

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
 Data File : BF113138.D
 Acq On : 19 Mar 2019 21:08
 Operator : JU/SJ
 Sample : K1693-11 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-031819-B

Quant Time: Mar 20 01:49:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	123572	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	486686	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	232020	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	415887	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	295380	20.00	ng	0.00
87) Perylene-d12	15.27	264	258901	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	195543	24.62	ng	-0.01
7) Phenol-d6	6.36	99	220652	22.11	ng	-0.01
23) Nitrobenzene-d5	7.28	82	125797	15.47	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	63210	25.66	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	273771	15.00	ng	-0.01
79) Terphenyl-d14	12.81	244	234958	15.42	ng	-0.01

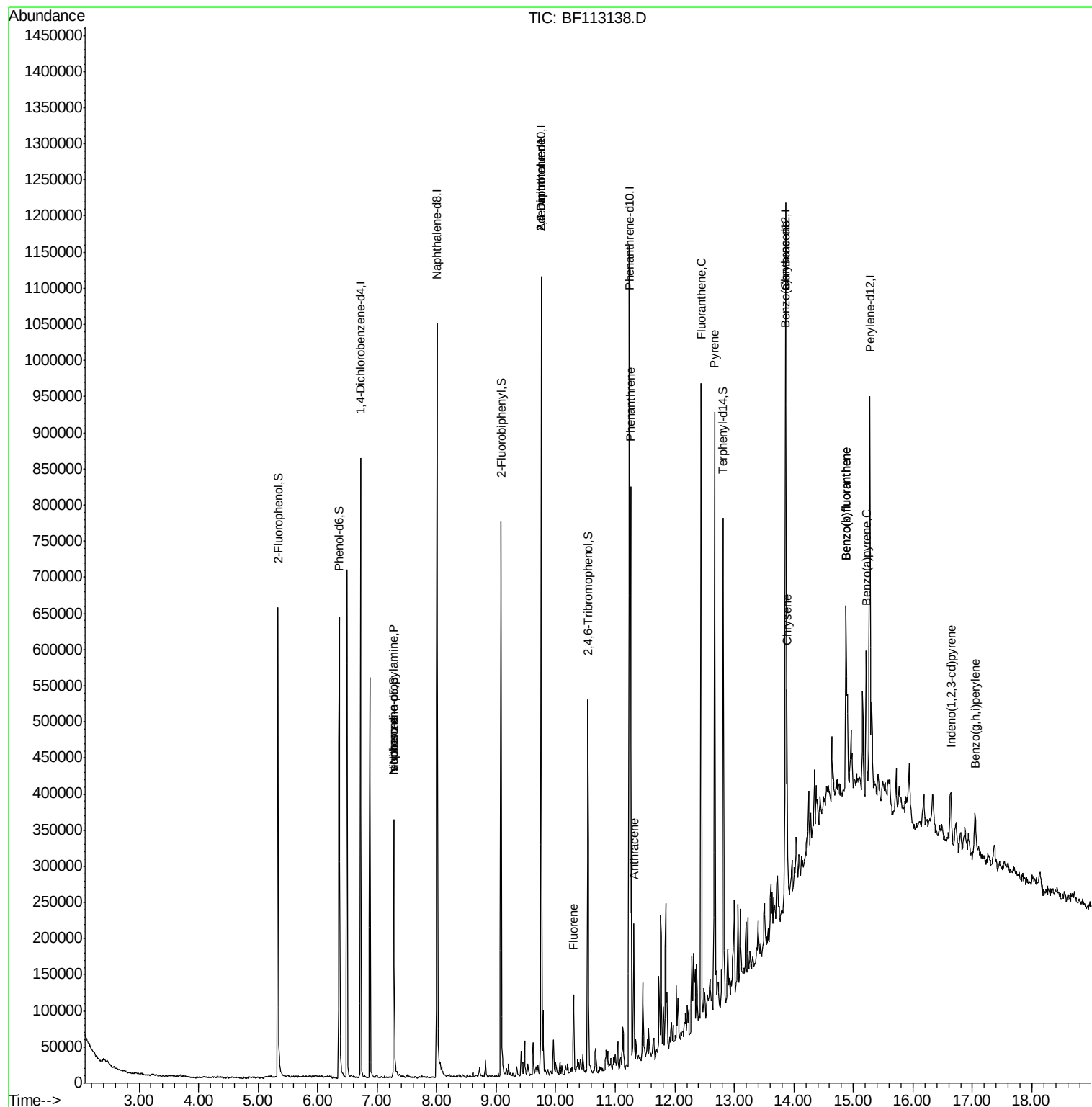
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	16714	2.645	ng	# 74
25) Isophorone	7.28	82	125795	7.179	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	30288	8.502	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	30288	6.840	ng	# 18
58) Fluorene	10.30	166	30622	2.023	ng	93
71) Phenanthrene	11.26	178	274370	13.260	ng	97
72) Anthracene	11.31	178	72521	3.348	ng	99
75) Fluoranthene	12.45	202	373735	16.858	ng	94
78) Pyrene	12.67	202	341168	13.701	ng	99
81) Benzo(a)anthracene	13.85	228	135968	6.642	ng	99
83) Chrysene	13.89	228	121519	6.060	ng	95
86) Indeno(1,2,3-cd)pyrene	16.63	276	49079	2.871	ng	# 89
88) Benzo(b)fluoranthene	14.87	252	177838	10.619	ng	97
89) Benzo(k)fluoranthene	14.87	252	177838	11.724	ng	96
90) Benzo(a)pyrene	15.22	252	95737	6.463	ng	98
92) Benzo(g,h,i)perylene	17.04	276	42267	3.330	ng	# 94

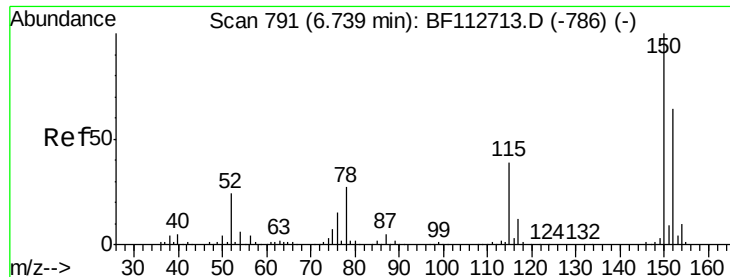
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113138.D
Acq On : 19 Mar 2019 21:08
Operator : JU/SJ
Sample : K1693-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-031819-B

Quant Time: Mar 20 01:49:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 13 03:42:55 2019
Response via : Initial Calibration



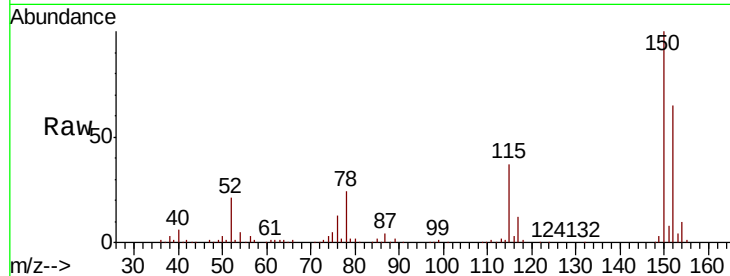


#1

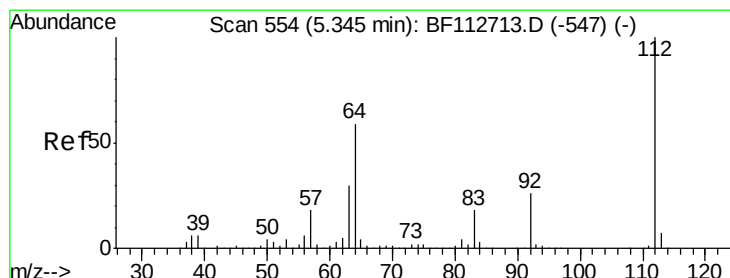
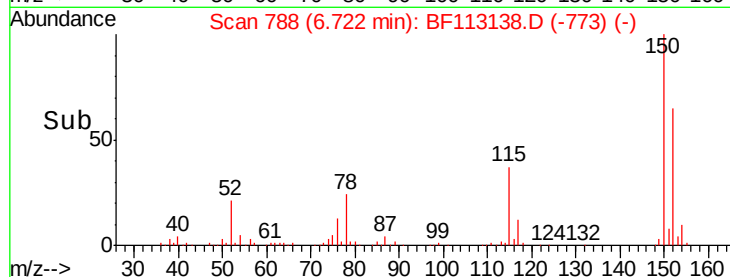
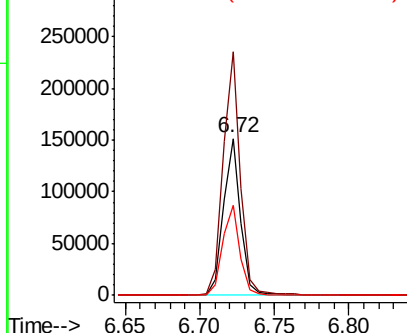
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF113138.D
 Acq: 19 Mar 2019 21:08

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-031819-B

Tgt Ion:152 Resp: 123572
 Ion Ratio Lower Upper
 152 100
 150 155.0 124.2 186.2
 115 57.2 48.2 72.4



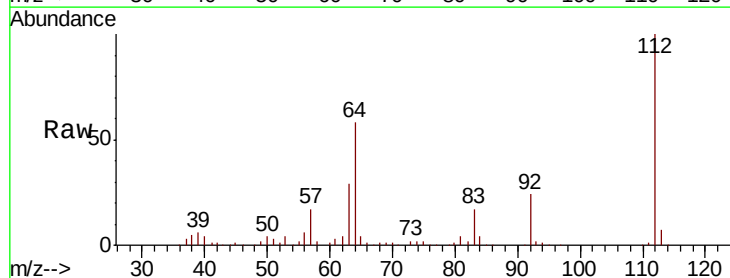
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



