

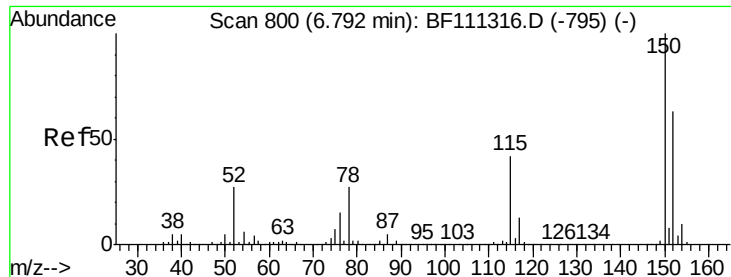
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
 Data File : BF111364.D
 Acq On : 13 Dec 2018 12:12
 Operator : JU/SJ
 Sample : J6334-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 13:20:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	185433	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	743692	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	407079	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	785954	20.00	ng	0.00
76) Chrysene-d12	13.95	240	583227	20.00	ng	0.00
87) Perylene-d12	15.39	264	452835	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	684936	62.46	ng	0.00
7) Phenol-d6	6.43	99	613218	41.48	ng	0.00
23) Nitrobenzene-d5	7.36	82	1224986	92.84	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	503406	140.28	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2243224	88.47	ng	0.00
79) Terphenyl-d14	12.90	244	2546556	96.10	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	3.24	42	19095	3.042	ng	# 1
9) Benzaldehyde	6.32	77	39187	3.216	ng	# 1
10) Phenol	6.44	94	42675	2.548	ng	# 91
15) Benzyl Alcohol	6.95	79	31659	2.796	ng	# 44
18) Hexachloroethane	7.33	117	435055	79.337	ng	# 1
22) Acetophenone	7.19	105	439489	25.441	ng	# 46
24) Nitrobenzene	7.37	77	77502	5.702	ng	# 1
25) Isophorone	7.70	82	68475	3.055	ng	# 63
31) Naphthalene	8.10	128	2906835	83.893	ng	# 99
35) Caprolactam	8.51	113	7969	2.150	ng	# 1
37) 2-Methylnaphthalene	8.79	142	1011572	45.163	ng	# 99
38) 1-Methylnaphthalene	8.89	142	621324	28.741	ng	# 100
67) 4-Bromophenyl-phenylether	10.62	248	32254	3.686	ng	# 1
77) Benzidine	12.90	184	32905	2.990	ng	# 97

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

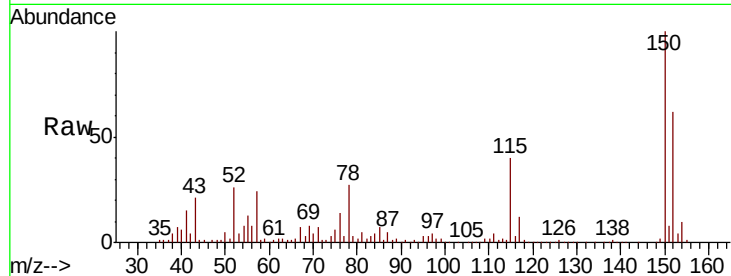


#1

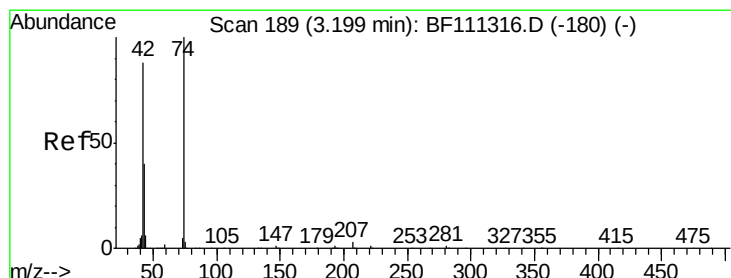
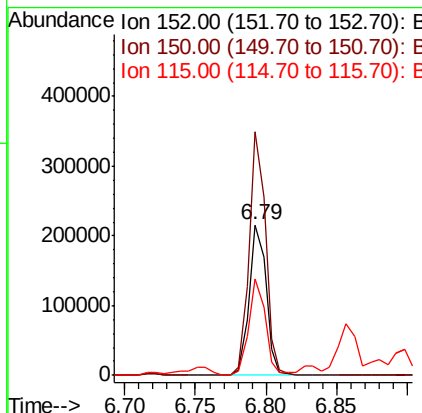
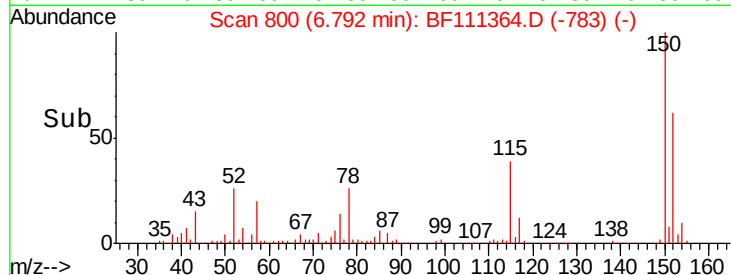
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF111364.D
Acq: 13 Dec 2018 12:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 185433
Ion Ratio Lower Upper
152 100
150 161.5 126.6 189.8
115 63.8 50.7 76.1



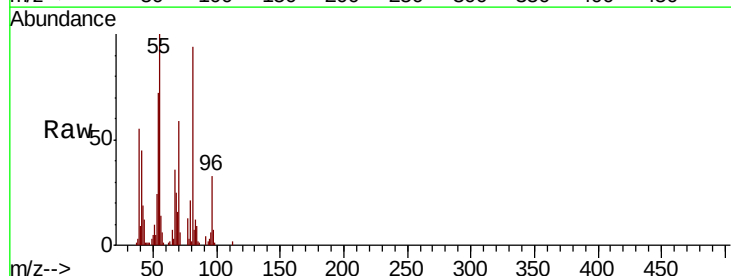
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



