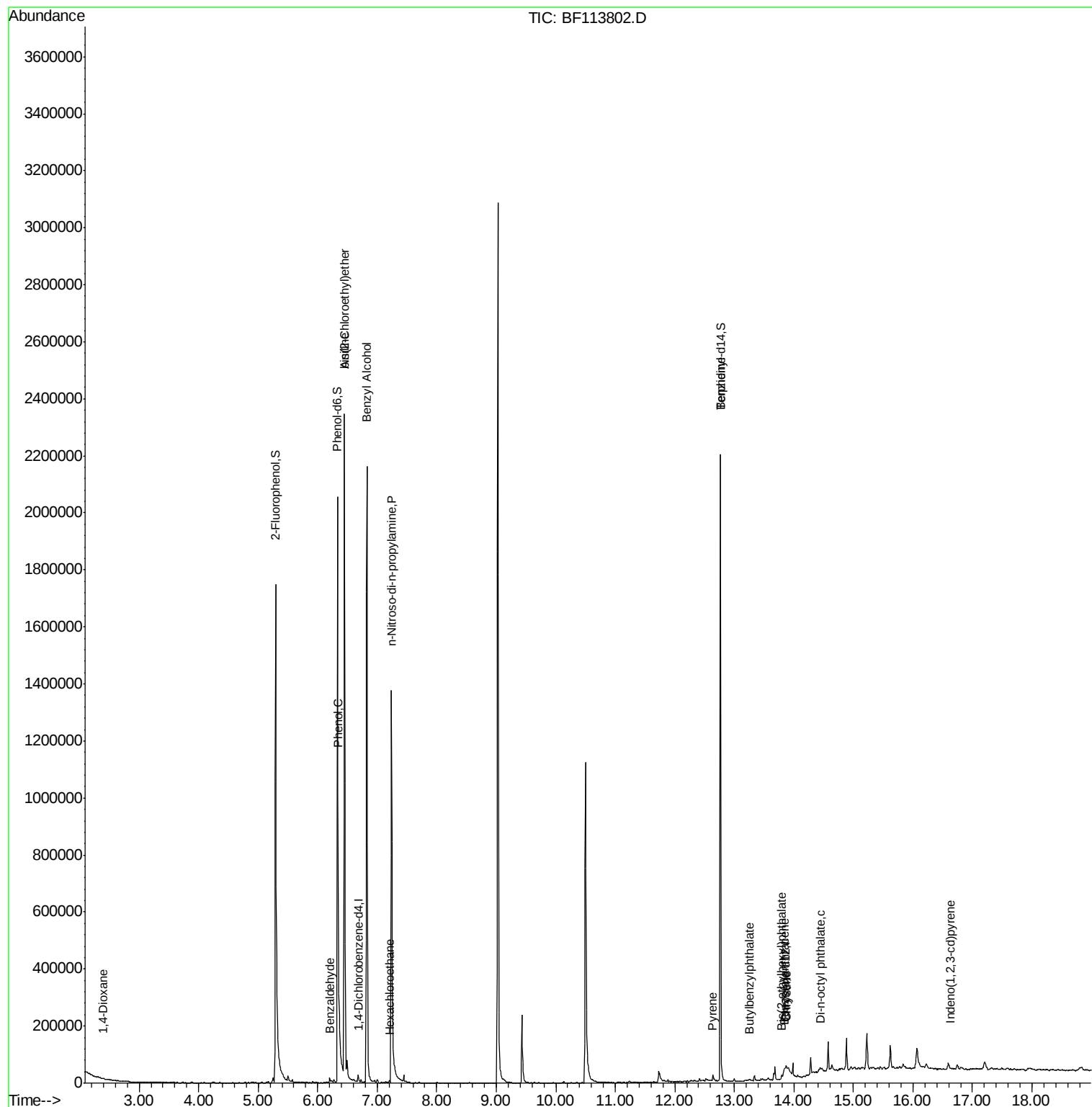
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	5273	20.00	ng	0.00
21) Naphthalene-d8	0.00	136	0	0.00	ng	-7.97
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-9.72
64) Phenanthrene-d10	0.00	188	0	0.00	ng	-11.20
76) Chrysene-d12	13.84	240	244	20.00	ng	0.00
87) Perylene-d12	0.00	264	0	0.00	ng	-15.25
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	757800	2450.64	ng	0.00
7) Phenol-d6	6.33	99	1019939	2676.15	ng	0.00
23) Nitrobenzene-d5	7.24	82	587490	0.00	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	221432	0.00	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	1089943	0.00	ng	-0.02
79) Terphenyl-d14	12.77	244	891131	74358.87	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	2.40	88	771	5.264	ng	# 33
6) Aniline	6.45	93	986	2.134	ng	# 1
9) Benzaldehyde	6.20	77	1070	4.722	ng	# 1
10) Phenol	6.35	94	8110	18.632	ng	# 1
11) bis(2-Chloroethyl)ether	6.45	93	986	2.912	ng	# 1
15) Benzyl Alcohol	6.83	79	8523	33.074	ng	# 47
18) Hexachloroethane	7.21	117	642	4.530	ng	# 1
19) n-Nitroso-di-n-propylamine	7.24	70	72837	309.923	ng	# 77
77) Benzidine	12.76	184	9445	1040.936	ng	# 96
78) Pyrene	12.64	202	6254	336.858	ng	# 96
80) Butylbenzylphthalate	13.25	149	108	14.291	ng	# 25
81) Benzo(a)anthracene	13.83	228	3585	254.702	ng	# 87
83) Chrysene	13.87	228	3497	245.088	ng	# 90
84) Bis(2-ethylhexyl)phthalate	13.80	149	4130	451.996	ng	# 96
85) Di-n-octyl phthalate	14.44	149	867	58.374	ng	# 15
86) Indeno(1,2,3-cd)pyrene	16.64	276	2412	183.092	ng	# 87

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

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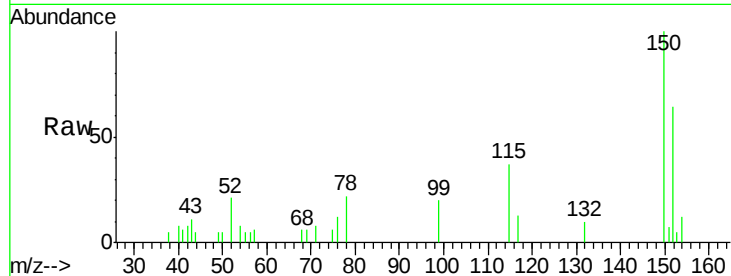


#1

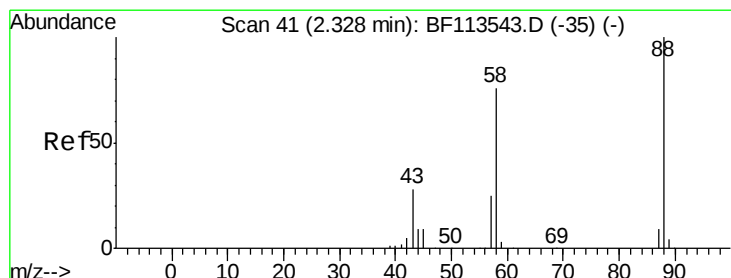
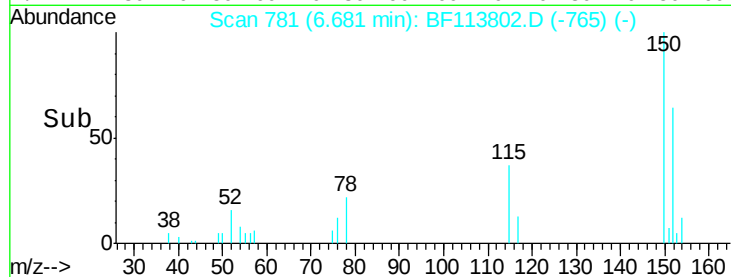
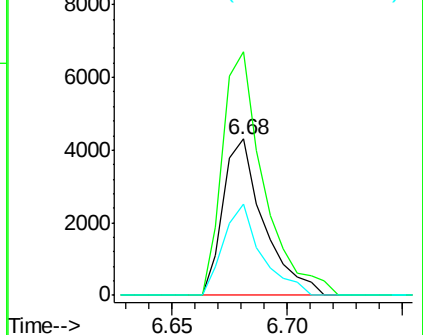
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF113802.D
Acq: 16 Apr 2019 19:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 5273
Ion Ratio Lower Upper
152 100
150 156.0 124.7 187.1
115 58.4 46.0 69.0



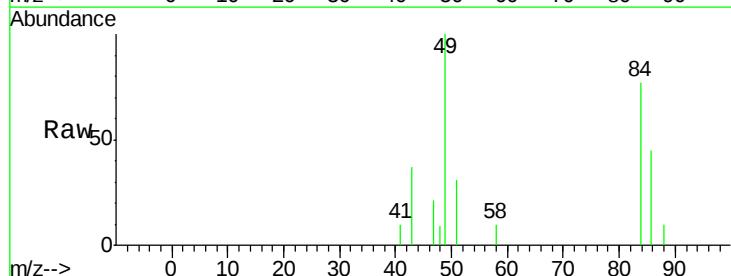
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



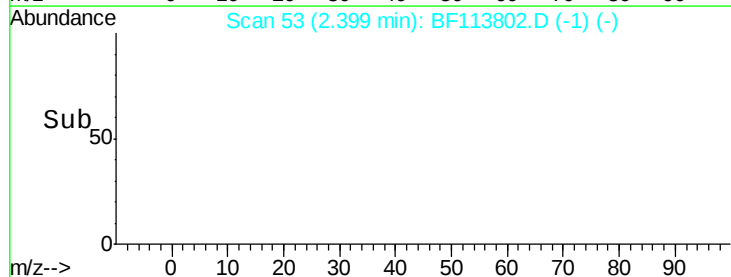
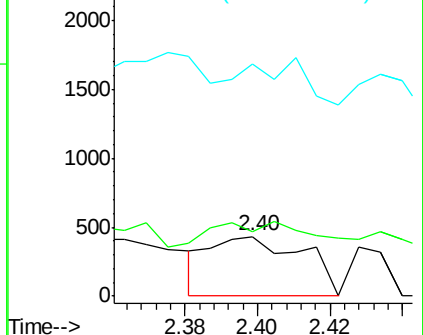
#2

