

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031219\
 Data File : BF113001.D
 Acq On : 12 Mar 2019 14:26
 Operator : JU/SJ
 Sample : K1817-14RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PST-027-B116-030619

Quant Time: Mar 13 03:56:12 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	191976	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	742711	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	364930	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	709040	20.00	ng	0.00
76) Chrysene-d12	13.86	240	465469	20.00	ng	0.00
87) Perylene-d12	15.27	264	472159	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	910726	73.79	ng	0.00
7) Phenol-d6	6.37	99	1209485	78.02	ng	0.00
23) Nitrobenzene-d5	7.29	82	733325	59.08	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	378545	97.71	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1376844	57.37	ng	0.00
79) Terphenyl-d14	12.82	244	1290805	53.76	ng	0.00

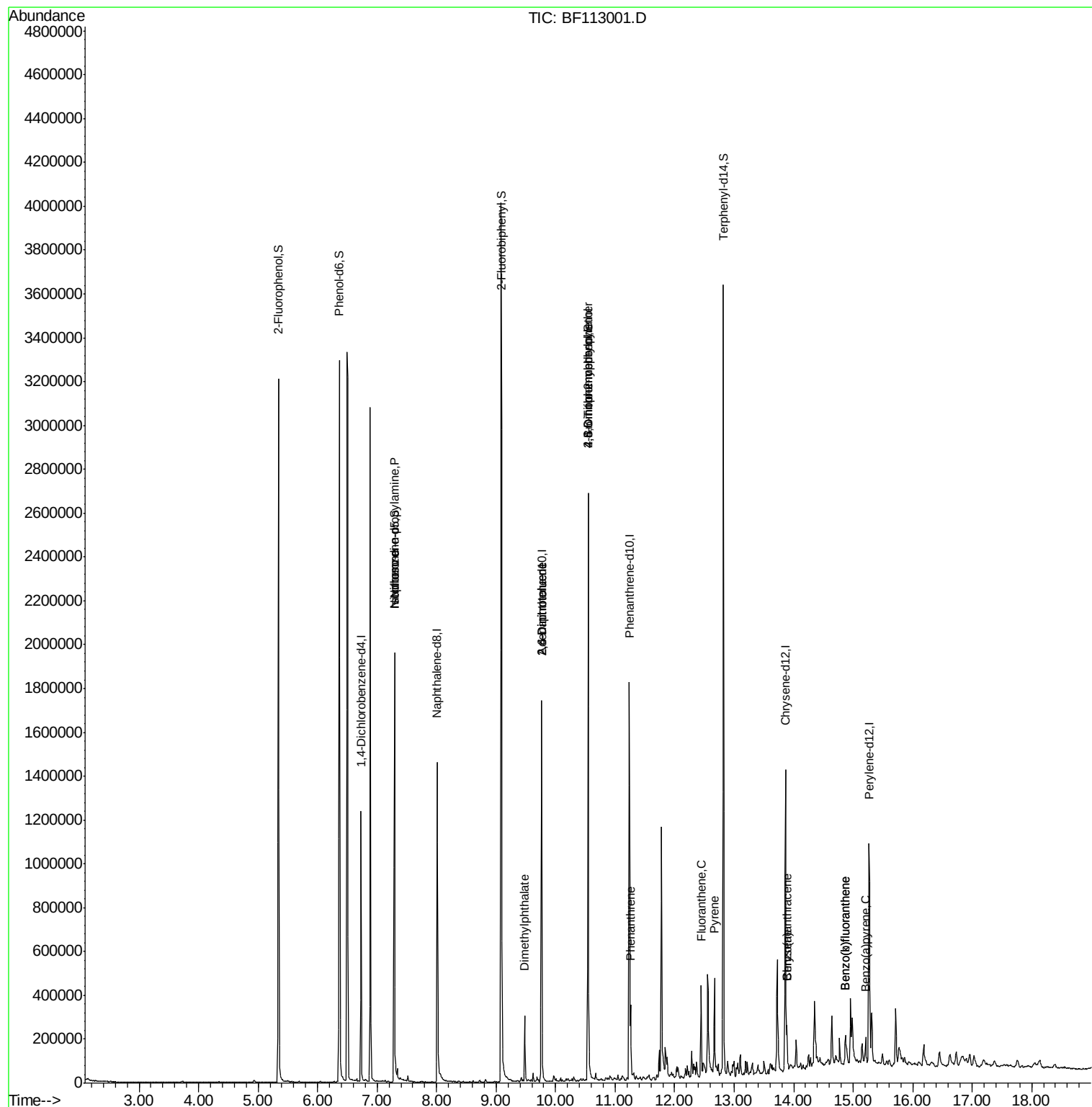
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	94336	9.608	ng	# 77
25) Isophorone	7.29	82	729689	27.288	ng	# 66
50) Dimethylphthalate	9.48	163	130773	4.860	ng	99
51) 2,6-Dinitrotoluene	9.76	165	46619	8.320	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	46619	6.693	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	658	4.817	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	20899	2.798	ng	# 1
71) Phenanthrene	11.26	178	119310	3.382	ng	97
75) Fluoranthene	12.44	202	160497	4.246	ng	95
78) Pyrene	12.67	202	186275	4.747	ng	98
81) Benzo(a)anthracene	13.89	228	73364	2.274	ng	96
83) Chrysene	13.89	228	73364	2.322	ng	99
88) Benzo(b)fluoranthene	14.87	252	99540	3.259	ng	97
89) Benzo(k)fluoranthene	14.87	252	99540	3.598	ng	97
90) Benzo(a)pyrene	15.21	252	57833	2.141	ng	99

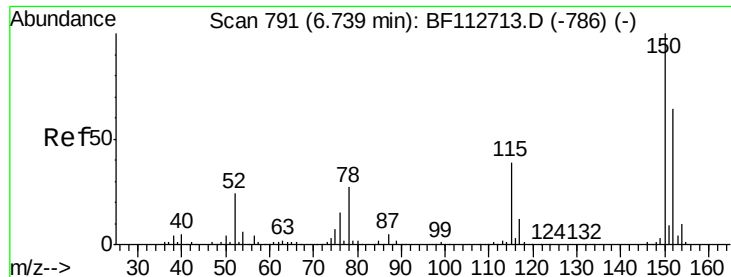
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031219\
Data File : BF113001.D
Acq On : 12 Mar 2019 14:26
Operator : JU/SJ
Sample : K1817-14RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PST-027-B116-030619

Quant Time: Mar 13 03:56:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 13 03:42:55 2019
Response via : Initial Calibration



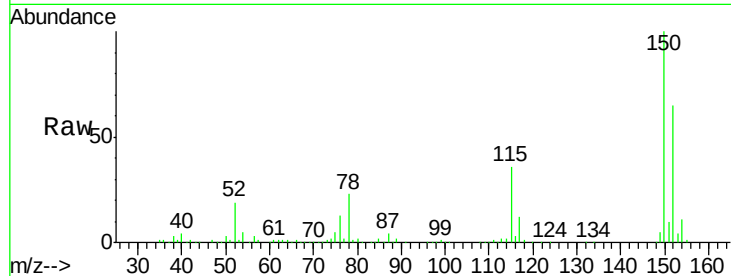


#1

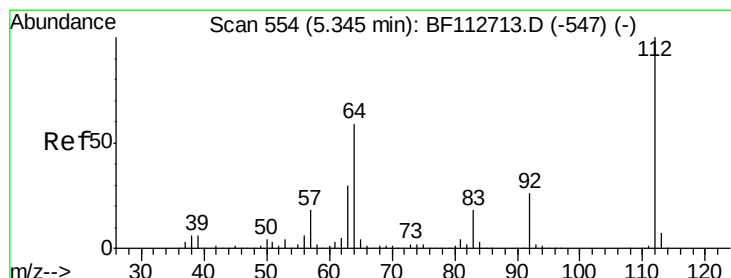
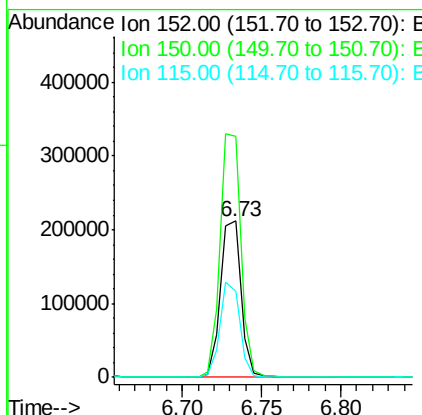
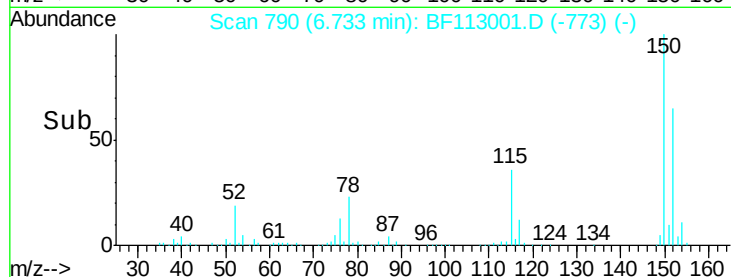
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF113001.D
Acq: 12 Mar 2019 14:26

Instrument :
BNA_F
ClientSampleId :
PST-027-B116-030619

Tgt Ion:152 Resp: 191976
Ion Ratio Lower Upper
152 100
150 154.3 124.2 186.2
115 55.5 48.2 72.4



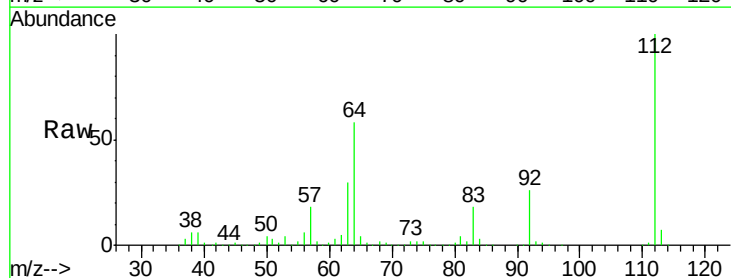
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



