

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031519\
 Data File : BF113061.D
 Acq On : 15 Mar 2019 13:07
 Operator : JU/SJ
 Sample : K1905-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT5124

Quant Time: Mar 15 22:52:30 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	164245	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	641772	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	311688	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	640459	20.00	ng	0.00
76) Chrysene-d12	13.86	240	609631	20.00	ng	0.00
87) Perylene-d12	15.27	264	583258	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	1122016	106.26	ng	0.00
7) Phenol-d6	6.37	99	1527081	115.13	ng	0.00
23) Nitrobenzene-d5	7.29	82	888275	82.82	ng	-0.01
42) 2,4,6-Tribromophenol	10.54	330	475777	143.78	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1524524	79.72	ng	0.00
79) Terphenyl-d14	12.82	244	1741626	55.38	ng	0.00

Target Compounds

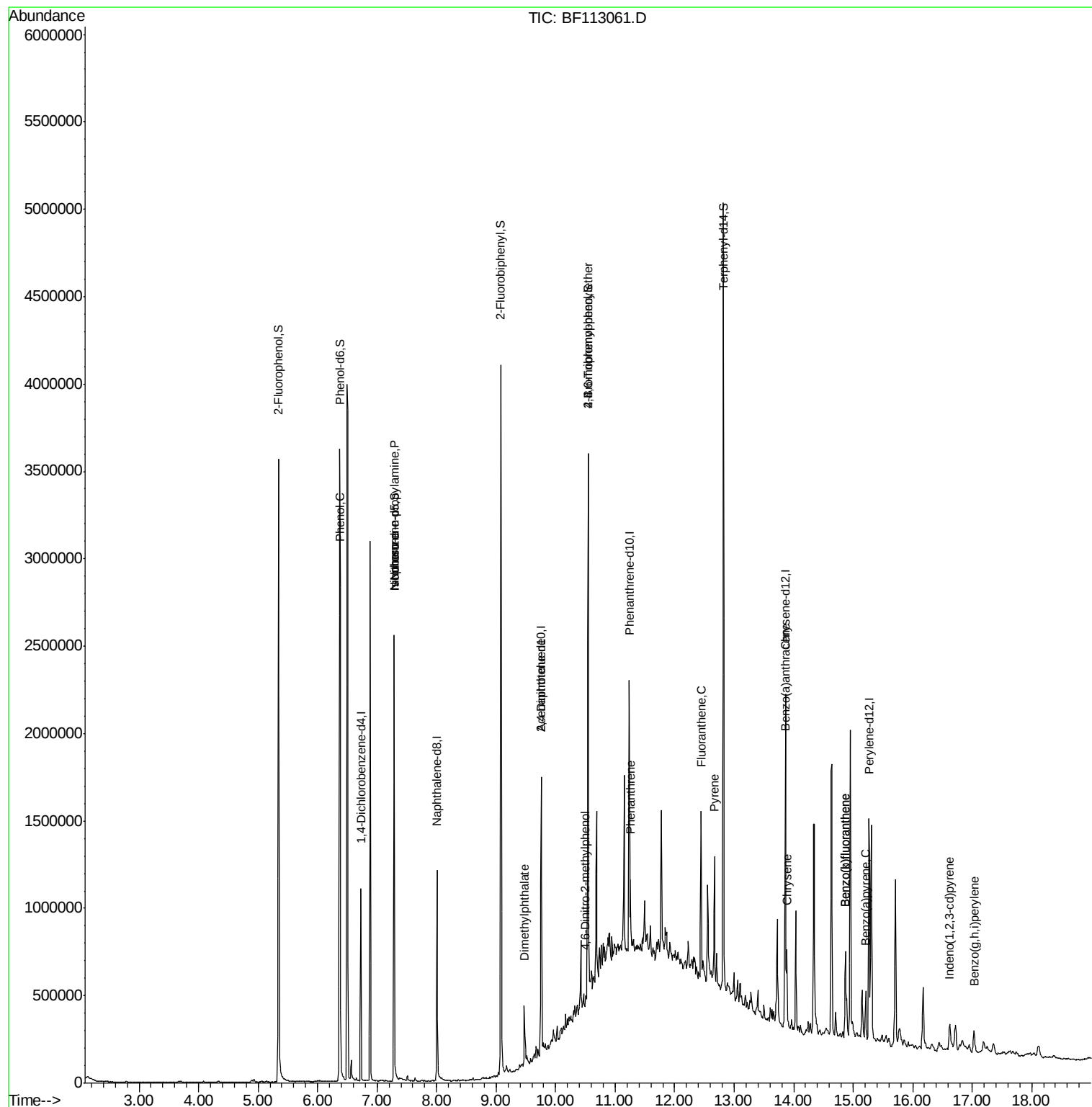
						Qvalue
10) Phenol	6.39	94	31640	2.044	ng	96
19) n-Nitroso-di-n-propylamine	7.29	70	117199	13.952	ng	# 77
25) Isophorone	7.29	82	864425	37.412	ng	# 66
50) Dimethylphthalate	9.47	163	129647	5.641	ng	# 98
57) 2,4-Dinitrotoluene	9.76	165	41654	7.002	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.50	198	108	4.650	ng	# 1
67) 4-Bromophenyl-phenylether	10.54	248	27820	4.124	ng	# 1
71) Phenanthrene	11.26	178	112875	3.542	ng	# 94
75) Fluoranthene	12.44	202	380327	11.140	ng	95
78) Pyrene	12.67	202	314727	6.124	ng	100
81) Benzo(a)anthracene	13.85	228	127936	3.028	ng	96
83) Chrysene	13.89	228	171542	4.145	ng	98
86) Indeno(1,2,3-cd)pyrene	16.62	276	106978	3.032	ng	# 90
88) Benzo(b)fluoranthene	14.87	252	321499	8.522	ng	98
89) Benzo(k)fluoranthene	14.87	252	321499	9.408	ng	99
90) Benzo(a)pyrene	15.21	252	134169	4.021	ng	98
92) Benzo(g,h,i)perylene	17.03	276	105093	3.675	ng	96

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

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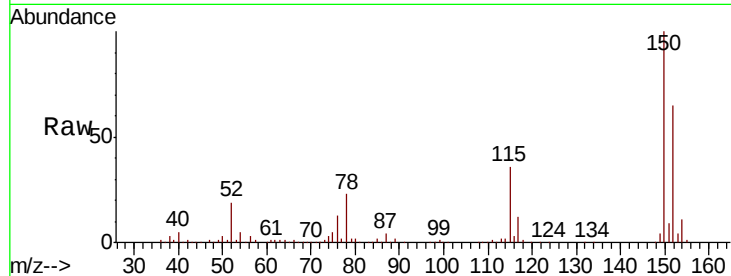


#1

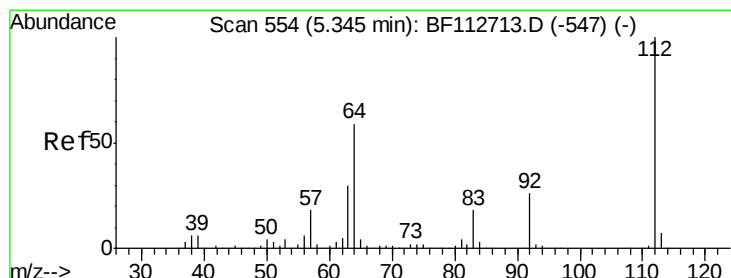
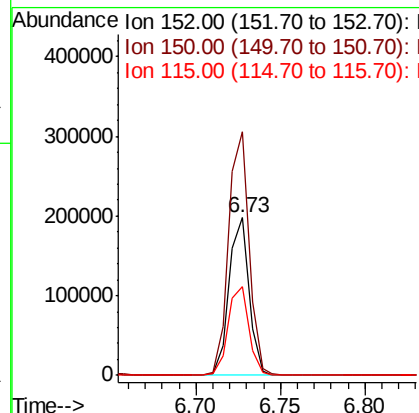
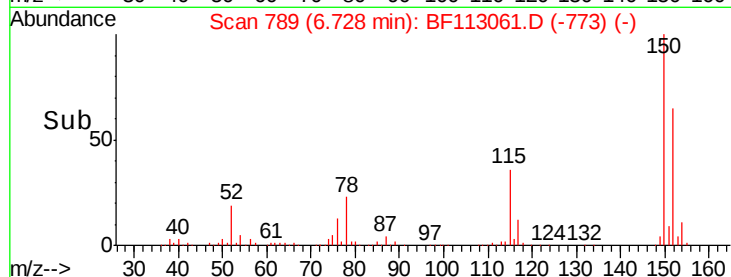
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Instrument :
BNA_F
ClientSampleId :
RT5124

Tgt Ion:152 Resp: 164245
Ion Ratio Lower Upper
152 100
150 154.4 124.2 186.2
115 55.9 48.2 72.4



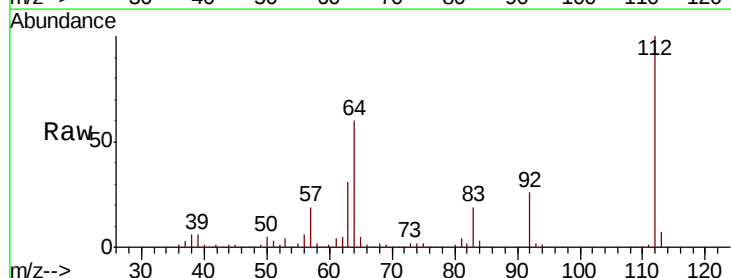
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



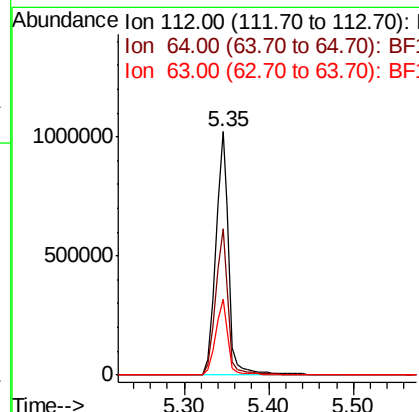
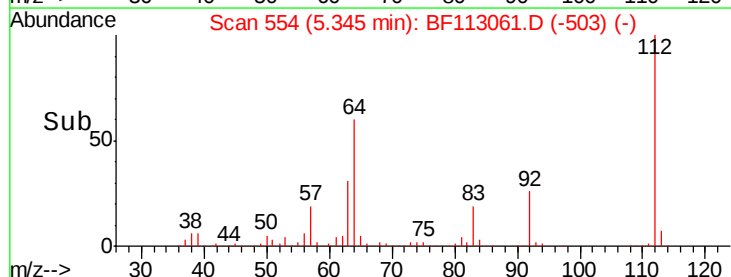
#5