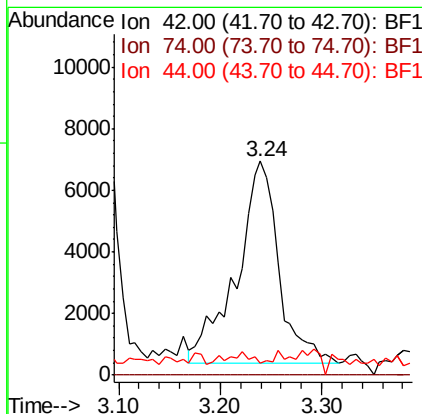
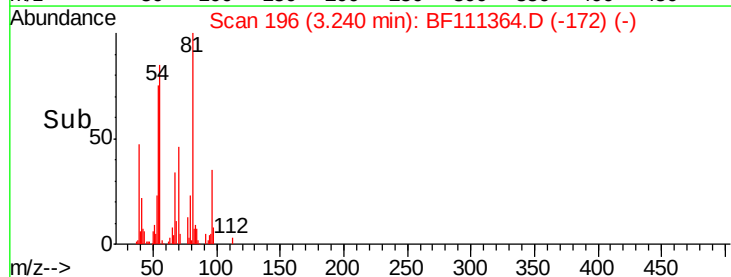
#4

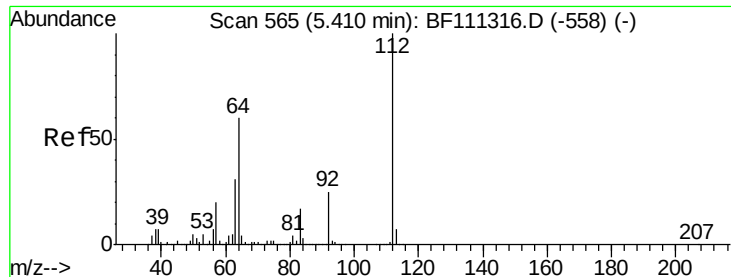
n-Nitrosodimethylamine
Concen: 3.042 ng
RT: 3.24 min Scan# 196
Delta R.T. 0.04 min
Lab File: BF111364.D
Acq: 13 Dec 2018 12:12

Tgt Ion: 42 Resp: 19095
Ion Ratio Lower Upper
42 100
74 0.0 101.5 152.3#
44 5.3 6.0 9.0#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 62.462 ng

RT: 5.41 min Scan# 565

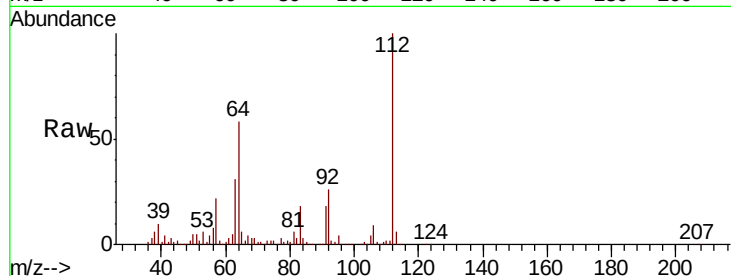
Delta R.T. 0.00 min

Lab File: BF111364.D

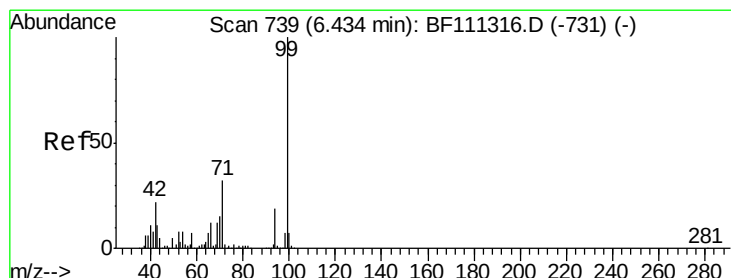
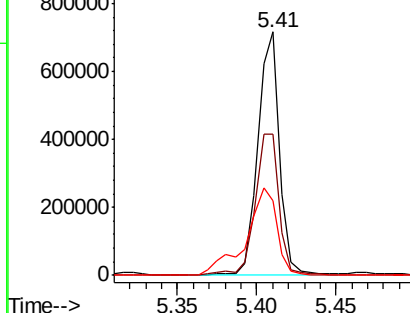
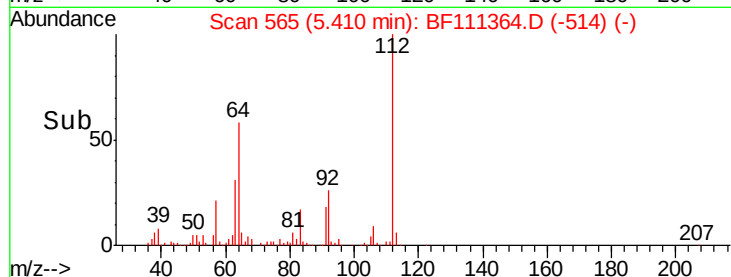
Acq: 13 Dec 2018 12:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	112	Resp:	684936
Ion	Ratio	Lower	Upper
112	100		
64	58.0	51.8	77.6
63	30.7	26.8	40.2



Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 41.477 ng

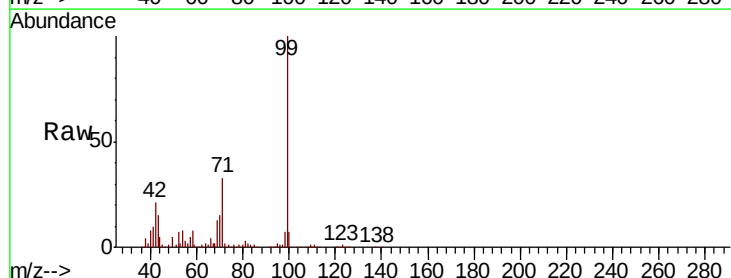
RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

