

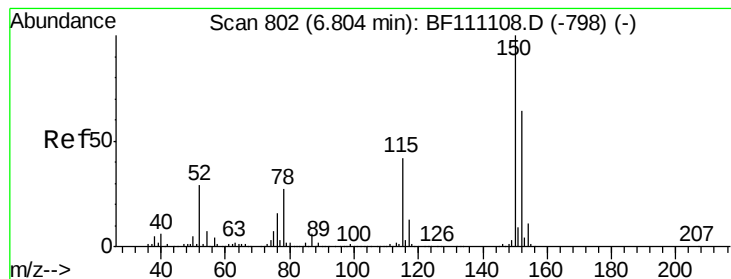
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120718\
 Data File : BF111197.D
 Acq On : 7 Dec 2018 19:59
 Operator : JU/SJ
 Sample : J6214-15
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(10-12)

Quant Time: Dec 07 22:26:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	368857	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1750578	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	851895	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1302028	20.00	ng	0.00
76) Chrysene-d12	13.96	240	1019557	20.00	ng	0.00
87) Perylene-d12	15.39	264	843740	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	2355056	99.63	ng	0.00
7) Phenol-d6	6.43	99	2862191	94.00	ng	0.00
23) Nitrobenzene-d5	7.36	82	1596524	53.99	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	648020	95.70	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2981190	60.66	ng	0.00
79) Terphenyl-d14	12.91	244	2318791	46.58	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	6124	Below Cal		Qvalue
10) Phenol	6.45	94	201649	6.074 ng	#	1
19) n-Nitroso-di-n-propylamine	7.36	70	213788	10.448 ng	#	73
25) Isophorone	7.36	82	1589131	29.284 ng	#	65
50) Dimethylphthalate	9.55	163	478230	8.066 ng		99
57) 2,4-Dinitrotoluene	9.84	165	111555	6.872 ng	#	23
67) 4-Bromophenyl-phenylether	10.62	248	43626	3.165 ng	#	1
75) Fluoranthene	12.53	202	216125	3.527 ng		96
78) Pyrene	12.76	202	211226	2.659 ng		93
88) Benzo(b)fluoranthene	14.97	252	191678	4.009 ng		96
89) Benzo(k)fluoranthene	14.97	252	191678	4.147 ng		96
90) Benzo(a)pyrene	15.33	252	112309	2.561 ng		99

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

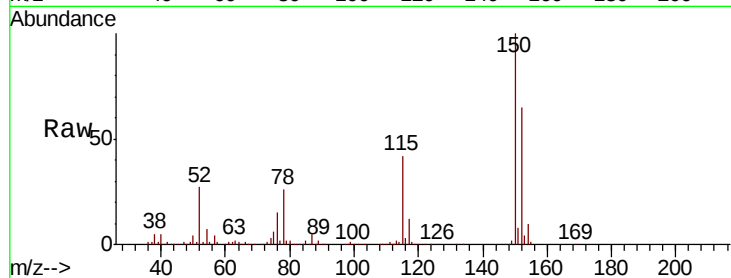


#1

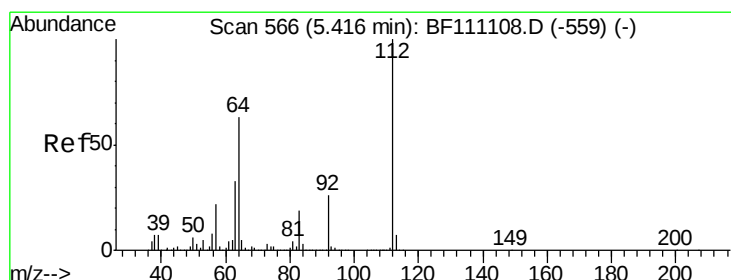
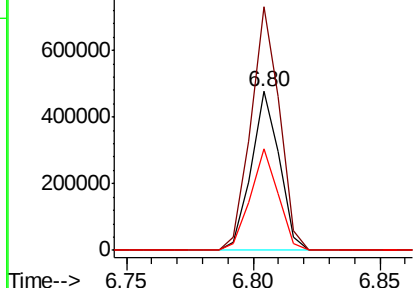
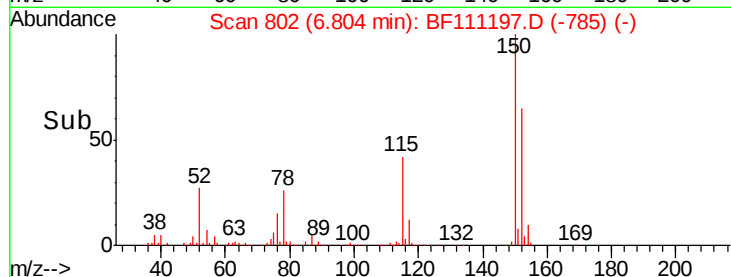
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF111197.D
Acq: 7 Dec 2018 19:59

Instrument :
BNA_F
ClientSampleId :
SB-1(10-12)

Tgt Ion:152 Resp: 368857
Ion Ratio Lower Upper
152 100
150 153.4 124.6 187.0
115 63.7 52.2 78.2



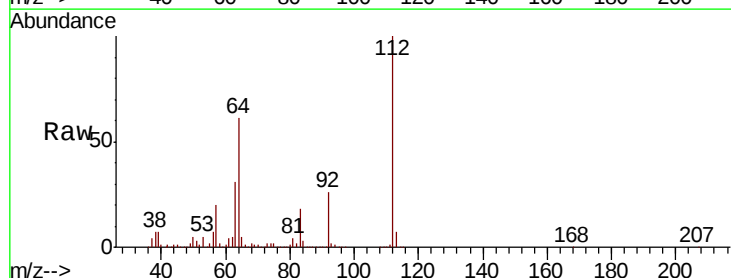
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



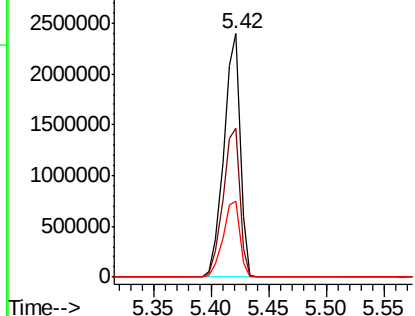
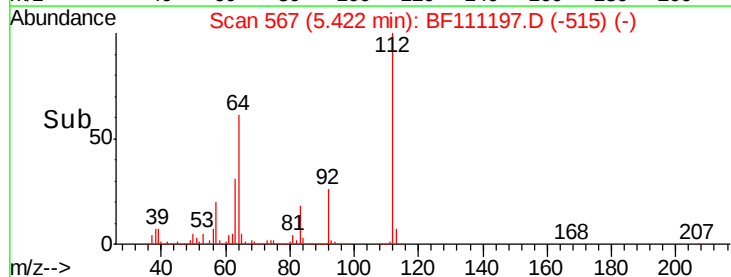
#5

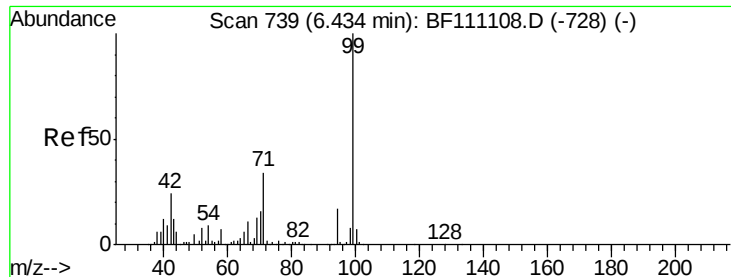
2-Fluorophenol
Concen: 99.631 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111197.D
Acq: 7 Dec 2018 19:59

Tgt Ion:112 Resp: 2355056
Ion Ratio Lower Upper
112 100
64 61.0 50.2 75.4
63 31.4 26.6 39.8



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: 93.998 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF111197.D

Acq: 7 Dec 2018 19:59

Instrument :

BNA_F

ClientSampleId :

SB-1(10-12)

