

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122118\
 Data File : BF111701.D
 Acq On : 21 Dec 2018 21:36
 Operator : JU/SJ
 Sample : J6191-03 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-122018

Quant Time: Dec 21 22:36:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	145090	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	516005	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	232301	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	442105	20.00	ng	0.01
76) Chrysene-d12	14.06	240	363242	20.00	ng	0.01
87) Perylene-d12	15.54	264	285133	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	461903	54.26	ng	0.01
7) Phenol-d6	6.53	99	569335	52.56	ng	0.01
23) Nitrobenzene-d5	7.46	82	343959	38.80	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	156473	57.01	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	568845	35.69	ng	0.00
79) Terphenyl-d14	13.00	244	598760	31.26	ng	0.00

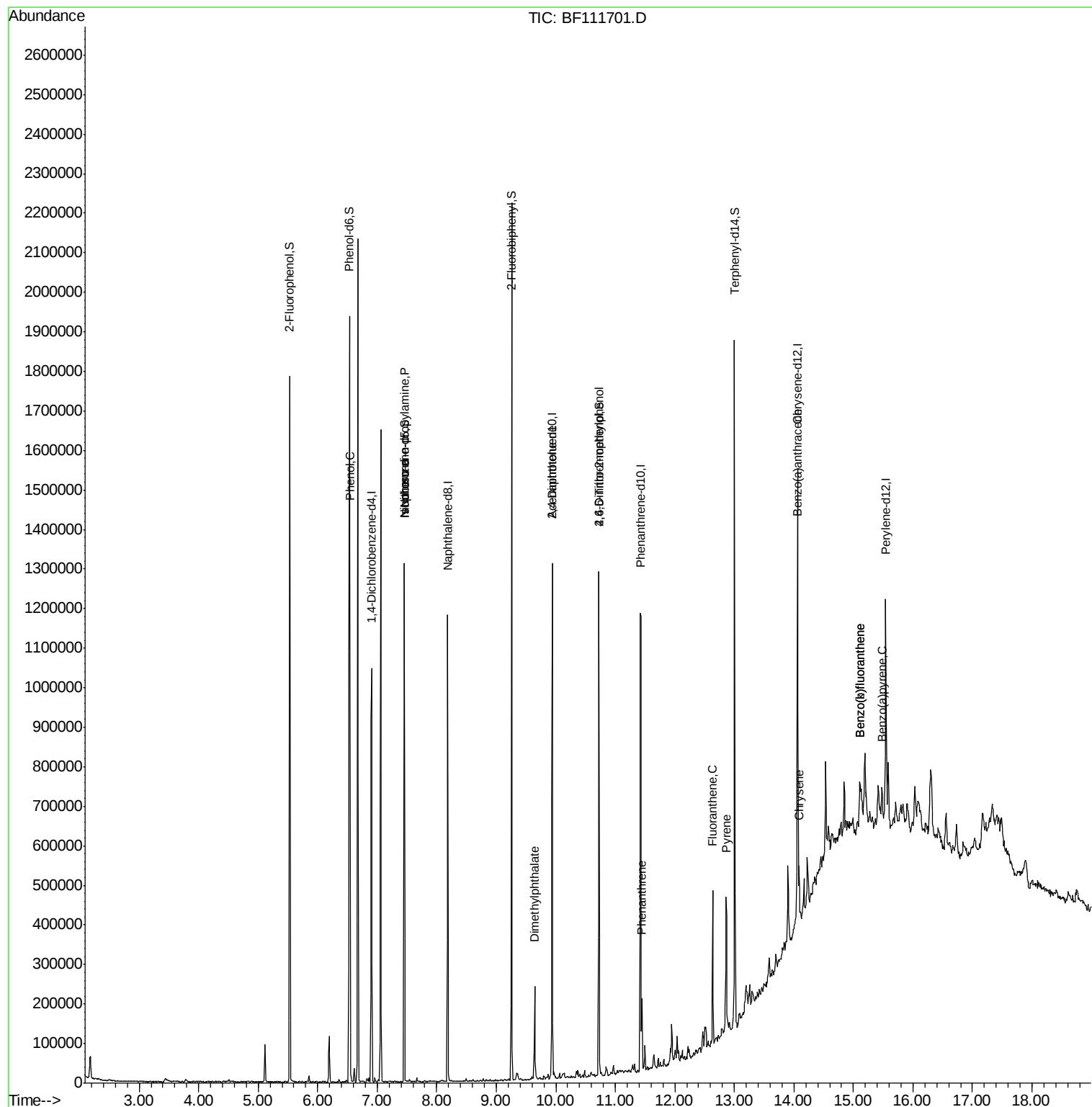
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.55	94	45633	3.733	ng	99
19) n-Nitroso-di-n-propylamine	7.46	70	46208	6.423	ng	# 76
25) Isophorone	7.46	82	343955	21.855	ng	# 64
50) Dimethylphthalate	9.65	163	86004	5.063	ng	98
57) 2,4-Dinitrotoluene	9.94	165	30297	7.442	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.72	198	301	6.835	ng	# 1
71) Phenanthrene	11.44	178	80270	3.424	ng	93
75) Fluoranthene	12.64	202	163395	6.882	ng	93
78) Pyrene	12.86	202	137633	5.366	ng	96
81) Benzo(a)anthracene	14.05	228	68354	3.297	ng	98
83) Chrysene	14.09	228	54625	2.681	ng	98
88) Benzo(b)fluoranthene	15.11	252	75201	4.513	ng	# 87
89) Benzo(k)fluoranthene	15.11	252	75201	4.740	ng	# 86
90) Benzo(a)pyrene	15.48	252	38524	2.545	ng	# 91

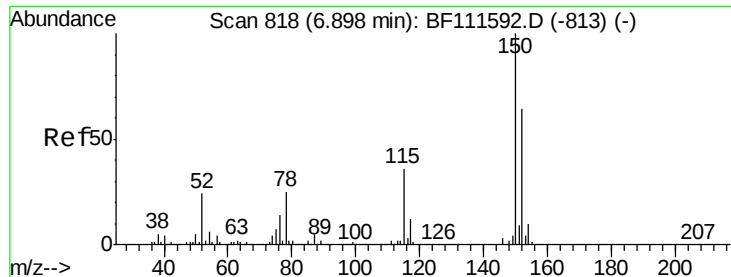
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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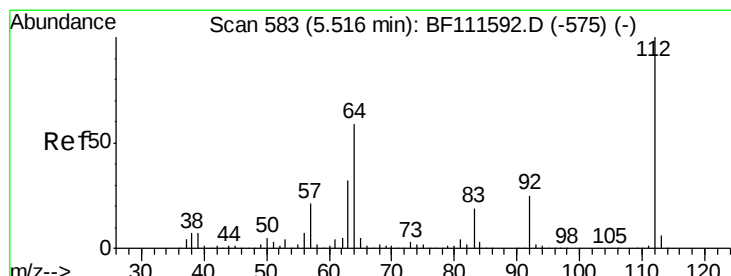
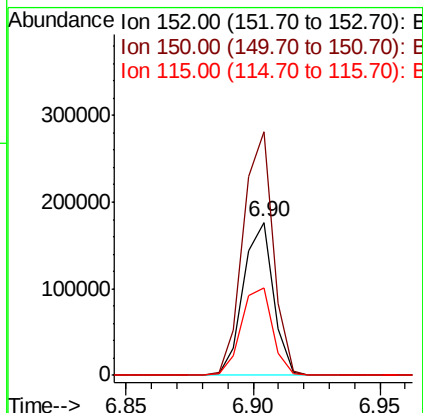
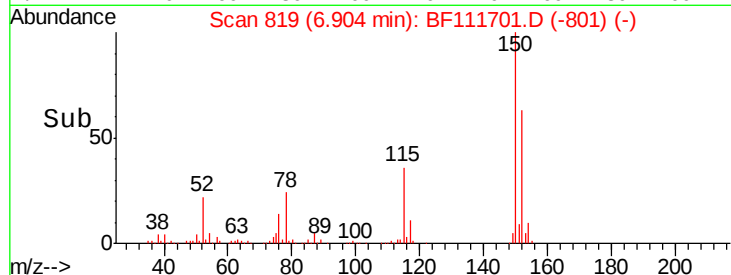
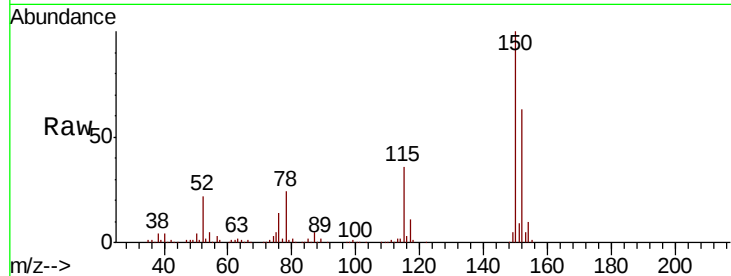


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Instrument :
BNA_F
ClientSampleId :
HD-01-122018