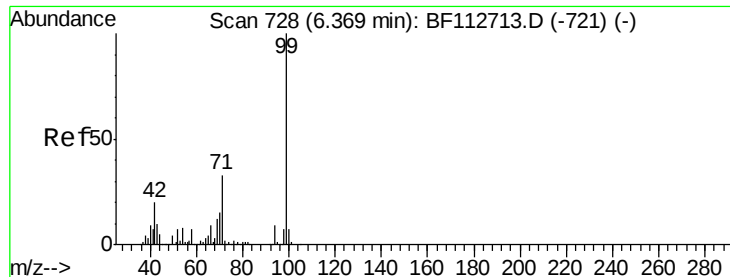
2-Fluorophenol
Concen: 106.265 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Tgt Ion:112 Resp: 1122016
Ion Ratio Lower Upper
112 100
64 60.2 47.6 71.4
63 31.1 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: 115.135 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

Instrument :

BNA_F

ClientSampleId :

RT5124

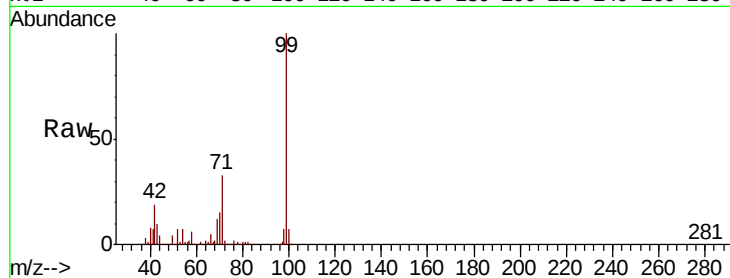
Tgt Ion: 99 Resp: 1527081

Ion Ratio Lower Upper

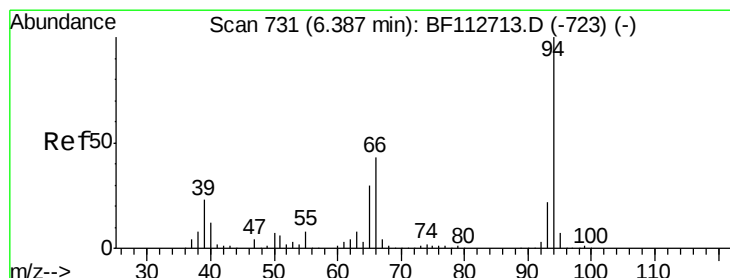
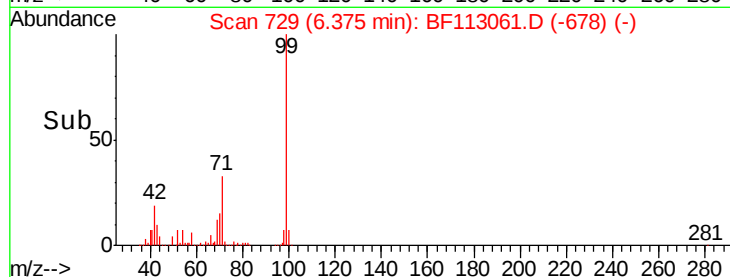
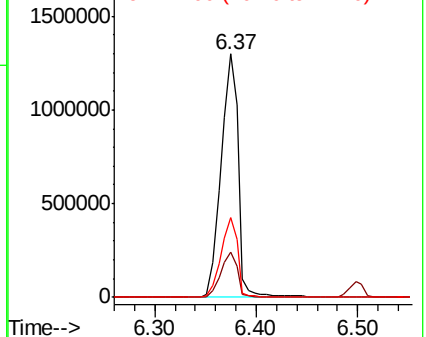
99 100

42 18.7 16.3 24.5

71 32.8 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: 2.044 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

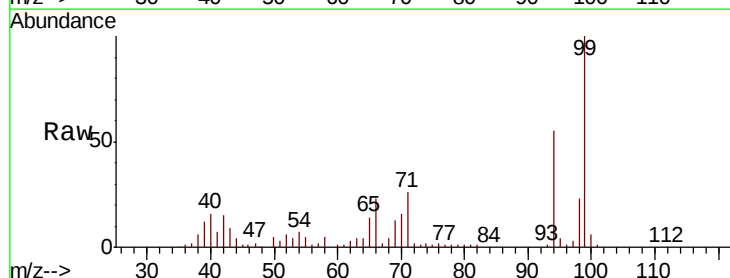
Tgt Ion: 94 Resp: 31640

Ion Ratio Lower Upper

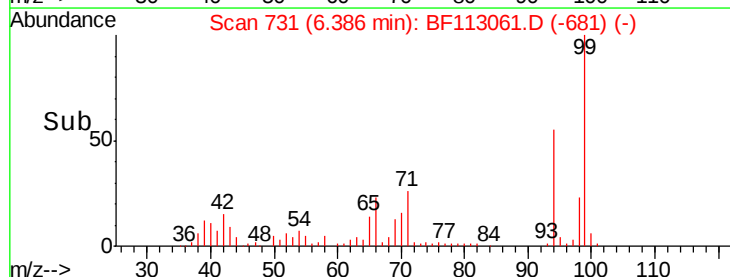
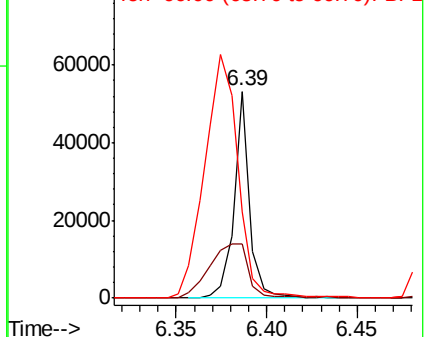
94 100

65 26.2 10.5 50.5

66 41.6 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

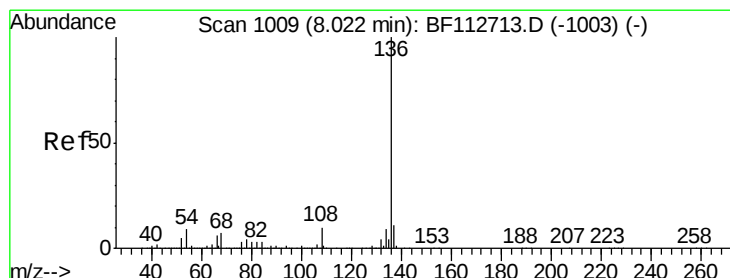
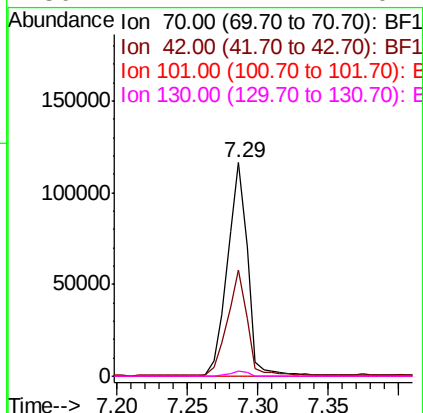
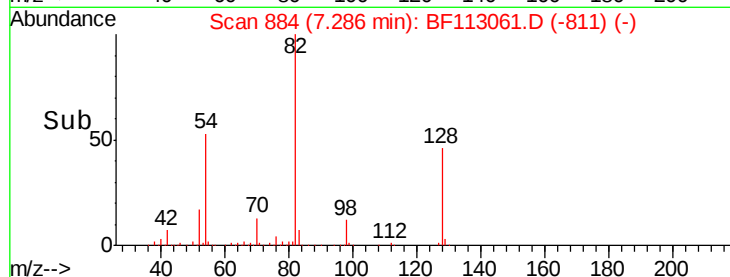
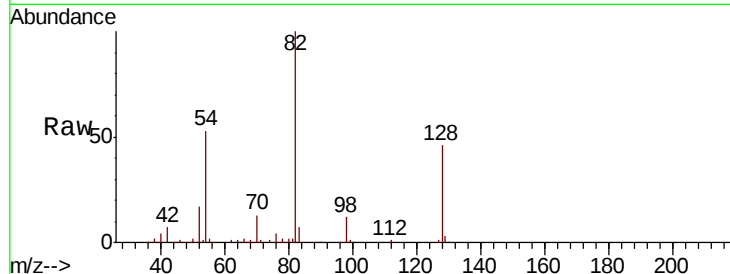




#19
n-Nitroso-di-n-propylamine
Concen: 13.952 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.13 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

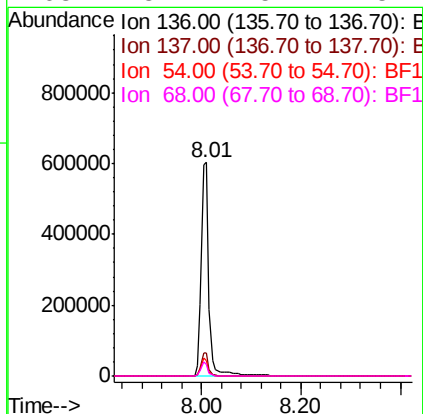
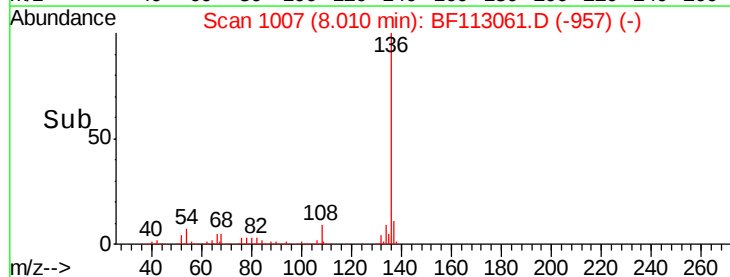
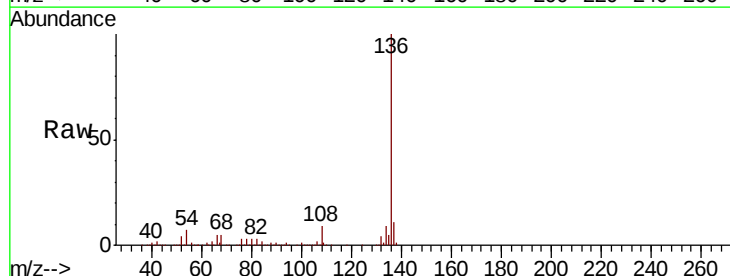
Instrument :
BNA_F
ClientSampleId :
RT5124