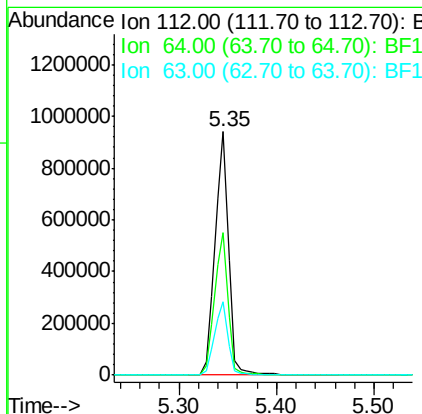
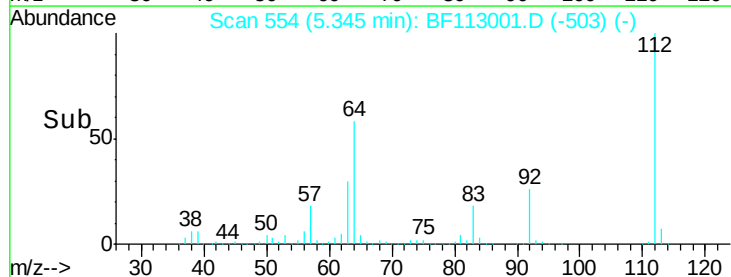
#5

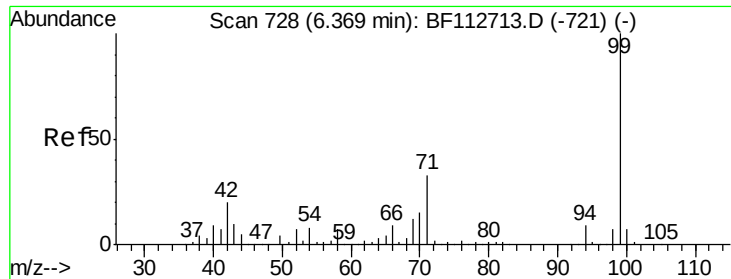
2-Fluorophenol
Concen: 73.794 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF113001.D
Acq: 12 Mar 2019 14:26

Tgt Ion:112 Resp: 910726
Ion Ratio Lower Upper
112 100
64 58.4 47.6 71.4
63 29.9 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: 78.017 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113001.D

Acq: 12 Mar 2019 14:26

Instrument :

BNA_F

ClientSampleId :

PST-027-B116-030619

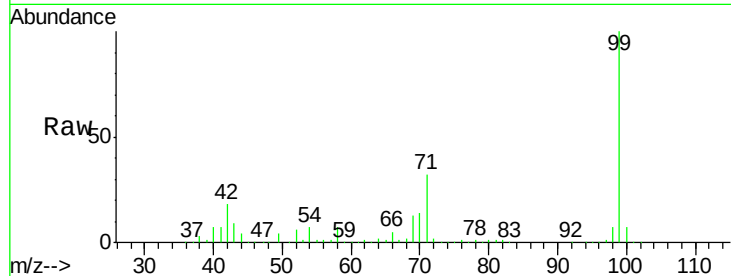
Tgt Ion: 99 Resp: 1209485

Ion Ratio Lower Upper

99 100

42 18.4 16.3 24.5

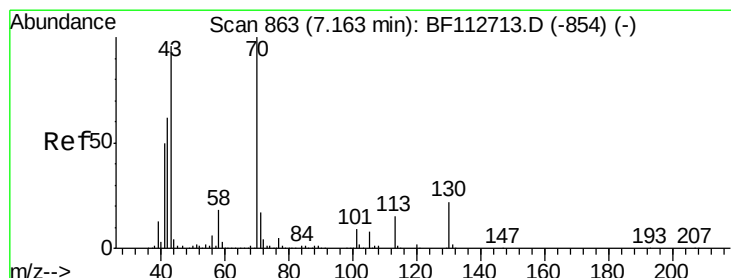
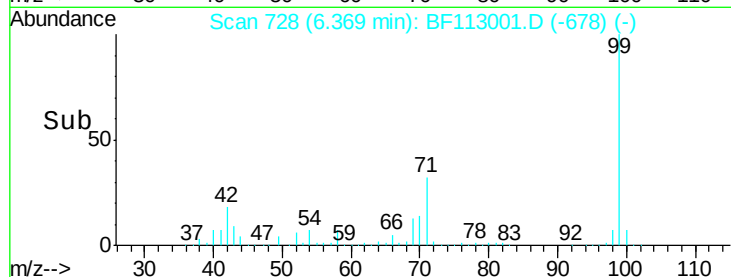
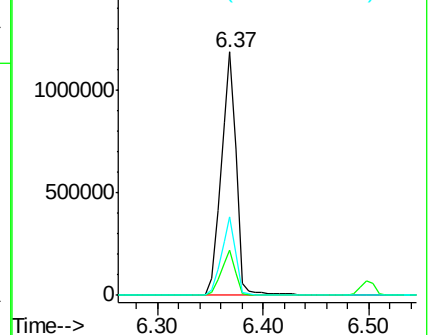
71 32.5 26.2 39.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.608 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.13 min

Lab File: BF113001.D

Acq: 12 Mar 2019 14:26

Tgt Ion: 70 Resp: 94336

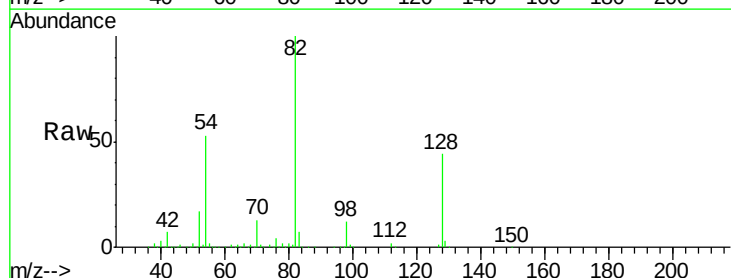
Ion Ratio Lower Upper

70 100

42 49.6 49.9 74.9#

101 0.0 7.4 11.2#

130 2.2 17.4 26.2#

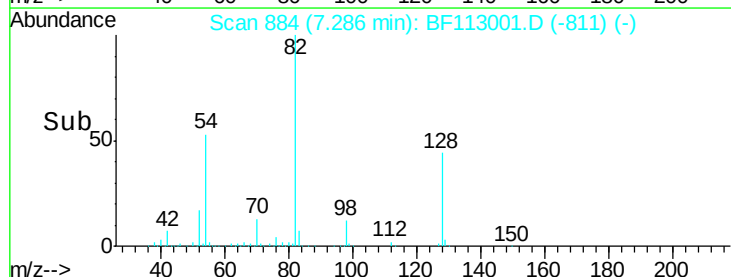
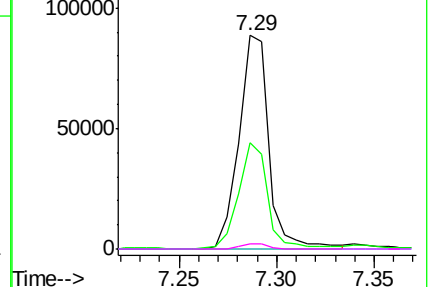


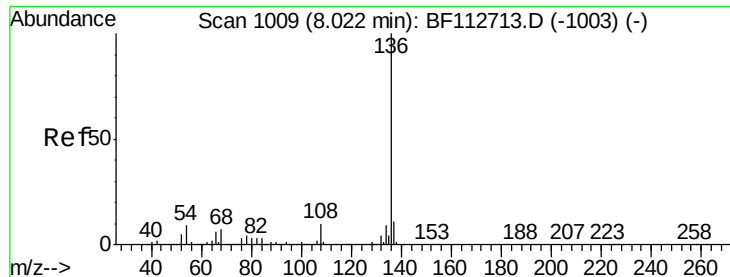
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

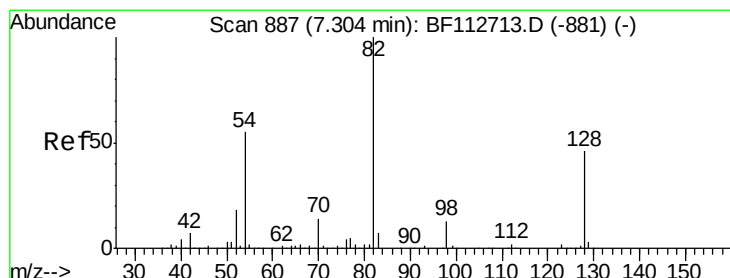
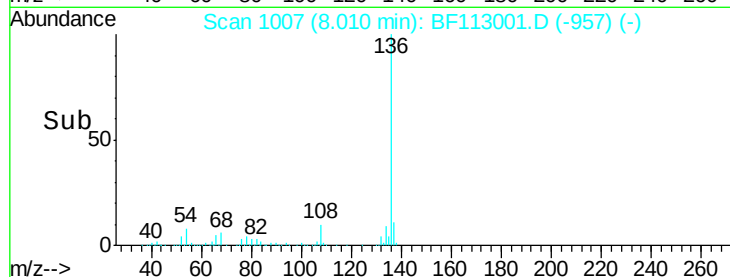
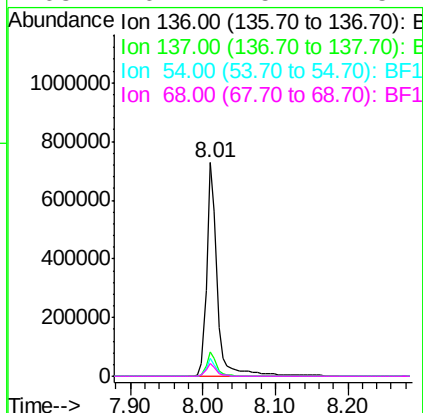
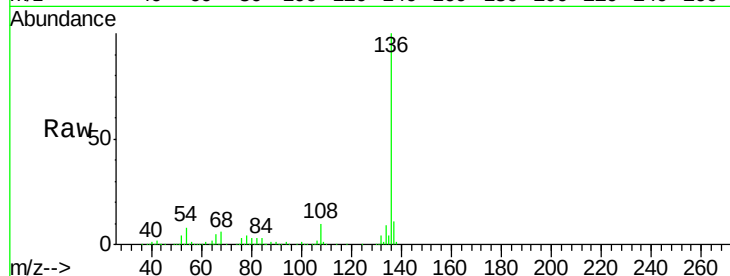




