

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031219\
 Data File : BF113018.D
 Acq On : 12 Mar 2019 22:27
 Operator : JU/SJ
 Sample : K1847-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-7B-C-4-031119

Quant Time: Mar 13 03:59:19 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	179258	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	681206	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	317305	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	574980	20.00	ng	0.00
76) Chrysene-d12	13.86	240	481879	20.00	ng	0.00
87) Perylene-d12	15.27	264	408895	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	1166296	101.21	ng	0.00
7) Phenol-d6	6.37	99	1508793	104.23	ng	0.00
23) Nitrobenzene-d5	7.29	82	938751	82.46	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	435104	129.17	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1648029	86.44	ng	0.00
79) Terphenyl-d14	12.82	244	1499040	60.30	ng	0.00

Target Compounds

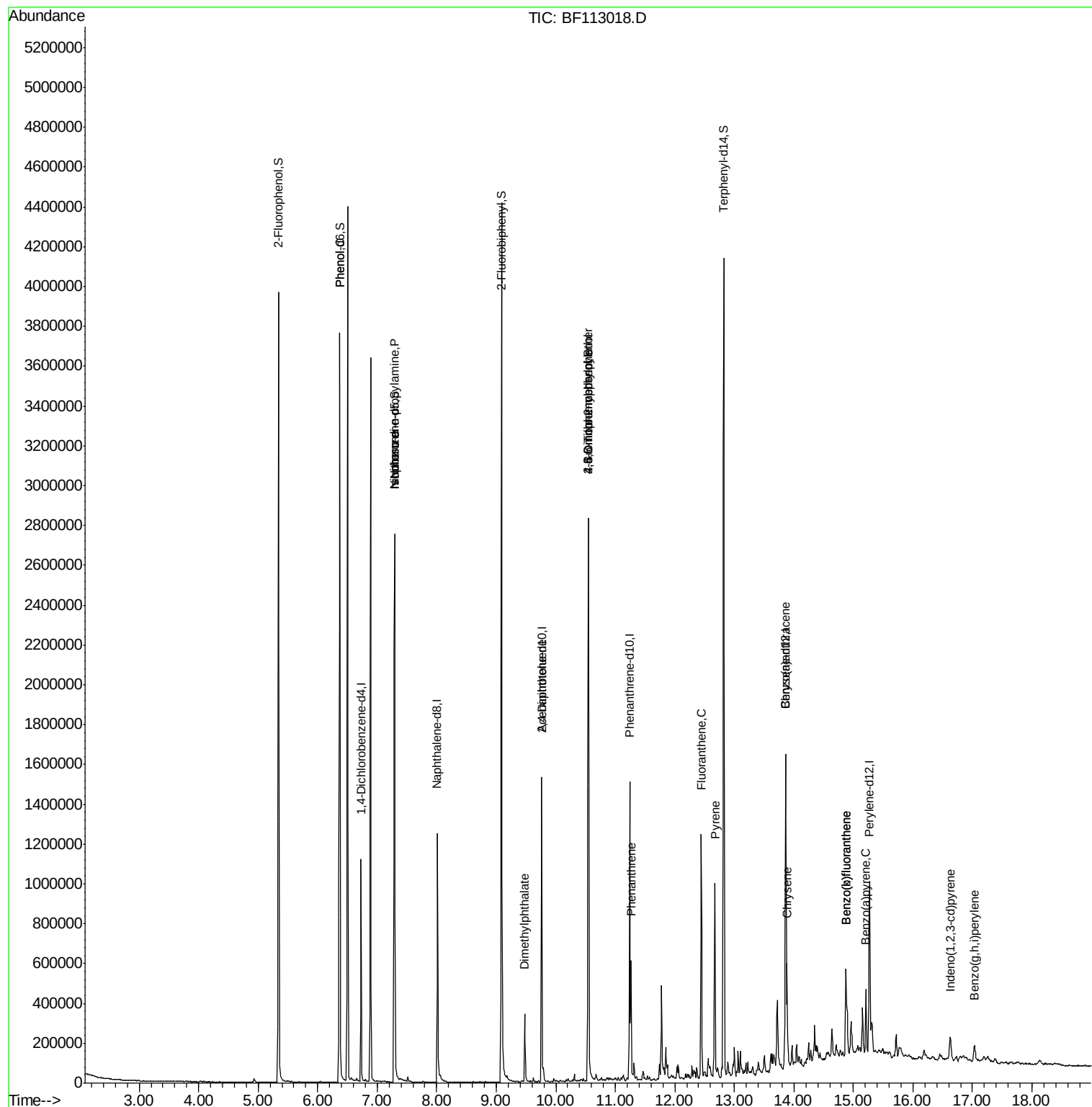
						Qvalue
10) Phenol	6.38	94	42707	2.528	ng	94
19) n-Nitroso-di-n-propylamine	7.29	70	122374	13.348	ng	# 74
25) Isophorone	7.29	82	936507	38.185	ng	# 66
50) Dimethylphthalate	9.48	163	151236	6.464	ng	99
57) 2,4-Dinitrotoluene	9.76	165	40603	6.704	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	649	4.861	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	24642	4.069	ng	# 1
71) Phenanthrene	11.26	178	213889	7.477	ng	96
75) Fluoranthene	12.45	202	488758	15.947	ng	97
78) Pyrene	12.67	202	433449	10.670	ng	99
81) Benzo(a)anthracene	13.86	228	205412	6.151	ng	98
83) Chrysene	13.89	228	208601	6.377	ng	97
86) Indeno(1,2,3-cd)pyrene	16.63	276	77716	2.787	ng	# 93
88) Benzo(b)fluoranthene	14.87	252	321646	12.161	ng	98
89) Benzo(k)fluoranthene	14.87	252	321646	13.426	ng	99
90) Benzo(a)pyrene	15.21	252	160070	6.842	ng	98
92) Benzo(g,h,i)perylene	17.03	276	76267	3.805	ng	99

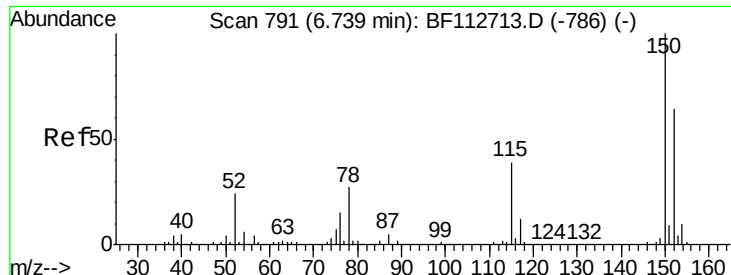
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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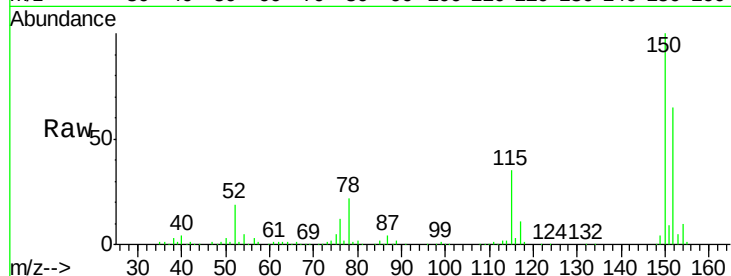


#1

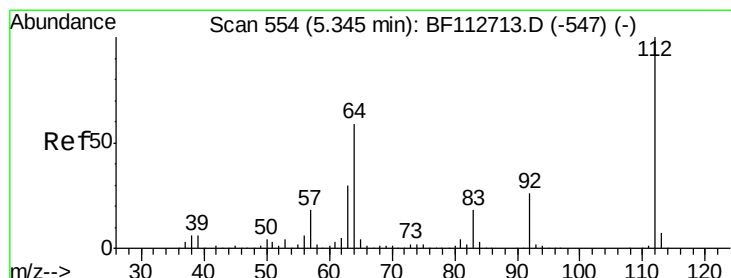
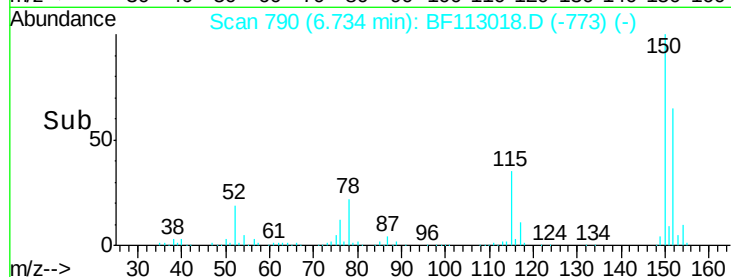
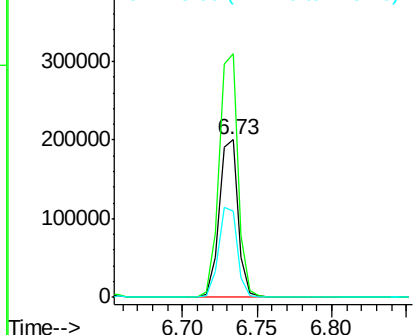
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-4-031119

Tgt Ion:152 Resp: 179258
Ion Ratio Lower Upper
152 100
150 154.7 124.2 186.2
115 54.8 48.2 72.4



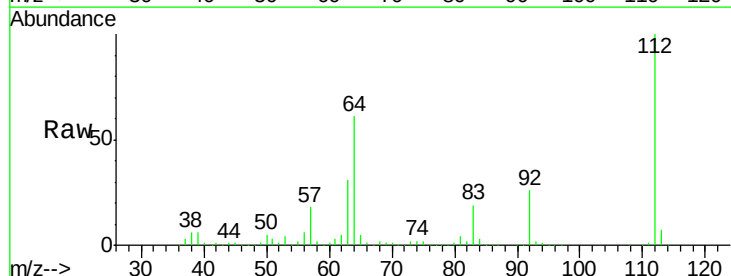
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



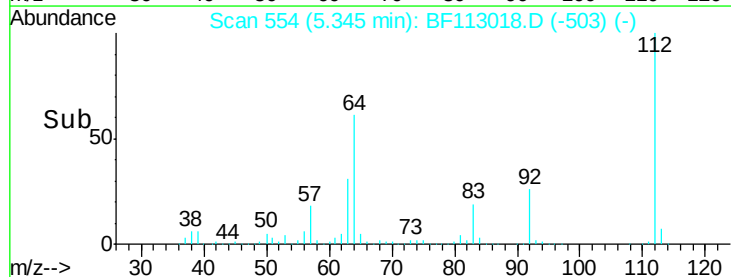
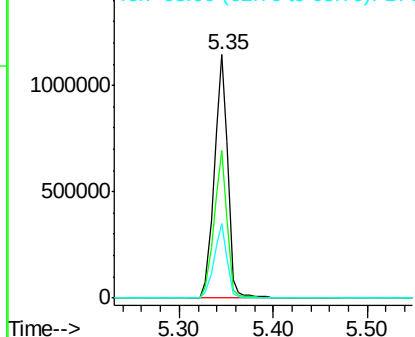
#5

