

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
 Data File : BF111957.D
 Acq On : 9 Jan 2019 18:48
 Operator : JU/SJ
 Sample : K1074-05RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 10 01:53:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	136520	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	488289	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	219626	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	356169	20.00	ng	0.00
76) Chrysene-d12	14.05	240	159592	20.00	ng	0.00
87) Perylene-d12	15.54	264	119533	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	921111	115.43	ng	0.00
7) Phenol-d6	6.53	99	1284896	124.93	ng	0.00
23) Nitrobenzene-d5	7.45	82	788586	86.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	262226	91.79	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1288139	85.53	ng	-0.01
79) Terphenyl-d14	12.99	244	949886	112.98	ng	0.00

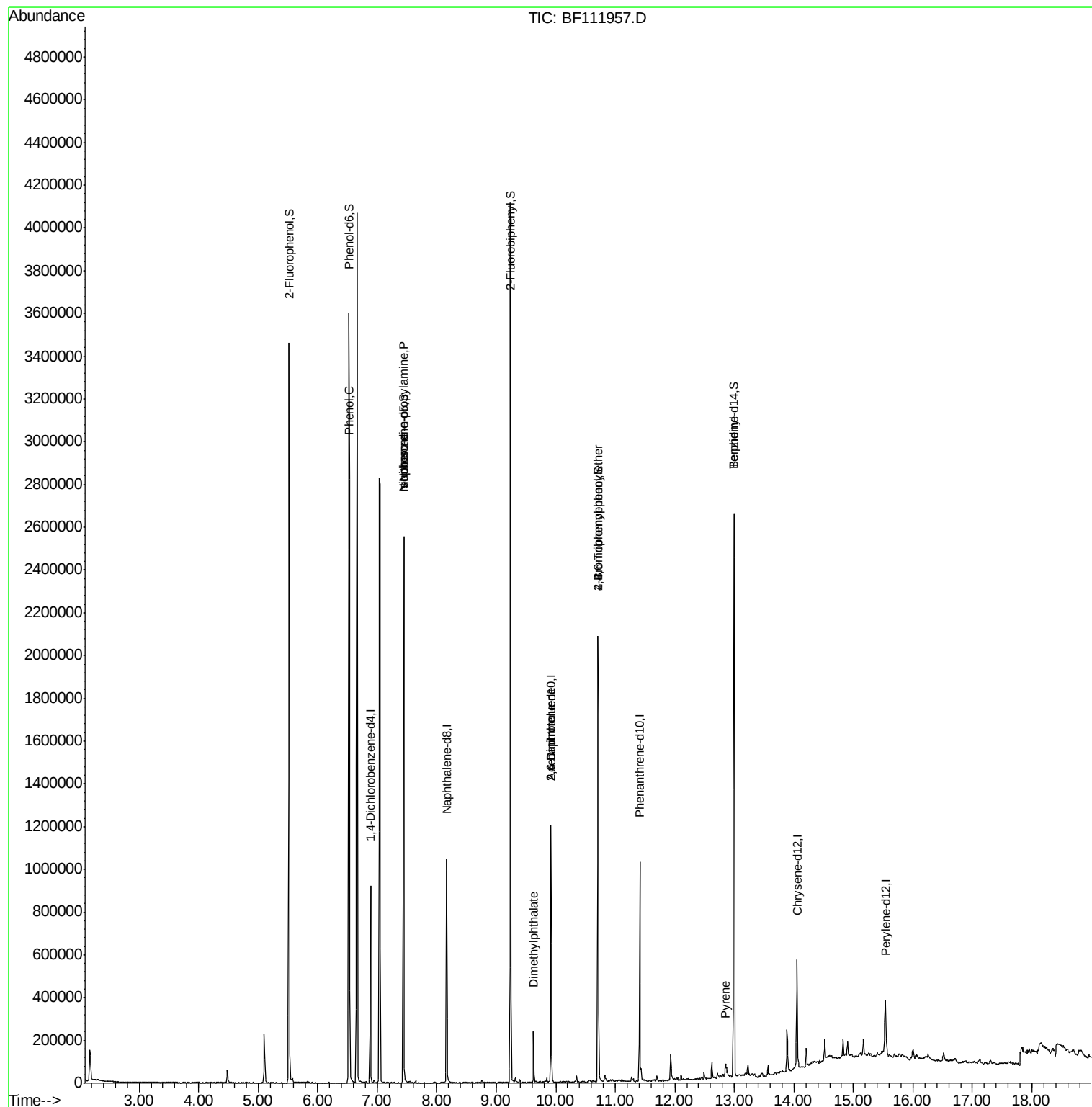
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	2113	Below Cal		# 1
10) Phenol	6.54	94	34930	3.125	ng	79
19) n-Nitroso-di-n-propylamine	7.45	70	106229	15.896	ng	# 78
25) Isophorone	7.45	82	785012	53.061	ng	# 65
50) Dimethylphthalate	9.63	163	86415	5.238	ng	98
51) 2,6-Dinitrotoluene	9.92	165	28301	7.671	ng	# 25
57) 2,4-Dinitrotoluene	9.92	165	28301	5.937	ng	# 26
67) 4-Bromophenyl-phenylether	10.71	248	16337	3.541	ng	# 1
77) Benzidine	12.99	184	11680	2.449	ng	95
78) Pyrene	12.85	202	23496	2.140	ng	98

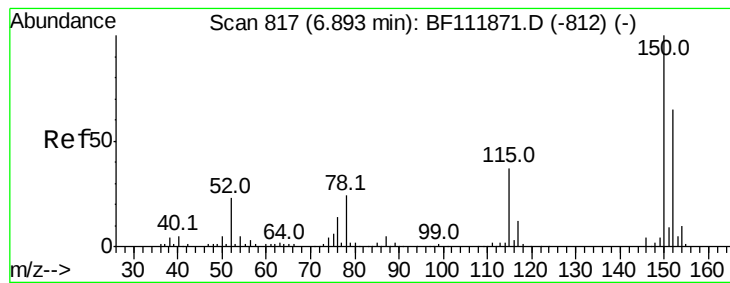
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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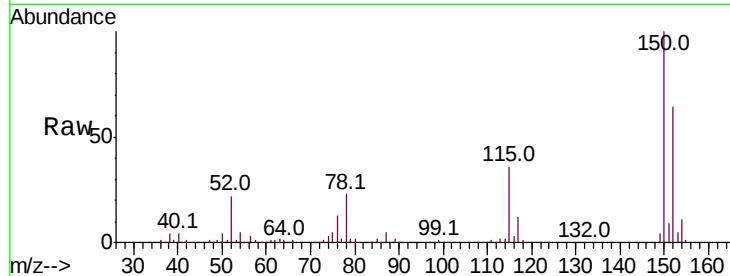