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113001.D
Acq: 12 Mar 2019 14:26

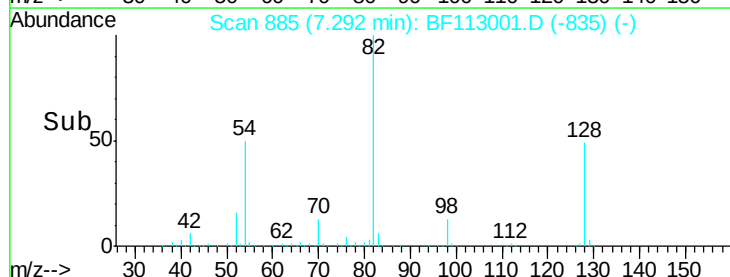
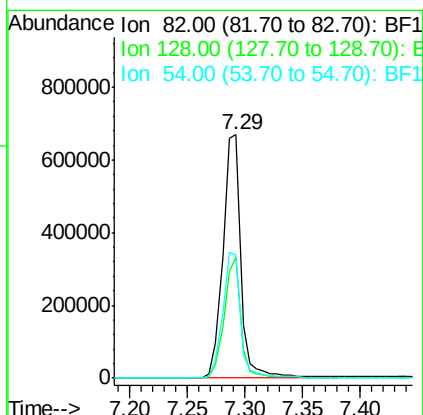
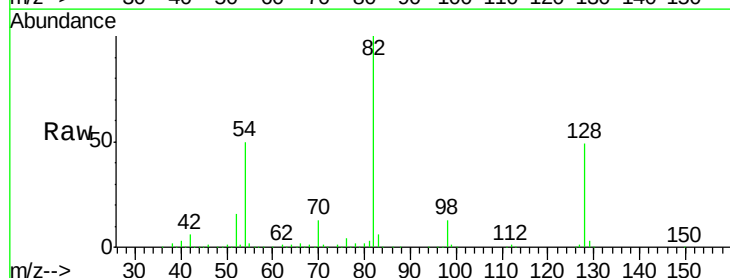
Instrument :
BNA_F
ClientSampleId :
PST-027-B116-030619

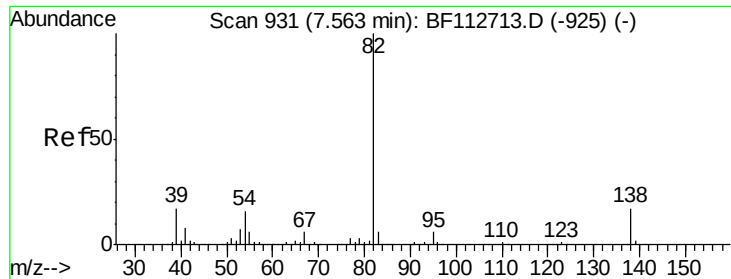
Tgt Ion:	136	Resp:	742711
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.4	7.3	10.9
68	6.2	5.4	8.2



#23
Nitrobenzene-d5
Concen: 59.082 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF113001.D
Acq: 12 Mar 2019 14:26

Tgt Ion:	82	Resp:	733325
Ion	Ratio	Lower	Upper
82	100		
128	49.5	36.3	54.5
54	50.4	43.7	65.5





#25

Isophorone

Concen: 27.288 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF113001.D

Acq: 12 Mar 2019 14:26

Instrument :

BNA_F

ClientSampleId :

PST-027-B116-030619

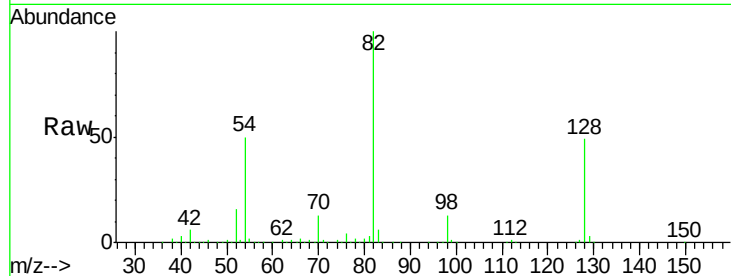
Tgt Ion: 82 Resp: 729689

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

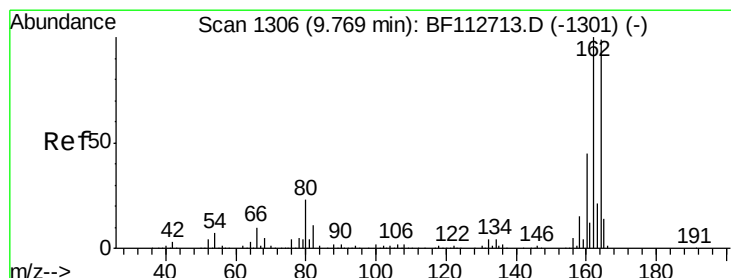
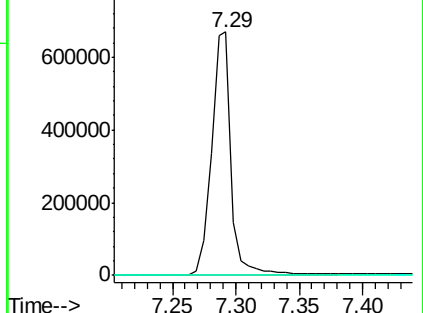
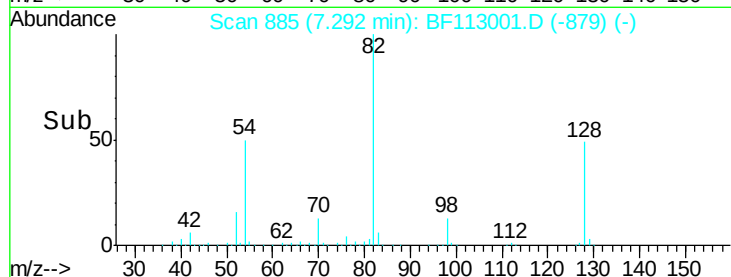
138 0.0 13.8 20.8#



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: BF113001.D

Acq: 12 Mar 2019 14:26

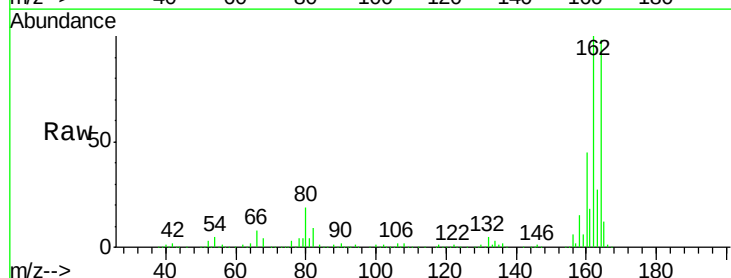
Tgt Ion: 164 Resp: 364930

Ion Ratio Lower Upper

164 100

162 102.1 80.6 120.8

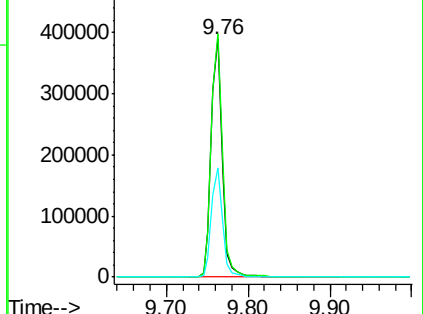
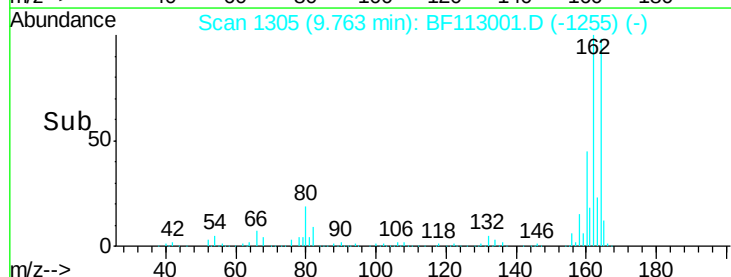
160 45.7 36.0 54.0

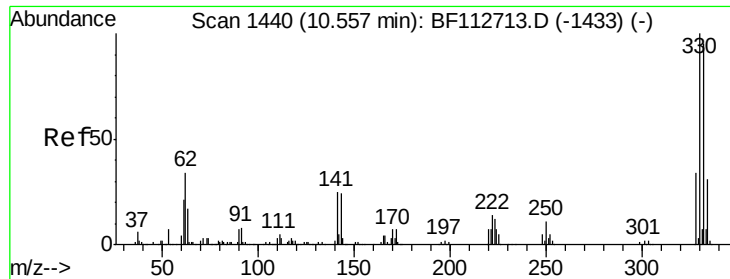


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 97.709 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF113001.D

Acq: 12 Mar 2019 14:26

Instrument :

BNA_F

ClientSampleId :