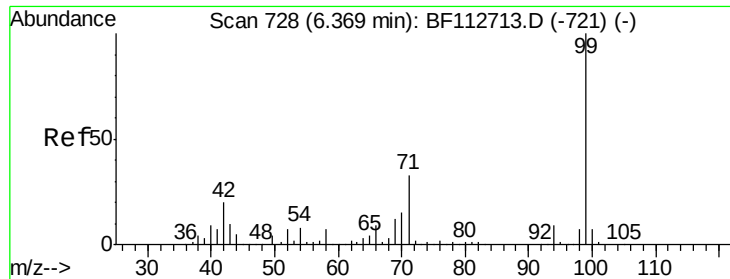
2-Fluorophenol
Concen: 101.207 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Tgt Ion:112 Resp: 1166296
Ion Ratio Lower Upper
112 100
64 60.6 47.6 71.4
63 30.7 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: 104.229 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113018.D

Acq: 12 Mar 2019 22:27

Instrument :

BNA_F

ClientSampleId :

SUP-7B-C-4-031119

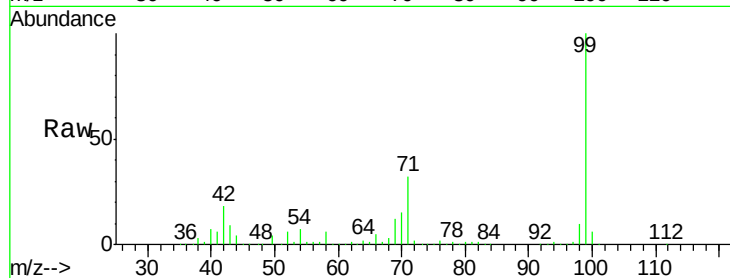
Tgt Ion: 99 Resp: 1508793

Ion Ratio Lower Upper

99 100

42 17.8 16.3 24.5

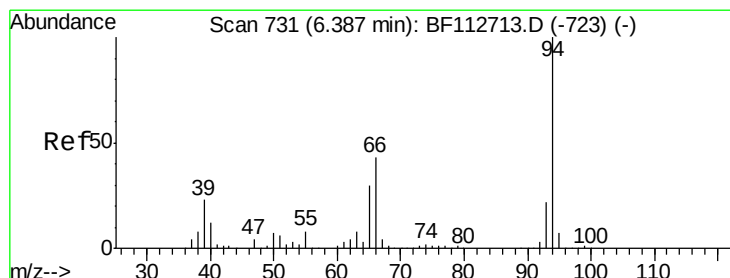
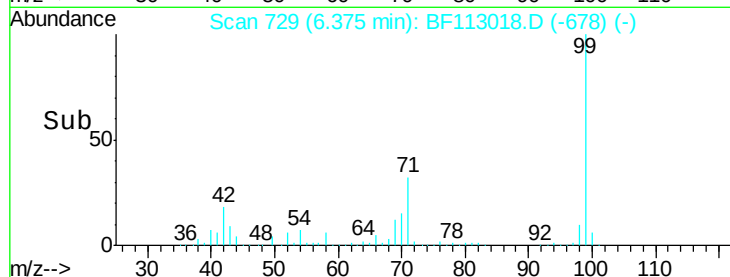
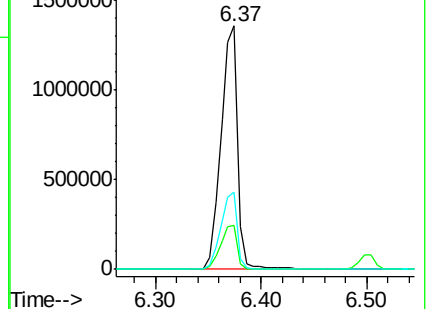
71 31.8 26.2 39.4



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: 2.528 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF113018.D

Acq: 12 Mar 2019 22:27

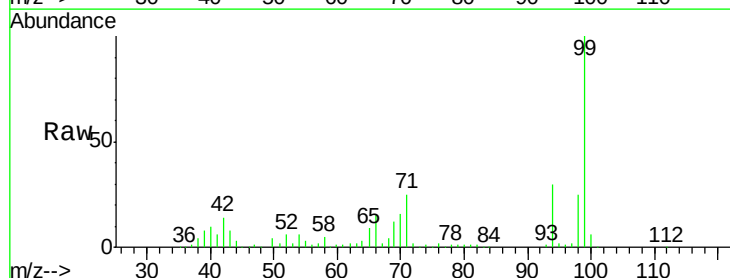
Tgt Ion: 94 Resp: 42707

Ion Ratio Lower Upper

94 100

65 30.7 10.5 50.5

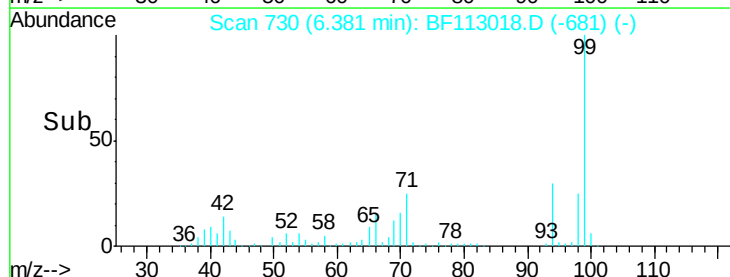
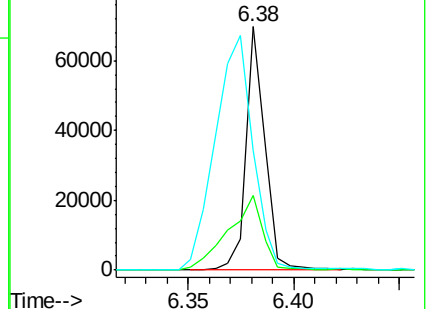
66 49.1 22.6 62.6

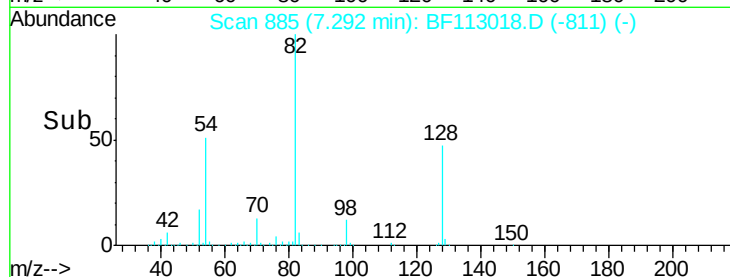
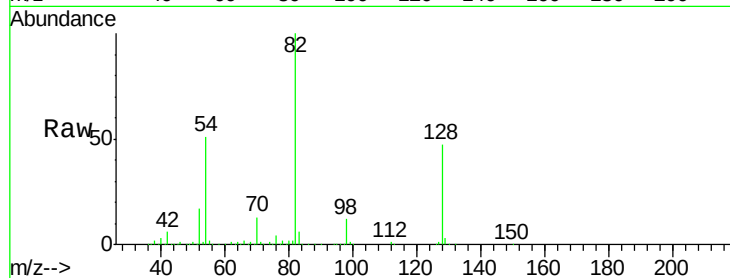
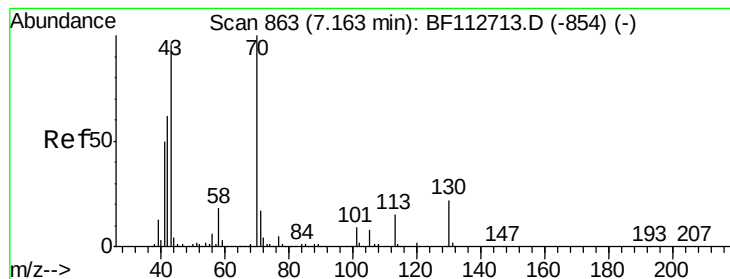


Abundance Ion 94.00 (93.70 to 94.70): BF1

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: 13.348 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF113018.D

Acq: 12 Mar 2019 22:27

Instrument :

BNA_F

ClientSampleId :

SUP-7B-C-4-031119

Tgt Ion: 70 Resp: 122374

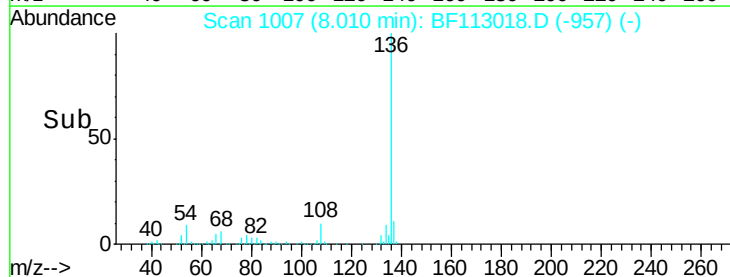
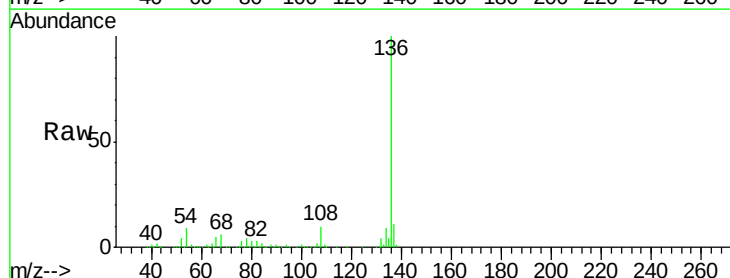
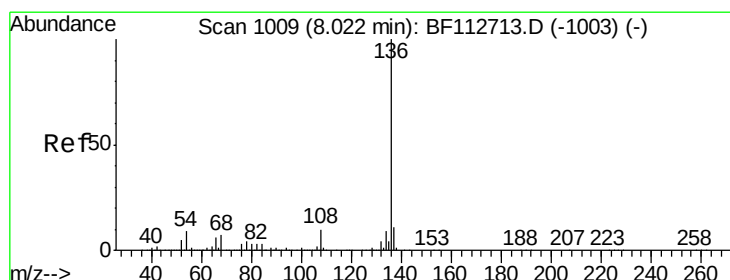
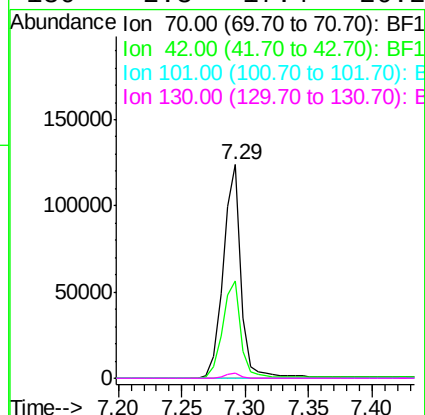
Ion Ratio Lower Upper