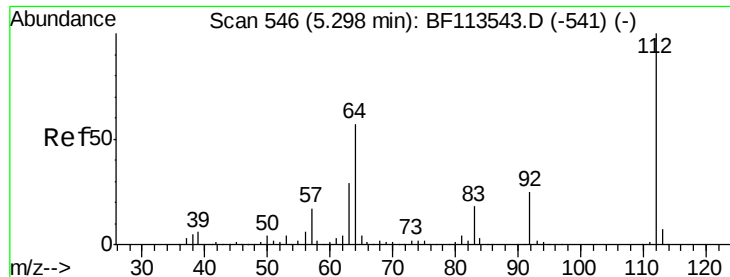
1,4-Dioxane
Concen: 5.264 ng
RT: 2.40 min Scan# 53
Delta R.T. 0.07 min
Lab File: BF113802.D
Acq: 16 Apr 2019 19:22

Tgt Ion: 88 Resp: 771
Ion Ratio Lower Upper
88 100
58 16.1 61.9 92.9#
43 0.0 24.2 36.4#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 2450.642 ng

RT: 5.29 min Scan# 545

Delta R.T. -0.01 min

Lab File: BF113802.D

Acq: 16 Apr 2019 19:22

Instrument :

BNA_F

ClientSampleId :

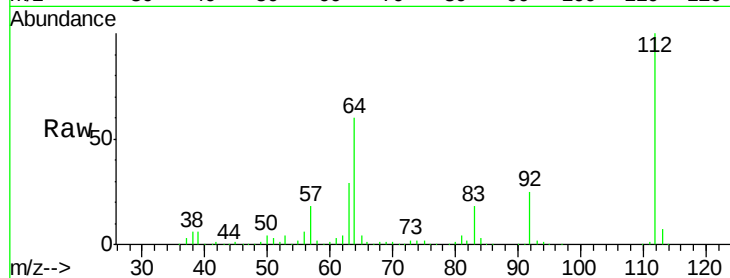
Tot Ion:112 Resp: 757800

Ion Ratio Lower Upper

112 100

64 59.6 49.2 73.8

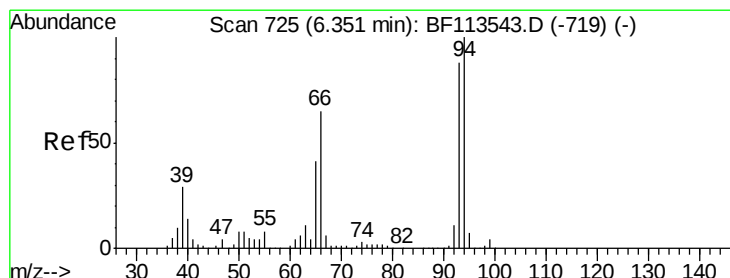
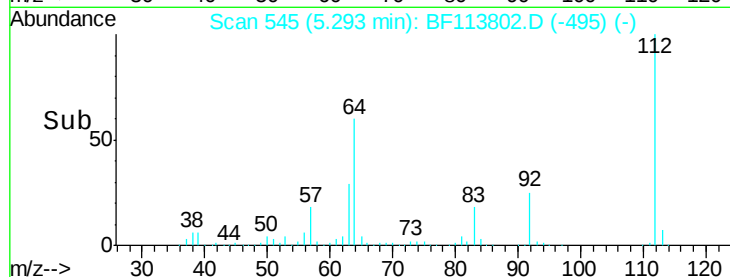
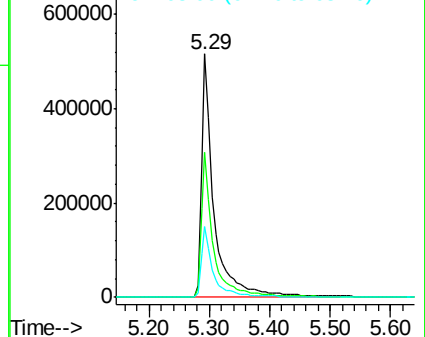
63 29.3 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 2.134 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.09 min

Lab File: BF113802.D

Acq: 16 Apr 2019 19:22

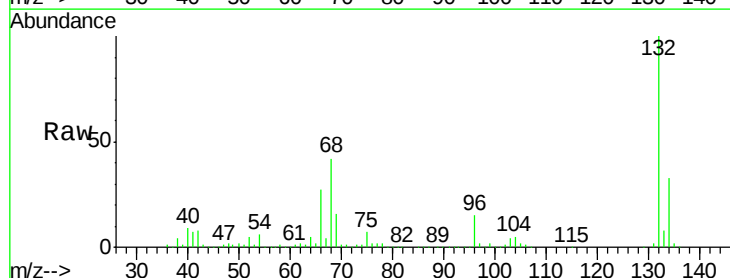
Tgt Ion: 93 Resp: 986

Ion Ratio Lower Upper

93 100

66 17713.4 62.1 93.1#

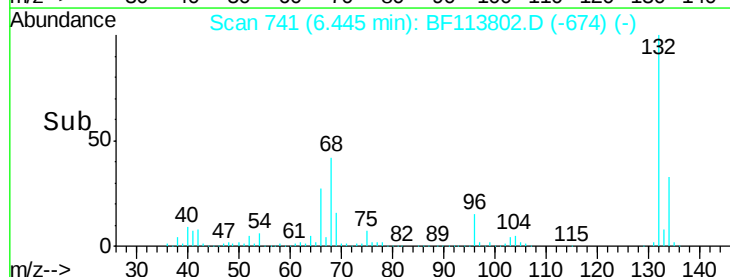
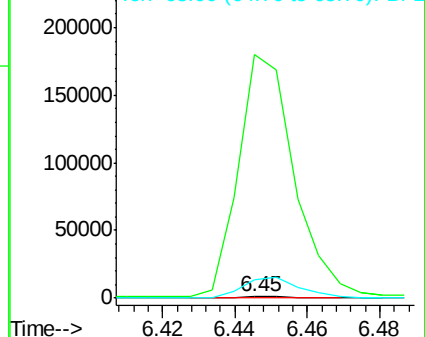
65 1375.6 38.7 58.1#

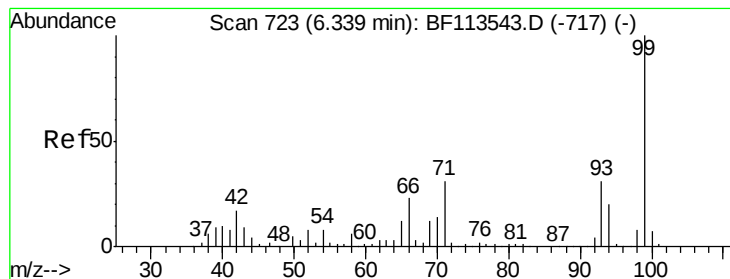


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 2676.149 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113802.D

Acq: 16 Apr 2019 19:22

Instrument :

BNA_F

ClientSampled :

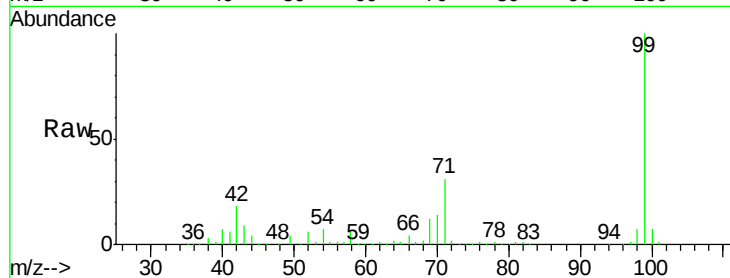
Tot Ion: 99 Resp: 1019939

Ion Ratio Lower Upper

99 100

42 17.6 14.8 22.2

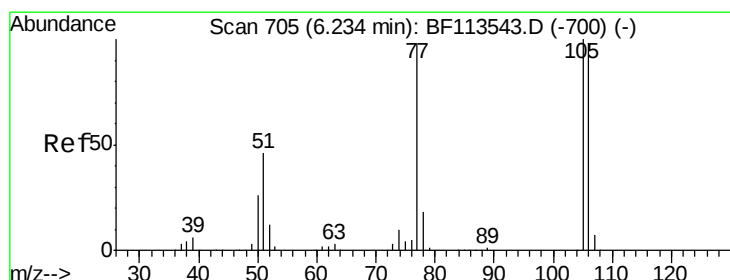
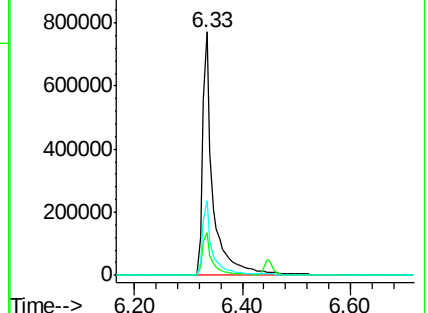
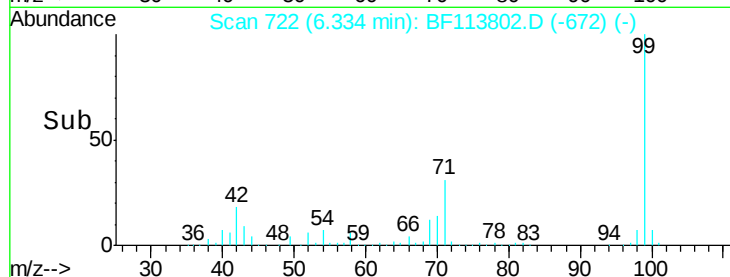
71 30.8 24.9 37.3