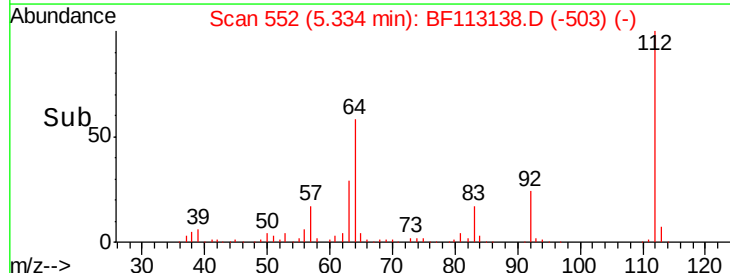
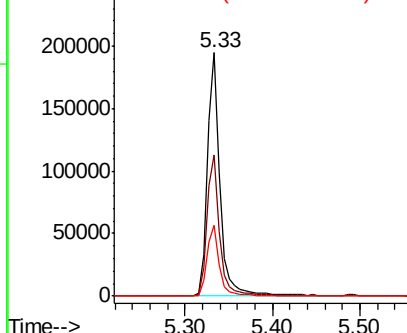
#5

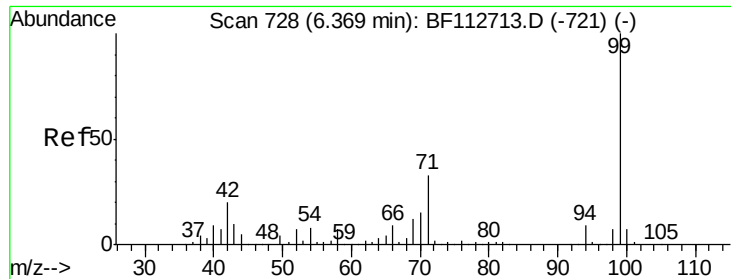
2-Fluorophenol
 Concen: 24.615 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF113138.D
 Acq: 19 Mar 2019 21:08

Tgt Ion:112 Resp: 195543
 Ion Ratio Lower Upper
 112 100
 64 58.0 47.6 71.4
 63 29.1 24.4 36.6



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: 22.112 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113138.D

Acq: 19 Mar 2019 21:08

Instrument :

BNA_F

ClientSampleId :

OR-03-031819-B

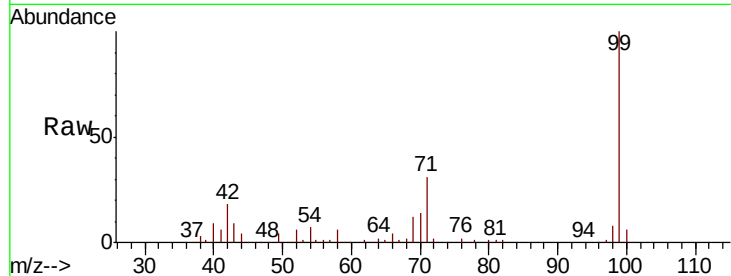
Tgt Ion: 99 Resp: 220652

Ion Ratio Lower Upper

99 100

42 18.3 16.3 24.5

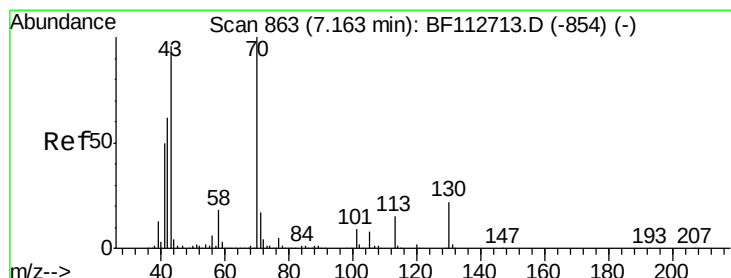
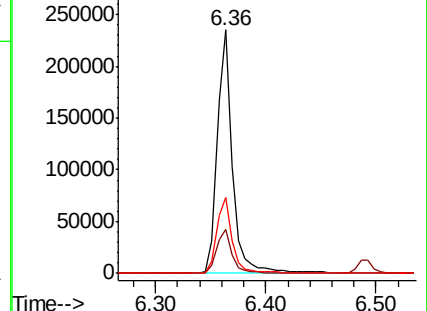
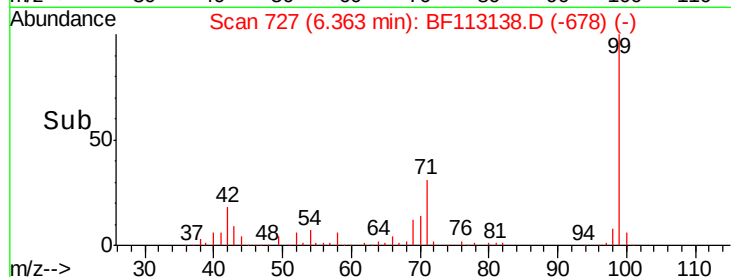
71 31.0 26.2 39.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.645 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.12 min

Lab File: BF113138.D

Acq: 19 Mar 2019 21:08

Tgt Ion: 70 Resp: 16714

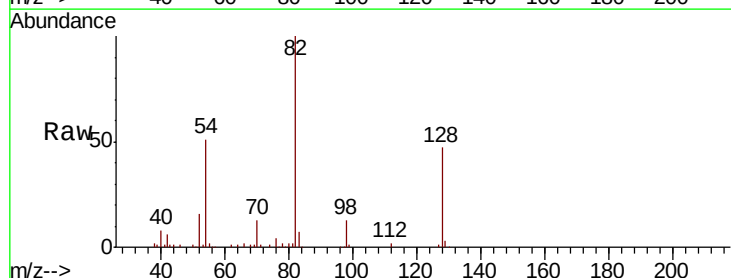
Ion Ratio Lower Upper

70 100

42 45.8 49.9 74.9#

101 0.0 7.4 11.2#

130 2.4 17.4 26.2#

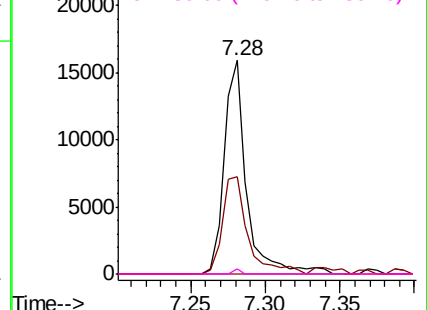
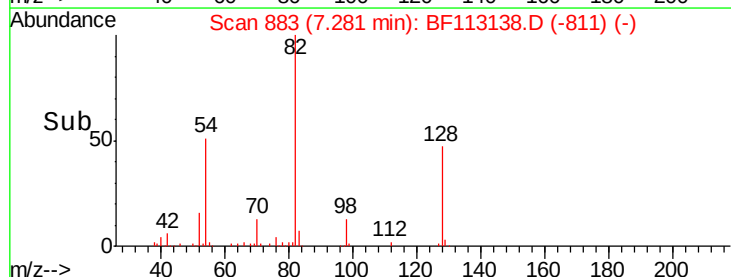


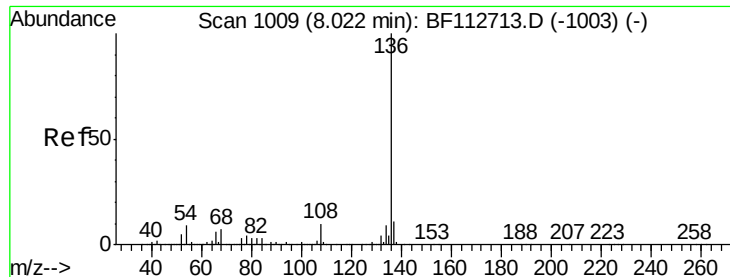
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

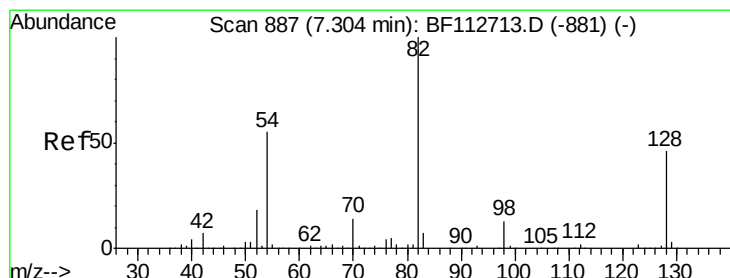
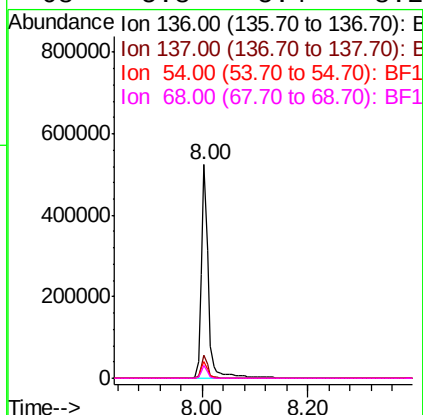
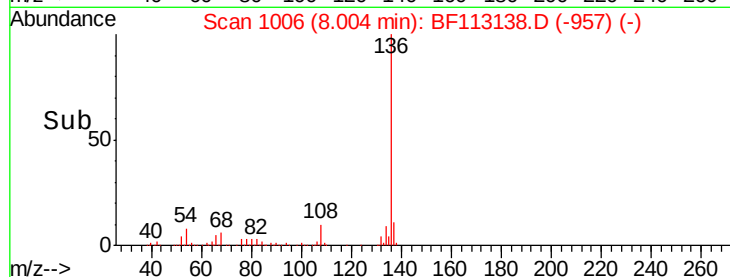
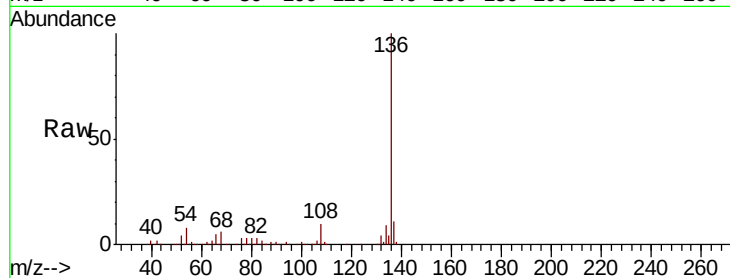




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF113138.D
Acq: 19 Mar 2019 21:08