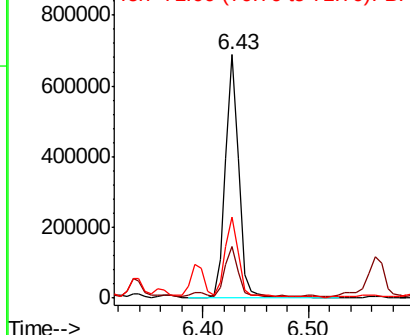
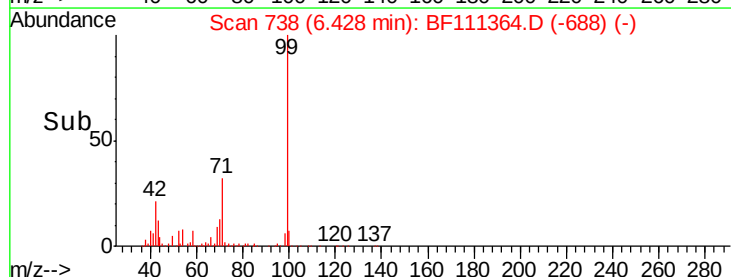
Lab File: BF111364.D

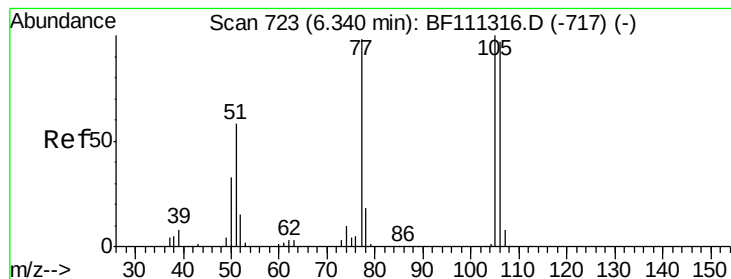
Acq: 13 Dec 2018 12:12

Tgt Ion:	99	Resp:	613218
Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.4	26.0
71	33.2	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





#9

Benzaldehyde

Concen: 3.216 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF111364.D

Acq: 13 Dec 2018 12:12

Instrument :

BNA_F

ClientSampleId :

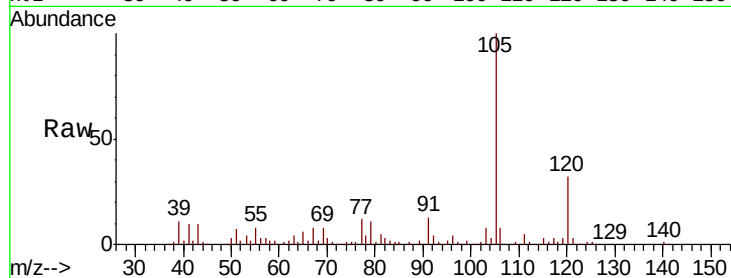
Tot Ion: 77 Resp: 39187

Ion Ratio Lower Upper

77 100

105 823.6 81.4 121.4#

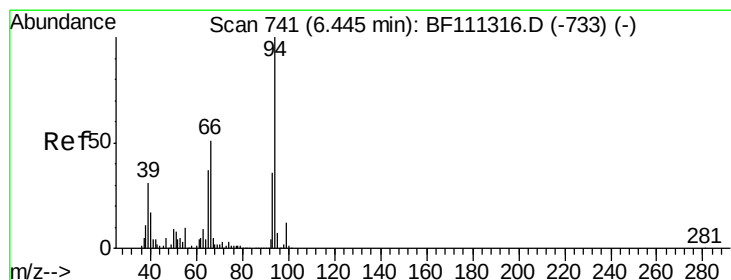
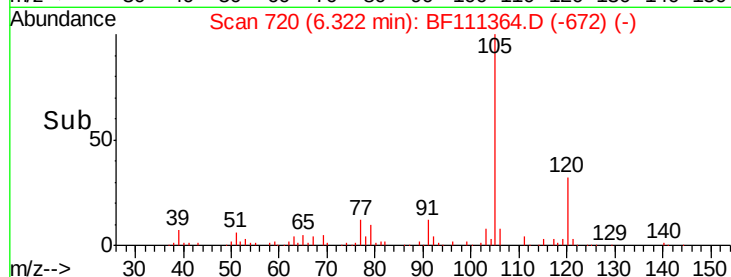
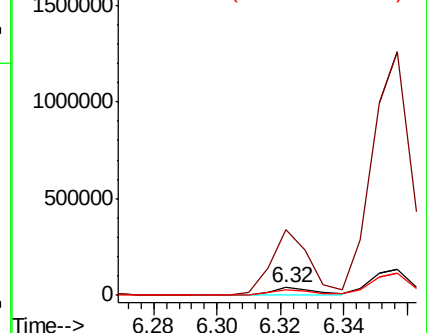
106 69.4 77.9 117.9#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 2.548 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111364.D

Acq: 13 Dec 2018 12:12

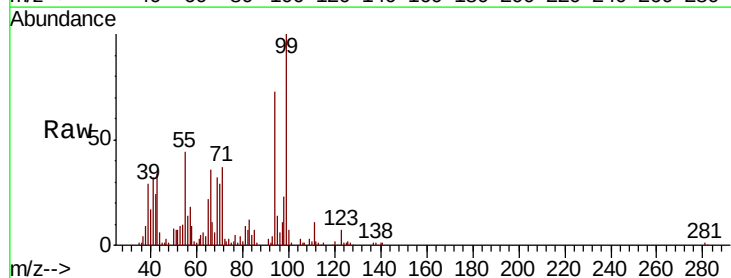
Tgt Ion: 94 Resp: 42675

Ion Ratio Lower Upper

94 100

65 31.0 11.7 51.7

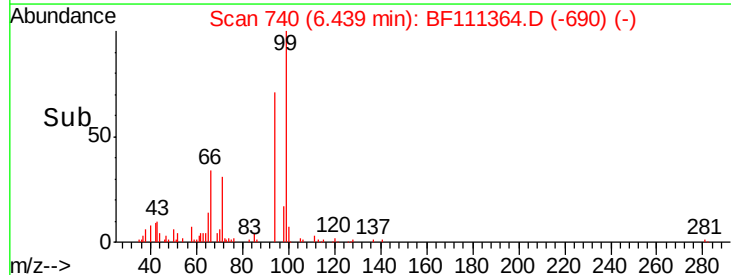
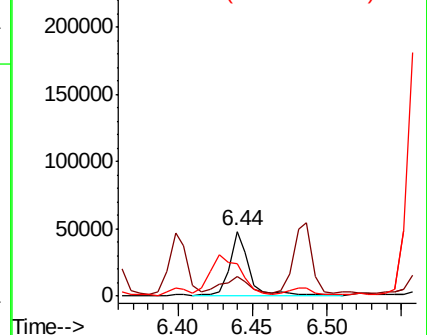
66 49.9 21.0 61.0