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



#9

Benzaldehyde

Concen: 4.722 ng

RT: 6.20 min Scan# 699

Delta R.T. -0.04 min

Lab File: BF113802.D

Acq: 16 Apr 2019 19:22

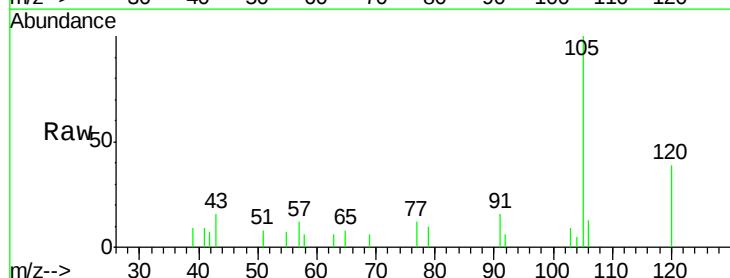
Tgt Ion: 77 Resp: 1070

Ion Ratio Lower Upper

77 100

105 810.5 80.9 120.9#

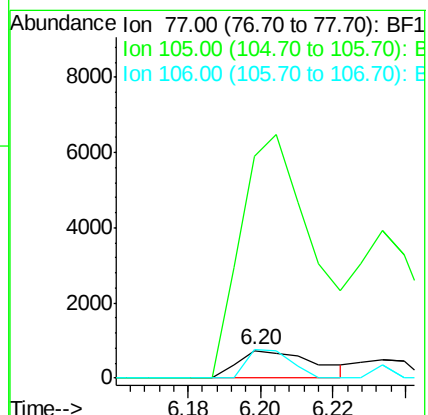
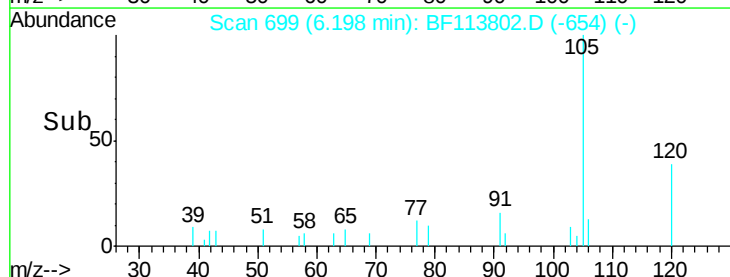
106 104.7 77.8 117.8

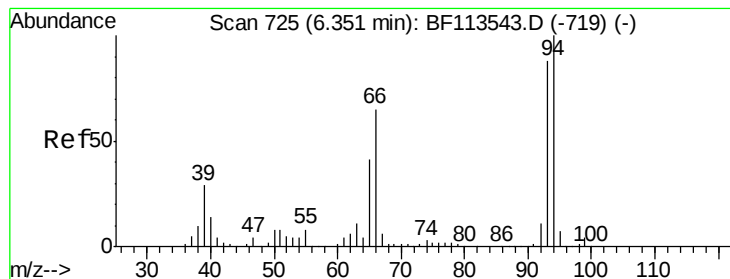


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 18.632 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113802.D

Acq: 16 Apr 2019 19:22

Instrument :

BNA_F

ClientSampleId :

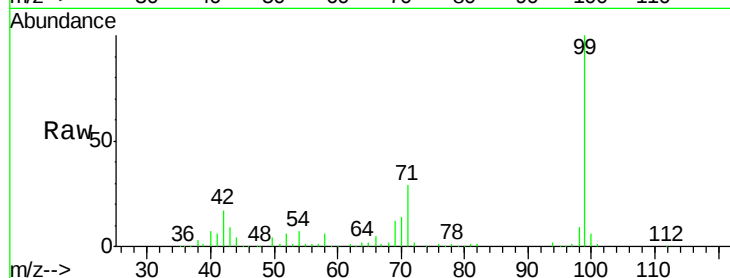
Tot Ion: 94 Resp: 8110

Ion Ratio Lower Upper

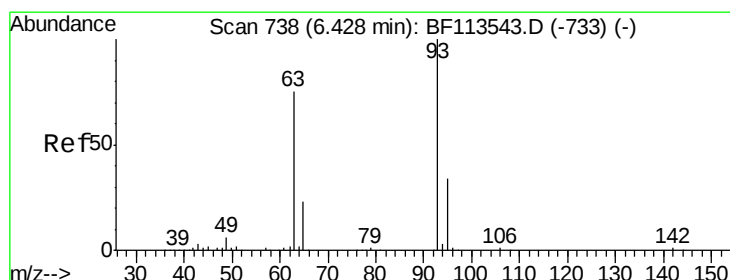
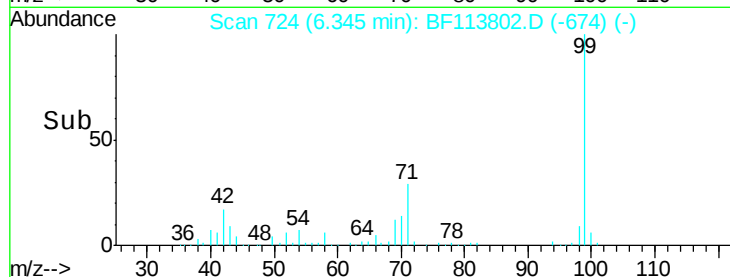
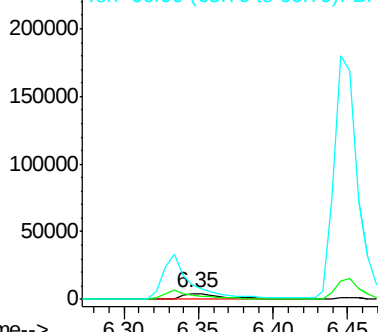
94 100

65 76.5 21.4 61.4#

66 245.6 46.4 86.4#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#11

bis(2-Chloroethyl)ether

Concen: 2.912 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.02 min

Lab File: BF113802.D

Acq: 16 Apr 2019 19:22

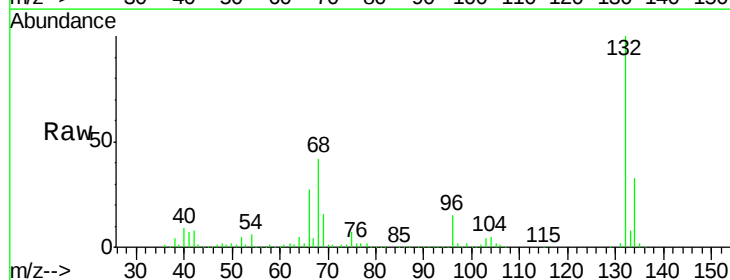
Tgt Ion: 93 Resp: 986

Ion Ratio Lower Upper

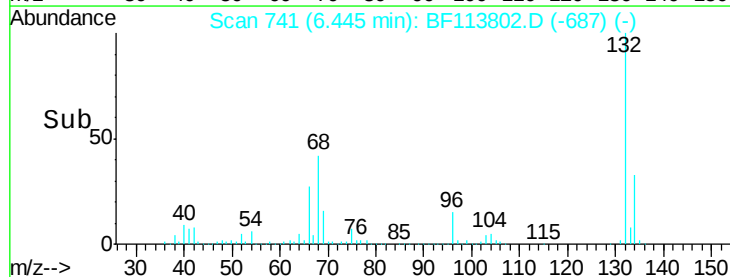
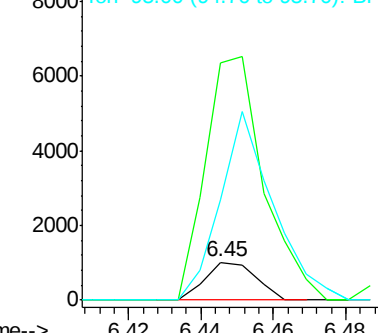
93 100

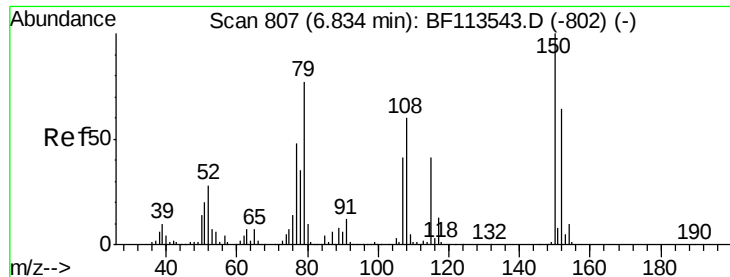
63 627.0 56.1 96.1#

95 264.6 12.8 52.8#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1





#15

Benzyl Alcohol

Concen: 33.074 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF113802.D

Acq: 16 Apr 2019 19:22

Instrument :

BNA_F

ClientSampleId :

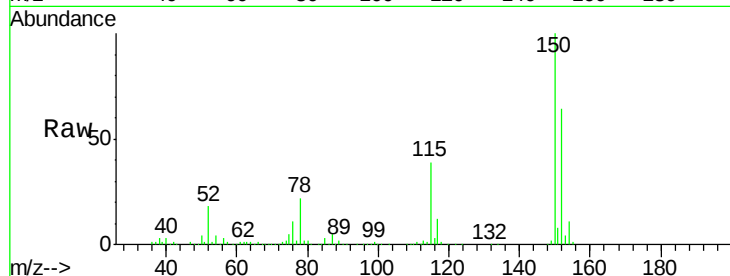
Tot Ion: 79 Resp: 8523

Ion Ratio Lower Upper

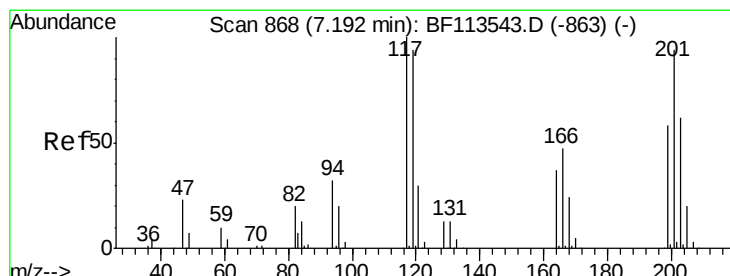
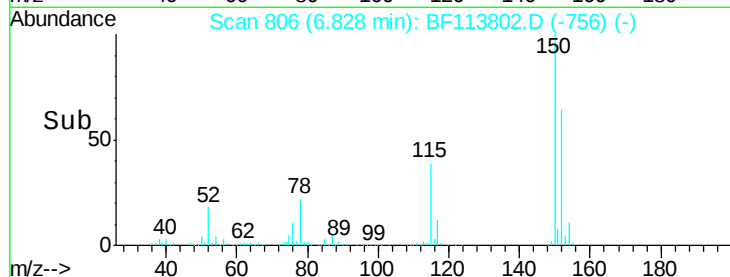
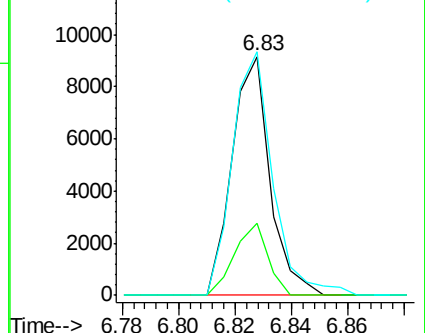
79 100

