

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031219\
 Data File : BF113019.D
 Acq On : 12 Mar 2019 22:55
 Operator : JU/SJ
 Sample : K1847-18
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-7B-C-5-031119

Quant Time: Mar 13 03:59:31 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	6.73	152	174823	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	643590	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	300818	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	546962	20.00	ng	0.00
76) Chrysene-d12	13.86	240	476326	20.00	ng	0.00
87) Perylene-d12	15.27	264	391296	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	930093	82.76	ng	0.00
7) Phenol-d6	6.37	99	1231119	87.20	ng	0.00
23) Nitrobenzene-d5	7.29	82	725510	67.45	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	345257	108.11	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1336579	70.34	ng	0.00
79) Terphenyl-d14	12.82	244	1235514	50.28	ng	0.00

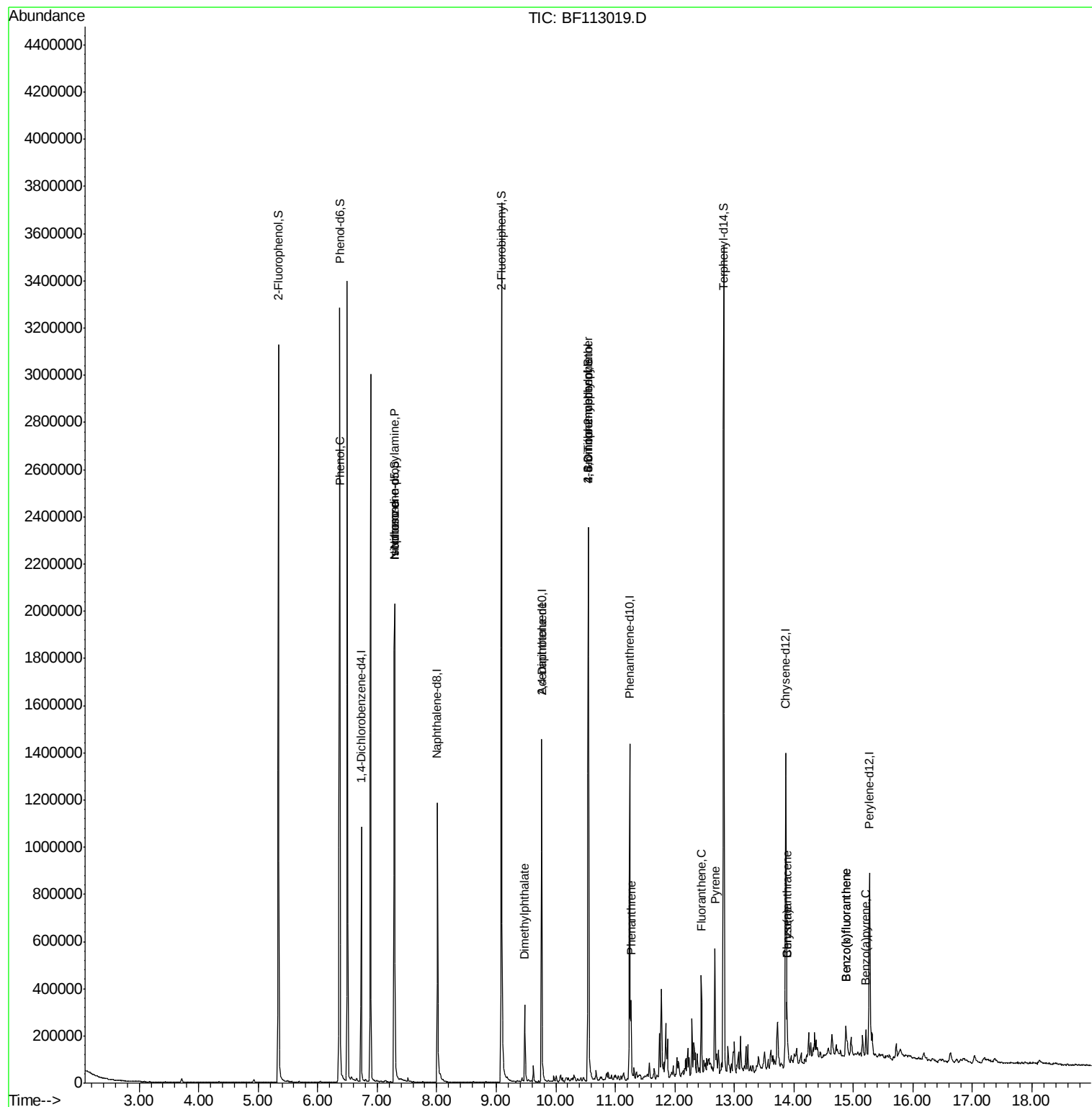
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.38	94	86553	5.254	ng	91
19) n-Nitroso-di-n-propylamine	7.29	70	95010	10.626	ng	# 74
25) Isophorone	7.29	82	725501	31.310	ng	# 66
50) Dimethylphthalate	9.48	163	146351	6.598	ng	99
57) 2,4-Dinitrotoluene	9.76	165	39146	6.818	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	389	4.769	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	19283	3.347	ng	# 1
71) Phenanthrene	11.26	178	115967	4.261	ng	97
75) Fluoranthene	12.45	202	156820	5.379	ng	97
78) Pyrene	12.67	202	233066	5.804	ng	99
81) Benzo(a)anthracene	13.89	228	102291	3.099	ng	96
83) Chrysene	13.89	228	102291	3.163	ng	96
88) Benzo(b)fluoranthene	14.87	252	89256	3.526	ng	98
89) Benzo(k)fluoranthene	14.87	252	89256	3.893	ng	98
90) Benzo(a)pyrene	15.21	252	51453	2.298	ng	99

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

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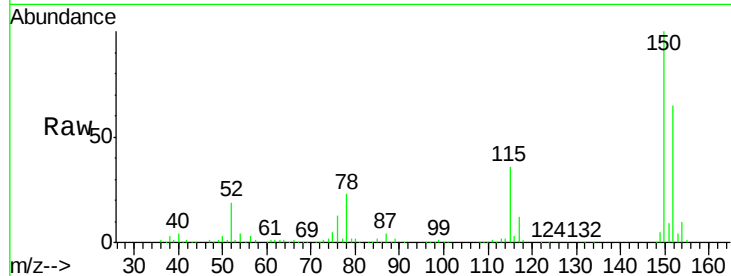


#1

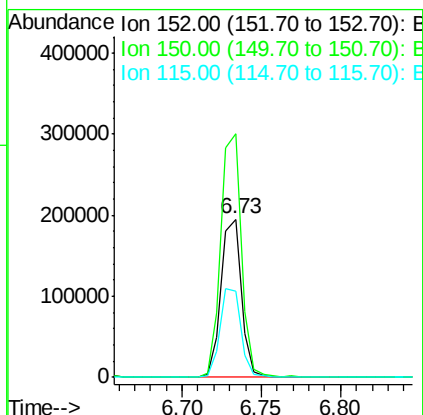
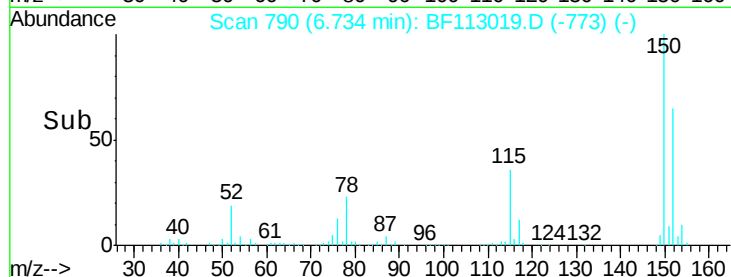
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF113019.D
Acq: 12 Mar 2019 22:55

Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-5-031119

Tgt Ion:152 Resp: 174823
Ion Ratio Lower Upper
152 100
150 154.1 124.2 186.2
115 54.9 48.2 72.4



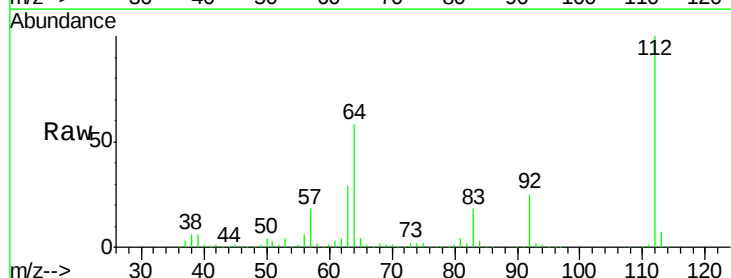
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



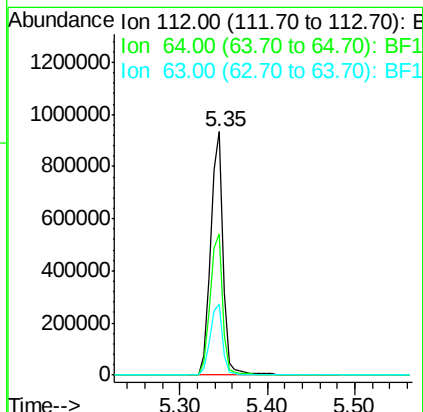
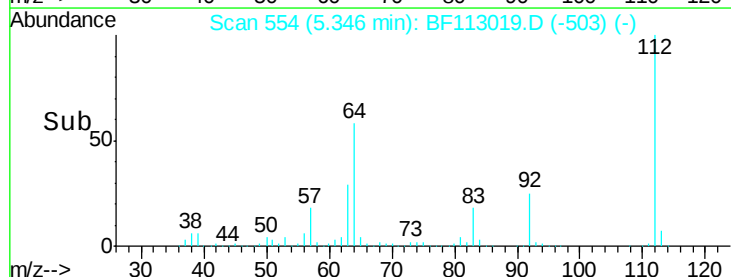
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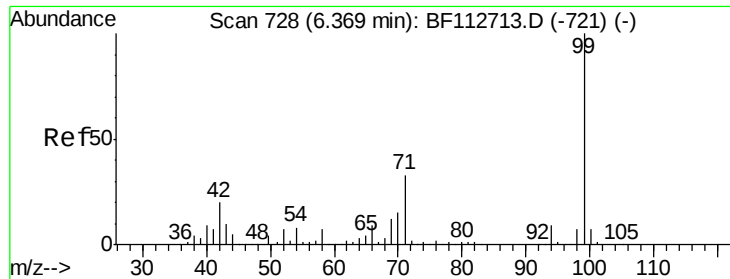
2-Fluorophenol
Concen: 82.758 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF113019.D
Acq: 12 Mar 2019 22:55