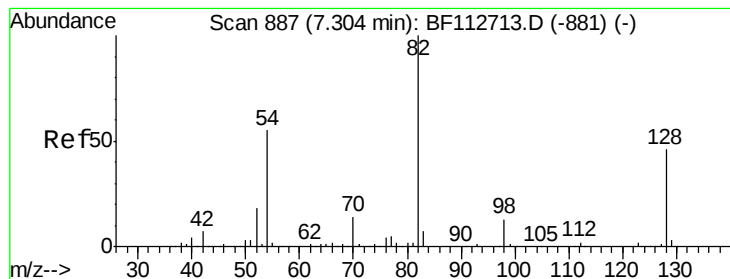
Tgt Ion: 70 Resp: 117199
Ion Ratio Lower Upper
70 100
42 49.9 49.9 74.9#
101 0.0 7.4 11.2#
130 2.4 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Tgt Ion: 136 Resp: 641772
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.3 7.3 10.9
68 5.4 5.4 8.2#





#23

Nitrobenzene-d5

Concen: 82.822 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

Instrument :

BNA_F

ClientSampleID :

RT5124

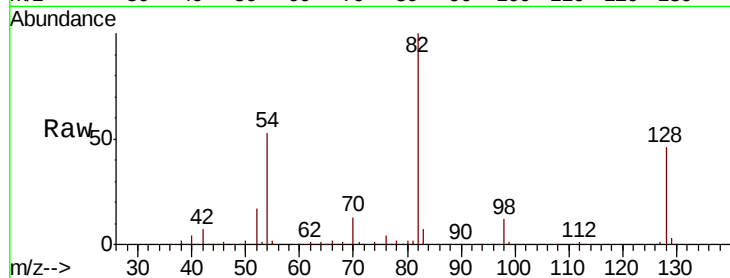
Tgt Ion: 82 Resp: 888275

Ion Ratio Lower Upper

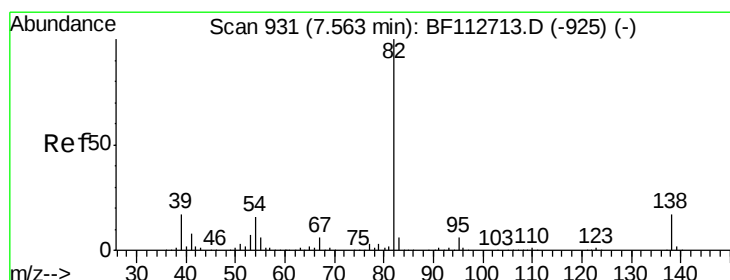
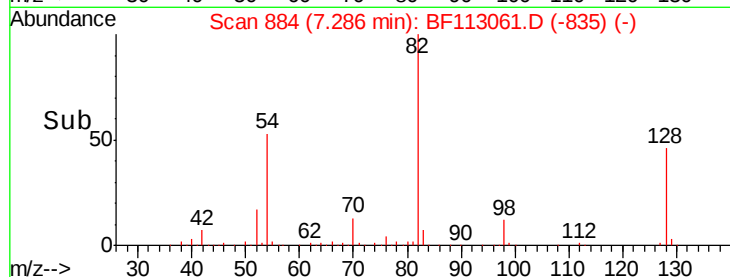
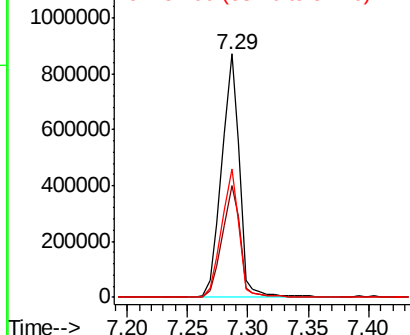
82 100

128 45.7 36.3 54.5

54 52.6 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: 37.412 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.27 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

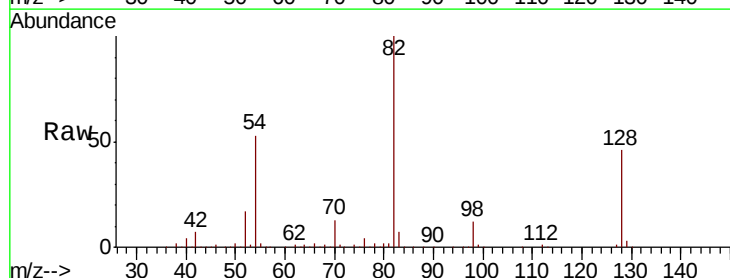
Tgt Ion: 82 Resp: 864425

Ion Ratio Lower Upper

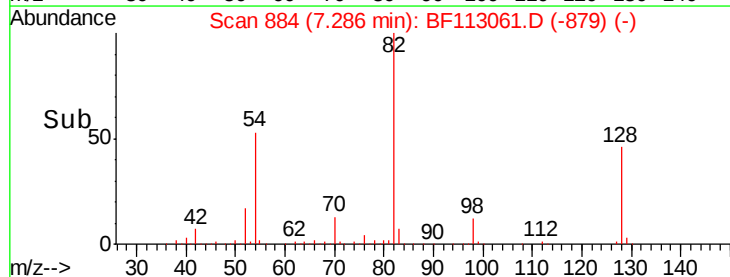
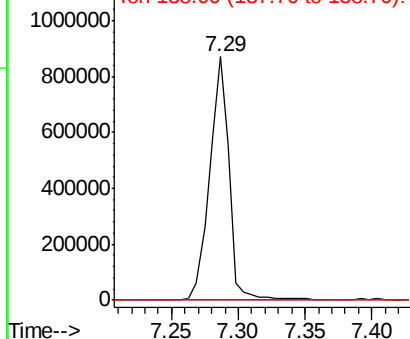
82 100

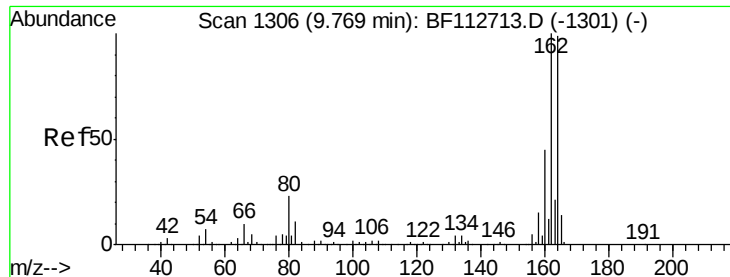
95 0.0 5.2 7.8#

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: BF113061.D

Acq: 15 Mar 2019 13:07

Instrument :

BNA_F

ClientSampleID :

RT5124

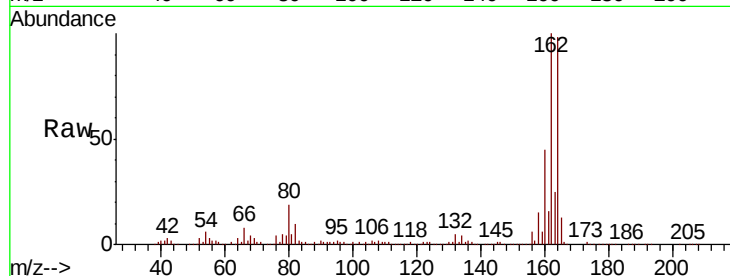
Tgt Ion:164 Resp: 311688

Ion Ratio Lower Upper

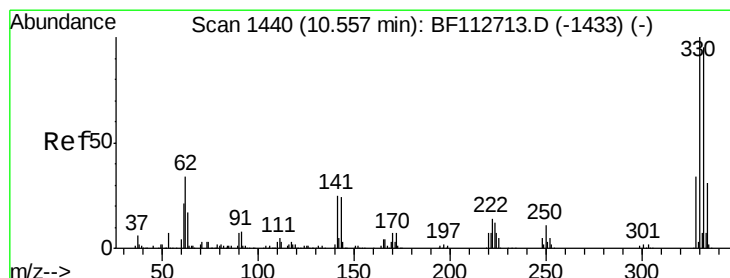
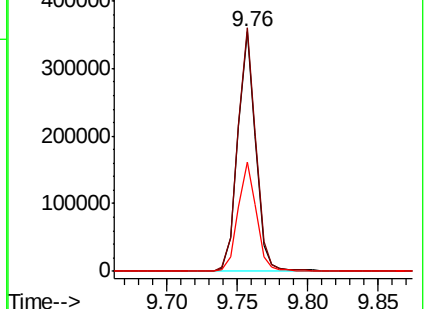
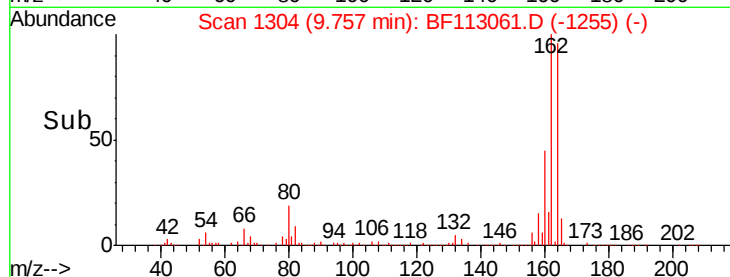
164 100

162 101.7 80.6 120.8

160 45.7 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: 143.785 ng

RT: 10.54 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

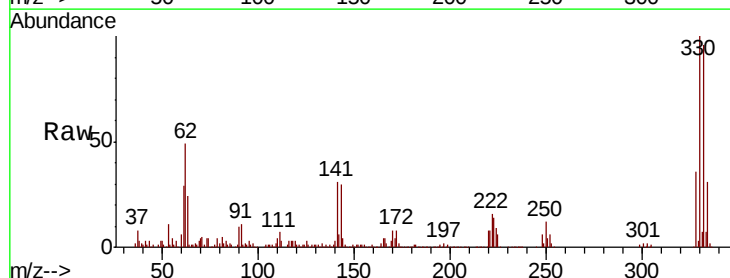
Tgt Ion:330 Resp: 475777

Ion Ratio Lower Upper

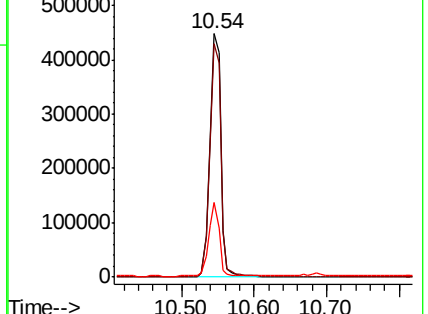
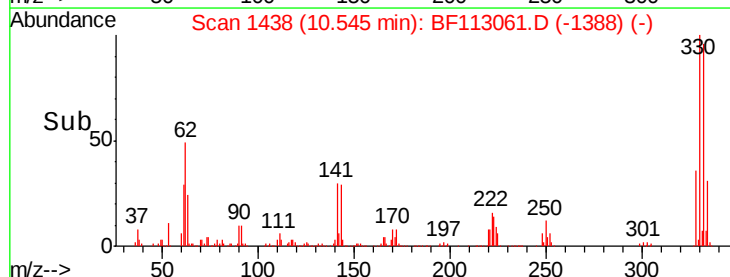
330 100