70 100

42 45.9 49.9 74.9#

101 0.0 7.4 11.2#

130 2.3 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: BF113018.D

Acq: 12 Mar 2019 22:27

Tgt Ion: 136 Resp: 681206

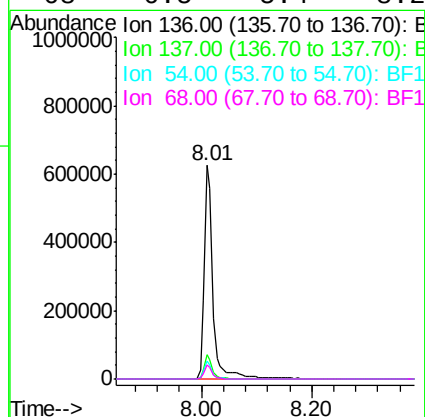
Ion Ratio Lower Upper

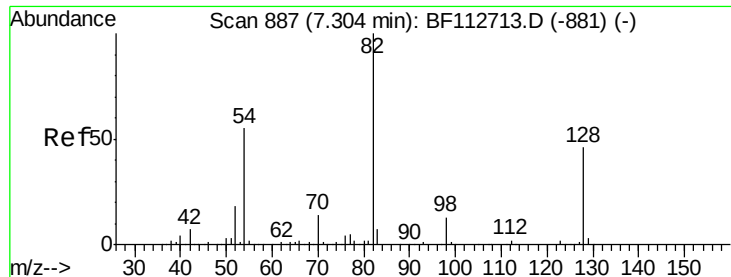
136 100

137 11.3 8.9 13.3

54 8.7 7.3 10.9

68 6.5 5.4 8.2

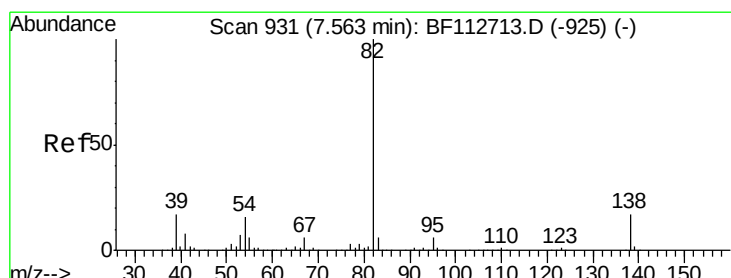
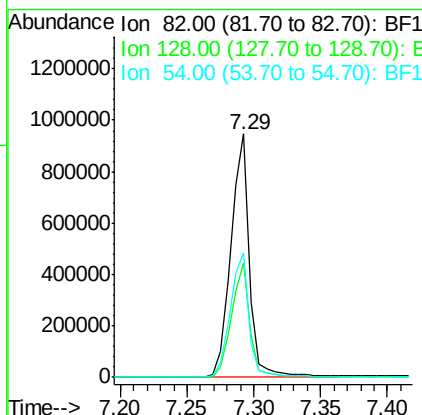
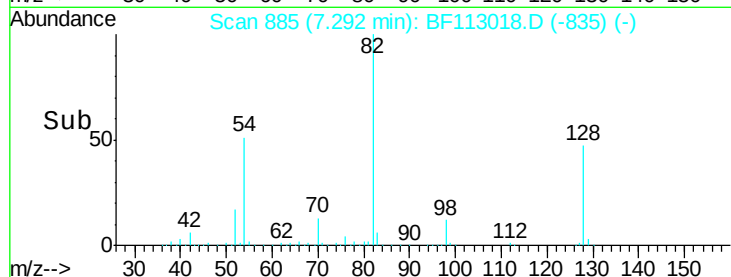
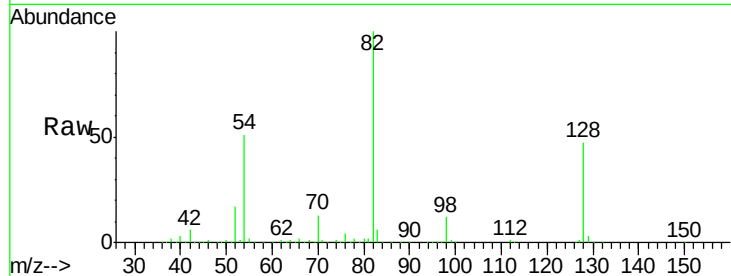




#23
Nitrobenzene-d5
Concen: 82.461 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

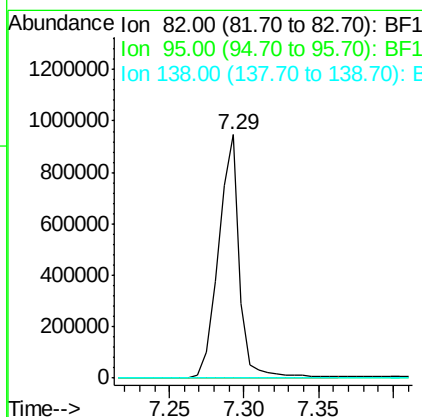
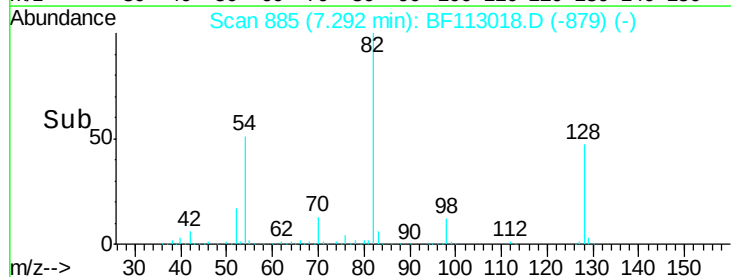
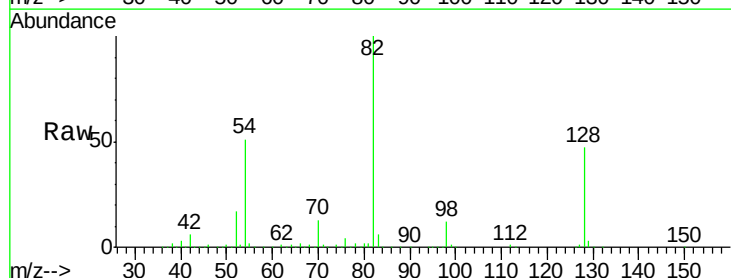
Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-4-031119

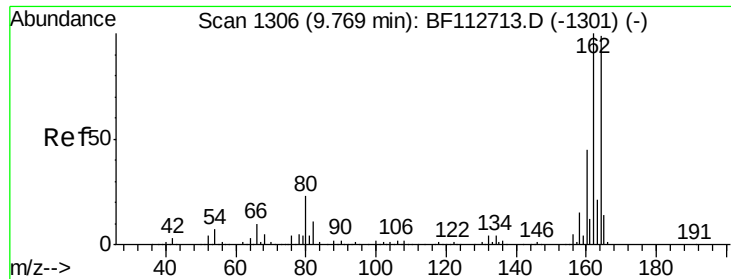
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.3	54.5
54	51.1	43.7	65.5



#25
Isophorone
Concen: 38.185 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.26 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	13.8	20.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF113018.D

Acq: 12 Mar 2019 22:27

Instrument :

BNA_F

ClientSampleId :

SUP-7B-C-4-031119

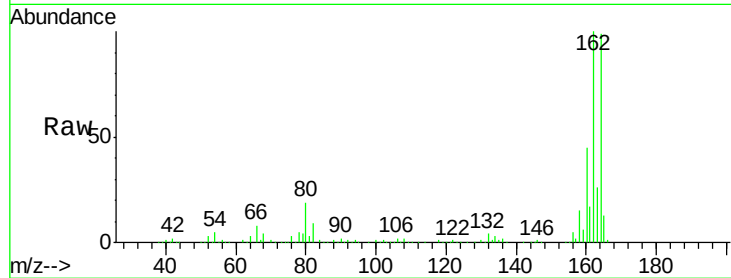
Tgt Ion:164 Resp: 317305

Ion Ratio Lower Upper

164 100

162 101.2 80.6 120.8

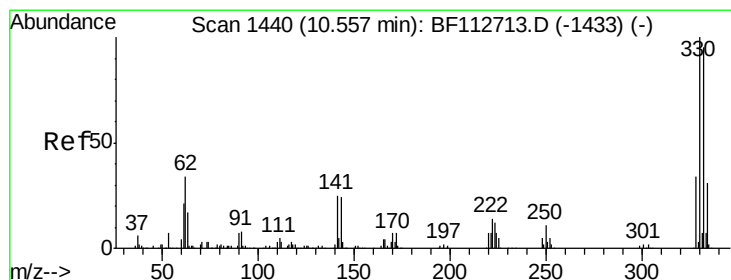
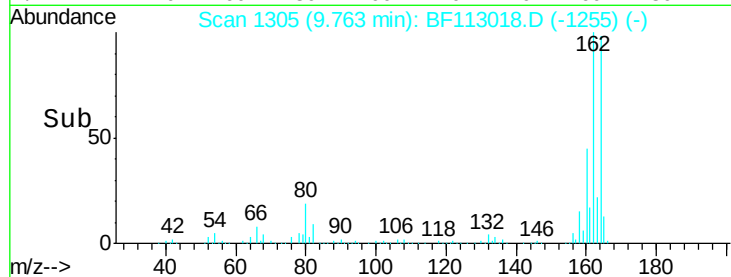
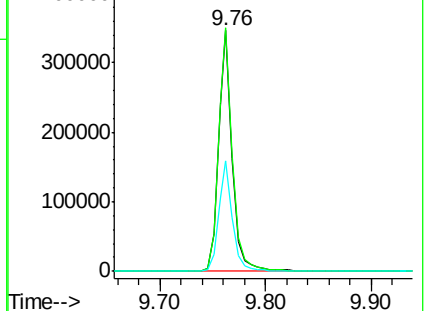
160 45.9 36.0 54.0



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: 129.165 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BF113018.D