108 29.9 62.0 93.0#

77 101.8 49.9 74.9#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



#18

Hexachloroethane

Concen: 4.530 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.02 min

Lab File: BF113802.D

Acq: 16 Apr 2019 19:22

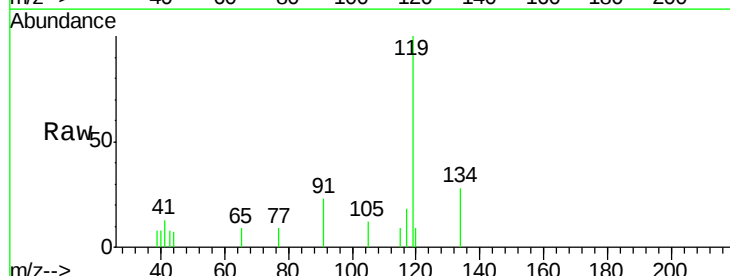
Tgt Ion: 117 Resp: 642

Ion Ratio Lower Upper

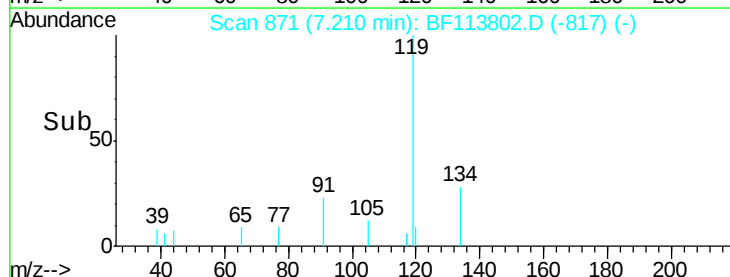
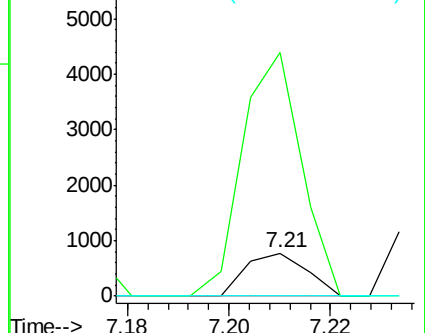
117 100

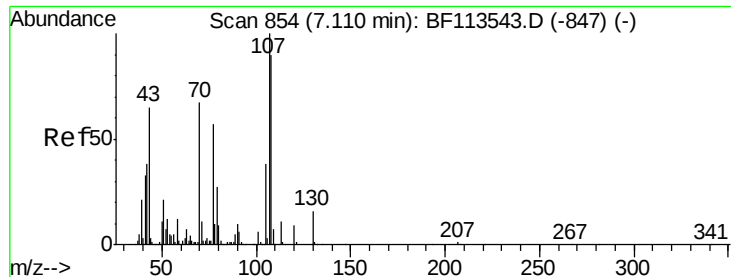
119 570.7 76.9 115.3#

201 0.0 78.7 118.1#



Abundance Ion 117.00 (116.70 to 117.70): BF1
Ion 119.00 (118.70 to 119.70): BF1
Ion 201.00 (200.70 to 201.70): BF1

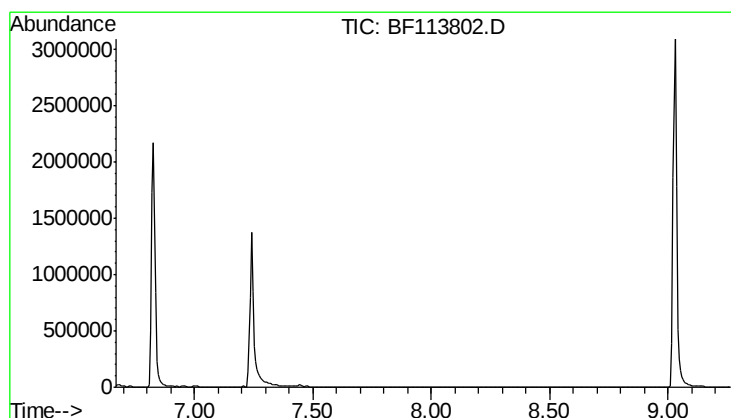
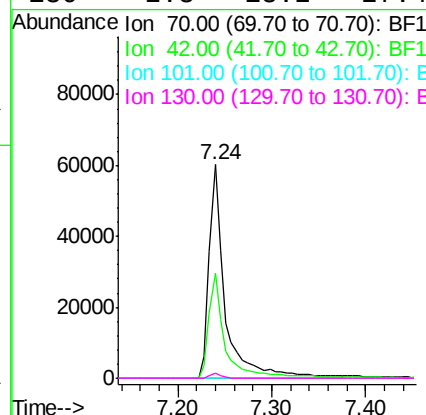
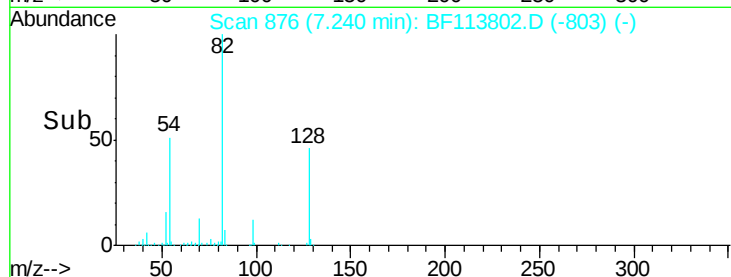
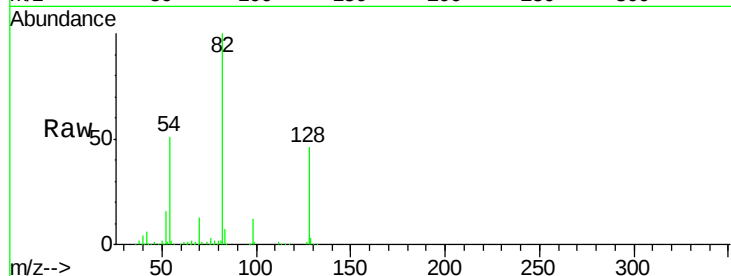




#19
n-Nitroso-di-n-propylamine
Concen: 309.923 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.13 min
Lab File: BF113802.D
Acq: 16 Apr 2019 19:22

Instrument :
BNA_F
ClientSampleId :

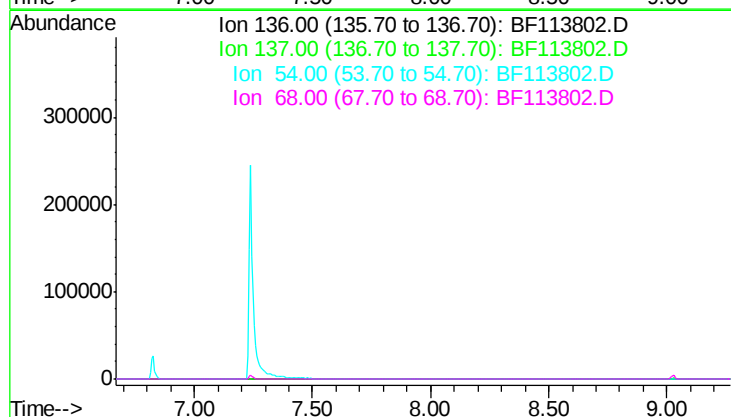
Tot Ion: 70 Resp: 72837
Ion Ratio Lower Upper
70 100
42 49.4 48.4 72.6
101 0.0 7.8 11.8#
130 2.3 18.2 27.4#

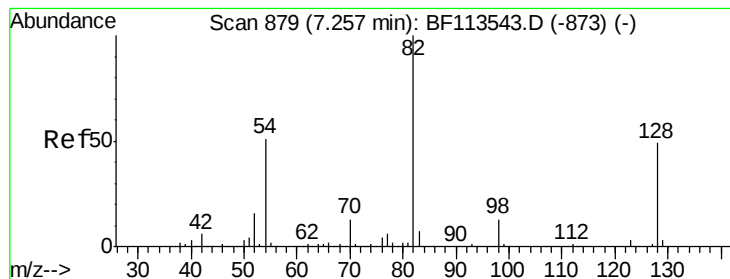


#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 7.97 min

Lab File: BF113802.D
Acq: 16 Apr 2019 19:22

Tgt Ion: 136
Sig Exp Ratio
136 100
137 11.1
54 8.8
68 6.0





#23

Nitrobenzene-d5

Concen: 0.000 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF113802.D

Acq: 16 Apr 2019 19:22

Instrument :

BNA_F

ClientSampleId :