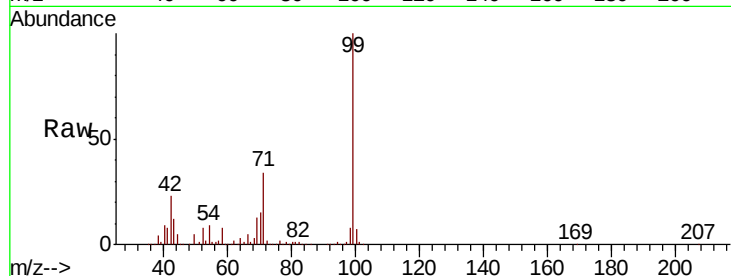
Tgt Ion: 99 Resp: 2862191

Ion Ratio Lower Upper

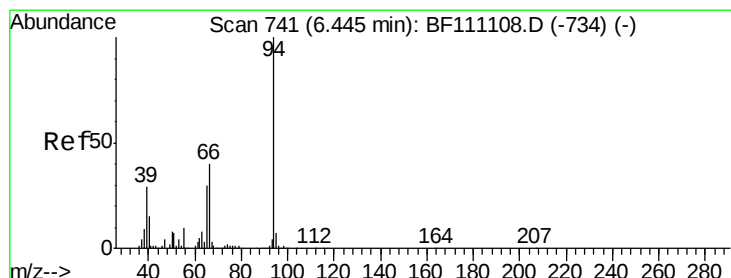
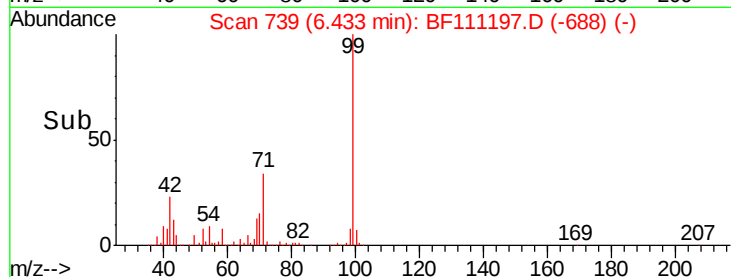
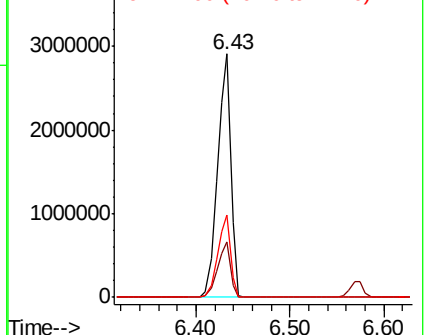
99 100

42 22.6 19.3 28.9

71 33.9 27.4 41.2



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: 6.074 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF111197.D

Acq: 7 Dec 2018 19:59

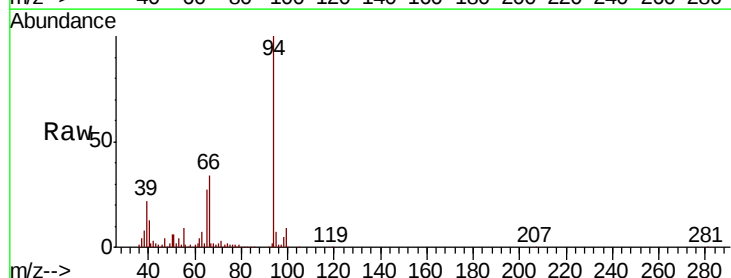
Tgt Ion: 94 Resp: 201649

Ion Ratio Lower Upper

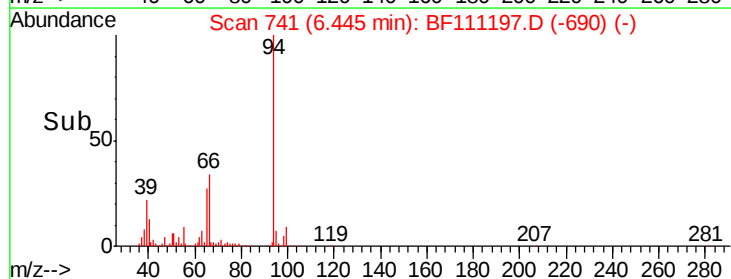
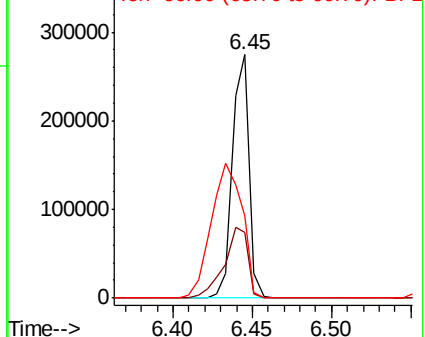
94 100

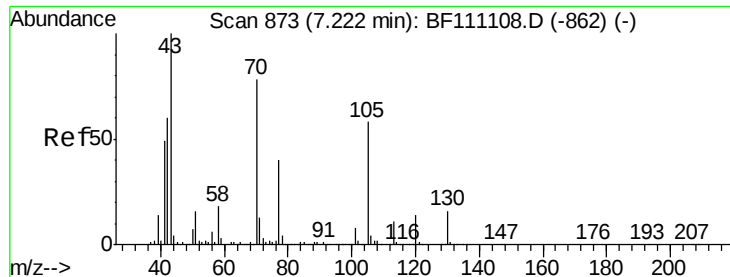
65 26.8 10.5 50.5

66 34.0 19.8 59.8



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

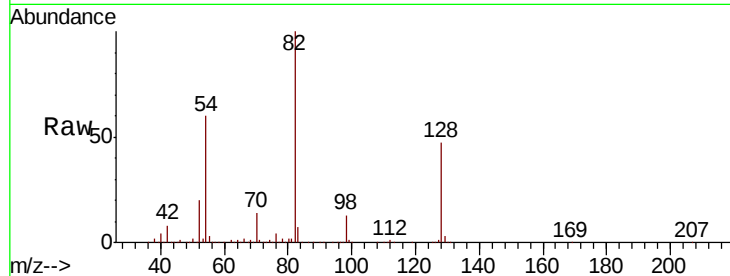




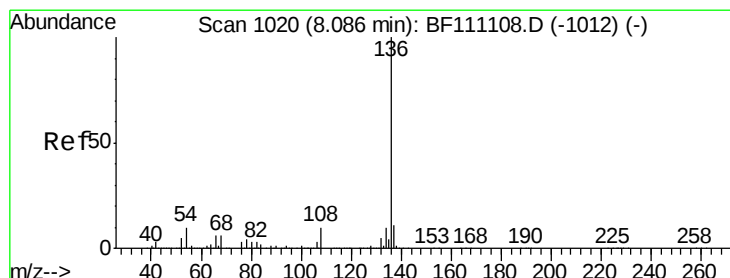
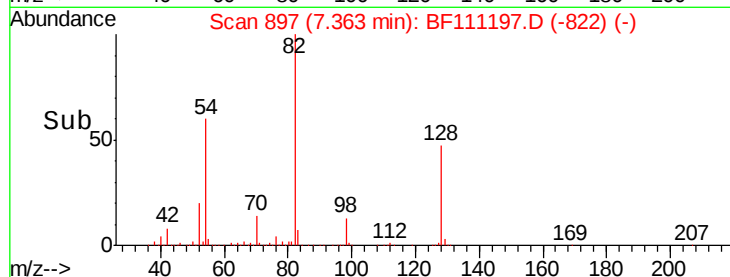
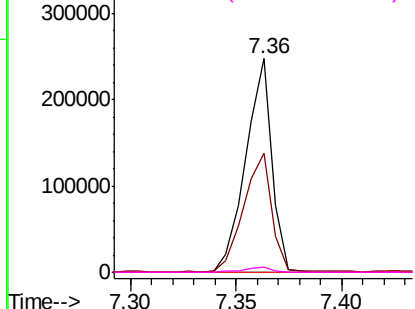
#19
n-Nitroso-di-n-propylamine
Concen: 10.448 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.14 min
Lab File: BF111197.D
Acq: 7 Dec 2018 19:59