Acq: 12 Mar 2019 22:27

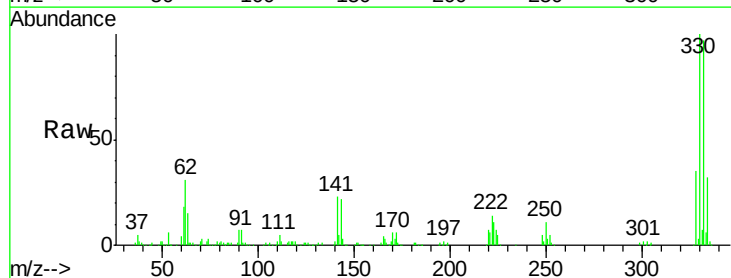
Tgt Ion:330 Resp: 435104

Ion Ratio Lower Upper

330 100

332 96.6 76.2 114.4

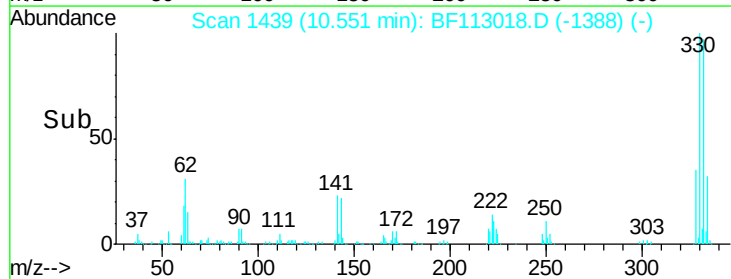
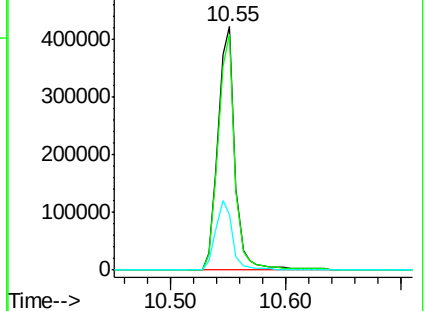
141 28.8 27.0 40.6

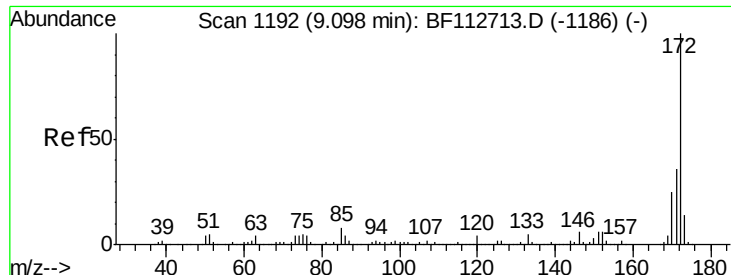


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

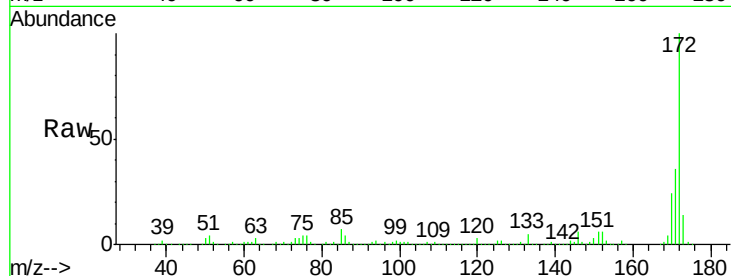




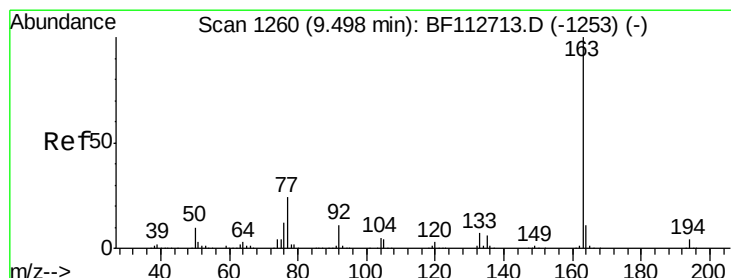
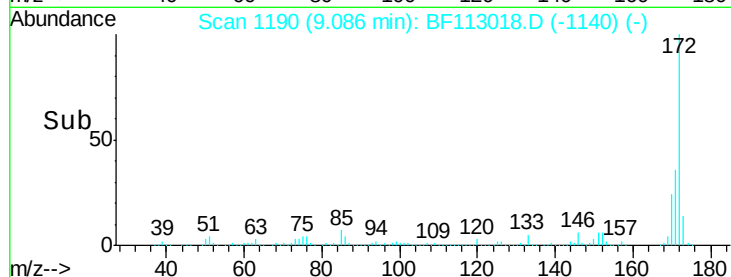
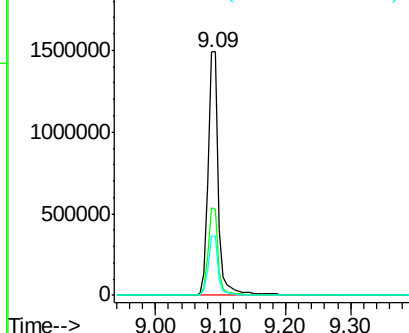
#45
 2-Fluorobiphenyl
 Concen: 86.442 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF113018.D
 Acq: 12 Mar 2019 22:27

Instrument :
 BNA_F
 ClientSampleId :
 SUP-7B-C-4-031119

Tgt Ion:172 Resp: 1648029
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.0 43.4
 170 24.2 20.0 30.0

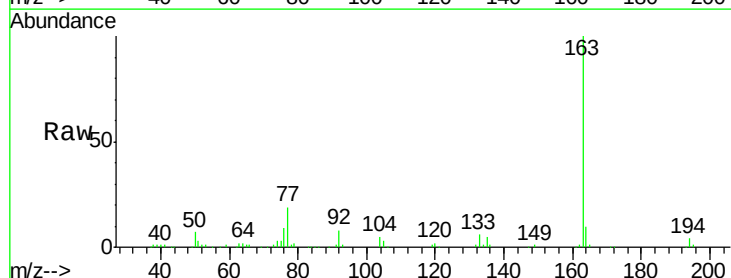


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

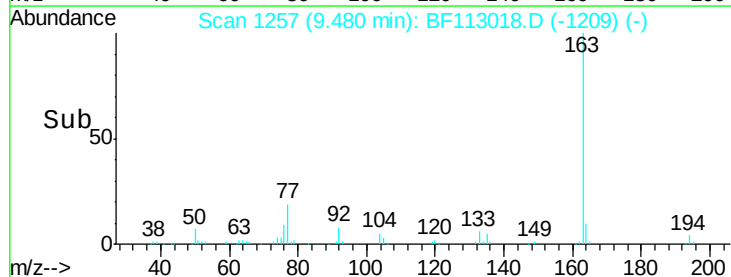
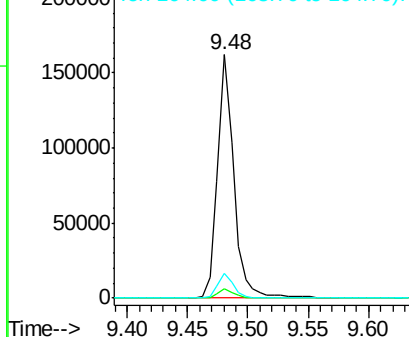


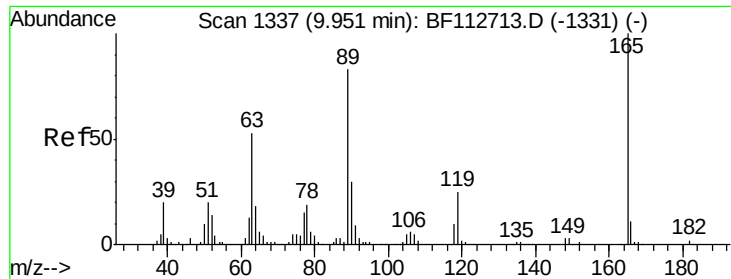
#50
 Dimethylphthalate
 Concen: 6.464 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. -0.02 min
 Lab File: BF113018.D
 Acq: 12 Mar 2019 22:27

Tgt Ion:163 Resp: 151236
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.0 4.4
 164 10.1 8.4 12.6



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

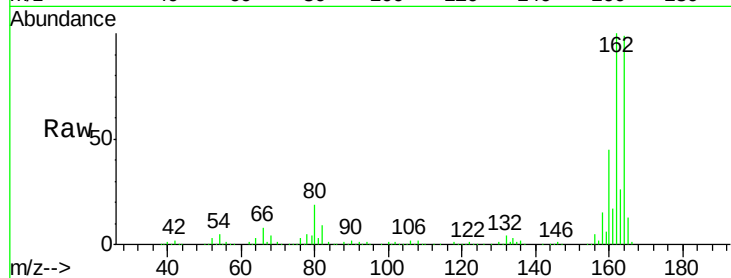




#57
2,4-Dinitrotoluene
Concen: 6.704 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.19 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-4-031119

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.2	63.2#
89	1.5	66.2	99.4#
182	0.0	1.8	2.6#

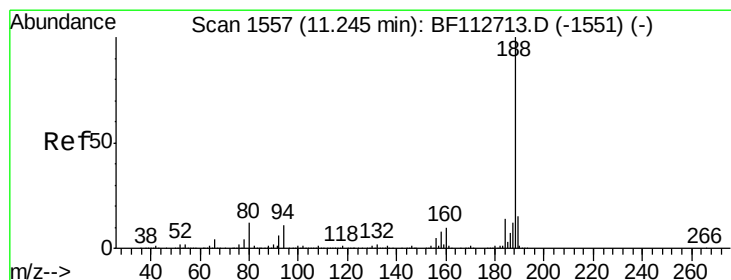
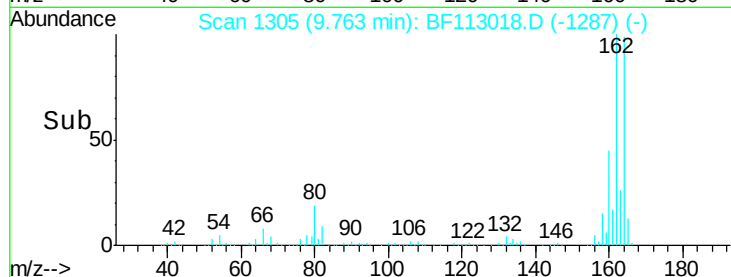
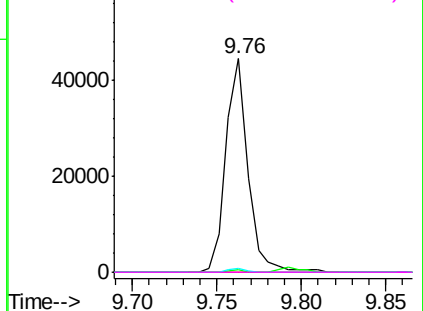


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

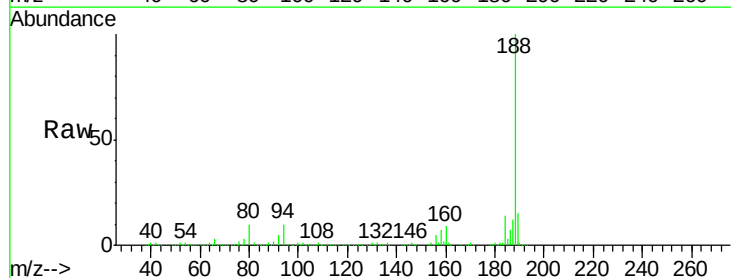
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