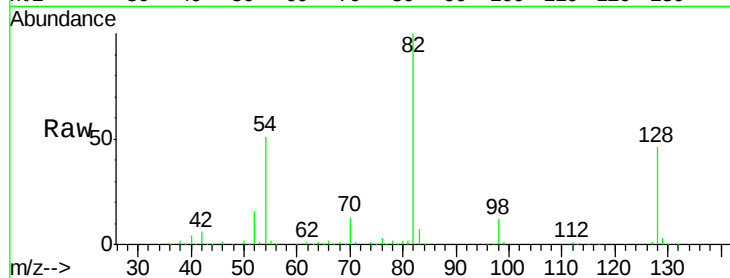
Tot Ion: 82 Resp: 587490

Ion Ratio Lower Upper

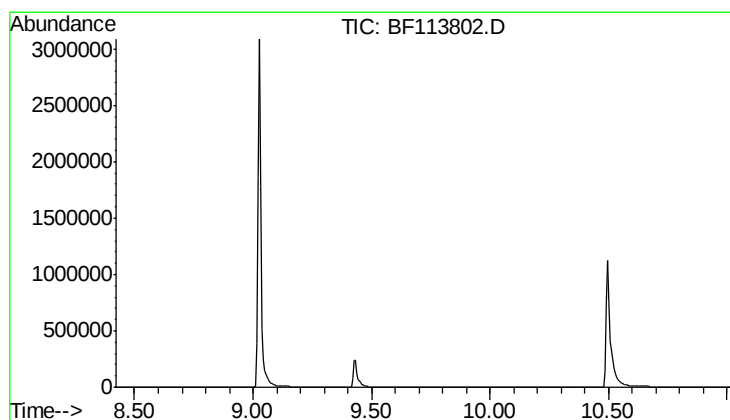
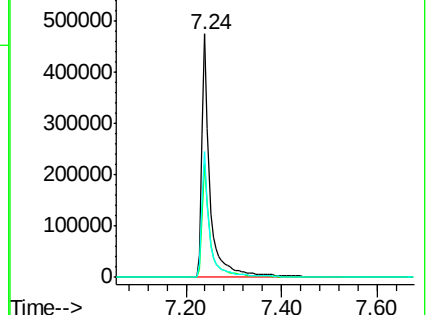
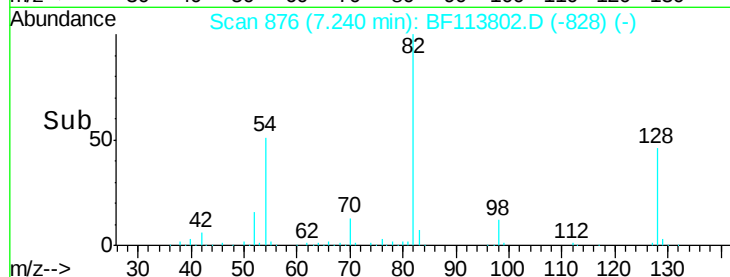
82 100

128 46.5 36.5 54.7

54 51.5 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 9.72 min

Lab File: BF113802.D

Acq: 16 Apr 2019 19:22

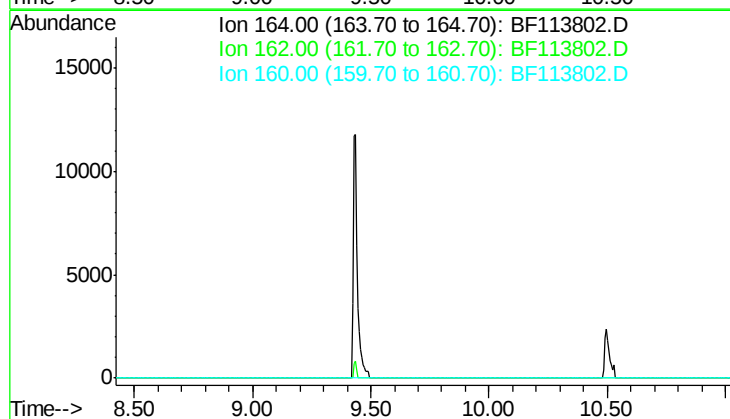
Tgt Ion: 164

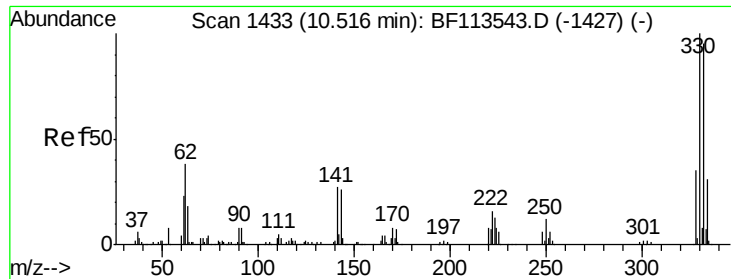
Sig Exp Ratio

164 100

162 102.2

160 45.5





#42

2,4,6-Tribromophenol

Concen: 0.000 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF113802.D

Acq: 16 Apr 2019 19:22

Instrument :

BNA_F

ClientSampleId :

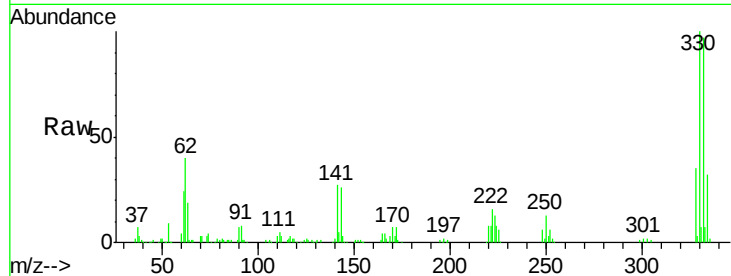
Tot Ion:330 Resp: 221432

Ion Ratio Lower Upper

330 100

332 97.7 77.8 116.6

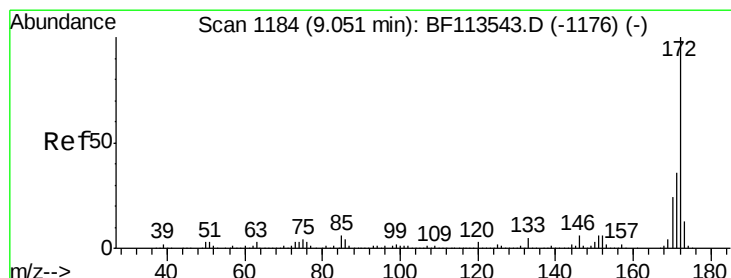
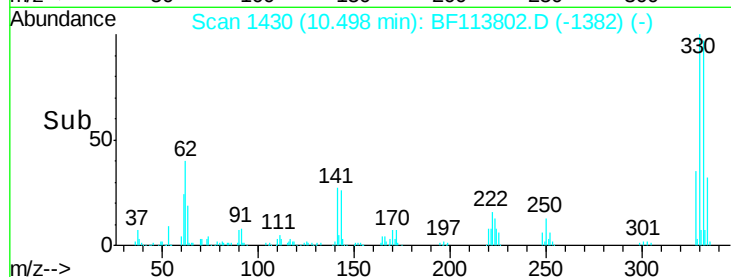
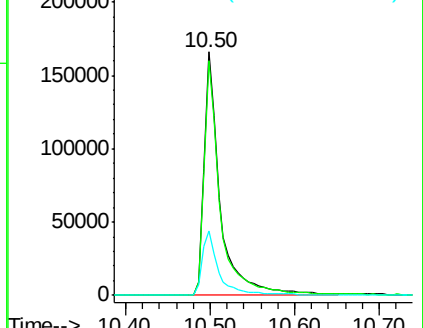
141 27.6 22.7 34.1



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: 0.000 ng

RT: 9.03 min Scan# 1180

Delta R.T. -0.02 min

Lab File: BF113802.D

Acq: 16 Apr 2019 19:22

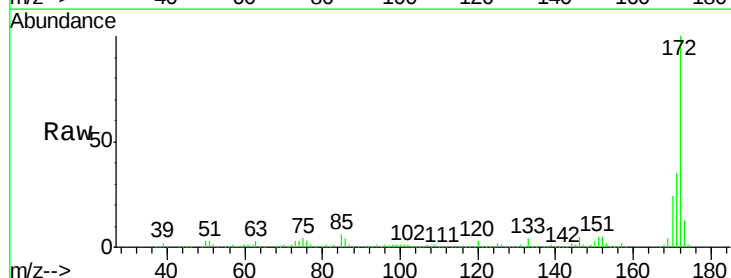
Tgt Ion:172 Resp: 1089943

Ion Ratio Lower Upper

172 100

171 35.1 29.0 43.6

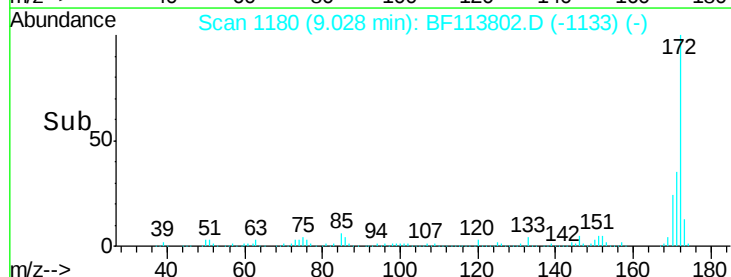
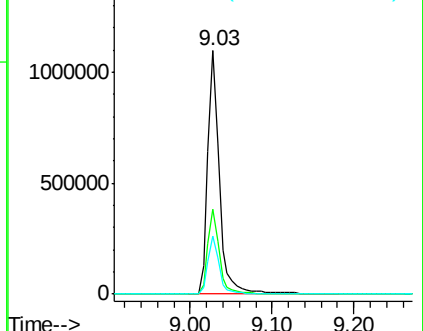
170 23.9 19.5 29.3

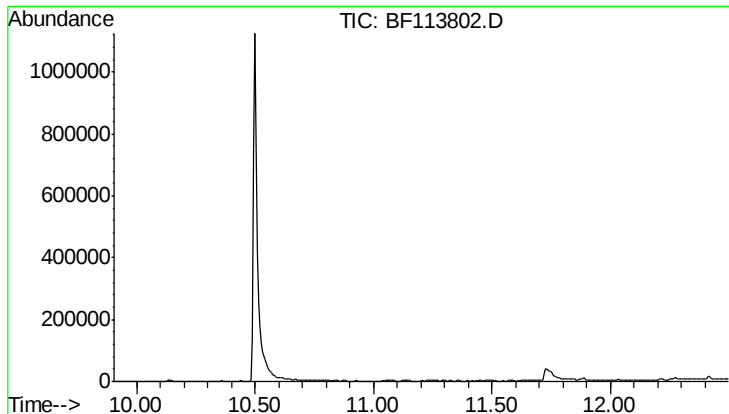


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

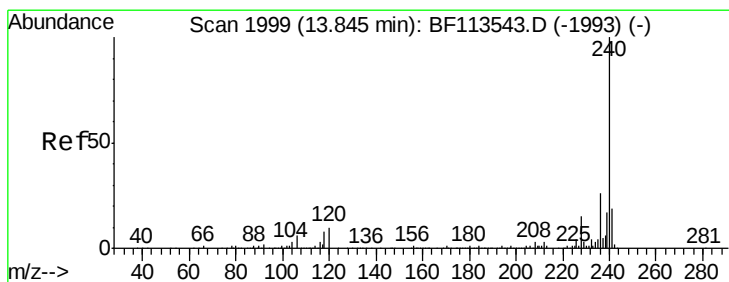
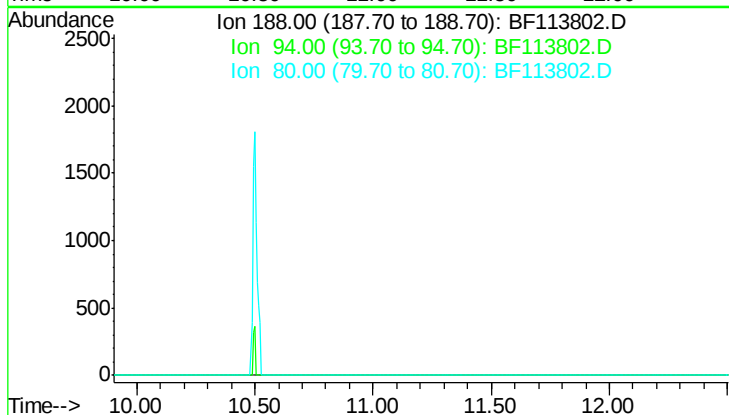