Instrument :
BNA_F
ClientSampleId :
SB-1(10-12)

Tgt Ion: 70 Resp: 213788
Ion Ratio Lower Upper
70 100
42 55.6 61.3 91.9#
101 0.0 7.7 11.5#
130 2.4 16.3 24.5#

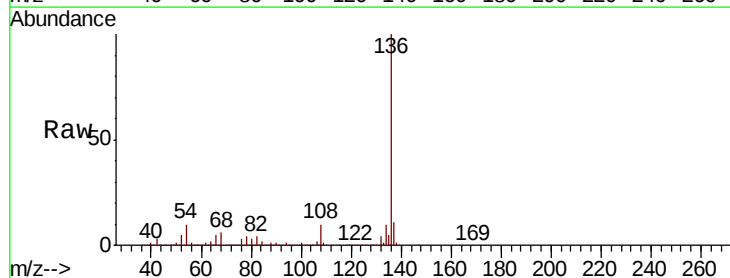


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

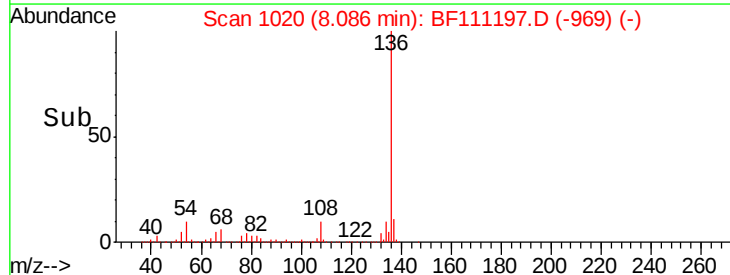
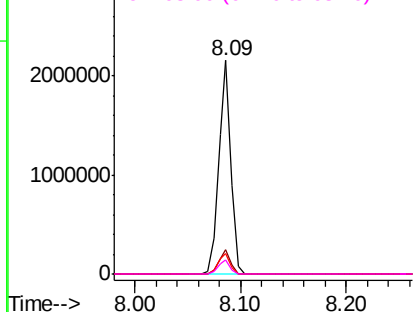


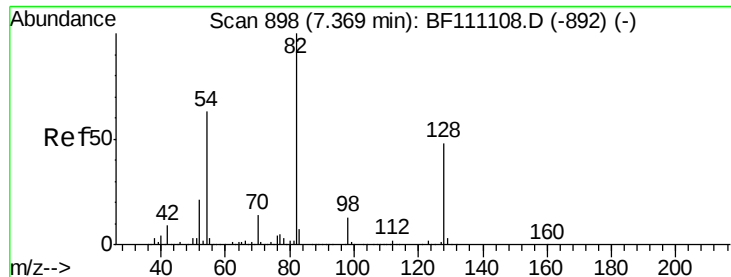
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF111197.D
Acq: 7 Dec 2018 19:59

Tgt Ion:136 Resp: 1750578
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 9.9 8.4 12.6
68 6.4 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

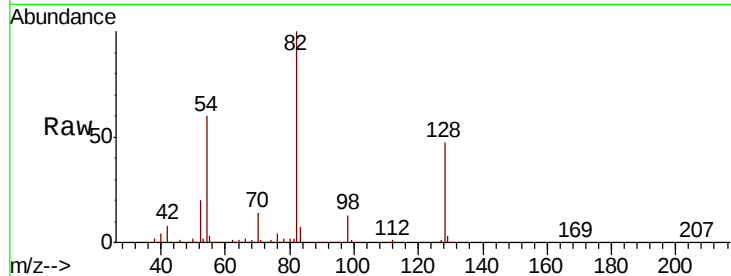




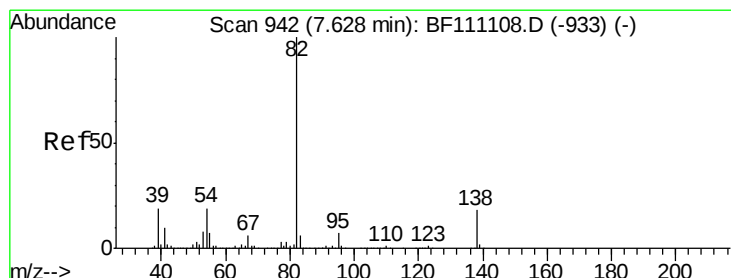
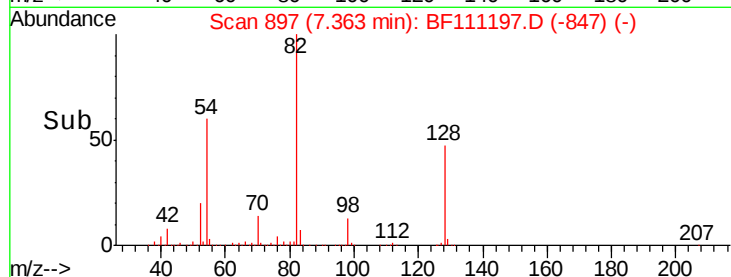
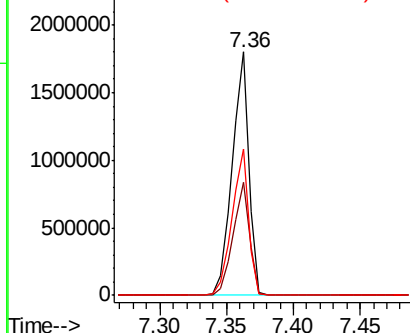
#23
 Nitrobenzene-d5
 Concen: 53.993 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF111197.D
 Acq: 7 Dec 2018 19:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(10-12)

Tgt Ion: 82 Resp: 1596524
 Ion Ratio Lower Upper
 82 100
 128 46.7 38.1 57.1
 54 60.2 50.3 75.5

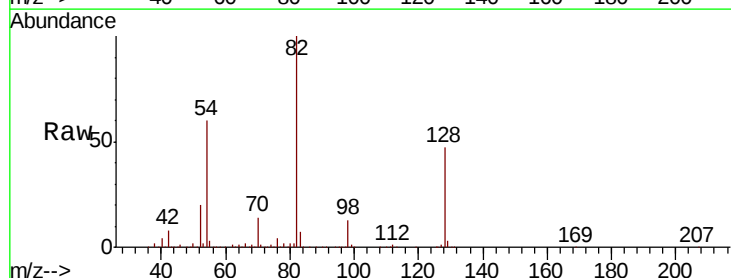


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

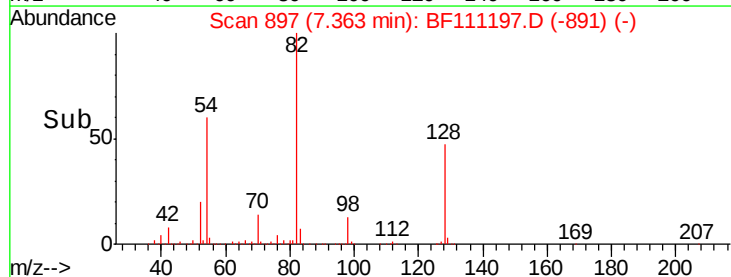
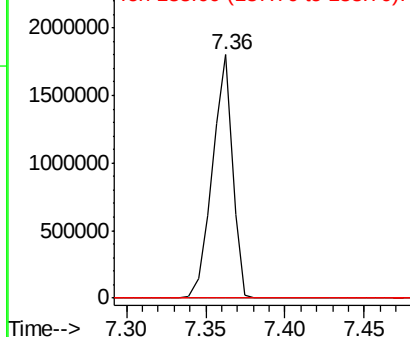


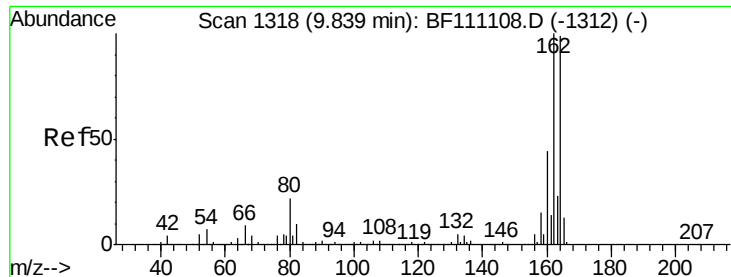
#25
 Isophorone
 Concen: 29.284 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.26 min
 Lab File: BF111197.D
 Acq: 7 Dec 2018 19:59

