

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
 Data File : BF118337.D
 Acq On : 27 Dec 2019 14:53
 Operator : JU
 Sample : K6431-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 27 23:59:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

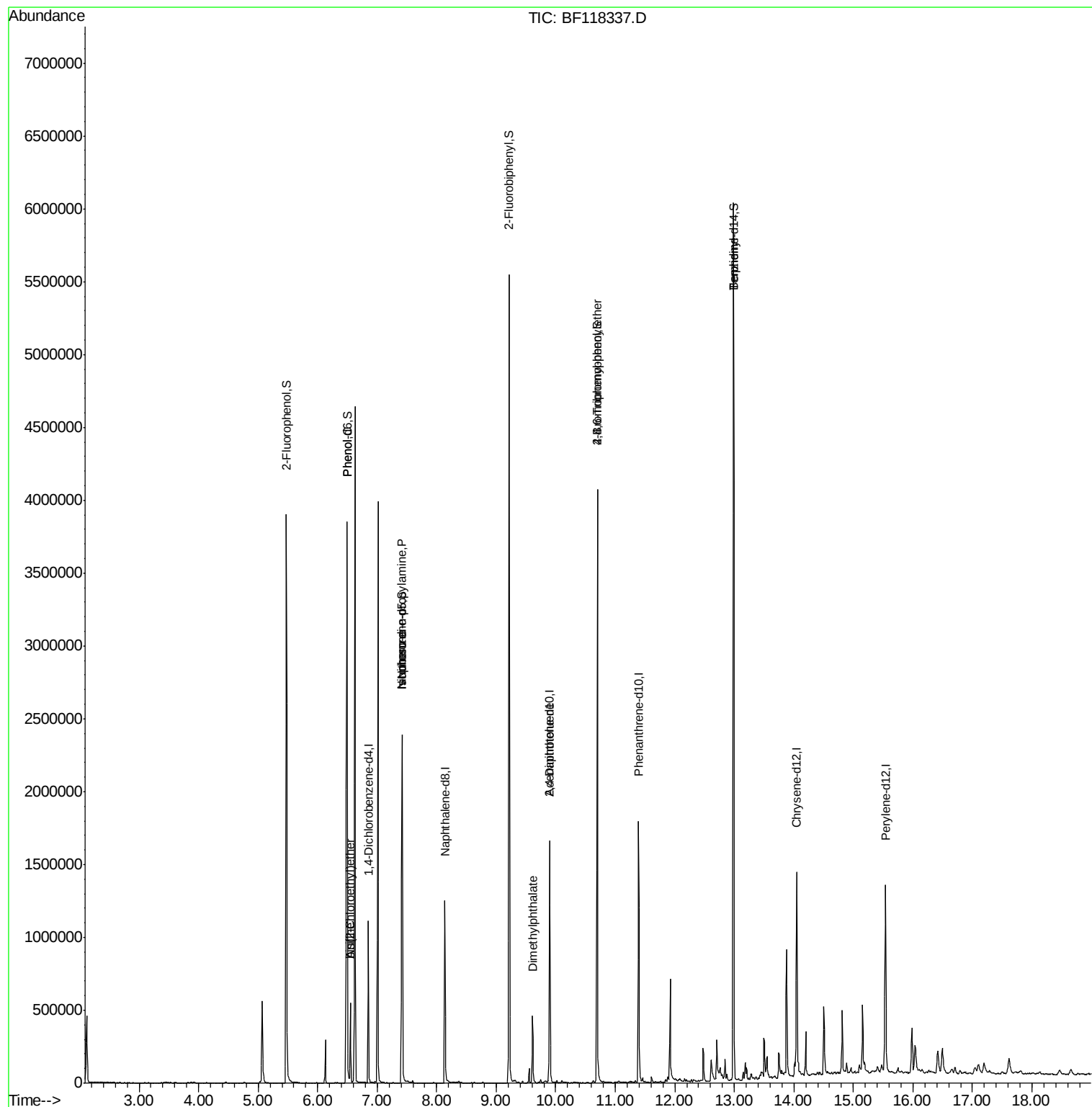
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	159458	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	627223	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	337940	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	637772	20.00	ng	0.00
76) Chrysene-d12	14.04	240	451226	20.00	ng	0.00
87) Perylene-d12	15.54	264	422677	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1167666	125.00	ng	0.01
7) Phenol-d6	6.49	99	1466629	126.56	ng	0.00
23) Nitrobenzene-d5	7.42	82	895546	81.66	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	526924	126.26	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1774870	80.17	ng	0.00
79) Terphenyl-d14	12.99	244	2142082	78.76	ng	0.00
Target Compounds						
6) Aniline	6.55	93	106506	7.238	ng	# 51
10) Phenol	6.50	94	31604	2.426	ng	# 61
11) bis(2-Chloroethyl)ether	6.55	93	106506	11.434	ng	# 28
19) n-Nitroso-di-n-propylamine	7.42	70	121944	17.082	ng	# 77
25) Isophorone	7.42	82	885113	46.312	ng	# 62
50) Dimethylphthalate	9.61	163	186132	7.338	ng	100
57) 2,4-Dinitrotoluene	9.90	165	42941	5.876	ng	# 30
67) 4-Bromophenyl-phenylether	10.70	248	32331	4.332	ng	# 1
77) Benzidine	12.99	184	29919	2.420	ng	# 94

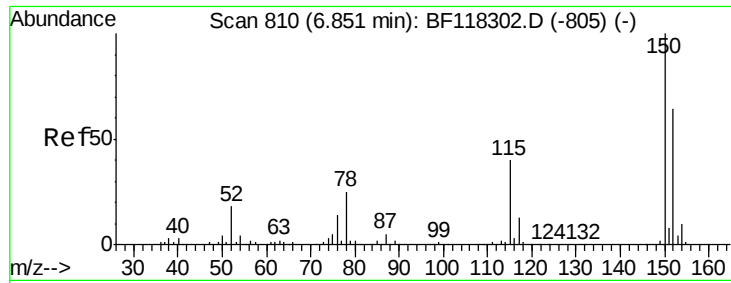
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
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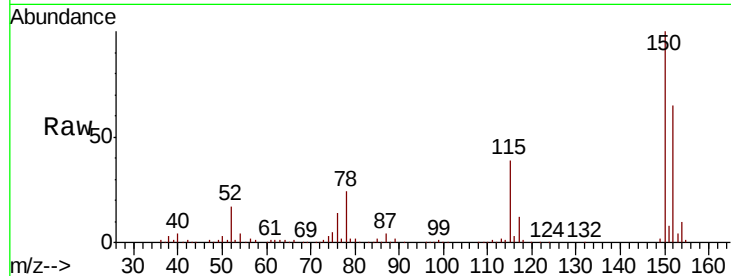




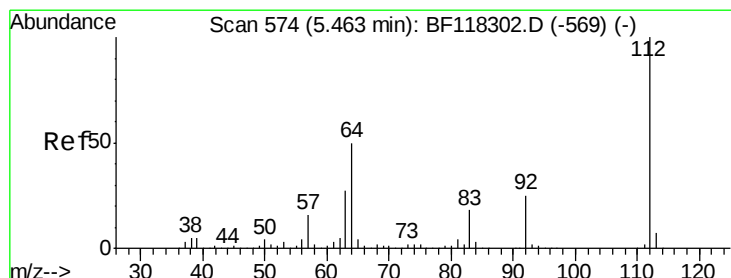
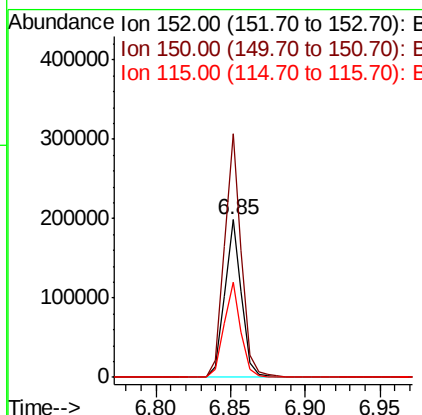
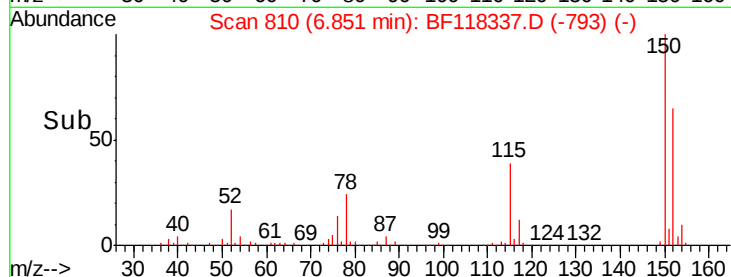
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF118337.D
 Acq: 27 Dec 2019 14:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 159458
 Ion Ratio Lower Upper
 152 100
 150 154.7 125.4 188.2
 115 60.1 50.2 75.4