#1

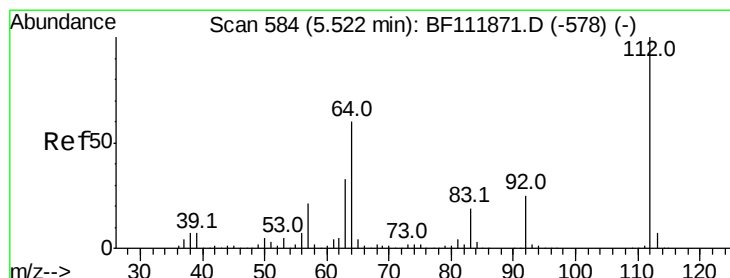
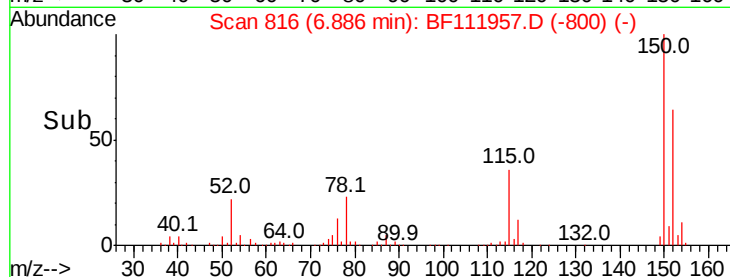
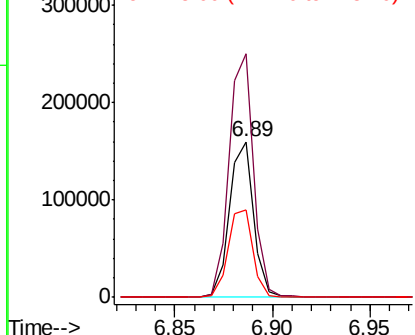
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111957.D
Acq: 9 Jan 2019 18:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136520
Ion Ratio Lower Upper
152 100
150 156.6 122.7 184.1
115 56.6 45.2 67.8



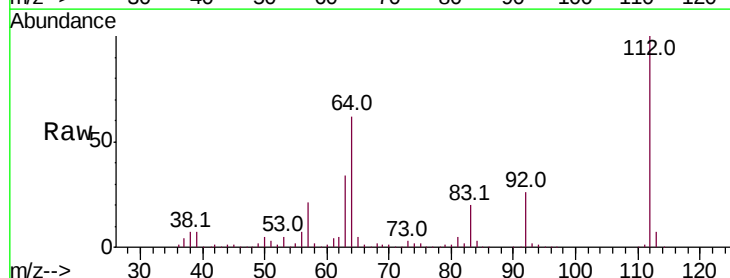
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



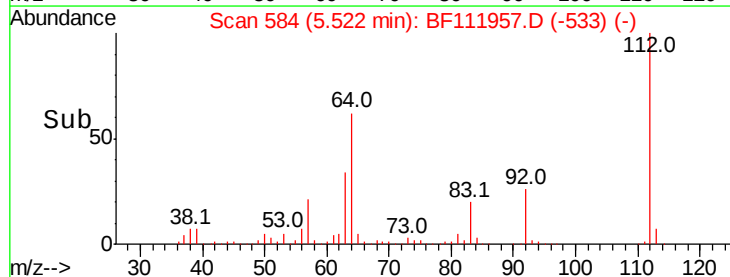
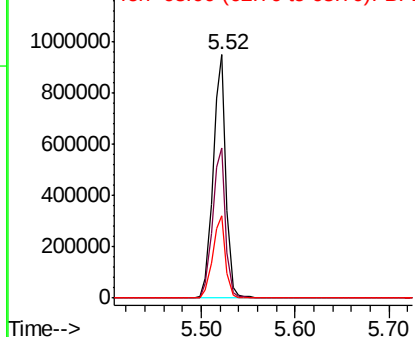
#5

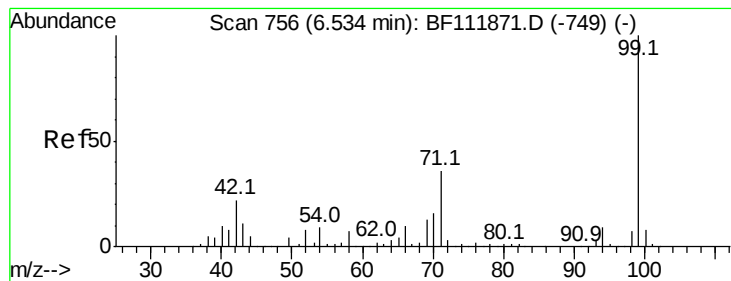
2-Fluorophenol
Concen: 115.430 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF111957.D
Acq: 9 Jan 2019 18:48

Tgt Ion:112 Resp: 921111
Ion Ratio Lower Upper
112 100
64 61.9 48.3 72.5
63 33.8 26.1 39.1



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: 124.929 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111957.D

Acq: 9 Jan 2019 18:48

Instrument :

BNA_F

ClientSampleId :

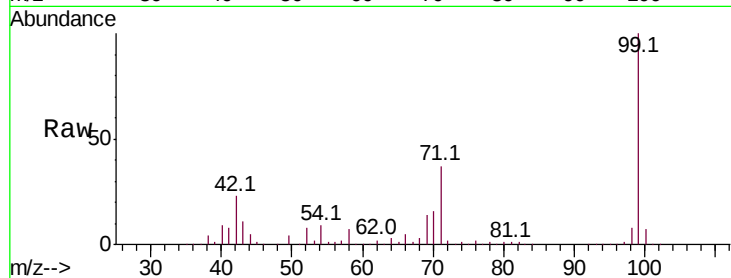
Tot Ion: 99 Resp: 1284896

Ion Ratio Lower Upper

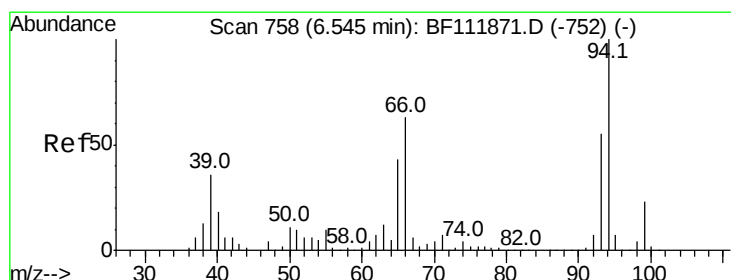
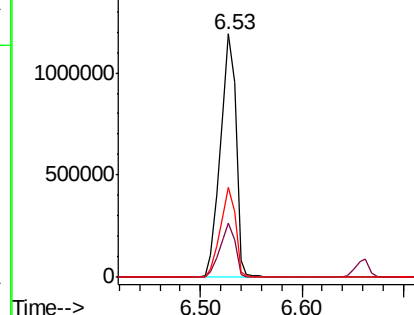
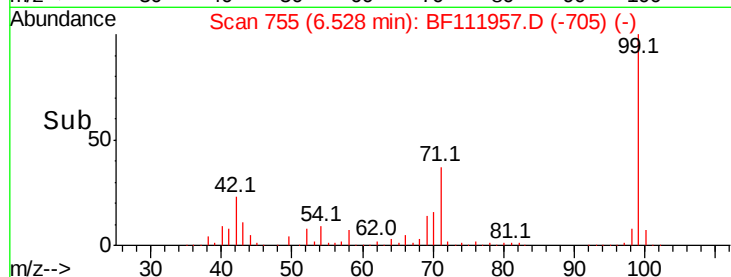
99 100

42 22.5 17.9 26.9

71 37.1 28.7 43.1



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: 3.125 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF111957.D

Acq: 9 Jan 2019 18:48

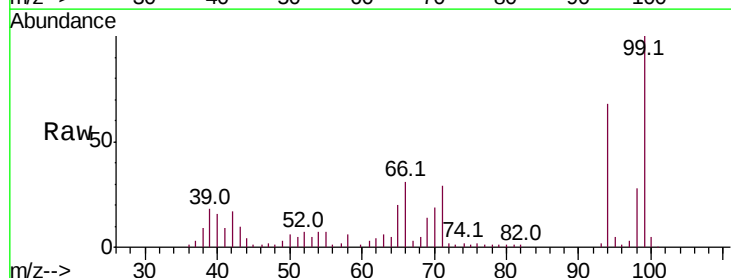
Tgt Ion: 94 Resp: 34930

Ion Ratio Lower Upper

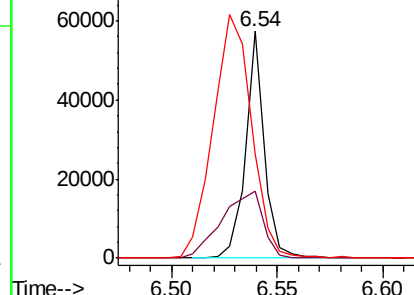
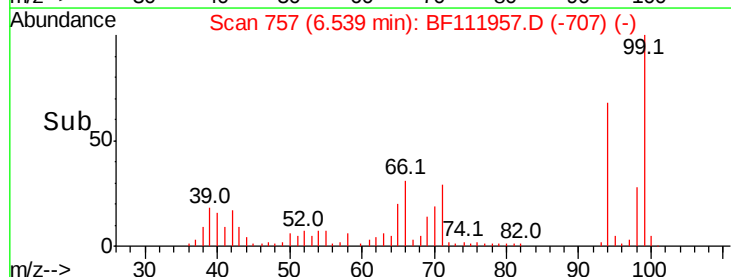
94 100