PST-027-B116-030619

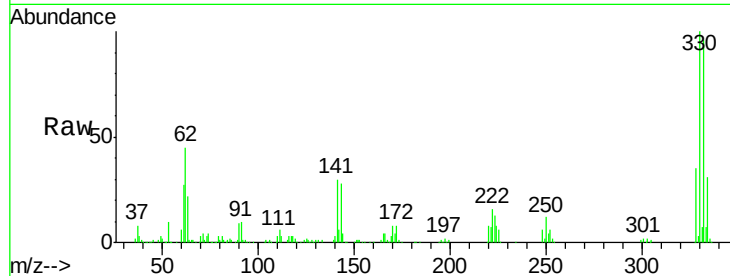
Tgt Ion:330 Resp: 378545

Ion Ratio Lower Upper

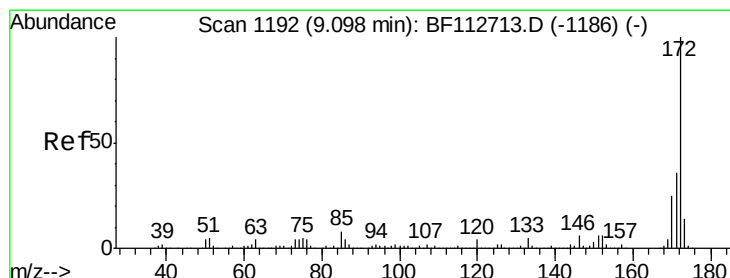
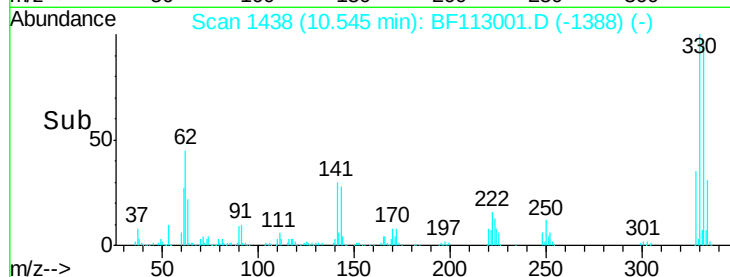
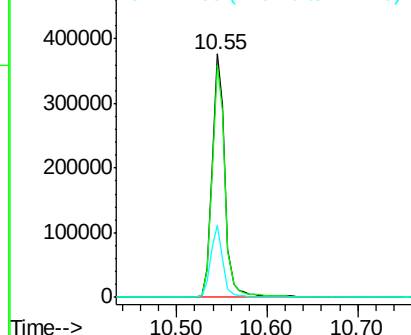
330 100

332 96.2 76.2 114.4

141 28.7 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: 57.367 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF113001.D

Acq: 12 Mar 2019 14:26

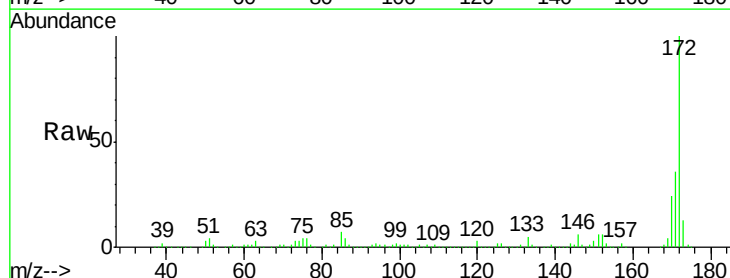
Tgt Ion:172 Resp: 1376844

Ion Ratio Lower Upper

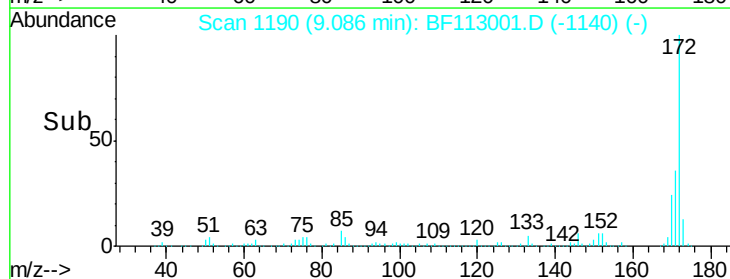
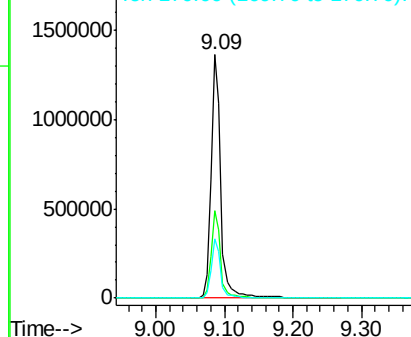
172 100

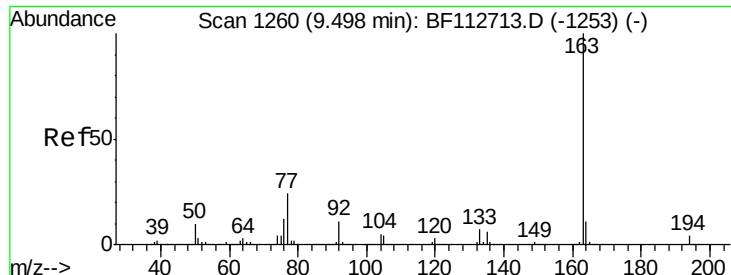
171 36.1 29.0 43.4

170 24.3 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

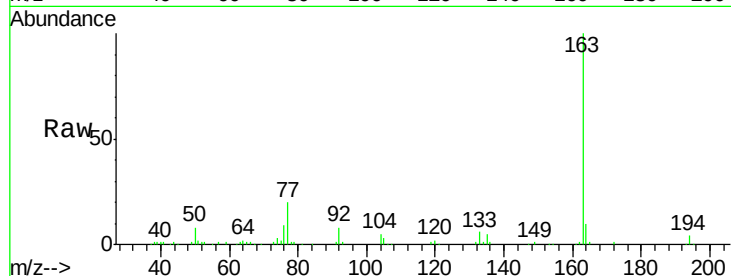




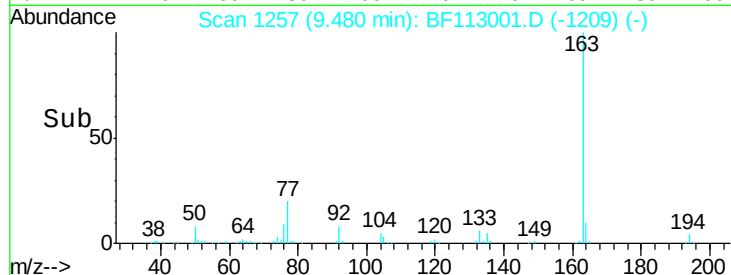
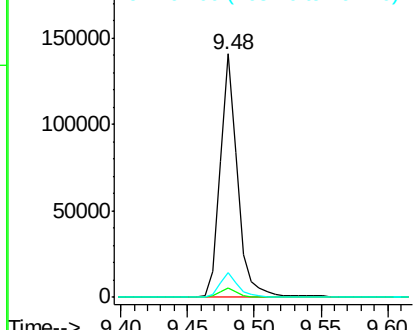
#50
Dimethylphthalate
Concen: 4.860 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF113001.D
Acq: 12 Mar 2019 14:26

Instrument :
BNA_F
ClientSampleId :
PST-027-B116-030619

Tgt Ion:163 Resp: 130773
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 10.0 8.4 12.6

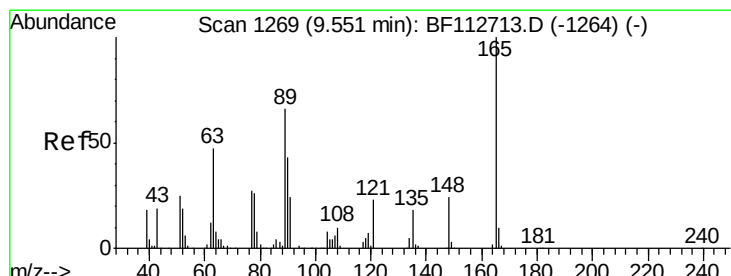


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

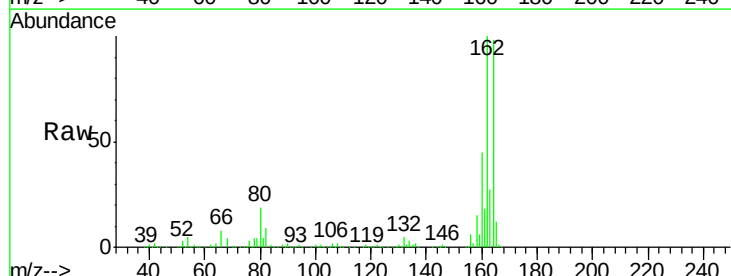
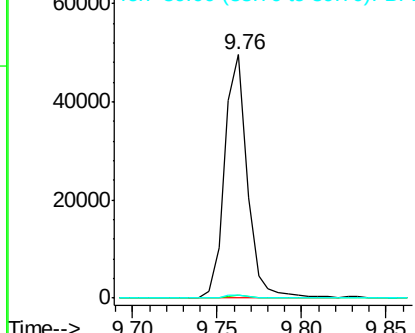


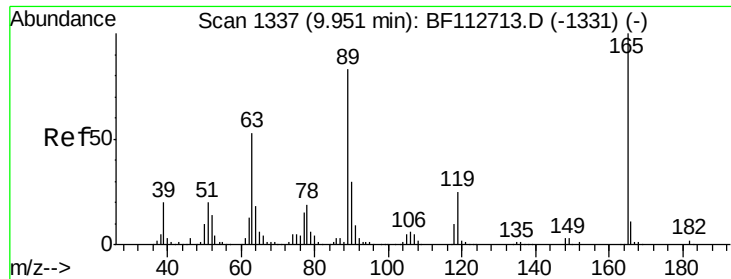
#51
2,6-Dinitrotoluene
Concen: 8.320 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.21 min
Lab File: BF113001.D
Acq: 12 Mar 2019 14:26

Tgt Ion:165 Resp: 46619
Ion Ratio Lower Upper
165 100
63 1.1 54.1 81.1#
89 1.5 52.8 79.2#



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

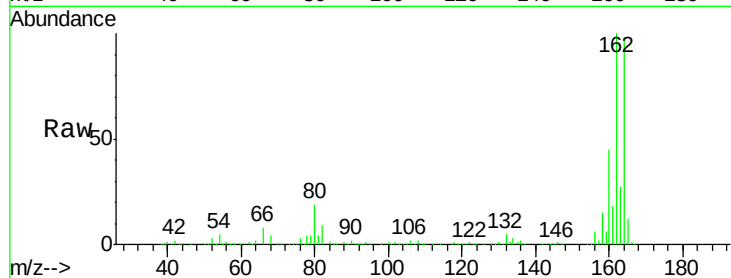




#57
2,4-Dinitrotoluene
Concen: 6.693 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.19 min
Lab File: BF113001.D
Acq: 12 Mar 2019 14:26