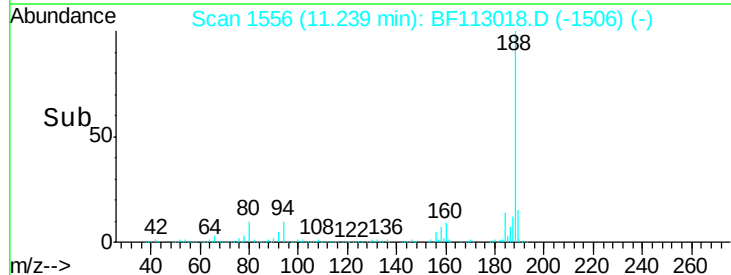
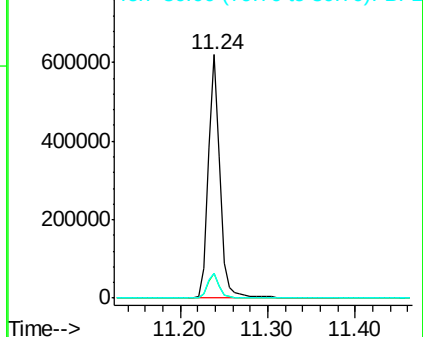
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.0	13.4
80	10.3	9.2	13.8

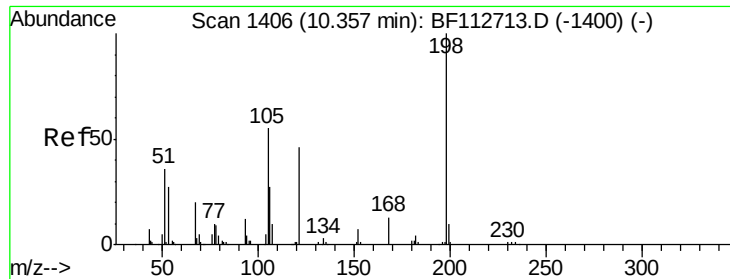


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

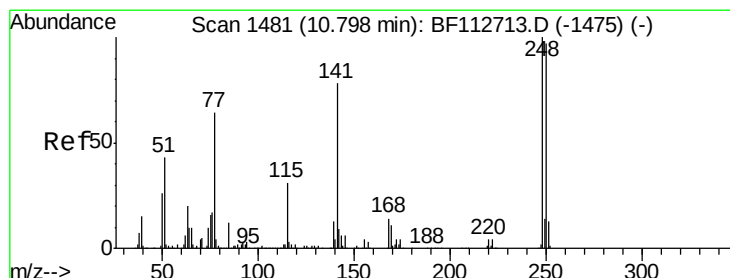
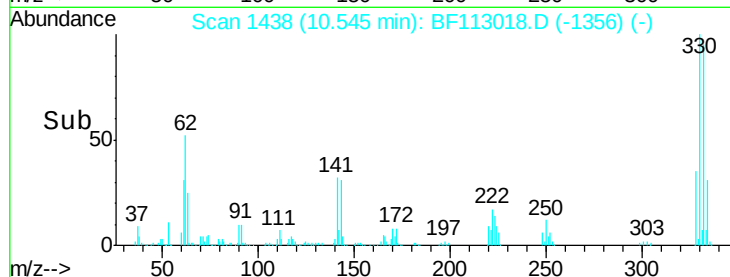
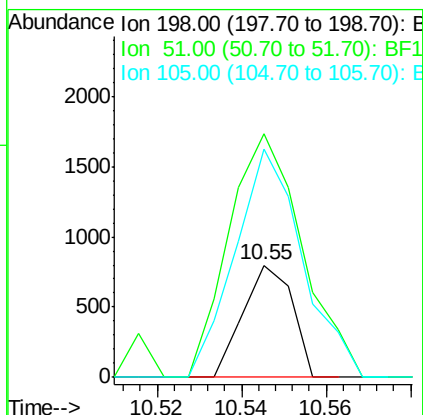
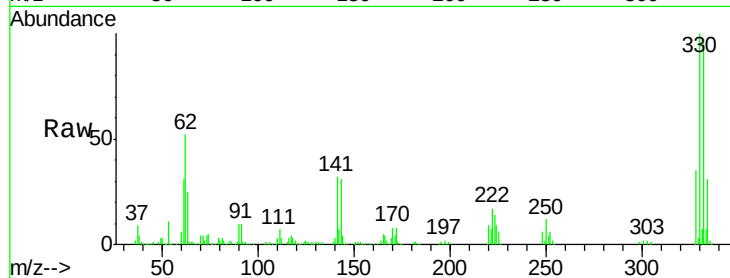




#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.861 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.18 min
 Lab File: BF113018.D
 Acq: 12 Mar 2019 22:27

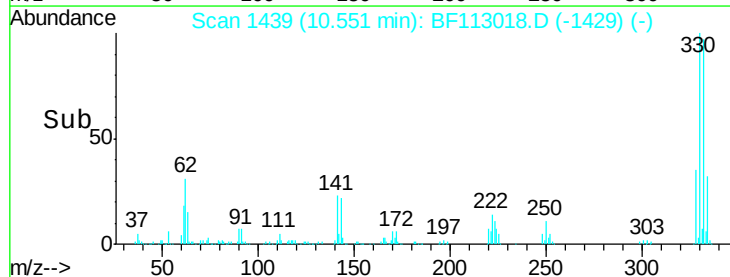
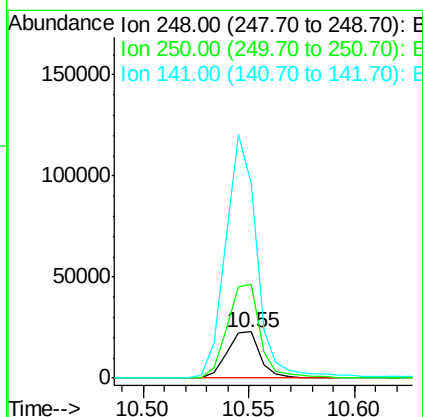
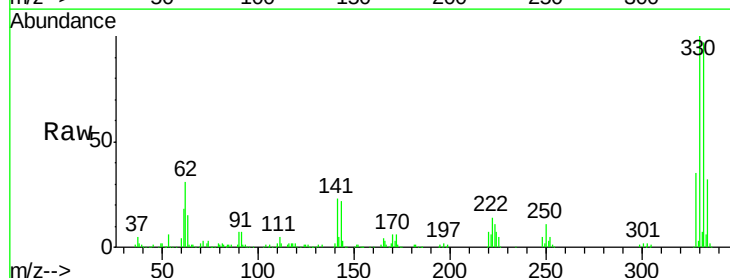
Instrument :
 BNA_F
 ClientSampleId :
 SUP-7B-C-4-031119

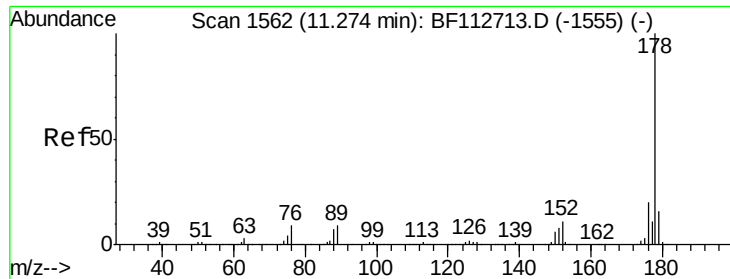
Tgt Ion:198 Resp: 649
 Ion Ratio Lower Upper
 198 100
 51 217.2 43.8 83.8#
 105 203.9 36.5 76.5#



#67
 4-Bromophenyl-phenylether
 Concen: 4.069 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF113018.D
 Acq: 12 Mar 2019 22:27

Tgt Ion:248 Resp: 24642
 Ion Ratio Lower Upper
 248 100
 250 203.1 77.5 116.3#
 141 426.1 62.4 93.6#

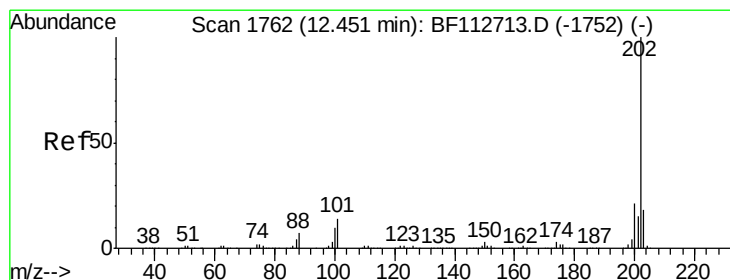
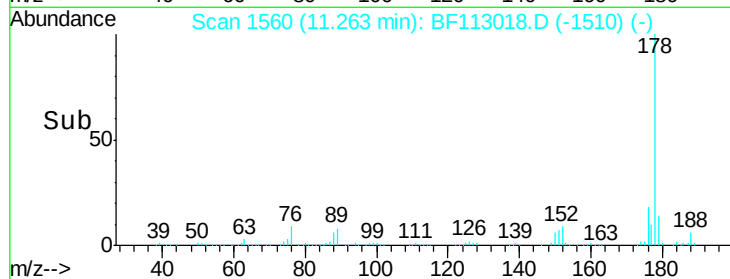
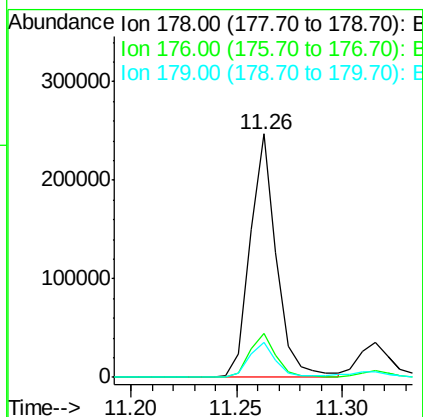
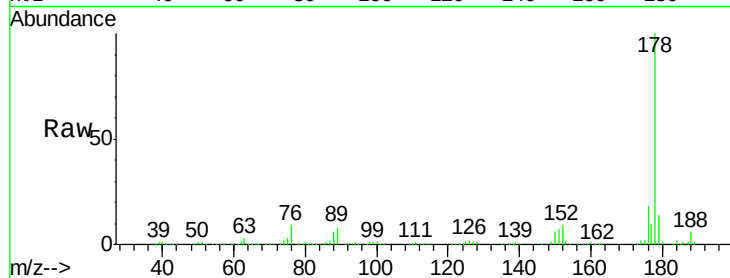




#71
Phenanthrene
Concen: 7.477 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