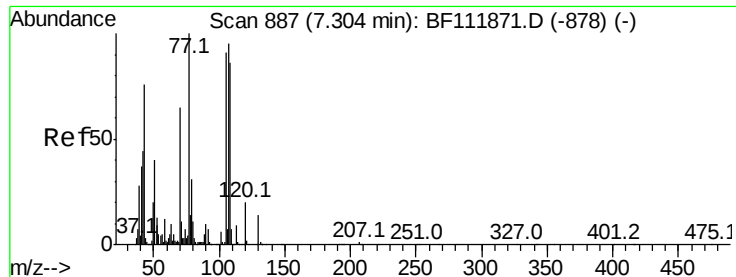
65 29.7 22.8 62.8

66 46.2 43.3 83.3



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: 15.896 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF111957.D

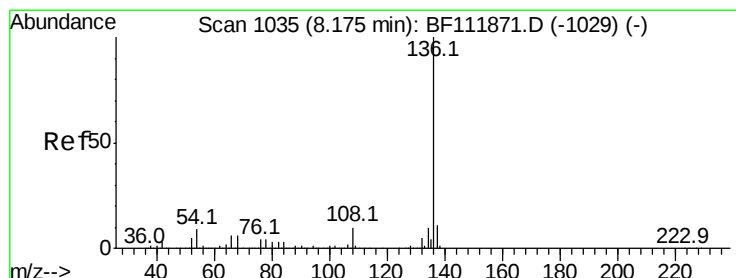
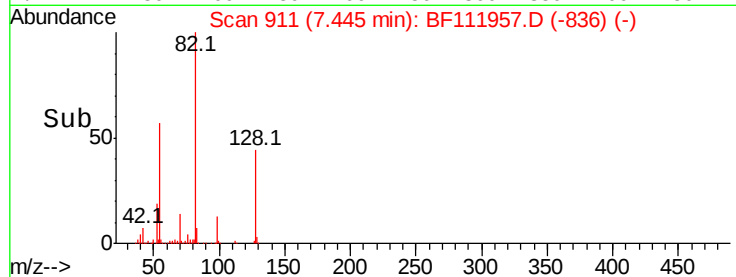
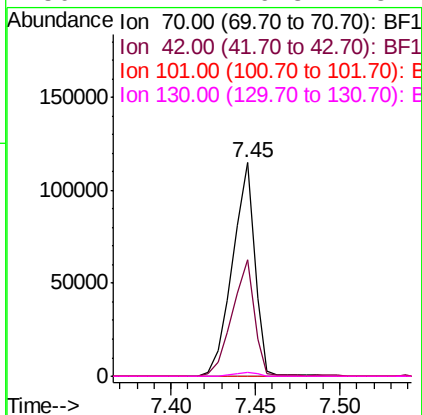
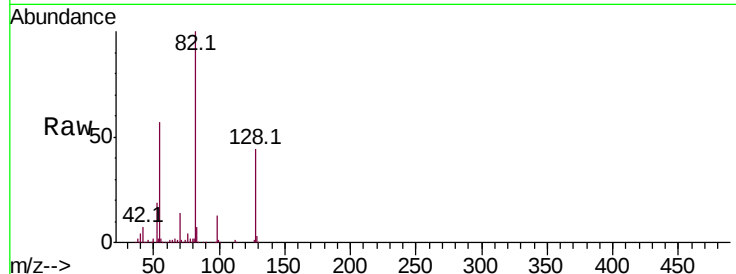
Acq: 9 Jan 2019 18:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	106229
Ion	Ratio	Lower	Upper
70	100		
42	54.7	53.6	80.4
101	0.0	7.3	10.9#
130	2.1	16.8	25.2#



#21

Naphthalene-d8

Concen: 20.000 ng

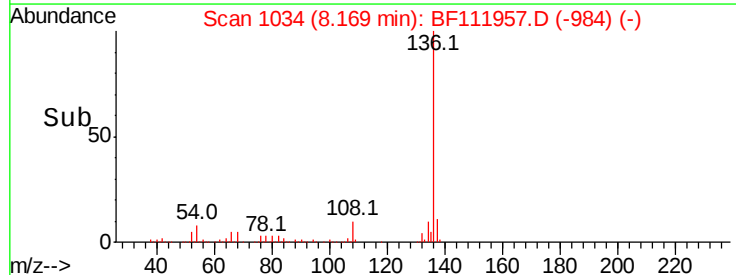
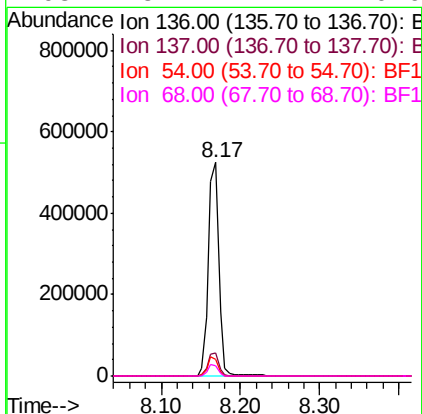
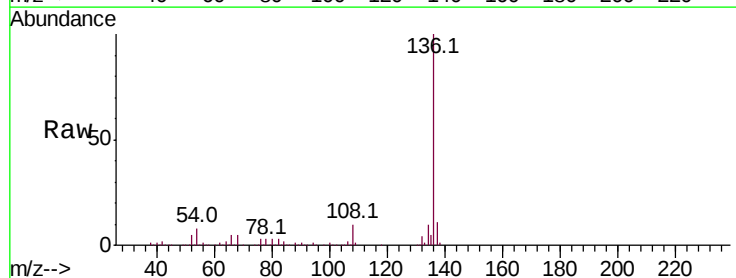
RT: 8.17 min Scan# 1034

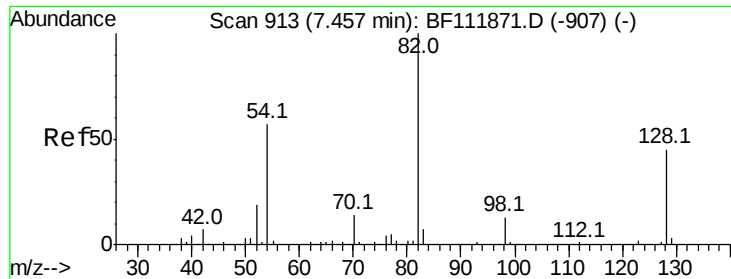
Delta R.T. -0.01 min

Lab File: BF111957.D

Acq: 9 Jan 2019 18:48

Tgt Ion:	136	Resp:	488289
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	8.0	7.2	10.8
68	5.1	4.4	6.6