Tgt Ion:112 Resp: 930093
Ion Ratio Lower Upper
112 100
64 57.8 47.6 71.4
63 29.2 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: 87.204 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113019.D

Acq: 12 Mar 2019 22:55

Instrument :

BNA_F

ClientSampleId :

SUP-7B-C-5-031119

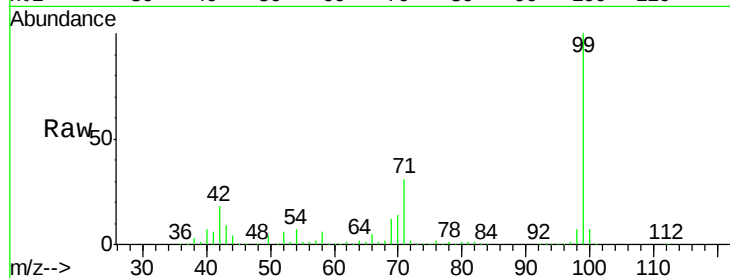
Tgt Ion: 99 Resp: 1231119

Ion Ratio Lower Upper

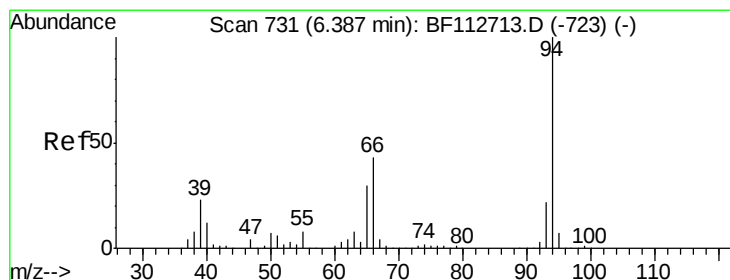
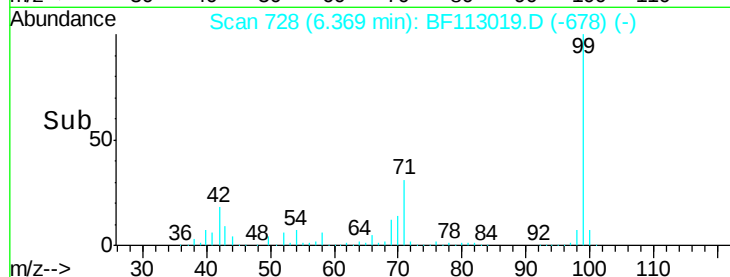
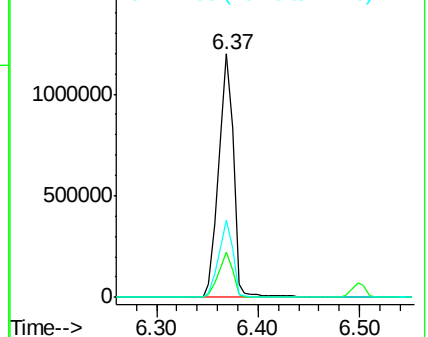
99 100

42 18.4 16.3 24.5

71 31.5 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



#10

Phenol

Concen: 5.254 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF113019.D

Acq: 12 Mar 2019 22:55

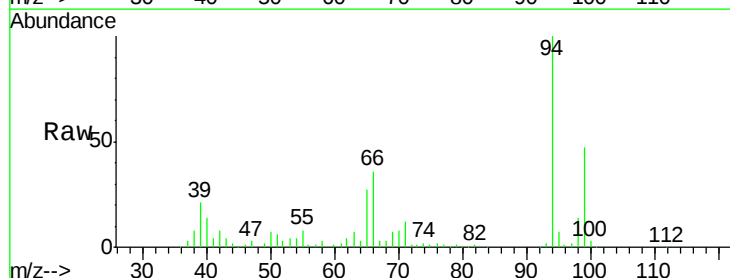
Tgt Ion: 94 Resp: 86553

Ion Ratio Lower Upper

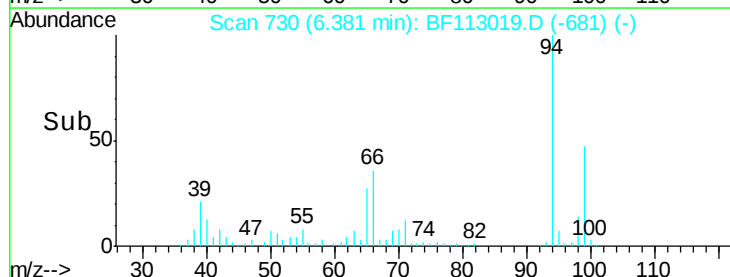
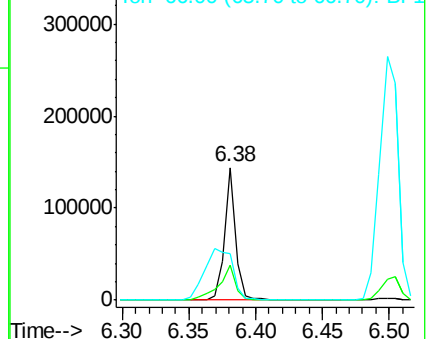
94 100

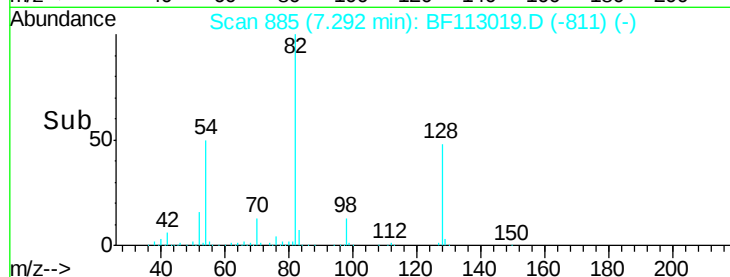
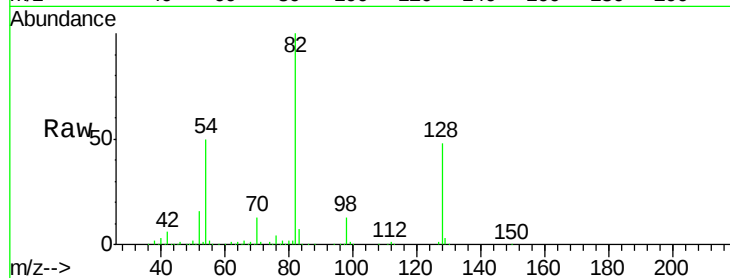
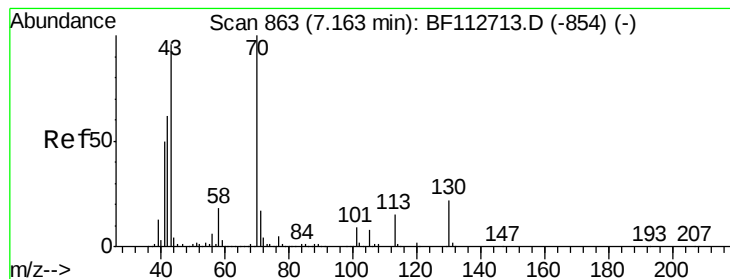
65 26.7 10.5 50.5

66 35.5 22.6 62.6



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





#19

n-Nitroso-di-n-propylamine

Concen: 10.626 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF113019.D

Acq: 12 Mar 2019 22:55

Instrument :

BNA_F

ClientSampleId :

SUP-7B-C-5-031119

Tgt Ion: 70 Resp: 95010

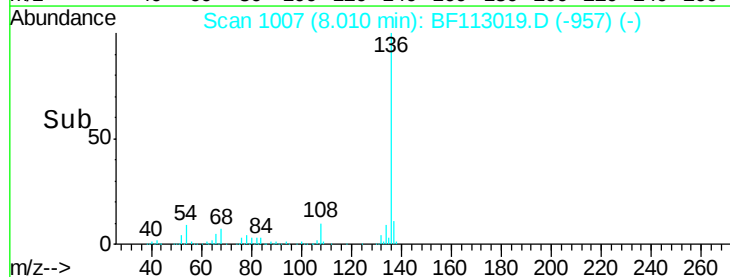
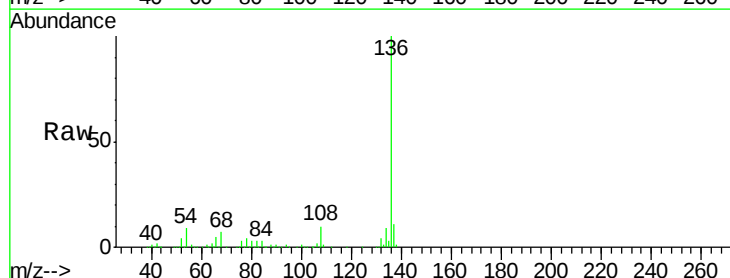
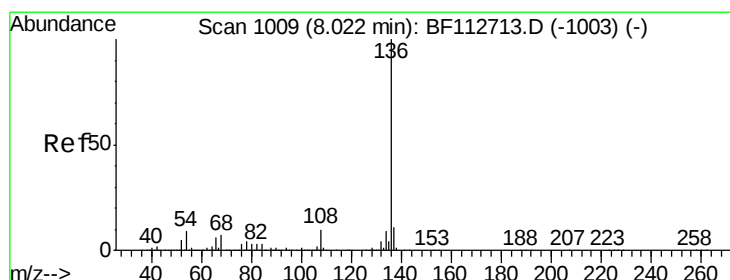
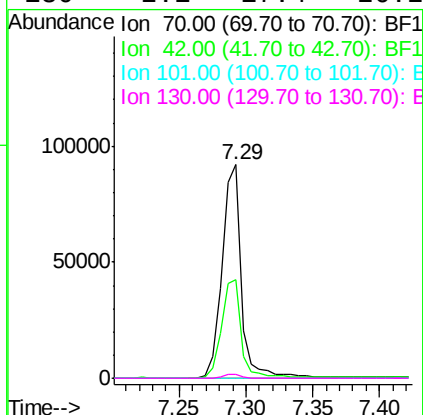
Ion Ratio Lower Upper