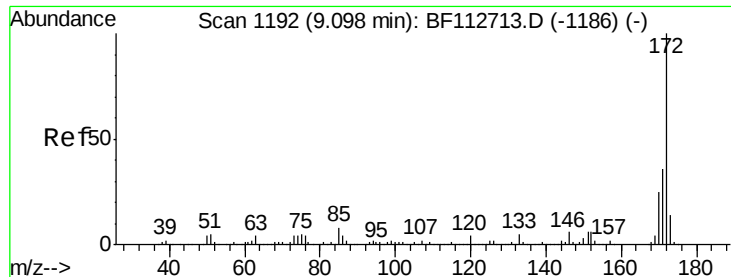
332 96.3 76.2 114.4

141 28.9 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

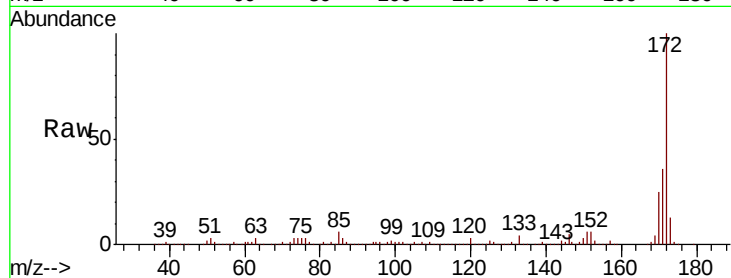




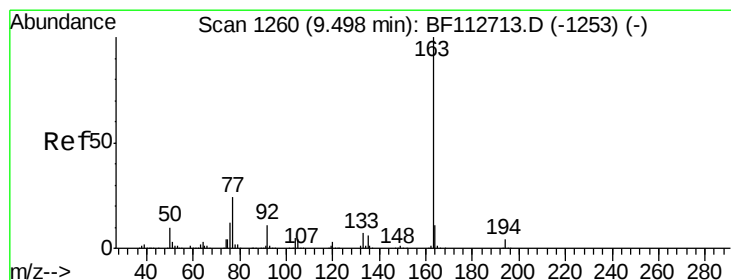
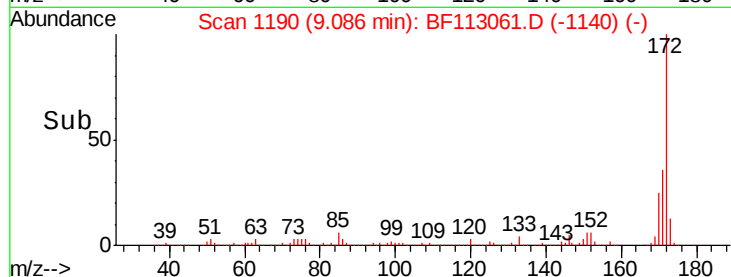
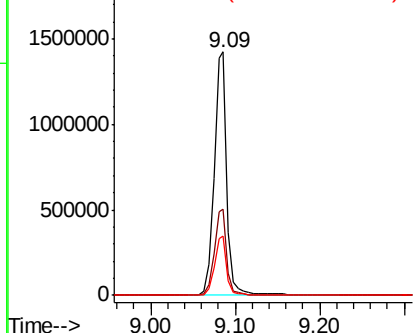
#45
 2-Fluorobiphenyl
 Concen: 79.718 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF113061.D
 Acq: 15 Mar 2019 13:07

Instrument :
 BNA_F
 ClientSampleId :
 RT5124

Tgt Ion:172 Resp: 1524524
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.0 43.4
 170 24.6 20.0 30.0

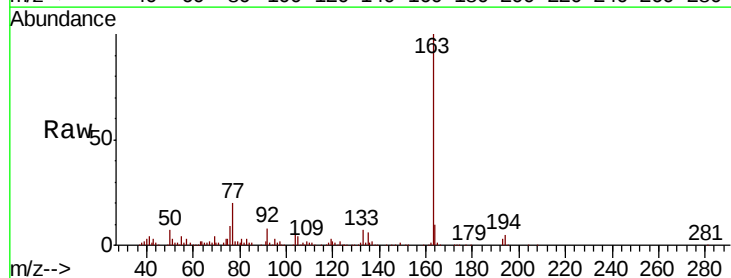


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

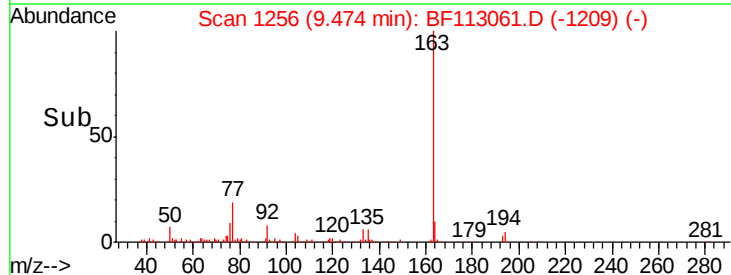
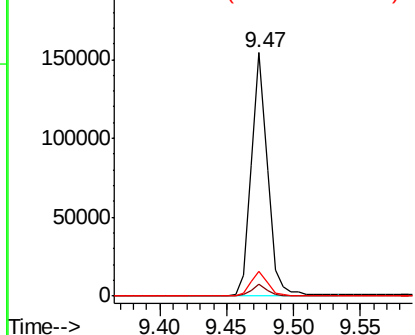


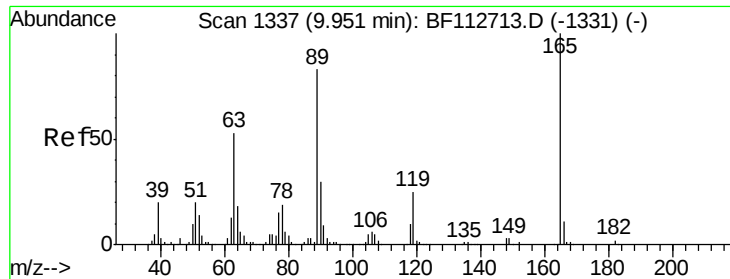
#50
 Dimethylphthalate
 Concen: 5.641 ng
 RT: 9.47 min Scan# 1256
 Delta R.T. -0.02 min
 Lab File: BF113061.D
 Acq: 15 Mar 2019 13:07

Tgt Ion:163 Resp: 129647
 Ion Ratio Lower Upper
 163 100
 194 4.8 3.0 4.4#
 164 9.9 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

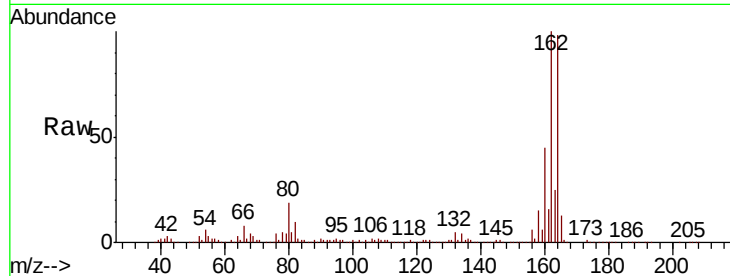




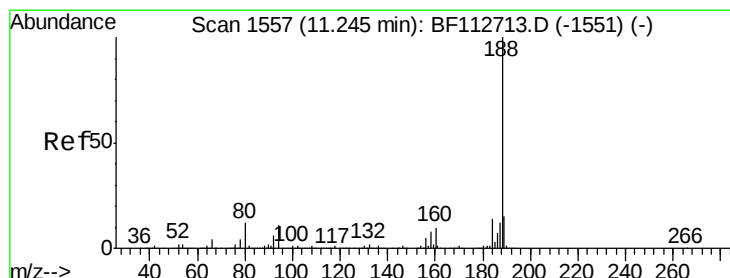
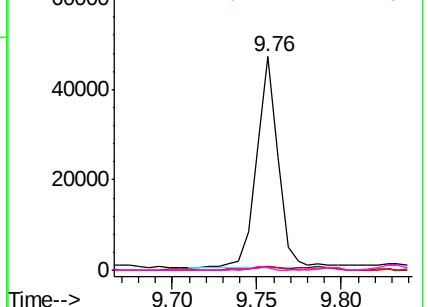
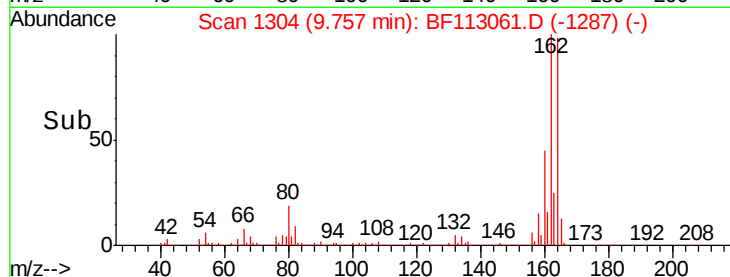
#57
 2,4-Dinitrotoluene
 Concen: 7.002 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF113061.D
 Acq: 15 Mar 2019 13:07

Instrument :
 BNA_F
 ClientSampleId :
 RT5124

Tgt Ion:	165	Resp:	41654
Ion	Ratio	Lower	Upper
165	100		
63	1.7	42.2	63.2#
89	1.8	66.2	99.4#
182	1.4	1.8	2.6#