Tgt Ion: 82 Resp: 1589131
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#



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

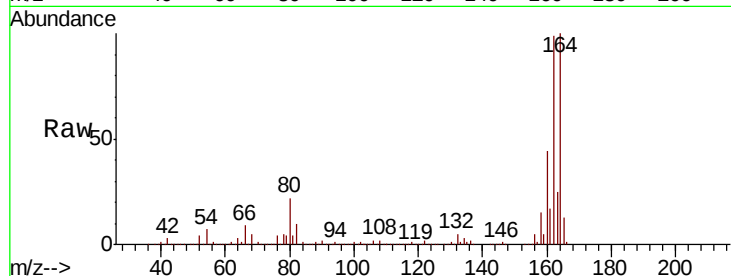




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF111197.D
Acq: 7 Dec 2018 19:59

Instrument :
BNA_F
ClientSampleId :
SB-1(10-12)

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.3	80.6	120.8
160	43.7	35.5	53.3

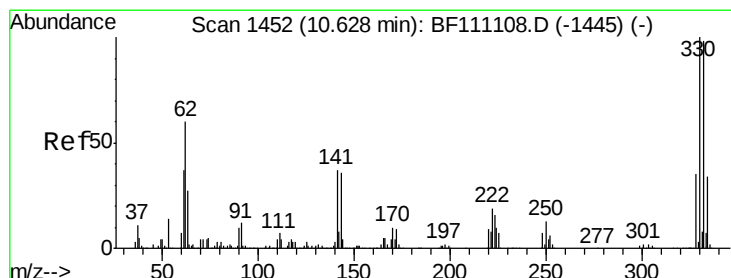
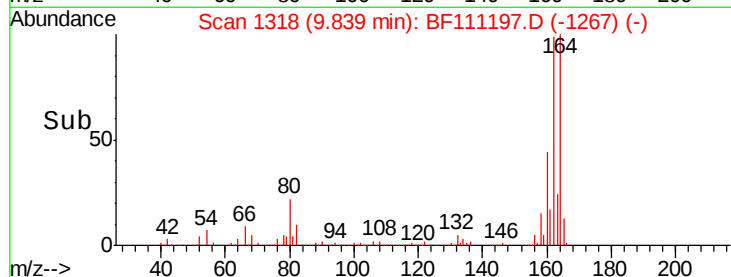
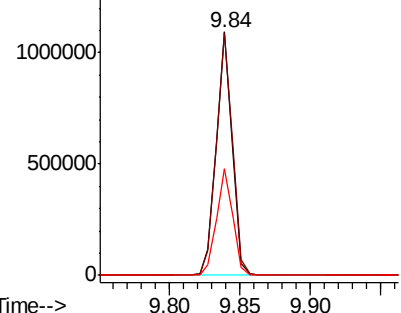


Abundance

Ion 164.00 (163.70 to 164.70): E

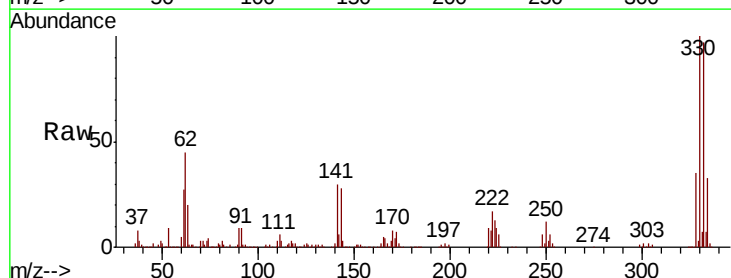
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 95.697 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BF111197.D
Acq: 7 Dec 2018 19:59

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.2	115.8
141	39.9	36.1	54.1

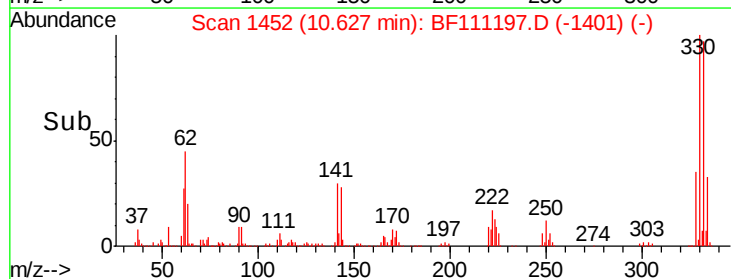
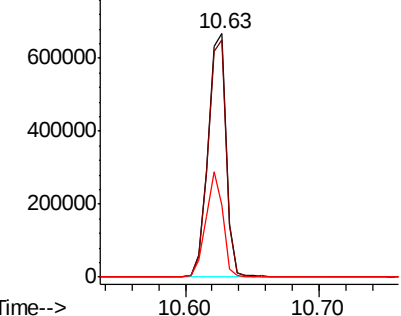


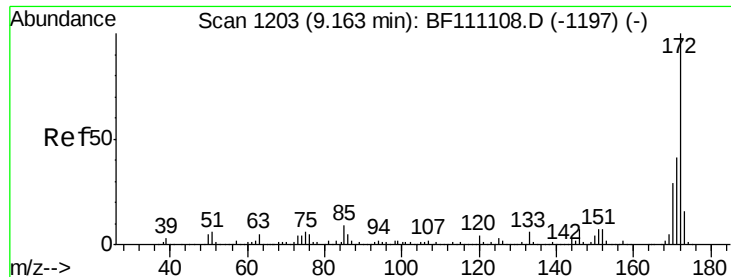
Abundance

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

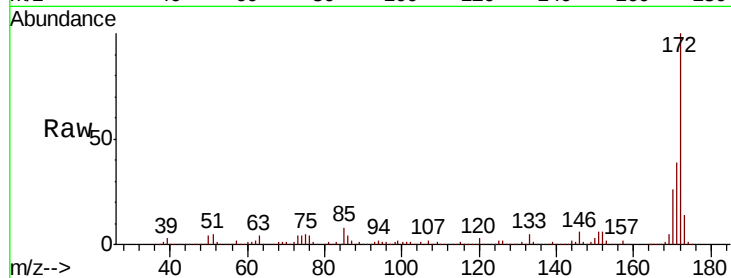




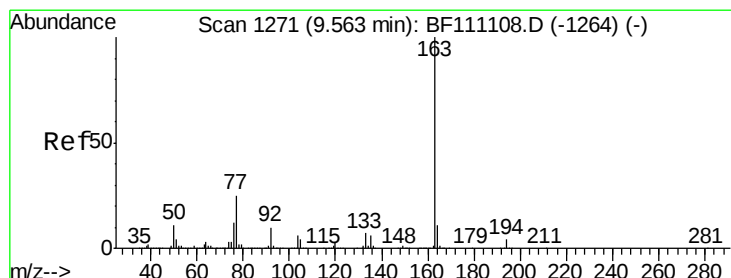
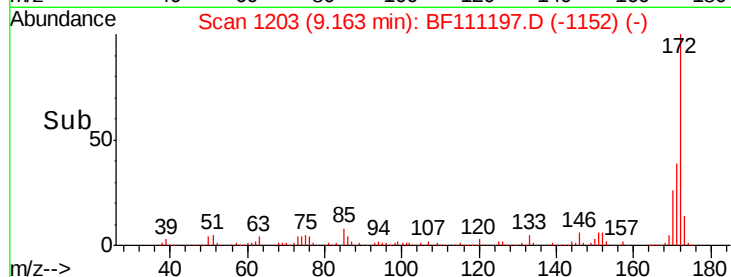
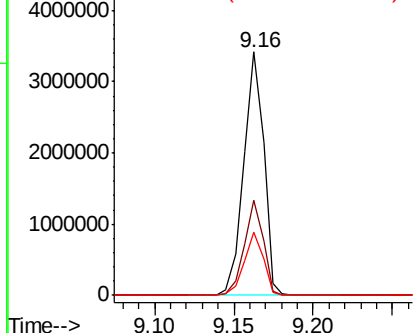
#45
 2-Fluorobiphenyl
 Concen: 60.662 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF111197.D
 Acq: 7 Dec 2018 19:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(10-12)