70 100

42 46.1 49.9 74.9#

101 0.0 7.4 11.2#

130 2.1 17.4 26.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF113019.D

Acq: 12 Mar 2019 22:55

Tgt Ion: 136 Resp: 643590

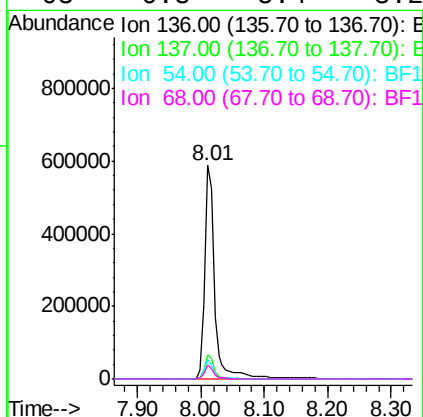
Ion Ratio Lower Upper

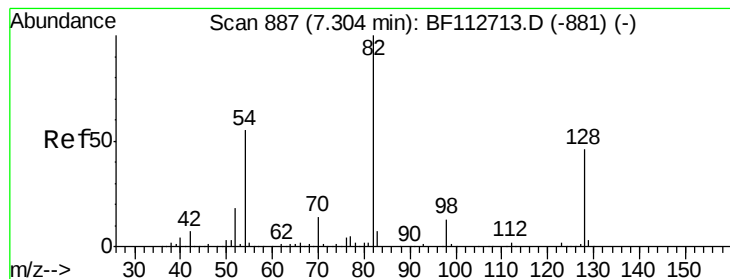
136 100

137 11.2 8.9 13.3

54 9.0 7.3 10.9

68 6.8 5.4 8.2





#23

Nitrobenzene-d5

Concen: 67.454 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF113019.D

Acq: 12 Mar 2019 22:55

Instrument :

BNA_F

ClientSampleId :

SUP-7B-C-5-031119

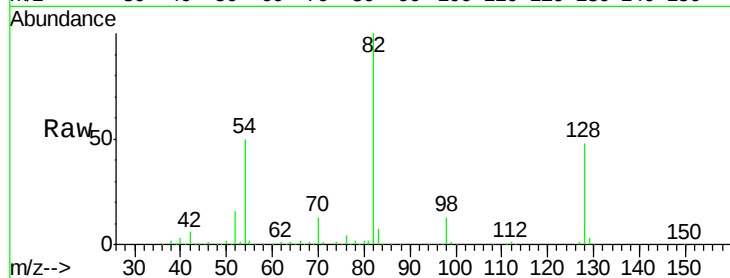
Tgt Ion: 82 Resp: 725510

Ion Ratio Lower Upper

82 100

128 48.3 36.3 54.5

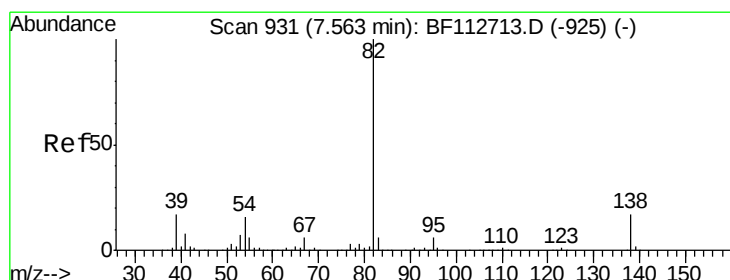
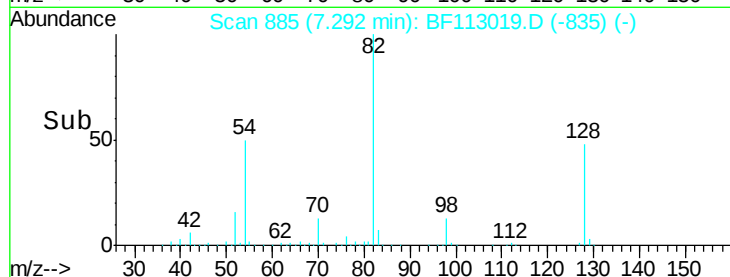
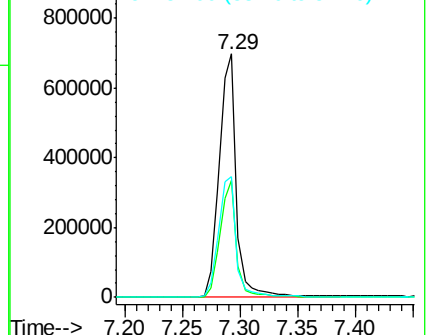
54 49.8 43.7 65.5



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



#25

Isophorone

Concen: 31.310 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF113019.D

Acq: 12 Mar 2019 22:55

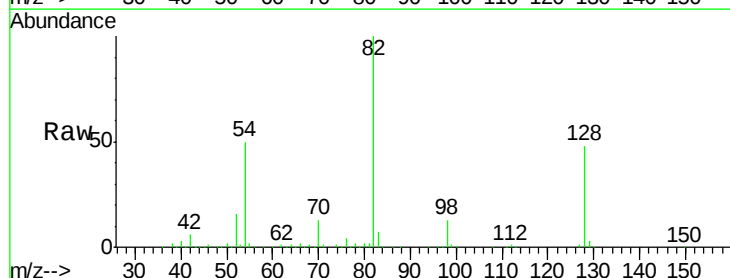
Tgt Ion: 82 Resp: 725501

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

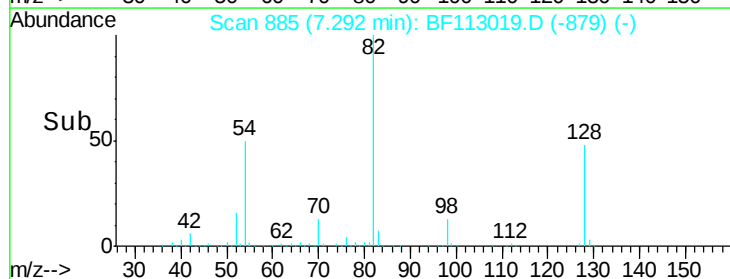
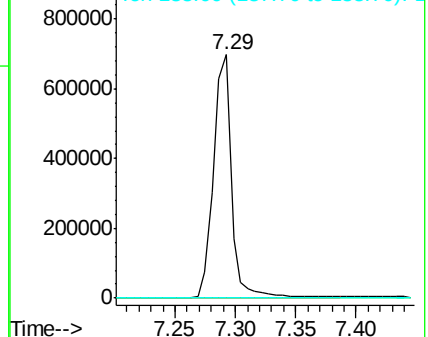
138 0.0 13.8 20.8#



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

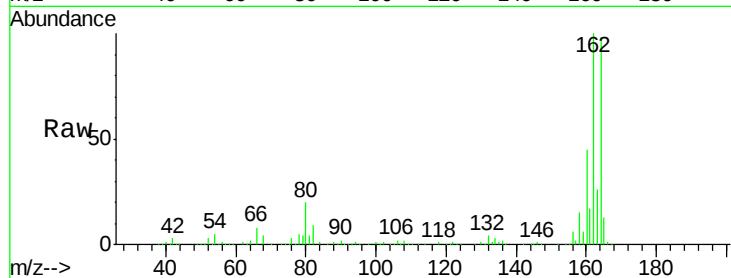




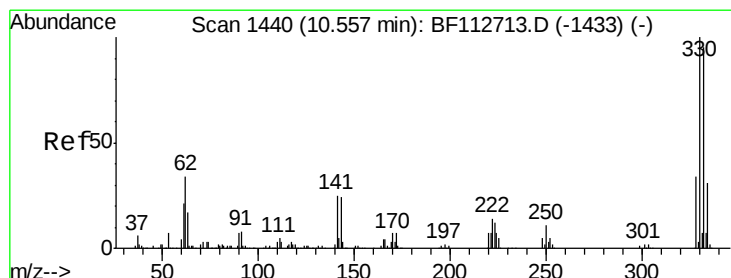
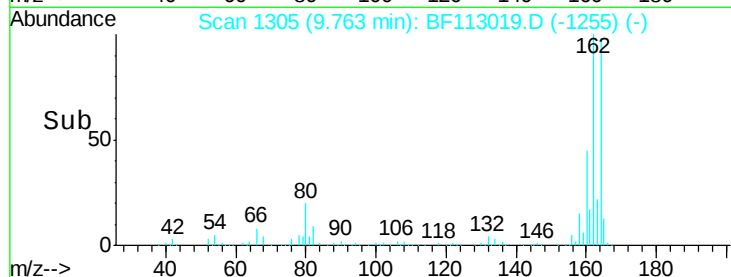
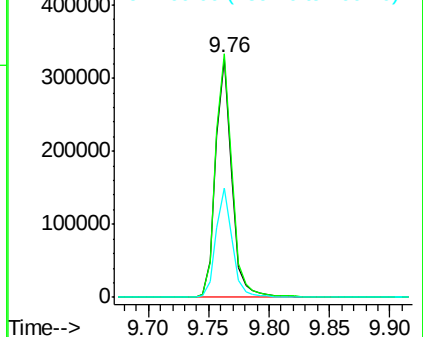
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF113019.D
Acq: 12 Mar 2019 22:55

Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-5-031119

Tgt Ion:164 Resp: 300818
Ion Ratio Lower Upper
164 100
162 102.0 80.6 120.8
160 45.8 36.0 54.0

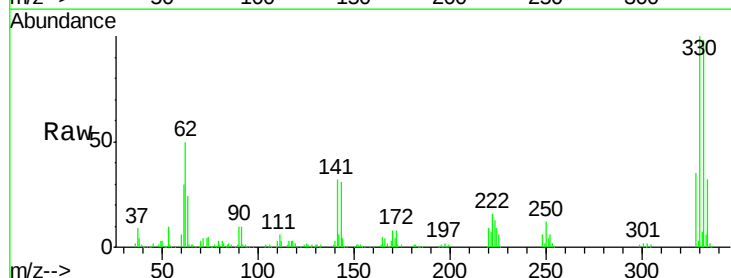


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

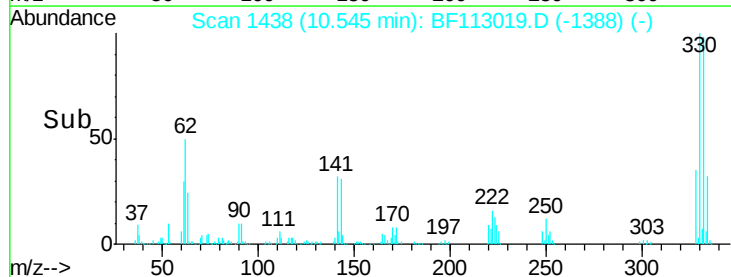
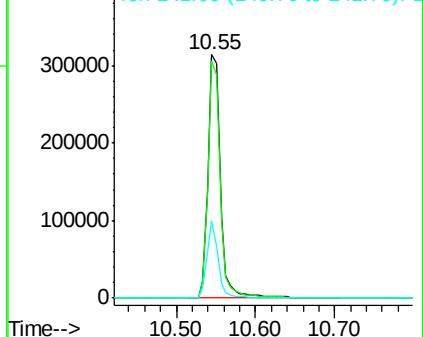


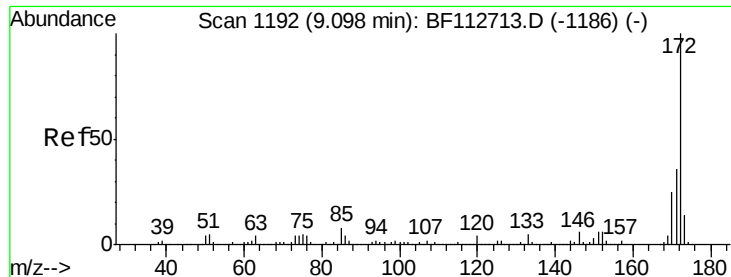
#42
2,4,6-Tribromophenol
Concen: 108.110 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF113019.D
Acq: 12 Mar 2019 22:55

Tgt Ion:330 Resp: 345257
Ion Ratio Lower Upper
330 100
332 96.0 76.2 114.4
141 29.0 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

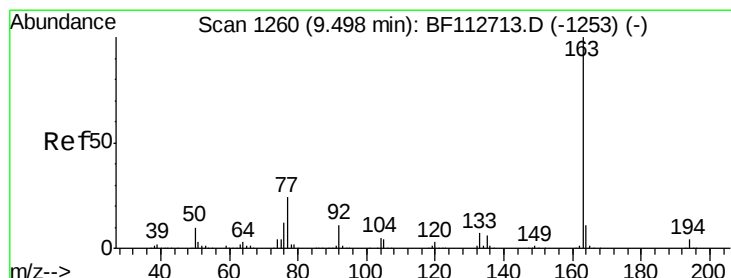
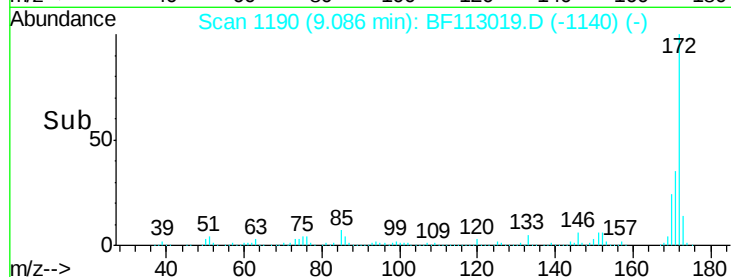
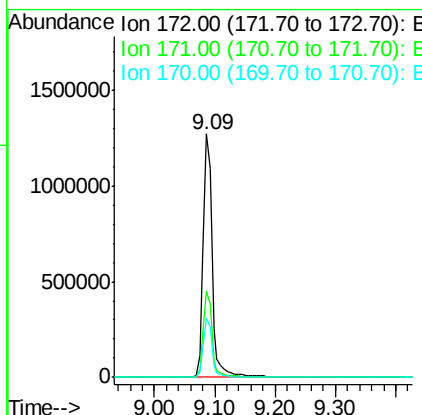
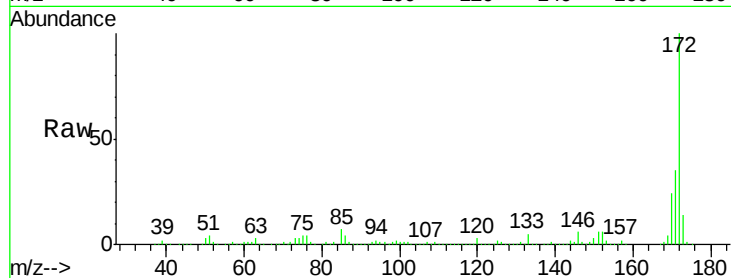




#45
2-Fluorobiphenyl
Concen: 70.343 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF113019.D
Acq: 12 Mar 2019 22:55

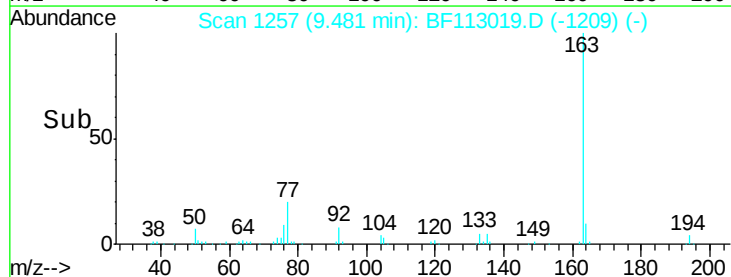
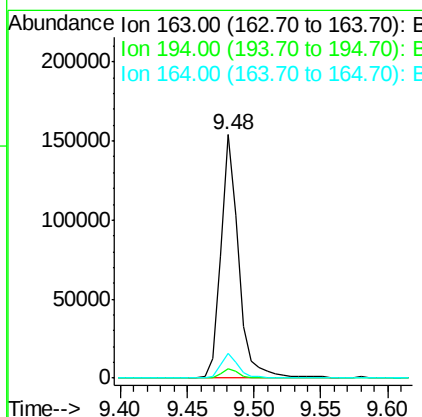
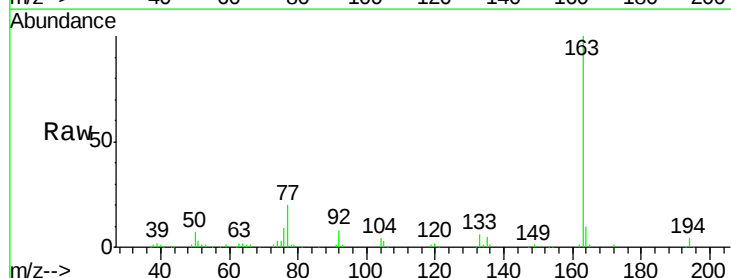
Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-5-031119

Tgt Ion:172 Resp: 1336579
Ion Ratio Lower Upper
172 100
171 35.2 29.0 43.4
170 24.1 20.0 30.0



#50
Dimethylphthalate
Concen: 6.598 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF113019.D
Acq: 12 Mar 2019 22:55

Tgt Ion:163 Resp: 146351
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.4
164 10.2 8.4 12.6

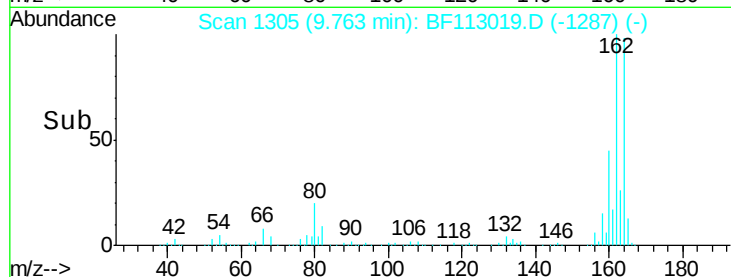
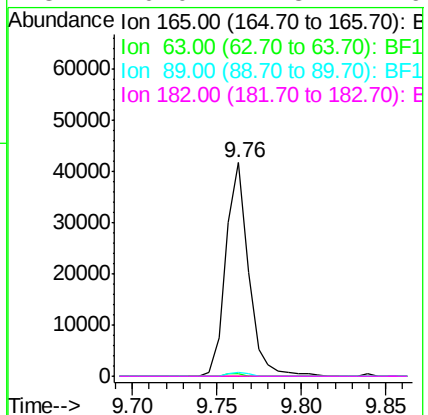
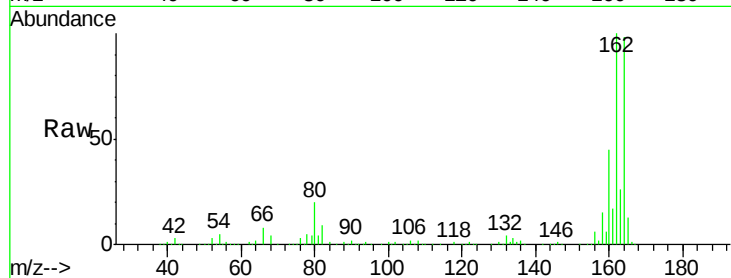