Instrument :
BNA_F
ClientSampleId :
PST-027-B116-030619

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.2	63.2#
89	1.5	66.2	99.4#
182	0.0	1.8	2.6#

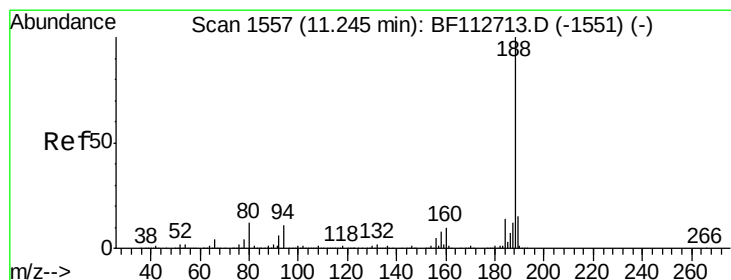
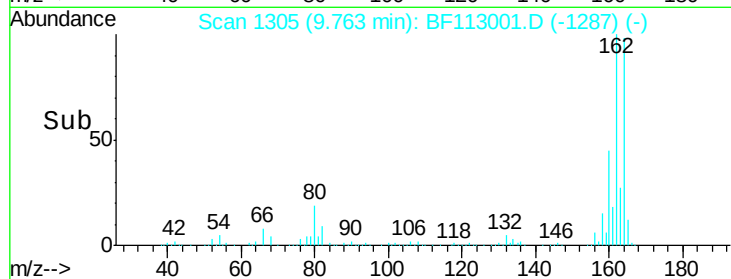
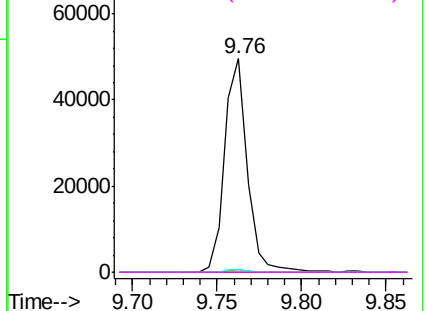


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

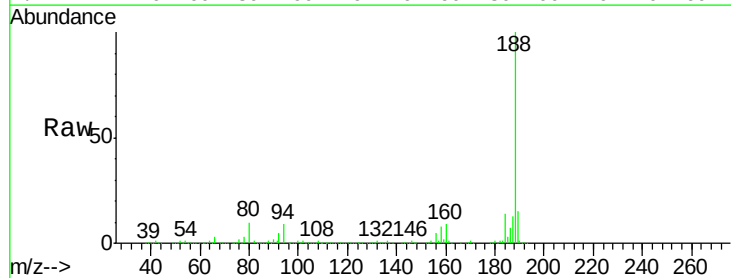
Ion 89.00 (88.70 to 89.70): BF1

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: BF113001.D
Acq: 12 Mar 2019 14:26

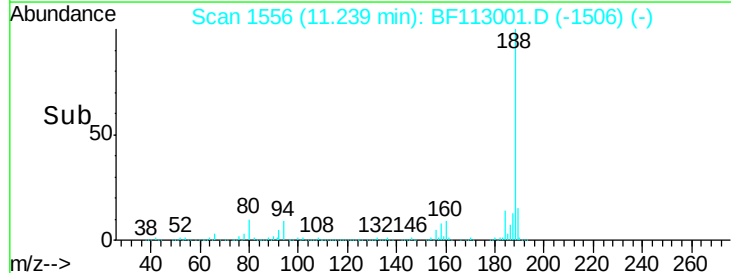
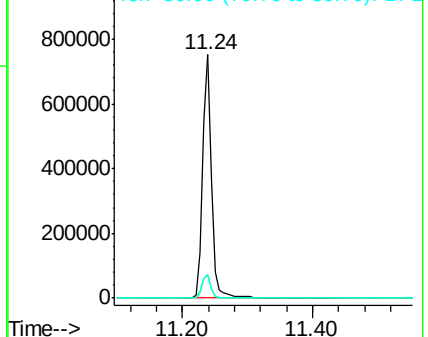
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	9.0	13.4
80	9.8	9.2	13.8

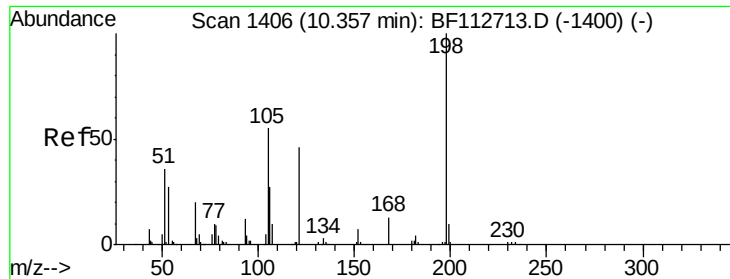


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

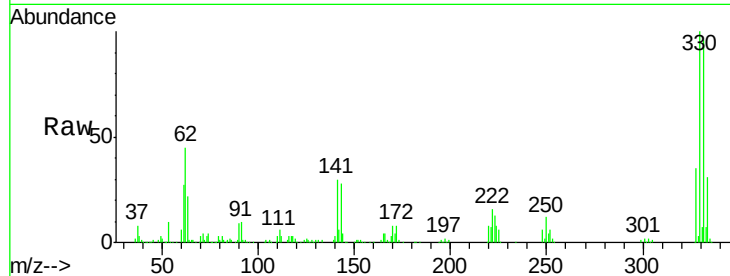




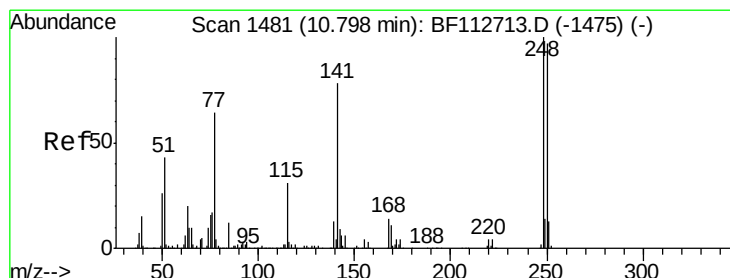
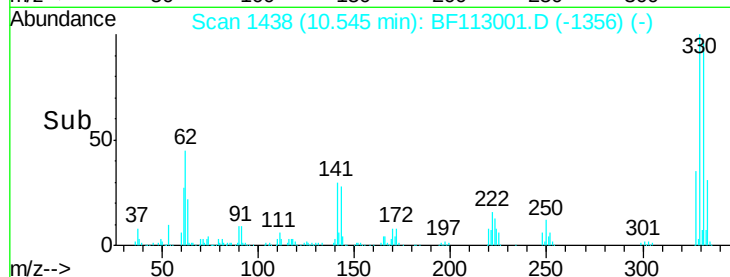
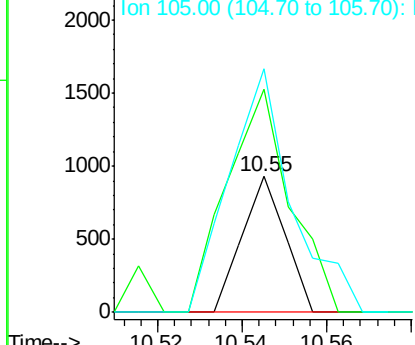
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.817 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.18 min
 Lab File: BF113001.D
 Acq: 12 Mar 2019 14:26

Instrument :
 BNA_F
 ClientSampleId :
 PST-027-B116-030619

Tgt Ion:198 Resp: 658
 Ion Ratio Lower Upper
 198 100
 51 164.4 43.8 83.8#
 105 179.7 36.5 76.5#

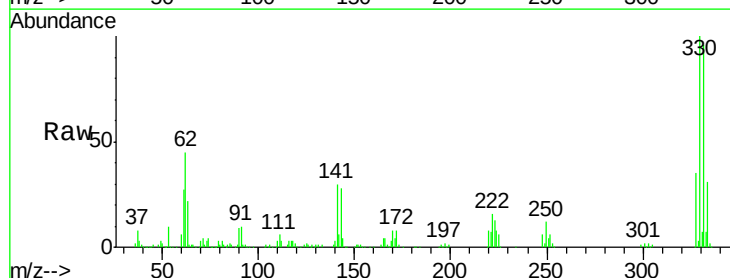


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

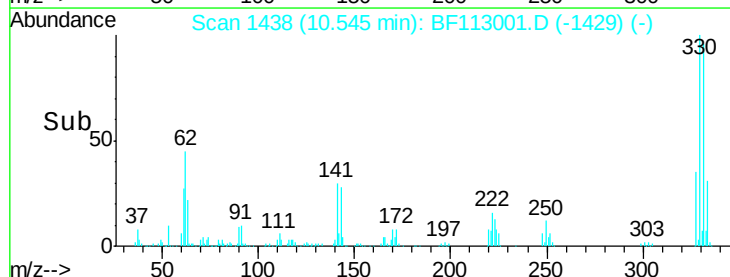
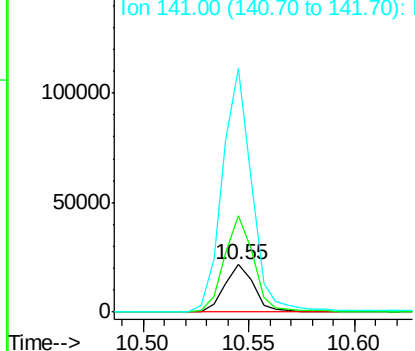