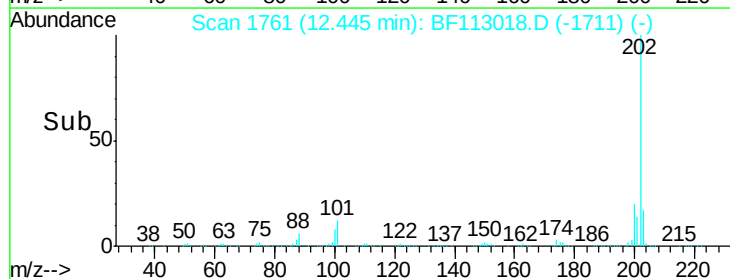
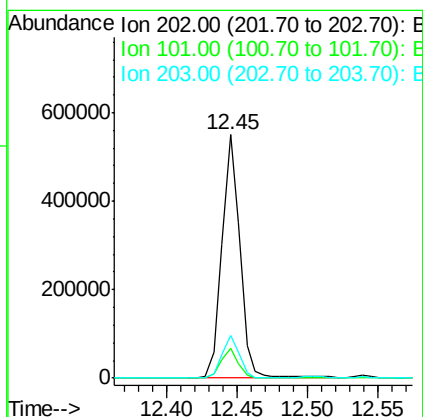
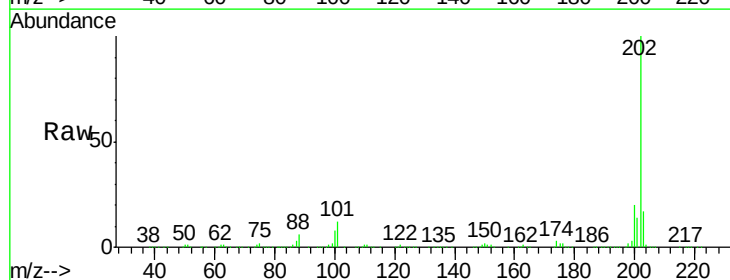
Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-4-031119

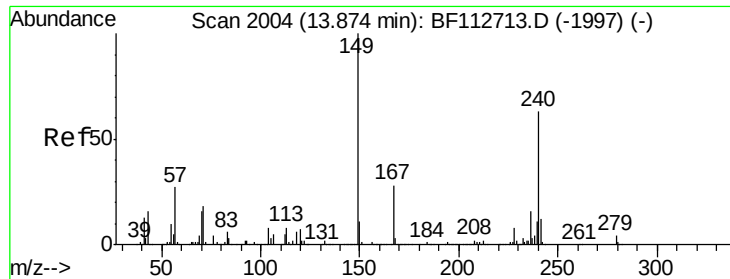
Tgt Ion:178 Resp: 213889
Ion Ratio Lower Upper
178 100
176 18.0 16.3 24.5
179 14.4 12.7 19.1



#75
Fluoranthene
Concen: 15.947 ng
RT: 12.45 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Tgt Ion:202 Resp: 488758
Ion Ratio Lower Upper
202 100
101 12.1 0.0 33.8
203 17.4 0.0 38.4

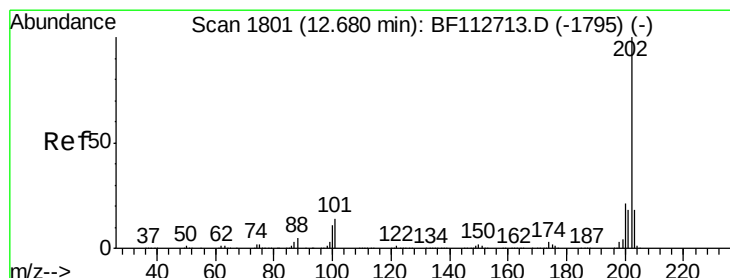
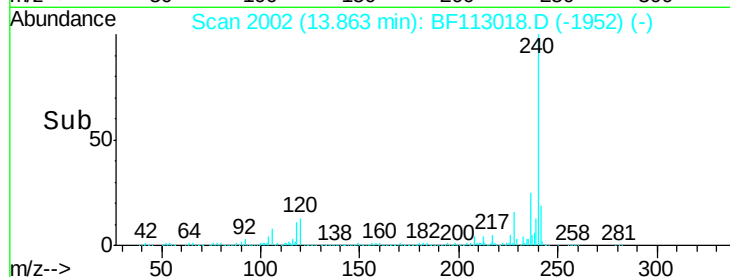
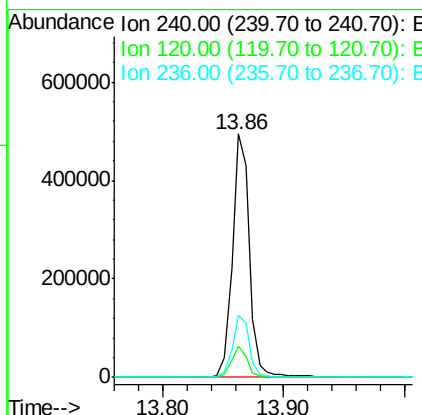
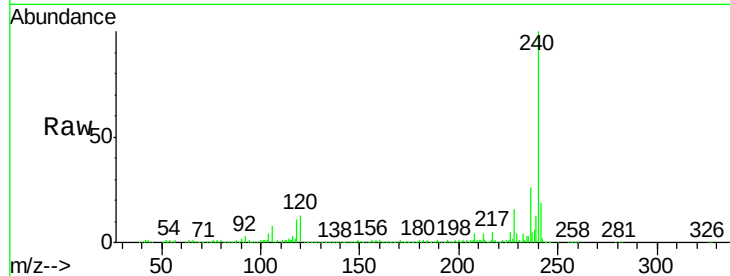




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

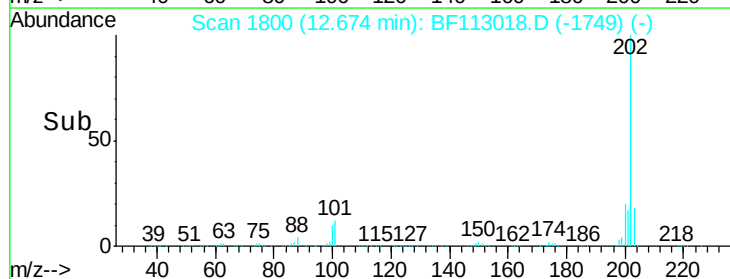
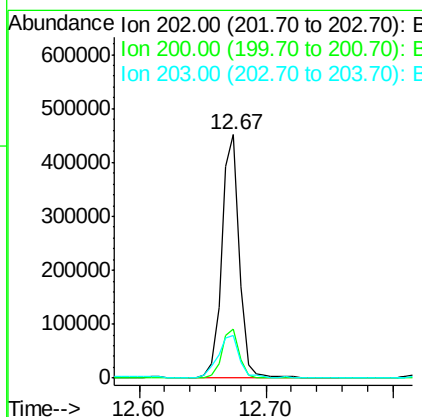
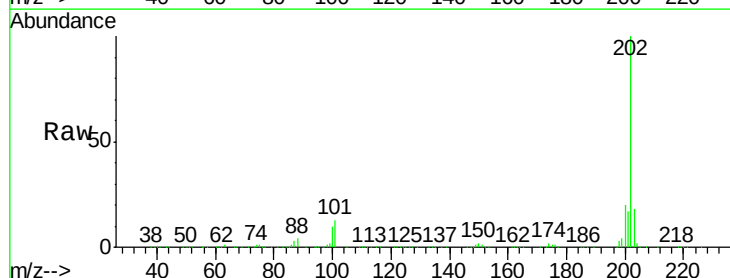
Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-4-031119

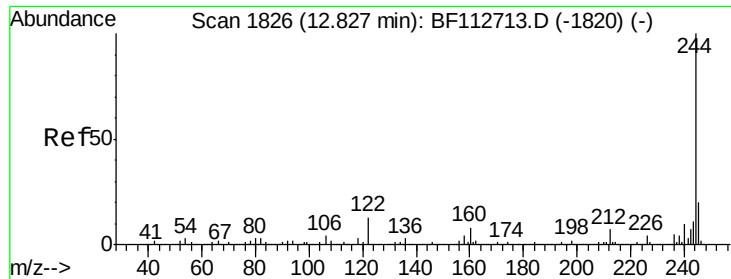
Tgt Ion:240 Resp: 481879
Ion Ratio Lower Upper
240 100
120 13.0 8.9 13.3
236 25.6 20.7 31.1



#78
Pyrene
Concen: 10.670 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Tgt Ion:202 Resp: 433449
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.4
203 17.7 14.4 21.6

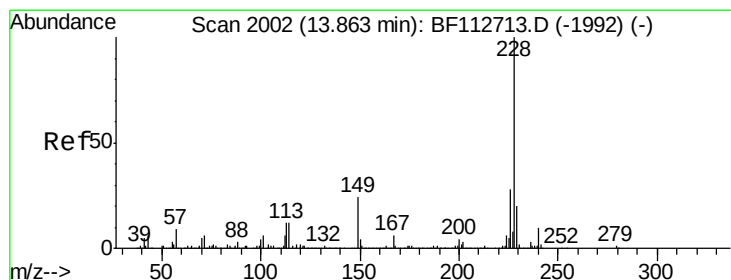
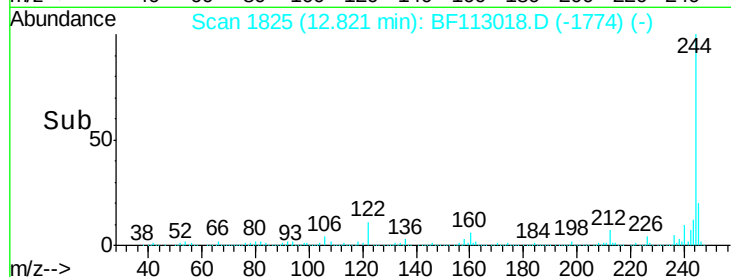
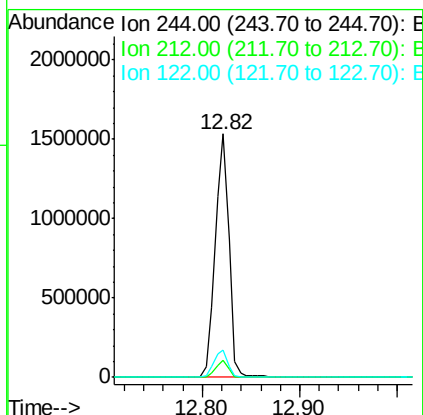
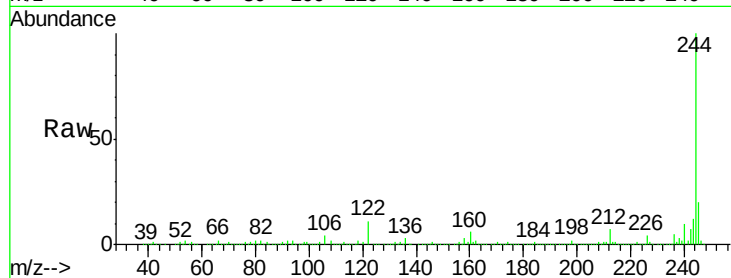