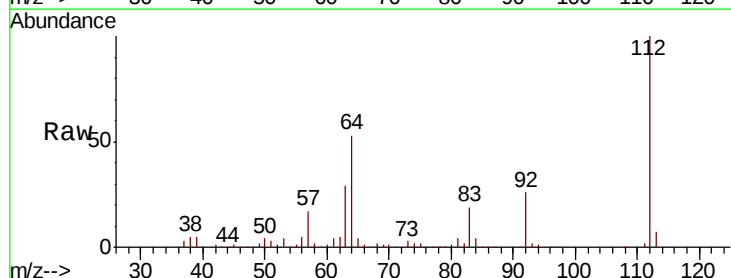


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

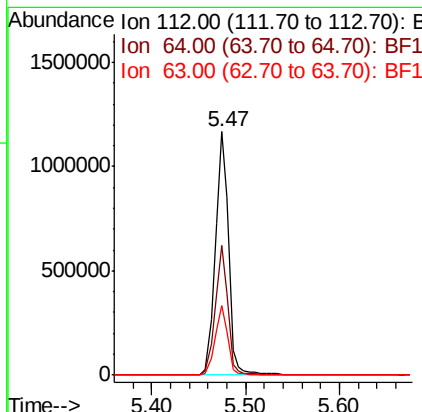
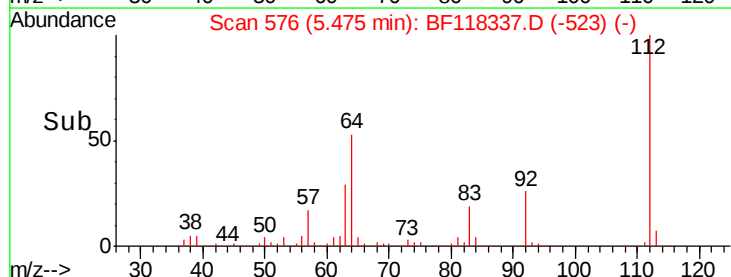


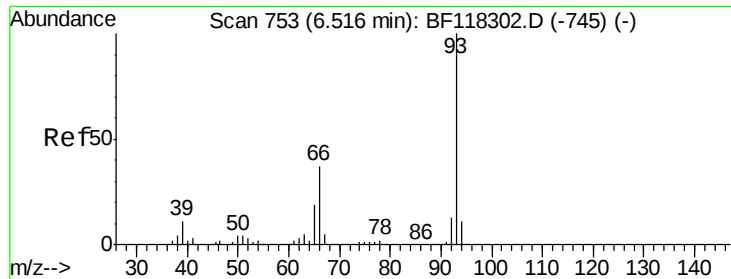
#5
 2-Fluorophenol
 Concen: 124.998 ng
 RT: 5.47 min Scan# 576
 Delta R.T. 0.01 min
 Lab File: BF118337.D
 Acq: 27 Dec 2019 14:53

Tgt Ion:112 Resp: 1167666
 Ion Ratio Lower Upper
 112 100
 64 53.1 39.7 59.5
 63 28.5 21.7 32.5



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





#6

Aniline

Concen: 7.238 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.04 min

Lab File: BF118337.D

Acq: 27 Dec 2019 14:53

Instrument :

BNA_F

ClientSampleId :

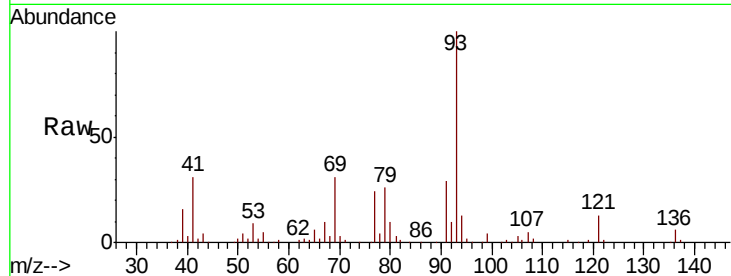
Tot Ion: 93 Resp: 106506

Ion Ratio Lower Upper

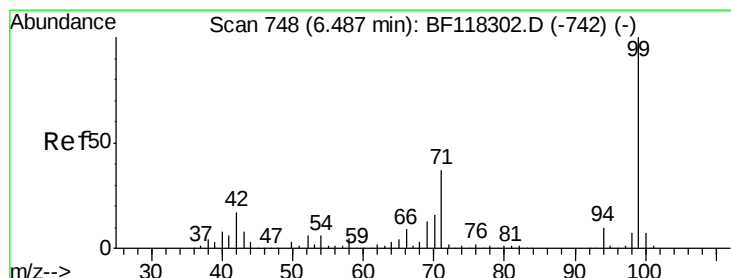
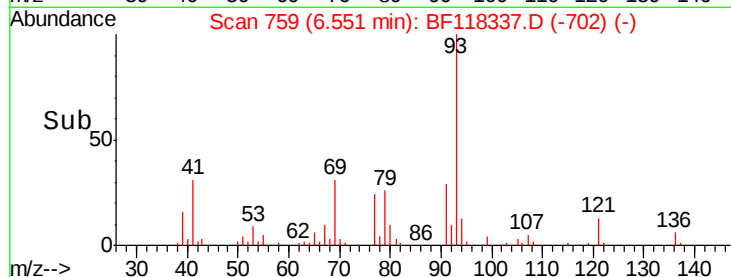
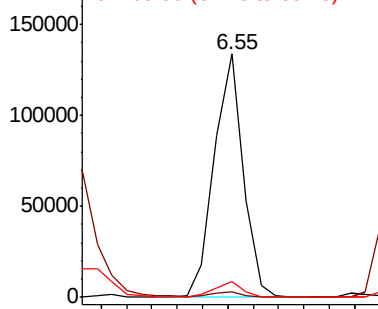
93 100

66 2.3 30.2 45.4#

65 6.2 15.7 23.5#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 126.561 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF118337.D

Acq: 27 Dec 2019 14:53

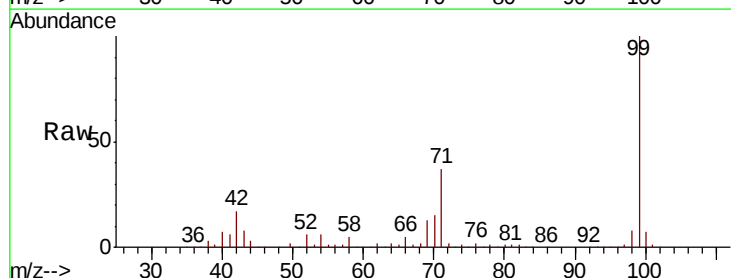
Tgt Ion: 99 Resp: 1466629

Ion Ratio Lower Upper

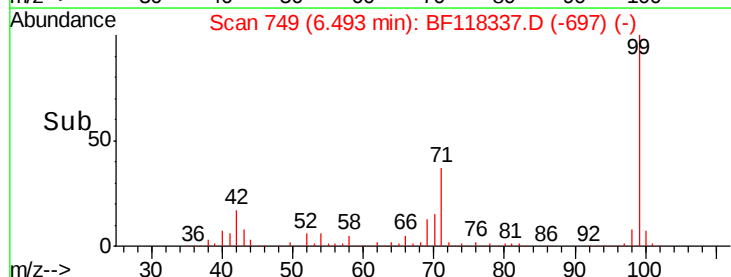
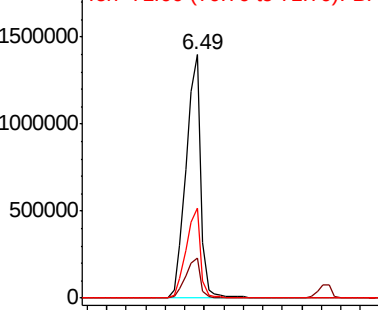
99 100