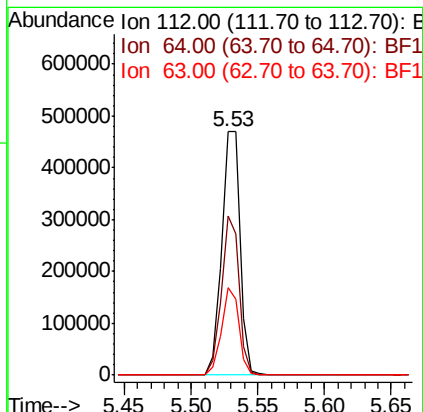
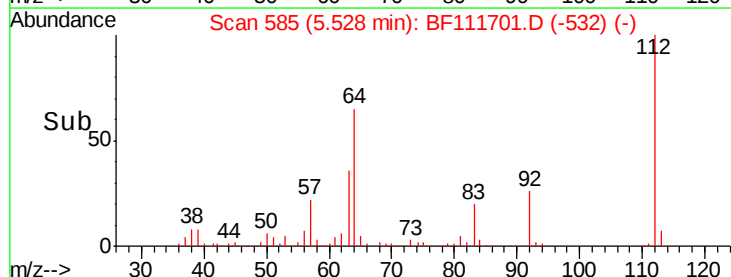
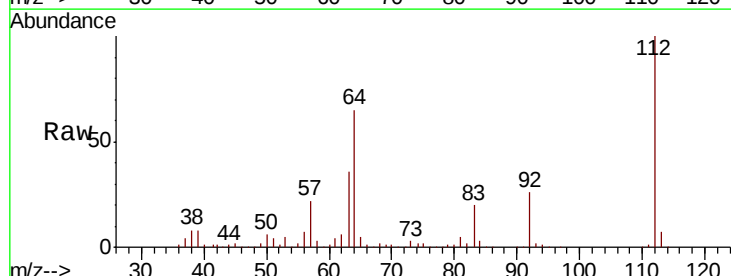
Tgt Ion:152 Resp: 145090
Ion Ratio Lower Upper
152 100
150 159.2 126.6 189.8
115 57.6 50.7 76.1

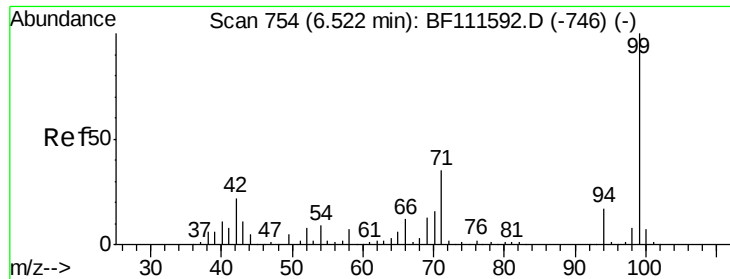


#5

2-Fluorophenol
Concen: 54.265 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Tgt Ion:112 Resp: 461903
Ion Ratio Lower Upper
112 100
64 65.3 51.8 77.6
63 35.9 26.8 40.2





#7

Phenol-d6

Concen: 52.557 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF111701.D

Acq: 21 Dec 2018 21:36

Instrument :

BNA_F

ClientSampleId :

HD-01-122018

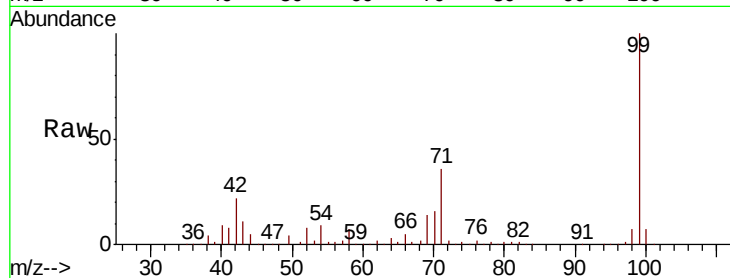
Tgt Ion: 99 Resp: 569335

Ion Ratio Lower Upper

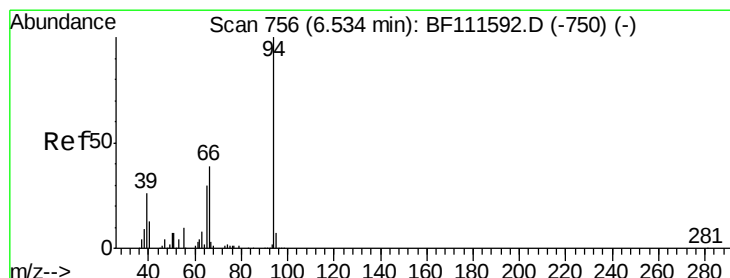
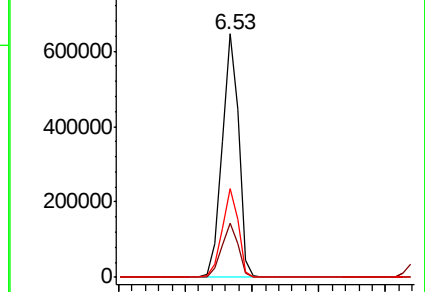
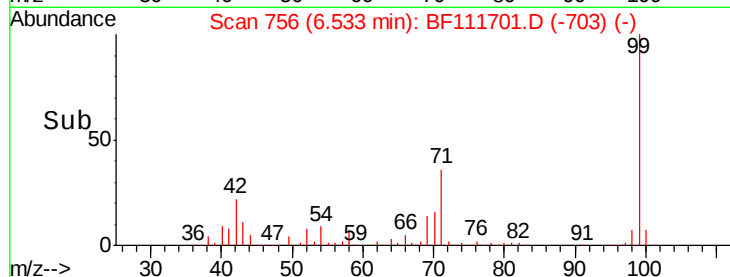
99 100

42 22.1 17.4 26.0

71 36.5 26.1 39.1



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: 3.733 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF111701.D

Acq: 21 Dec 2018 21:36

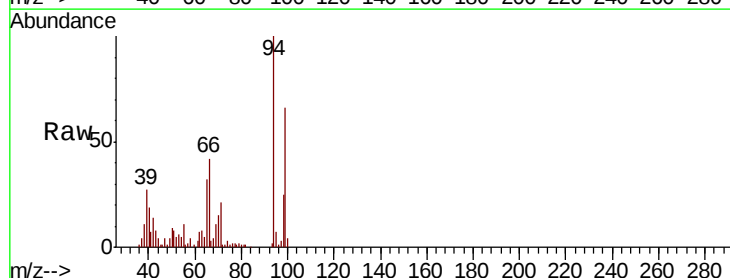
Tgt Ion: 94 Resp: 45633

Ion Ratio Lower Upper

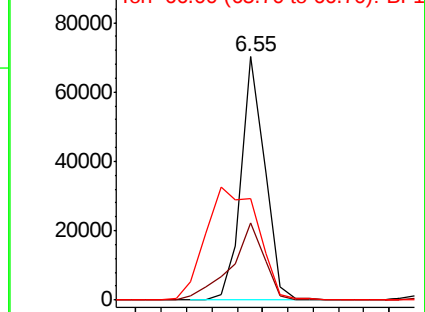
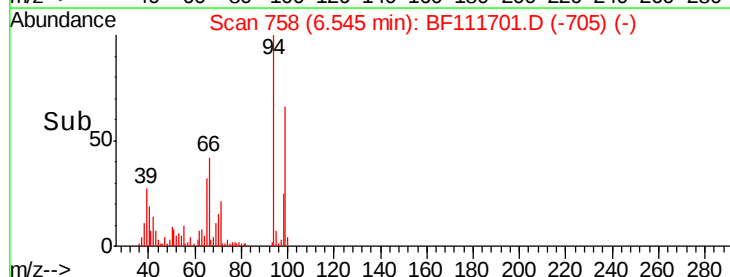
94 100

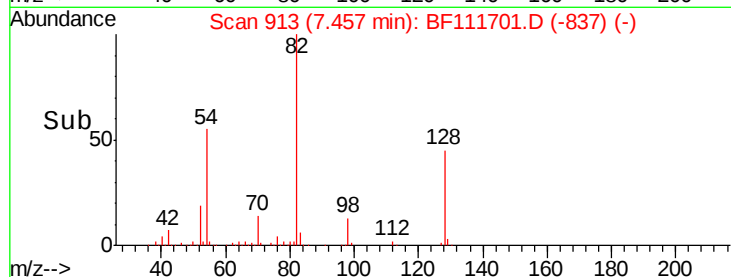
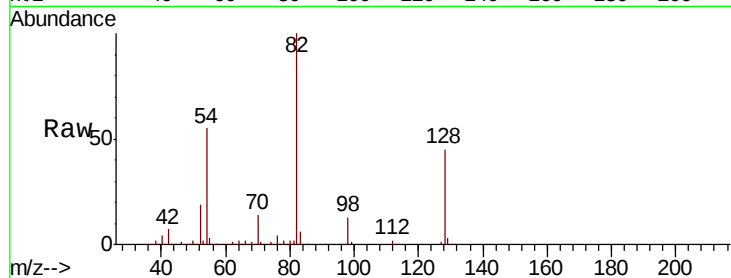
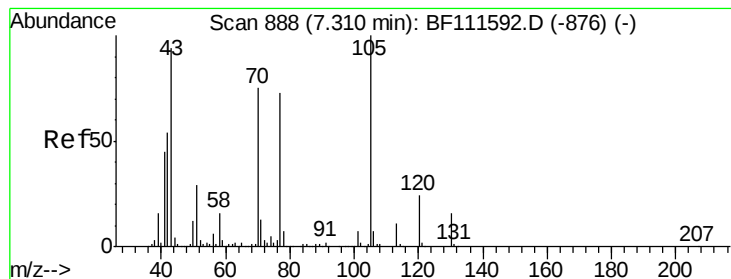
65 31.5 11.7 51.7

66 41.7 21.0 61.0



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: 6.423 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.15 min

Lab File: BF111701.D

Acq: 21 Dec 2018 21:36

Instrument :

BNA_F

ClientSampleId :

