

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040319\
 Data File : BF113563.D
 Acq On : 4 Apr 2019 00:47
 Operator : JU/SJ
 Sample : K2196-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 04 04:28:47 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	6.69	152	119839	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	400578	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	173202	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	347923	20.00	ng	0.00
76) Chrysene-d12	13.84	240	326077	20.00	ng	0.00
87) Perylene-d12	15.25	264	240530	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	471120	67.04	ng	0.00
7) Phenol-d6	6.33	99	604295	69.77	ng	-0.01
23) Nitrobenzene-d5	7.25	82	345207	50.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.51	330	146541	70.43	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	628381	58.41	ng	0.00
79) Terphenyl-d14	12.79	244	756861	47.26	ng	0.00

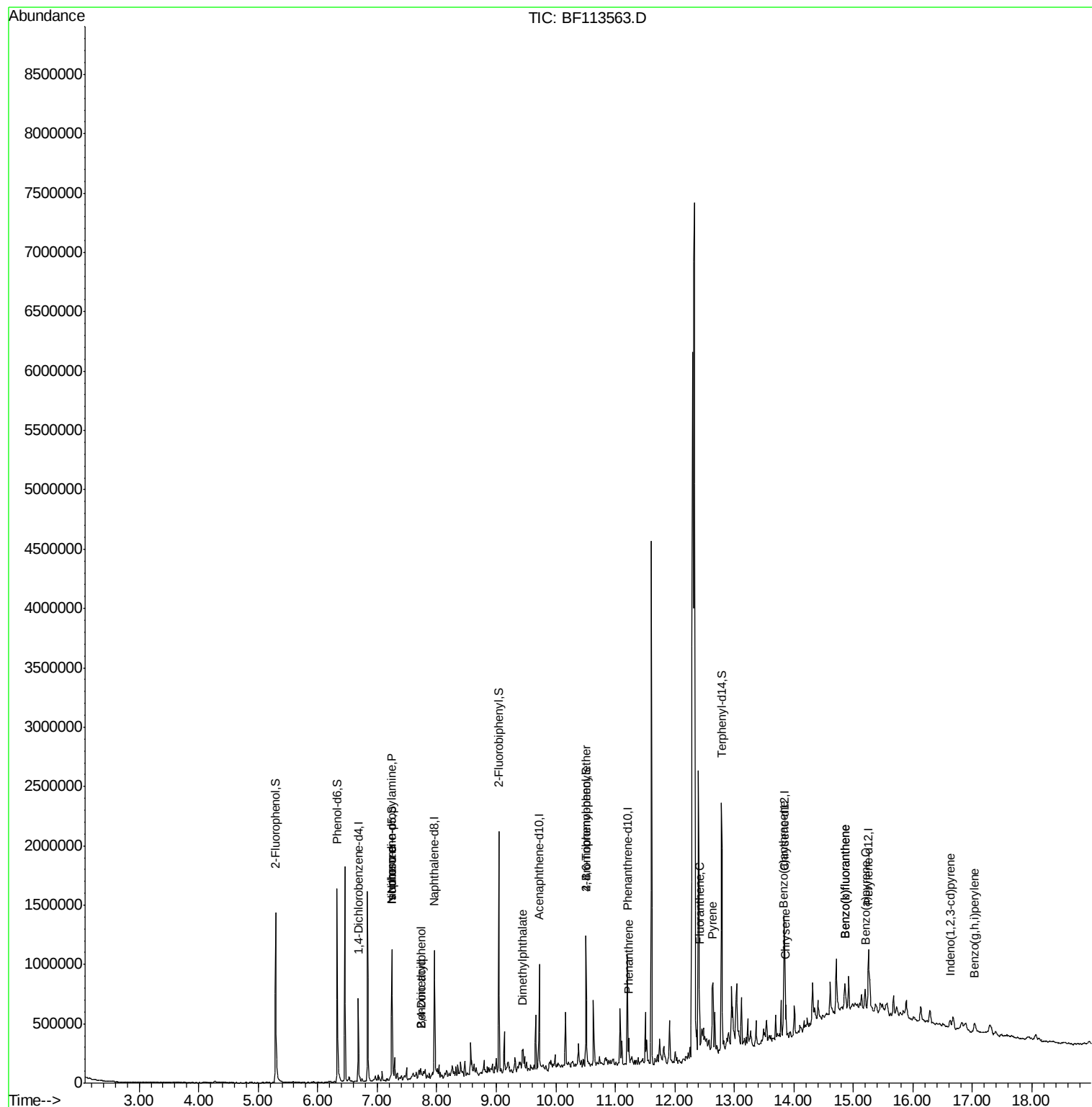
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.25	70	45929	8.599	ng	# 76
25) Isophorone	7.25	82	343019	26.038	ng	# 64
27) 2,4-Dimethylphenol	7.75	122	13981	2.580	ng	# 5
32) Benzoic acid	7.75	122	13981	3.332	ng	# 73
50) Dimethylphthalate	9.44	163	40904	3.204	ng	# 98
67) 4-Bromophenyl-phenylether	10.51	248	8265	2.118	ng	# 1
71) Phenanthrene	11.23	178	83824	4.849	ng	97
75) Fluoranthene	12.42	202	201352	10.869	ng	98
78) Pyrene	12.64	202	230965	9.309	ng	98
81) Benzo(a)anthracene	13.83	228	101725	5.408	ng	98
83) Chrysene	13.86	228	112734	5.912	ng	97
86) Indeno(1,2,3-cd)pyrene	16.62	276	47530	2.700	ng	98
88) Benzo(b)fluoranthene	14.86	252	146003	9.916	ng	# 89
89) Benzo(k)fluoranthene	14.86	252	146003	11.049	ng	# 88
90) Benzo(a)pyrene	15.20	252	75692	5.785	ng	# 92
92) Benzo(g,h,i)perylene	17.04	276	54680	4.379	ng	94

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

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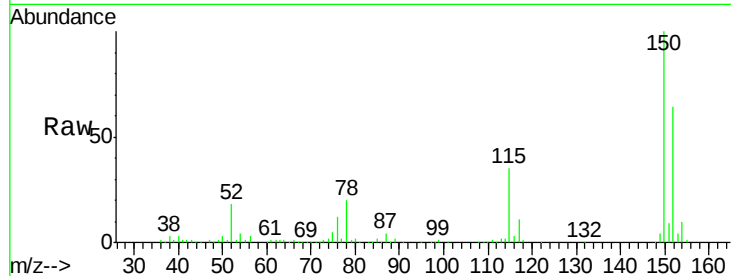


#1

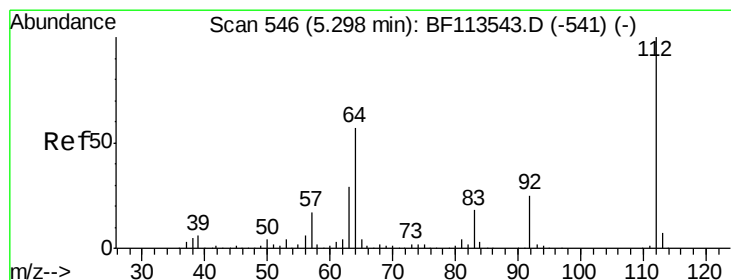
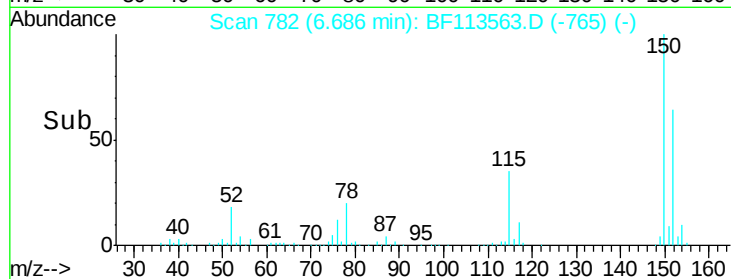
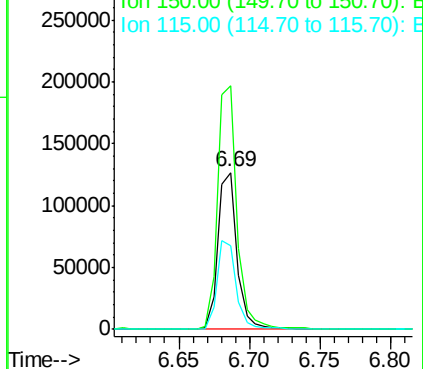
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.00 min
Lab File: BF113563.D
Acq: 4 Apr 2019 00:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 119839
Ion Ratio Lower Upper
152 100
150 155.4 124.7 187.1
115 53.6 46.0 69.0



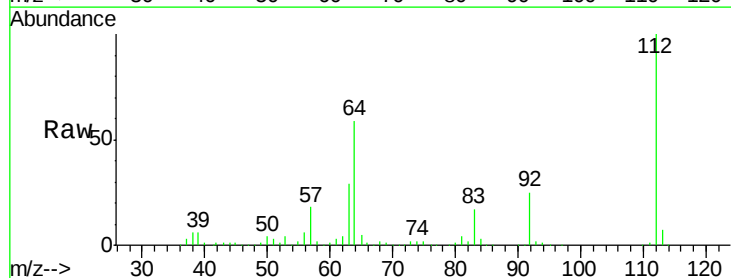
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



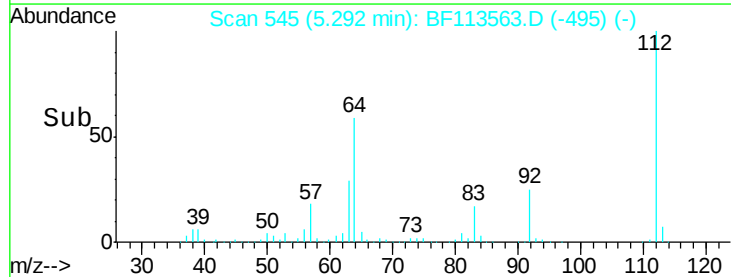
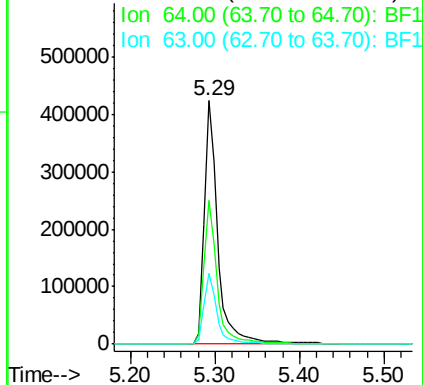
#5