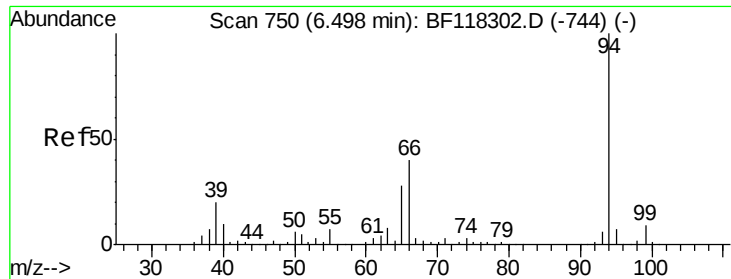
42 16.7 13.5 20.3

71 37.2 29.4 44.2



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: 2.426 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF118337.D

Acq: 27 Dec 2019 14:53

Instrument :

BNA_F

ClientSampled :

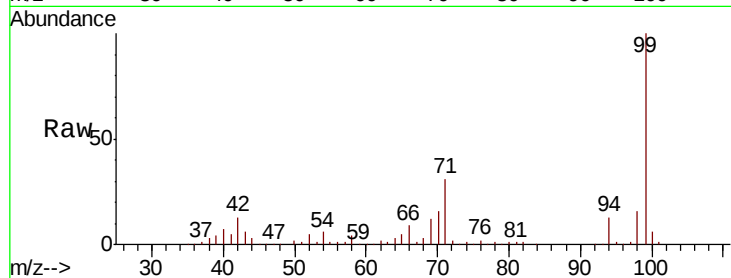
Tot Ion: 94 Resp: 31604

Ion Ratio Lower Upper

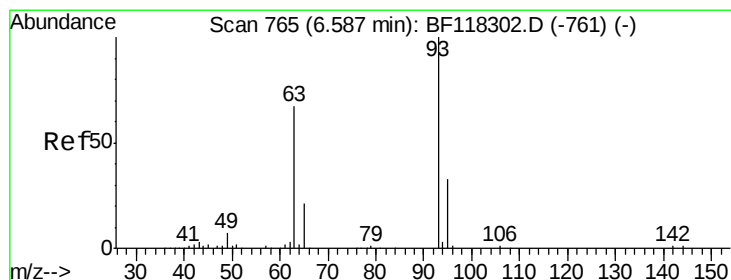
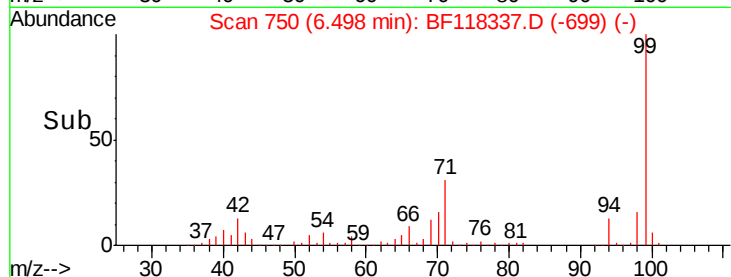
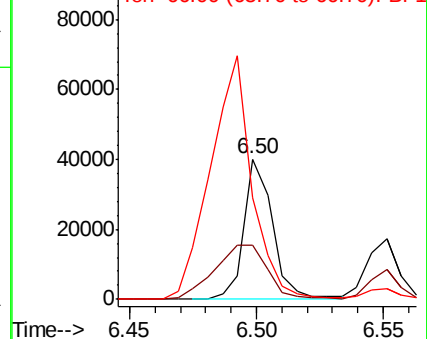
94 100

65 38.8 7.8 47.8

66 72.3 20.4 60.4#



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



#11

bis(2-Chloroethyl)ether

Concen: 11.434 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.04 min

Lab File: BF118337.D

Acq: 27 Dec 2019 14:53

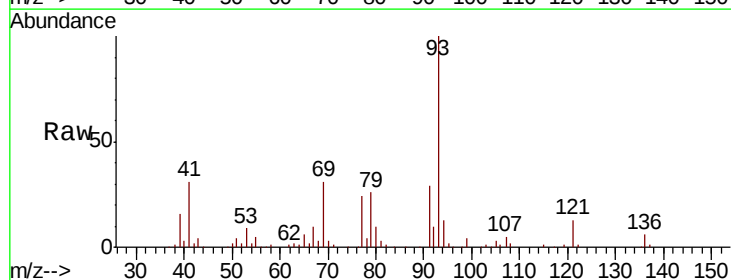
Tgt Ion: 93 Resp: 106506

Ion Ratio Lower Upper

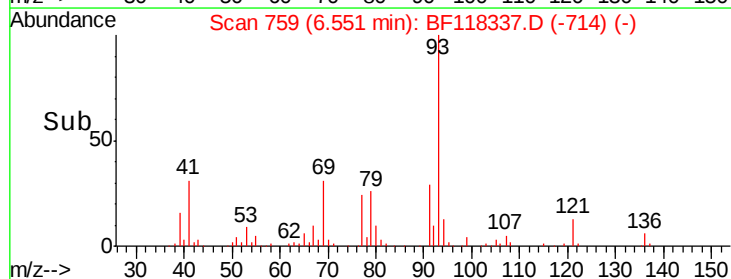
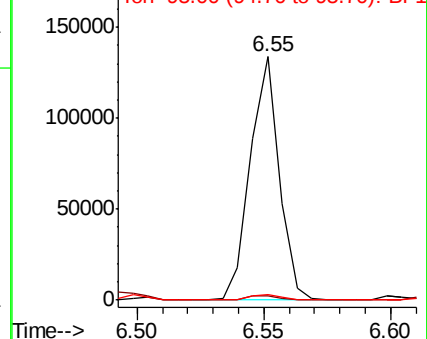
93 100

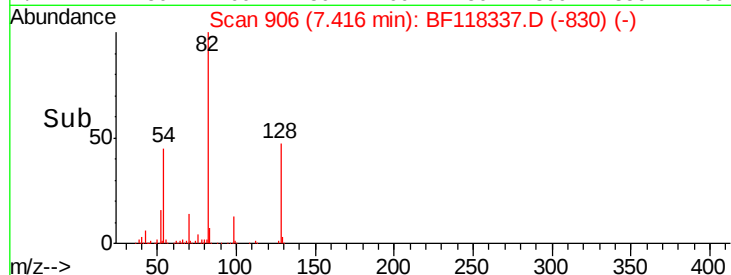
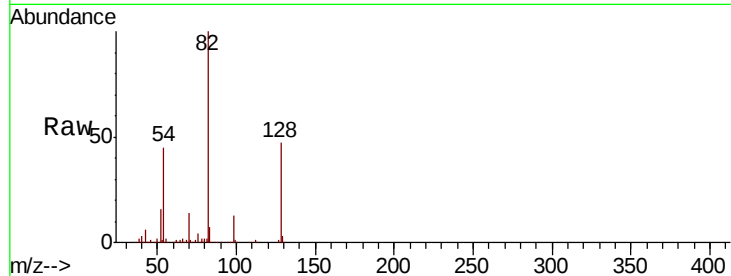
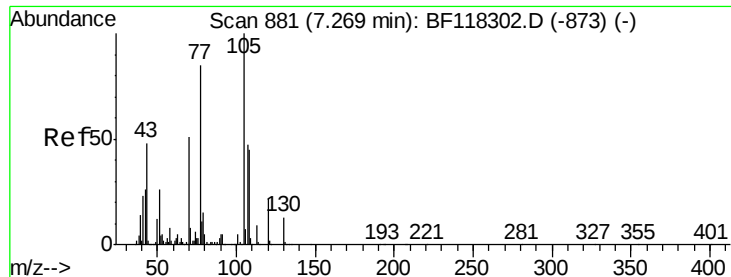
63 1.7 47.0 87.0#