#79
 Terphenyl-d14
 Concen: 60.303 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BF113018.D
 Acq: 12 Mar 2019 22:27

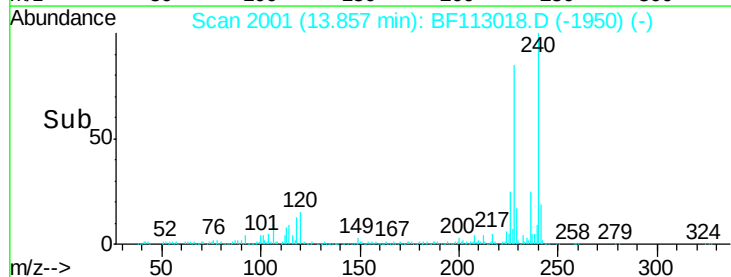
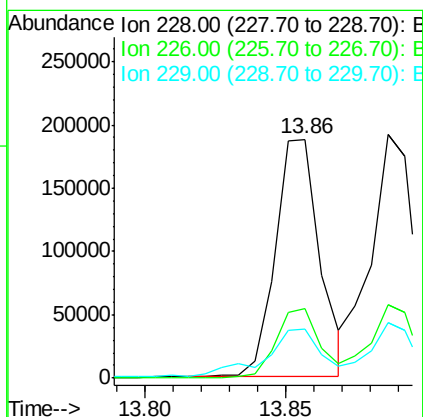
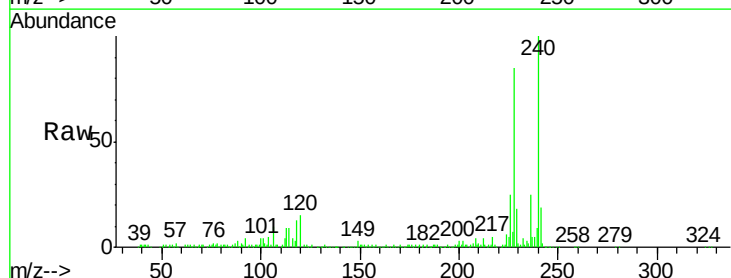
Instrument :
 BNA_F
 ClientSampleId :
 SUP-7B-C-4-031119

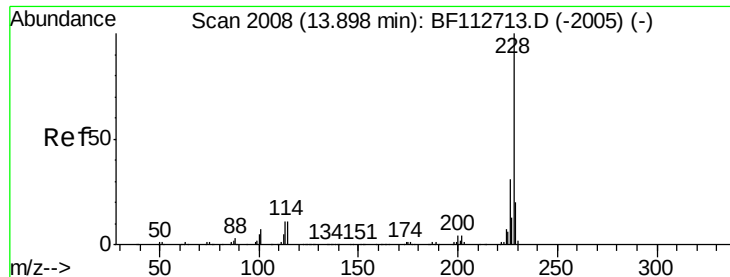
Tgt Ion:244 Resp: 1499040
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.3 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 6.151 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.00 min
 Lab File: BF113018.D
 Acq: 12 Mar 2019 22:27

Tgt Ion:228 Resp: 205412
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.2 33.4
 229 20.6 16.0 24.0

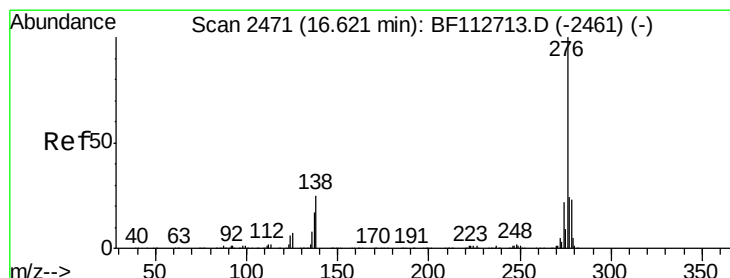
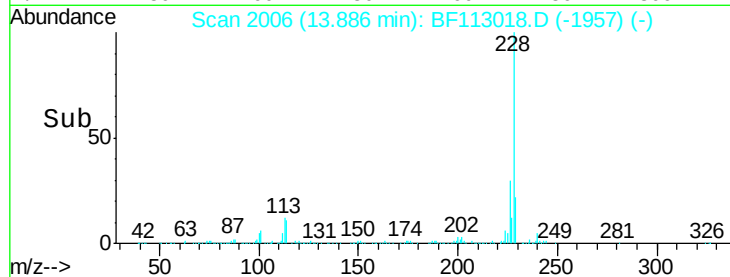
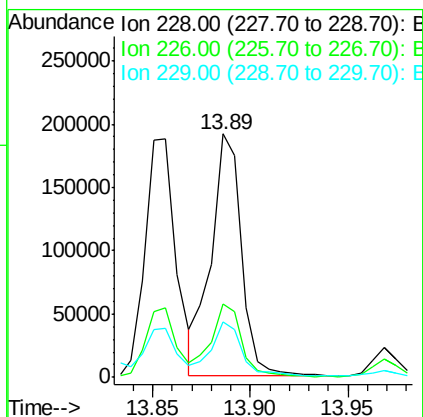
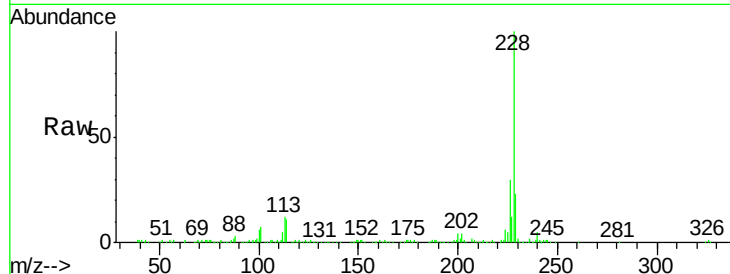




#83
Chrysene
Concen: 6.377 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

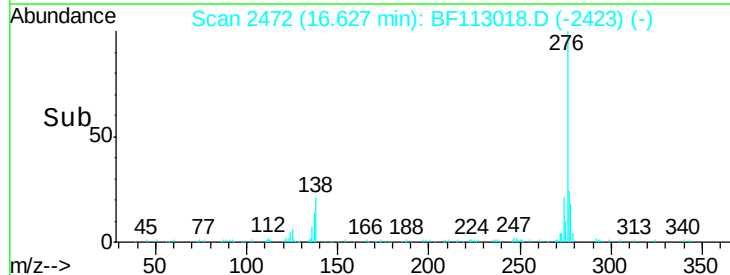
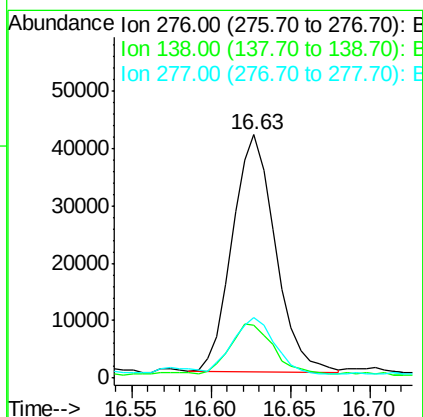
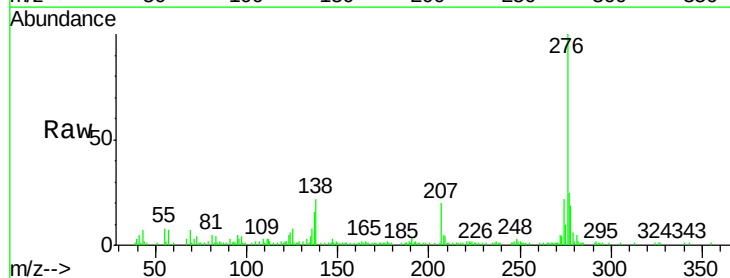
Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-4-031119

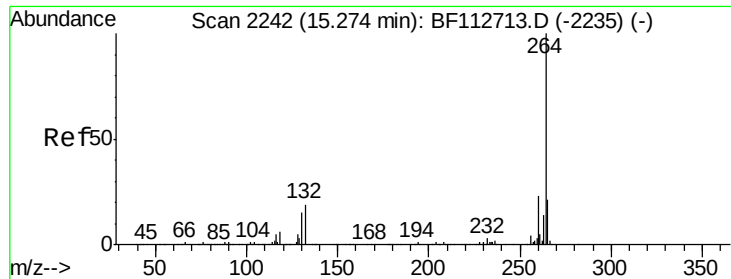
Tgt Ion: 228 Resp: 208601
Ion Ratio Lower Upper
228 100
226 30.1 24.9 37.3
229 22.6 16.3 24.5



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.787 ng
RT: 16.63 min Scan# 2472
Delta R.T. -0.01 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Tgt Ion: 276 Resp: 77716
Ion Ratio Lower Upper
276 100
138 23.1 23.2 34.8#
277 23.4 19.9 29.9

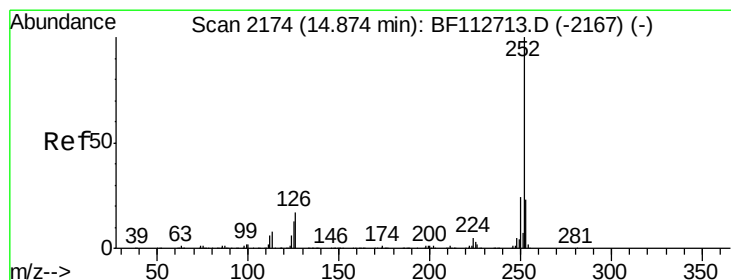
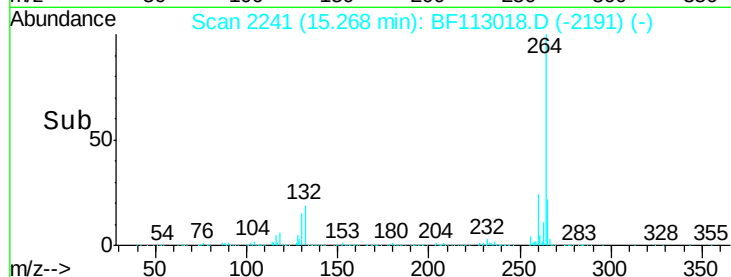
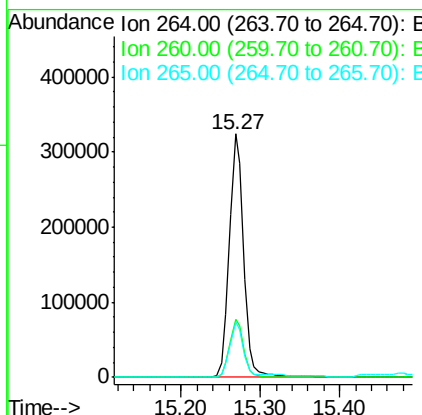
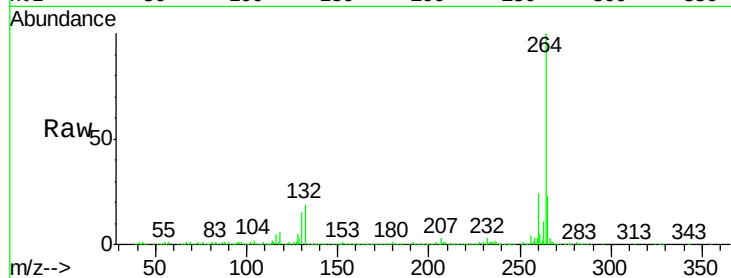