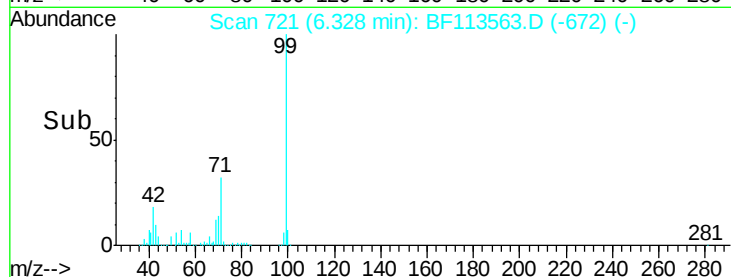
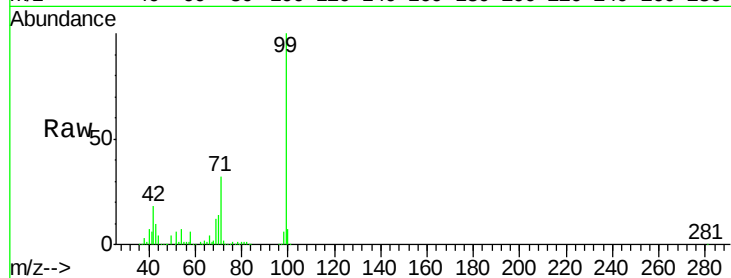
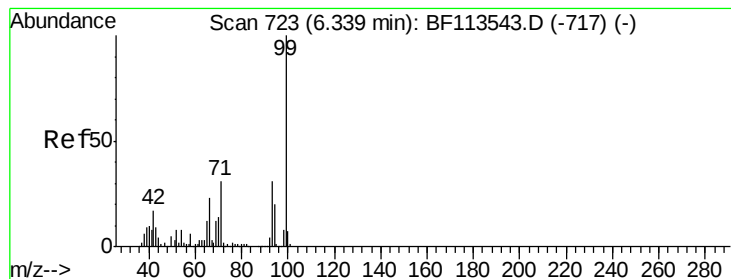
2-Fluorophenol
Concen: 67.037 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF113563.D
Acq: 4 Apr 2019 00:47

Tgt Ion:112 Resp: 471120
Ion Ratio Lower Upper
112 100
64 59.1 49.2 73.8
63 29.0 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





#7

Phenol-d6

Concen: 69.766 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113563.D

Acq: 4 Apr 2019 00:47

Instrument :

BNA_F

ClientSampleId :

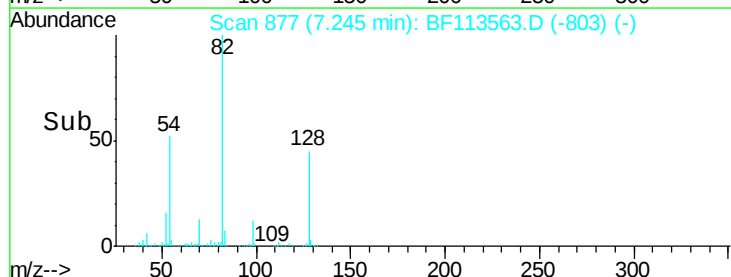
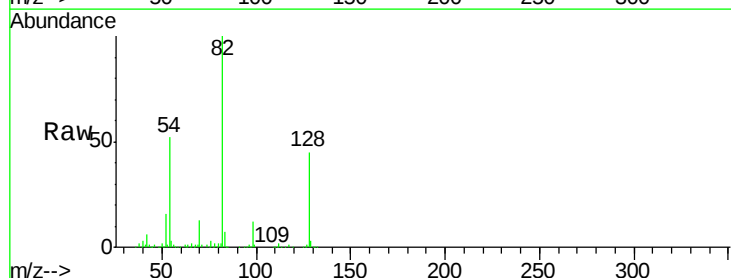
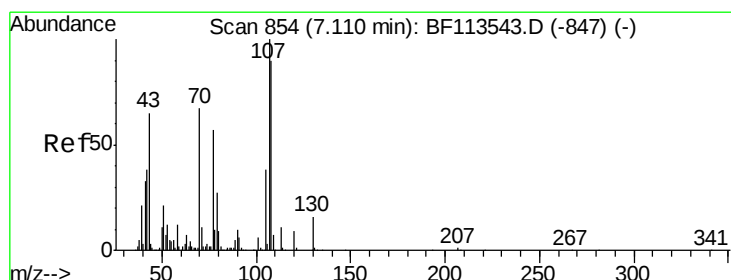
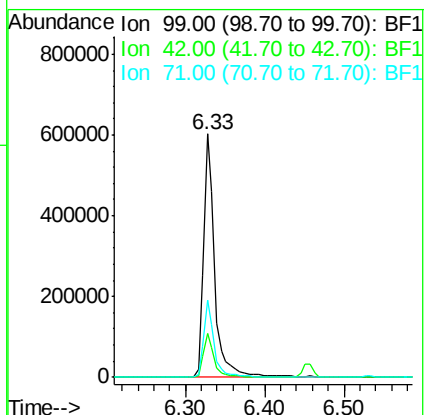
Tot Ion: 99 Resp: 604295

Ion Ratio Lower Upper

99 100

42 18.2 14.8 22.2

71 31.7 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 8.599 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF113563.D

Acq: 4 Apr 2019 00:47

Tgt Ion: 70 Resp: 45929

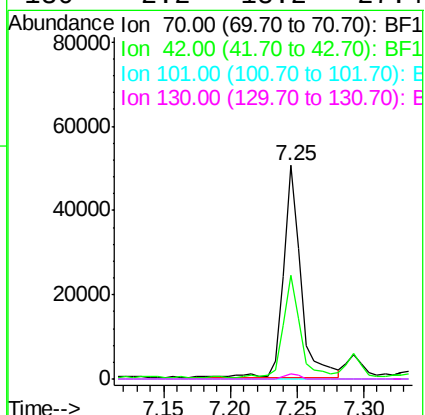
Ion Ratio Lower Upper

70 100

42 48.3 48.4 72.6#

101 0.0 7.8 11.8#

130 2.2 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF113563.D

Acq: 4 Apr 2019 00:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 400578

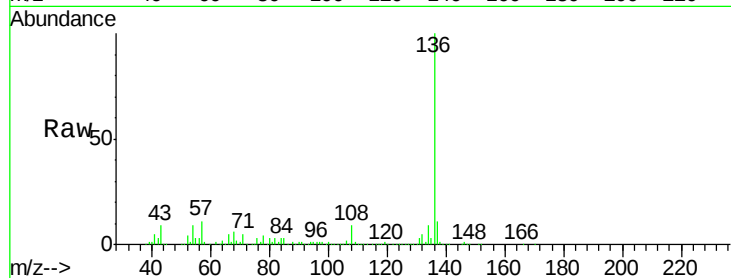
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.9 7.0 10.6

68 6.4 4.8 7.2

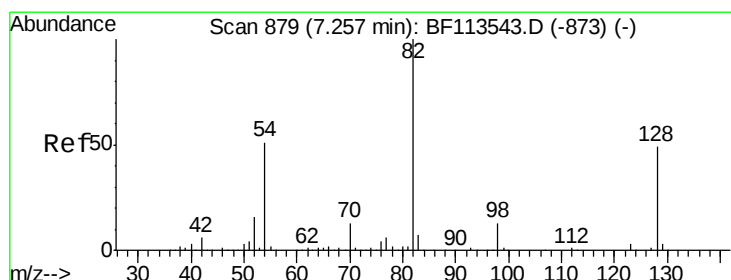
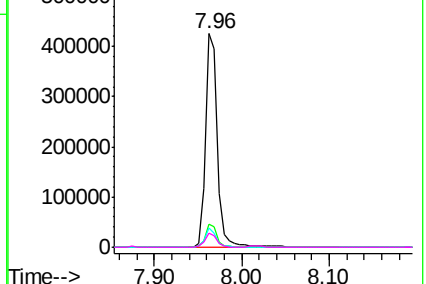
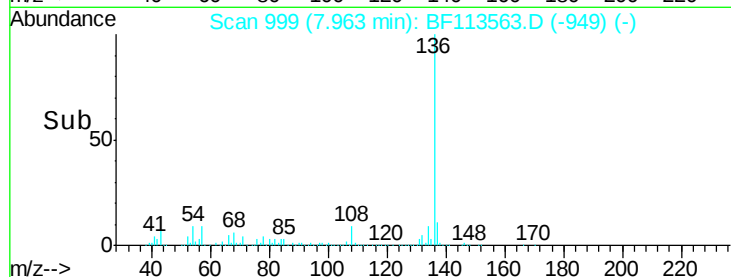


Abundance Ion 136.00 (135.70 to 136.70): E

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: 50.479 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF113563.D

Acq: 4 Apr 2019 00:47

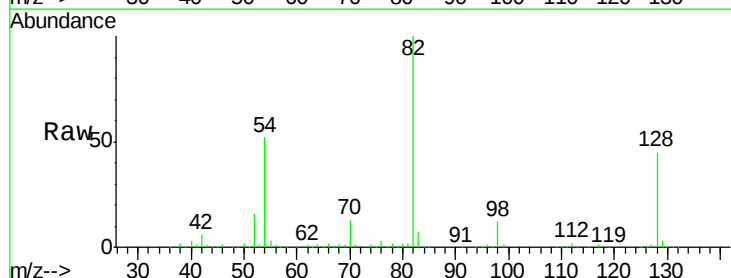
Tgt Ion: 82 Resp: 345207

Ion Ratio Lower Upper

82 100

128 45.4 36.5 54.7

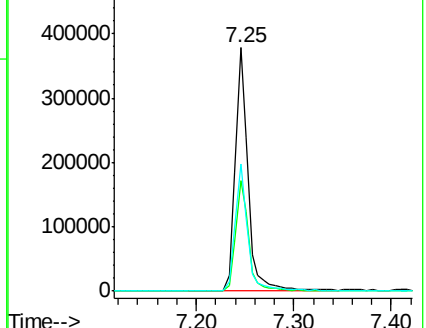
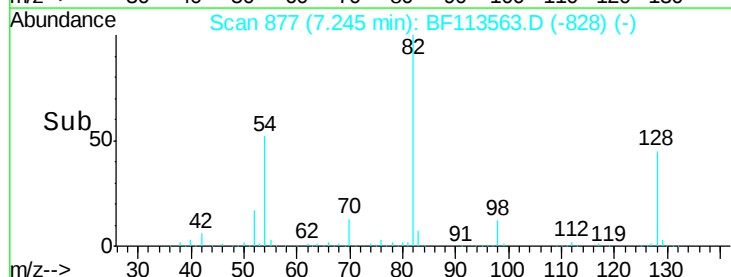
54 52.2 42.2 63.2