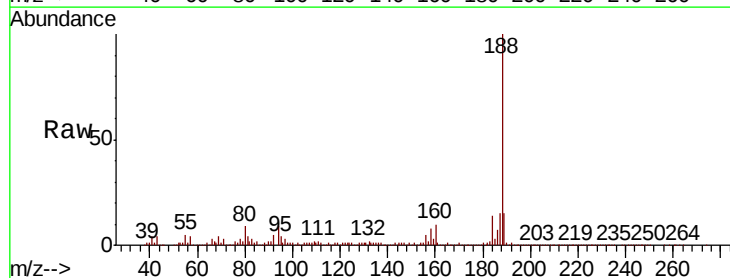


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

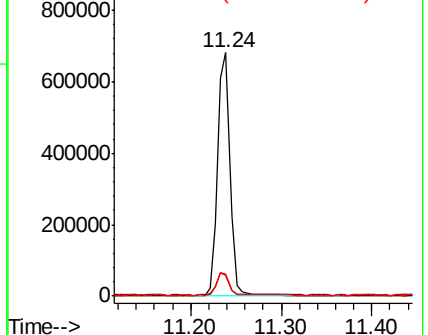
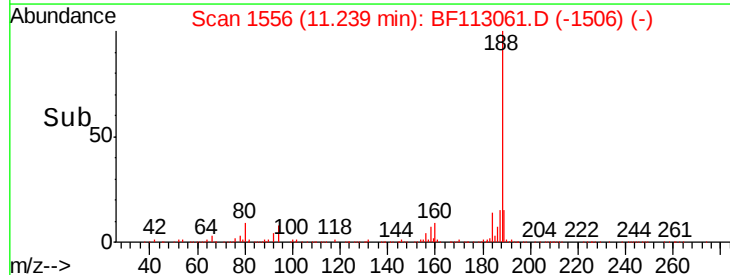


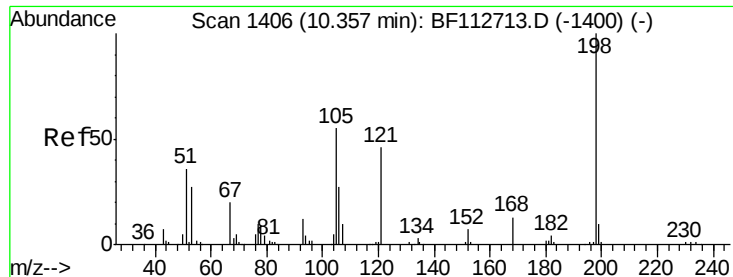
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF113061.D
 Acq: 15 Mar 2019 13:07

Tgt Ion:	188	Resp:	640459
Ion	Ratio	Lower	Upper
188	100		
94	8.6	9.0	13.4#
80	9.1	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

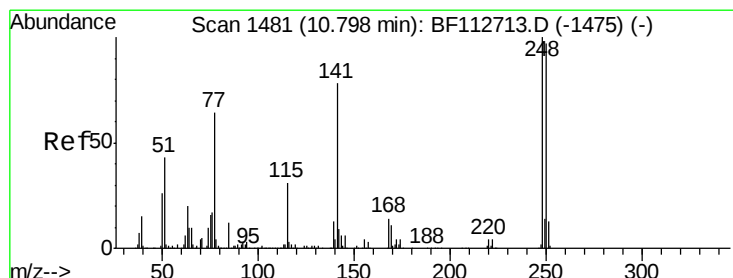
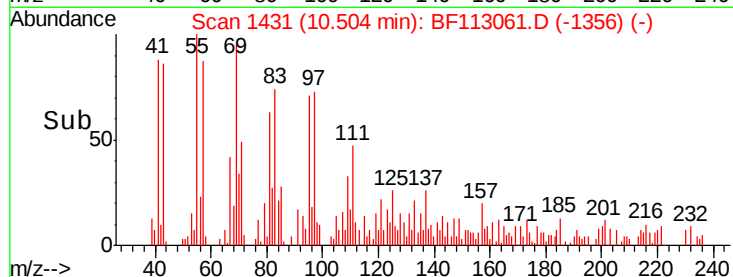
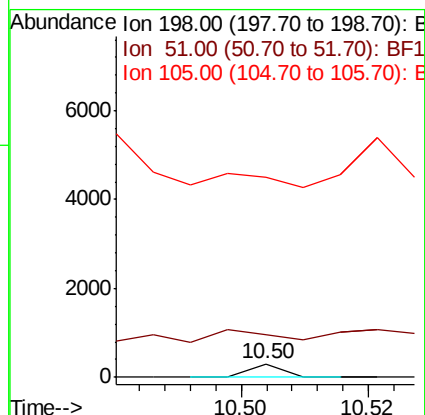
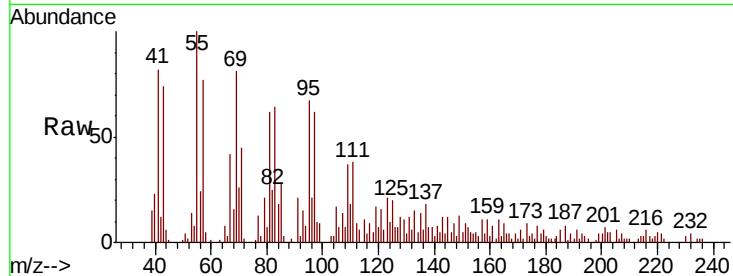




#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.650 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. 0.14 min
 Lab File: BF113061.D
 Acq: 15 Mar 2019 13:07

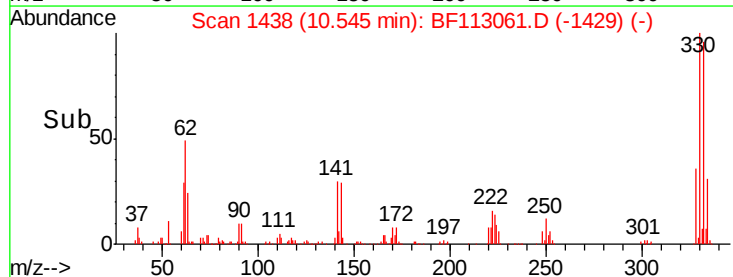
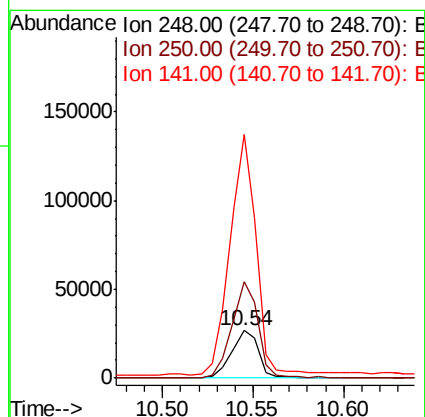
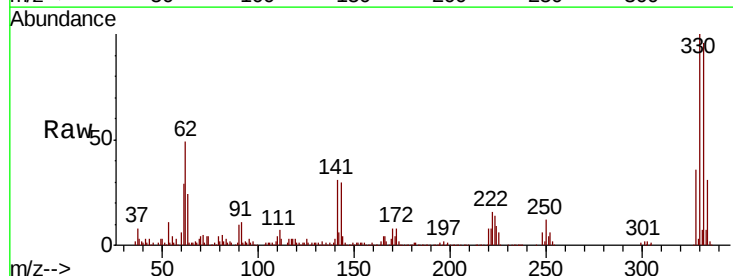
Instrument :
 BNA_F
 ClientSampleId :
 RT5124

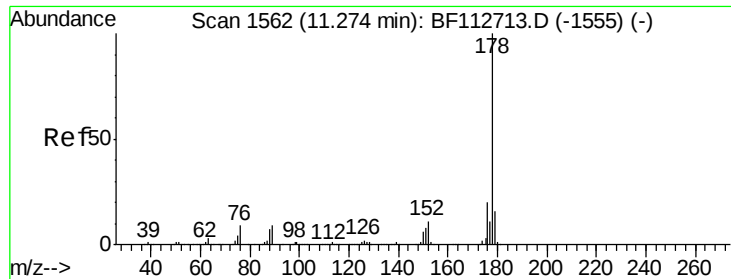
Tgt Ion:198 Resp: 108
 Ion Ratio Lower Upper
 198 100
 51 315.7 43.8 83.8#
 105 1475.7 36.5 76.5#



#67
 4-Bromophenyl-phenylether
 Concen: 4.124 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF113061.D
 Acq: 15 Mar 2019 13:07

Tgt Ion:248 Resp: 27820
 Ion Ratio Lower Upper
 248 100
 250 203.8 77.5 116.3#
 141 513.1 62.4 93.6#

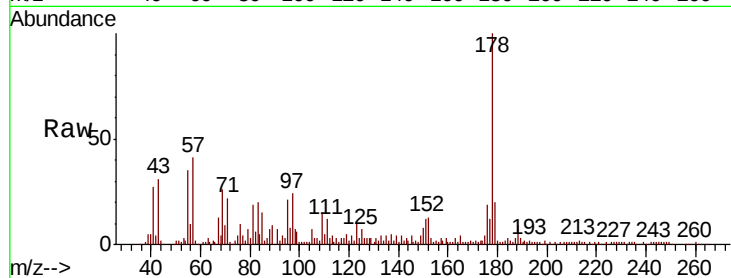




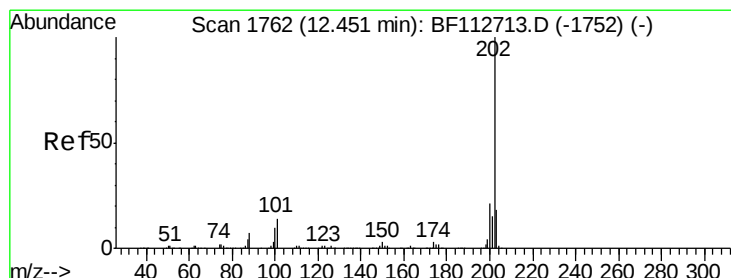
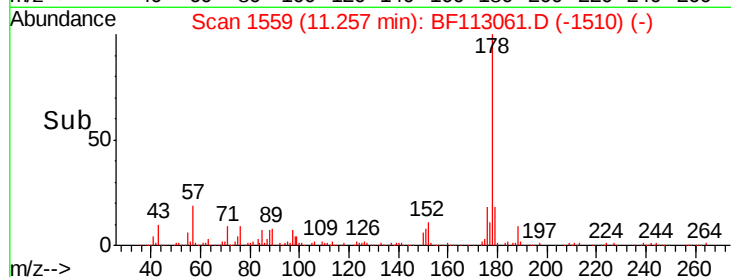
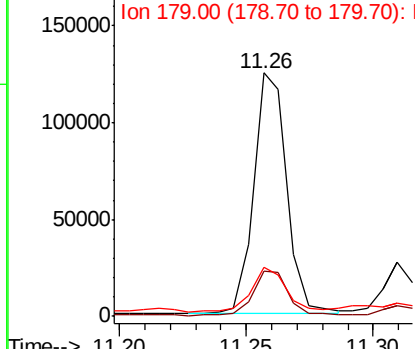
#71
Phenanthrene
Concen: 3.542 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Instrument :
BNA_F
ClientSampleId :
RT5124