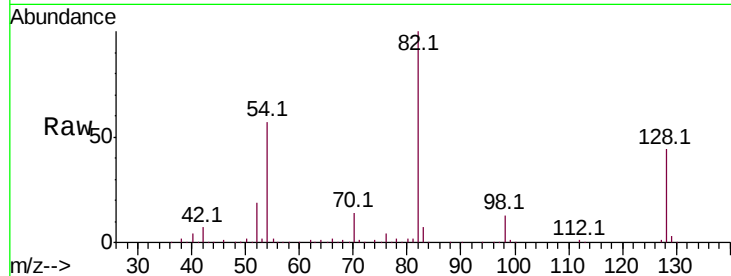




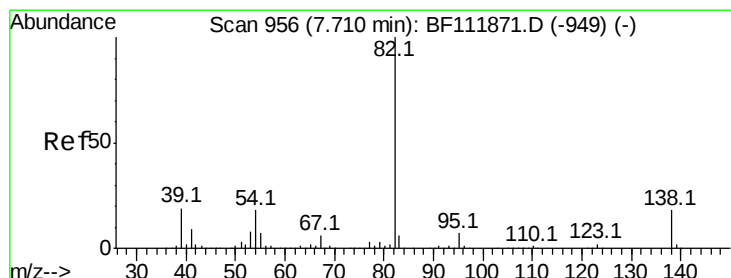
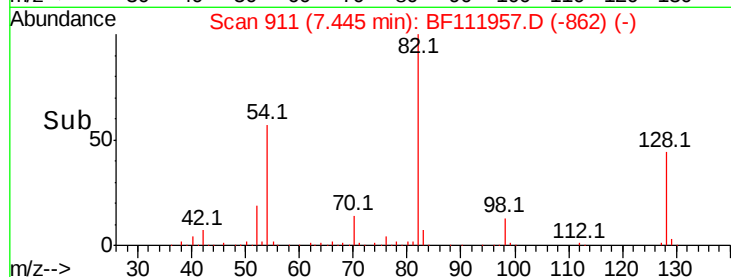
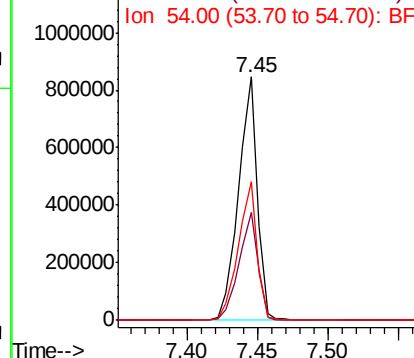
#23
 Nitrobenzene-d5
 Concen: 86.314 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF111957.D
 Acq: 9 Jan 2019 18:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 788586
 Ion Ratio Lower Upper
 82 100
 128 44.2 35.7 53.5
 54 56.8 45.8 68.8

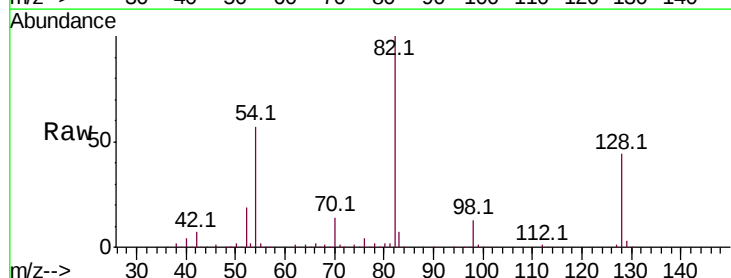


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

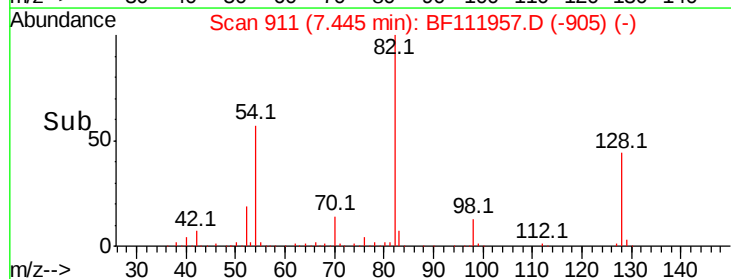
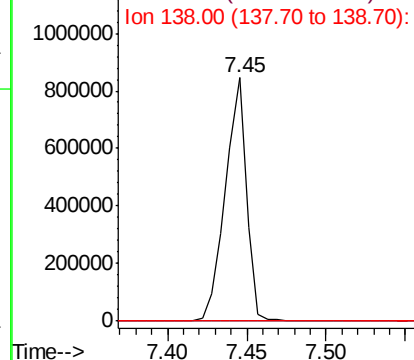


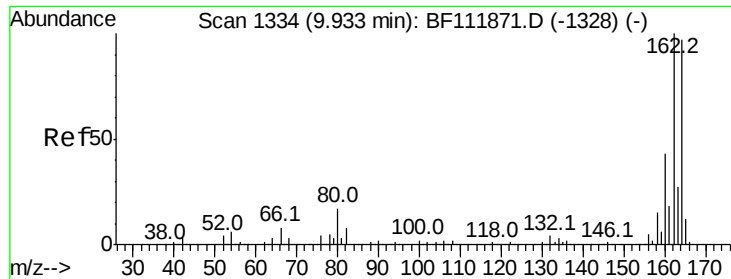
#25
 Isophorone
 Concen: 53.061 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.26 min
 Lab File: BF111957.D
 Acq: 9 Jan 2019 18:48

Tgt Ion: 82 Resp: 785012
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.8 8.6#
 138 0.0 14.4 21.6#



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

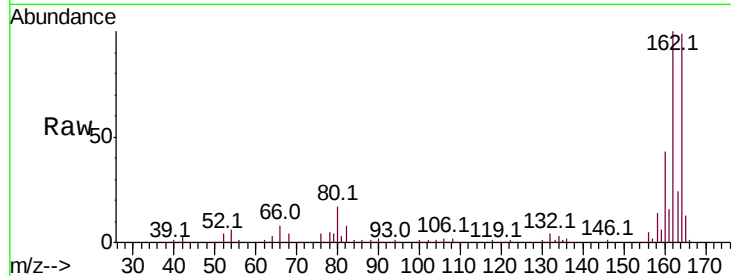




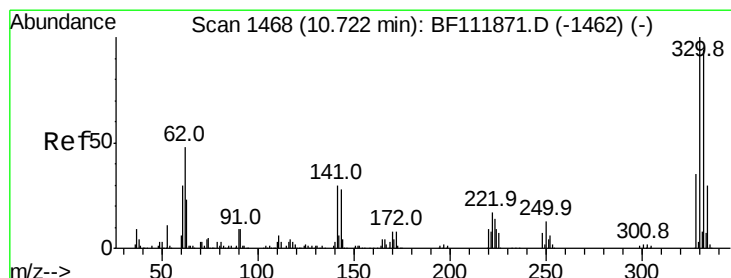
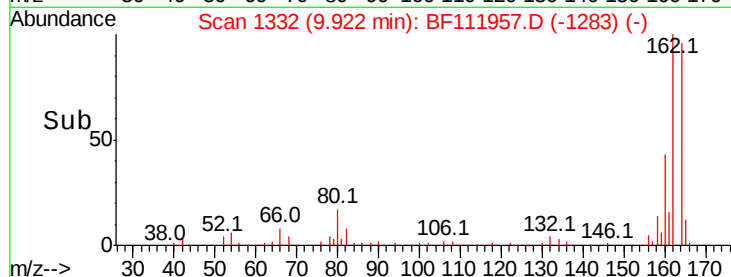
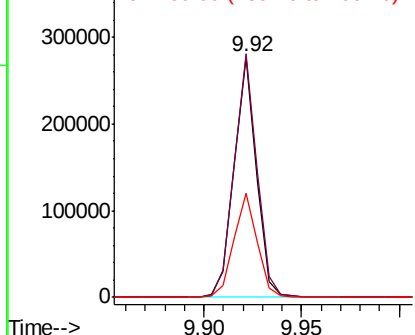
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF111957.D
Acq: 9 Jan 2019 18:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 219626
Ion Ratio Lower Upper
164 100
162 101.4 82.2 123.2
160 43.2 35.5 53.3