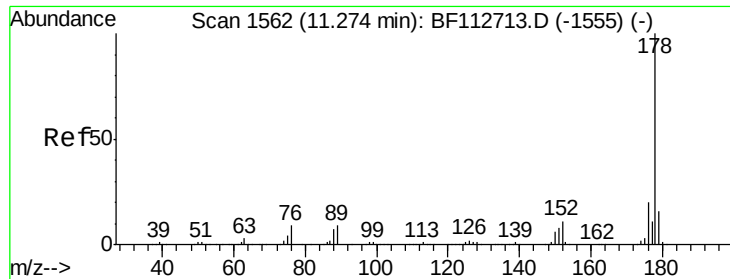
#67
 4-Bromophenyl-phenylether
 Concen: 2.798 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF113001.D
 Acq: 12 Mar 2019 14:26

Tgt Ion:248 Resp: 20899
 Ion Ratio Lower Upper
 248 100
 250 201.0 77.5 116.3#
 141 509.9 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

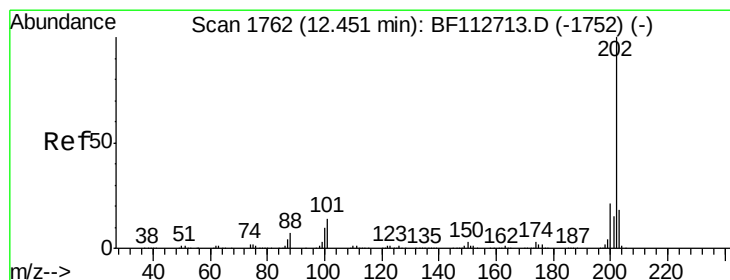
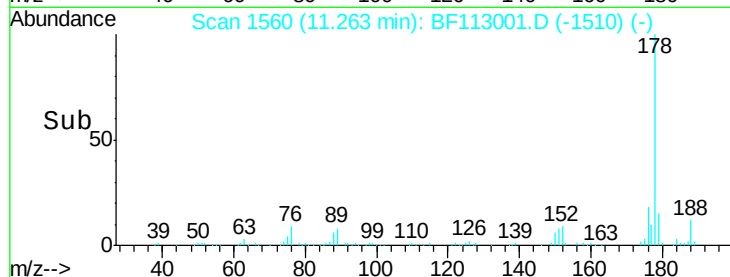
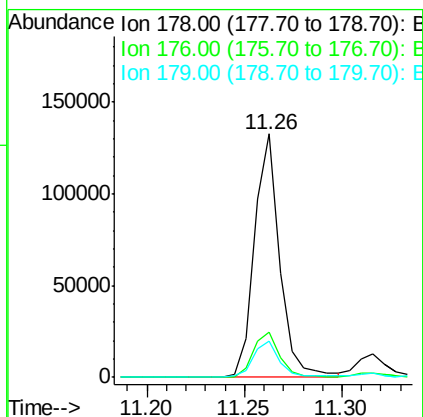
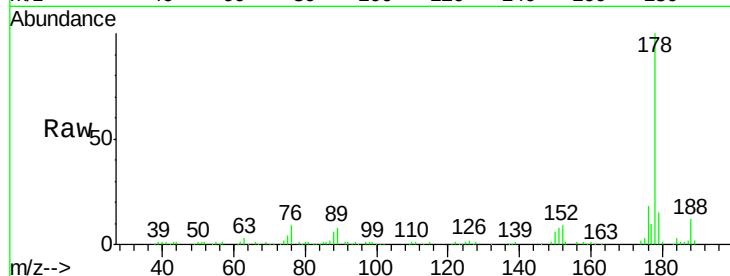




#71
Phenanthrene
Concen: 3.382 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF113001.D
Acq: 12 Mar 2019 14:26

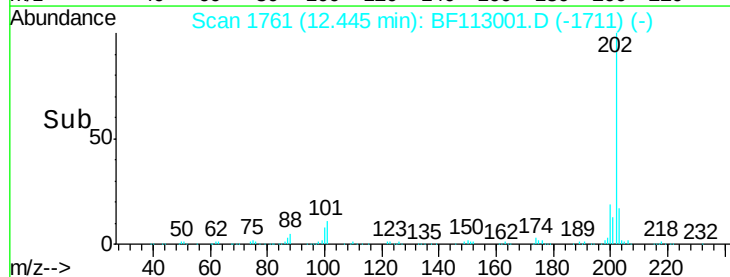
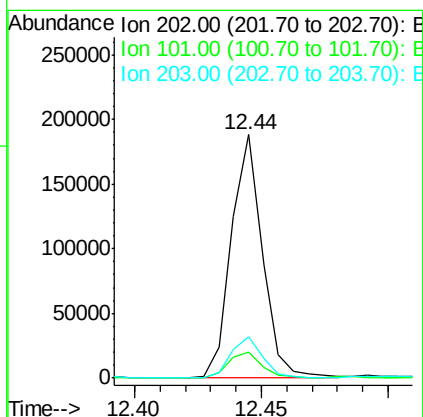
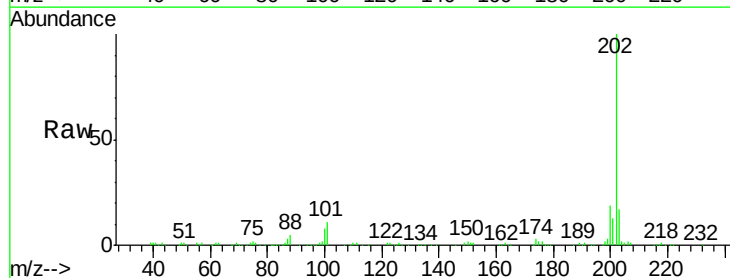
Instrument :
BNA_F
ClientSampleId :
PST-027-B116-030619

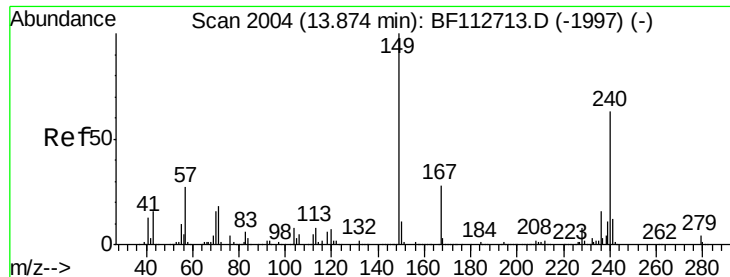
Tgt Ion:178 Resp: 119310
Ion Ratio Lower Upper
178 100
176 18.4 16.3 24.5
179 15.1 12.7 19.1



#75
Fluoranthene
Concen: 4.246 ng
RT: 12.44 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF113001.D
Acq: 12 Mar 2019 14:26

Tgt Ion:202 Resp: 160497
Ion Ratio Lower Upper
202 100
101 10.6 0.0 33.8
203 17.2 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: BF113001.D

Acq: 12 Mar 2019 14:26

Instrument :

BNA_F

ClientSampleId :

PST-027-B116-030619

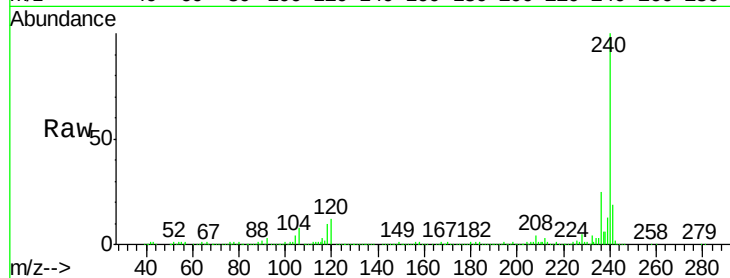
Tgt Ion:240 Resp: 465469

Ion Ratio Lower Upper

240 100

120 11.6 8.9 13.3

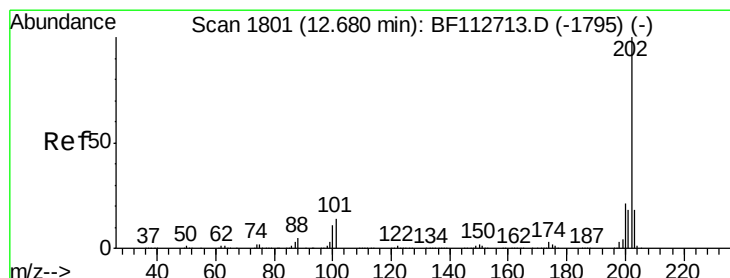
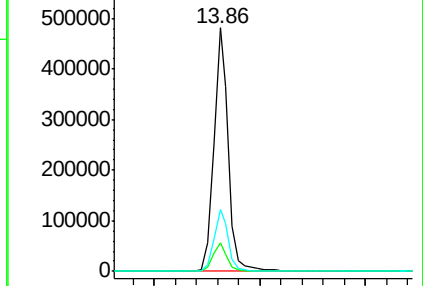
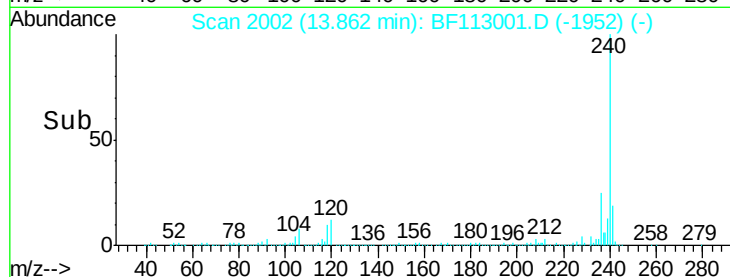
236 25.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 4.747 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113001.D