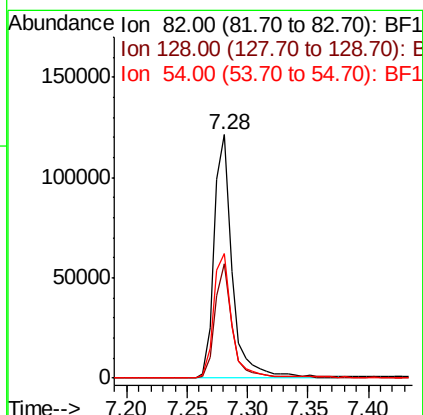
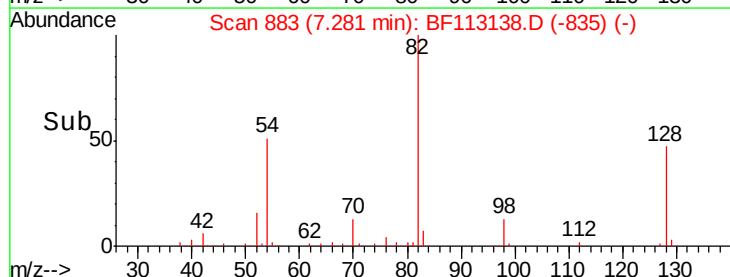
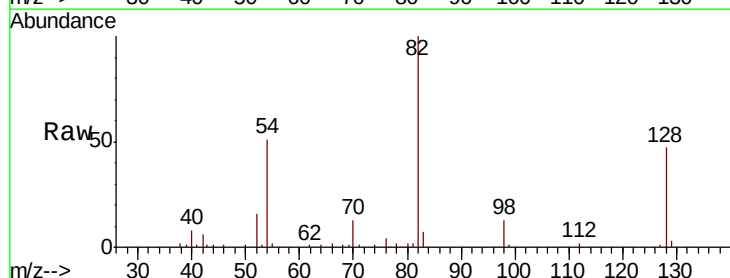
Instrument :
BNA_F
ClientSampleId :
OR-03-031819-B

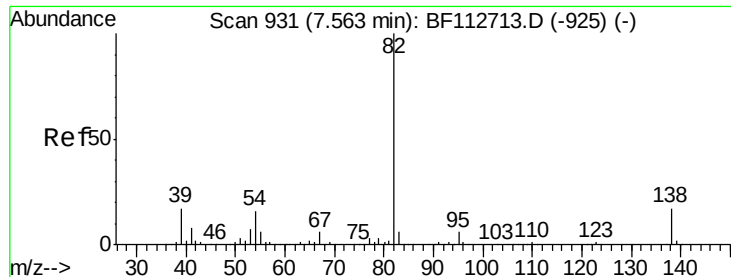
Tgt Ion:	136	Resp:	486686
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.1	7.3	10.9
68	5.8	5.4	8.2



#23
Nitrobenzene-d5
Concen: 15.467 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113138.D
Acq: 19 Mar 2019 21:08

Tgt Ion:	82	Resp:	125797
Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.3	54.5
54	51.4	43.7	65.5





#25

Isophorone

Concen: 7.179 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.28 min

Lab File: BF113138.D

Acq: 19 Mar 2019 21:08

Instrument :

BNA_F

ClientSampleId :

OR-03-031819-B

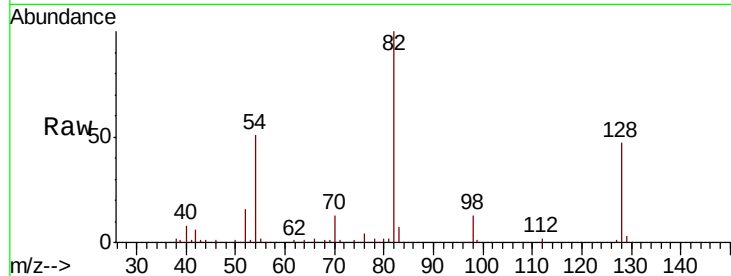
Tgt Ion: 82 Resp: 125795

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

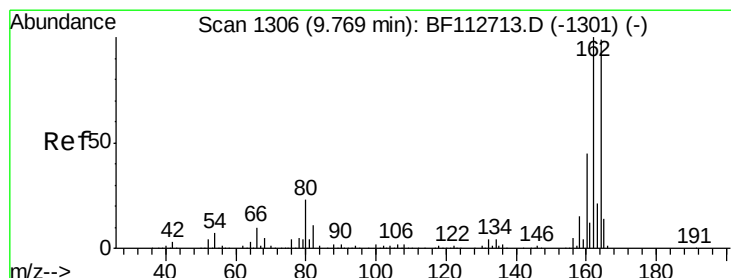
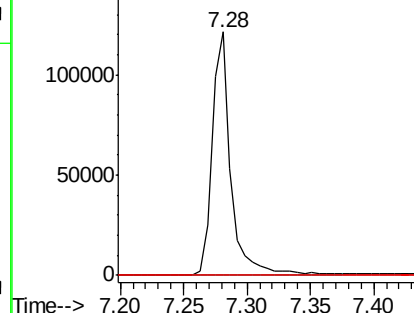
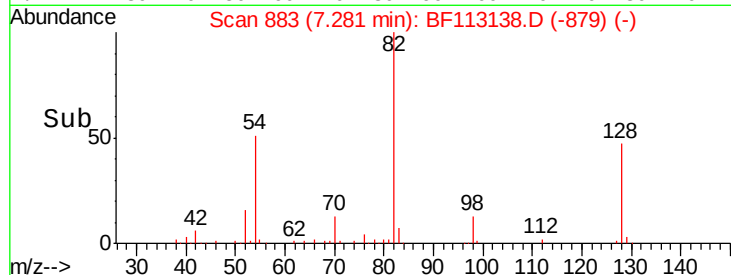
138 0.0 13.8 20.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF113138.D

Acq: 19 Mar 2019 21:08

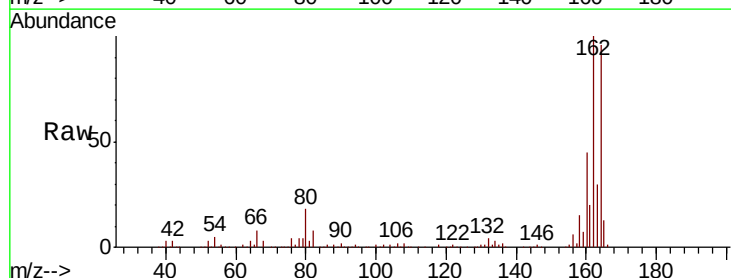
Tgt Ion: 164 Resp: 232020

Ion Ratio Lower Upper

164 100

162 104.3 80.6 120.8

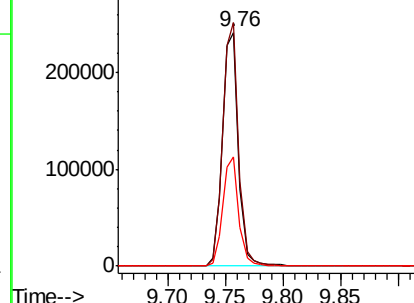
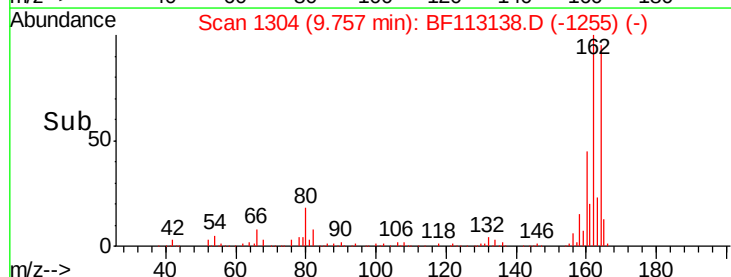
160 46.7 36.0 54.0

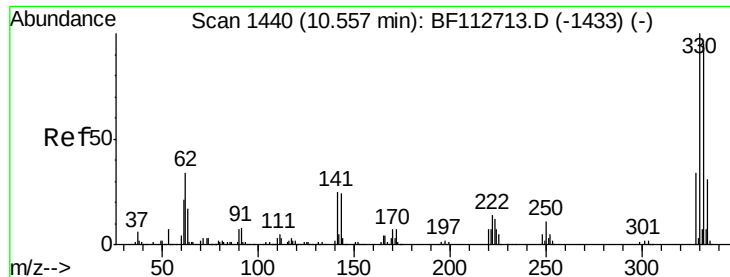


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

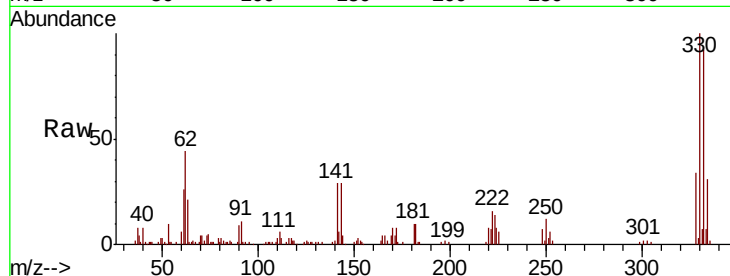




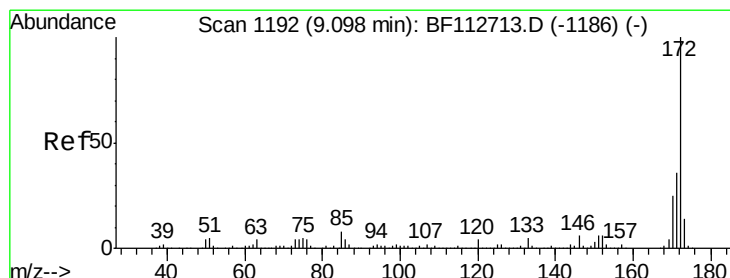
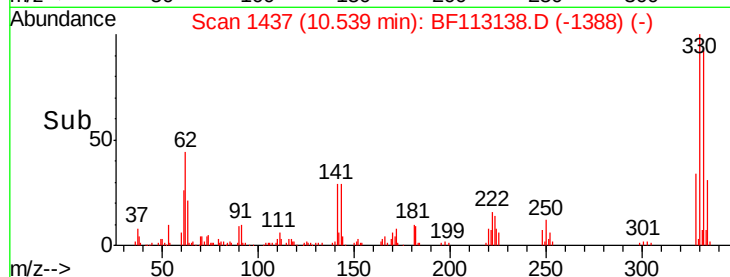
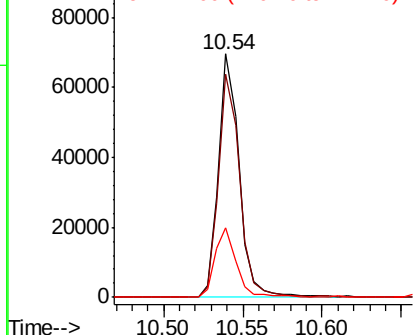
#42
 2,4,6-Tribromophenol
 Concen: 25.662 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF113138.D
 Acq: 19 Mar 2019 21:08