Tgt Ion:172 Resp: 2981190
 Ion Ratio Lower Upper
 172 100
 171 38.9 33.2 49.8
 170 26.0 22.9 34.3

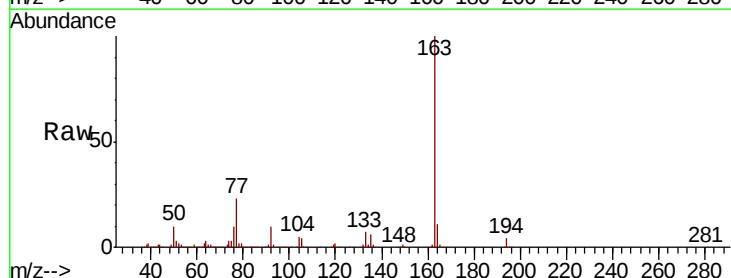


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

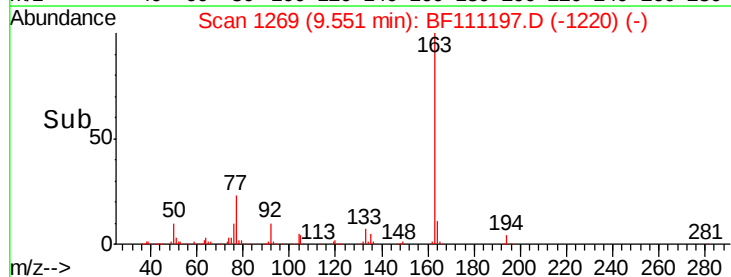
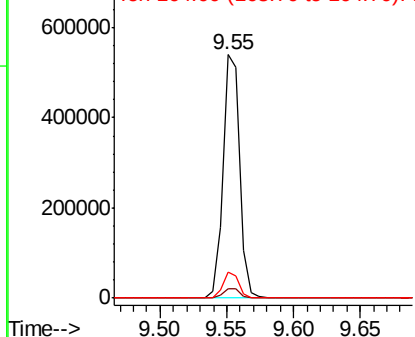


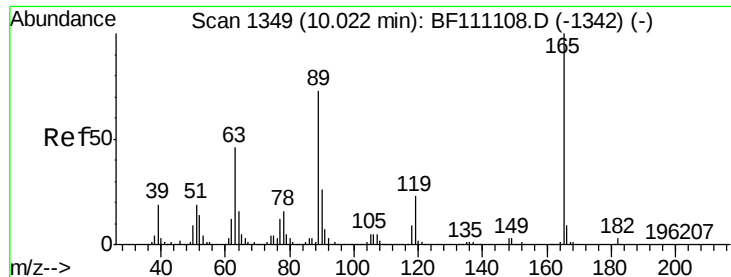
#50
 Dimethylphthalate
 Concen: 8.066 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: BF111197.D
 Acq: 7 Dec 2018 19:59

Tgt Ion:163 Resp: 478230
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.0 4.4
 164 10.5 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

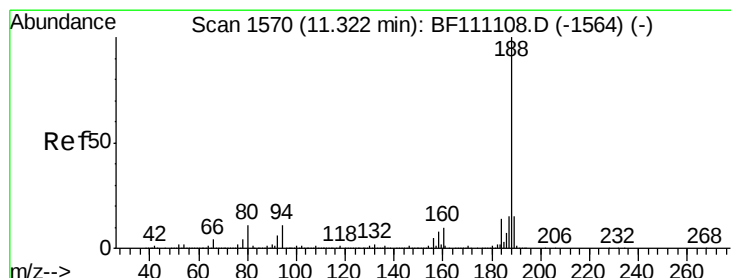
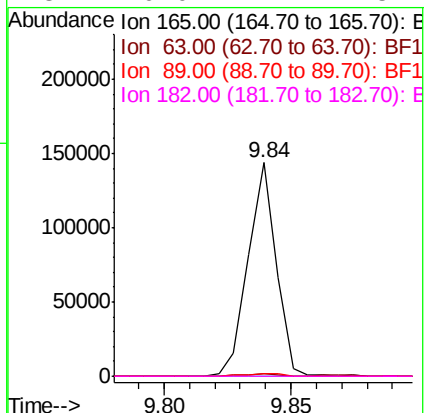
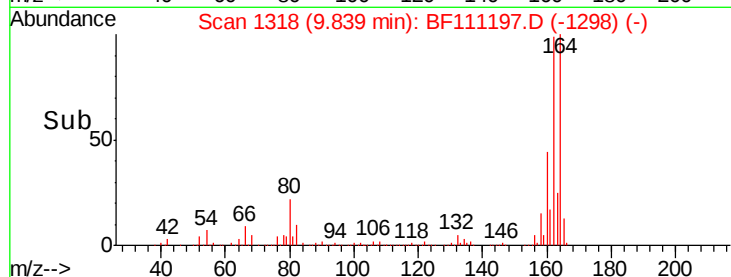
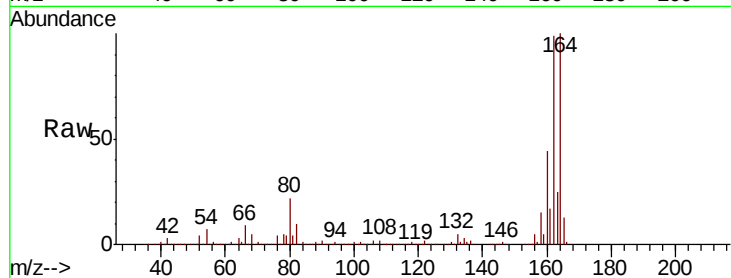




#57
2,4-Dinitrotoluene
Concen: 6.872 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.18 min
Lab File: BF111197.D
Acq: 7 Dec 2018 19:59

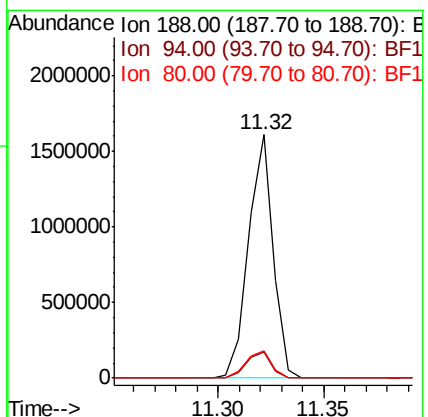
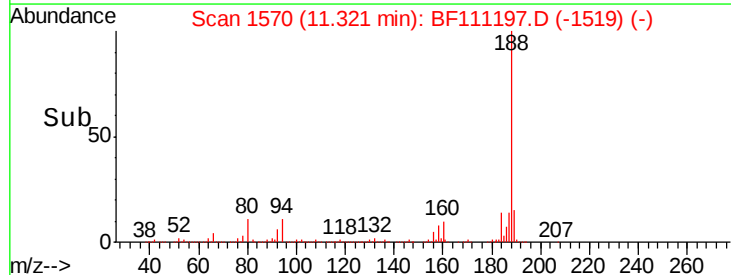
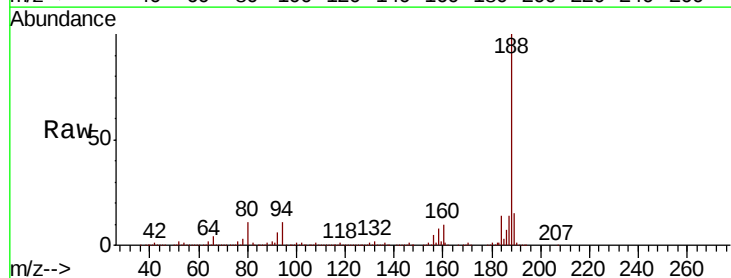
Instrument :
BNA_F
ClientSampleId :
SB-1(10-12)