HD-01-122018

Tgt Ion: 70 Resp: 46208

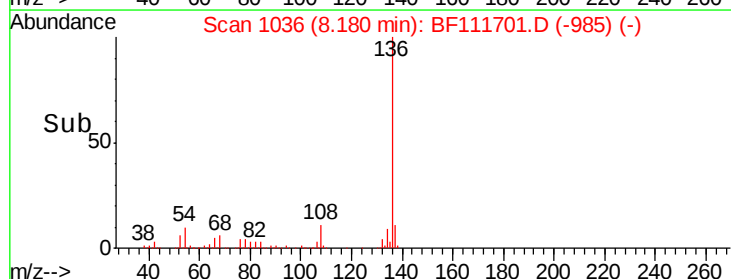
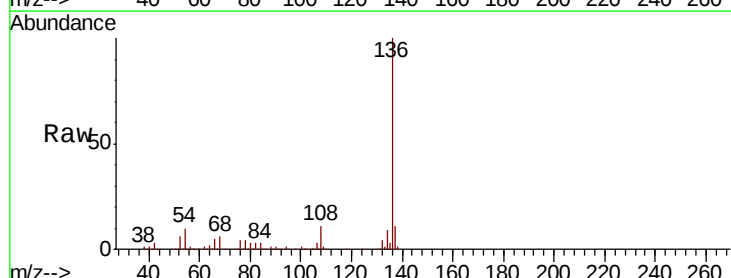
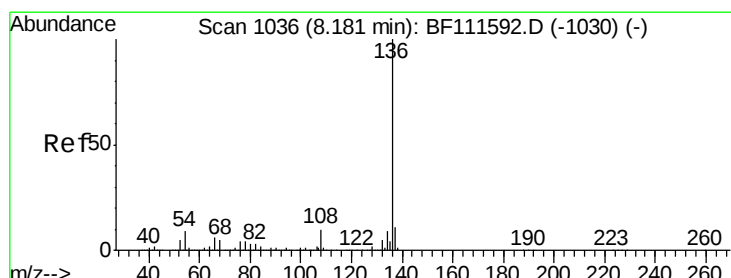
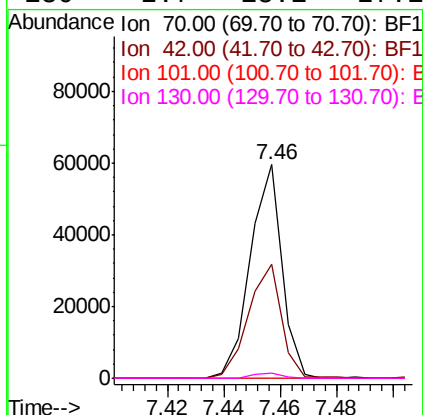
Ion Ratio Lower Upper

70 100

42 53.1 53.2 79.8#

101 0.0 8.2 12.4#

130 2.7 18.1 27.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF111701.D

Acq: 21 Dec 2018 21:36

Tgt Ion: 136 Resp: 516005

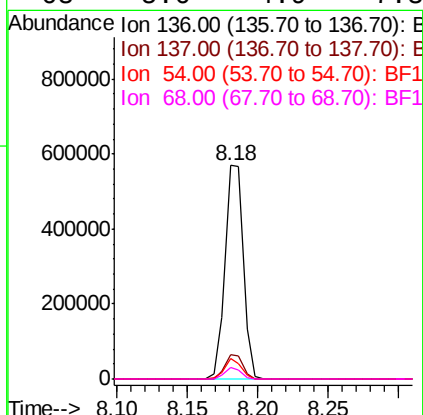
Ion Ratio Lower Upper

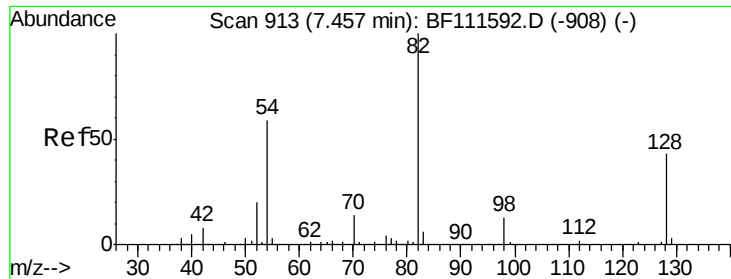
136 100

137 11.3 9.1 13.7

54 9.5 7.7 11.5

68 5.6 4.9 7.3

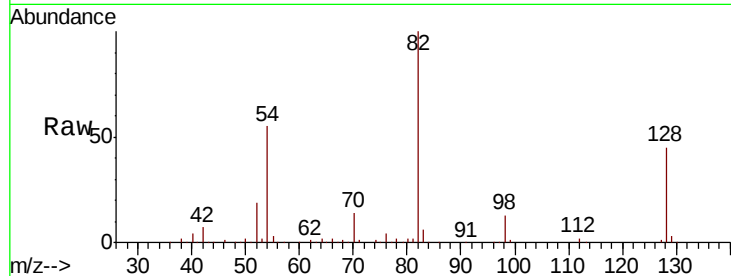




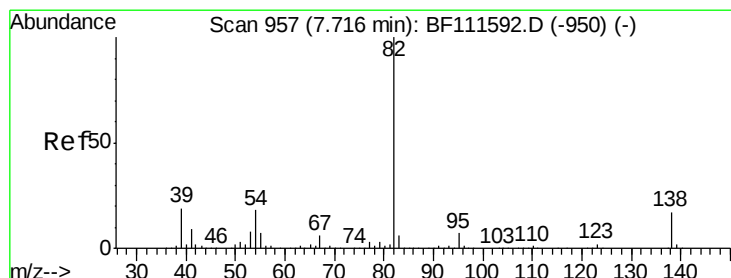
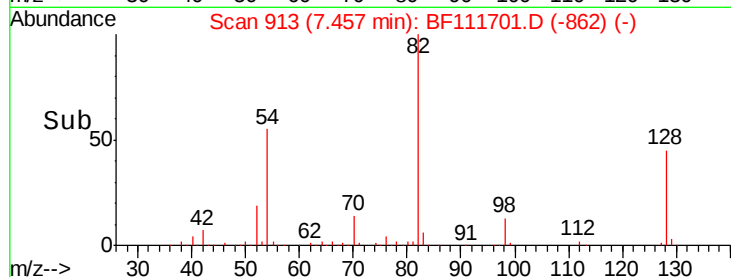
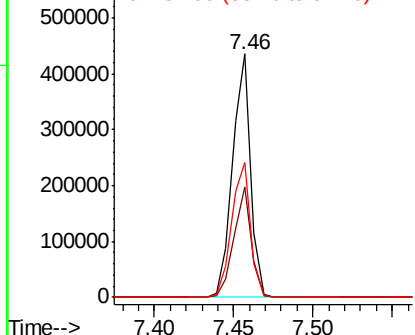
#23
 Nitrobenzene-d5
 Concen: 38.800 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: BF111701.D
 Acq: 21 Dec 2018 21:36

Instrument :
 BNA_F
 ClientSampleID :
 HD-01-122018

Tgt Ion: 82 Resp: 343959
 Ion Ratio Lower Upper
 82 100
 128 45.1 37.4 56.2
 54 55.5 47.6 71.4

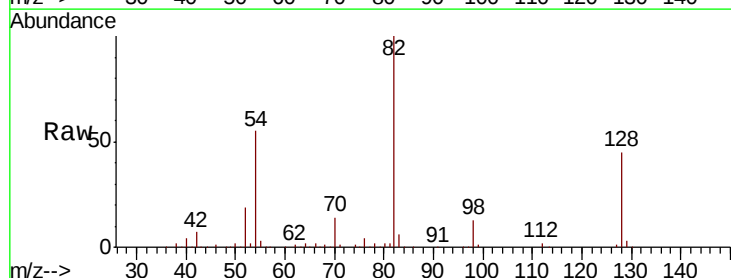


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

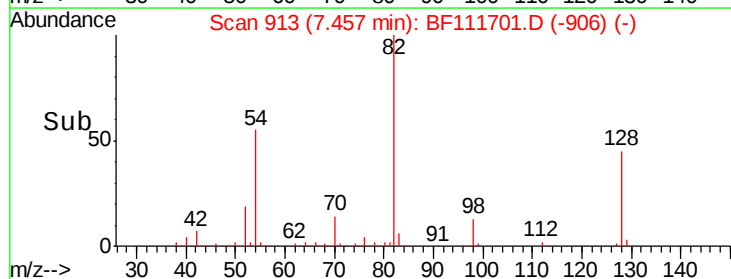
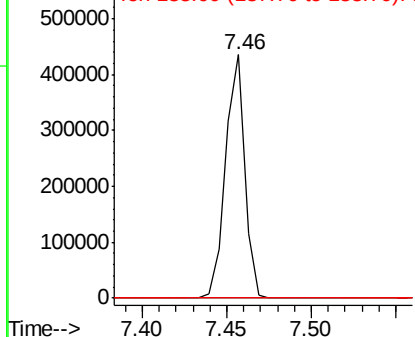


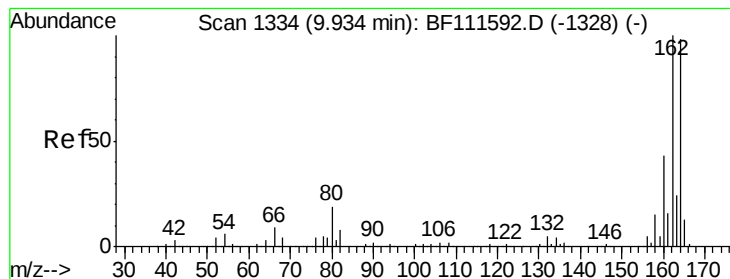
#25
 Isophorone
 Concen: 21.855 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.26 min
 Lab File: BF111701.D
 Acq: 21 Dec 2018 21:36