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-031819-B

Tgt Ion:330 Resp: 63210
 Ion Ratio Lower Upper
 330 100
 332 93.7 76.2 114.4
 141 29.5 27.0 40.6

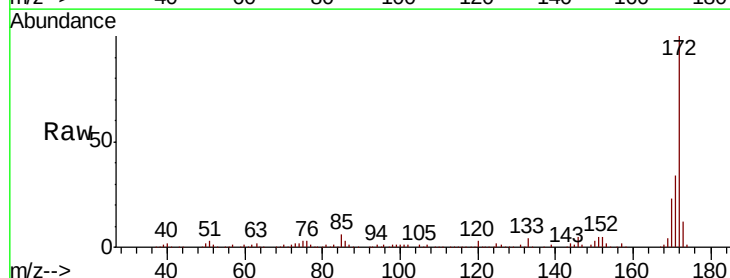


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

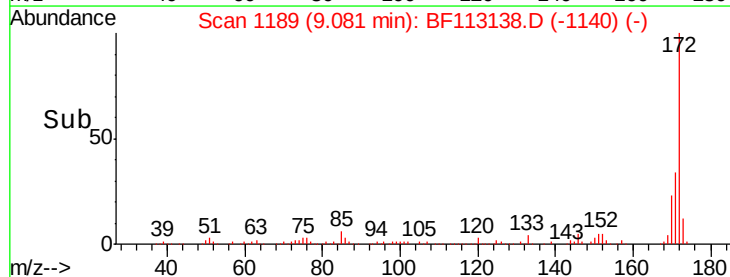
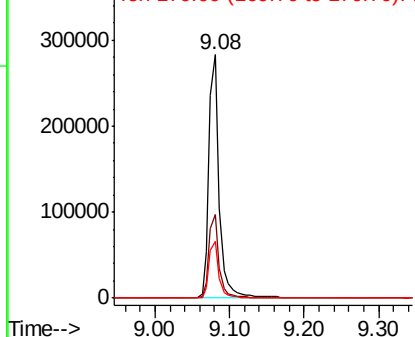


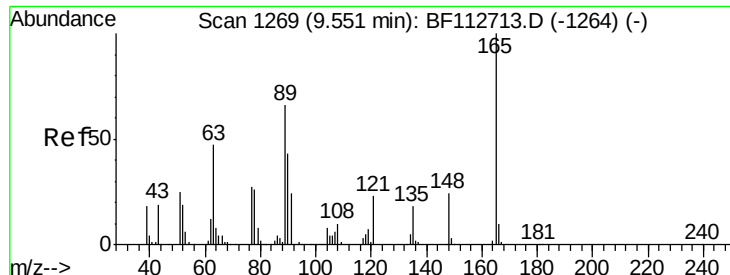
#45
 2-Fluorobiphenyl
 Concen: 15.004 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113138.D
 Acq: 19 Mar 2019 21:08

Tgt Ion:172 Resp: 273771
 Ion Ratio Lower Upper
 172 100
 171 34.4 29.0 43.4
 170 23.1 20.0 30.0



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

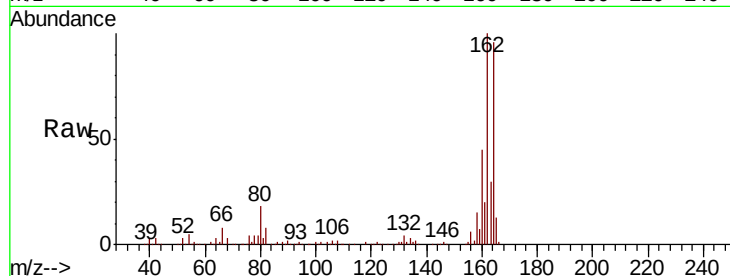




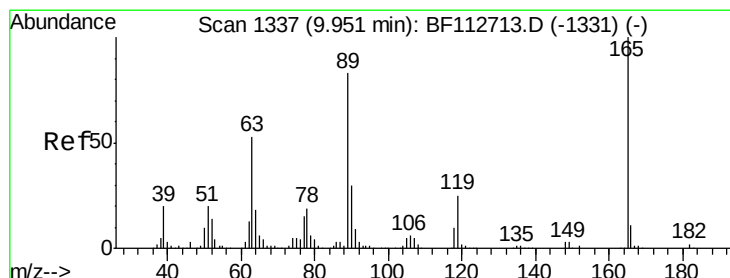
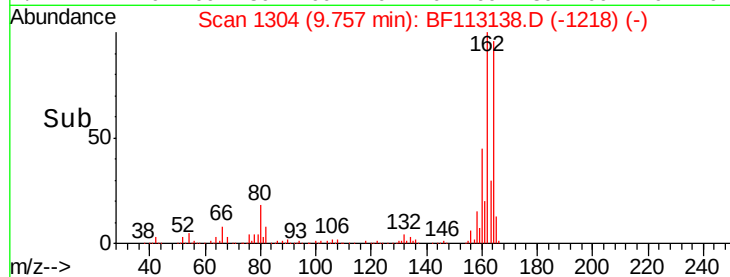
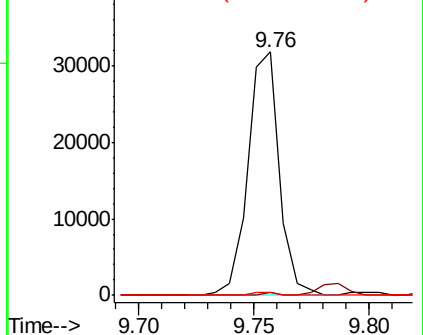
#51
 2,6-Dinitrotoluene
 Concen: 8.502 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF113138.D
 Acq: 19 Mar 2019 21:08

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-031819-B

Tgt Ion:165 Resp: 30288
 Ion Ratio Lower Upper
 165 100
 63 1.0 54.1 81.1#
 89 1.5 52.8 79.2#



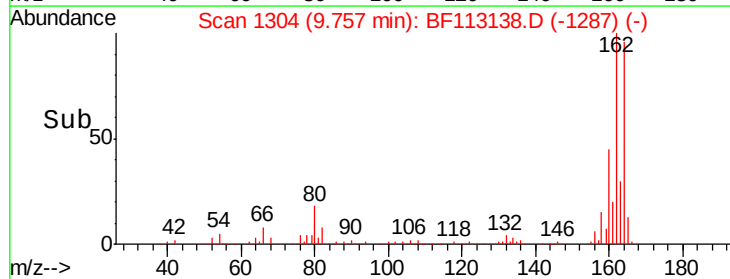
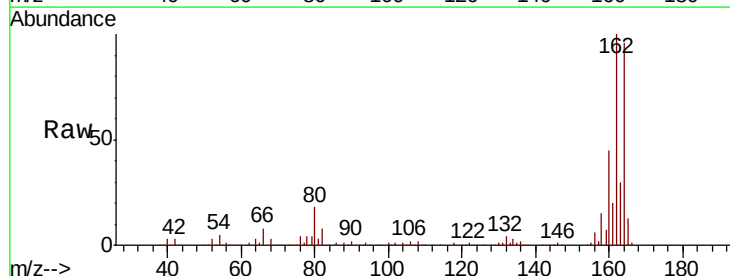
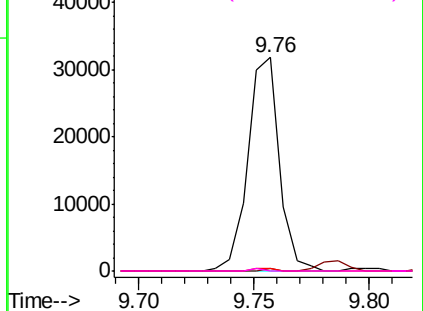
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

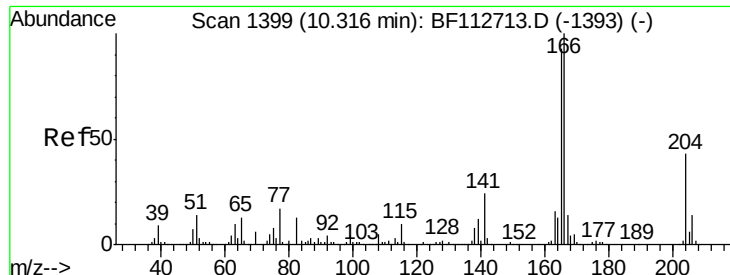


#57
 2,4-Dinitrotoluene
 Concen: 6.840 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF113138.D
 Acq: 19 Mar 2019 21:08

Tgt Ion:165 Resp: 30288
 Ion Ratio Lower Upper
 165 100
 63 1.0 42.2 63.2#
 89 1.5 66.2 99.4#
 182 0.0 1.8 2.6#