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

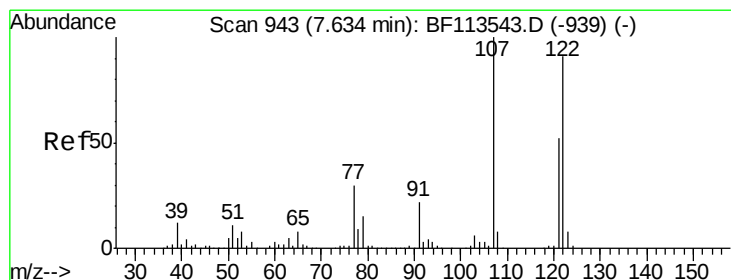
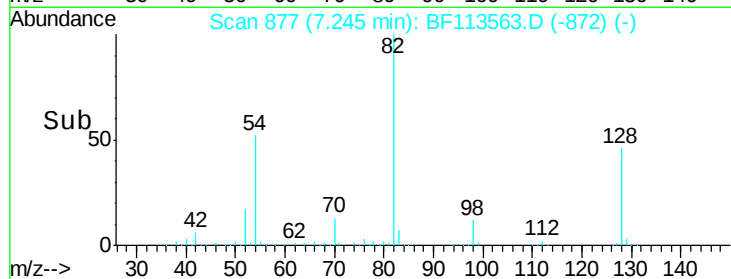
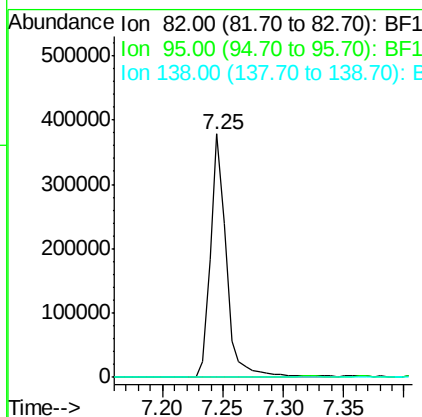
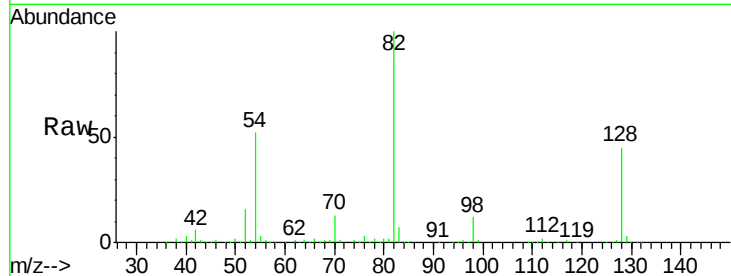




#25
Isophorone
Concen: 26.038 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.27 min
Lab File: BF113563.D
Acq: 4 Apr 2019 00:47

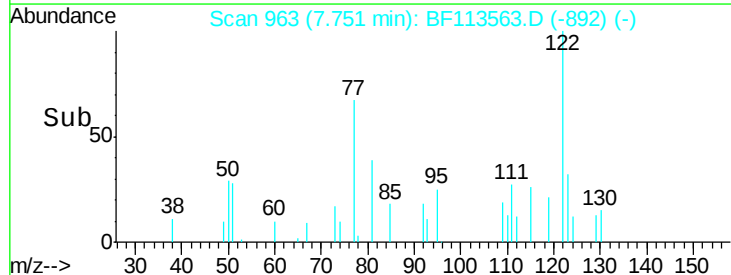
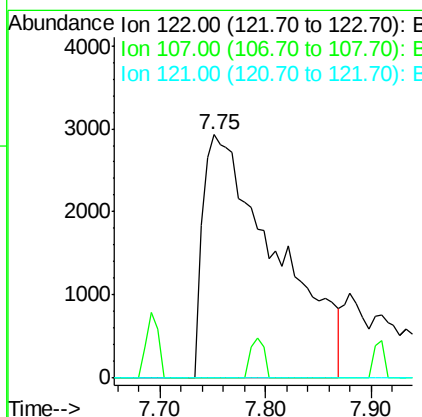
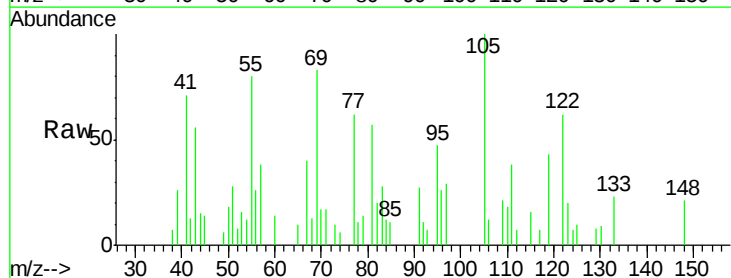
Instrument :
BNA_F
ClientSampleId :

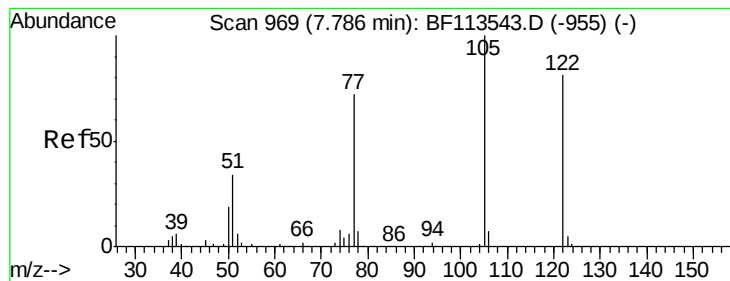
Tot Ion: 82 Resp: 343019
Ion Ratio Lower Upper
82 100
95 0.2 5.5 8.3#
138 0.0 15.2 22.8#



#27
2,4-Dimethylphenol
Concen: 2.580 ng
RT: 7.75 min Scan# 963
Delta R.T. 0.12 min
Lab File: BF113563.D
Acq: 4 Apr 2019 00:47

Tgt Ion: 122 Resp: 13981
Ion Ratio Lower Upper
122 100
107 0.0 88.8 133.2#
121 0.0 45.5 68.3#





#32

Benzoic acid

Concen: 3.332 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.04 min

Lab File: BF113563.D

Acq: 4 Apr 2019 00:47

Instrument :

BNA_F

ClientSampleId :

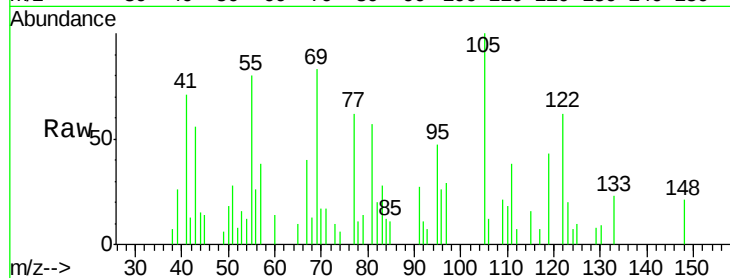
Tot Ion:122 Resp: 13981

Ion Ratio Lower Upper

122 100

105 161.9 100.4 140.4#

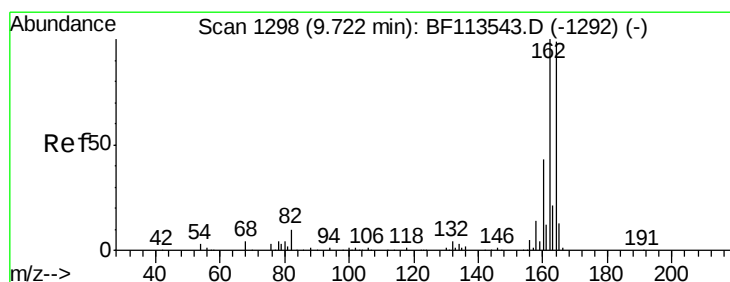
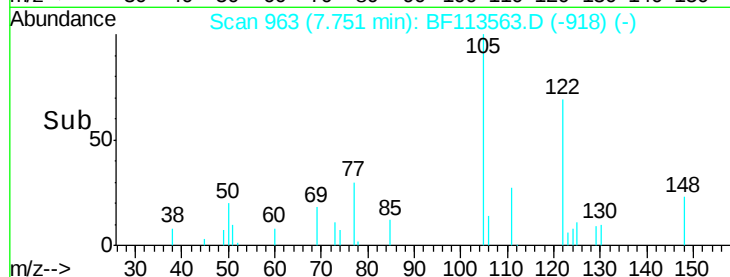
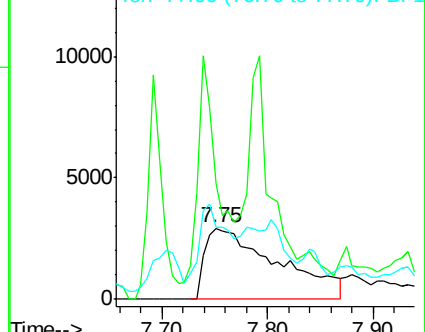
77 101.0 69.0 109.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BF113563.D