Tgt Ion:178 Resp: 112875
Ion Ratio Lower Upper
178 100
176 18.7 16.3 24.5
179 19.9 12.7 19.1#

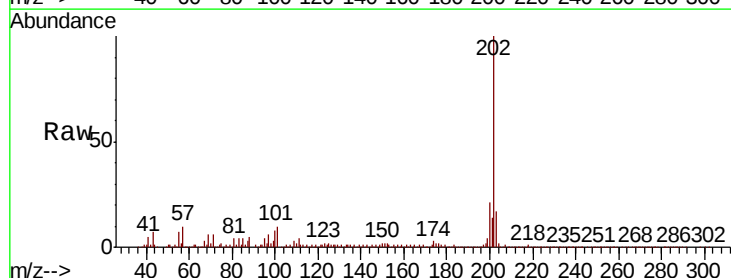


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

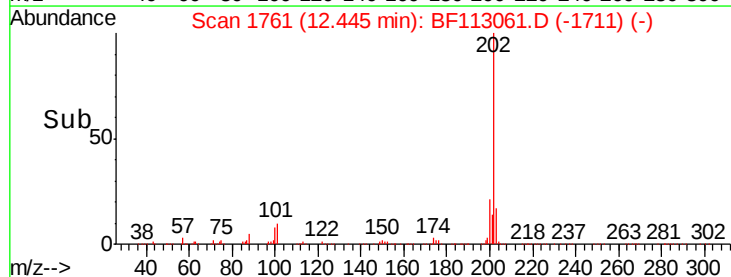
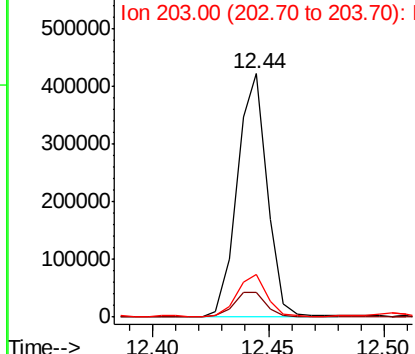


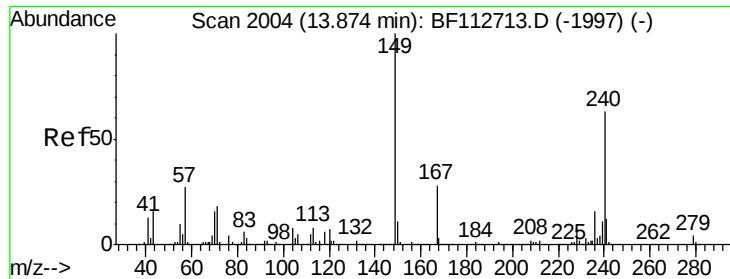
#75
Fluoranthene
Concen: 11.140 ng
RT: 12.44 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Tgt Ion:202 Resp: 380327
Ion Ratio Lower Upper
202 100
101 9.9 0.0 33.8
203 17.4 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

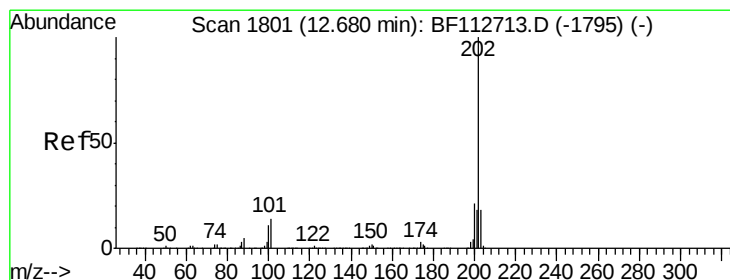
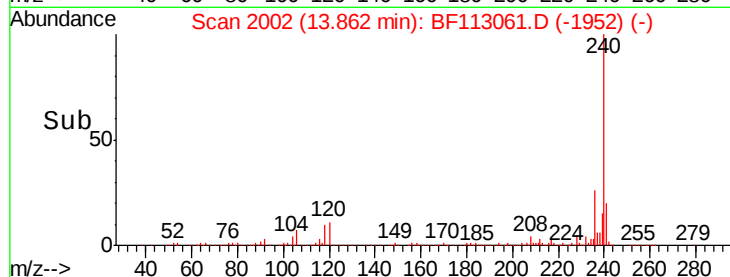
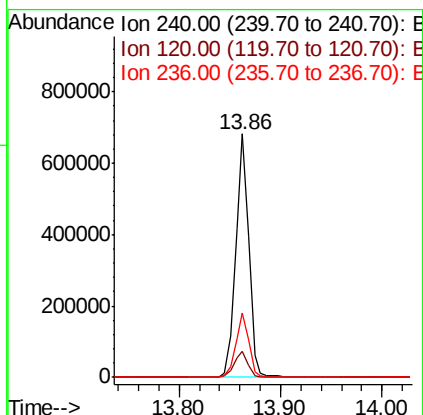
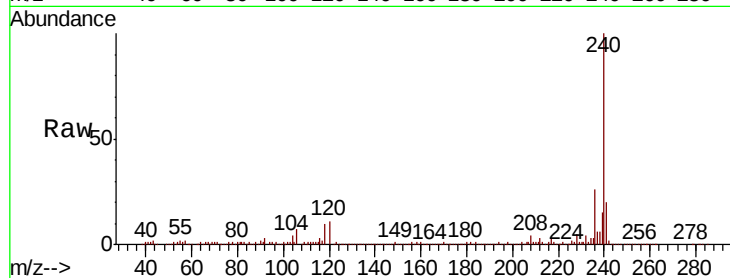




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

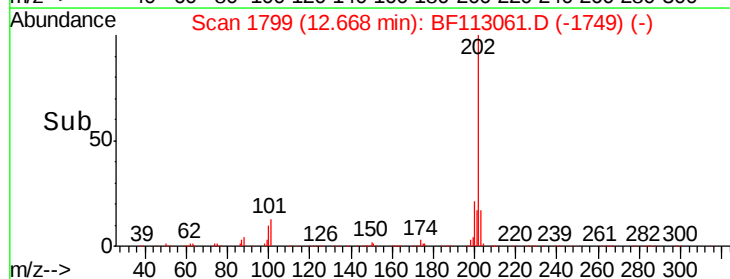
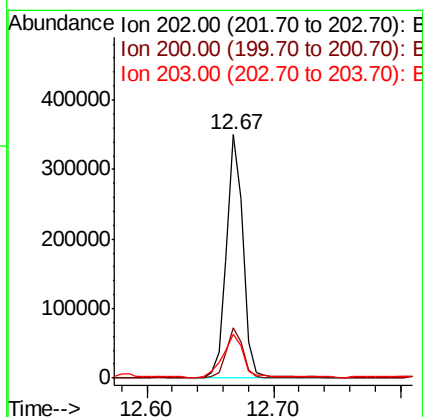
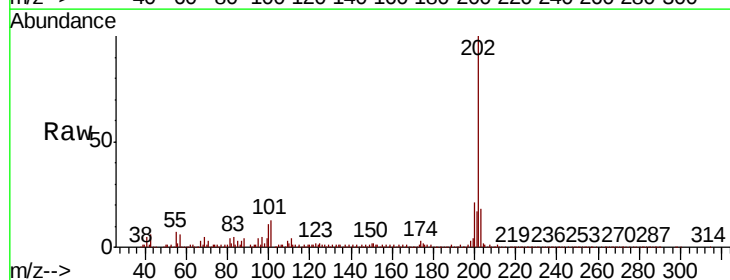
Instrument :
BNA_F
ClientSampleId :
RT5124

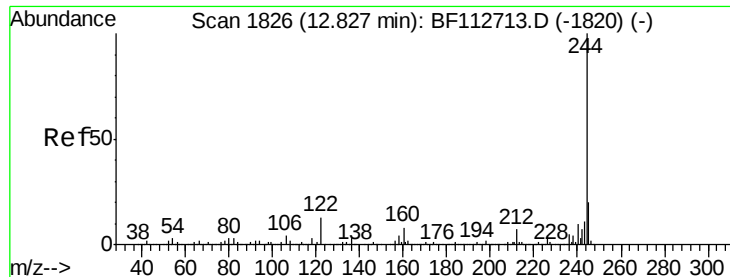
Tgt Ion:240 Resp: 609631
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 26.3 20.7 31.1



#78
Pyrene
Concen: 6.124 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Tgt Ion:202 Resp: 314727
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.9 14.4 21.6





#79

Terphenyl-d14

Concen: 55.380 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

Instrument :

BNA_F

ClientSampleId :