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

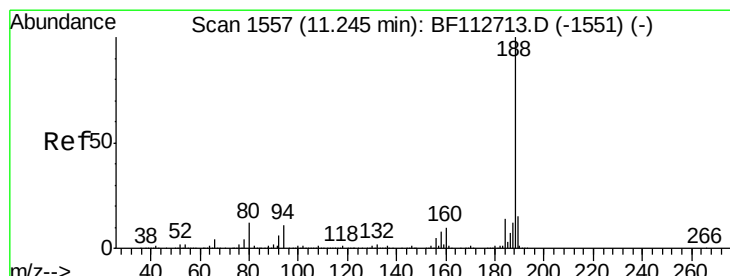
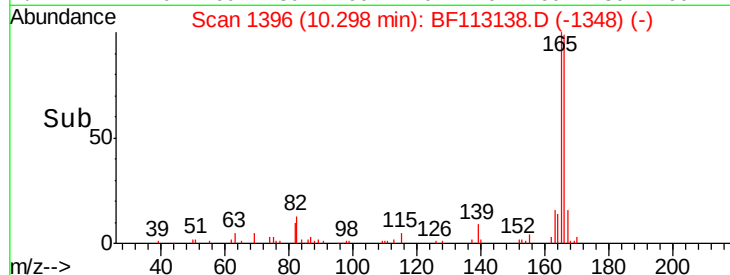
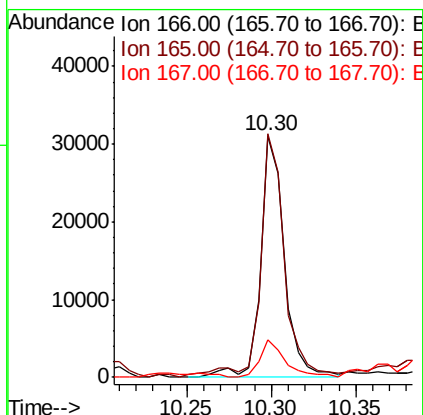
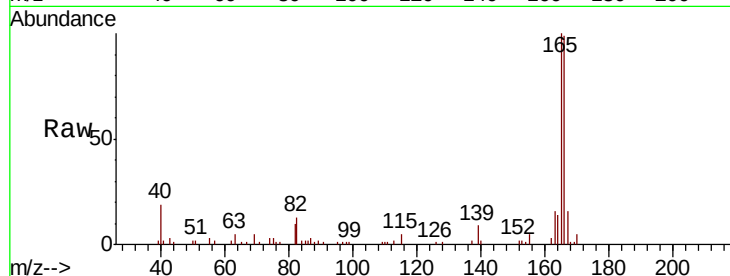




#58
 Fluorene
 Concen: 2.023 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.02 min
 Lab File: BF113138.D
 Acq: 19 Mar 2019 21:08

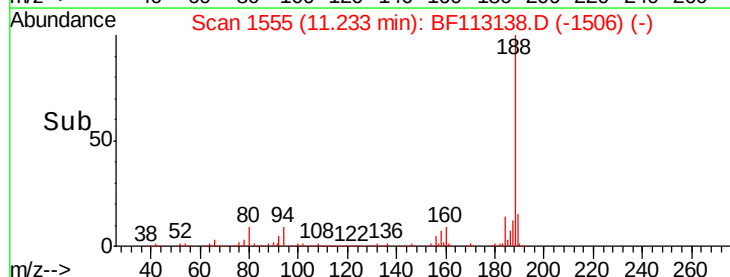
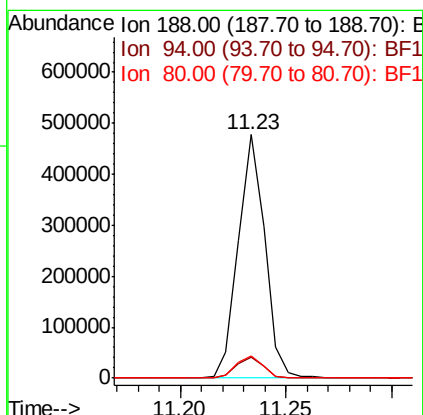
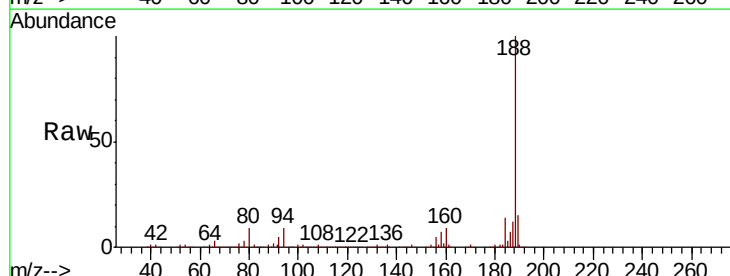
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-031819-B

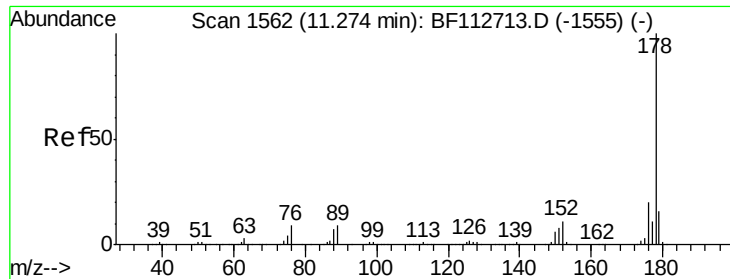
Tgt Ion:166 Resp: 30622
 Ion Ratio Lower Upper
 166 100
 165 100.8 74.7 112.1
 167 15.7 11.0 16.6



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF113138.D
 Acq: 19 Mar 2019 21:08

Tgt Ion:188 Resp: 415887
 Ion Ratio Lower Upper
 188 100
 94 8.8 9.0 13.4#
 80 9.2 9.2 13.8#

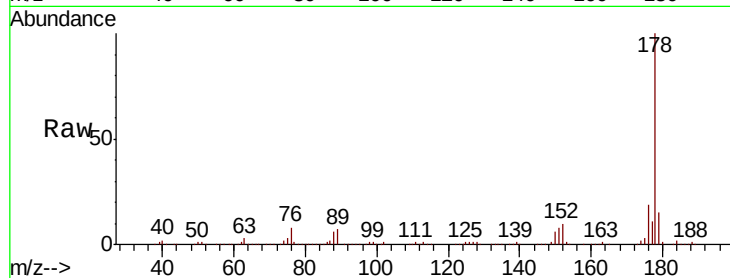




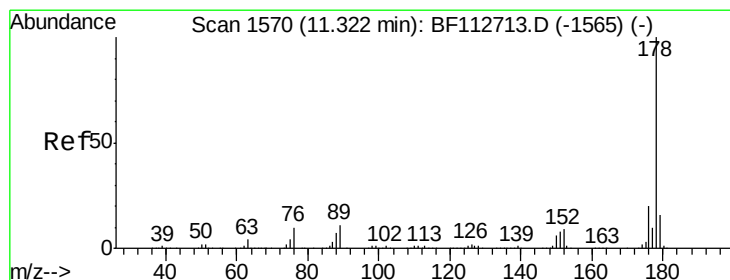
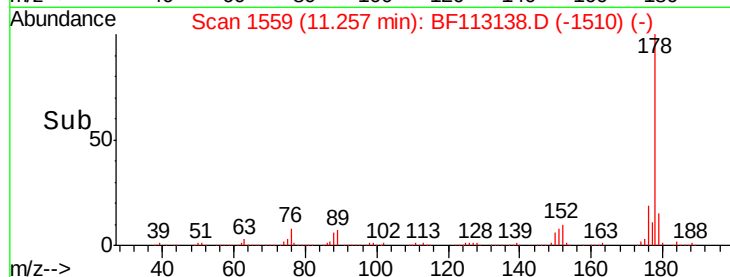
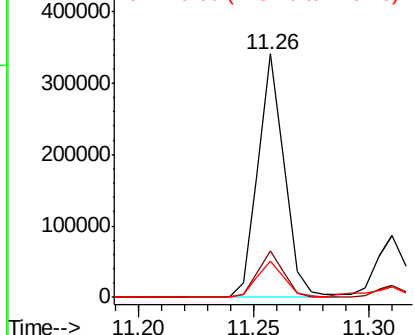
#71
Phenanthrene
Concen: 13.260 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113138.D
Acq: 19 Mar 2019 21:08

Instrument :
BNA_F
ClientSampleId :
OR-03-031819-B

Tgt Ion:178 Resp: 274370
Ion Ratio Lower Upper
178 100
176 19.0 16.3 24.5
179 14.8 12.7 19.1

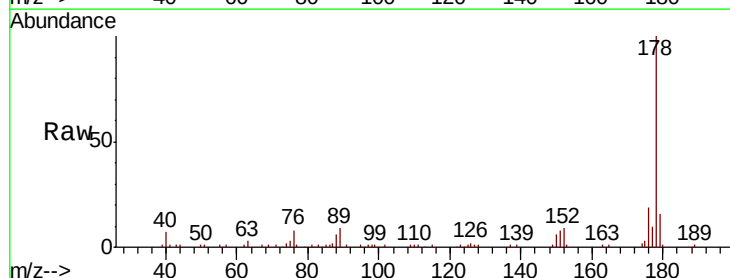


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

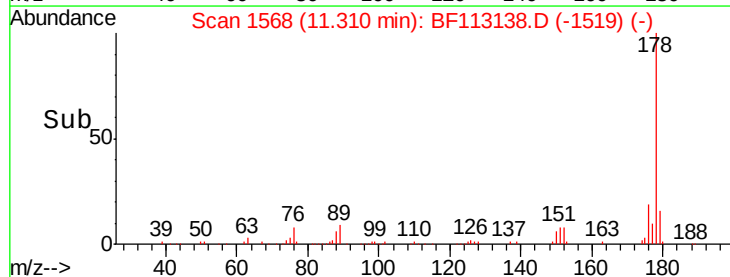
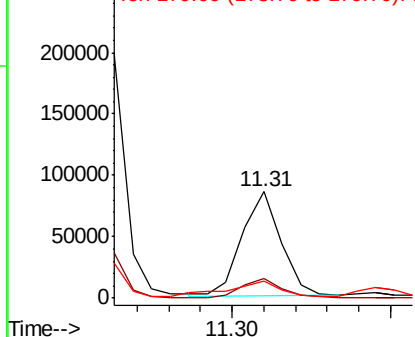


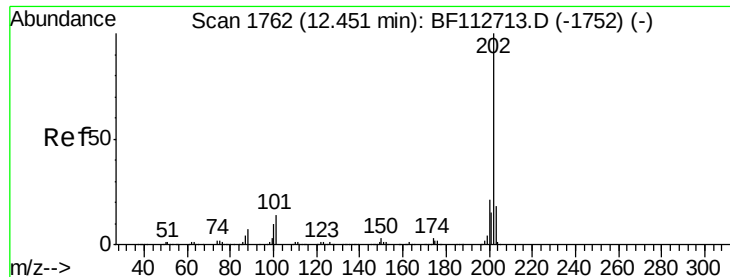
#72
Anthracene
Concen: 3.348 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF113138.D
Acq: 19 Mar 2019 21:08

Tgt Ion:178 Resp: 72521
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 16.3 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 16.858 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113138.D

Acq: 19 Mar 2019 21:08

Instrument :

BNA_F

ClientSampleId :