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

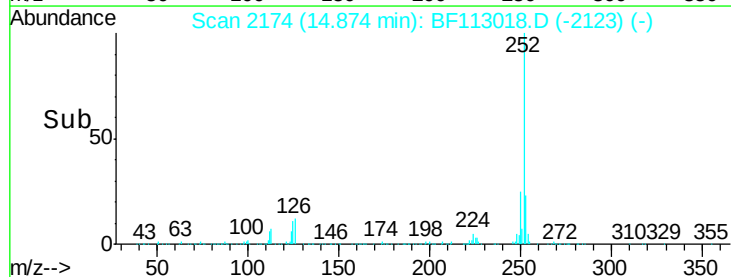
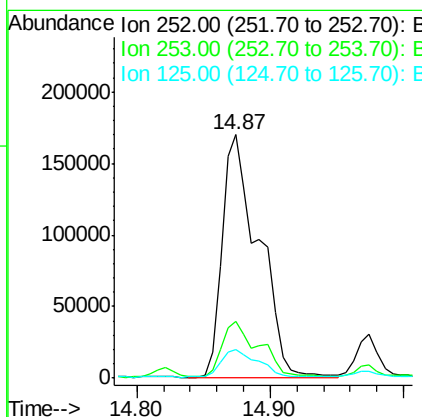
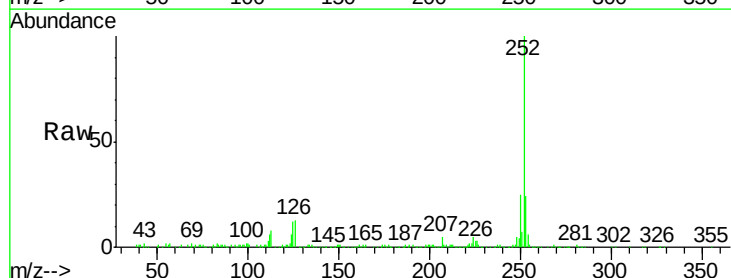
Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-4-031119

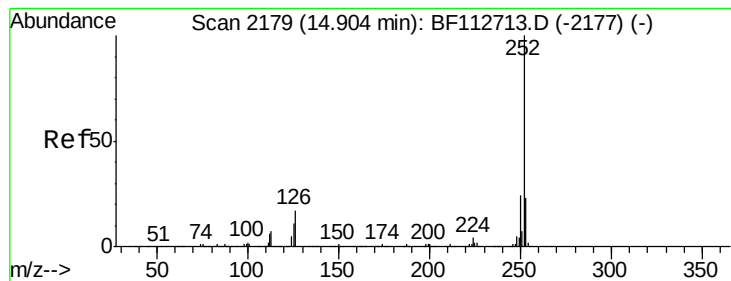
Tgt Ion:264 Resp: 408895
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 22.6 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 12.161 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Tgt Ion:252 Resp: 321646
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 11.8 10.2 15.2





#89

Benzo(k)fluoranthene

Concen: 13.426 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.03 min

Lab File: BF113018.D

Acq: 12 Mar 2019 22:27

Instrument :

BNA_F

ClientSampleId :

SUP-7B-C-4-031119

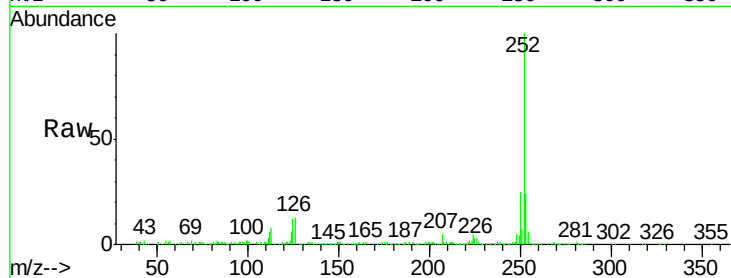
Tgt Ion:252 Resp: 321646

Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.2

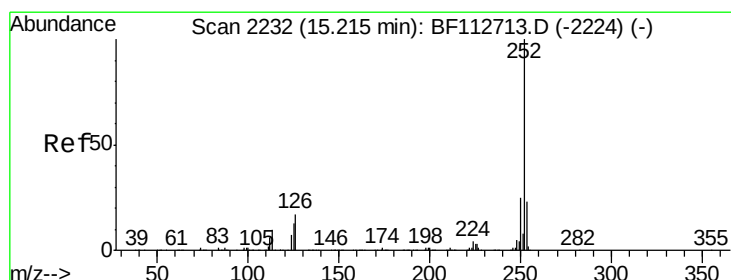
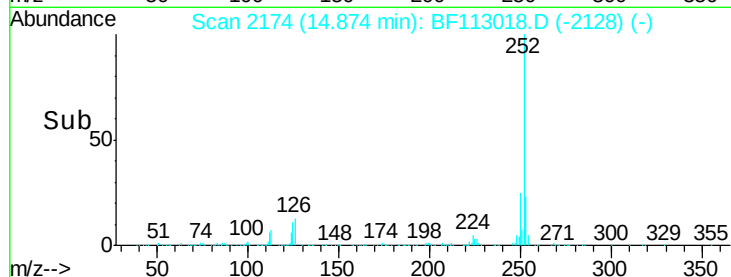
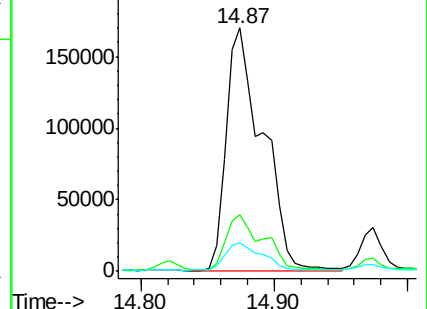
125 11.8 9.8 14.6



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



#90

Benzo(a)pyrene

Concen: 6.842 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF113018.D

Acq: 12 Mar 2019 22:27

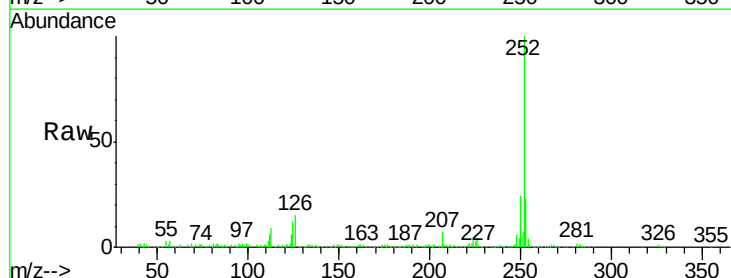
Tgt Ion:252 Resp: 160070

Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

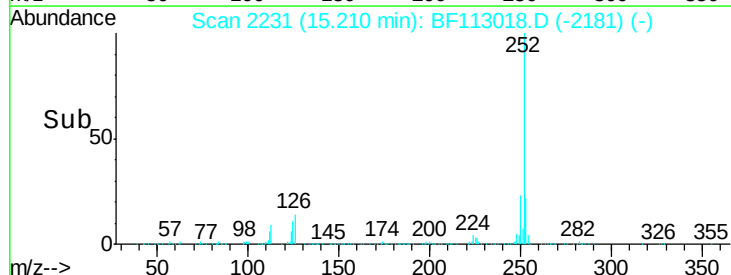
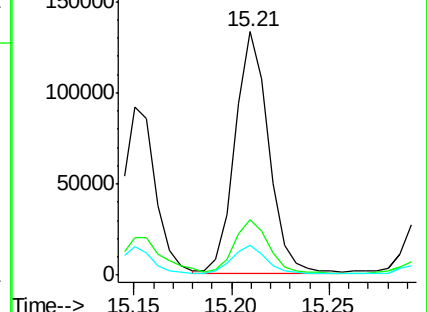
125 12.1 10.7 16.1

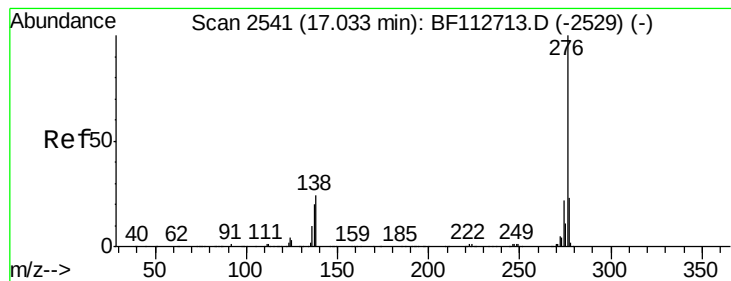


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(g,h,i)perylene

Concen: 3.805 ng

RT: 17.03 min Scan# 2541

Delta R.T. -0.01 min

Lab File: BF113018.D

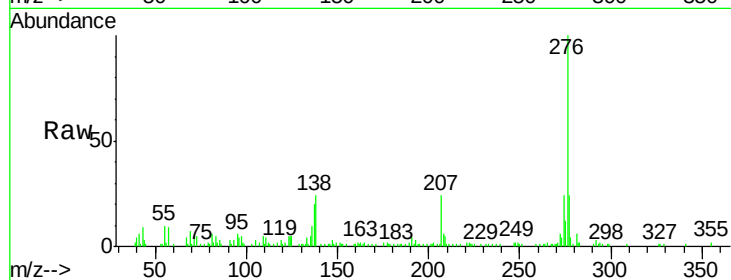
Acq: 12 Mar 2019 22:27

Instrument :

BNA_F

ClientSampleId :

SUP-7B-C-4-031119



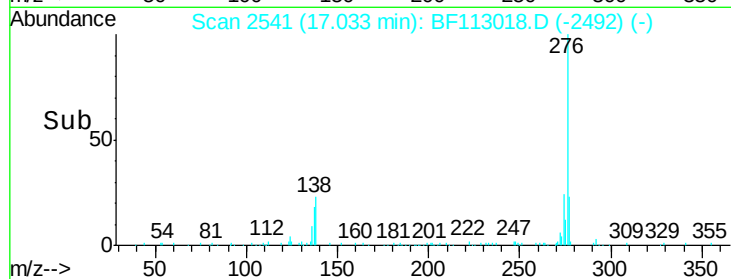
Tgt Ion: 276 Resp: 76267

Ion Ratio Lower Upper

276 100

277 23.7 18.6 27.8

138 24.3 19.4 29.0



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