95 2.3 12.8 52.8#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

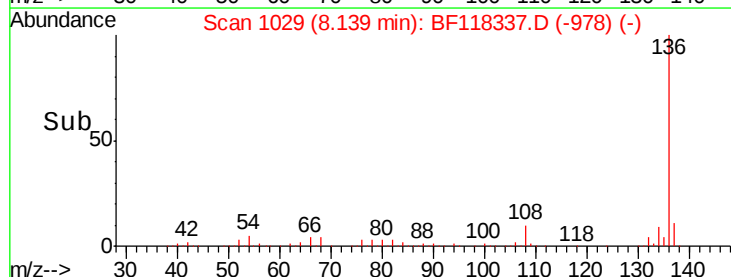
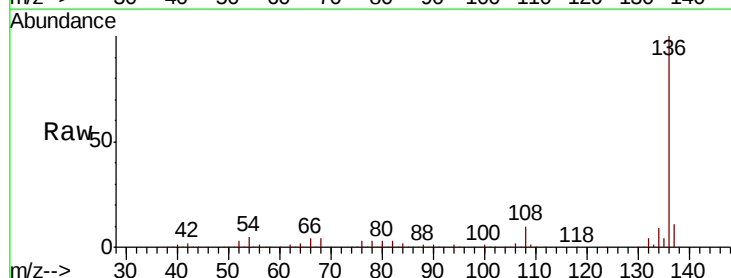
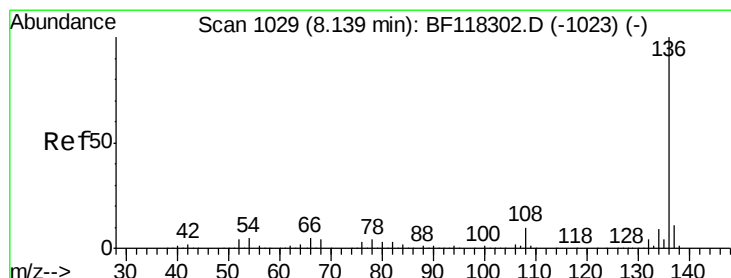
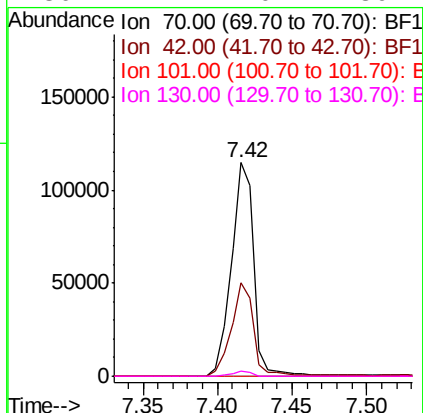




#19
n-Nitroso-di-n-propylamine
Concen: 17.082 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF118337.D
Acq: 27 Dec 2019 14:53

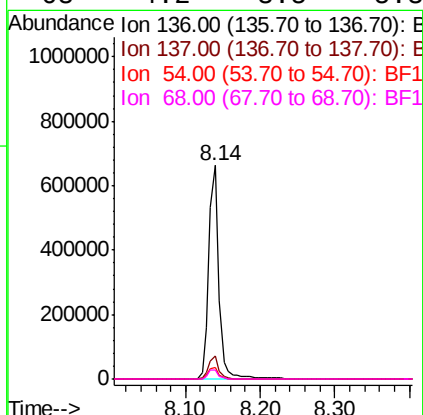
Instrument :
BNA_F
ClientSampleId :

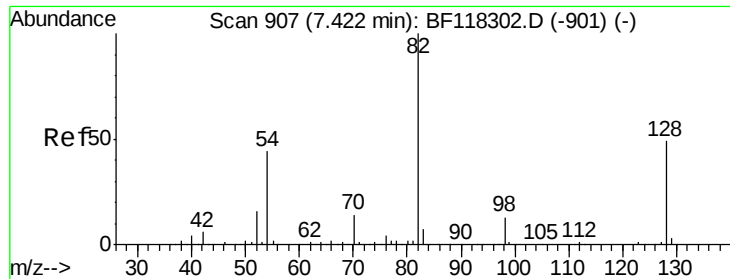
Tot Ion	Ratio	Lower	Upper
70	100		
42	43.6	41.1	61.7
101	0.0	8.3	12.5#
130	2.4	20.1	30.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118337.D
Acq: 27 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	5.3	4.2	6.4
68	4.2	3.5	5.3





#23

Nitrobenzene-d5

Concen: 81.663 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF118337.D

Acq: 27 Dec 2019 14:53

Instrument :

BNA_F

ClientSampled :

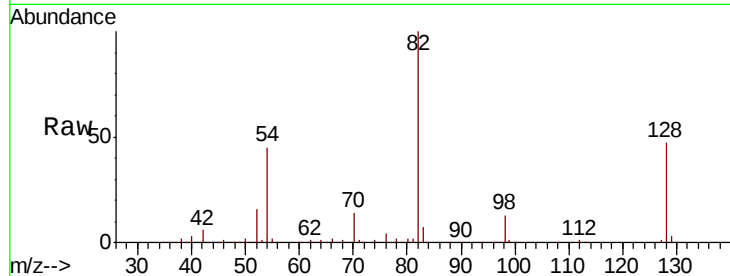
Tot Ion: 82 Resp: 895546

Ion Ratio Lower Upper

82 100

128 46.6 39.6 59.4

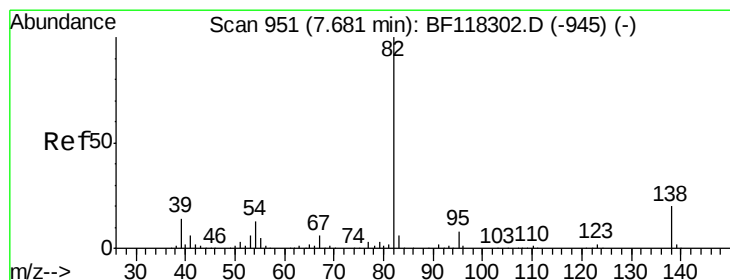
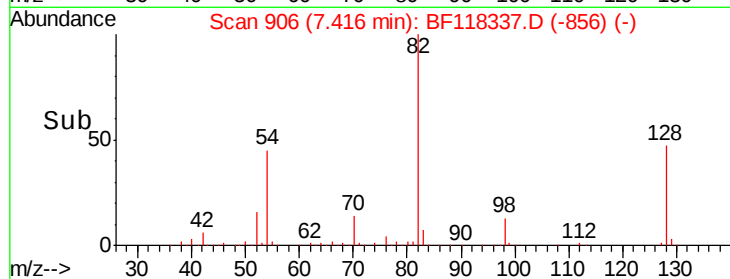
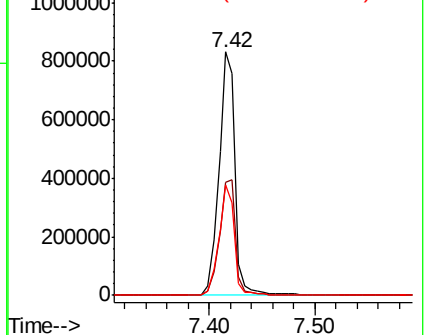
54 45.2 34.9 52.3