OR-03-031819-B

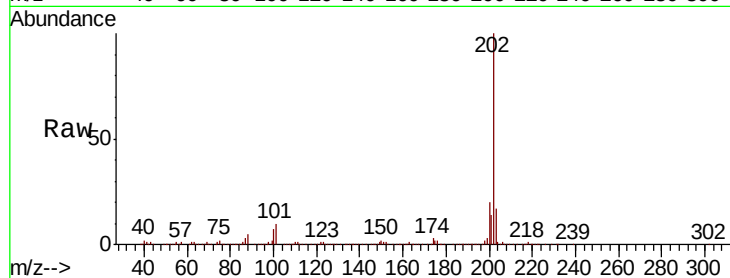
Tgt Ion:202 Resp: 373735

Ion Ratio Lower Upper

202 100

101 9.6 0.0 33.8

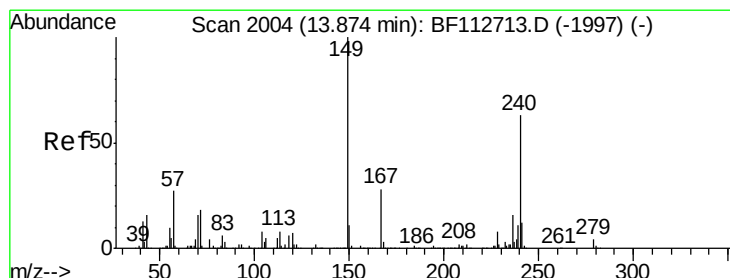
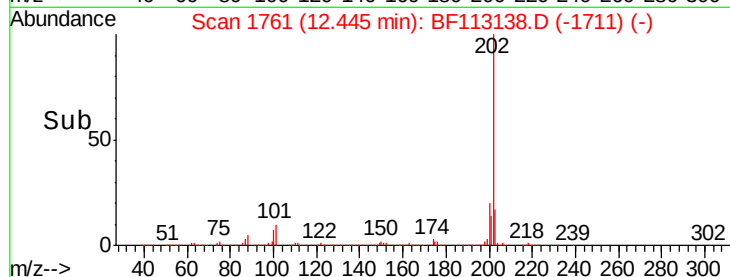
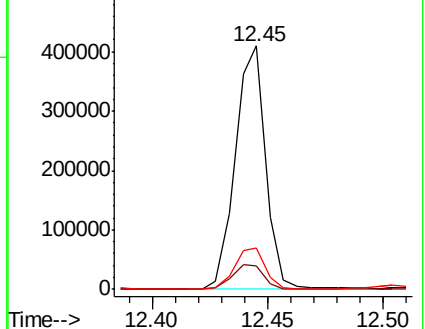
203 17.2 0.0 38.4



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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113138.D

Acq: 19 Mar 2019 21:08

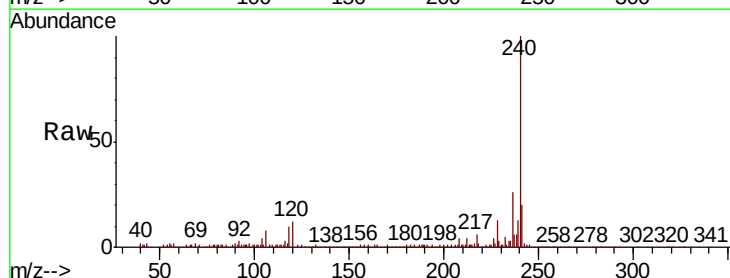
Tgt Ion:240 Resp: 295380

Ion Ratio Lower Upper

240 100

120 11.5 8.9 13.3

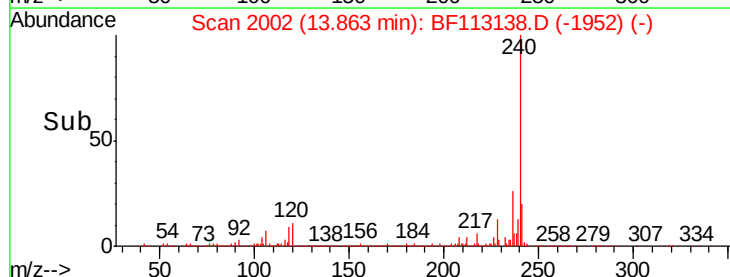
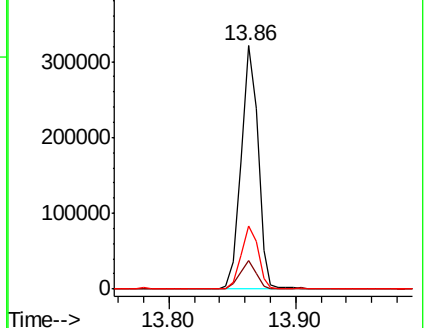
236 26.1 20.7 31.1

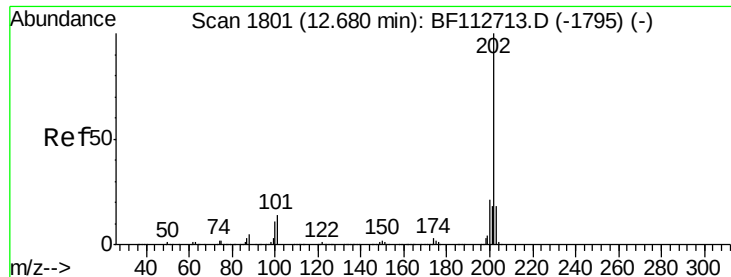


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 13.701 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113138.D

Acq: 19 Mar 2019 21:08

Instrument :

BNA_F

ClientSampleId :

OR-03-031819-B

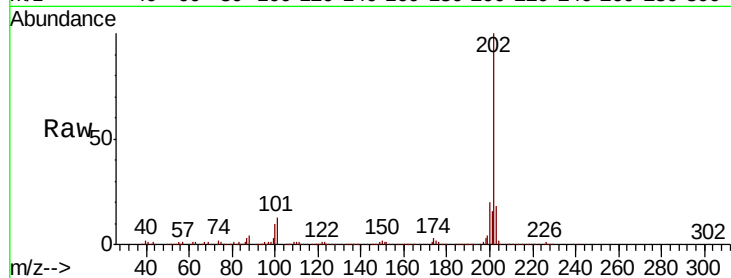
Tgt Ion:202 Resp: 341168

Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.4

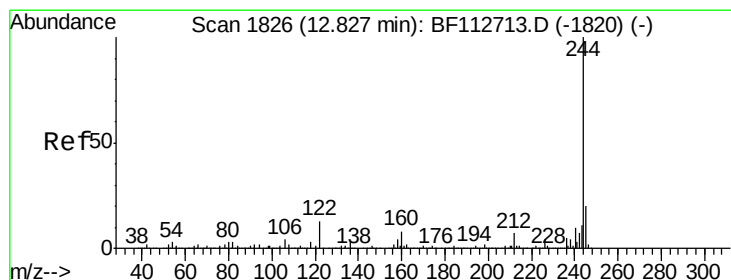
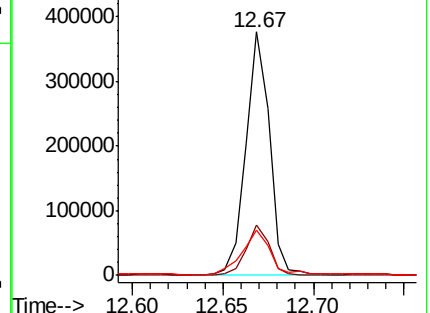
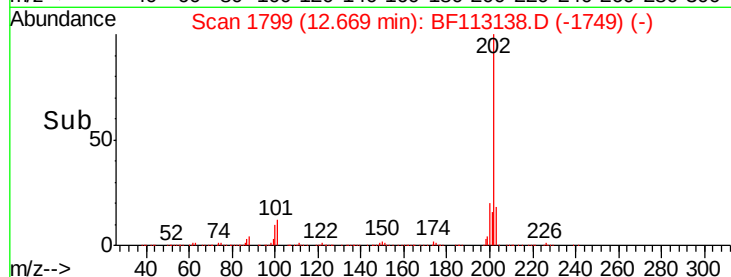
203 18.4 14.4 21.6



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: 15.420 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF113138.D

Acq: 19 Mar 2019 21:08

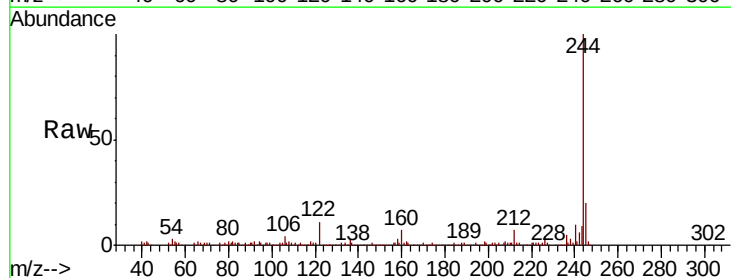
Tgt Ion:244 Resp: 234958

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

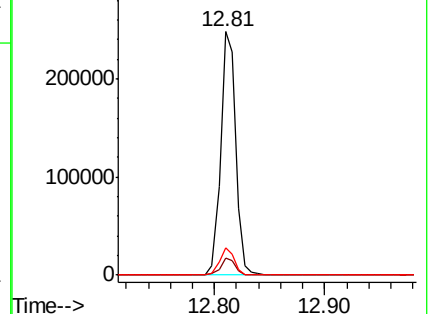
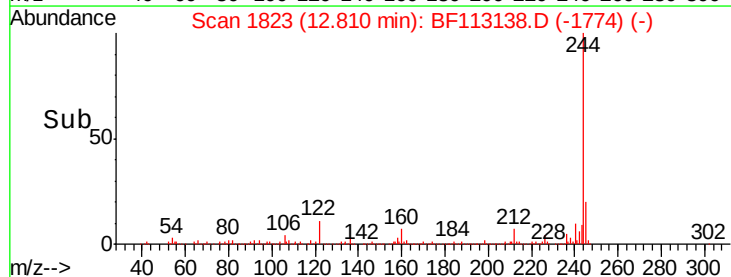
122 11.0 10.5 15.7