#64
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 11.20 min
 Lab File: BF113802.D
 Acq: 16 Apr 2019 19:22

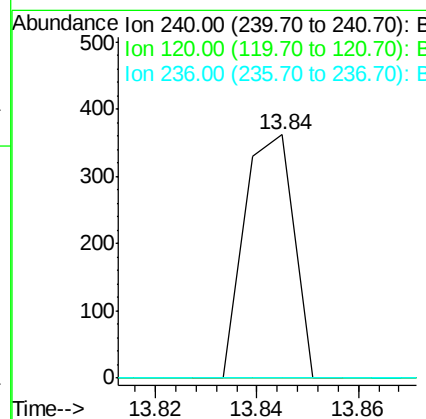
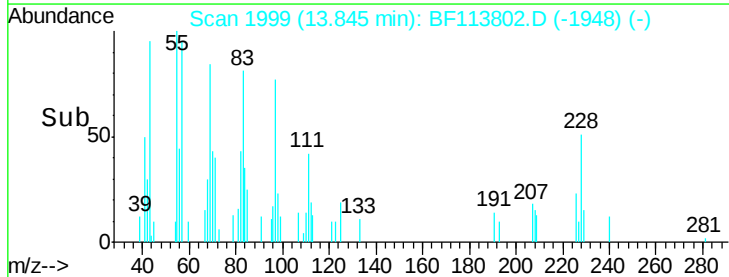
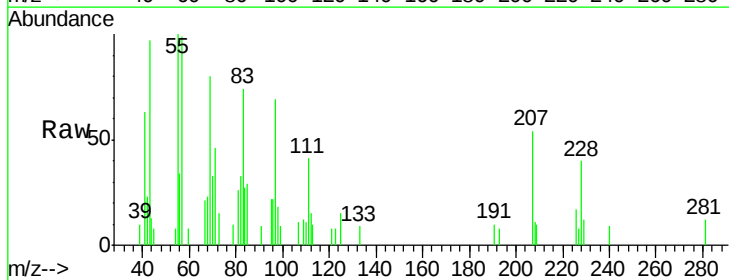
Instrument :
 BNA_F
 ClientSampleId :

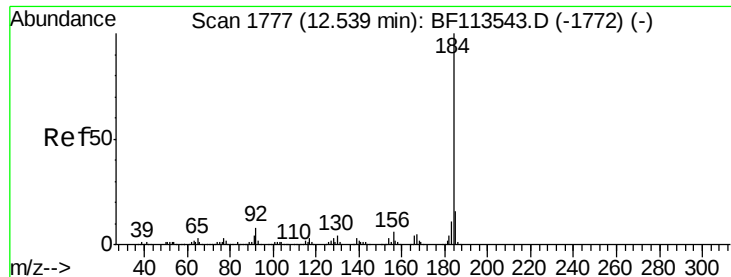
Tot Ion: 188
 Sig Exp Ratio
 188 100
 94 8.8
 80 9.6



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.84 min Scan# 1999
 Delta R.T. 0.00 min
 Lab File: BF113802.D
 Acq: 16 Apr 2019 19:22

Tgt Ion: 240 Resp: 244
 Ion Ratio Lower Upper
 240 100
 120 0.0 8.8 13.2#
 236 0.0 20.9 31.3#





#77

Benzidine

Concen: 1040.936 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.22 min

Lab File: BF113802.D

Acq: 16 Apr 2019 19:22

Instrument :

BNA_F

ClientSampleId :

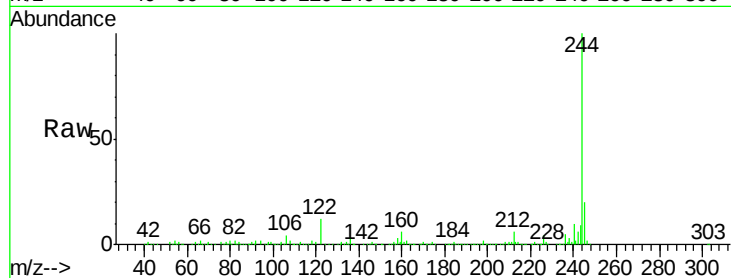
Tot Ion:184 Resp: 9445

Ion Ratio Lower Upper

184 100

185 15.6 13.0 19.6

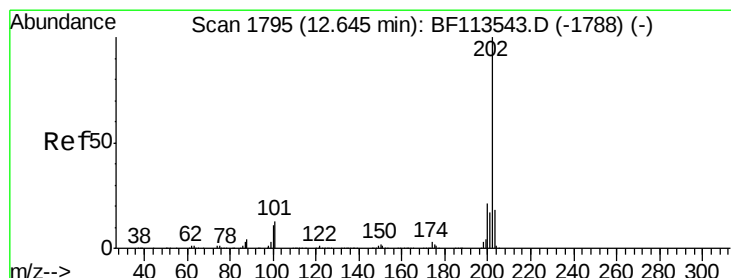
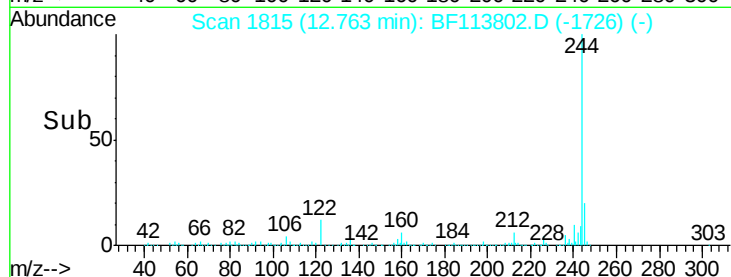
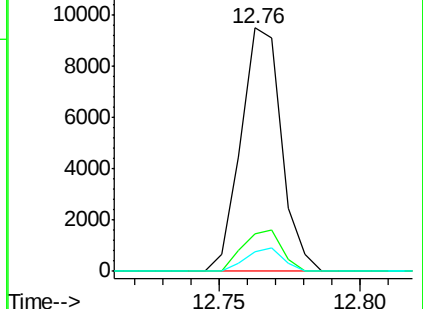
183 8.2 9.0 13.4#



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

Pyrene

Concen: 336.858 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BF113802.D

Acq: 16 Apr 2019 19:22

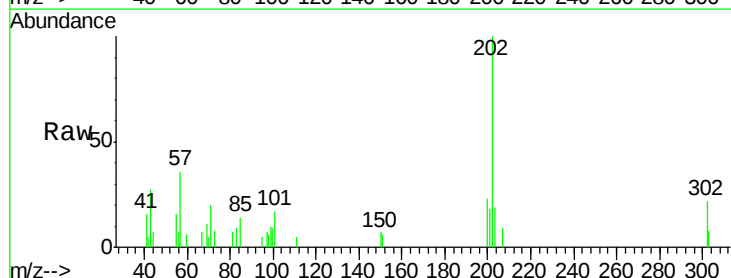
Tgt Ion:202 Resp: 6254

Ion Ratio Lower Upper

202 100

200 22.9 16.8 25.2

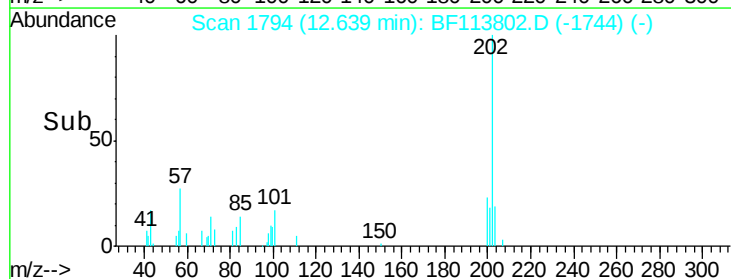
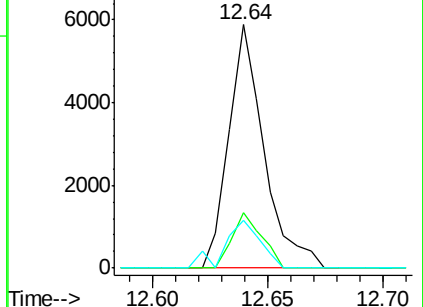
203 19.5 14.4 21.6

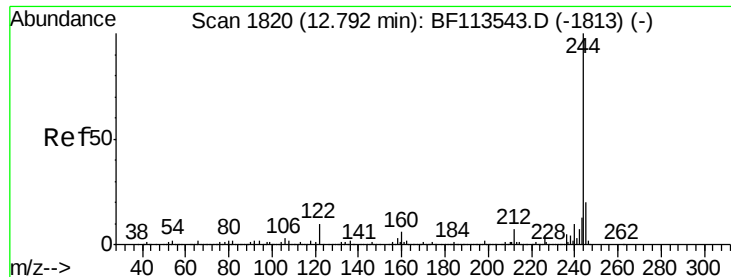


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 74358.872 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113802.D

Acq: 16 Apr 2019 19:22

Instrument :