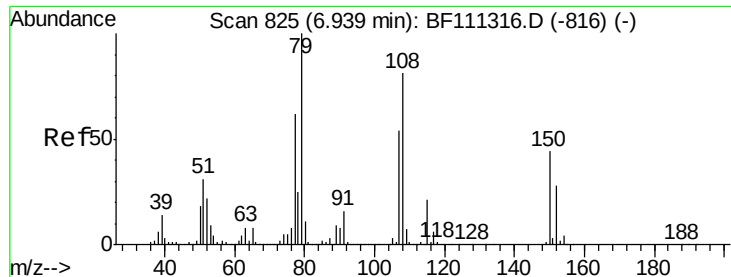


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 2.796 ng

RT: 6.95 min Scan# 827

Delta R.T. 0.01 min

Lab File: BF111364.D

Acq: 13 Dec 2018 12:12

Instrument :

BNA_F

ClientSampled :

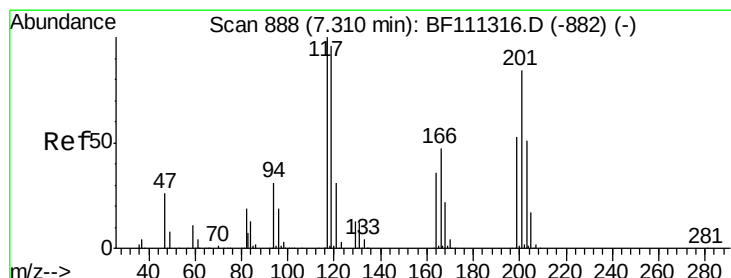
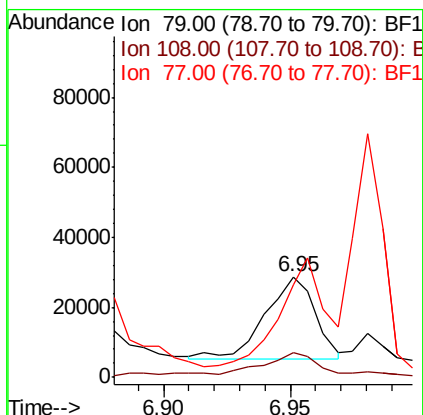
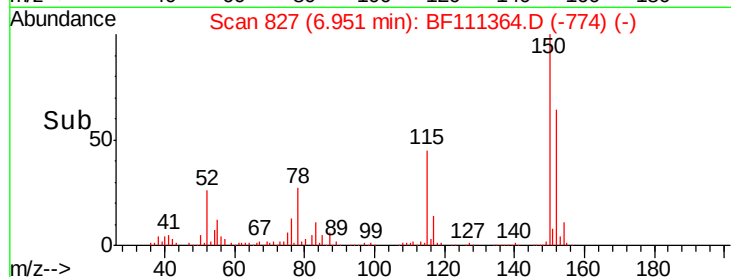
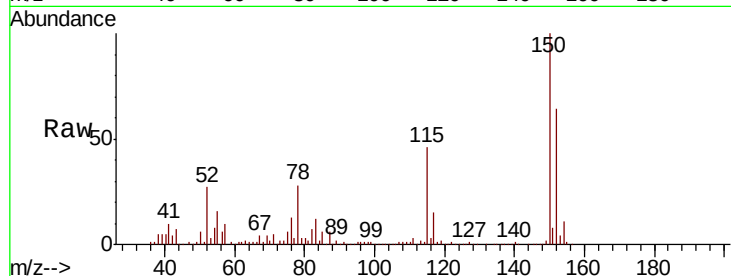
Tot Ion: 79 Resp: 31659

Ion Ratio Lower Upper

79 100

108 24.3 69.4 104.2#

77 92.5 49.7 74.5#



#18

Hexachloroethane

Concen: 79.337 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.02 min

Lab File: BF111364.D

Acq: 13 Dec 2018 12:12

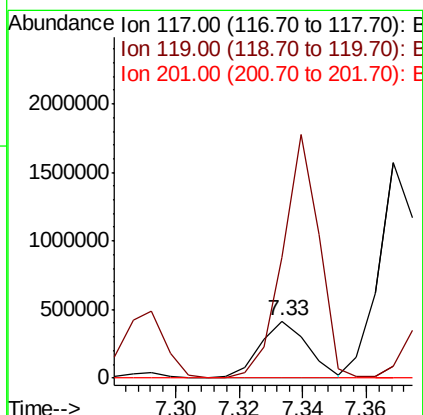
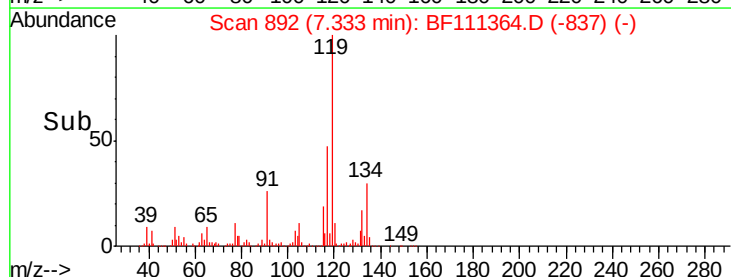
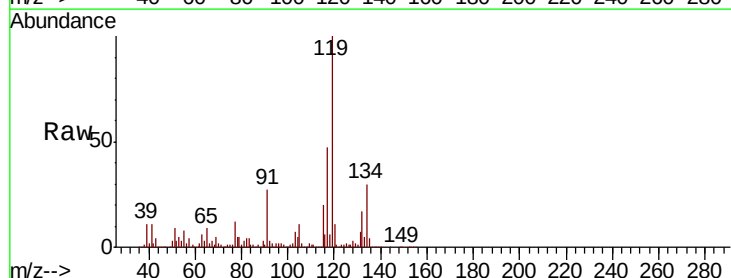
Tgt Ion: 117 Resp: 435055