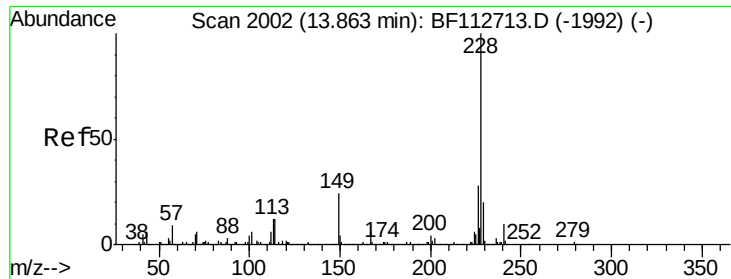


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 6.642 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF113138.D

Acq: 19 Mar 2019 21:08

Instrument :

BNA_F

ClientSampleId :

OR-03-031819-B

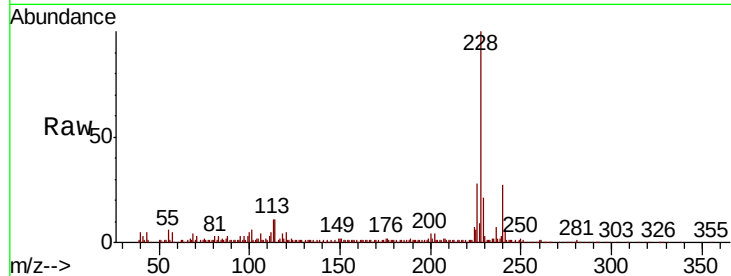
Tgt Ion:228 Resp: 135968

Ion Ratio Lower Upper

228 100

226 28.3 22.2 33.4

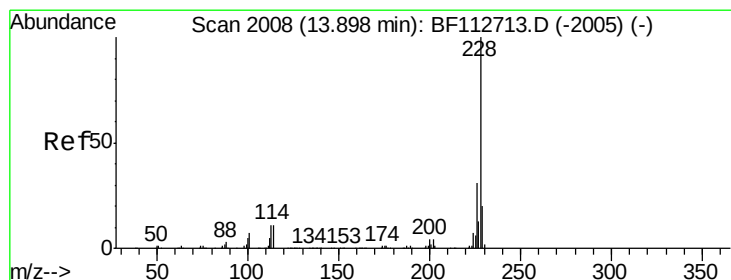
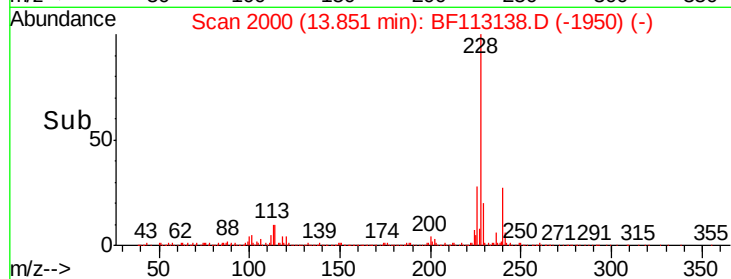
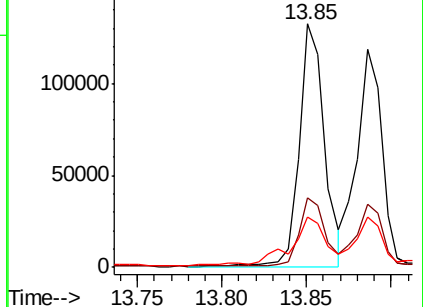
229 20.7 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 6.060 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF113138.D

Acq: 19 Mar 2019 21:08

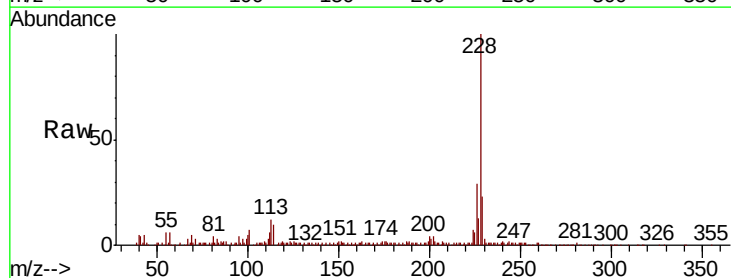
Tgt Ion:228 Resp: 121519

Ion Ratio Lower Upper

228 100

226 29.0 24.9 37.3

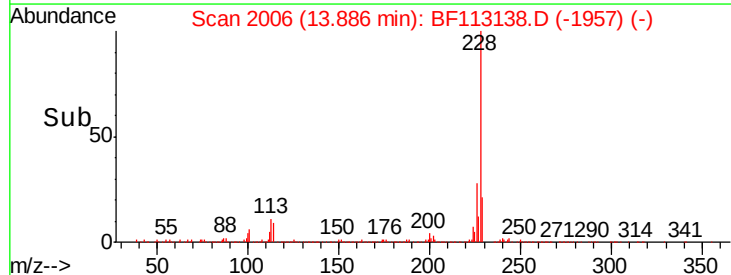
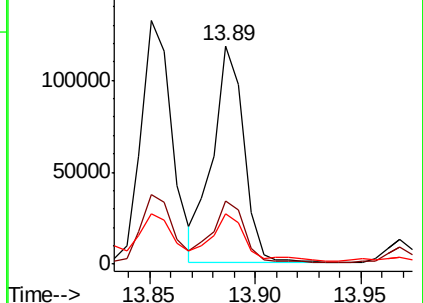
229 23.2 16.3 24.5

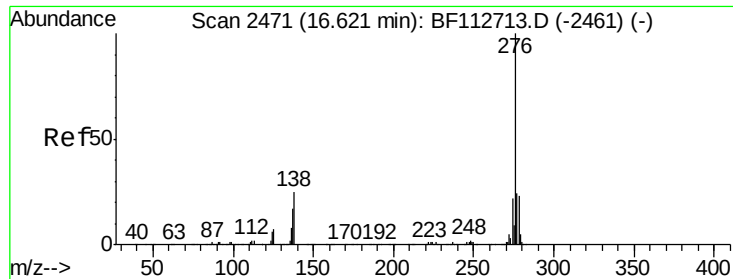


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

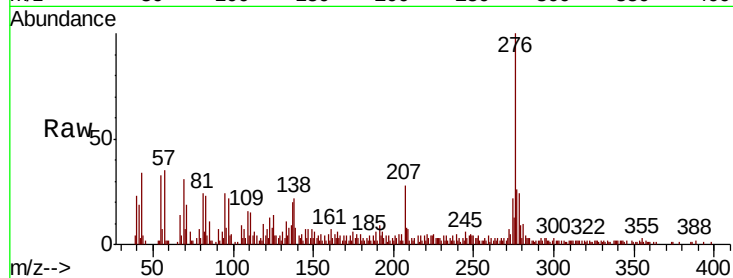




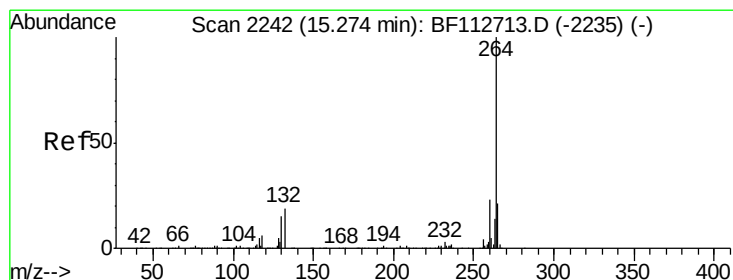
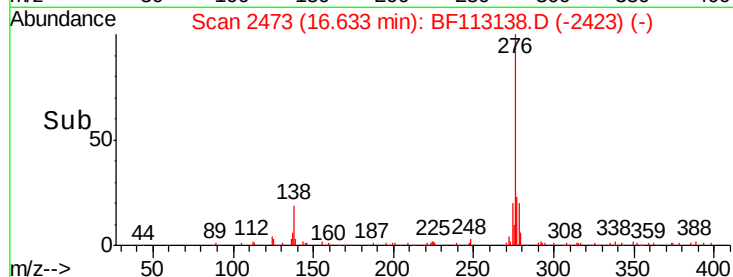
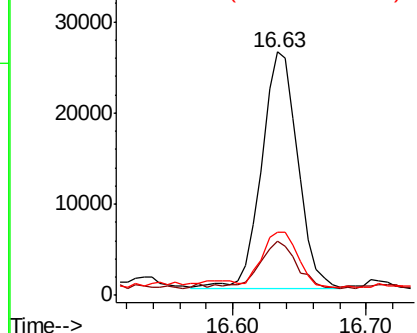
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.871 ng
 RT: 16.63 min Scan# 2473
 Delta R.T. -0.01 min
 Lab File: BF113138.D
 Acq: 19 Mar 2019 21:08

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-031819-B

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	23.2	34.8#
277	22.7	19.9	29.9

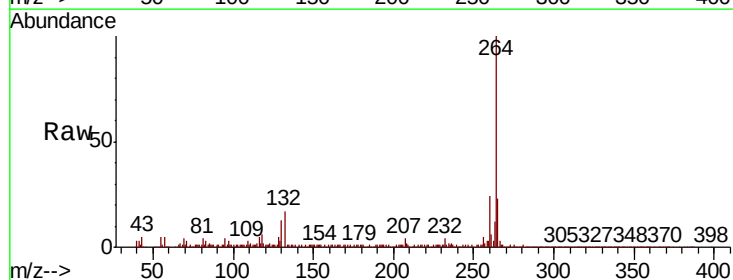


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

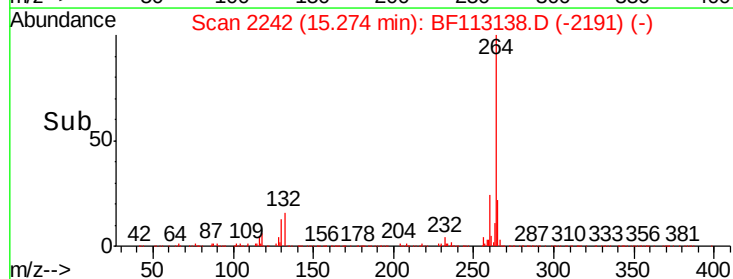
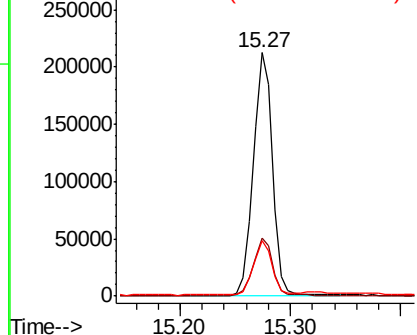