#57
2,4-Dinitrotoluene
Concen: 6.818 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.19 min
Lab File: BF113019.D
Acq: 12 Mar 2019 22:55

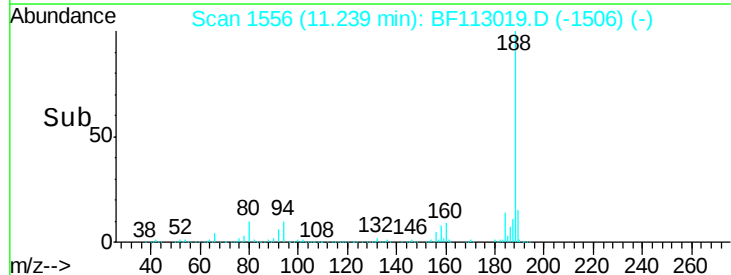
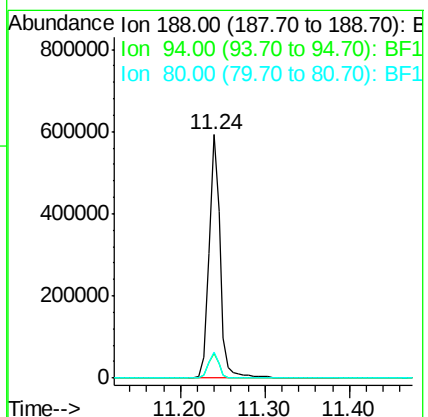
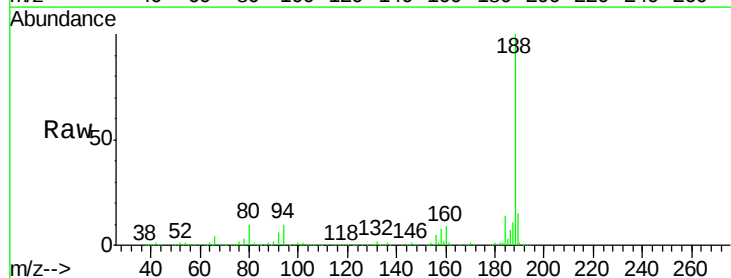
Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-5-031119

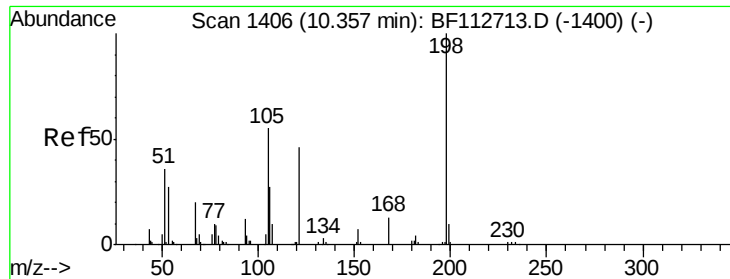
Tgt Ion:	165	Resp:	39146
Ion	Ratio	Lower	Upper
165	100		
63	1.2	42.2	63.2#
89	1.7	66.2	99.4#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF113019.D
Acq: 12 Mar 2019 22:55

Tgt Ion:	188	Resp:	546962
Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.0	13.4
80	10.5	9.2	13.8

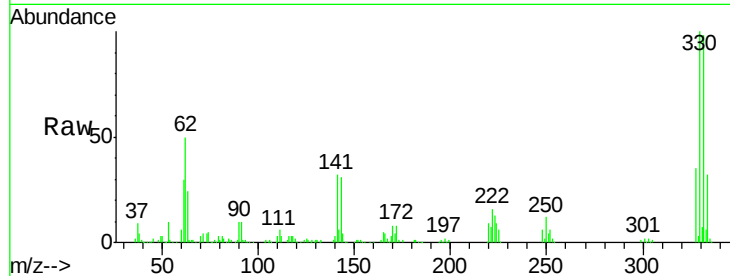




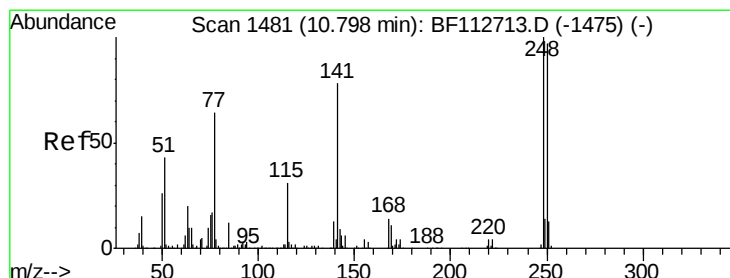
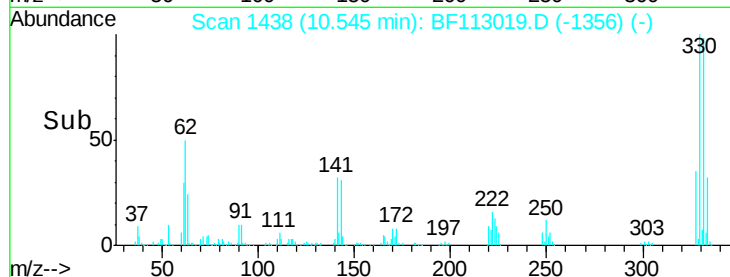
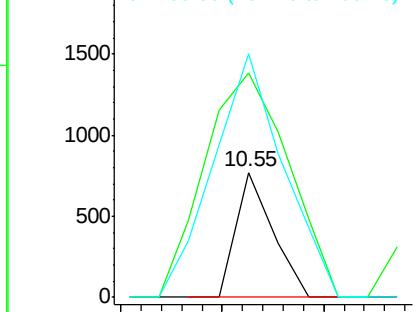
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.769 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.18 min
 Lab File: BF113019.D
 Acq: 12 Mar 2019 22:55

Instrument :
 BNA_F
 ClientSampleId :
 SUP-7B-C-5-031119

Tgt Ion:198 Resp: 389
 Ion Ratio Lower Upper
 198 100
 51 180.2 43.8 83.8#
 105 195.4 36.5 76.5#

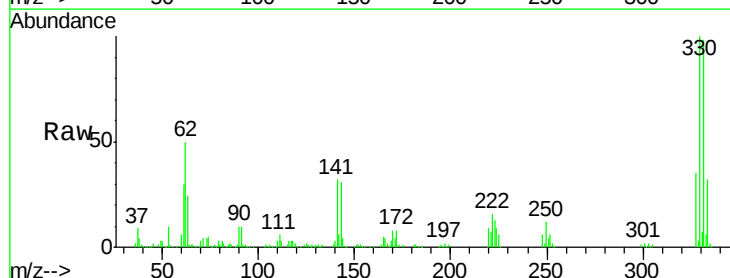


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

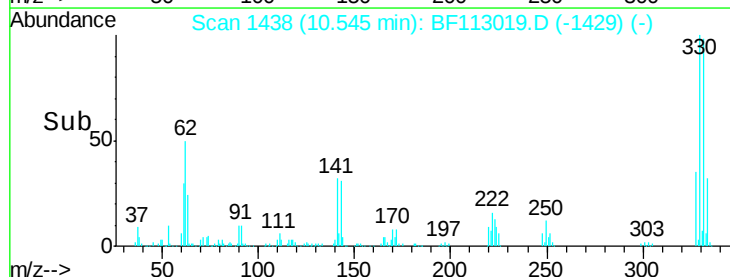
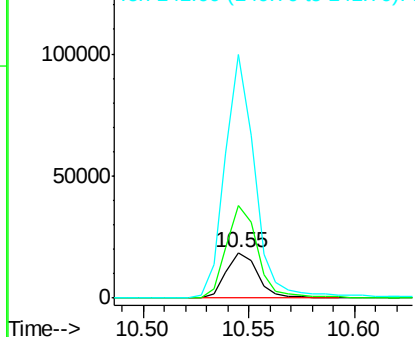


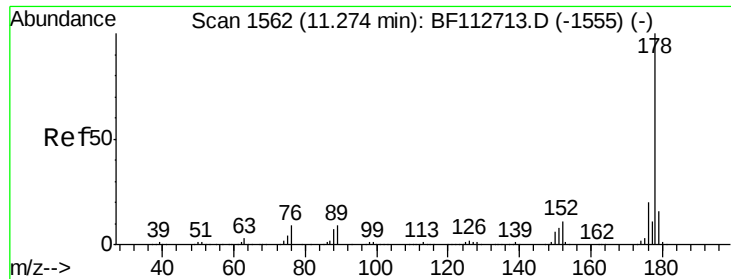
#67
 4-Bromophenyl-phenylether
 Concen: 3.347 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF113019.D
 Acq: 12 Mar 2019 22:55

Tgt Ion:248 Resp: 19283
 Ion Ratio Lower Upper
 248 100
 250 202.7 77.5 116.3#
 141 533.0 62.4 93.6#