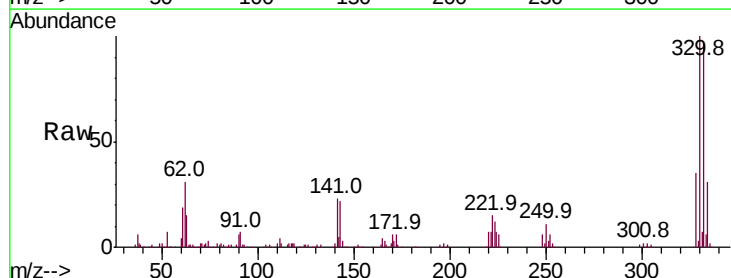


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

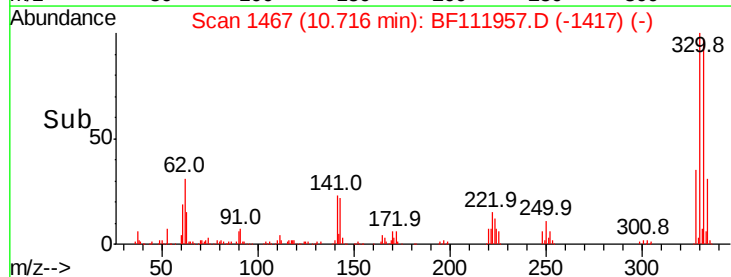
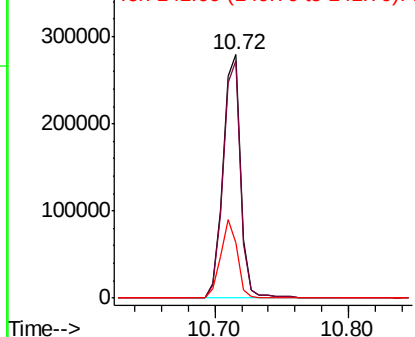


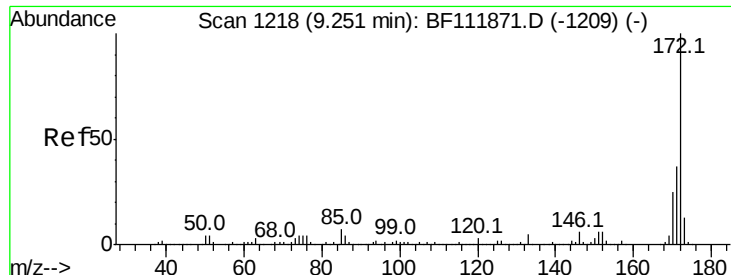
#42
2,4,6-Tribromophenol
Concen: 91.794 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF111957.D
Acq: 9 Jan 2019 18:48

Tgt Ion:330 Resp: 262226
Ion Ratio Lower Upper
330 100
332 96.8 76.9 115.3
141 30.8 23.7 35.5



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

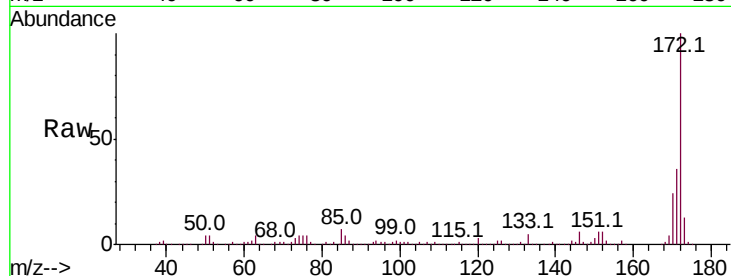




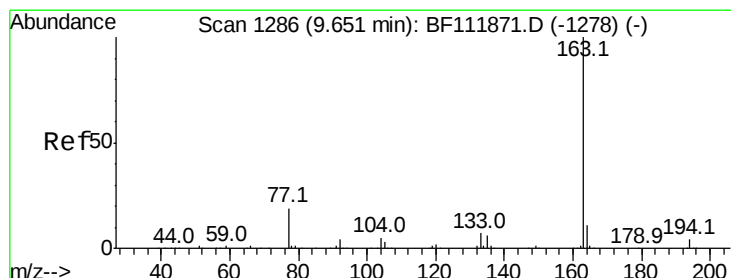
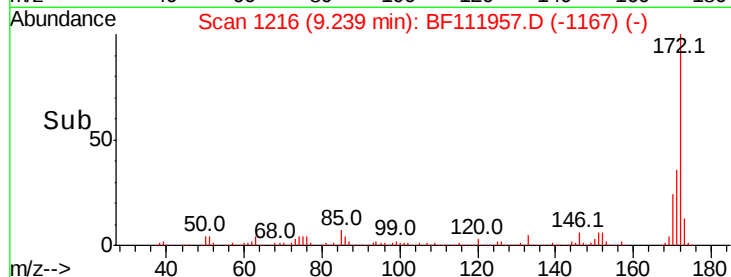
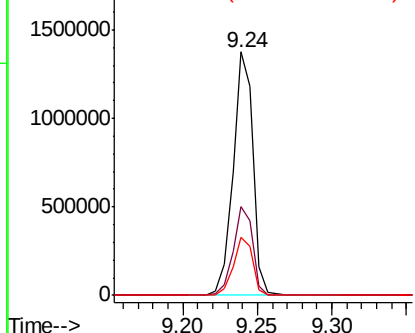
#45
2-Fluorobiphenyl
Concen: 85.526 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF111957.D
Acq: 9 Jan 2019 18:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1288139
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 23.9 19.8 29.8

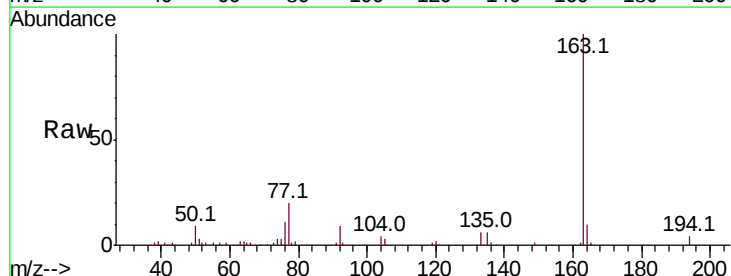


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

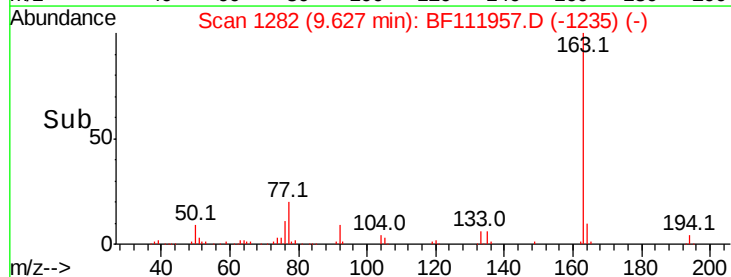
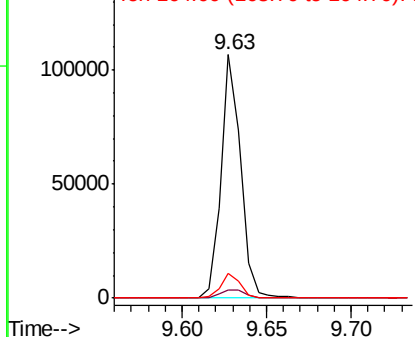