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: 46.312 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118337.D

Acq: 27 Dec 2019 14:53

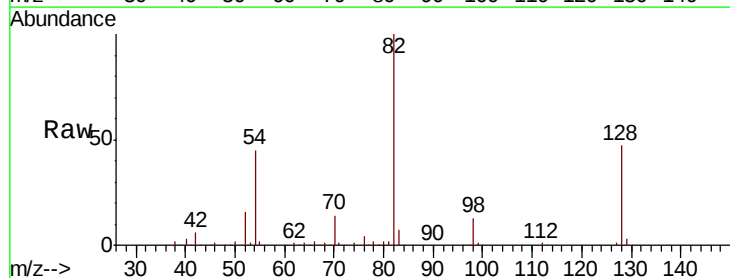
Tgt Ion: 82 Resp: 885113

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

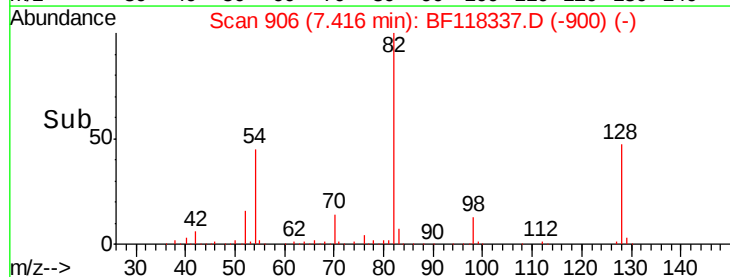
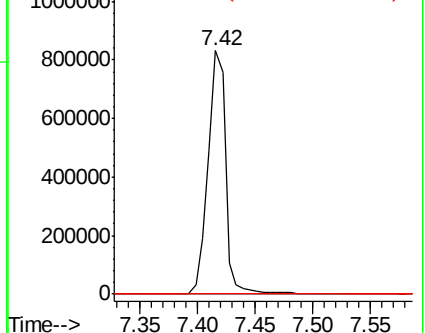
138 0.0 16.2 24.2#

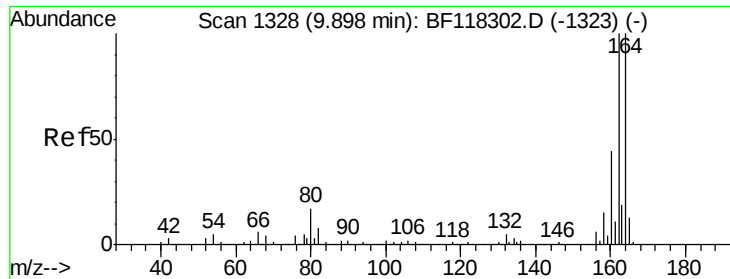


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

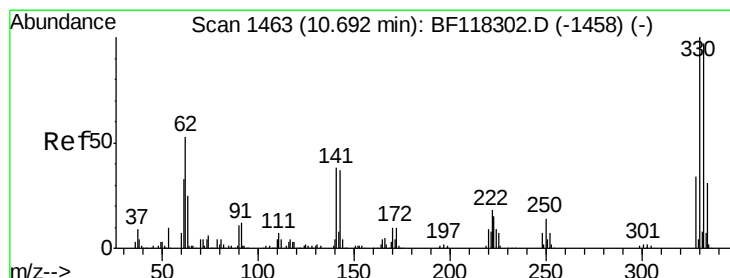
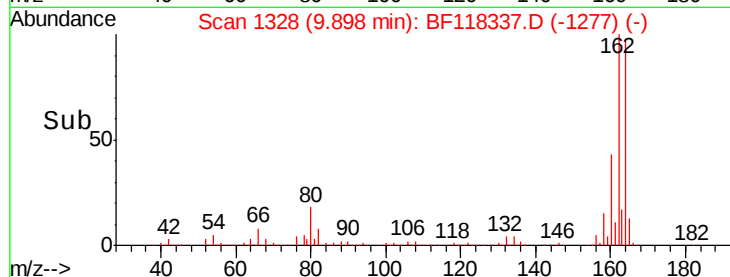
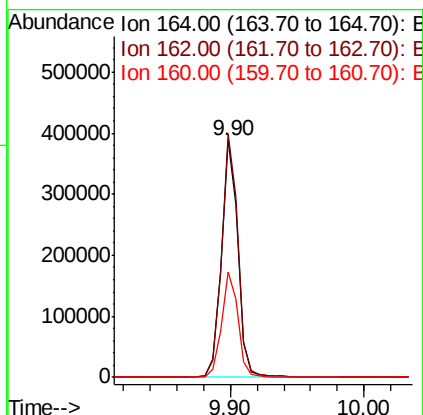
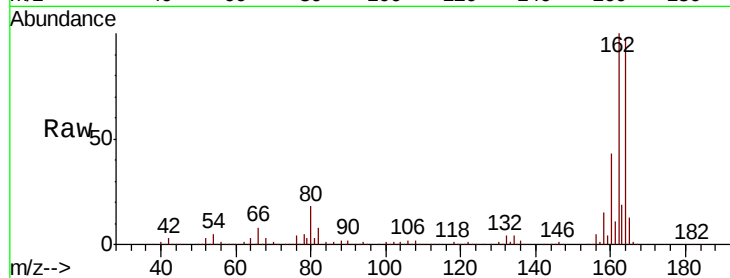




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: BF118337.D
 Acq: 27 Dec 2019 14:53

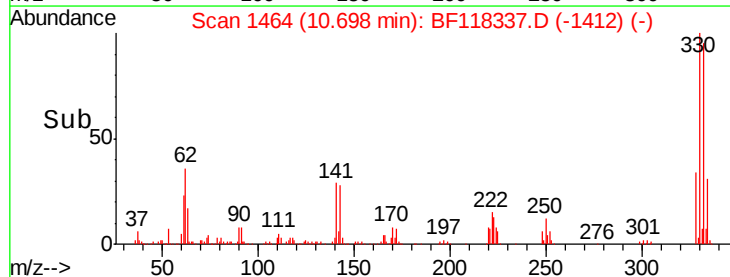
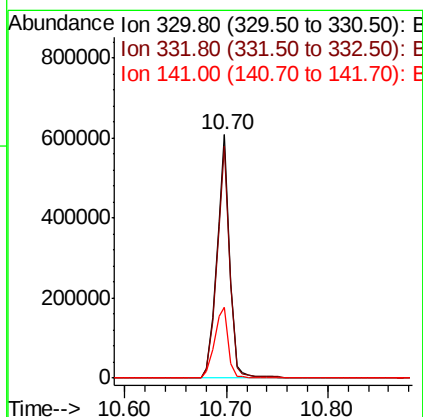
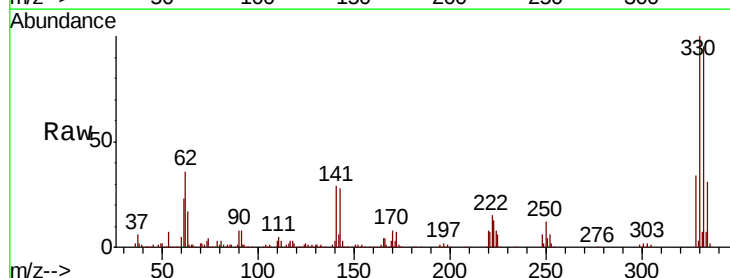
Instrument :
 BNA_F
 ClientSampled :