Acq: 12 Mar 2019 14:26

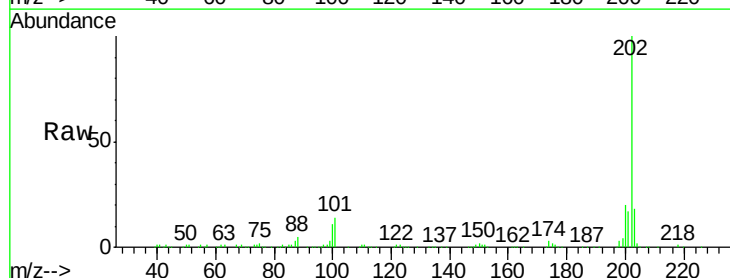
Tgt Ion:202 Resp: 186275

Ion Ratio Lower Upper

202 100

200 20.1 17.0 25.4

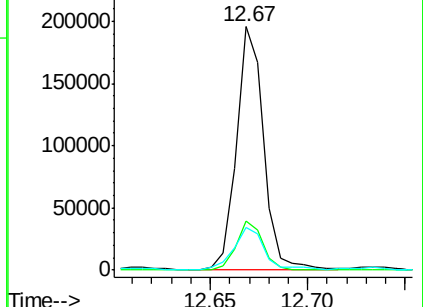
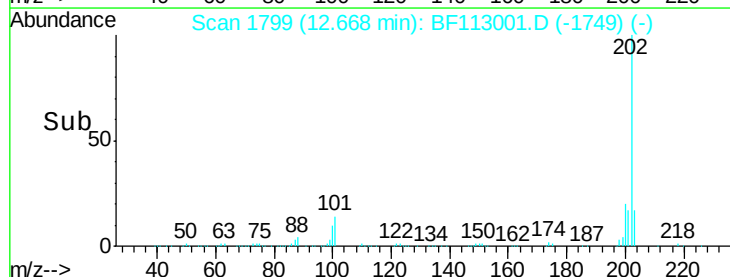
203 17.7 14.4 21.6

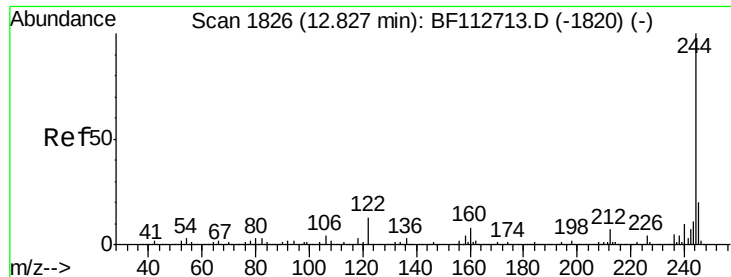


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

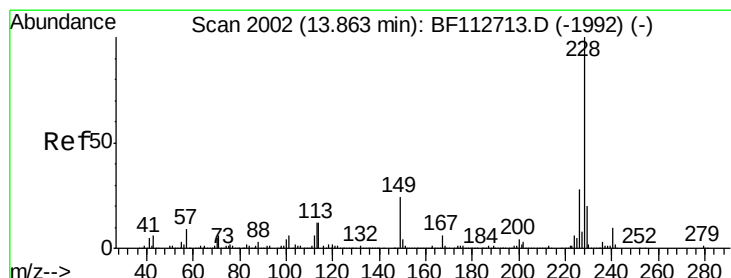
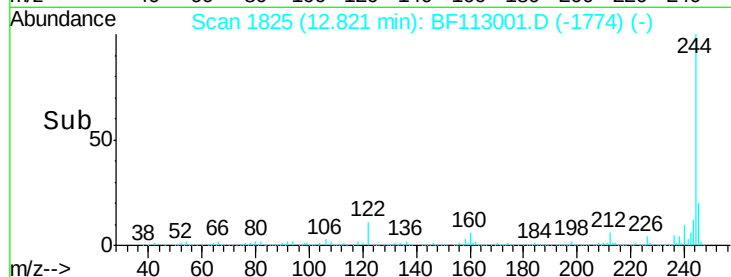
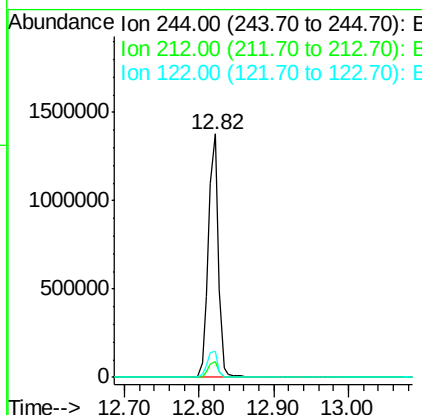
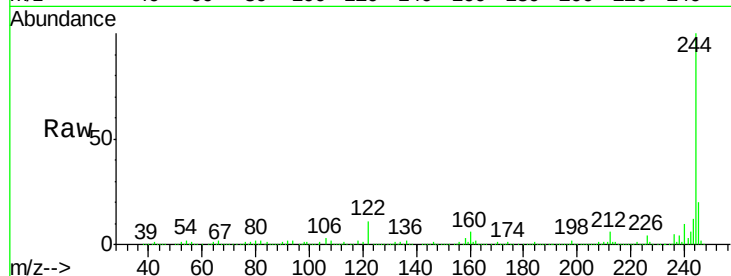




#79
 Terphenyl-d14
 Concen: 53.757 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BF113001.D
 Acq: 12 Mar 2019 14:26

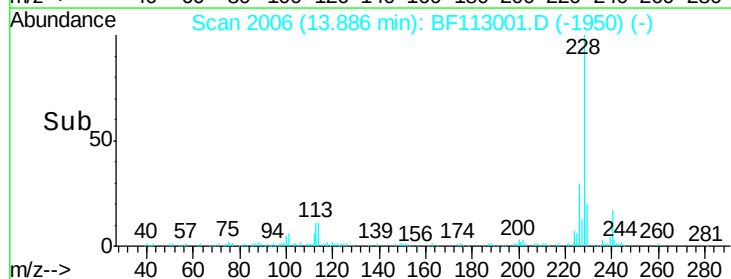
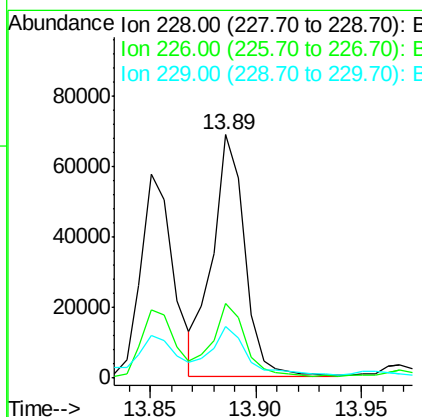
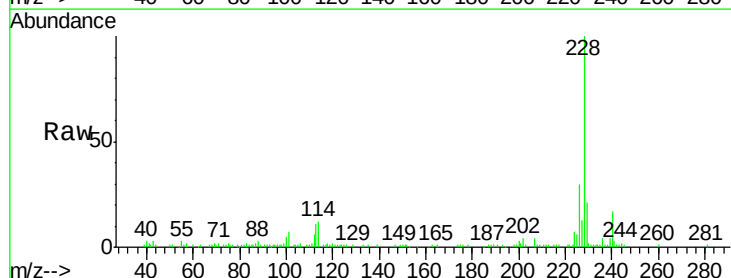
Instrument :
 BNA_F
 ClientSampleId :
 PST-027-B116-030619

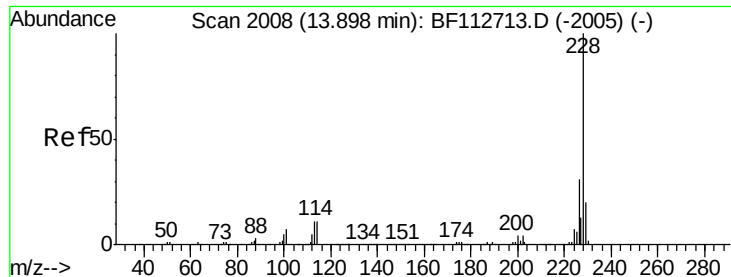
Tgt Ion:244 Resp: 1290805
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 10.6 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 2.274 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.03 min
 Lab File: BF113001.D
 Acq: 12 Mar 2019 14:26

Tgt Ion:228 Resp: 73364
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.2 33.4
 229 21.3 16.0 24.0

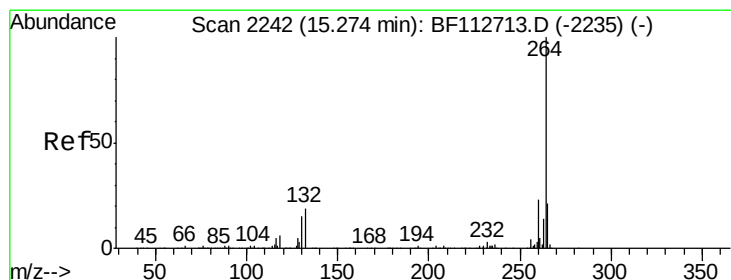
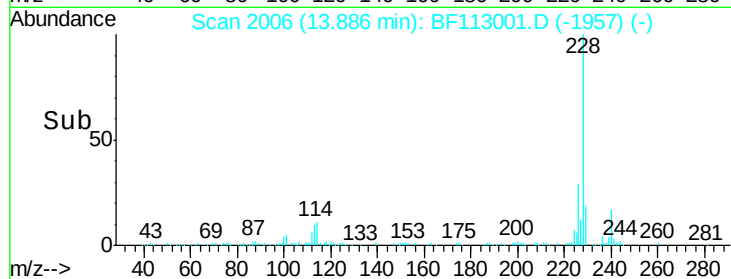
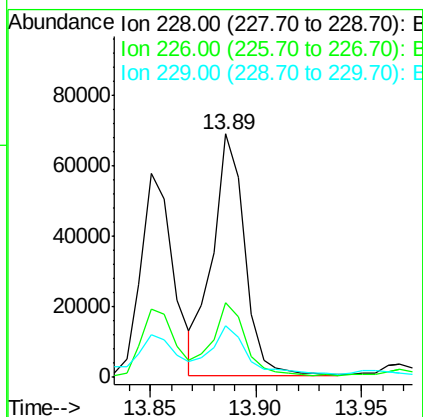
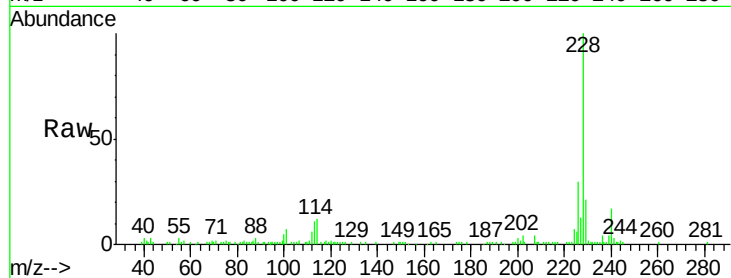