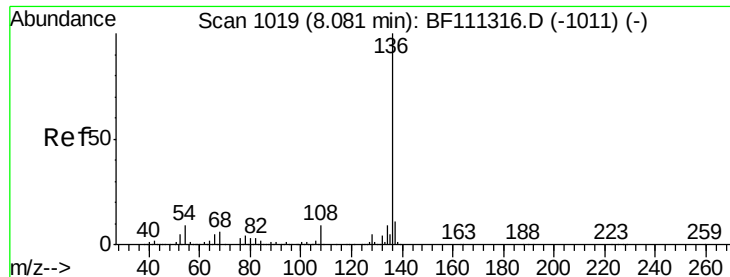
Ion Ratio Lower Upper

117 100

119 210.6 75.4 113.0#

201 0.0 62.4 93.6#

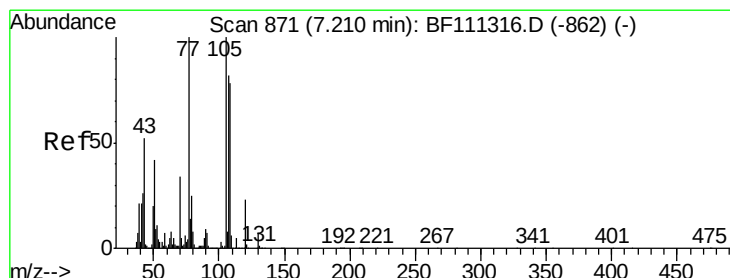
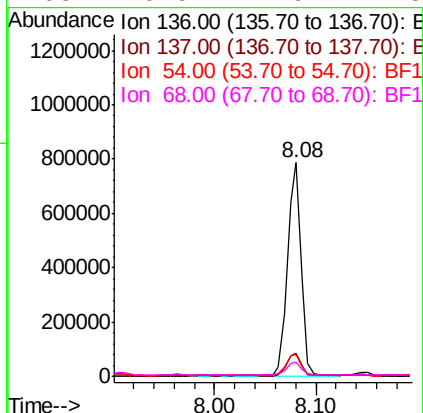
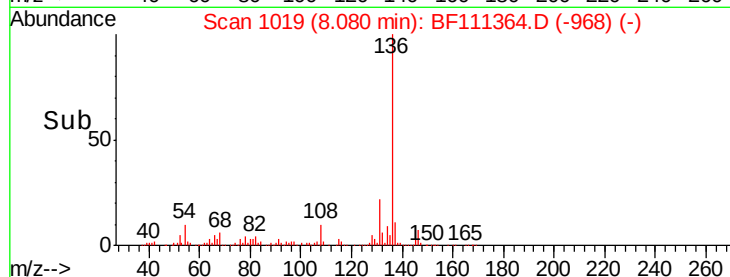
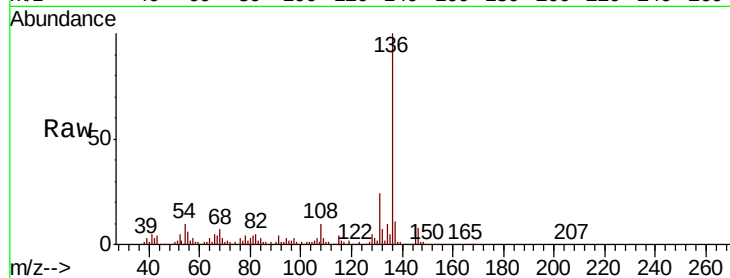




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BF111364.D
Acq: 13 Dec 2018 12:12

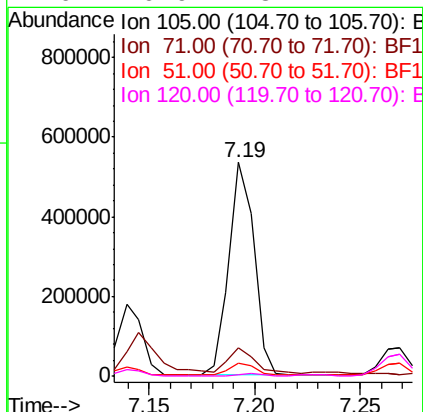
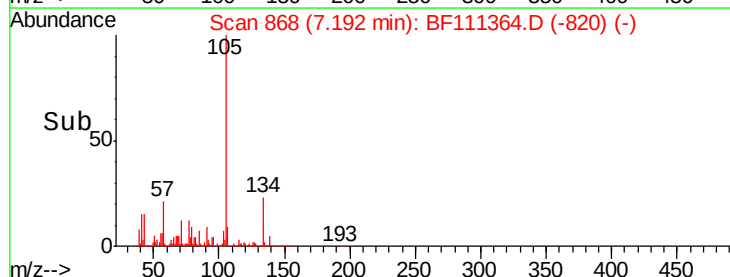
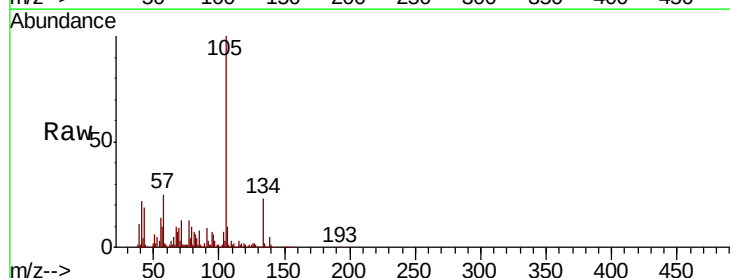
Instrument :
BNA_F
ClientSampleId :