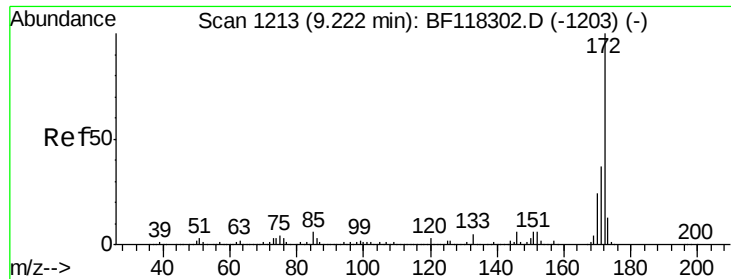
Tot Ion:164 Resp: 337940
 Ion Ratio Lower Upper
 164 100
 162 102.8 80.0 120.0
 160 44.5 34.8 52.2



#42
 2,4,6-Tribromophenol
 Concen: 126.260 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118337.D
 Acq: 27 Dec 2019 14:53

Tgt Ion:330 Resp: 526924
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 114.8
 141 32.1 26.0 39.0

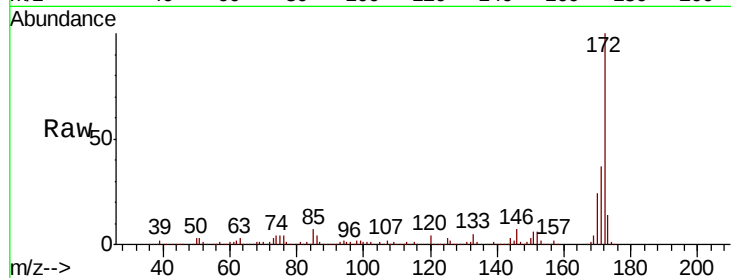




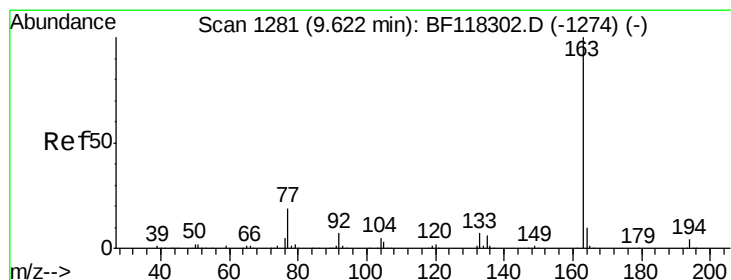
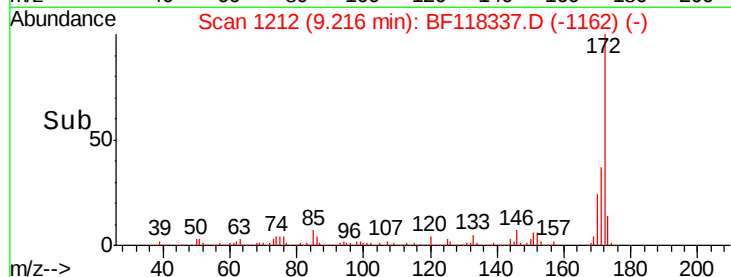
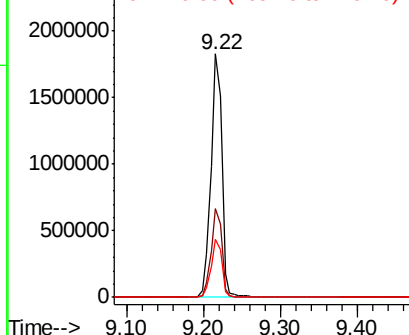
#45
2-Fluorobiphenyl
Concen: 80.171 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118337.D
Acq: 27 Dec 2019 14:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1774870
Ion Ratio Lower Upper
172 100
171 36.7 29.3 43.9
170 23.7 19.2 28.8

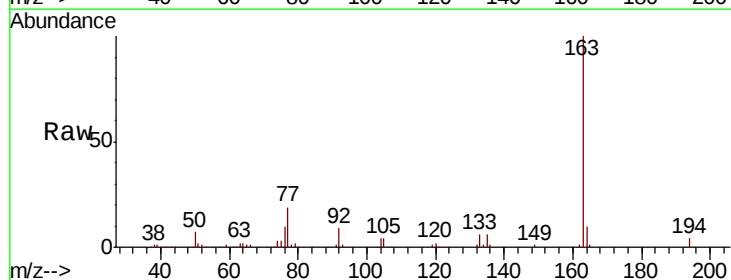


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

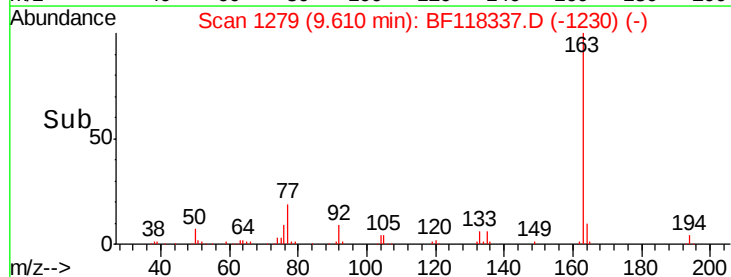
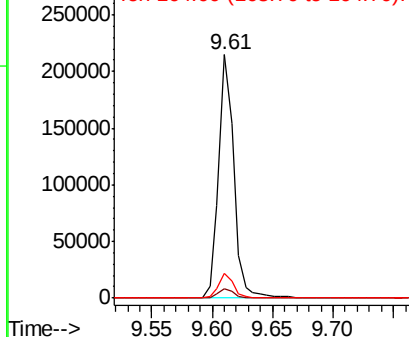


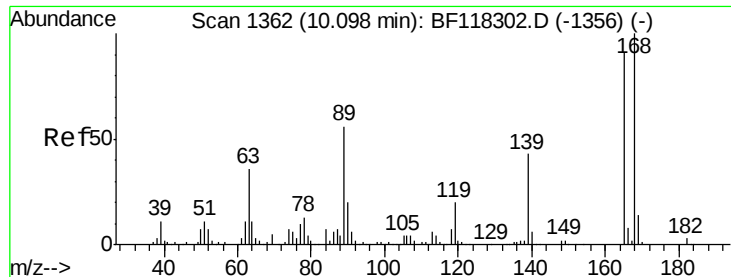
#50
Dimethylphthalate
Concen: 7.338 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118337.D
Acq: 27 Dec 2019 14:53

Tgt Ion:163 Resp: 186132
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.0 7.9 11.9



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

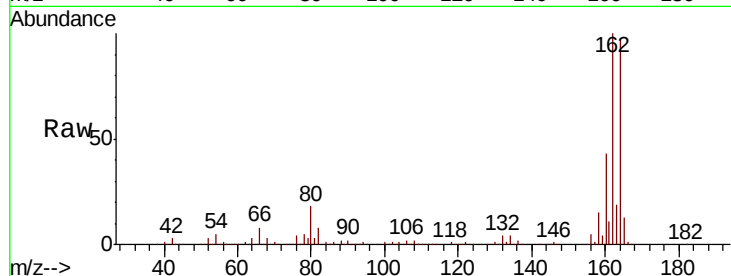




#57
 2,4-Dinitrotoluene
 Concen: 5.876 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF118337.D
 Acq: 27 Dec 2019 14:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	32.0	48.0#
89	1.7	49.3	73.9#
182	0.6	2.4	3.6#