#83
Chrysene
Concen: 2.322 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113001.D
Acq: 12 Mar 2019 14:26

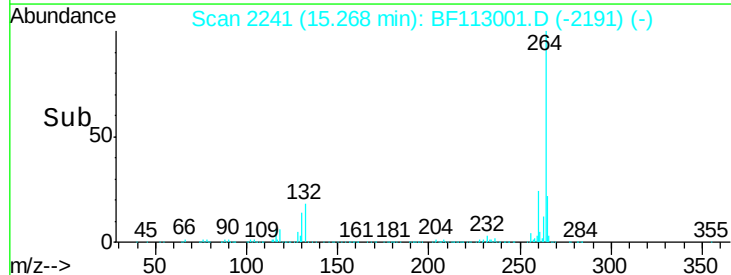
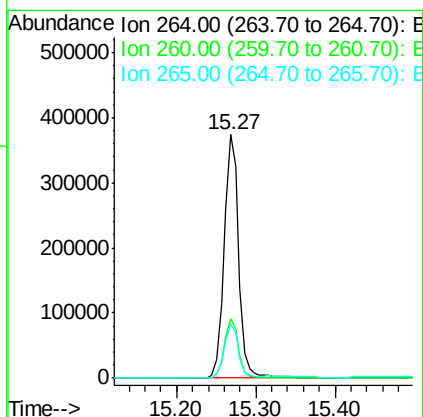
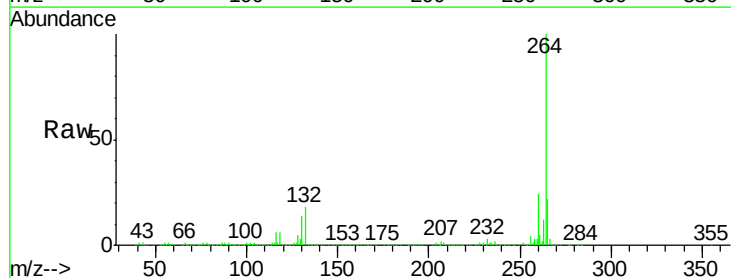
Instrument :
BNA_F
ClientSampleId :
PST-027-B116-030619

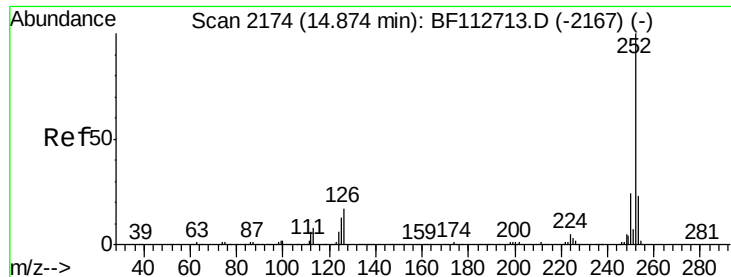
Tgt Ion: 228 Resp: 73364
Ion Ratio Lower Upper
228 100
226 30.5 24.9 37.3
229 21.3 16.3 24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113001.D
Acq: 12 Mar 2019 14:26

Tgt Ion: 264 Resp: 472159
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 22.3 17.2 25.8

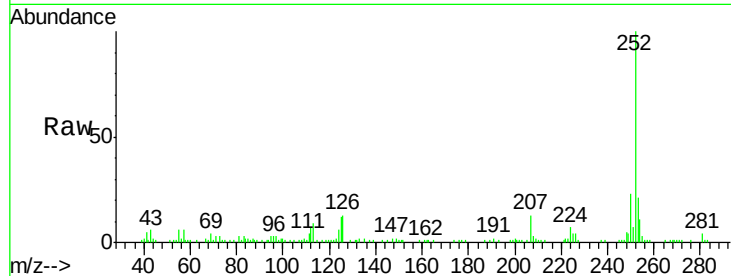




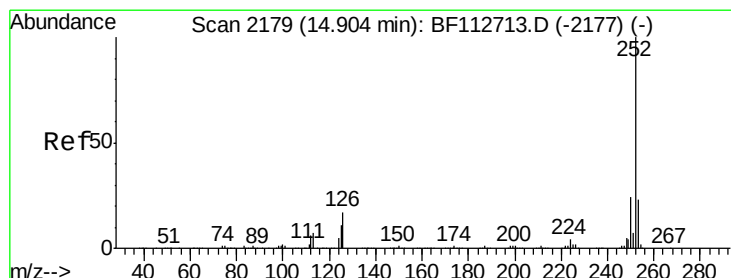
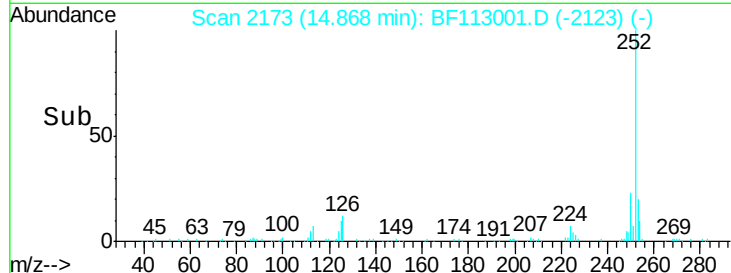
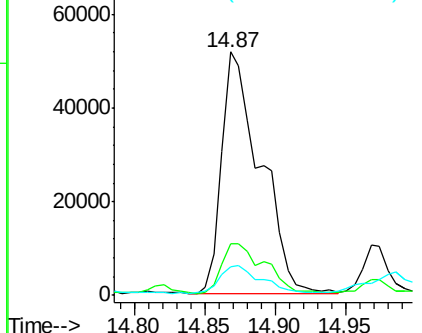
#88
Benzo(b)fluoranthene
Concen: 3.259 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113001.D
Acq: 12 Mar 2019 14:26

Instrument :
BNA_F
ClientSampleId :
PST-027-B116-030619

Tgt Ion:252 Resp: 99540
Ion Ratio Lower Upper
252 100
253 21.0 18.0 27.0
125 11.7 10.2 15.2

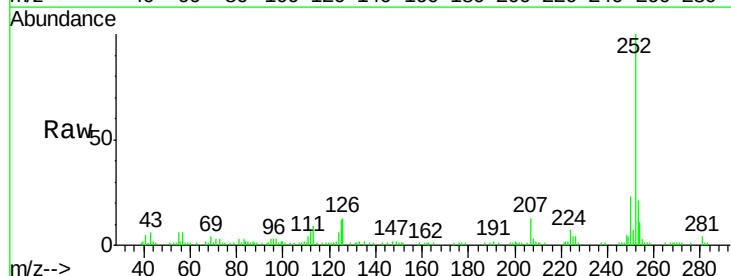


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

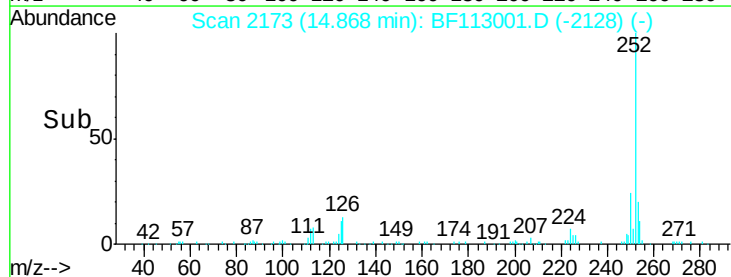
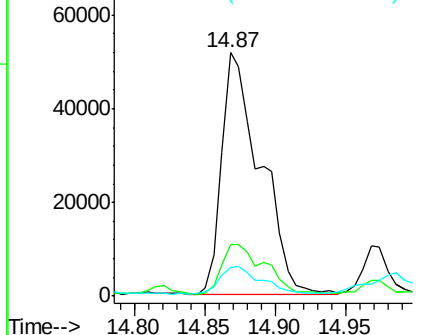


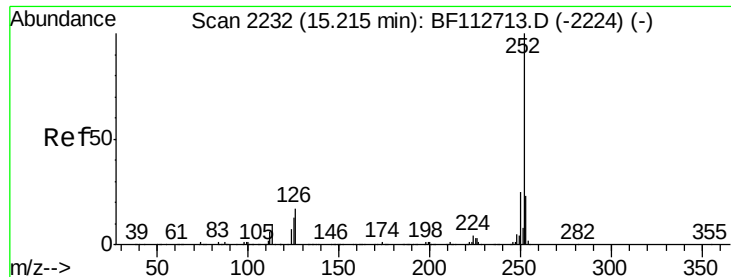
#89
Benzo(k)fluoranthene
Concen: 3.598 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF113001.D
Acq: 12 Mar 2019 14:26

Tgt Ion:252 Resp: 99540
Ion Ratio Lower Upper
252 100
253 21.0 18.2 27.2
125 11.7 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: 2.141 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF113001.D

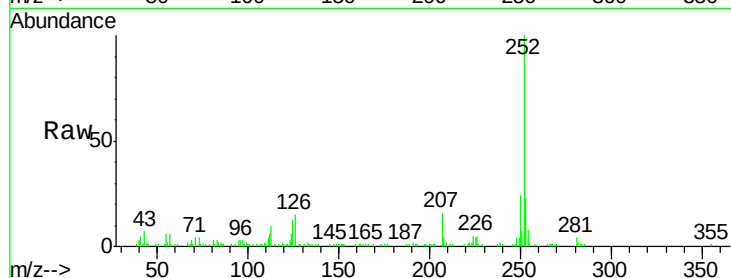
Acq: 12 Mar 2019 14:26

Instrument :

BNA_F

ClientSampleId :

PST-027-B116-030619



Tgt Ion:	252	Resp:	57833
Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	13.1	10.7	16.1