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

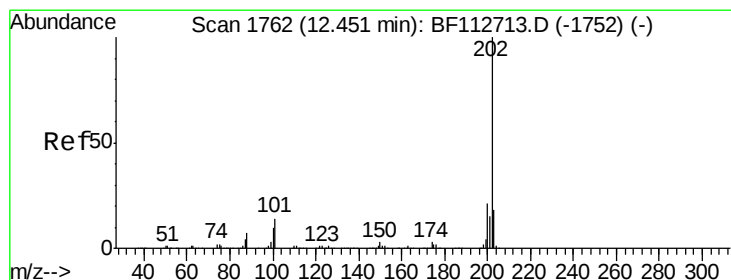
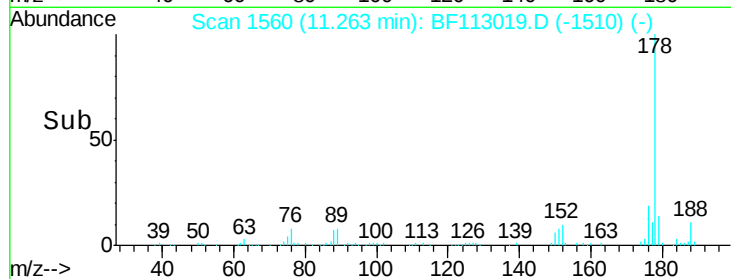
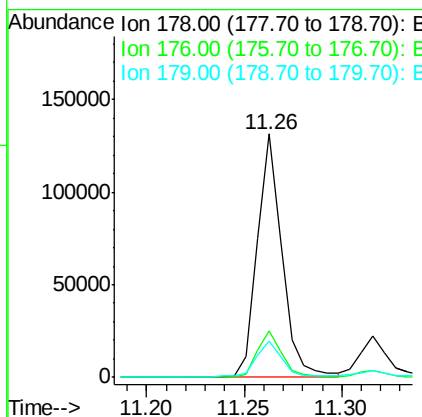
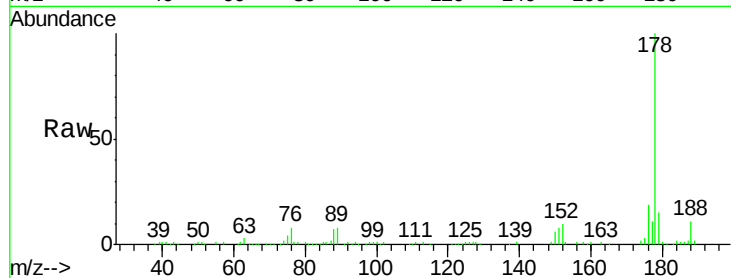




#71
Phenanthrene
Concen: 4.261 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF113019.D
Acq: 12 Mar 2019 22:55

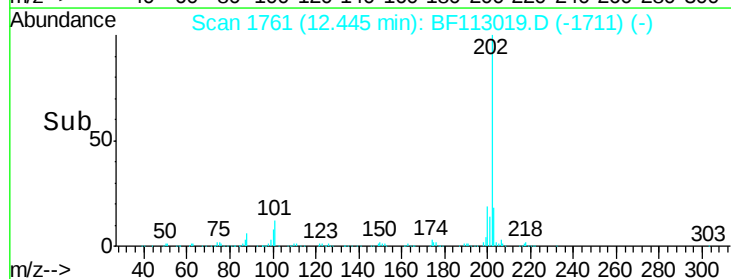
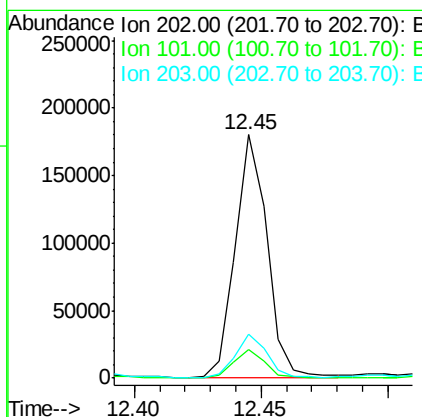
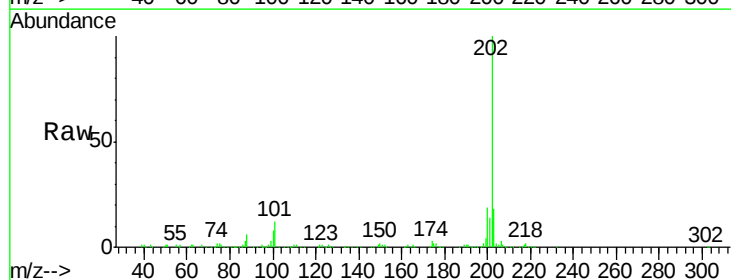
Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-5-031119

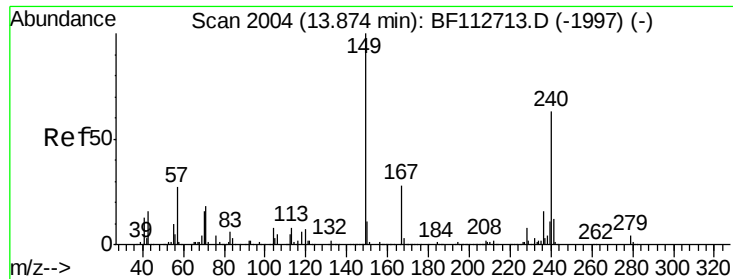
Tgt Ion:178 Resp: 115967
Ion Ratio Lower Upper
178 100
176 19.0 16.3 24.5
179 14.8 12.7 19.1



#75
Fluoranthene
Concen: 5.379 ng
RT: 12.45 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF113019.D
Acq: 12 Mar 2019 22:55

Tgt Ion:202 Resp: 156820
Ion Ratio Lower Upper
202 100
101 11.6 0.0 33.8
203 17.9 0.0 38.4

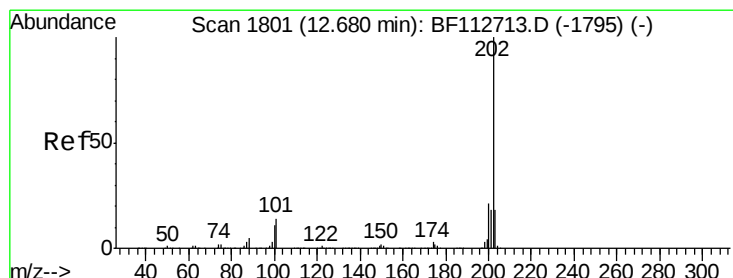
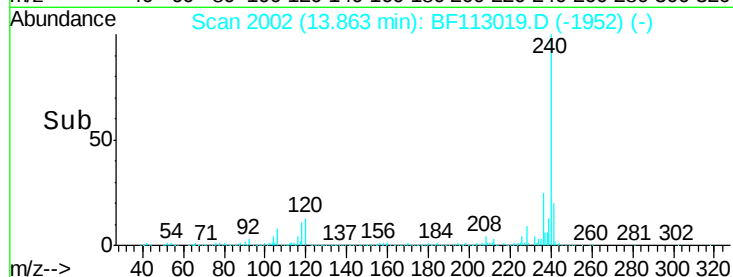
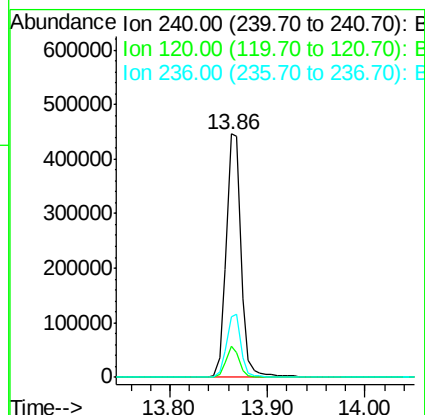
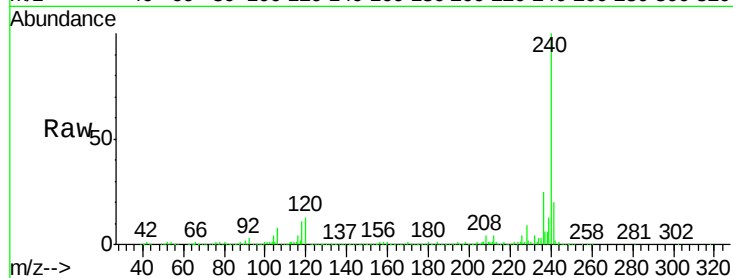




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113019.D
Acq: 12 Mar 2019 22:55

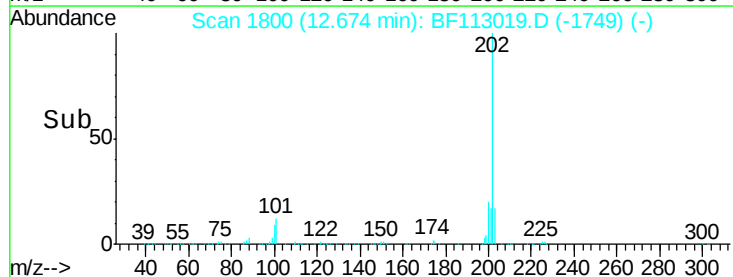
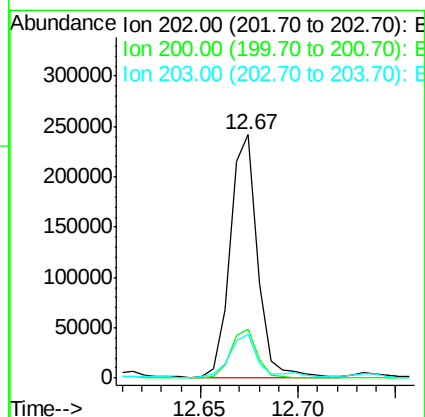
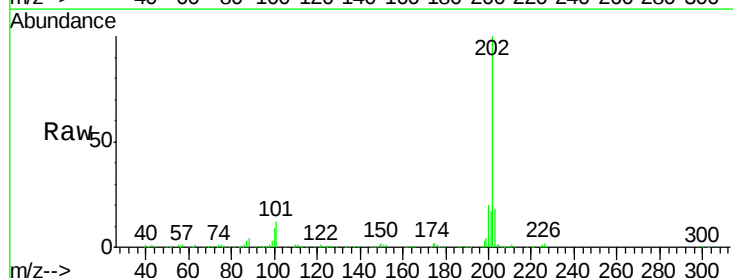
Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-5-031119