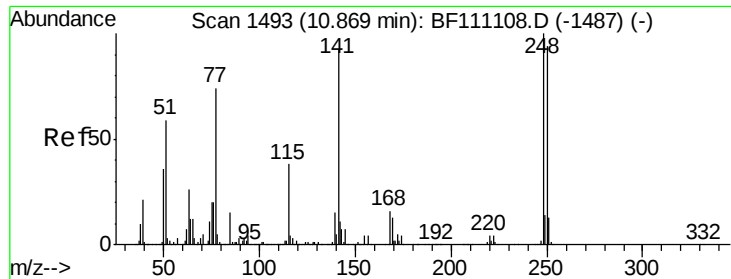
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.7	55.1#
89	1.5	58.4	87.6#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF111197.D
Acq: 7 Dec 2018 19:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.0	9.0	13.6

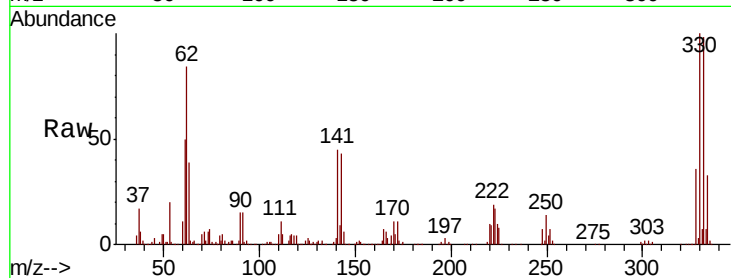




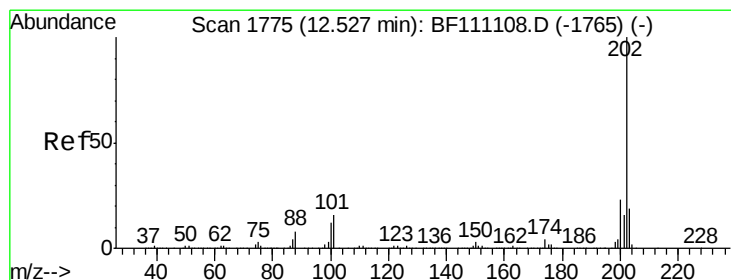
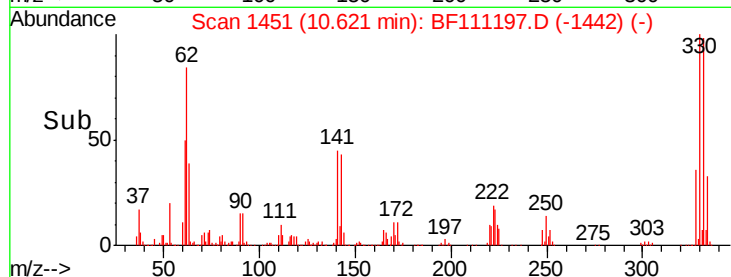
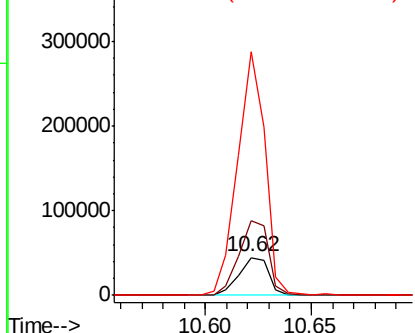
#67
 4-Bromophenyl-phenylether
 Concen: 3.165 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.25 min
 Lab File: BF111197.D
 Acq: 7 Dec 2018 19:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(10-12)

Tgt Ion:248 Resp: 43626
 Ion Ratio Lower Upper
 248 100
 250 199.7 75.4 113.0#
 141 649.2 73.8 110.6#

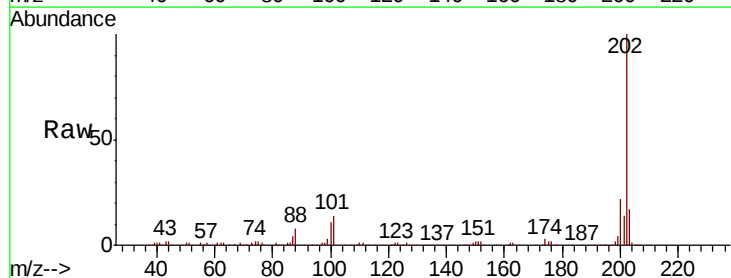


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

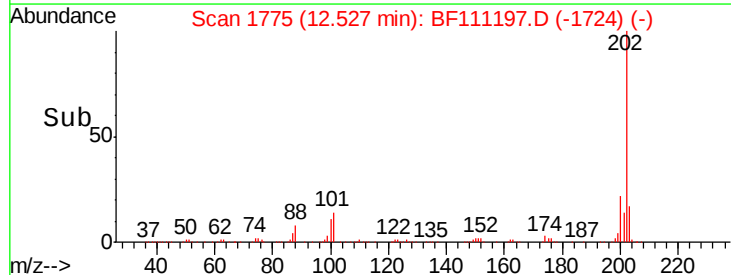
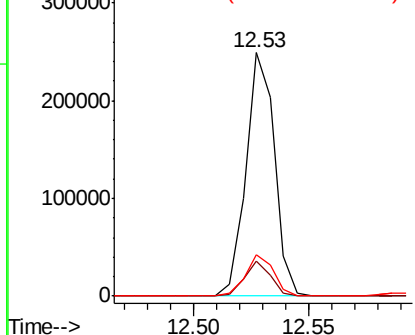


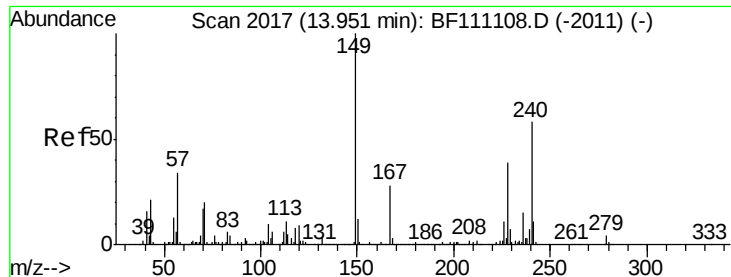
#75
 Fluoranthene
 Concen: 3.527 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.00 min
 Lab File: BF111197.D
 Acq: 7 Dec 2018 19:59

Tgt Ion:202 Resp: 216125
 Ion Ratio Lower Upper
 202 100
 101 14.2 0.0 35.8
 203 16.8 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

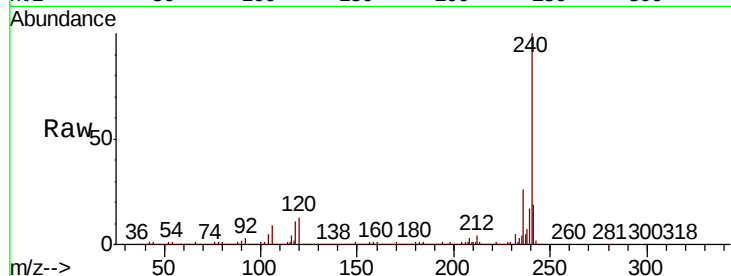




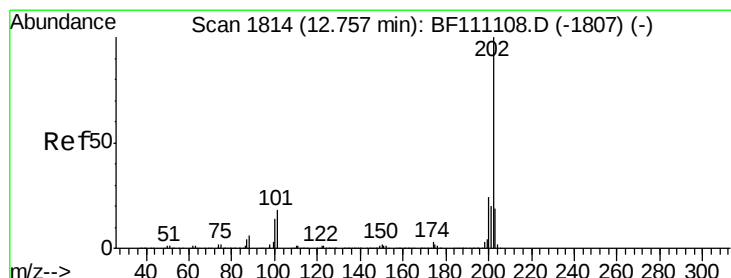
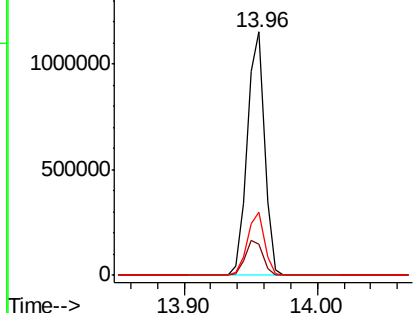
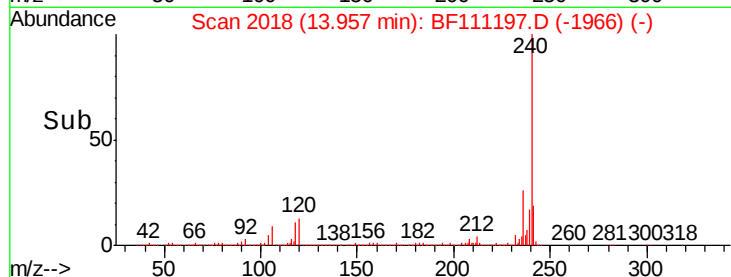
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF111197.D
Acq: 7 Dec 2018 19:59