BNA_F

ClientSampled :

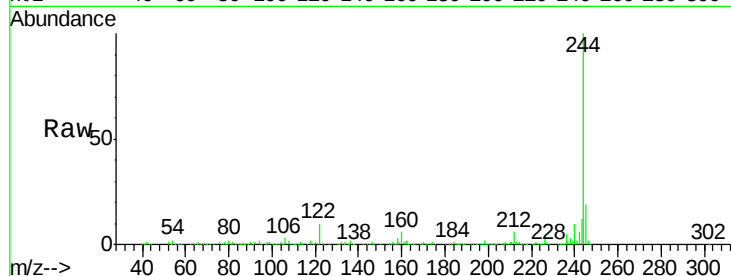
Tot Ion:244 Resp: 891131

Ion Ratio Lower Upper

244 100

212 6.3 5.5 8.3

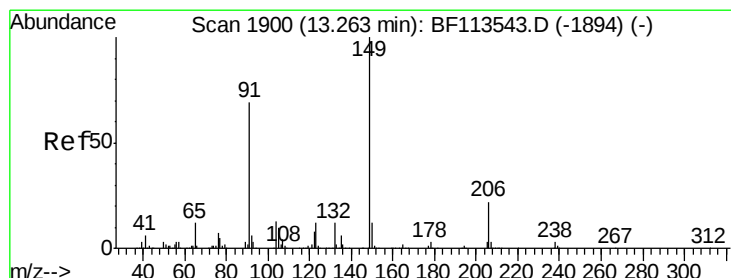
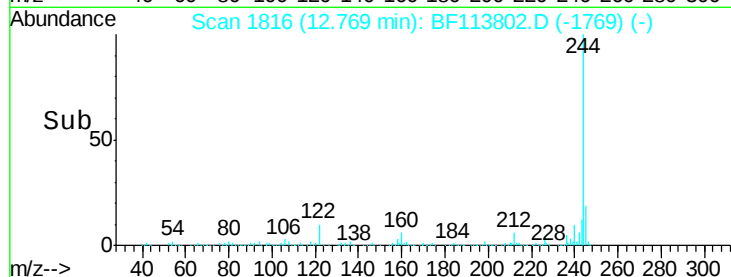
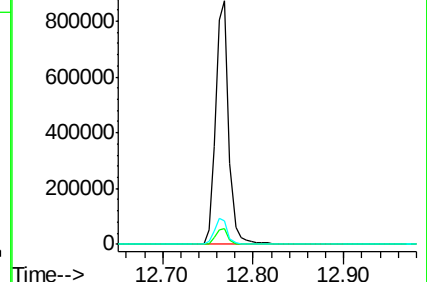
122 9.5 8.6 13.0



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



#80

Butylbenzylphthalate

Concen: 14.291 ng

RT: 13.25 min Scan# 1897

Delta R.T. -0.02 min

Lab File: BF113802.D

Acq: 16 Apr 2019 19:22

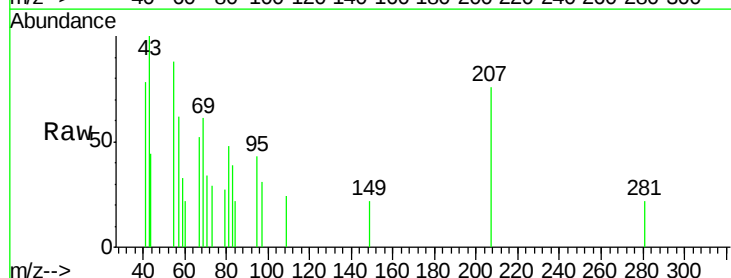
Tgt Ion:149 Resp: 108

Ion Ratio Lower Upper

149 100

91 0.0 55.2 82.8#

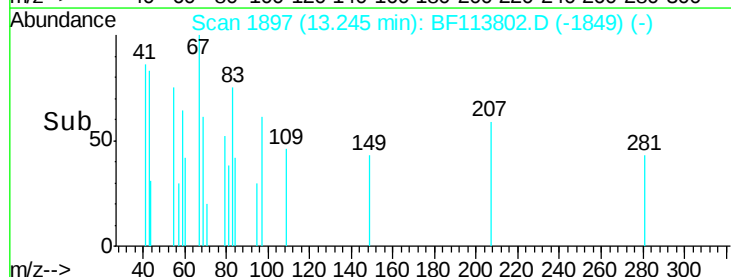
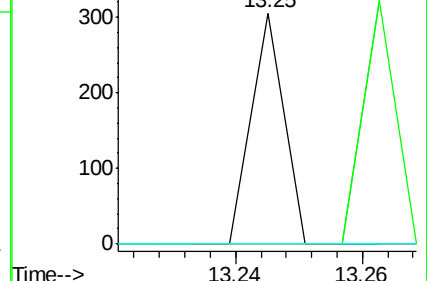
206 0.0 16.1 24.1#

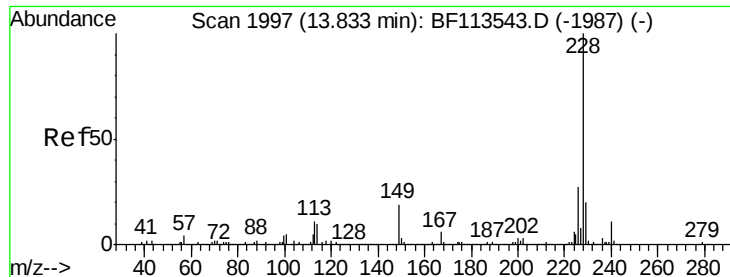


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

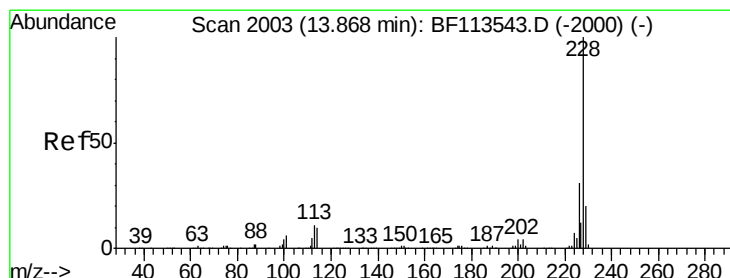
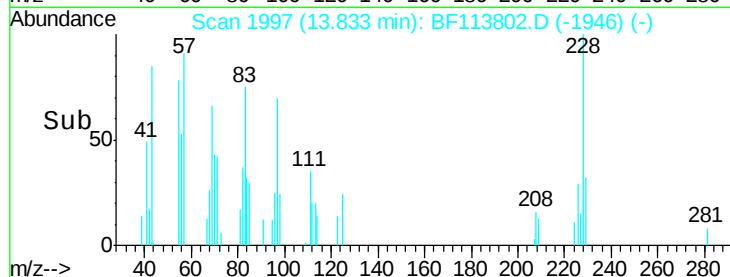
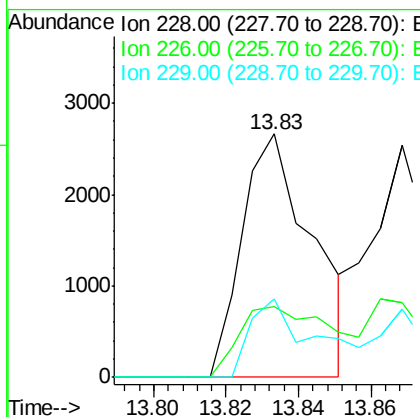
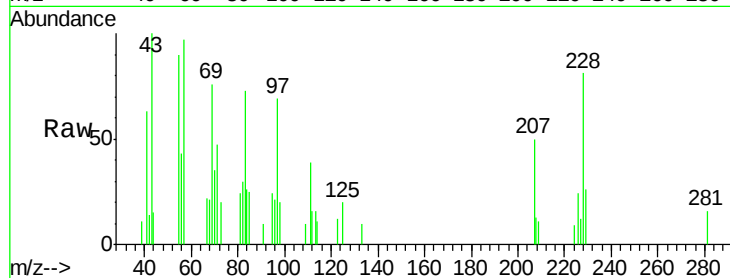




#81
Benzo(a)anthracene
Concen: 254.702 ng
RT: 13.83 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF113802.D
Acq: 16 Apr 2019 19:22

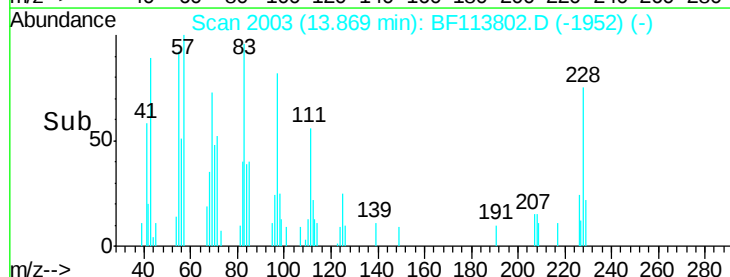
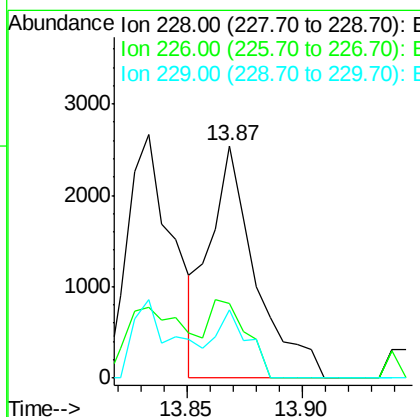
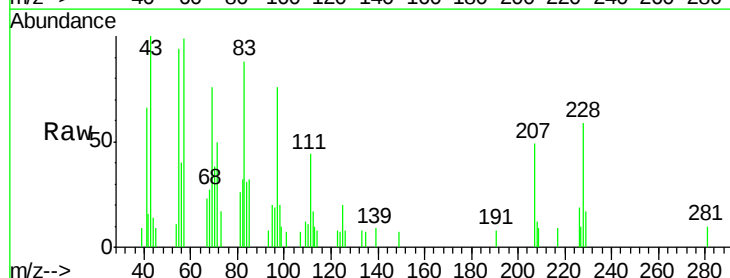
Instrument :
BNA_F
ClientSampleId :