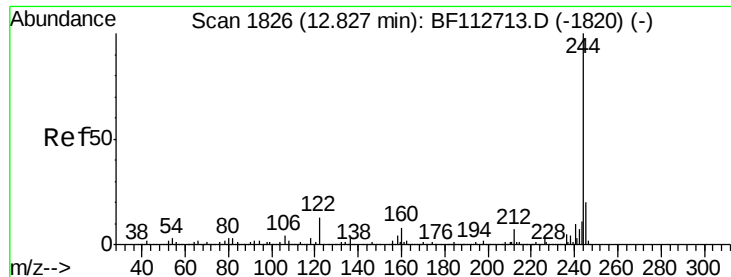
Tgt Ion:240 Resp: 476326
Ion Ratio Lower Upper
240 100
120 12.5 8.9 13.3
236 25.1 20.7 31.1



#78
Pyrene
Concen: 5.804 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BF113019.D
Acq: 12 Mar 2019 22:55

Tgt Ion:202 Resp: 233066
Ion Ratio Lower Upper
202 100
200 20.3 17.0 25.4
203 17.8 14.4 21.6





#79

Terphenyl-d14

Concen: 50.282 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF113019.D

Acq: 12 Mar 2019 22:55

Instrument :

BNA_F

ClientSampleId :

SUP-7B-C-5-031119

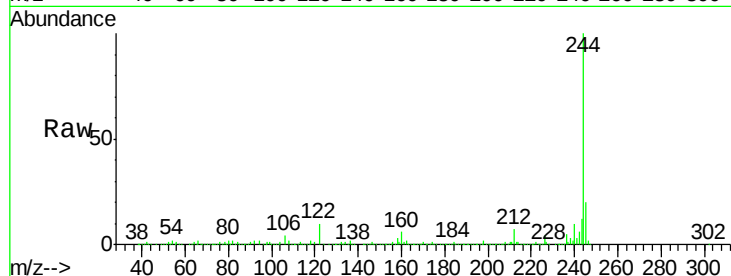
Tgt Ion:244 Resp: 123514

Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

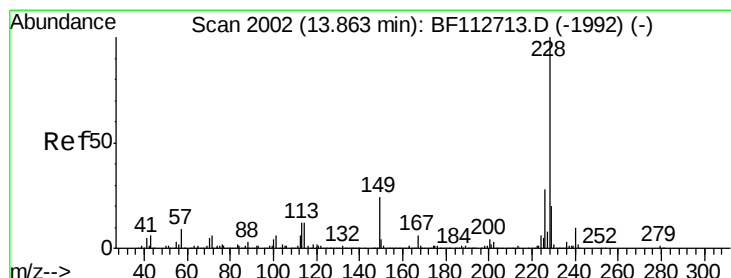
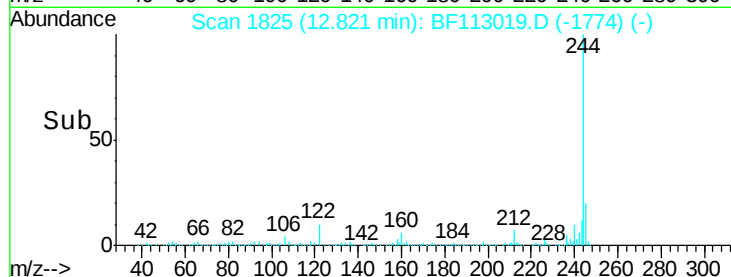
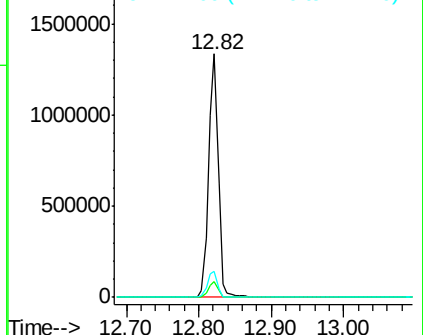
122 10.5 10.5 15.7#



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: 3.099 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.03 min

Lab File: BF113019.D

Acq: 12 Mar 2019 22:55

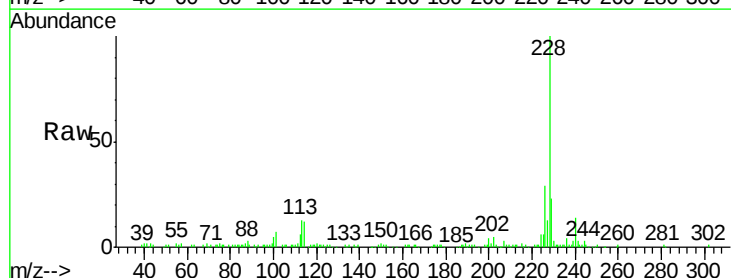
Tgt Ion:228 Resp: 102291

Ion Ratio Lower Upper

228 100

226 29.2 22.2 33.4

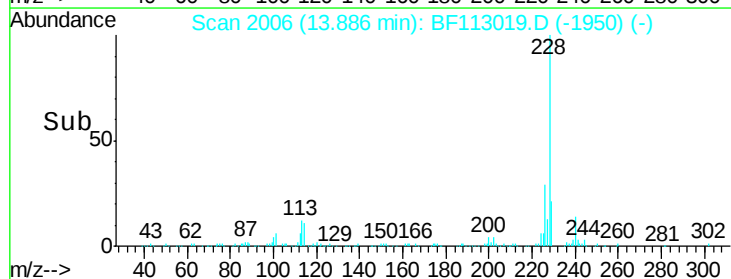
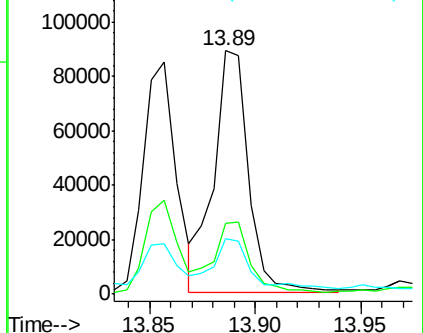
229 22.7 16.0 24.0

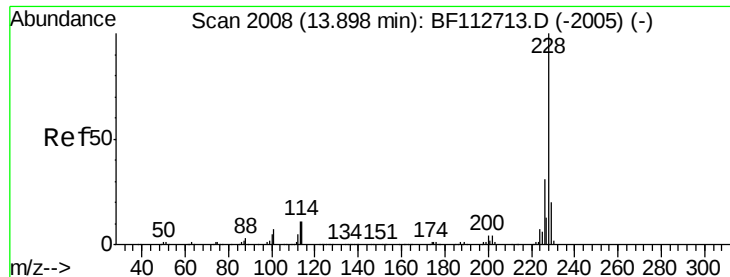


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.163 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF113019.D

Acq: 12 Mar 2019 22:55

Instrument :

BNA_F

ClientSampleId :

SUP-7B-C-5-031119

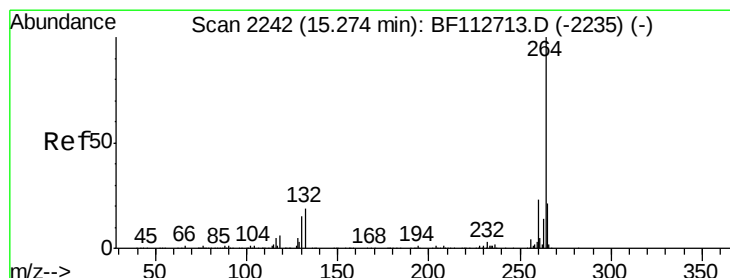
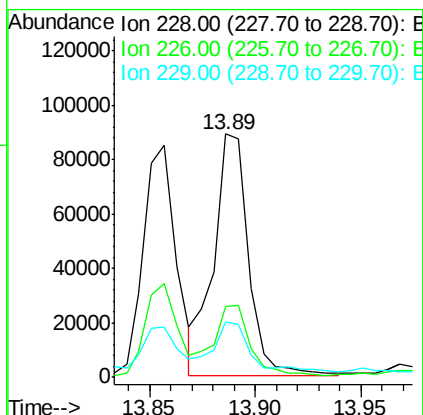
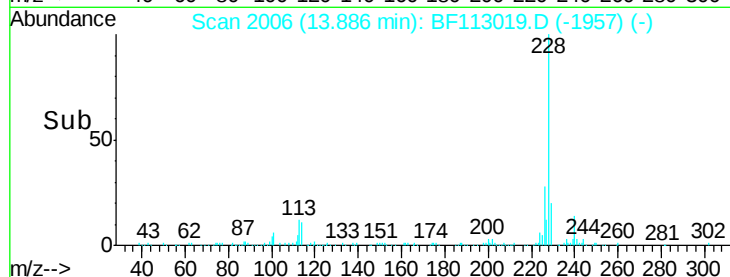
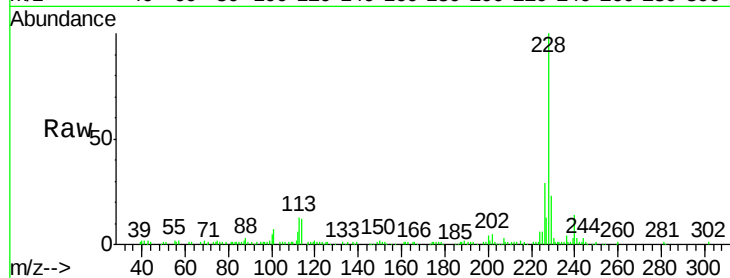
Tgt Ion:228 Resp: 102291