Acq: 4 Apr 2019 00:47

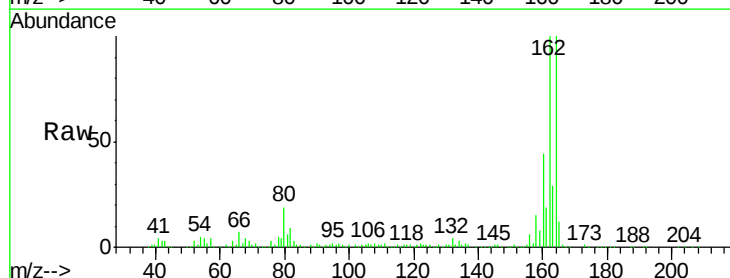
Tgt Ion:164 Resp: 173202

Ion Ratio Lower Upper

164 100

162 100.1 81.8 122.6

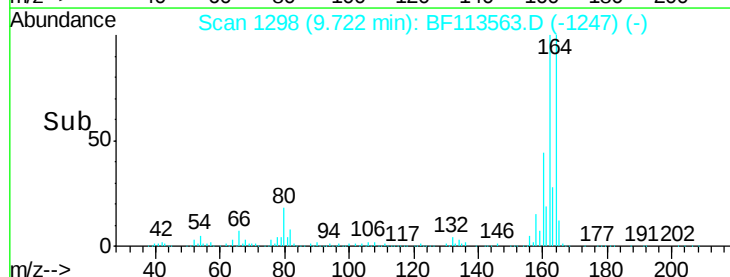
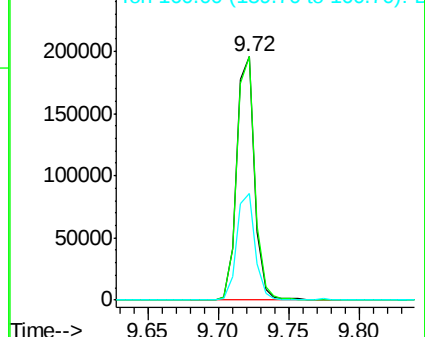
160 43.9 36.4 54.6

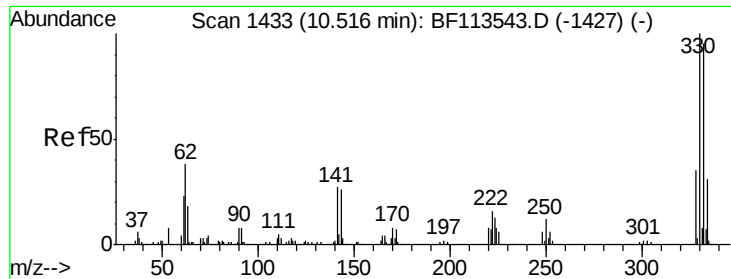


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 70.433 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF113563.D

Acq: 4 Apr 2019 00:47

Instrument :

BNA_F

ClientSampleId :

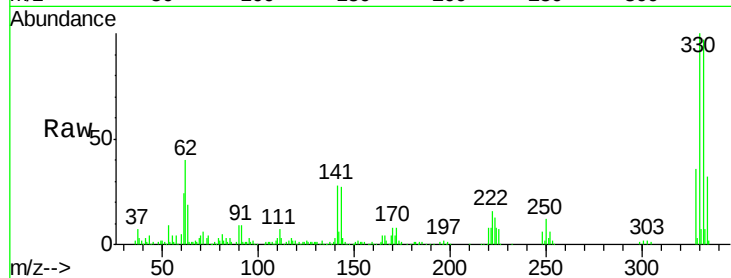
Tot Ion:330 Resp: 146541

Ion Ratio Lower Upper

330 100

332 96.9 77.8 116.6

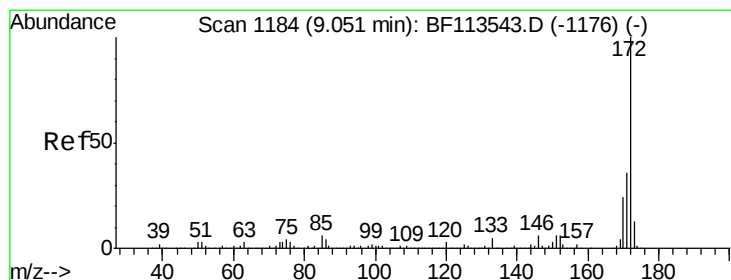
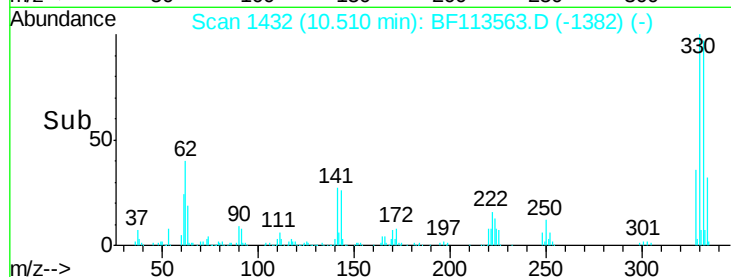
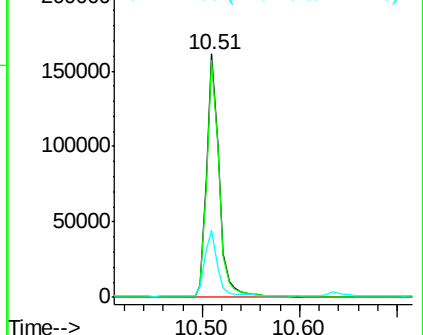
141 27.7 22.7 34.1



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: 58.407 ng

RT: 9.05 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BF113563.D

Acq: 4 Apr 2019 00:47

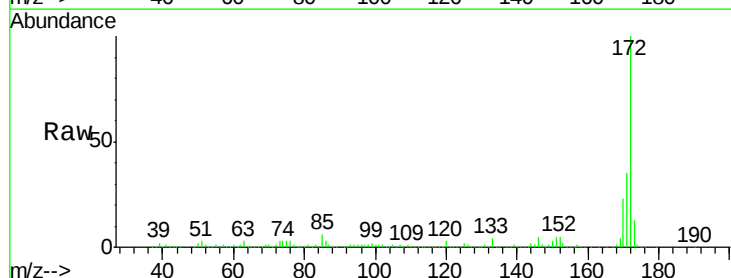
Tgt Ion:172 Resp: 628381

Ion Ratio Lower Upper

172 100

171 35.0 29.0 43.6

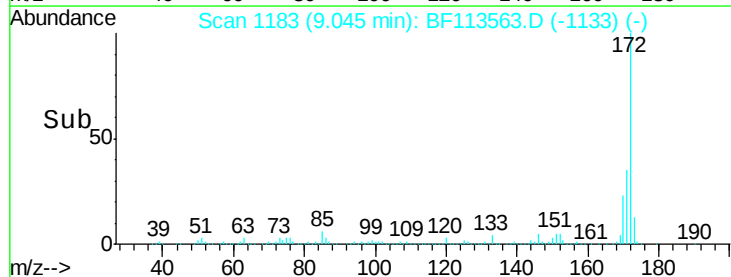
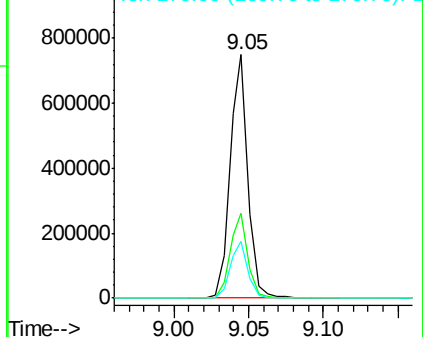
170 23.4 19.5 29.3

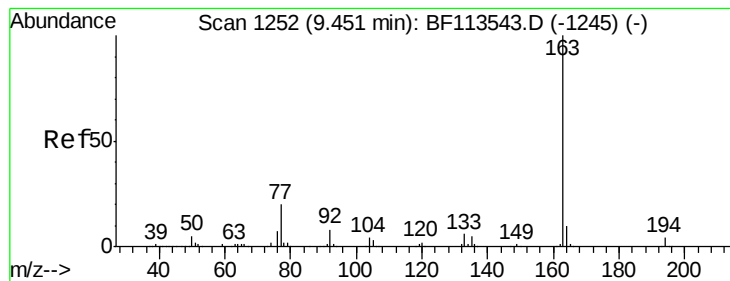


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.204 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BF113563.D

Acq: 4 Apr 2019 00:47

Instrument :

BNA_F

ClientSampleId :

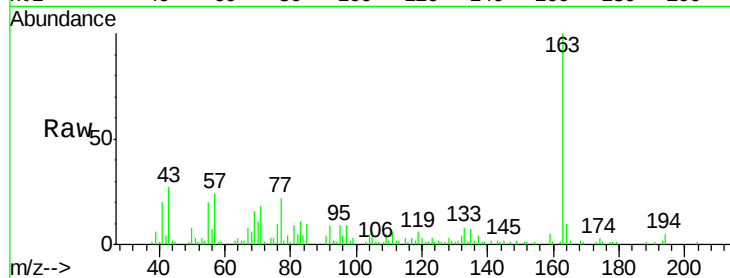
Tot Ion:163 Resp: 40904

Ion Ratio Lower Upper

163 100

194 5.3 3.0 4.6#

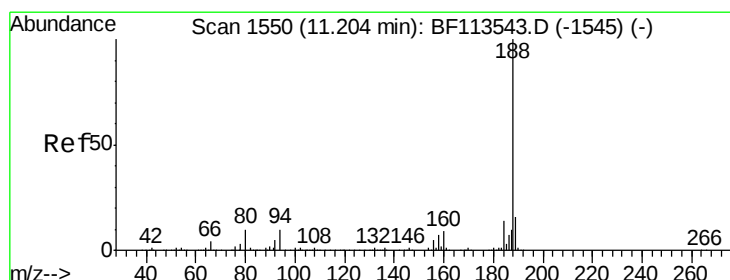
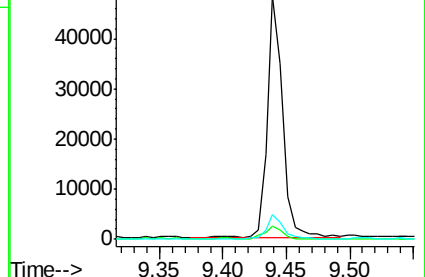
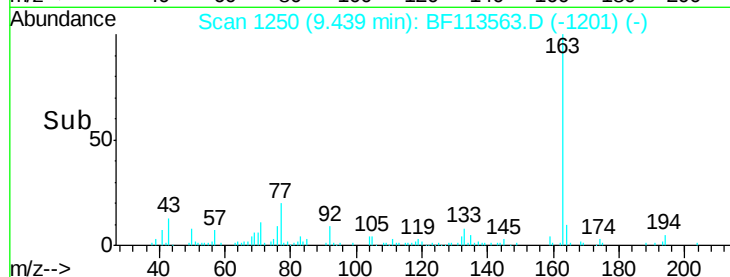
164 10.3 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1550