Instrument :
BNA_F
ClientSampleId :
SB-1(10-12)

Tgt Ion:240 Resp: 1019557
Ion Ratio Lower Upper
240 100
120 12.8 12.8 19.2#
236 26.0 21.1 31.7

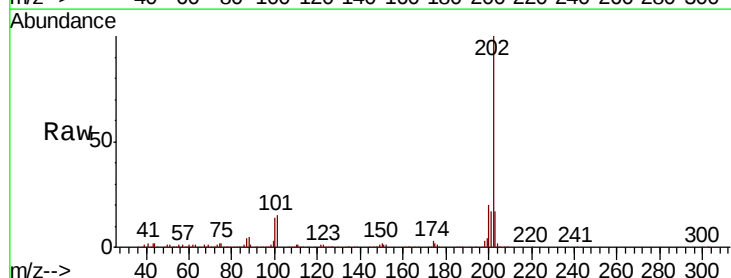


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

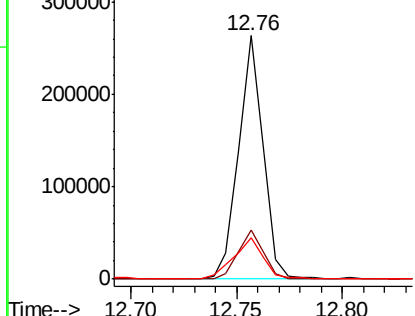
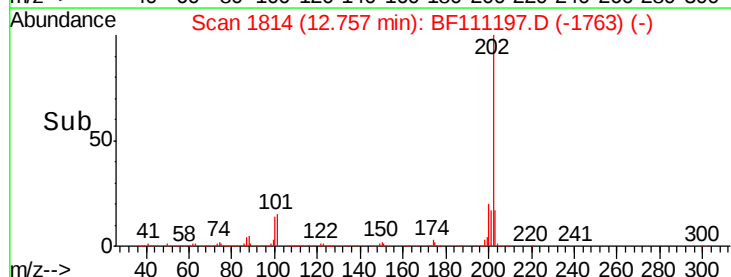


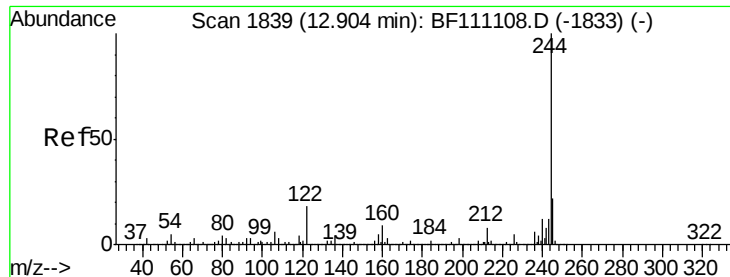
#78
Pyrene
Concen: 2.659 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.00 min
Lab File: BF111197.D
Acq: 7 Dec 2018 19:59

Tgt Ion:202 Resp: 211226
Ion Ratio Lower Upper
202 100
200 20.1 19.3 28.9
203 17.1 15.4 23.2



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: 46.578 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF111197.D

Acq: 7 Dec 2018 19:59

Instrument :

BNA_F

ClientSampleId :

SB-1(10-12)

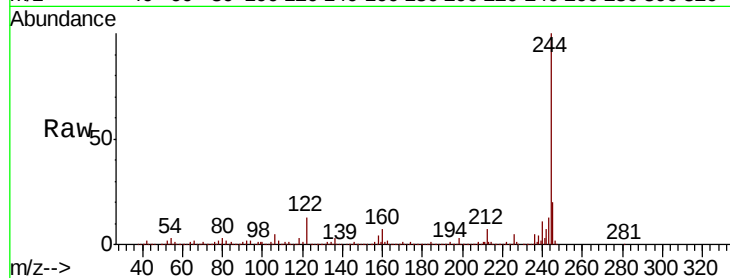
Tgt Ion:244 Resp: 2318791

Ion Ratio Lower Upper

244 100

212 7.2 6.6 9.8

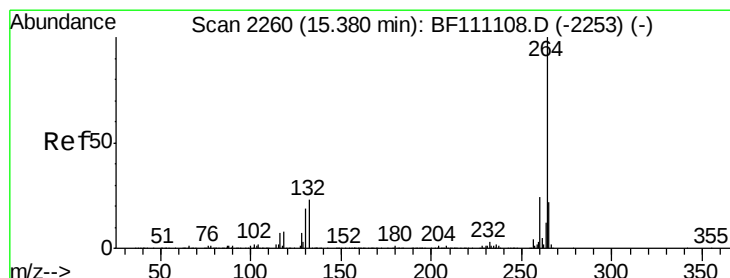
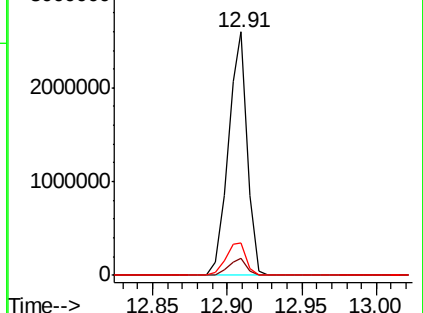
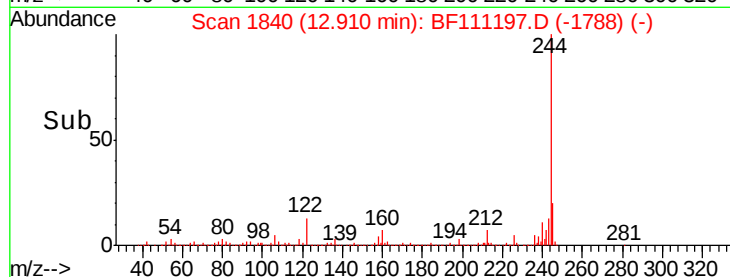
122 13.4 14.2 21.2#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111197.D

Acq: 7 Dec 2018 19:59

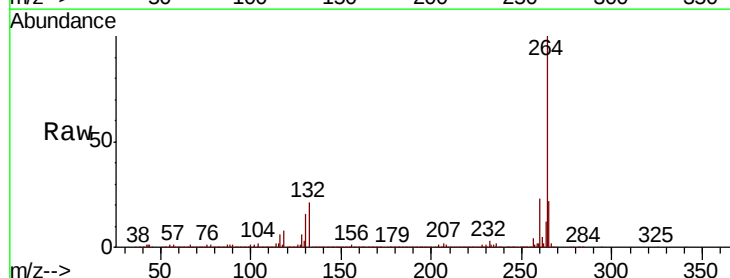
Tgt Ion:264 Resp: 843740

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.0

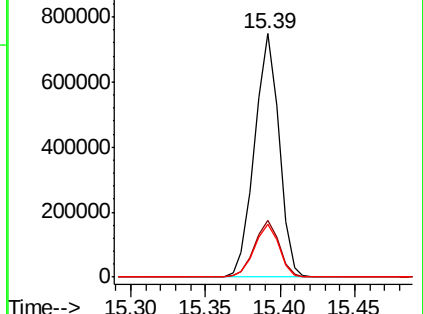
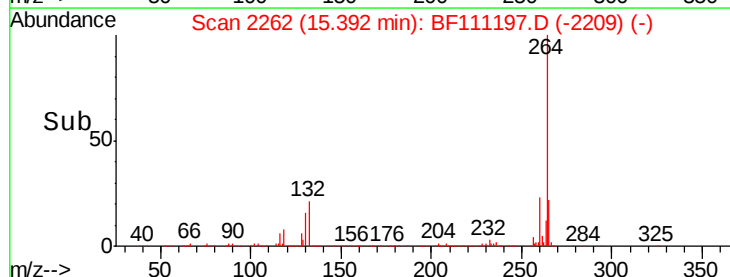
265 21.9 17.4 26.0