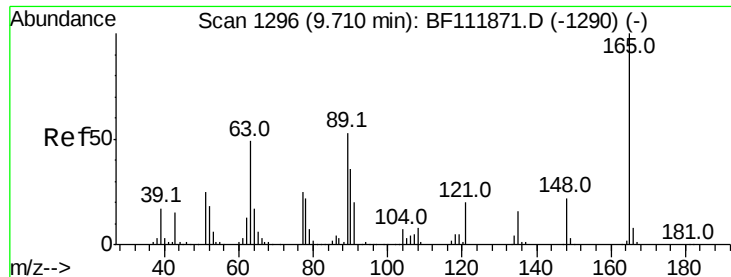
#50
Dimethylphthalate
Concen: 5.238 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF111957.D
Acq: 9 Jan 2019 18:48

Tgt Ion:163 Resp: 86415
Ion Ratio Lower Upper
163 100
194 3.5 3.4 5.2
164 9.9 8.5 12.7



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





#51

2,6-Dinitrotoluene

Concen: 7.671 ng

RT: 9.92 min Scan# 1332

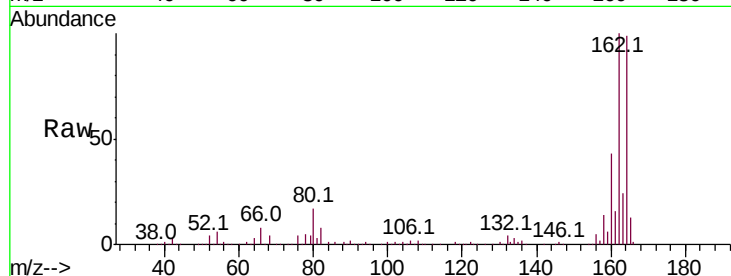
Delta R.T. 0.21 min

Lab File: BF111957.D

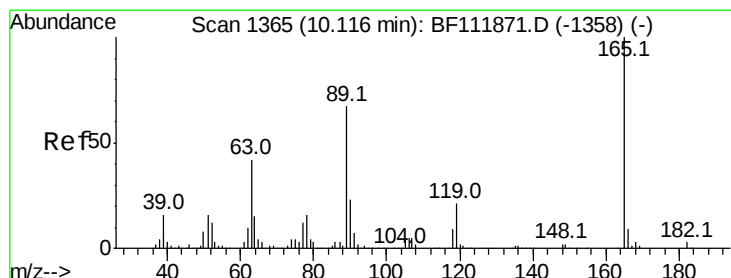
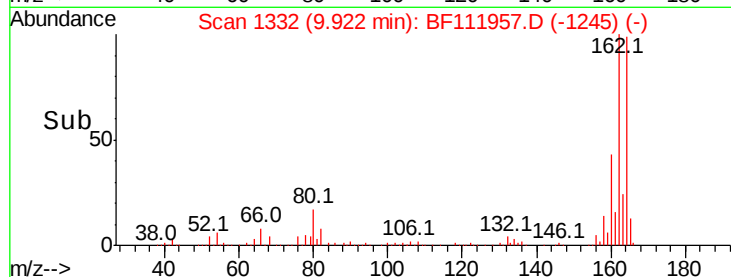
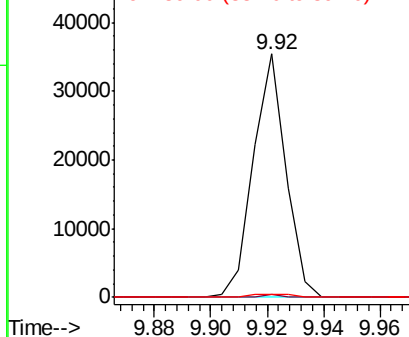
Acq: 9 Jan 2019 18:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	165	Resp:	28301
Ion Ratio	Lower	Upper	
165	100		
63	1.1	46.2	69.2#
89	1.0	42.2	63.2#



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: 5.937 ng

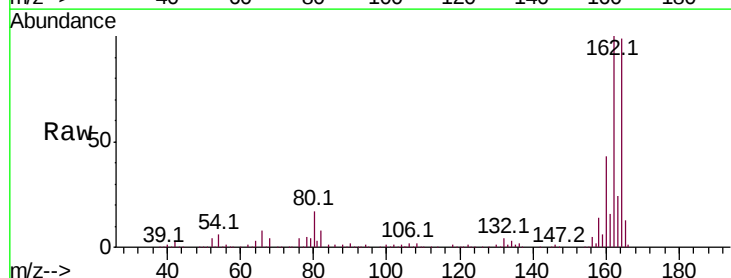
RT: 9.92 min Scan# 1332

Delta R.T. -0.19 min

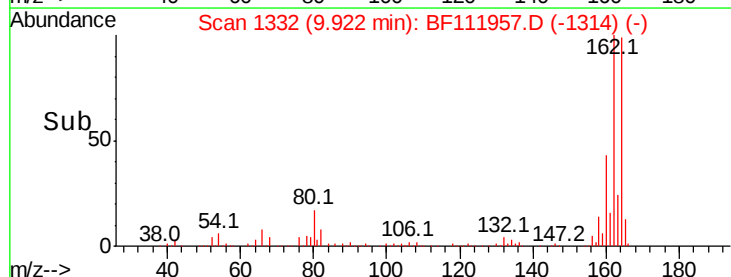
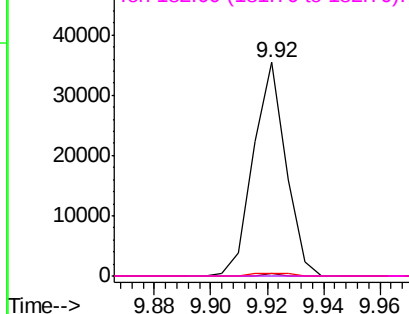
Lab File: BF111957.D

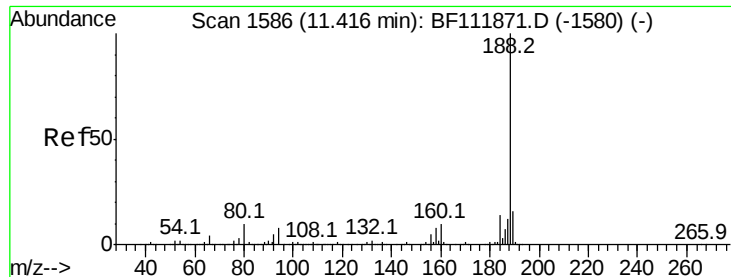
Acq: 9 Jan 2019 18:48

Tgt Ion:	165	Resp:	28301
Ion Ratio	Lower	Upper	
165	100		
63	1.1	34.1	51.1#
89	1.0	53.5	80.3#
182	0.0	2.0	3.0#



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: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF111957.D

Acq: 9 Jan 2019 18:48

Instrument :

BNA_F

ClientSampled :