Delta R.T. -0.00 min

Lab File: BF113563.D

Acq: 4 Apr 2019 00:47

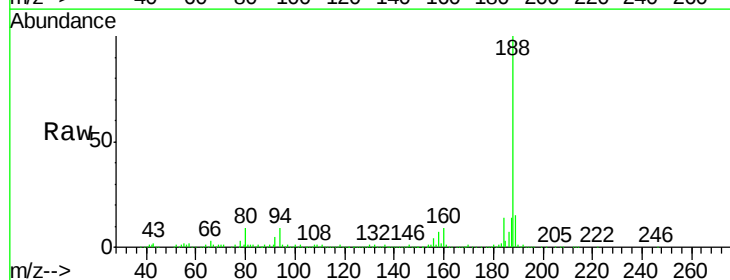
Tgt Ion:188 Resp: 347923

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.6

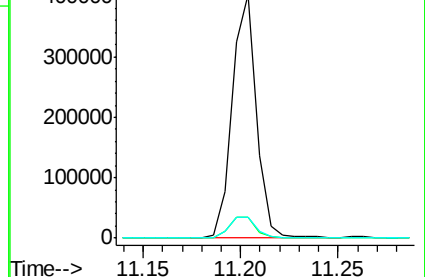
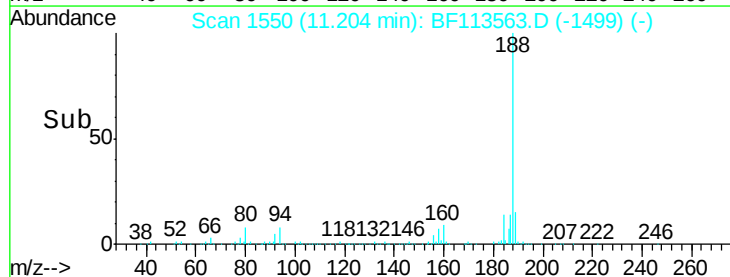
80 8.5 7.7 11.5

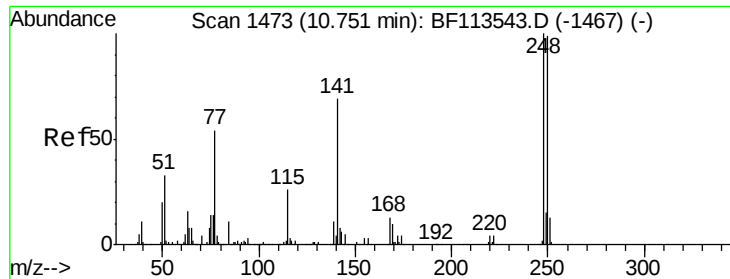


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

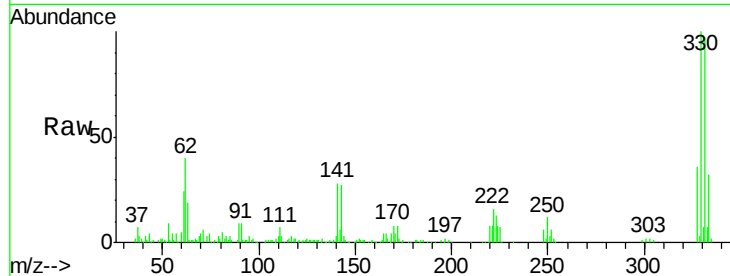




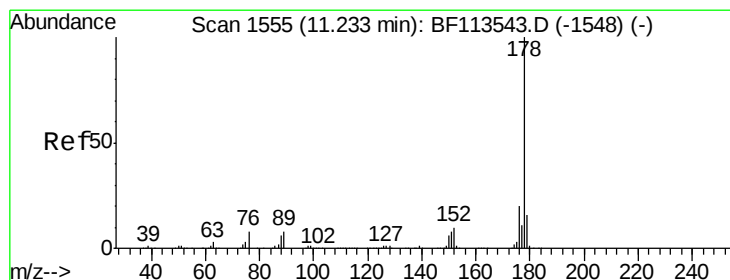
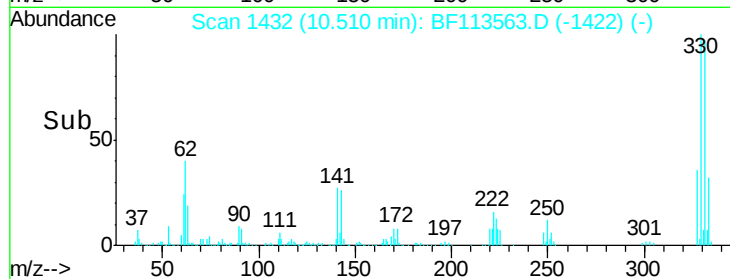
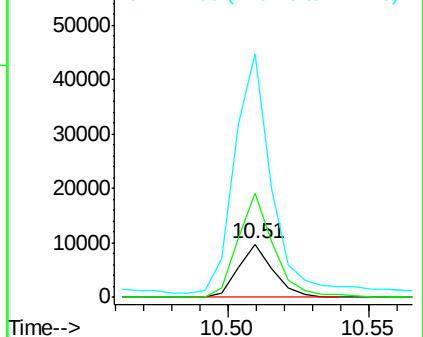
#67
 4-Bromophenyl-phenylether
 Concen: 2.118 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.24 min
 Lab File: BF113563.D
 Acq: 4 Apr 2019 00:47

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:248 Resp: 8265
 Ion Ratio Lower Upper
 248 100
 250 196.2 78.3 117.5#
 141 456.8 56.2 84.4#

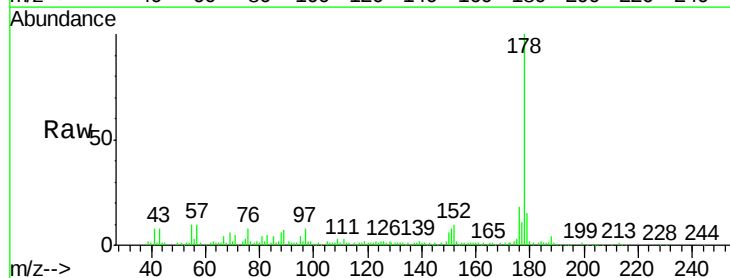


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

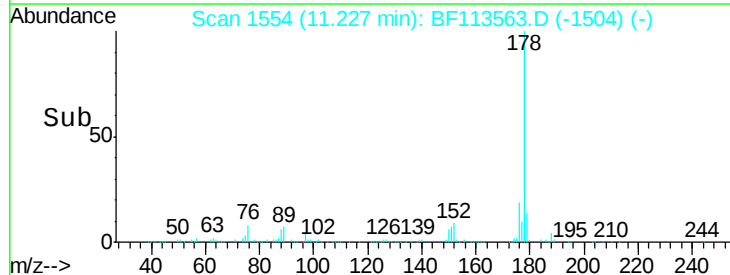
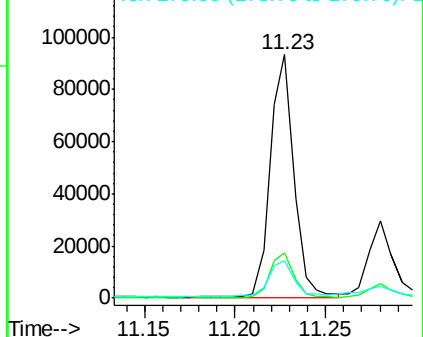


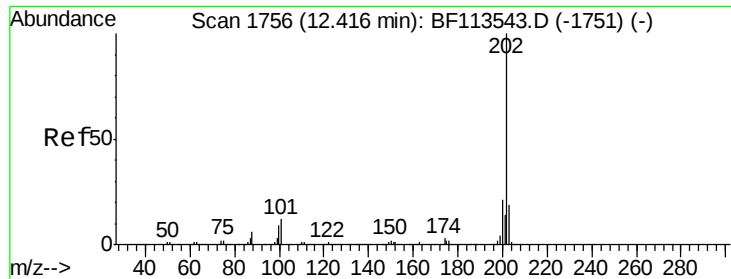
#71
 Phenanthrene
 Concen: 4.849 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF113563.D
 Acq: 4 Apr 2019 00:47

Tgt Ion:178 Resp: 83824
 Ion Ratio Lower Upper
 178 100
 176 18.4 16.2 24.2
 179 15.3 12.7 19.1



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





#75

Fluoranthene

Concen: 10.869 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.00 min

Lab File: BF113563.D

Acq: 4 Apr 2019 00:47

Instrument :

BNA_F

ClientSampleId :