Ion Ratio Lower Upper

228 100

226 29.2 24.9 37.3

229 22.7 16.3 24.5



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BF113019.D

Acq: 12 Mar 2019 22:55

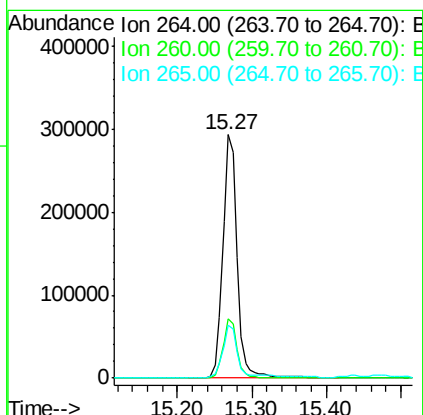
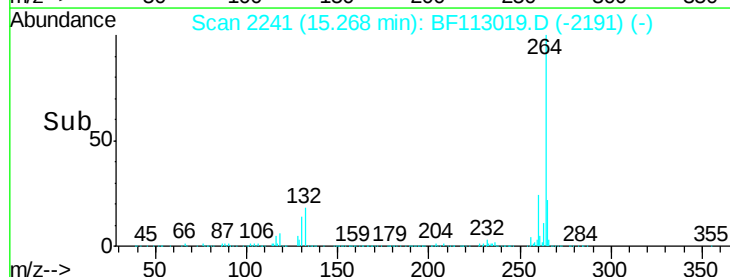
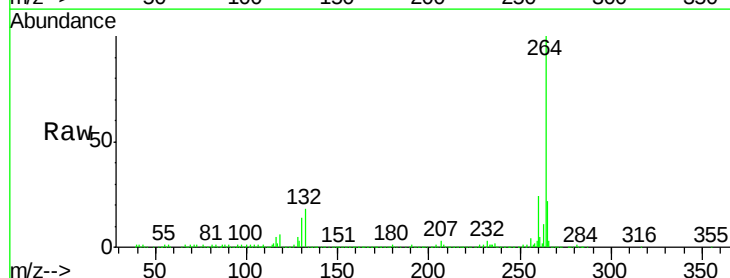
Tgt Ion:264 Resp: 391296

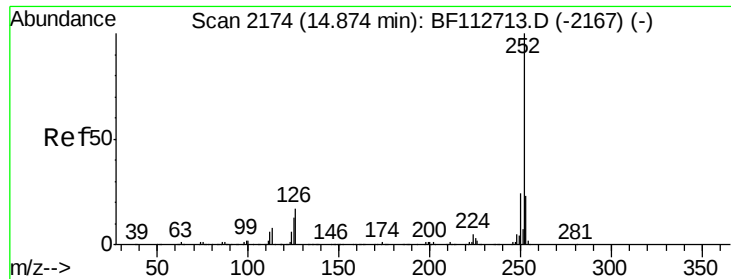
Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

265 21.8 17.2 25.8

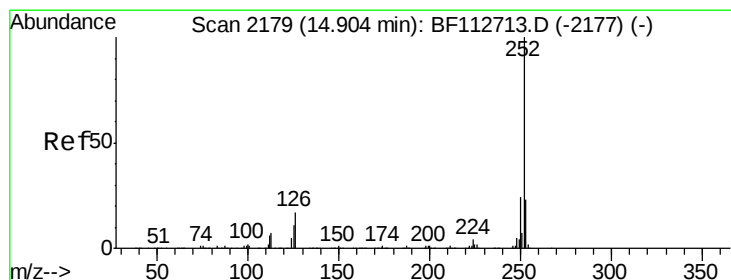
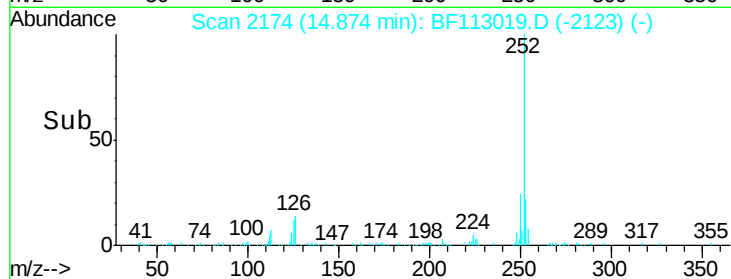
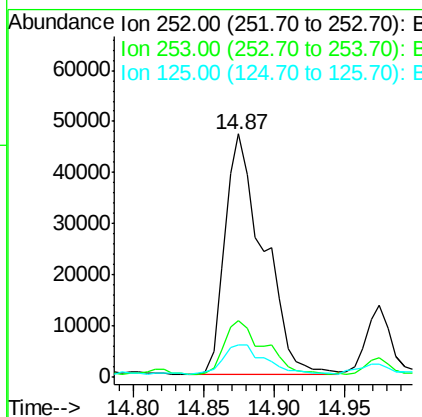
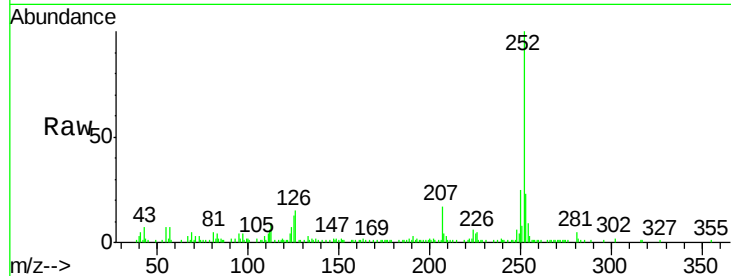




#88
Benzo(b)fluoranthene
Concen: 3.526 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113019.D
Acq: 12 Mar 2019 22:55

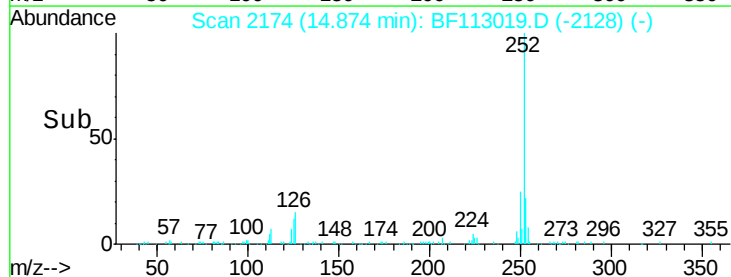
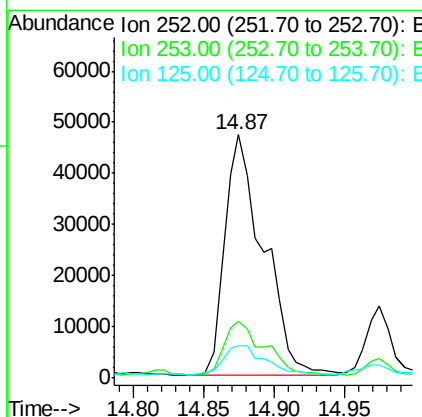
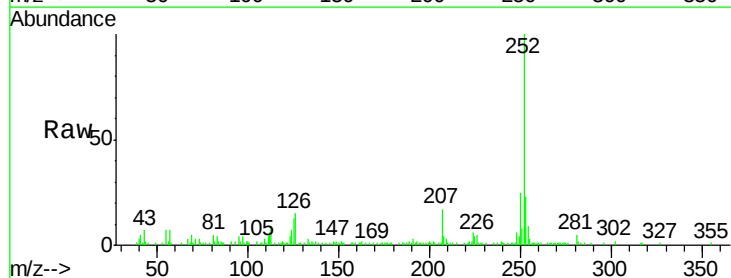
Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-5-031119

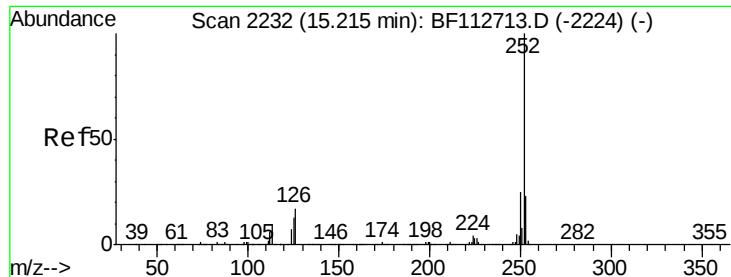
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	13.5	10.2	15.2



#89
Benzo(k)fluoranthene
Concen: 3.893 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF113019.D
Acq: 12 Mar 2019 22:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	13.5	9.8	14.6





#90

Benzo(a)pyrene

Concen: 2.298 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF113019.D

Acq: 12 Mar 2019 22:55

Instrument :

BNA_F

ClientSampleId :

SUP-7B-C-5-031119

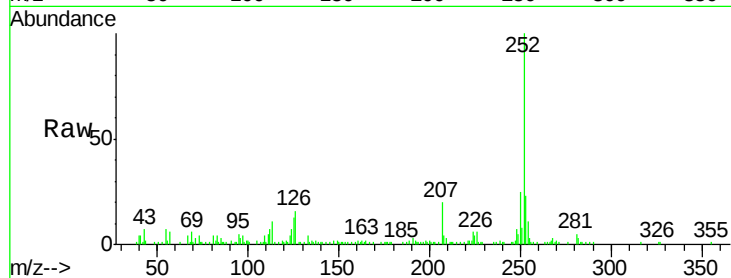
Tgt Ion:252 Resp: 51453

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

125 13.0 10.7 16.1



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