RT5124

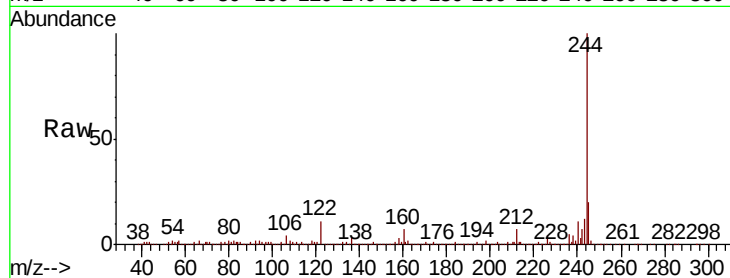
Tgt Ion:244 Resp: 1741626

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

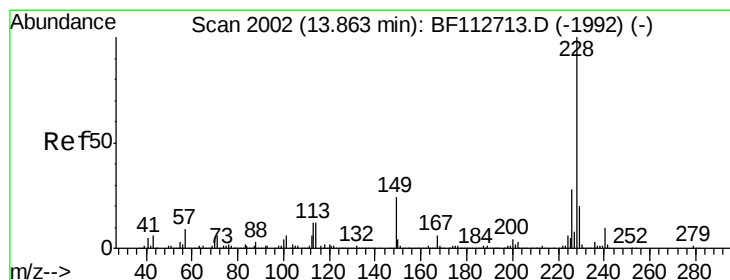
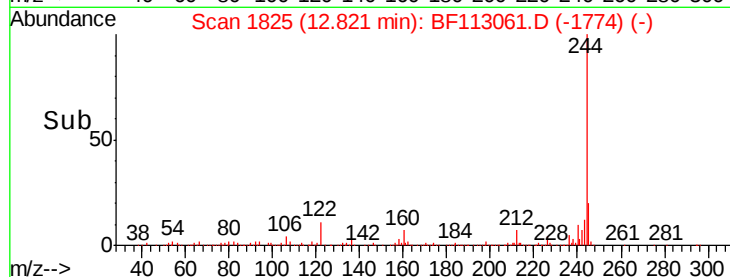
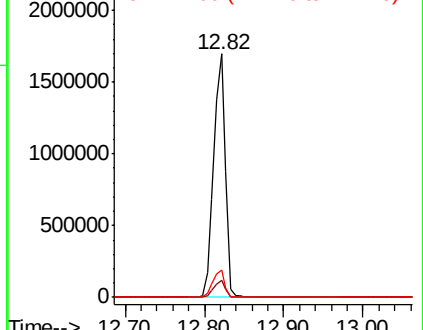
122 11.0 10.5 15.7



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: 3.028 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

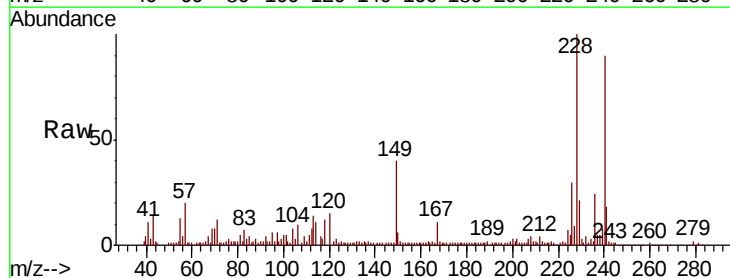
Tgt Ion:228 Resp: 127936

Ion Ratio Lower Upper

228 100

226 30.1 22.2 33.4

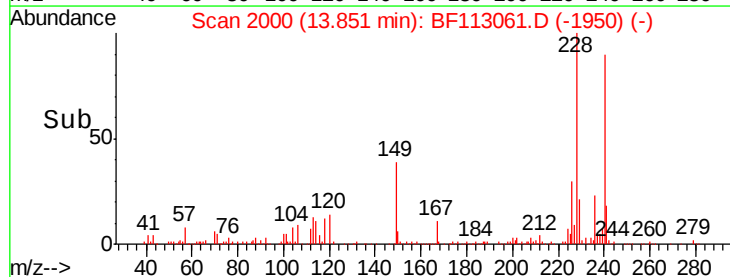
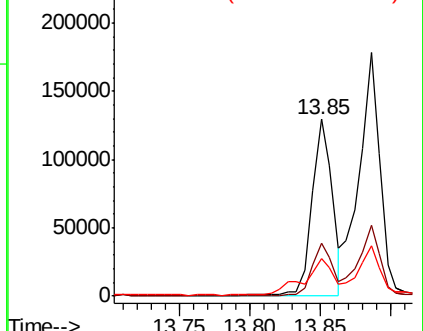
229 21.4 16.0 24.0

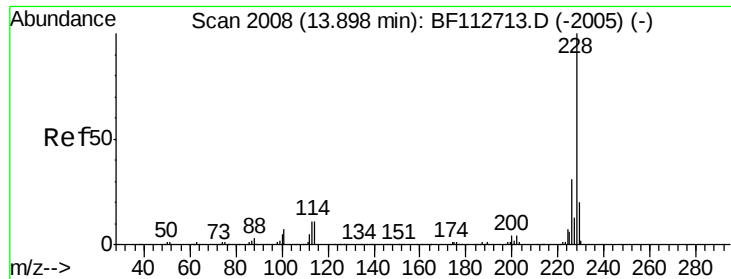


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.145 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

Instrument :

BNA_F

ClientSampleId :

RT5124

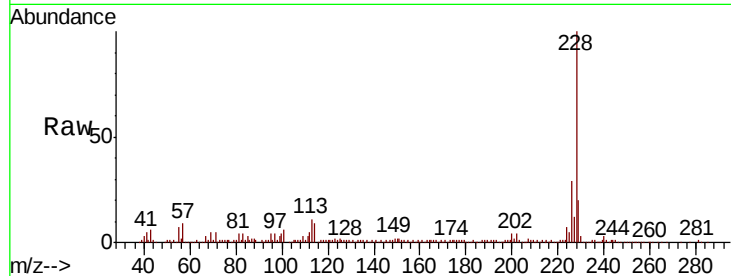
Tgt Ion:228 Resp: 171542

Ion Ratio Lower Upper

228 100

226 29.3 24.9 37.3

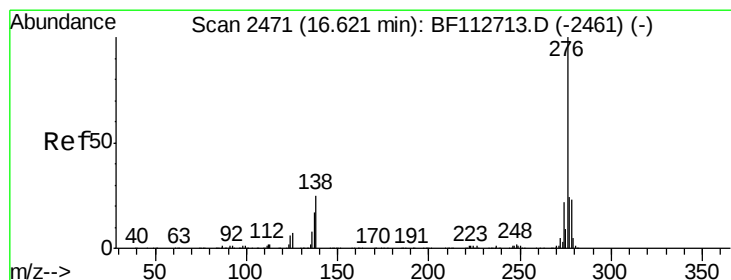
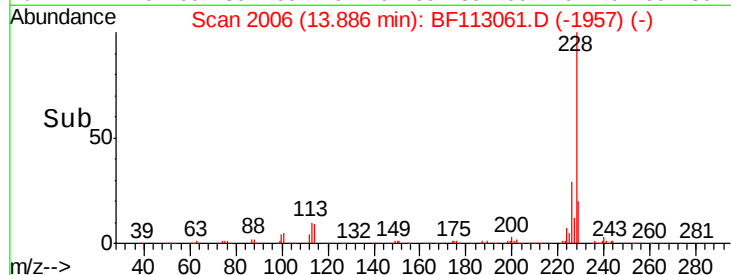
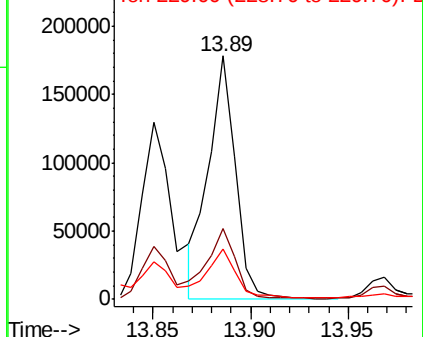
229 20.4 16.3 24.5



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: 3.032 ng

RT: 16.62 min Scan# 2471

Delta R.T. -0.02 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

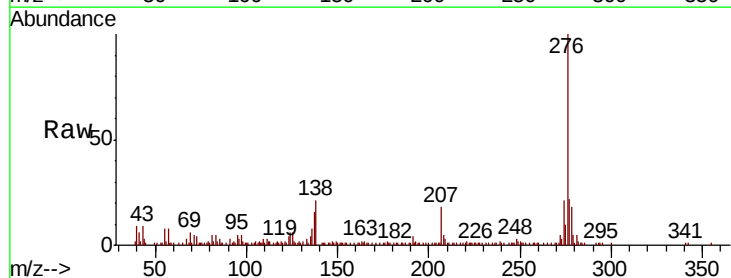
Tgt Ion:276 Resp: 106978

Ion Ratio Lower Upper

276 100

138 21.1 23.2 34.8#

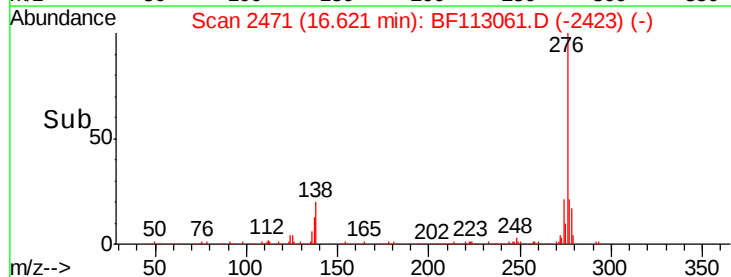
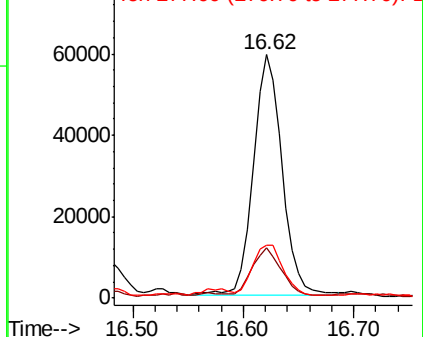
277 23.0 19.9 29.9