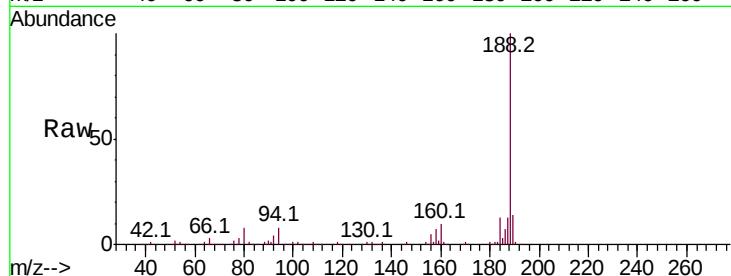
Tot Ion:188 Resp: 356169

Ion Ratio Lower Upper

188 100

94 7.9 6.6 10.0

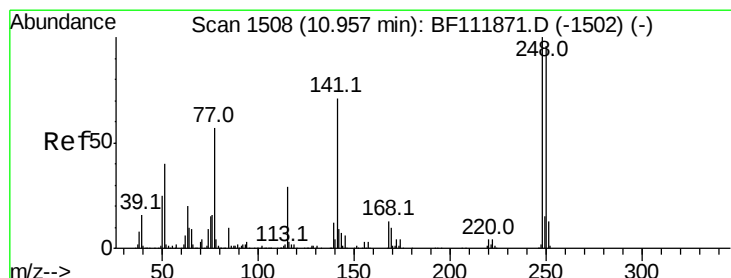
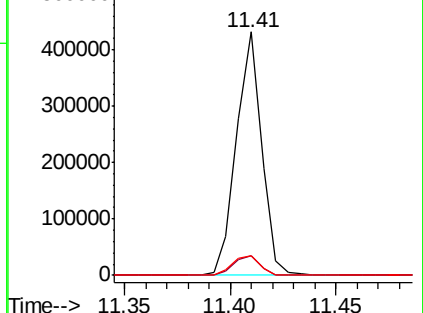
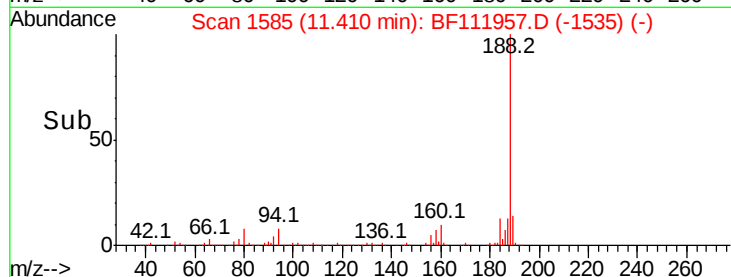
80 8.3 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 3.541 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.25 min

Lab File: BF111957.D

Acq: 9 Jan 2019 18:48

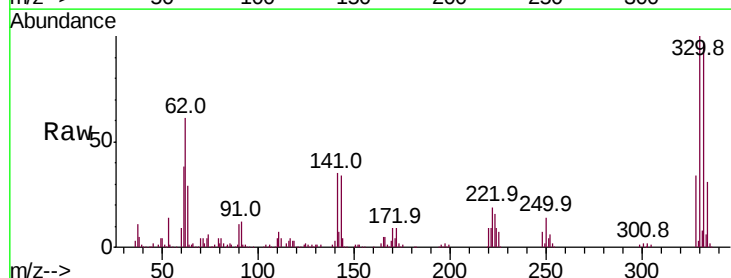
Tgt Ion:248 Resp: 16337

Ion Ratio Lower Upper

248 100

250 197.3 76.8 115.2#

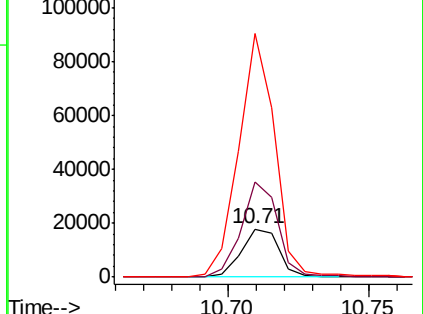
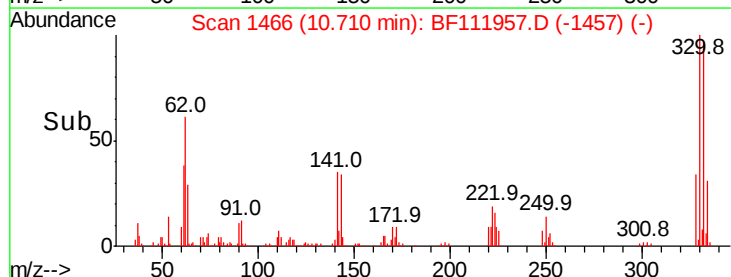
141 508.3 57.0 85.6#

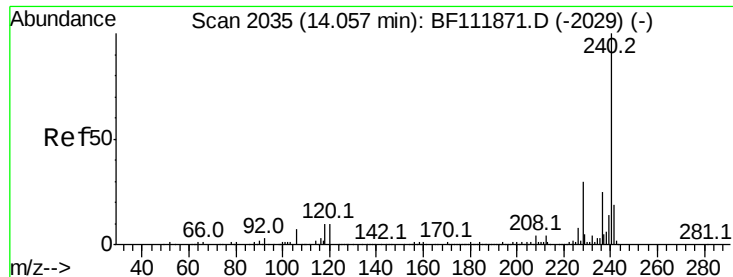


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

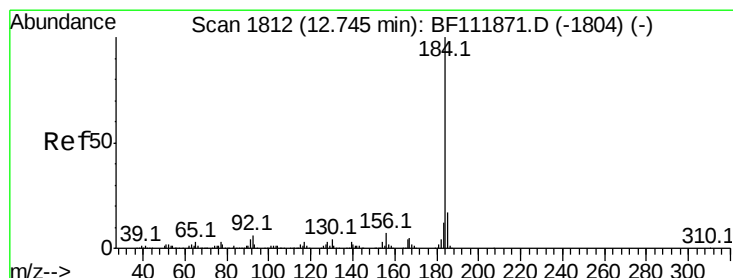
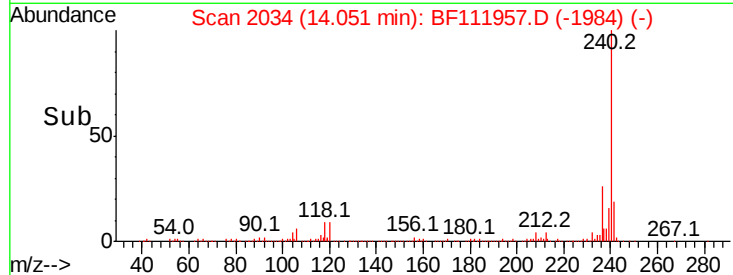
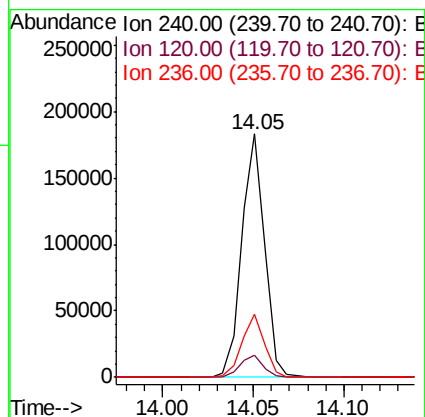
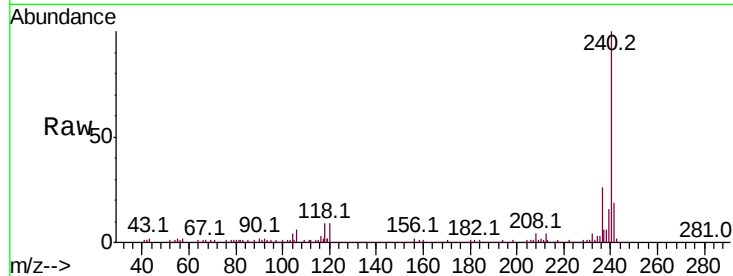




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF111957.D
 Acq: 9 Jan 2019 18:48