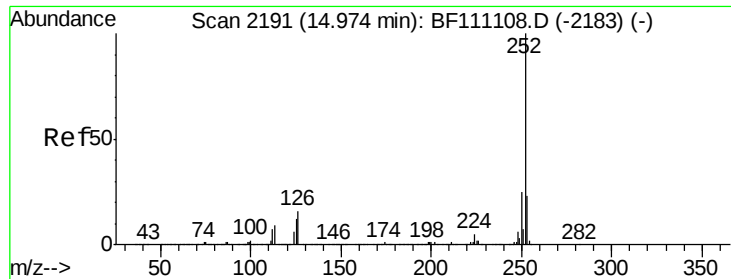


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

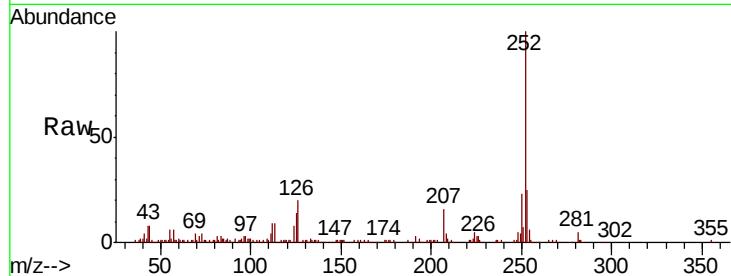




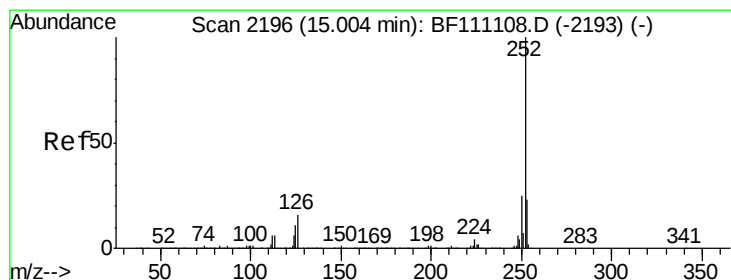
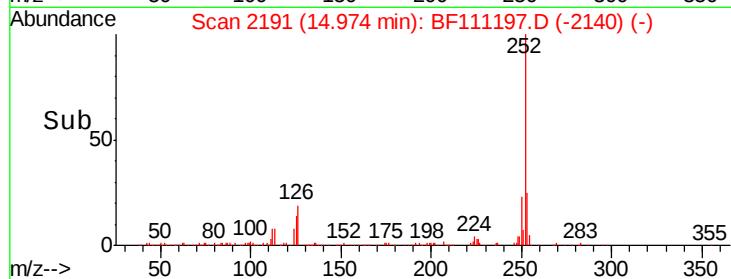
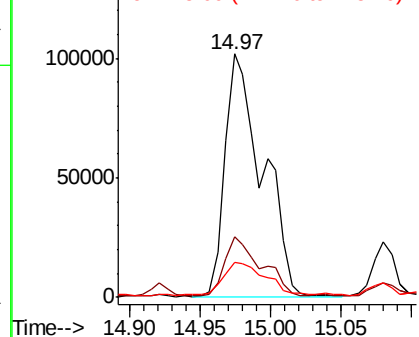
#88
Benzo(b)fluoranthene
Concen: 4.009 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BF111197.D
Acq: 7 Dec 2018 19:59

Instrument :
BNA_F
ClientSampleId :
SB-1(10-12)

Tgt Ion:252 Resp: 191678
Ion Ratio Lower Upper
252 100
253 24.8 18.5 27.7
125 14.1 9.9 14.9

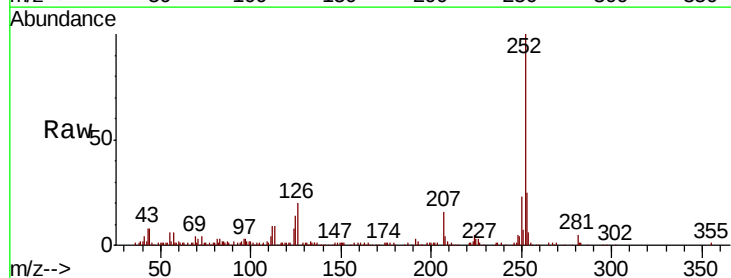


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

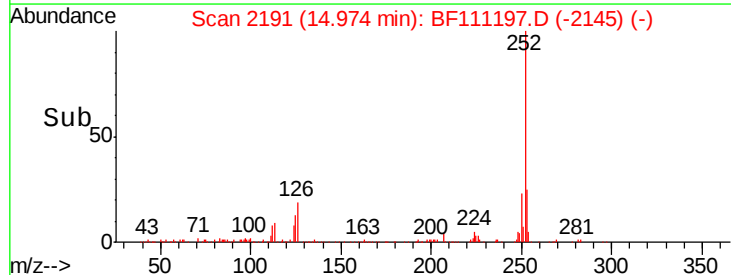
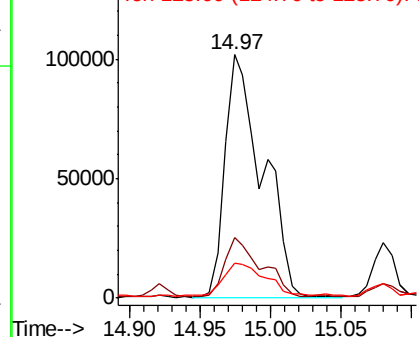


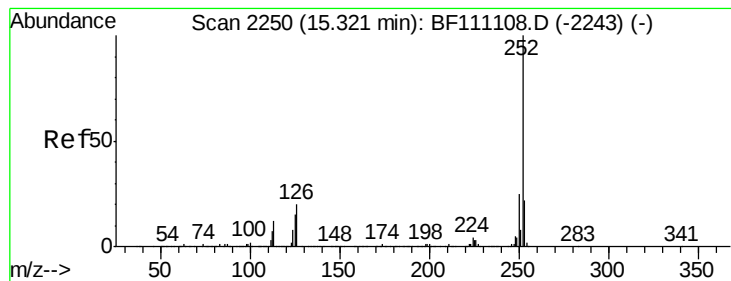
#89
Benzo(k)fluoranthene
Concen: 4.147 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.03 min
Lab File: BF111197.D
Acq: 7 Dec 2018 19:59

Tgt Ion:252 Resp: 191678
Ion Ratio Lower Upper
252 100
253 24.8 18.2 27.4
125 14.1 9.9 14.9



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: 2.561 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.01 min

Lab File: BF111197.D

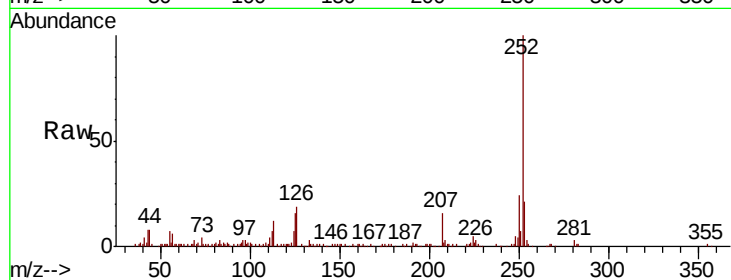
Acq: 7 Dec 2018 19:59

Instrument :

BNA_F

ClientSampleId :

SB-1(10-12)



Tgt Ion:	252	Resp:	112309
Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.5	26.3
125	16.0	12.4	18.6