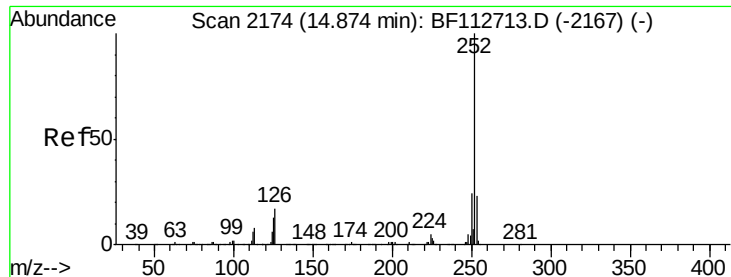
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. 0.00 min
 Lab File: BF113138.D
 Acq: 19 Mar 2019 21:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.7	17.2	25.8



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

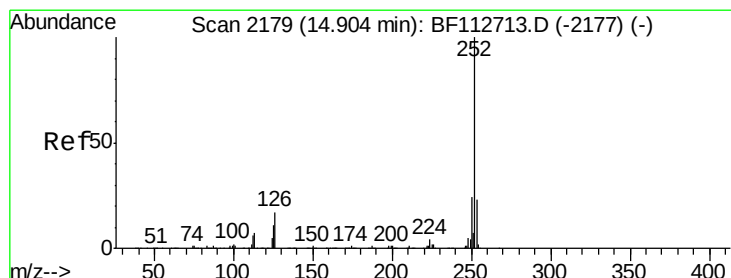
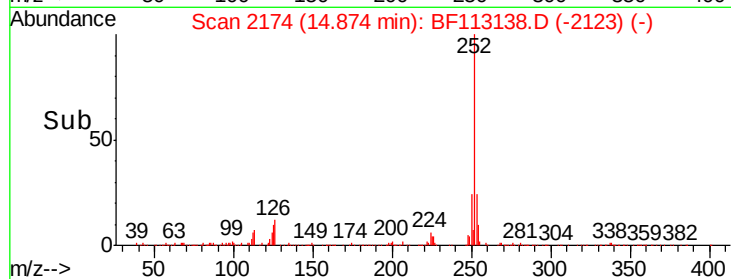
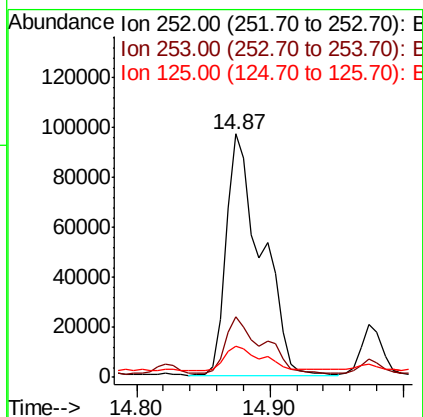
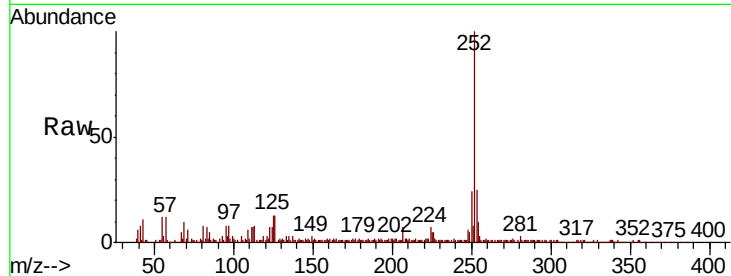




#88
Benzo(b)fluoranthene
Concen: 10.619 ng
RT: 14.87 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BF113138.D
Acq: 19 Mar 2019 21:08

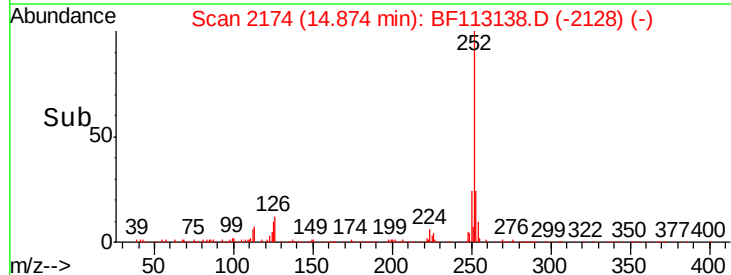
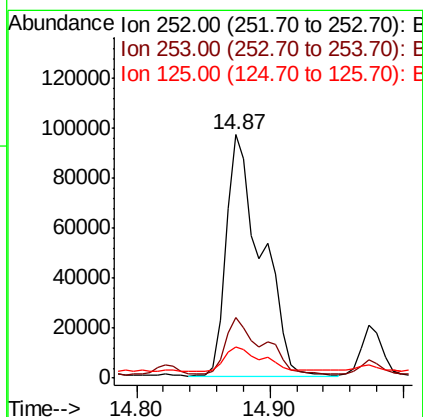
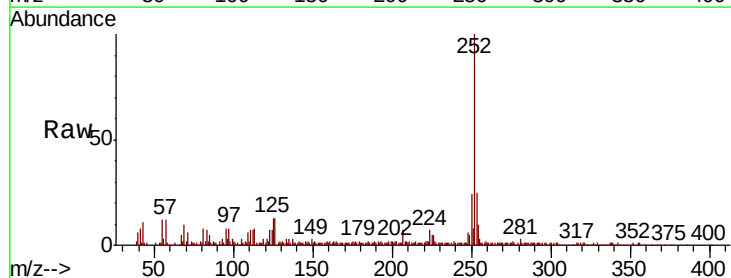
Instrument :
BNA_F
ClientSampleId :
OR-03-031819-B

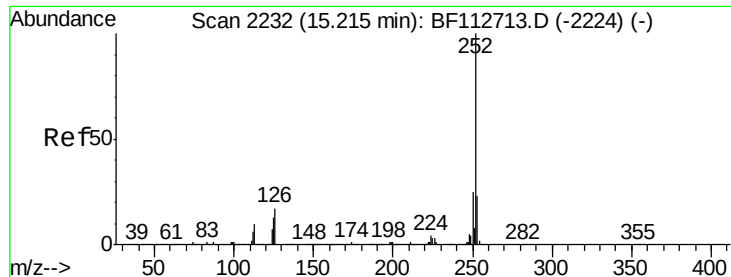
Tgt Ion:252 Resp: 177838
Ion Ratio Lower Upper
252 100
253 25.0 18.0 27.0
125 12.8 10.2 15.2



#89
Benzo(k)fluoranthene
Concen: 11.724 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF113138.D
Acq: 19 Mar 2019 21:08

Tgt Ion:252 Resp: 177838
Ion Ratio Lower Upper
252 100
253 25.0 18.2 27.2
125 12.8 9.8 14.6





#90

Benzo(a)pyrene

Concen: 6.463 ng

RT: 15.22 min Scan# 2232

Delta R.T. 0.00 min

Lab File: BF113138.D

Acq: 19 Mar 2019 21:08

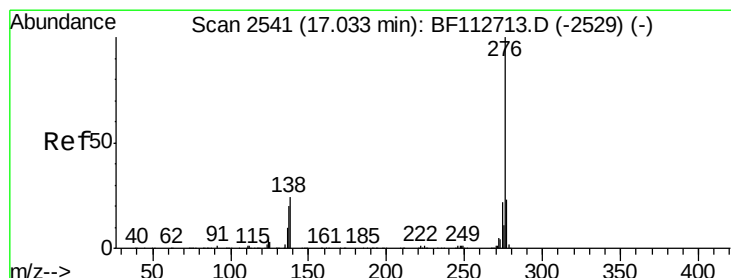
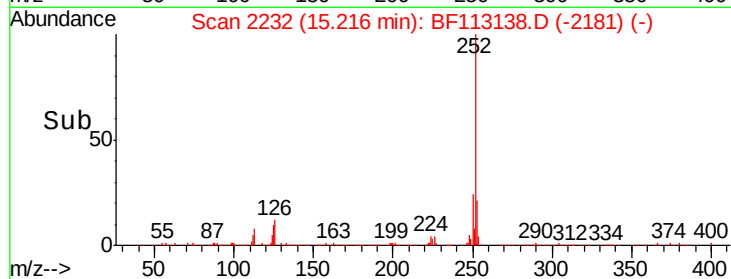
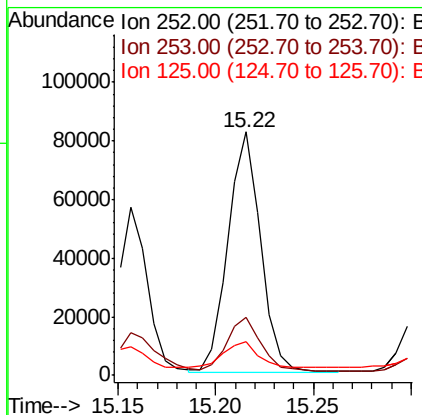
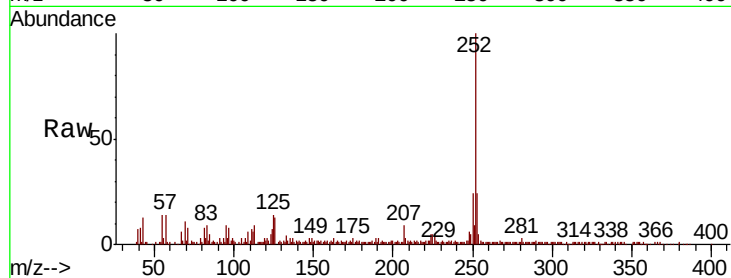
Instrument :

BNA_F

ClientSampleId :

OR-03-031819-B

Tgt Ion:	252	Resp:	95737
Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	13.6	10.7	16.1



#92

Benzo(g,h,i)perylene

Concen: 3.330 ng

RT: 17.04 min Scan# 2543

Delta R.T. 0.00 min

Lab File: BF113138.D

Acq: 19 Mar 2019 21:08

Tgt Ion:	276	Resp:	42267
Ion	Ratio	Lower	Upper
276	100		
277	28.1	18.6	27.8#
138	23.6	19.4	29.0