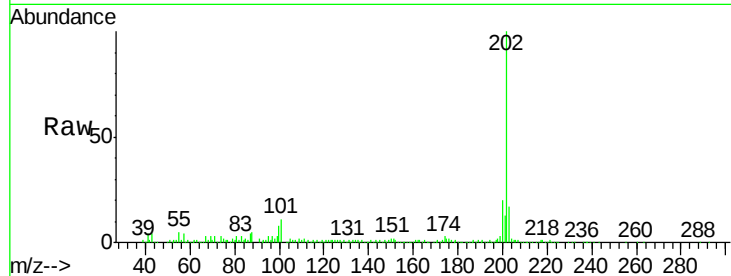
Tot Ion:202 Resp: 201352

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.4

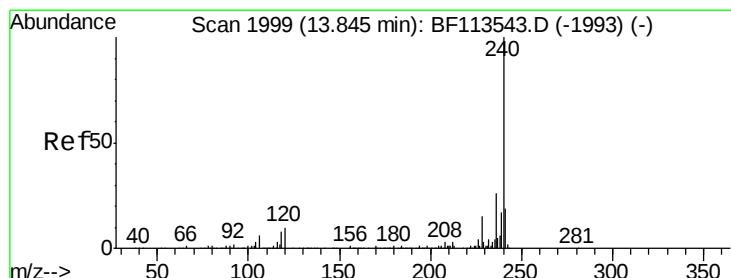
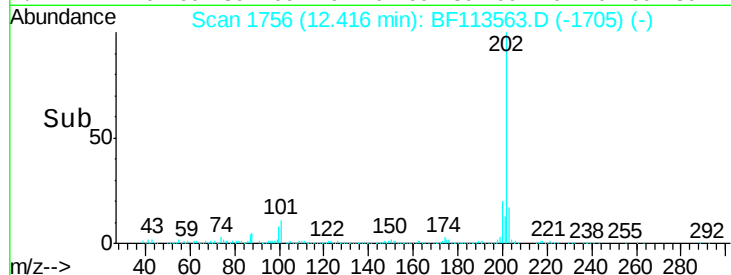
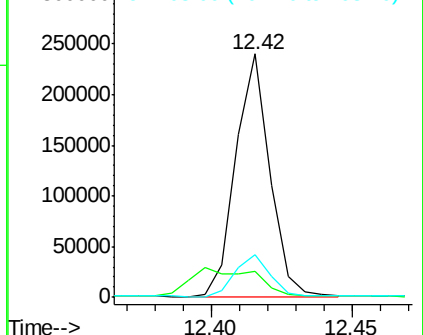
203 17.3 0.0 38.0



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: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF113563.D

Acq: 4 Apr 2019 00:47

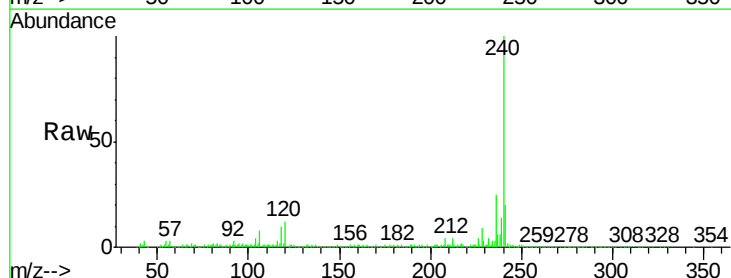
Tgt Ion:240 Resp: 326077

Ion Ratio Lower Upper

240 100

120 11.6 8.8 13.2

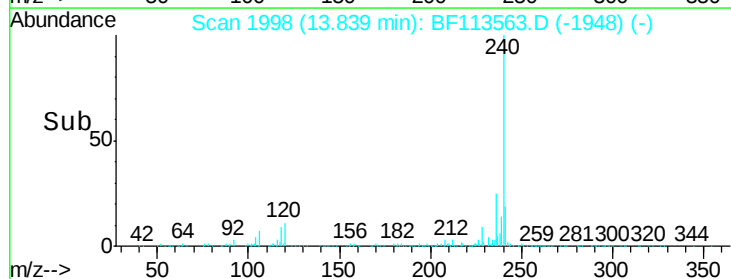
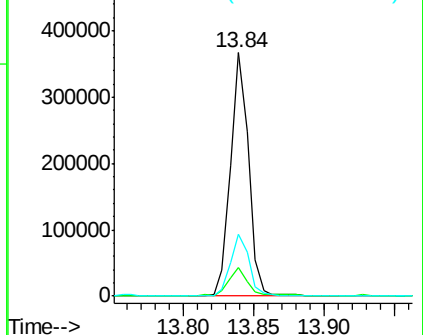
236 25.3 20.9 31.3

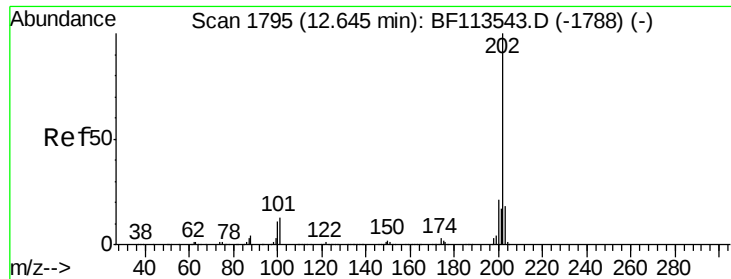


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 9.309 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.00 min

Lab File: BF113563.D

Acq: 4 Apr 2019 00:47

Instrument :

BNA_F

ClientSampleId :

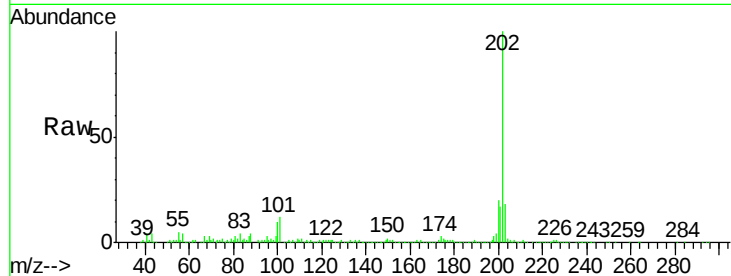
Tot Ion:202 Resp: 230965

Ion Ratio Lower Upper

202 100

200 19.6 16.8 25.2

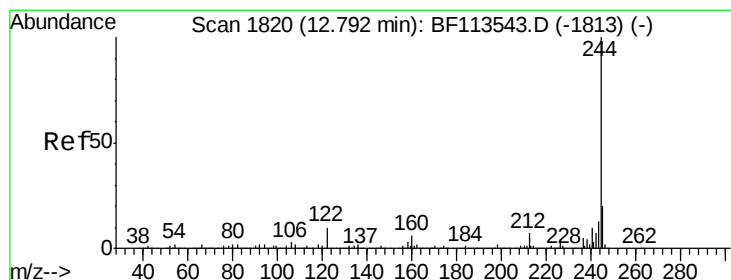
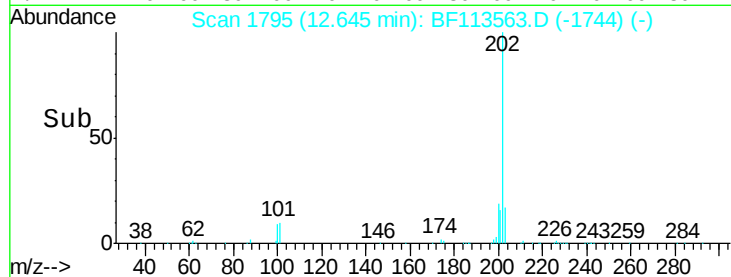
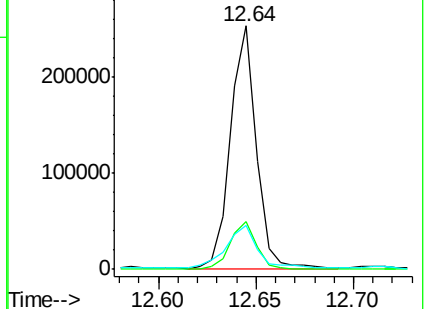
203 17.8 14.4 21.6



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: 47.258 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF113563.D

Acq: 4 Apr 2019 00:47

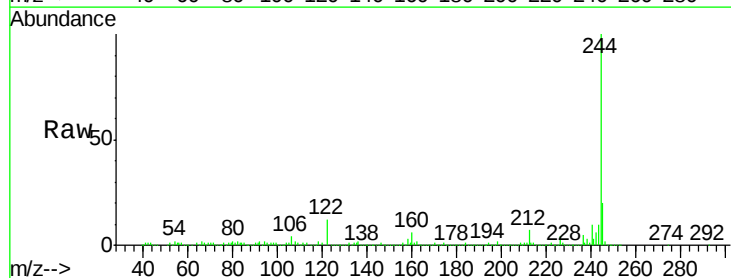
Tgt Ion:244 Resp: 756861

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

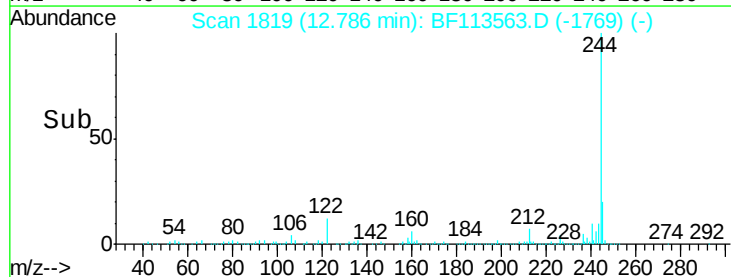
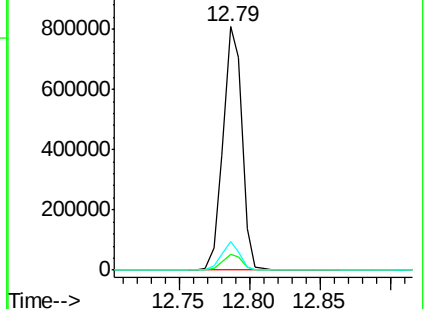
122 11.8 8.6 13.0

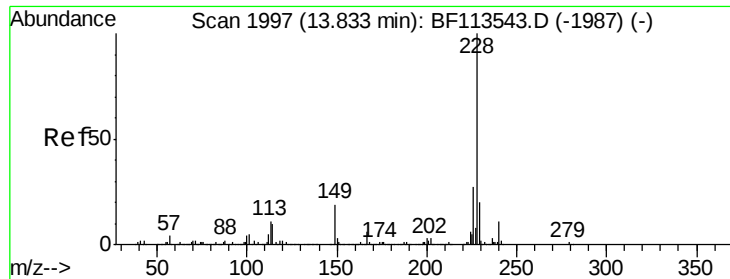


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 5.408 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF113563.D

Acq: 4 Apr 2019 00:47

Instrument :

BNA_F

ClientSampleId :