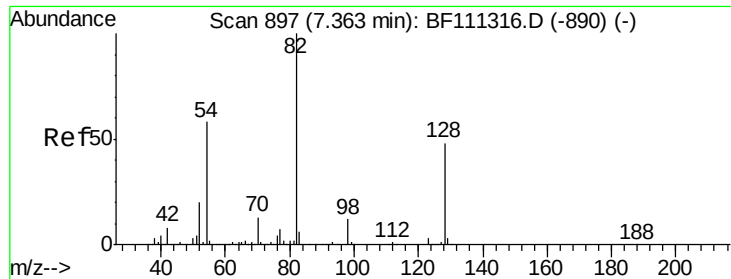
Tot Ion:136	Resp: 743692
Ion Ratio	Lower Upper
136 100	
137 11.1	9.1 13.7
54 10.2	7.7 11.5
68 6.5	4.9 7.3



#22
Acetophenone
Concen: 25.441 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.02 min
Lab File: BF111364.D
Acq: 13 Dec 2018 12:12

Tgt	Ion:105	Resp:	439489
Ion	Ratio	Lower	Upper
105	100		
71	13.3	3.1	4.7#
51	5.8	36.6	54.8#
120	0.9	18.2	27.4#



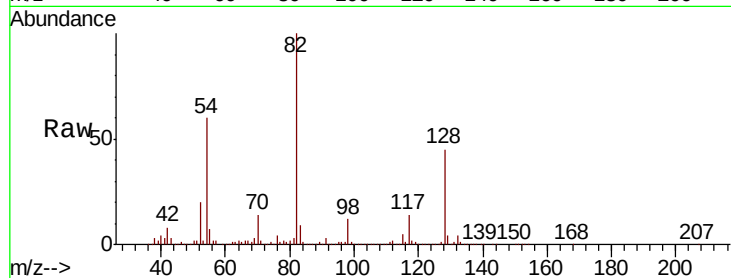


#23
 Nitrobenzene-d5
 Concen: 92.840 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF111364.D
 Acq: 13 Dec 2018 12:12

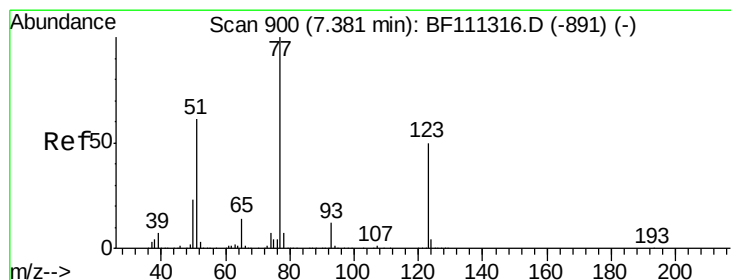
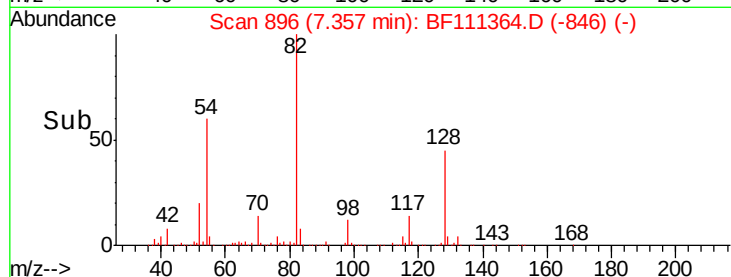
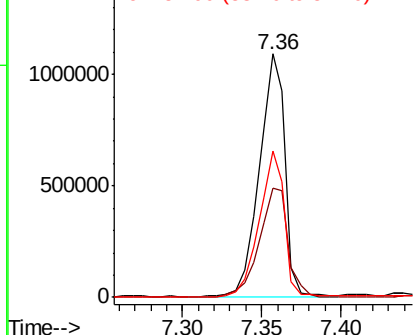
Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 1224986

Ion	Ratio	Lower	Upper
82	100		
128	45.0	37.4	56.2
54	59.9	47.6	71.4



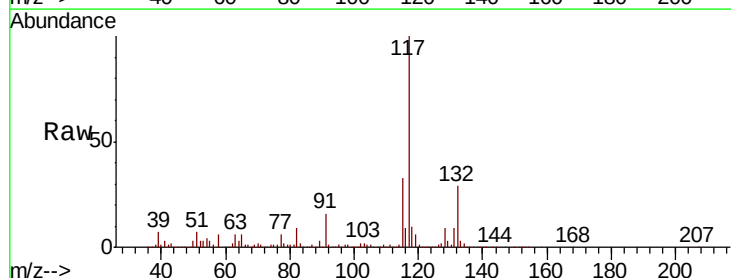
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1



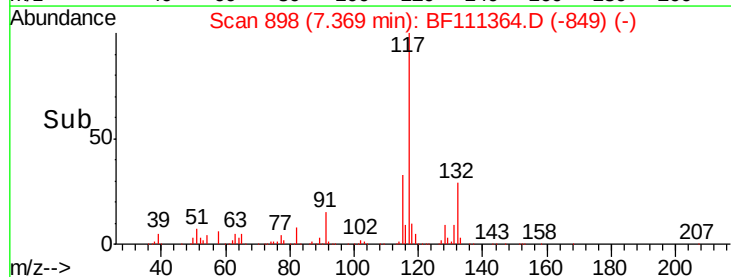
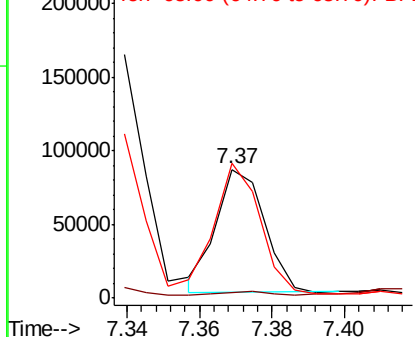
#24
 Nitrobenzene
 Concen: 5.702 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF111364.D
 Acq: 13 Dec 2018 12:12