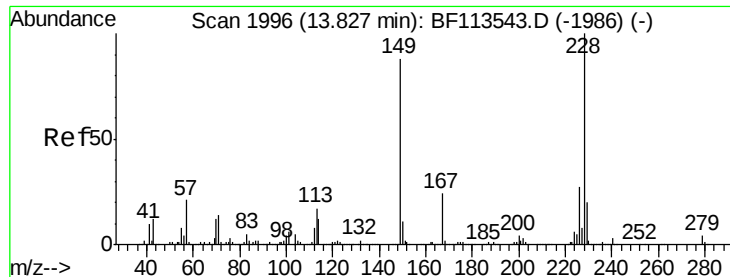
Tot Ion:228 Resp: 3585
Ion Ratio Lower Upper
228 100
226 29.1 21.8 32.8
229 32.3 16.2 24.4#



#83
Chrysene
Concen: 245.088 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF113802.D
Acq: 16 Apr 2019 19:22

Tgt Ion:228 Resp: 3497
Ion Ratio Lower Upper
228 100
226 32.1 24.3 36.5
229 29.2 16.3 24.5#





#84

Bis(2-ethylhexyl)phthalate

Concen: 451.996 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.03 min

Lab File: BF113802.D

Acq: 16 Apr 2019 19:22

Instrument :

BNA_F

ClientSampled :

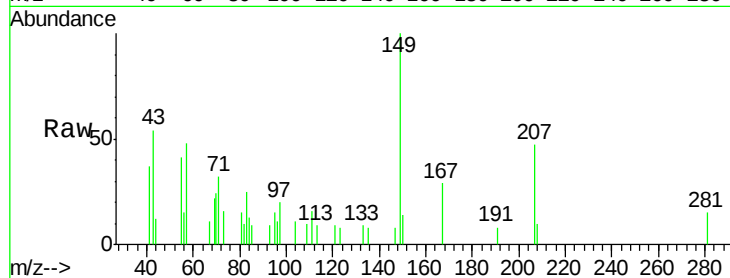
Tot Ion:149 Resp: 4130

Ion Ratio Lower Upper

149 100

167 29.0 21.8 32.8

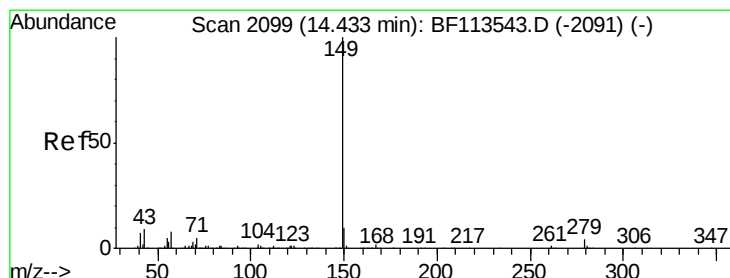
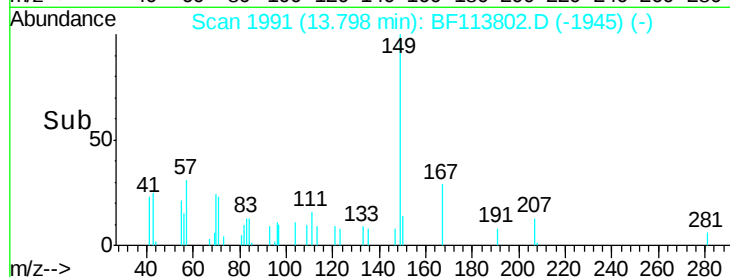
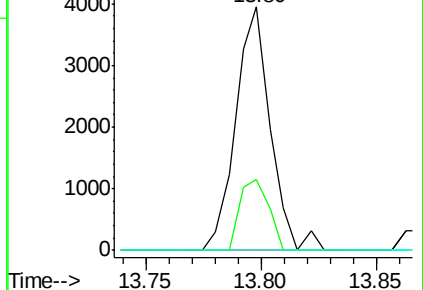
279 0.0 2.9 4.3#



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



#85

Di-n-octyl phthalate

Concen: 58.374 ng

RT: 14.44 min Scan# 2100

Delta R.T. 0.01 min

Lab File: BF113802.D

Acq: 16 Apr 2019 19:22

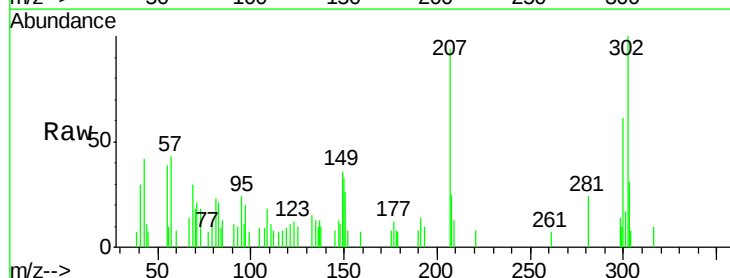
Tgt Ion:149 Resp: 867

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

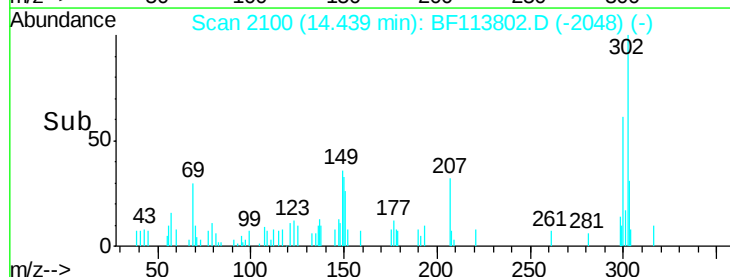
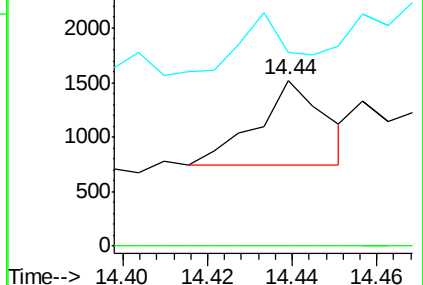
43 45.7 7.7 11.5#

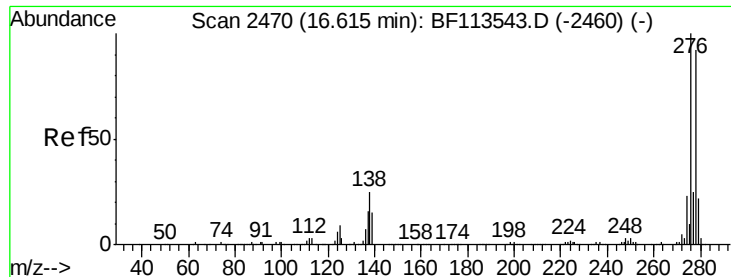


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

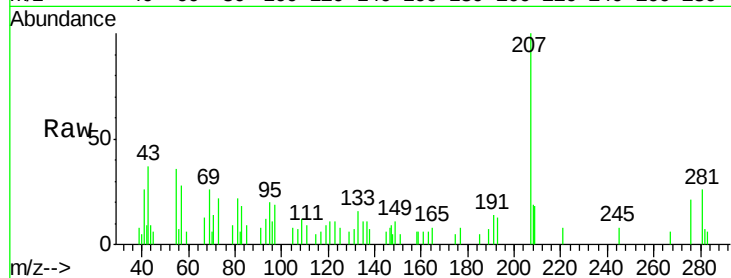




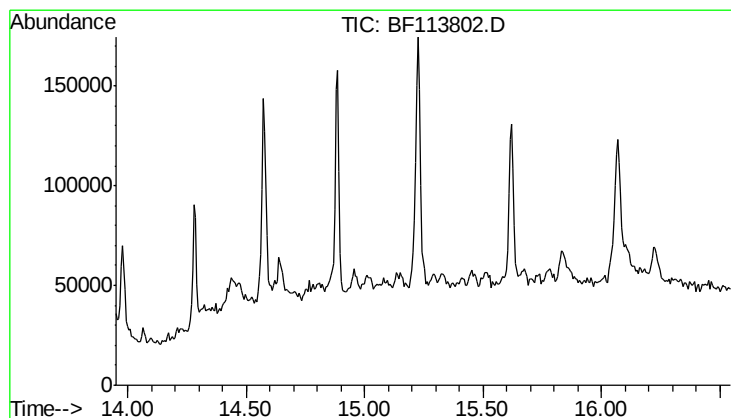
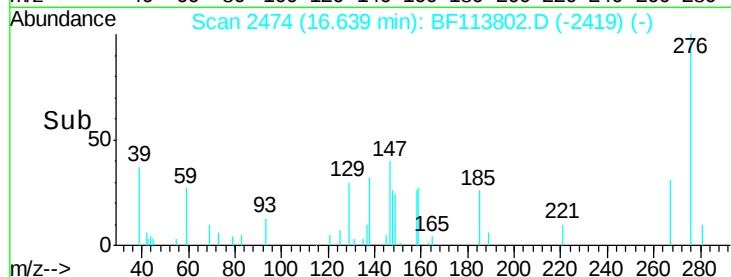
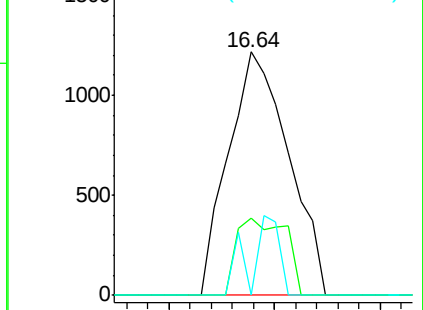
#86
Indeno(1,2,3-cd)pyrene
Concen: 183.092 ng
RT: 16.64 min Scan# 2474
Delta R.T. 0.02 min
Lab File: BF113802.D
Acq: 16 Apr 2019 19:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 276 Resp: 2412
Ion Ratio Lower Upper
276 100
138 25.4 18.1 27.1
277 15.9 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



#87
Perylene-d12
Concen: 0.000 ng
Expected RT: 15.25 min

Lab File: BF113802.D
Acq: 16 Apr 2019 19:22

Tgt Ion: 264
Sig Exp Ratio
264 100
260 23.9
265 21.4