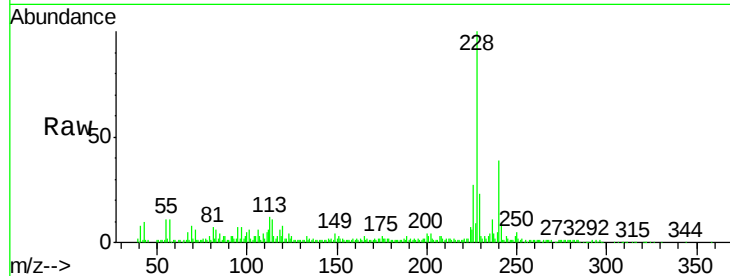
Tot Ion:228 Resp: 101725

Ion Ratio Lower Upper

228 100

226 27.1 21.8 32.8

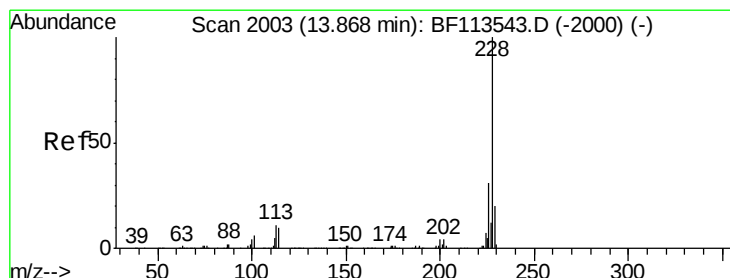
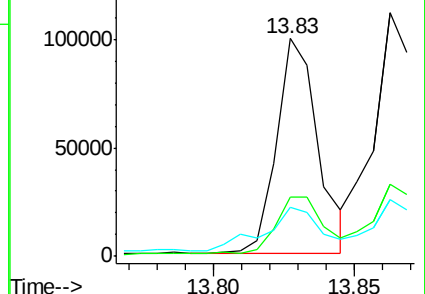
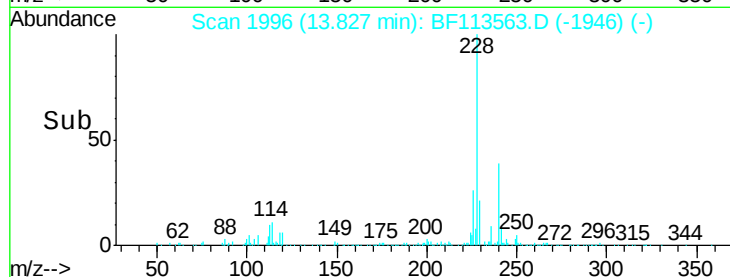
229 22.7 16.2 24.4



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



#83

Chrysene

Concen: 5.912 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113563.D

Acq: 4 Apr 2019 00:47

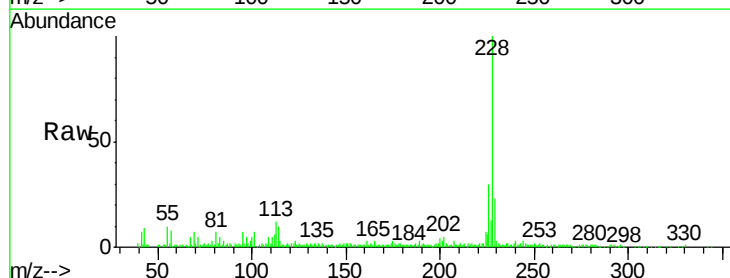
Tgt Ion:228 Resp: 112734

Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

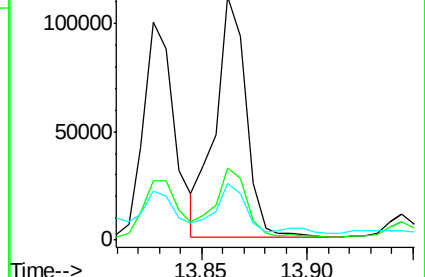
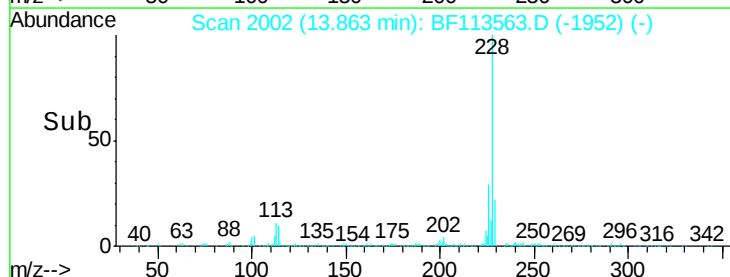
229 23.5 16.3 24.5

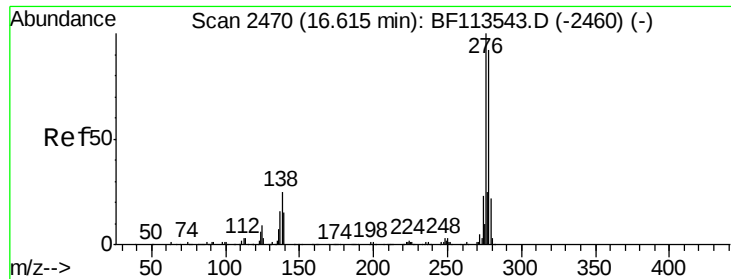


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.700 ng

RT: 16.62 min Scan# 2471

Delta R.T. 0.01 min

Lab File: BF113563.D

Acq: 4 Apr 2019 00:47

Instrument :

BNA_F

ClientSampleId :

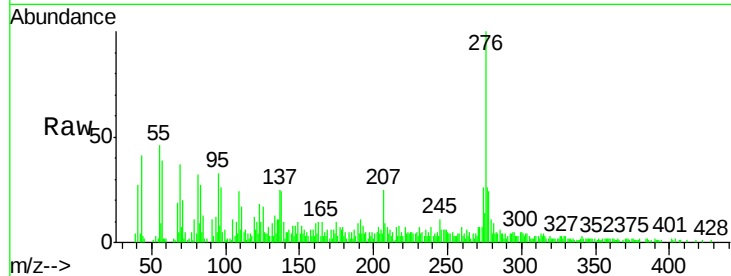
Tot Ion:276 Resp: 47530

Ion Ratio Lower Upper

276 100

138 21.0 18.1 27.1

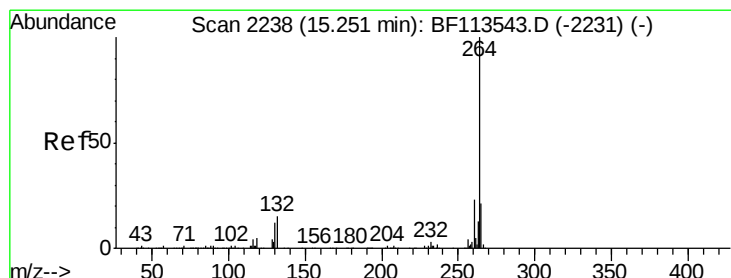
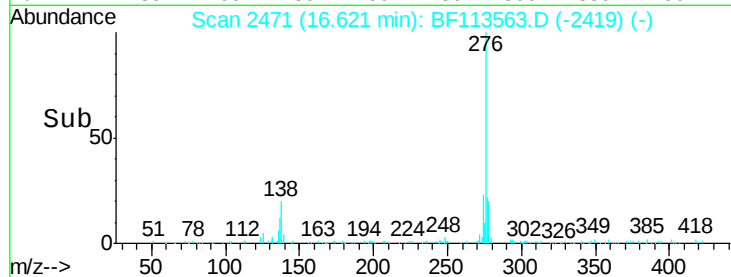
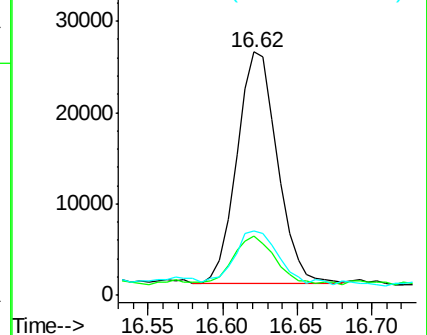
277 25.9 20.2 30.4



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: 20.000 ng

RT: 15.25 min Scan# 2238

Delta R.T. -0.00 min

Lab File: BF113563.D

Acq: 4 Apr 2019 00:47

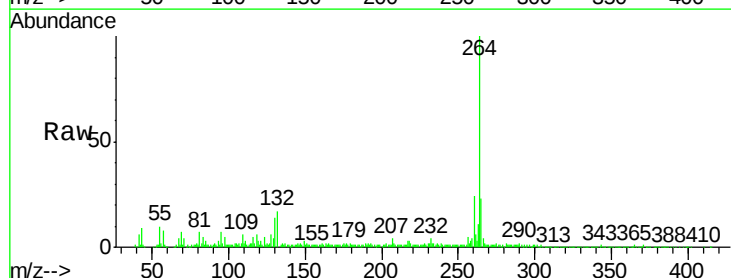
Tgt Ion:264 Resp: 240530

Ion Ratio Lower Upper

264 100

260 24.4 19.1 28.7

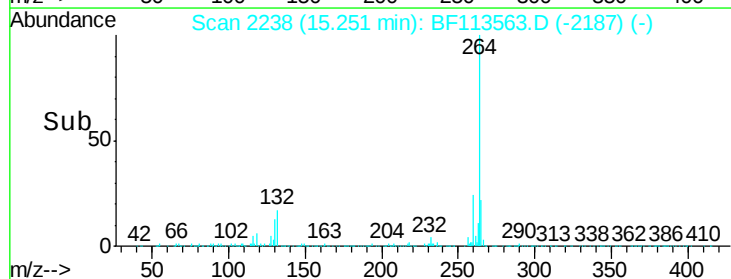
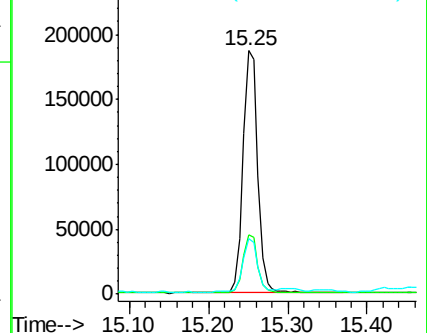
265 23.0 17.1 25.7