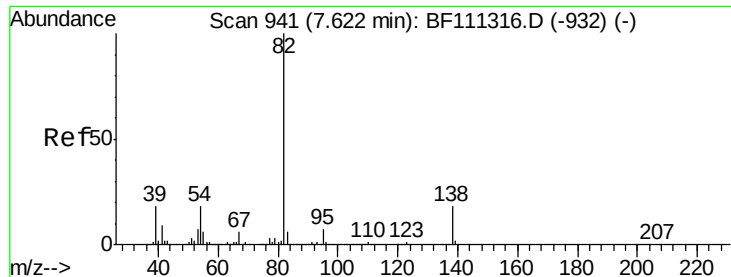
Tgt Ion: 77 Resp: 77502

Ion	Ratio	Lower	Upper
77	100		
123	3.9	37.2	55.8#
65	105.3	11.5	17.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 3.055 ng

RT: 7.70 min Scan# 955

Delta R.T. 0.08 min

Lab File: BF111364.D

Acq: 13 Dec 2018 12:12

Instrument :

BNA_F

ClientSampleId :

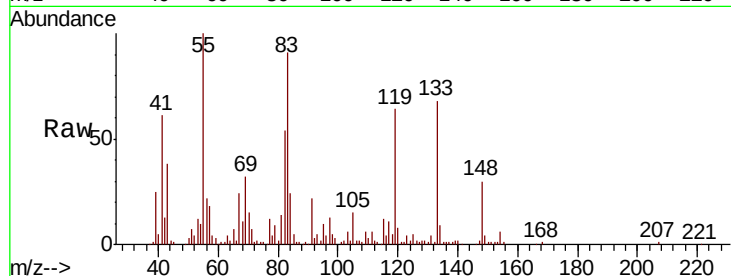
Tot Ion: 82 Resp: 68475

Ion Ratio Lower Upper

82 100

95 18.6 5.4 8.2#

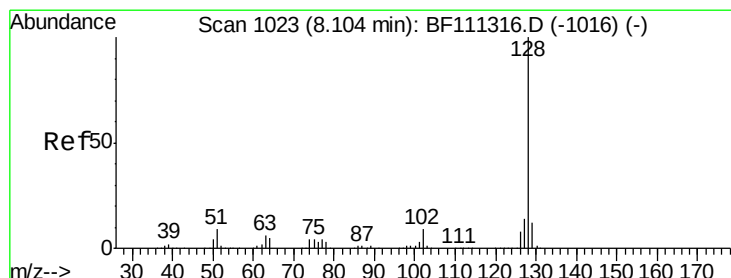
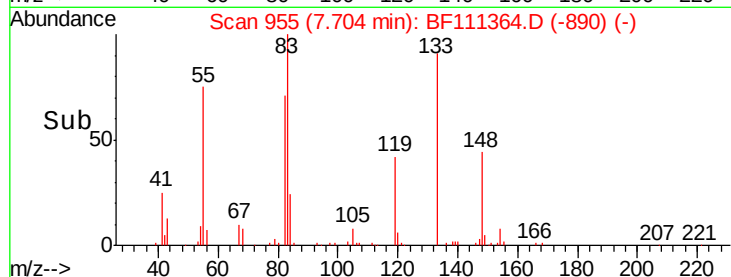
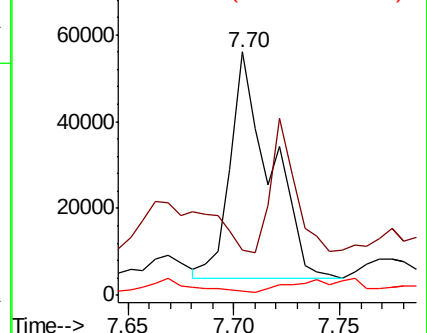
138 2.0 15.1 22.7#



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



#31

Naphthalene

Concen: 83.893 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF111364.D

Acq: 13 Dec 2018 12:12

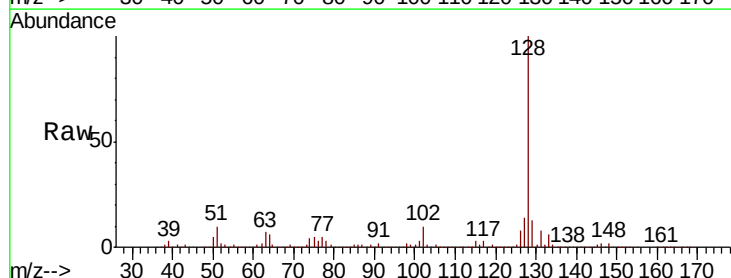
Tgt Ion: 128 Resp: 2906835

Ion Ratio Lower Upper

128 100

129 12.6 9.8 14.8

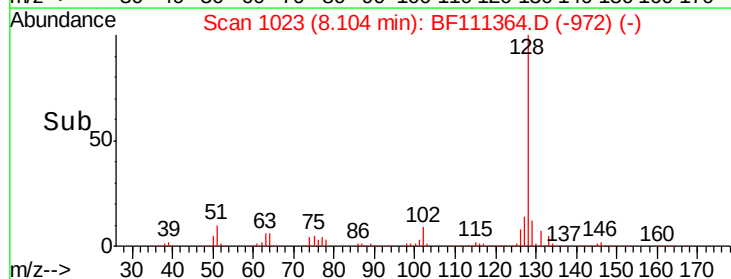
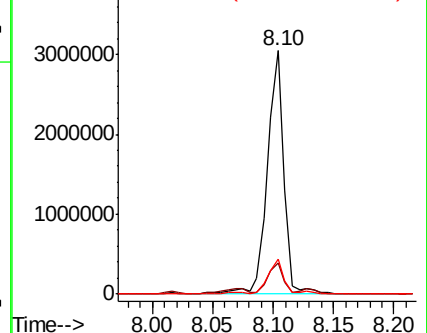
127 14.1 12.0 18.0