Tgt Ion: 82 Resp: 343955
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 15.1 22.7#



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: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF111701.D

Acq: 21 Dec 2018 21:36

Instrument :

BNA_F

ClientSampleId :

HD-01-122018

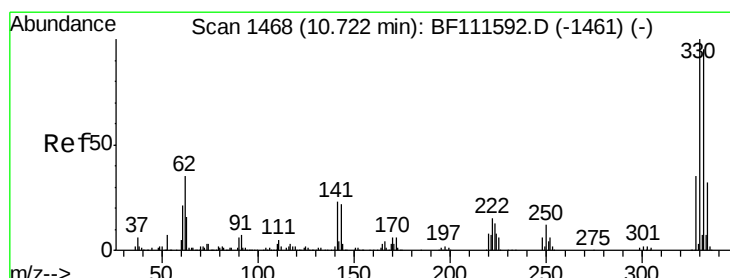
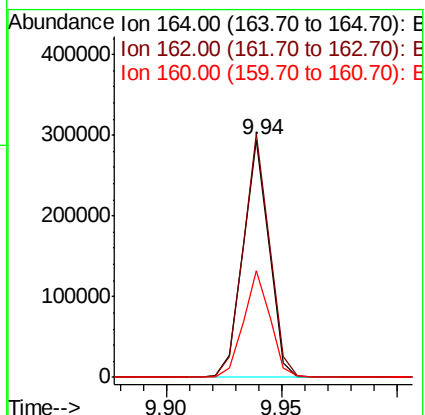
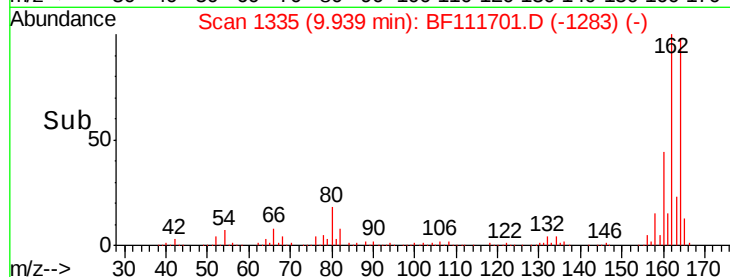
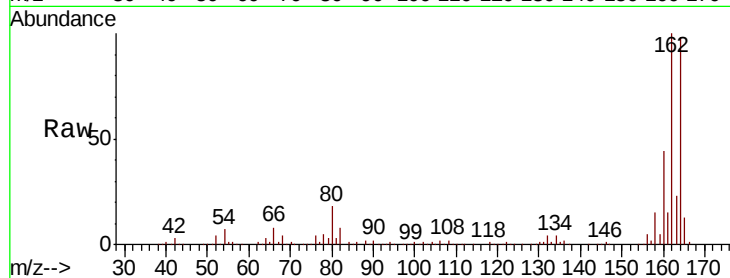
Tgt Ion:164 Resp: 232301

Ion Ratio Lower Upper

164 100

162 102.4 81.4 122.0

160 44.9 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 57.007 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF111701.D

Acq: 21 Dec 2018 21:36

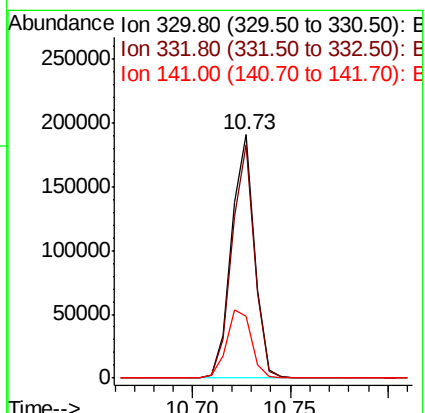
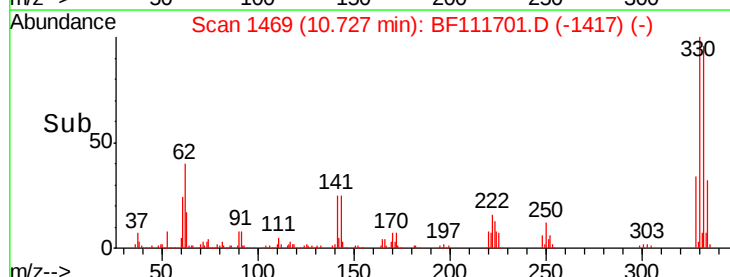
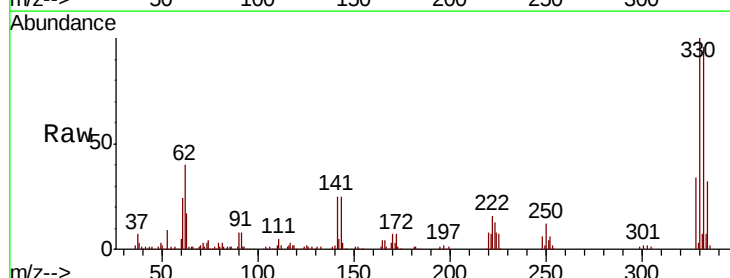
Tgt Ion:330 Resp: 156473

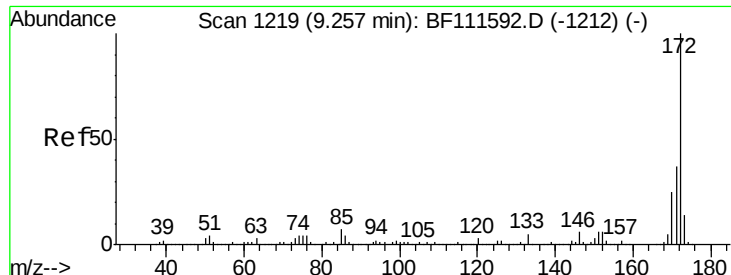
Ion Ratio Lower Upper

330 100

332 94.5 76.0 114.0

141 30.2 31.0 46.6#

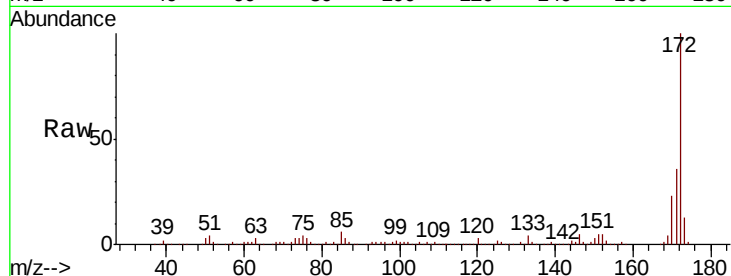




#45
 2-Fluorobiphenyl
 Concen: 35.692 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF111701.D
 Acq: 21 Dec 2018 21:36

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-122018

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	33.0	49.4
170	22.9	22.3	33.5

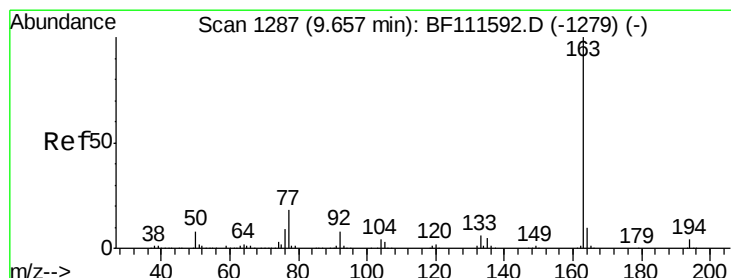
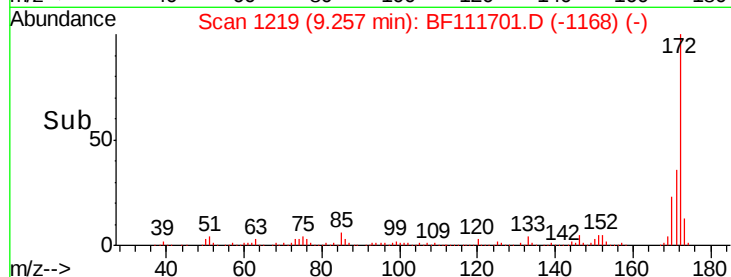
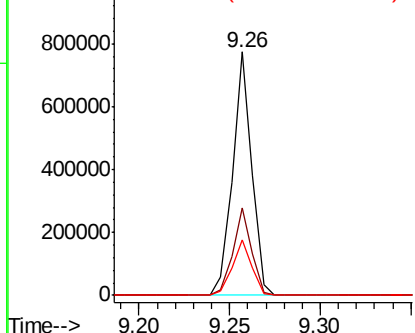


Abundance

Ion 172.00 (171.70 to 172.70): E

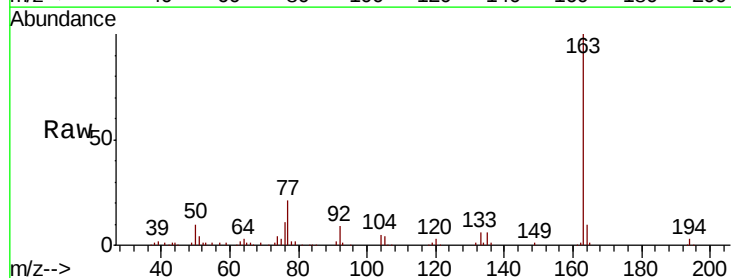
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
 Dimethylphthalate
 Concen: 5.063 ng
 RT: 9.65 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: BF111701.D
 Acq: 21 Dec 2018 21:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.6
164	10.4	8.9	13.3