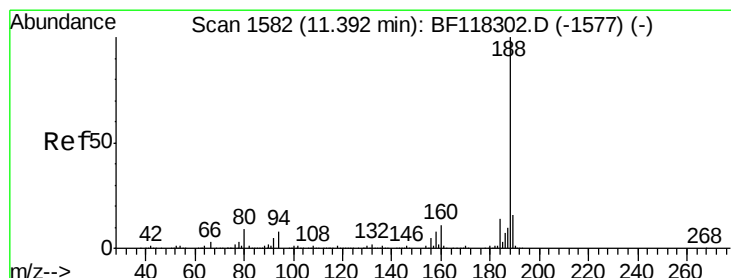
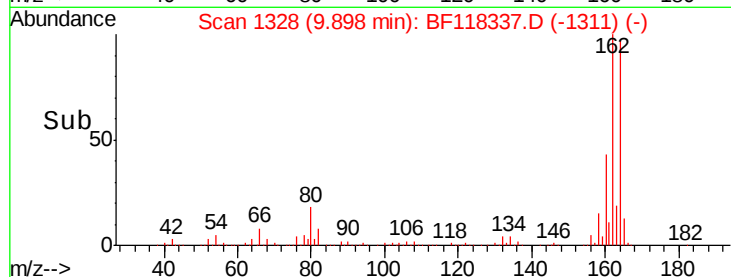
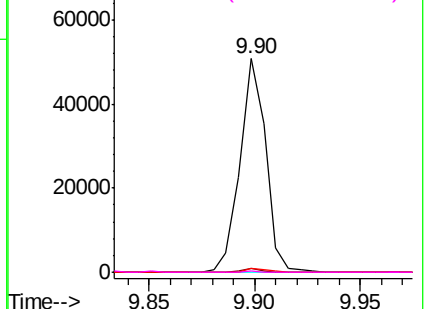
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

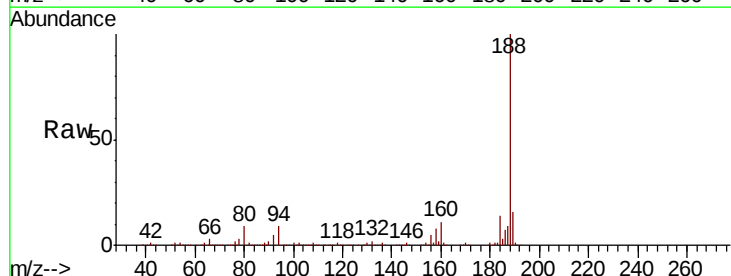
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: BF118337.D
 Acq: 27 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.7	10.1
80	9.4	7.2	10.8

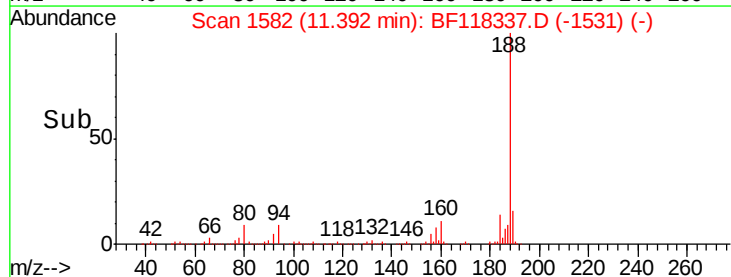
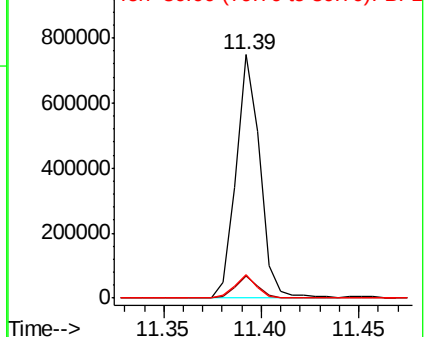


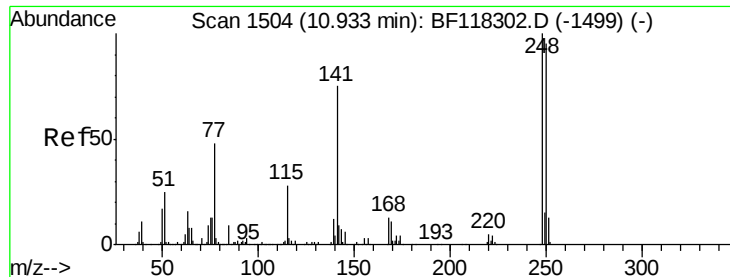
Abundance

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

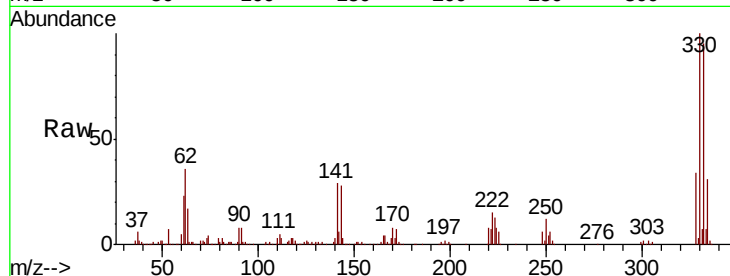




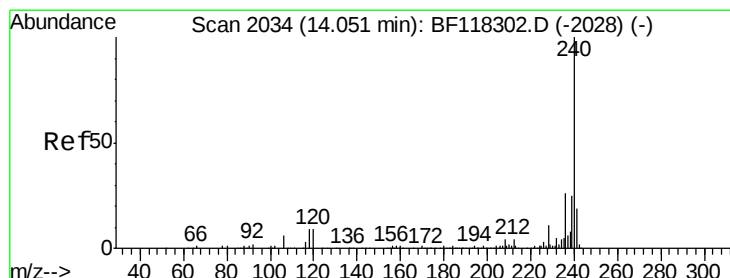
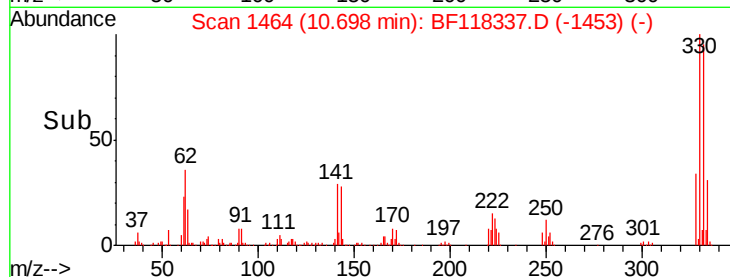
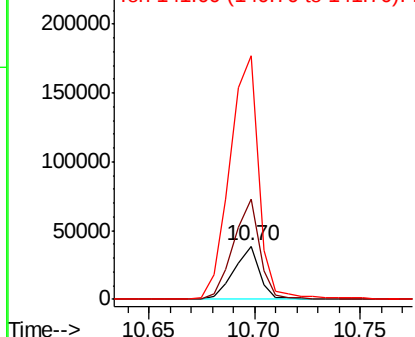
#67
4-Bromophenyl-phenylether
Concen: 4.332 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF118337.D
Acq: 27 Dec 2019 14:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 32331
Ion Ratio Lower Upper
248 100
250 187.4 76.4 114.6#
141 457.0 60.2 90.2#

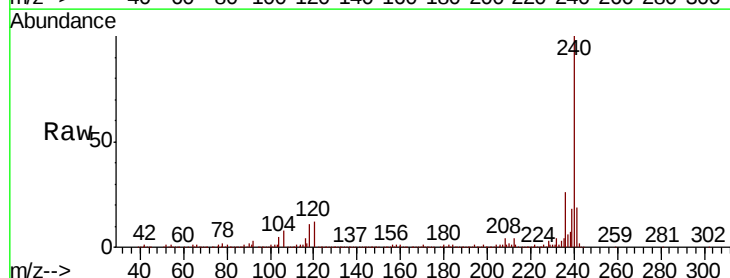


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

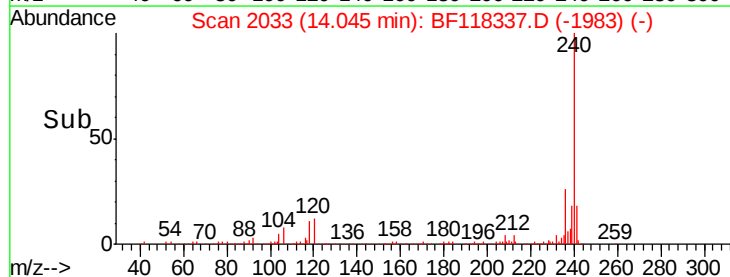
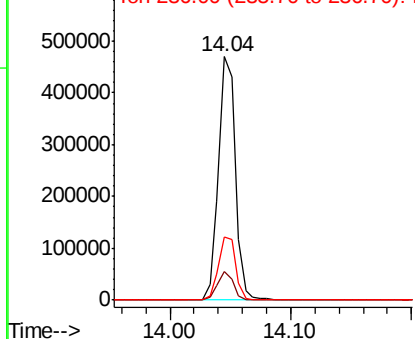