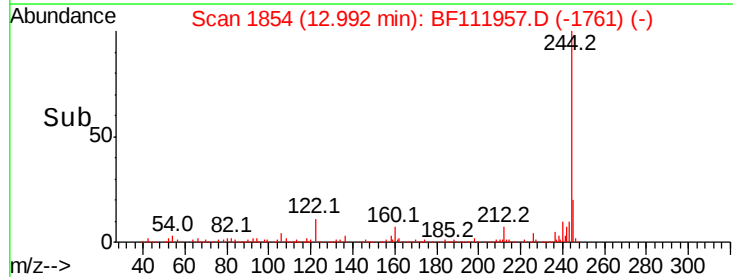
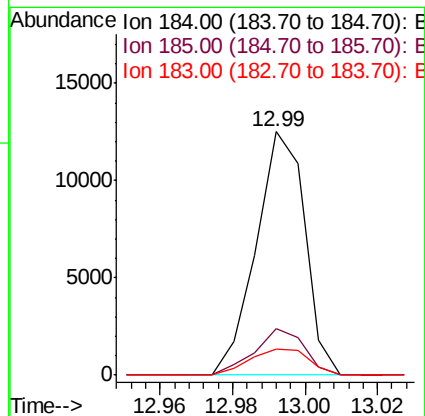
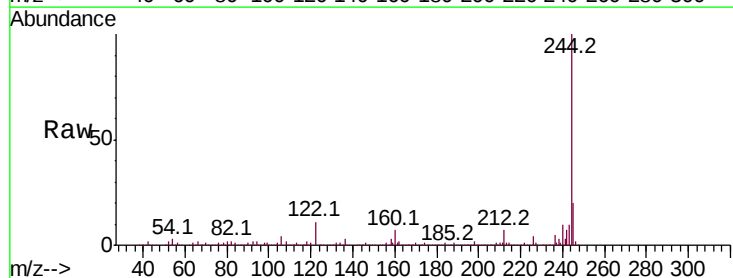
Instrument :
 BNA_F
 ClientSampleId :

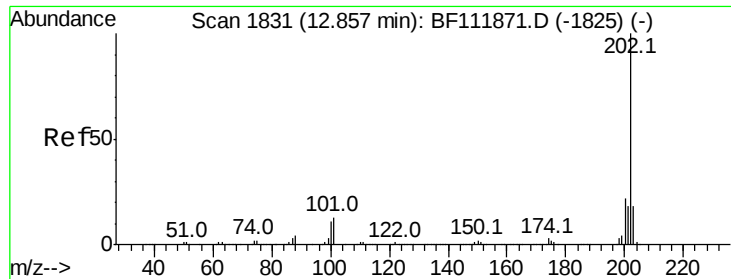
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.9	8.2	12.2
236	25.8	20.2	30.4



#77
 Benzidine
 Concen: 2.449 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.25 min
 Lab File: BF111957.D
 Acq: 9 Jan 2019 18:48

Tgt Ion	Ratio	Lower	Upper
184	100		
185	19.0	13.4	20.0
183	10.7	9.6	14.4

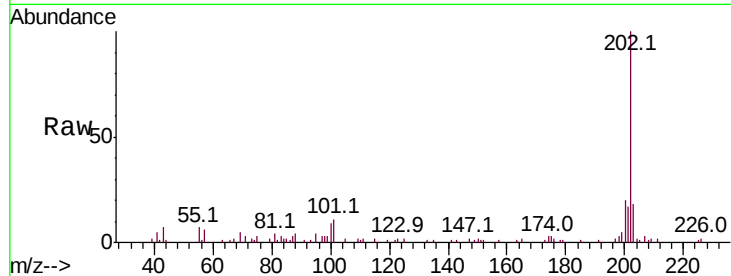




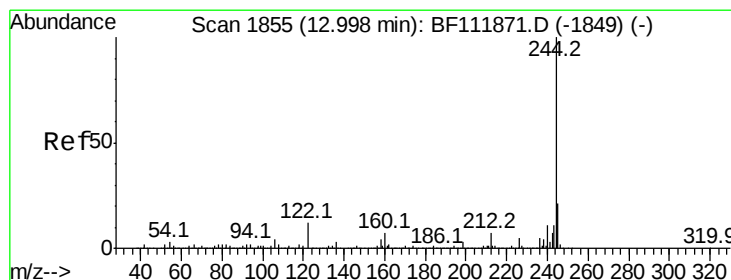
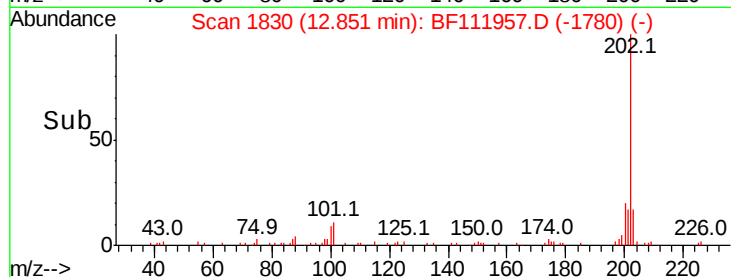
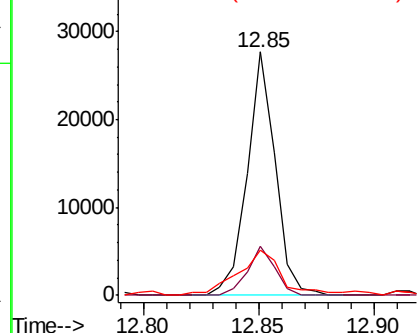
#78
Pvrene
Concen: 2.140 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF111957.D
Acq: 9 Jan 2019 18:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.4	26.2
203	18.4	14.6	21.8

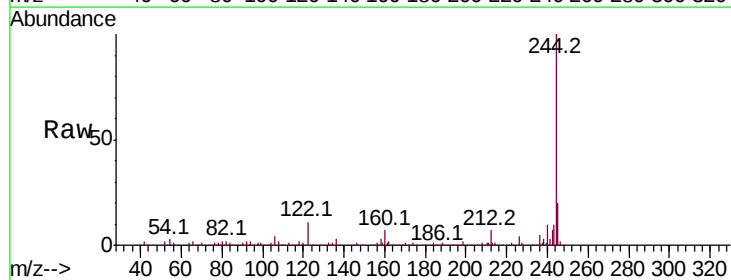


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

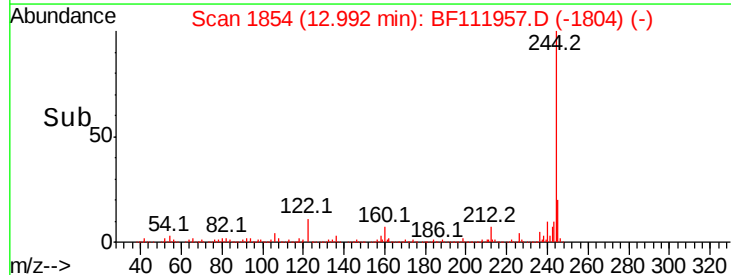
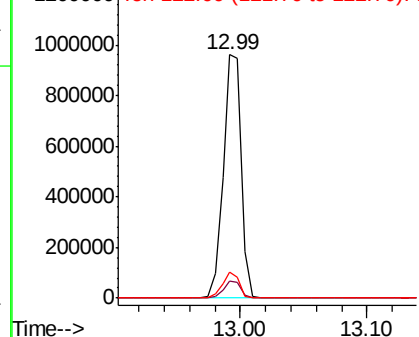


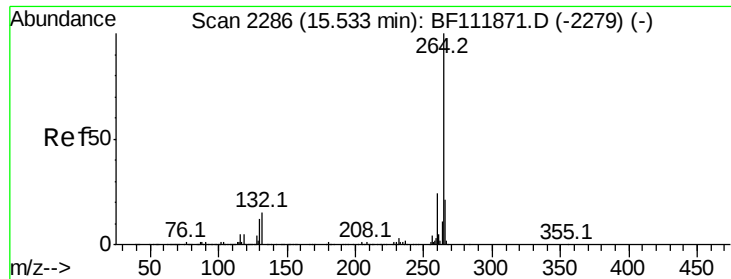
#79
Terphenyl-d14
Concen: 112.981 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF111957.D
Acq: 9 Jan 2019 18:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	10.7	9.5	14.3



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





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF111957.D
Acq: 9 Jan 2019 18:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.2	28.8
265	22.7	17.1	25.7