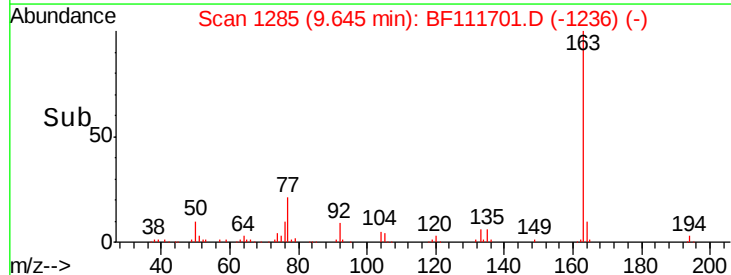
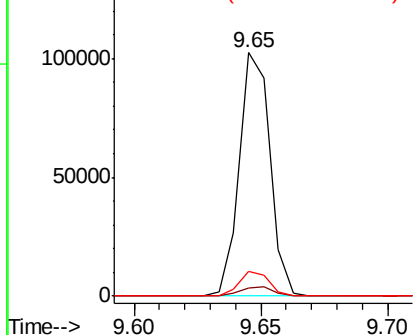


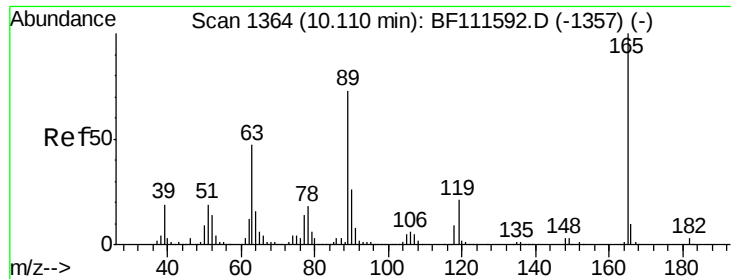
Abundance

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

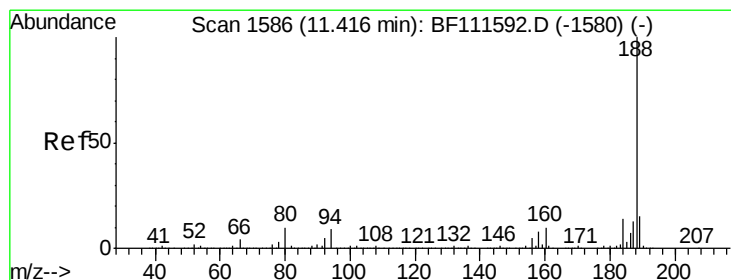
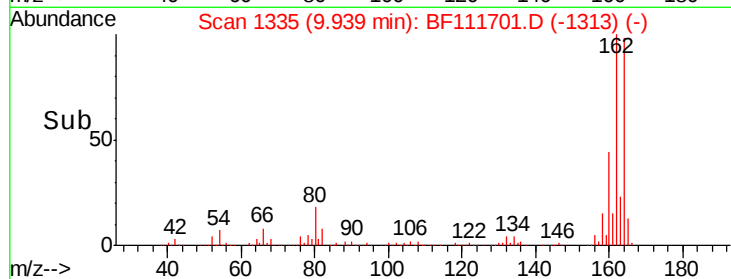
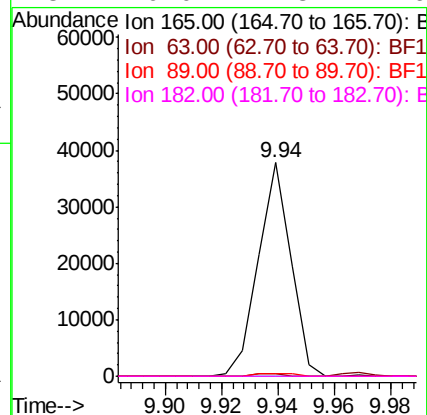
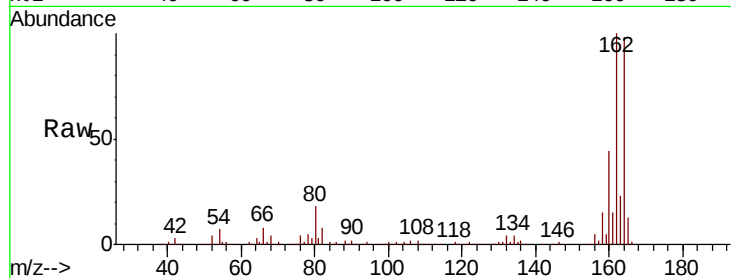




#57
 2,4-Dinitrotoluene
 Concen: 7.442 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.17 min
 Lab File: BF111701.D
 Acq: 21 Dec 2018 21:36

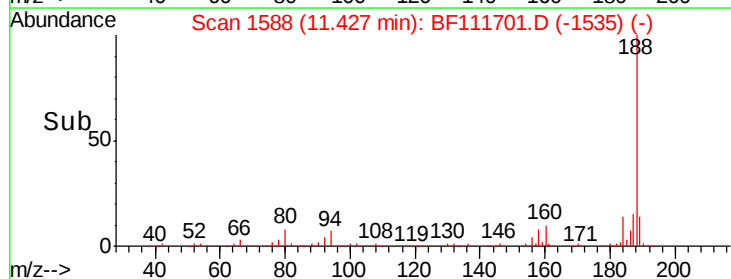
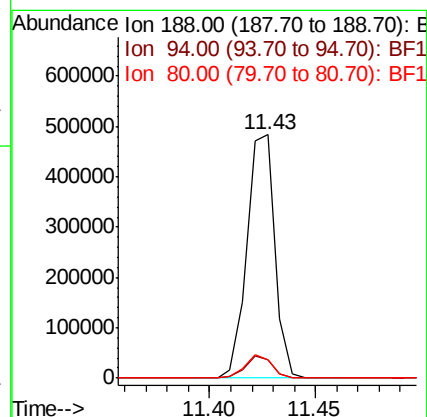
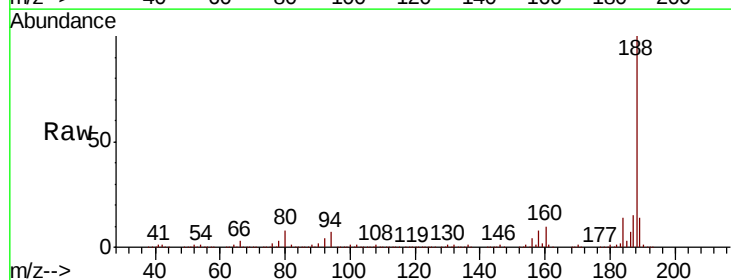
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-122018

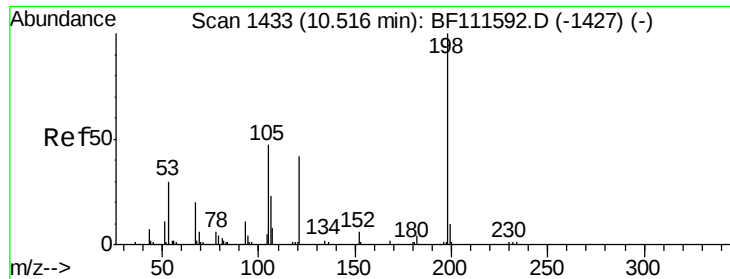
Tgt Ion:	165	Resp:	30297
Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.6	52.0#
89	1.5	56.2	84.4#
182	0.0	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.01 min
 Lab File: BF111701.D
 Acq: 21 Dec 2018 21:36

Tgt Ion:	188	Resp:	442105
Ion	Ratio	Lower	Upper
188	100		
94	7.5	9.6	14.4#
80	7.7	9.8	14.6#

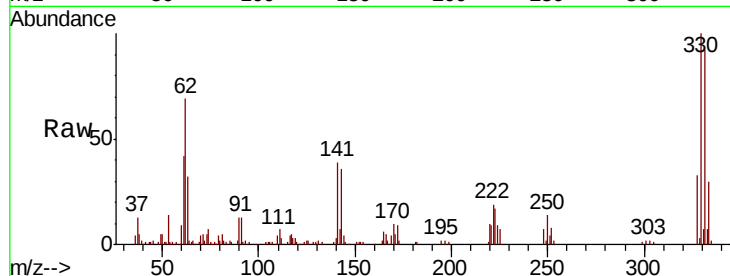




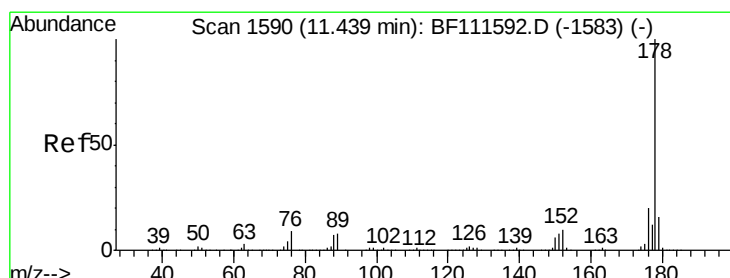
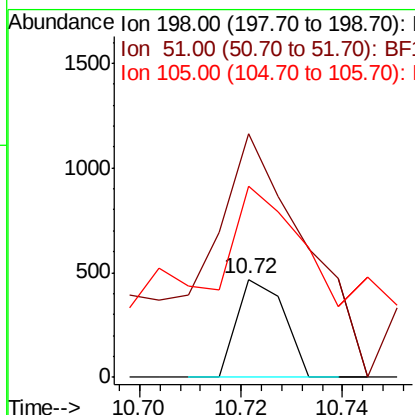
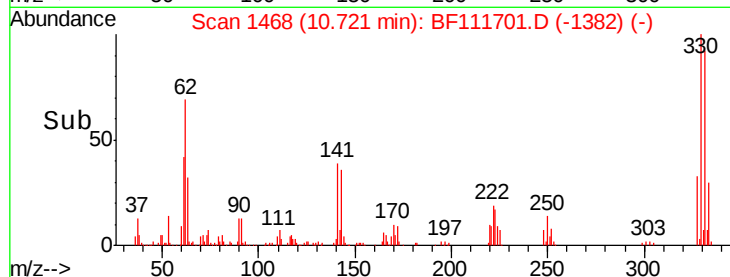
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.835 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.21 min
 Lab File: BF111701.D
 Acq: 21 Dec 2018 21:36