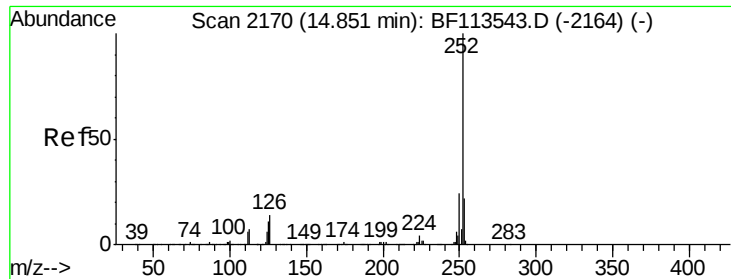


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

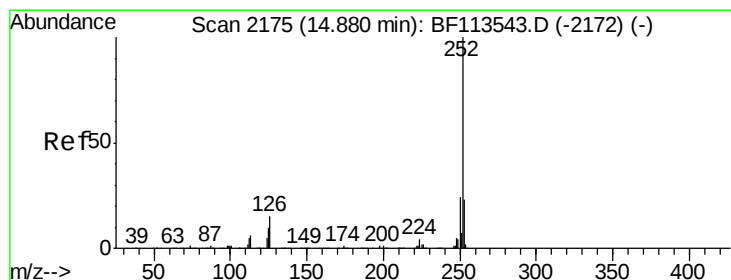
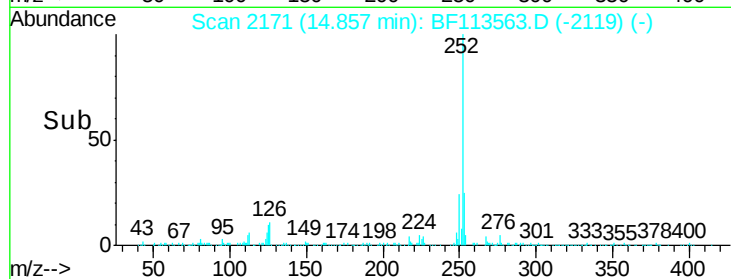
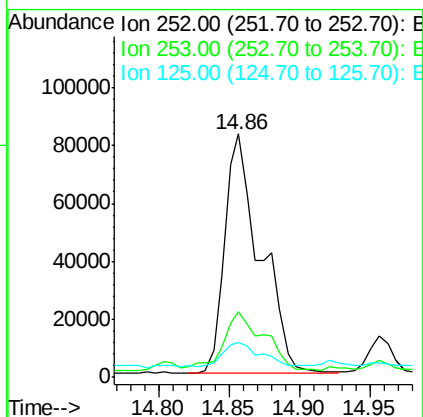
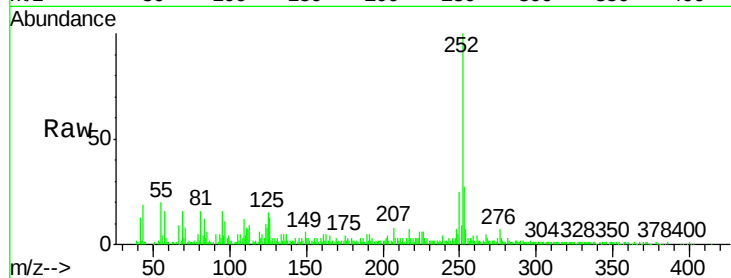




#88
Benzo(b)fluoranthene
Concen: 9.916 ng
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF113563.D
Acq: 4 Apr 2019 00:47

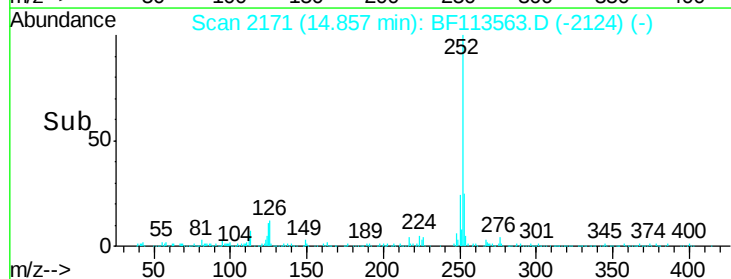
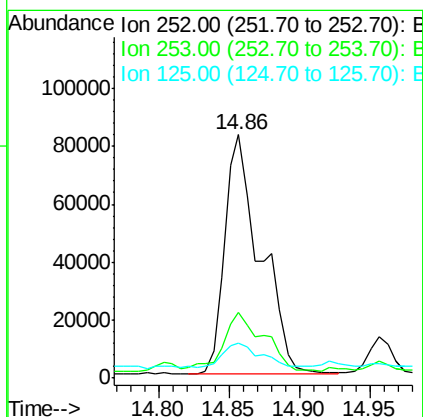
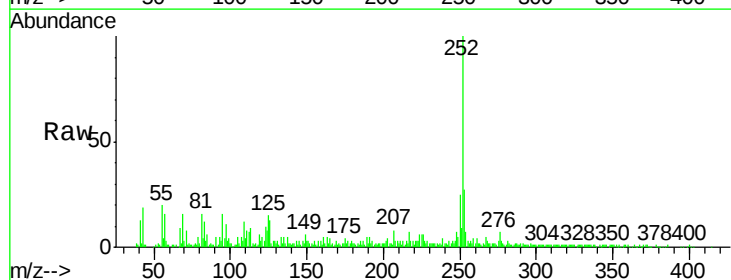
Instrument :
BNA_F
ClientSampleId :

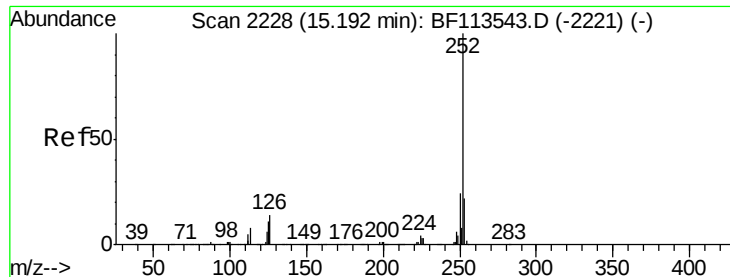
Tot Ion:252 Resp: 146003
Ion Ratio Lower Upper
252 100
253 27.0 18.0 27.0#
125 14.6 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 11.049 ng
RT: 14.86 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF113563.D
Acq: 4 Apr 2019 00:47

Tgt Ion:252 Resp: 146003
Ion Ratio Lower Upper
252 100
253 27.0 17.7 26.5#
125 14.6 7.3 10.9#

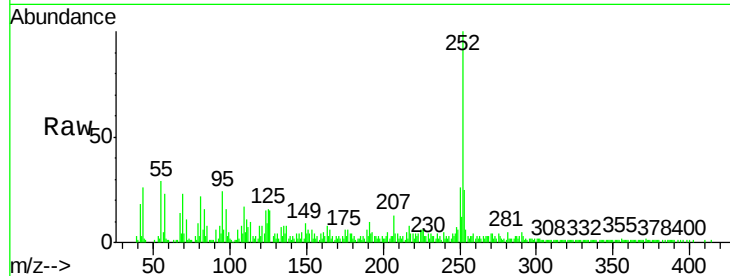




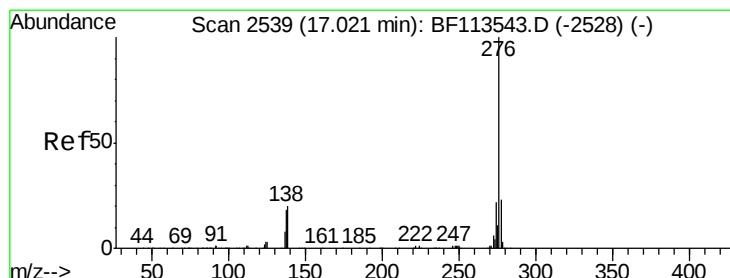
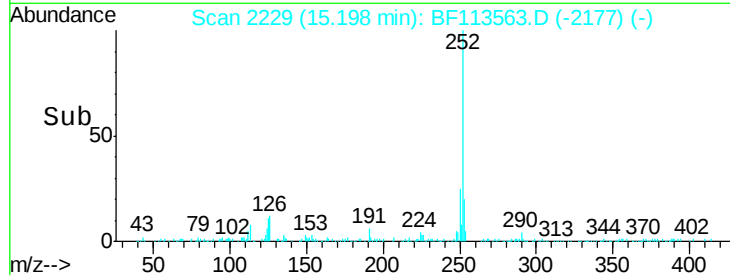
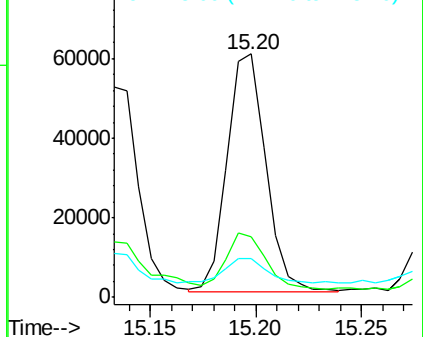
#90
Benzo(a)pyrene
Concen: 5.785 ng
RT: 15.20 min Scan# 2229
Delta R.T. 0.01 min
Lab File: BF113563.D
Acq: 4 Apr 2019 00:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 75692
Ion Ratio Lower Upper
252 100
253 25.0 17.9 26.9
125 16.2 8.8 13.2#

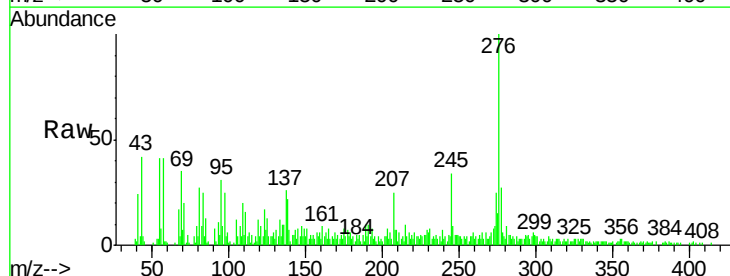


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.379 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.02 min
Lab File: BF113563.D
Acq: 4 Apr 2019 00:47

Tgt Ion:276 Resp: 54680
Ion Ratio Lower Upper
276 100
277 26.8 18.8 28.2
138 22.0 15.6 23.4



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