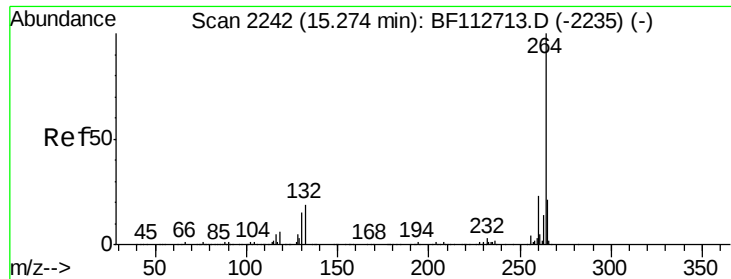


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

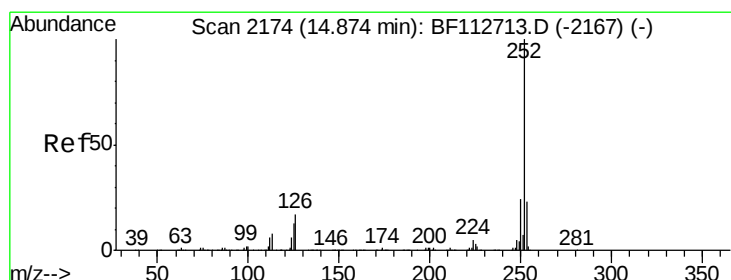
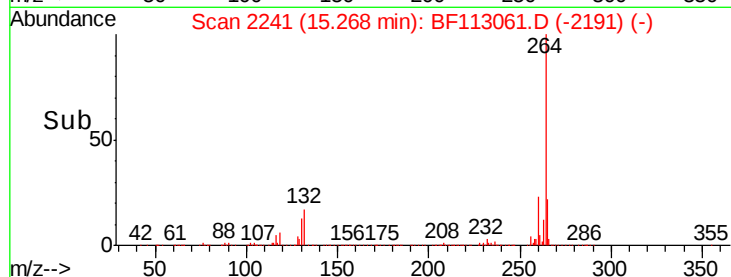
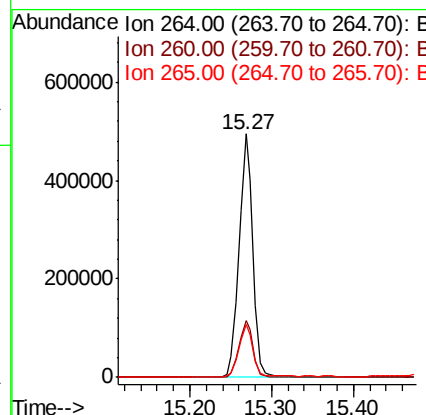
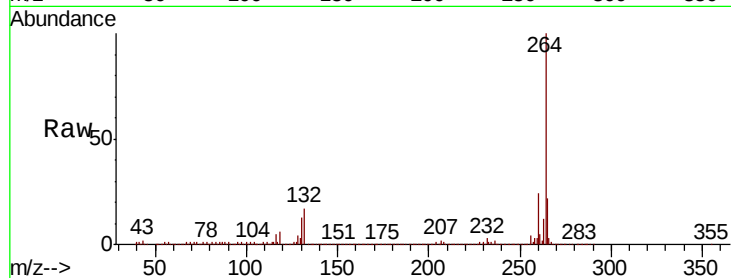




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

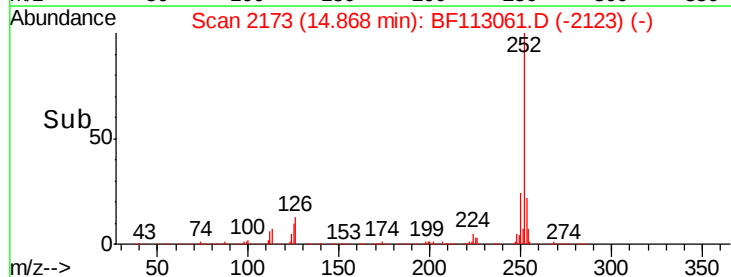
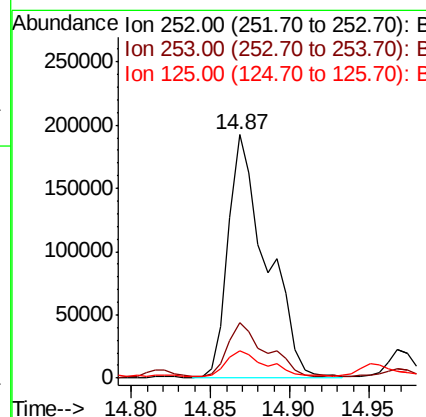
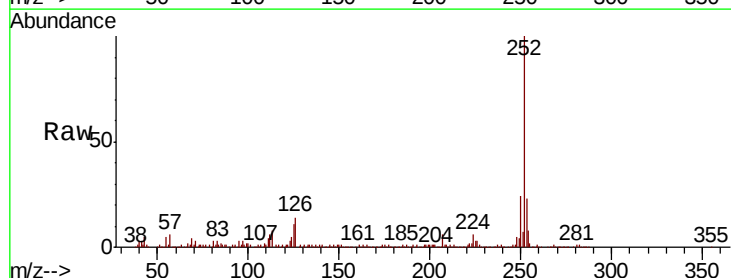
Instrument :
BNA_F
ClientSampleId :
RT5124

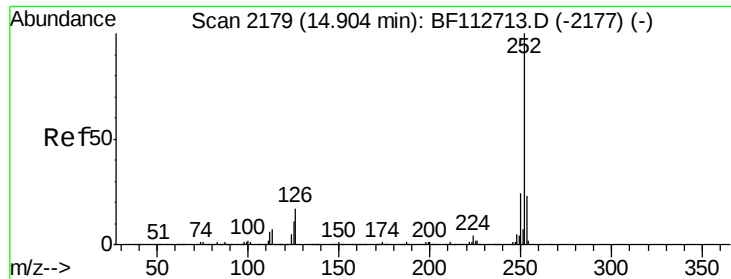
Tgt Ion:264 Resp: 583258
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 21.7 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 8.522 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Tgt Ion:252 Resp: 321499
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 11.0 10.2 15.2





#89

Benzo(k)fluoranthene

Concen: 9.408 ng

RT: 14.87 min Scan# 2173

Delta R.T. -0.04 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

Instrument :

BNA_F

ClientSampleId :

RT5124

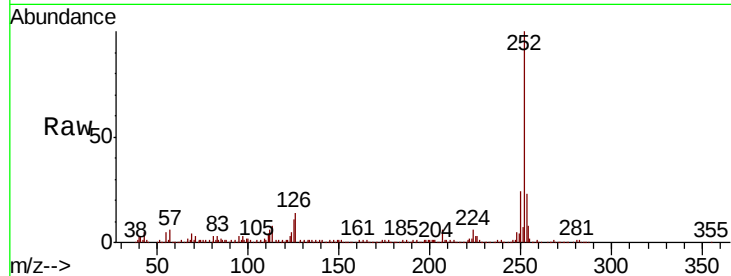
Tgt Ion:252 Resp: 321499

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

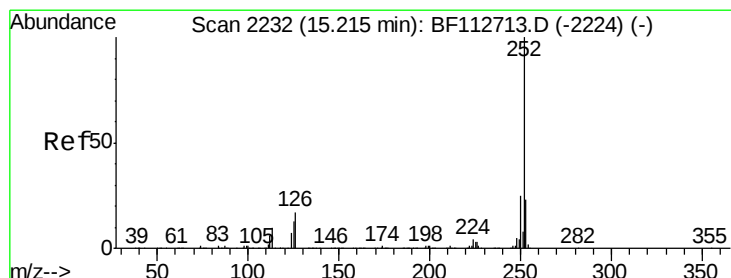
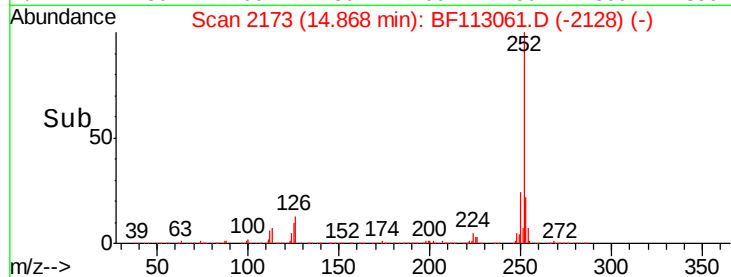
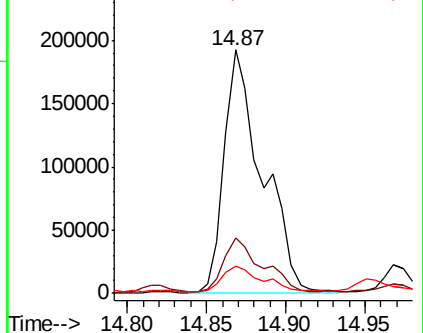
125 11.0 9.8 14.6



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: 4.021 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

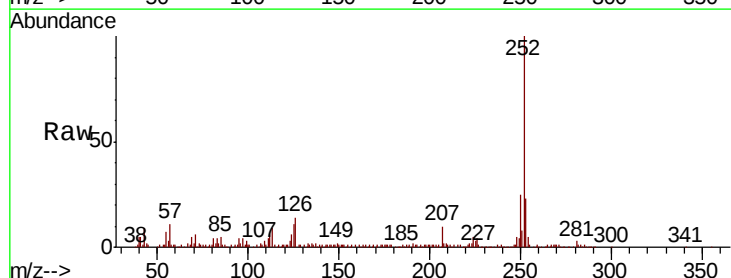
Tgt Ion:252 Resp: 134169

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

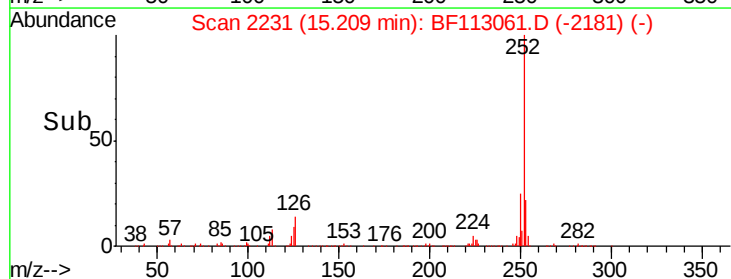
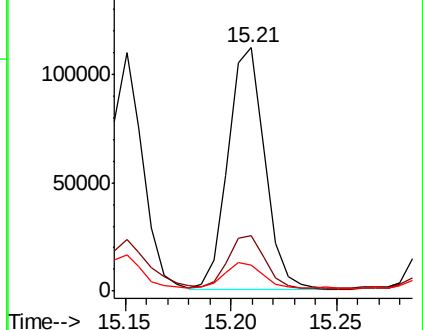
125 10.9 10.7 16.1

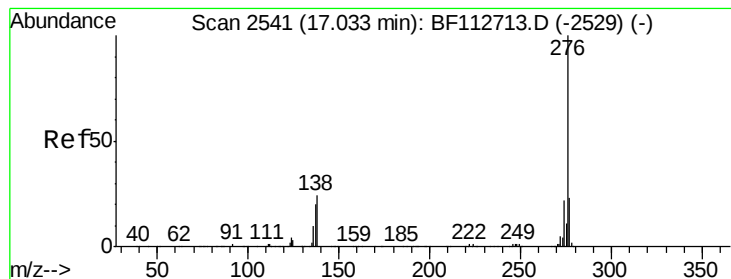


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.675 ng

RT: 17.03 min Scan# 2540

Delta R.T. -0.02 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

Instrument :

BNA_F

ClientSampleId :

RT5124

Tgt Ion: 276 Resp: 105093

Ion Ratio Lower Upper

276 100

277 24.5 18.6 27.8

138 21.4 19.4 29.0