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-122018

Tgt Ion:198 Resp: 301
 Ion Ratio Lower Upper
 198 100
 51 248.5 48.0 88.0#
 105 194.9 34.0 74.0#

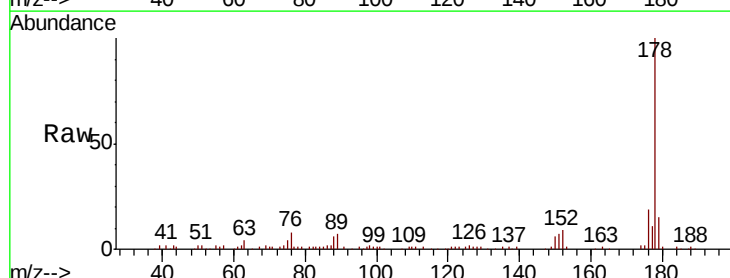


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

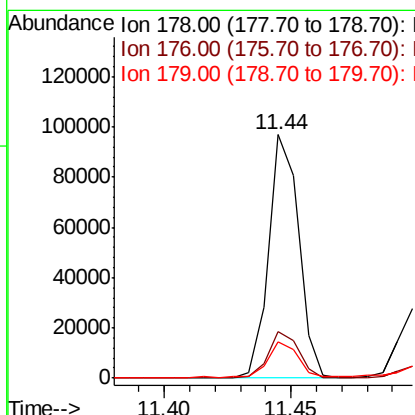
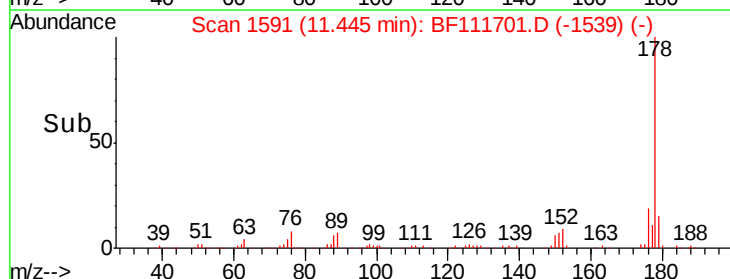


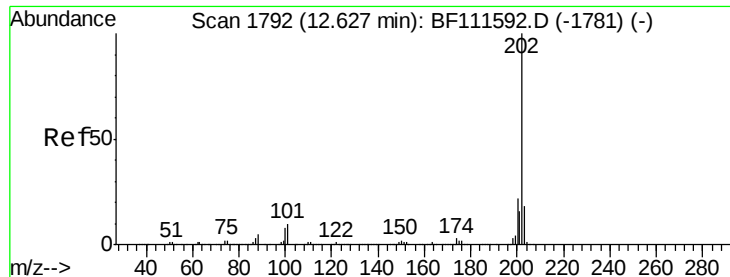
#71
 Phenanthrene
 Concen: 3.424 ng
 RT: 11.44 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: BF111701.D
 Acq: 21 Dec 2018 21:36

Tgt Ion:178 Resp: 80270
 Ion Ratio Lower Upper
 178 100
 176 19.1 18.1 27.1
 179 14.8 14.0 21.0



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: 6.882 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF111701.D

Acq: 21 Dec 2018 21:36

Instrument :

BNA_F

ClientSampleId :

HD-01-122018

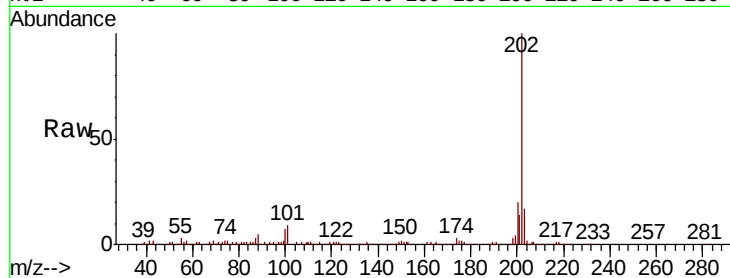
Tgt Ion:202 Resp: 163395

Ion Ratio Lower Upper

202 100

101 9.1 0.0 33.8

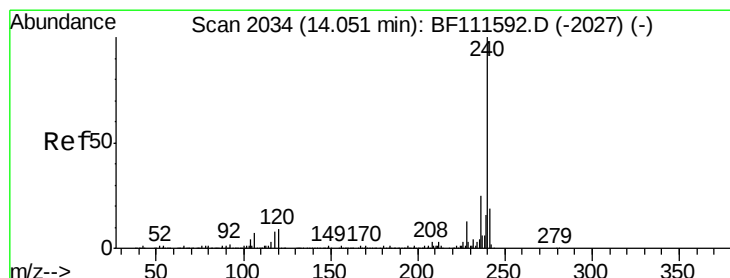
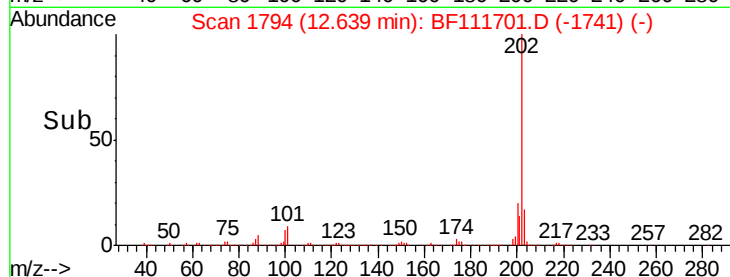
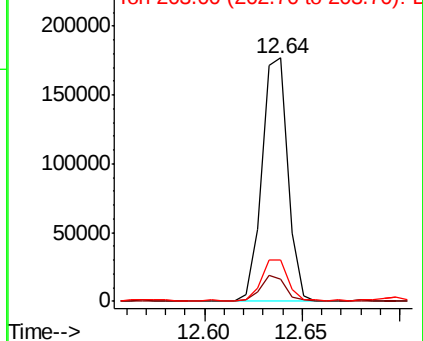
203 17.1 0.0 38.6



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: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF111701.D

Acq: 21 Dec 2018 21:36

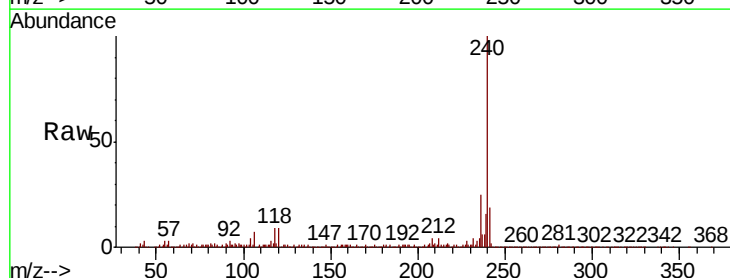
Tgt Ion:240 Resp: 363242

Ion Ratio Lower Upper

240 100

120 9.5 12.2 18.2#

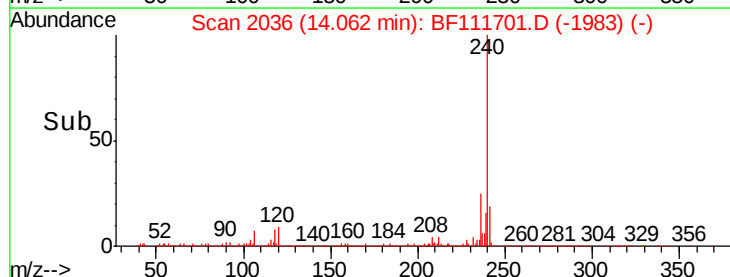
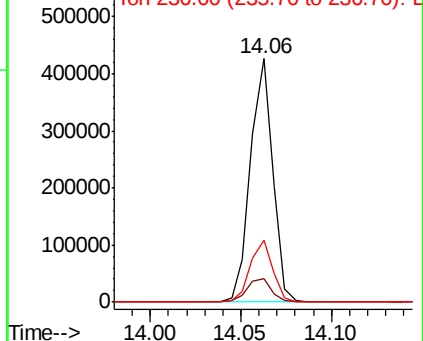
236 25.5 20.2 30.2