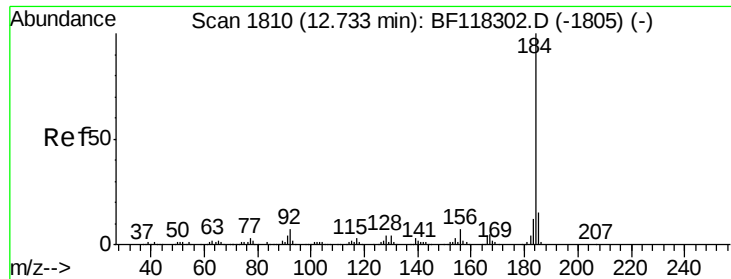
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118337.D
Acq: 27 Dec 2019 14:53

Tgt Ion:240 Resp: 451226
Ion Ratio Lower Upper
240 100
120 11.9 7.1 10.7#
236 25.9 21.0 31.6



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





#77

Benzidine

Concen: 2.420 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.25 min

Lab File: BF118337.D

Acq: 27 Dec 2019 14:53

Instrument :

BNA_F

ClientSampleId :

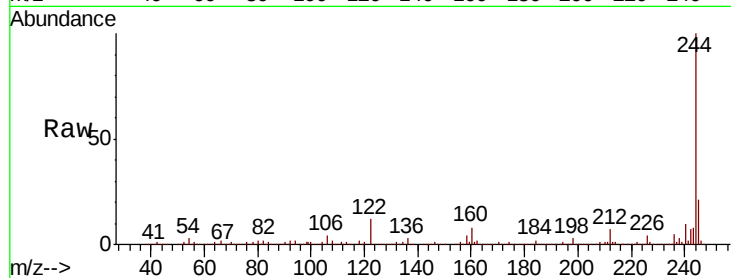
Tot Ion:184 Resp: 29919

Ion Ratio Lower Upper

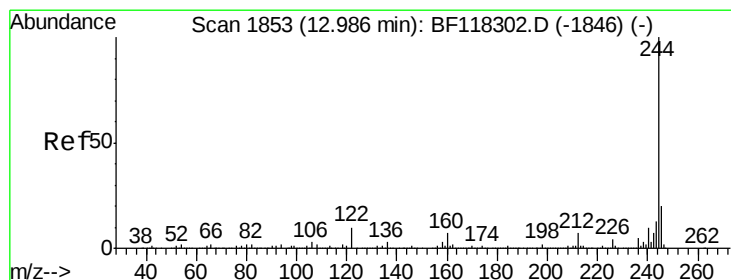
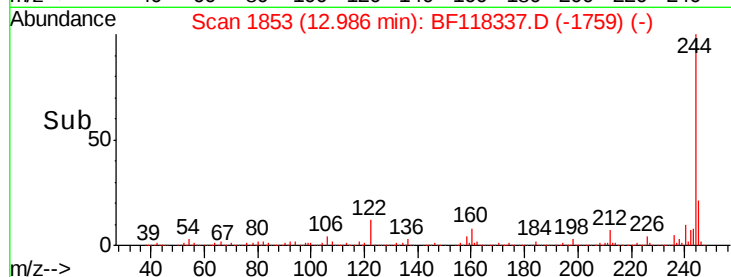
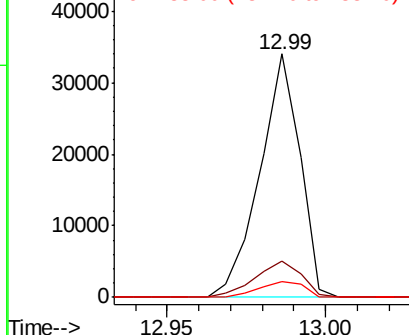
184 100

185 15.1 12.3 18.5

183 6.6 9.4 14.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 78.758 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF118337.D

Acq: 27 Dec 2019 14:53

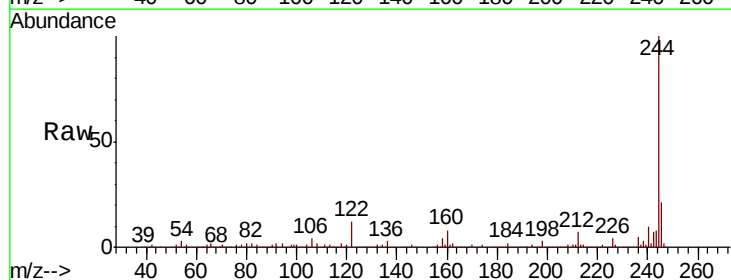
Tgt Ion:244 Resp: 2142082

Ion Ratio Lower Upper

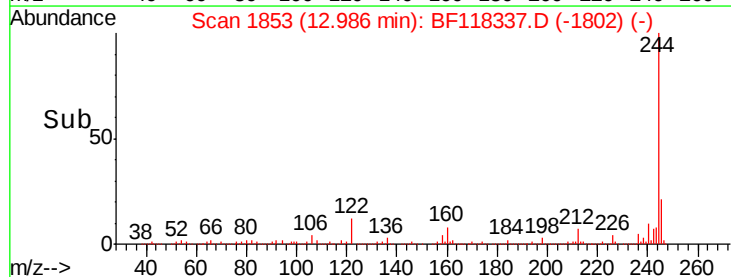
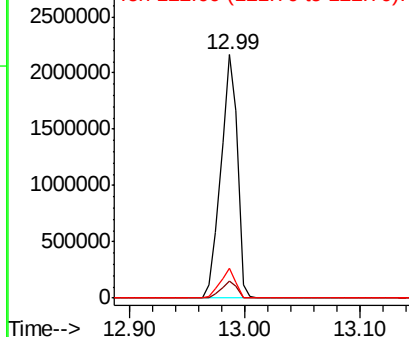
244 100

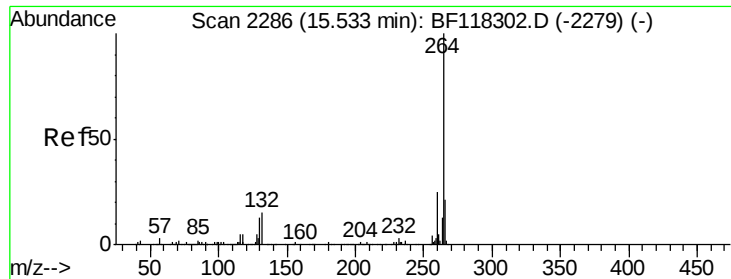
212 7.2 5.4 8.2

122 12.2 7.8 11.8#



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

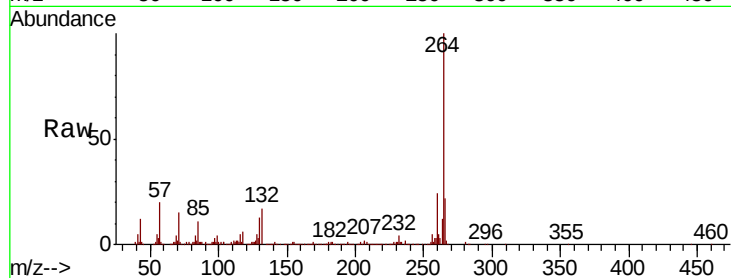




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF118337.D
 Acq: 27 Dec 2019 14:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	422677
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.6
265	21.8	17.0	25.4



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