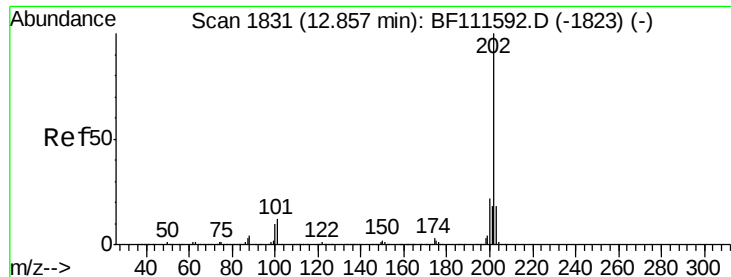


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

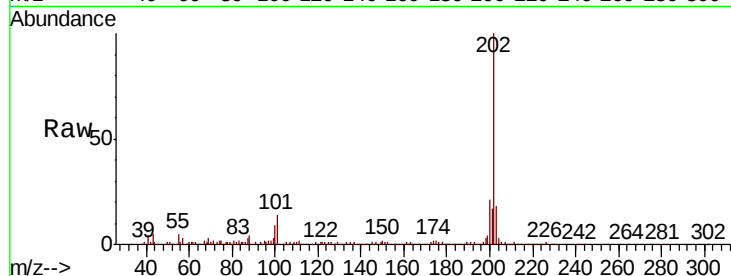




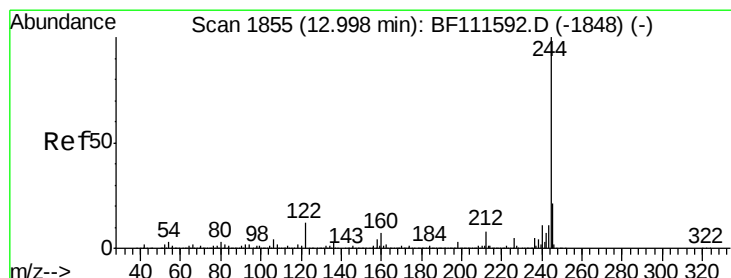
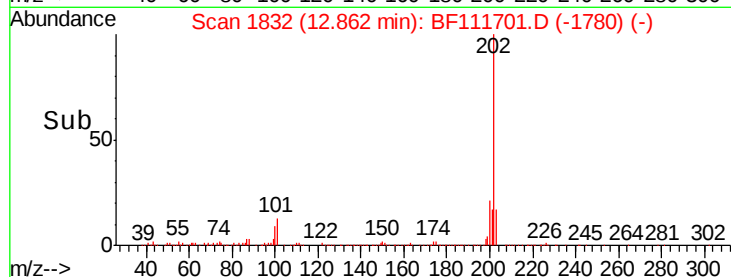
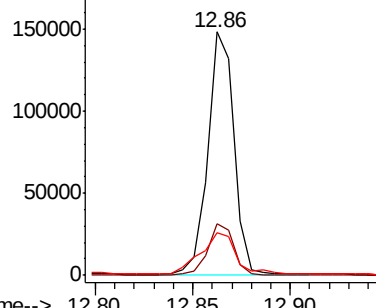
#78
Pyrene
Concen: 5.366 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Instrument :
BNA_F
ClientSampleId :
HD-01-122018

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	19.0	28.4
203	17.8	15.2	22.8

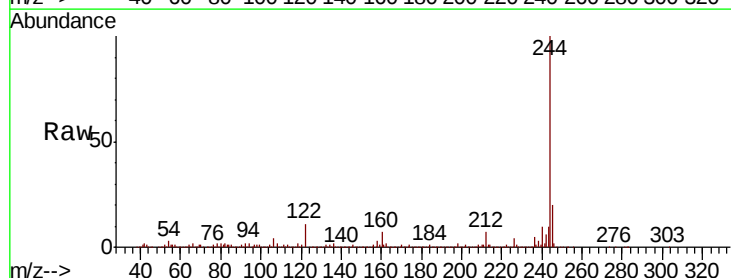


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

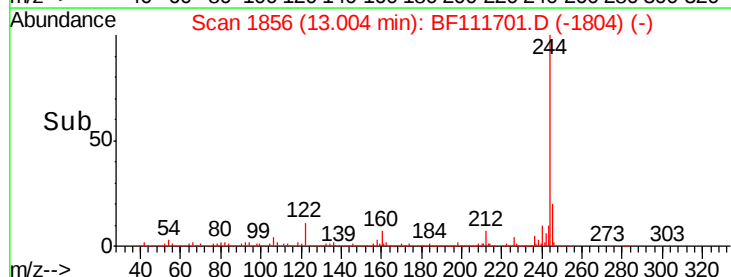
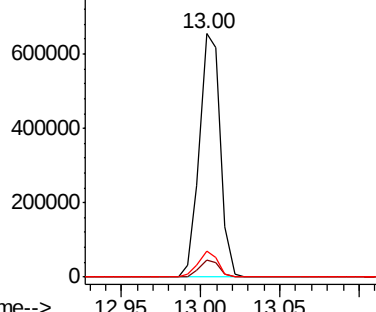


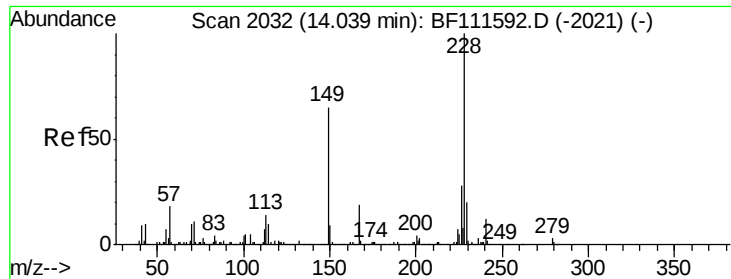
#79
Terphenyl-d14
Concen: 31.260 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	10.6	13.1	19.7#



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

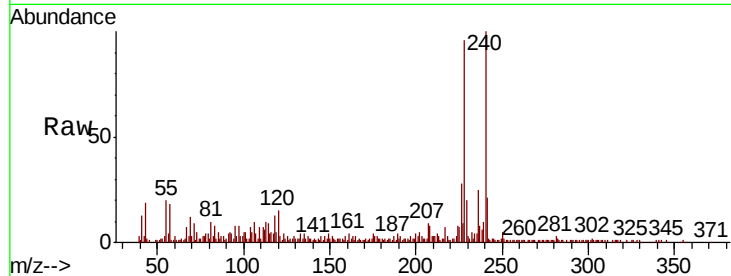




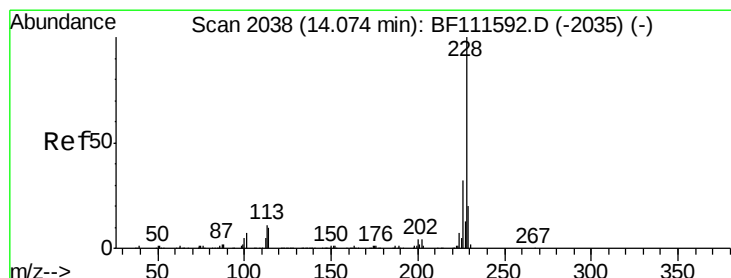
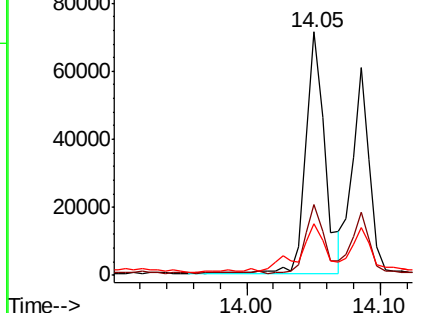
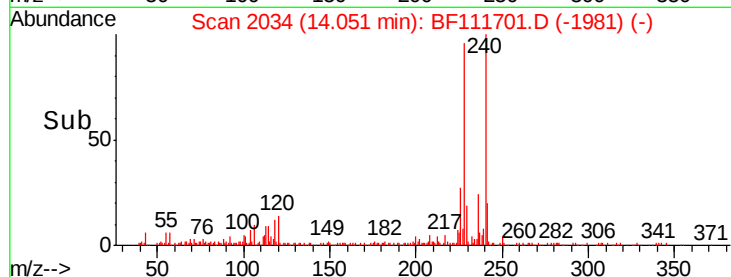
#81
Benzo(a)anthracene
Concen: 3.297 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Instrument :
BNA_F
ClientSampleId :
HD-01-122018

Tgt Ion:228 Resp: 68354
Ion Ratio Lower Upper
228 100
226 29.3 22.6 34.0
229 21.1 16.3 24.5

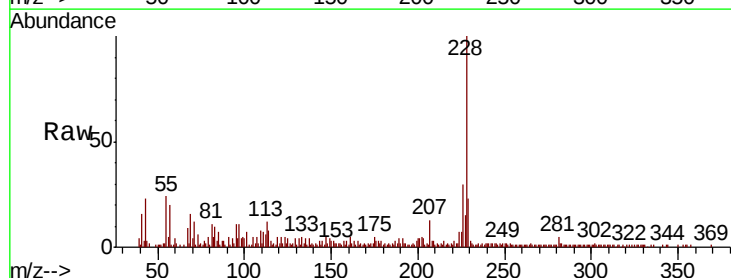


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

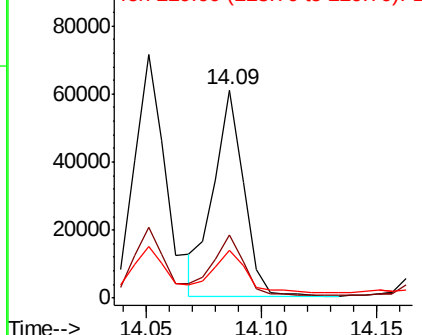
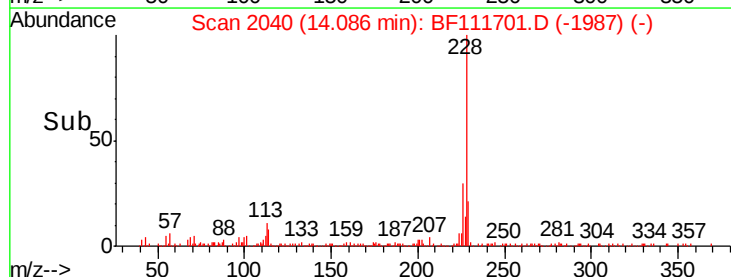


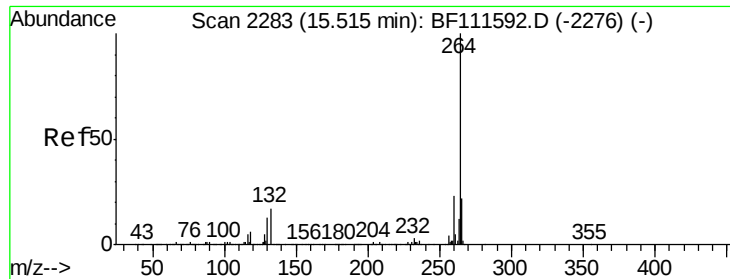
#83
Chrysene
Concen: 2.681 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Tgt Ion:228 Resp: 54625
Ion Ratio Lower Upper
228 100
226 30.4 25.3 37.9
229 22.6 17.2 25.8



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

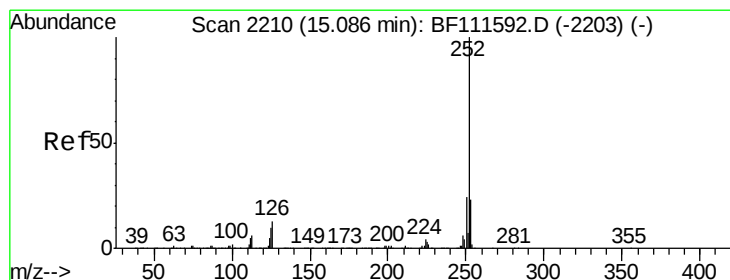
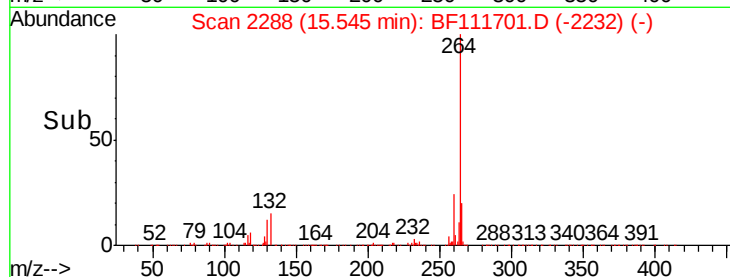
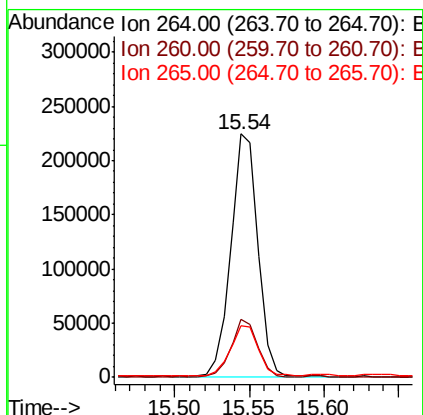
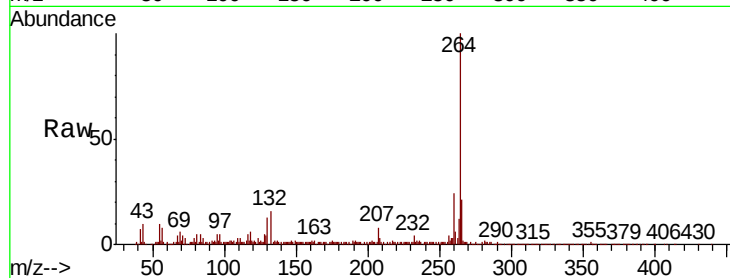




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.03 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

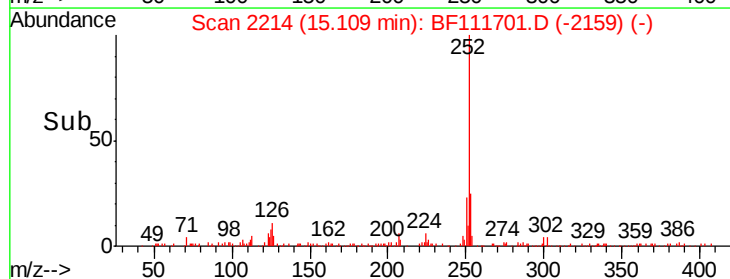
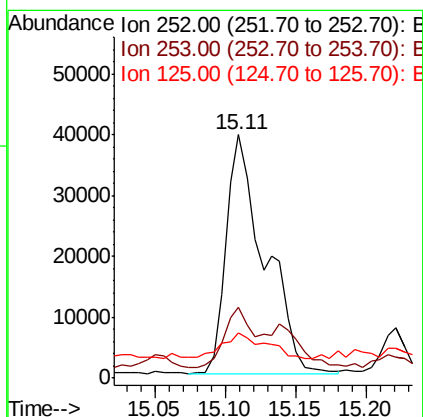
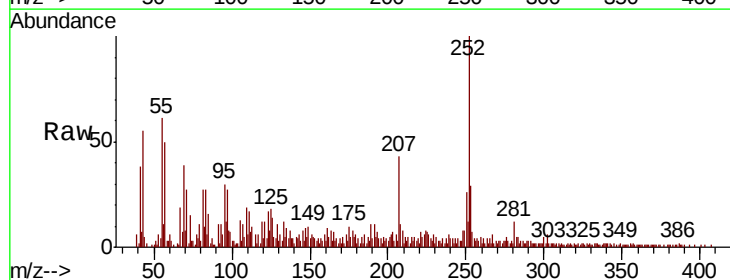
Instrument :
BNA_F
ClientSampleId :
HD-01-122018

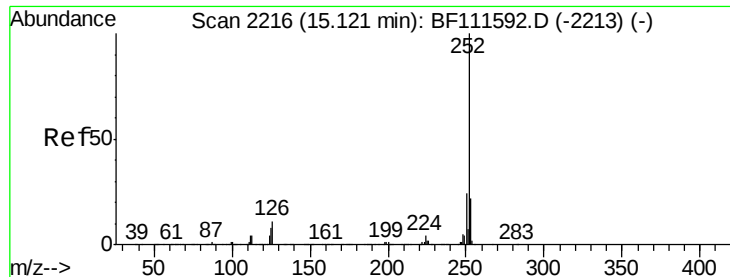
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.3	27.5
265	21.2	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 4.513 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.02 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.0	18.2	27.2#
125	18.4	10.4	15.6#





#89

Benzo(k)fluoranthene

Concen: 4.740 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF111701.D

Acq: 21 Dec 2018 21:36

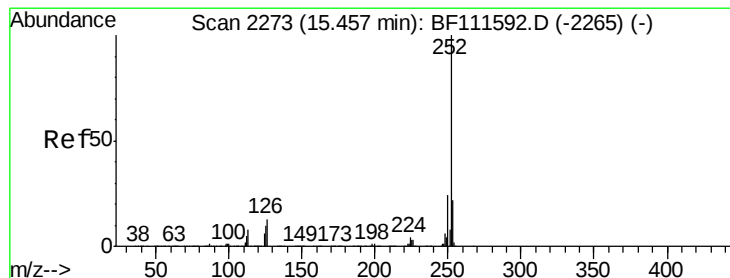
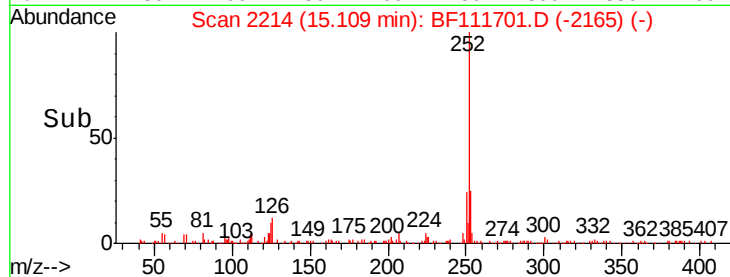
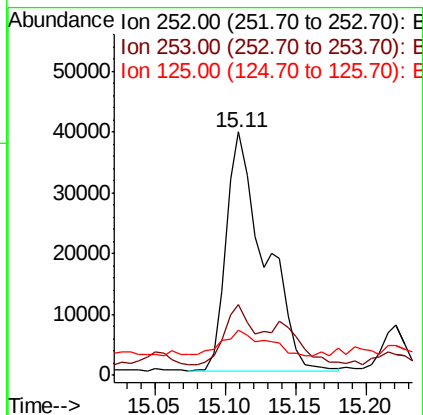
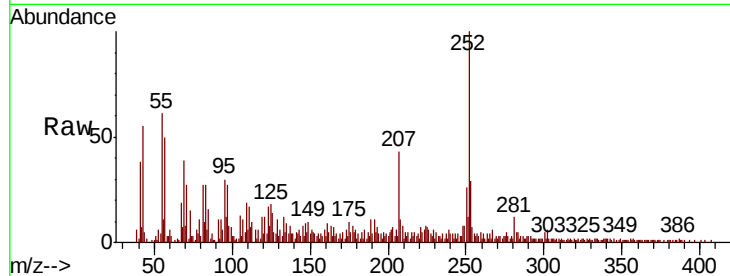
Instrument :

BNA_F

ClientSampleId :

HD-01-122018

Tgt Ion:	252	Resp:	75201
Ion Ratio	Lower	Upper	
252	100		
253	29.0	18.1	27.1#
125	18.4	9.8	14.8#



#90

Benzo(a)pyrene

Concen: 2.545 ng

RT: 15.48 min Scan# 2277

Delta R.T. 0.02 min

Lab File: BF111701.D

Acq: 21 Dec 2018 21:36

Tgt Ion:	252	Resp:	38524
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.8	26.8
125	19.6	12.3	18.5#