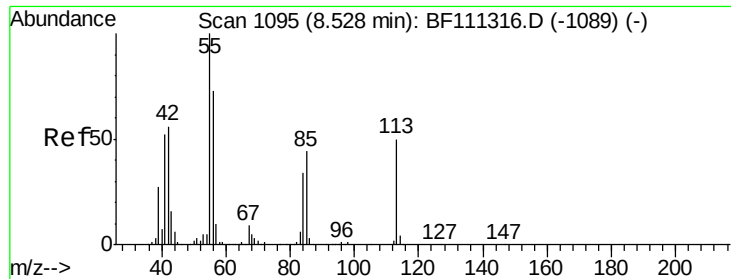


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

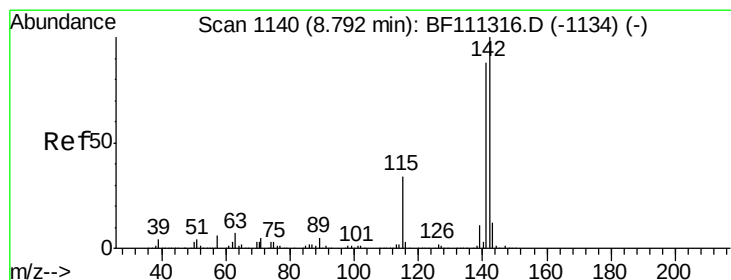
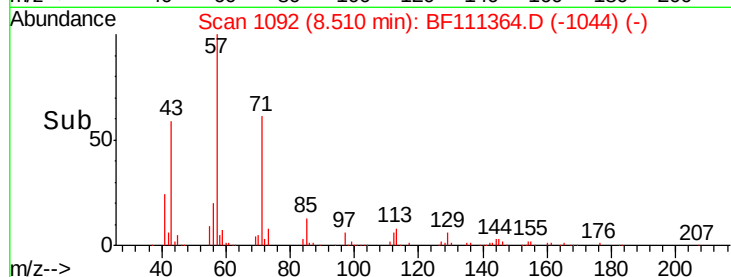
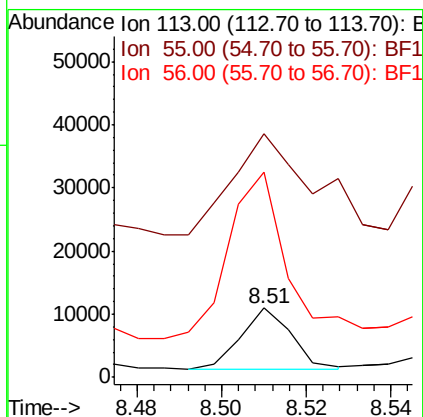
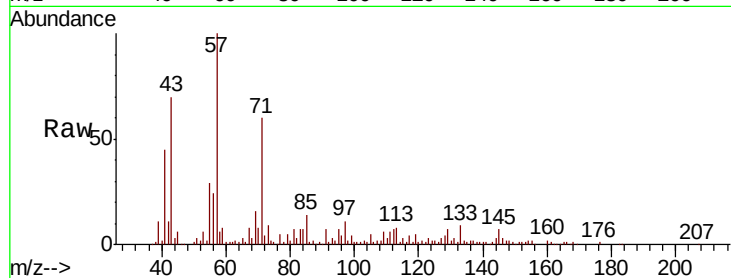




#35
 Caprolactam
 Concen: 2.150 ng
 RT: 8.51 min Scan# 1092
 Delta R.T. -0.02 min
 Lab File: BF111364.D
 Acq: 13 Dec 2018 12:12

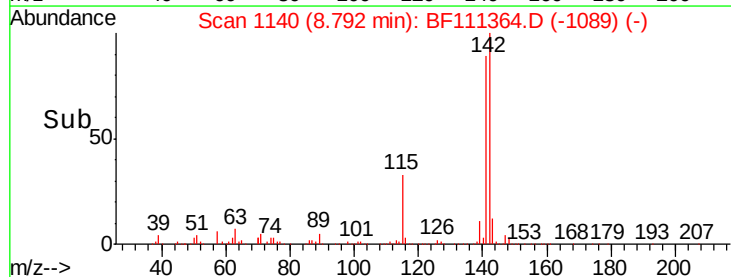
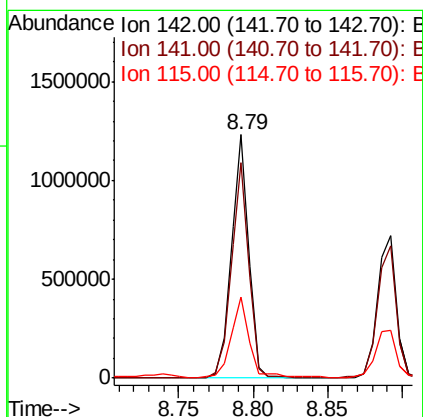
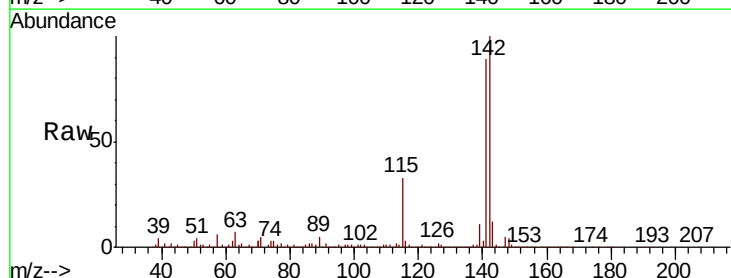
Instrument :
 BNA_F
 ClientSampled :

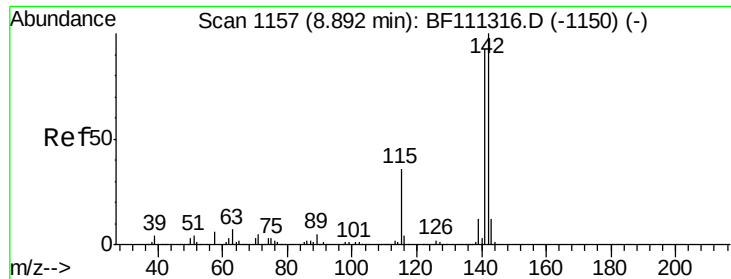
Tot Ion:113 Resp: 7969
 Ion Ratio Lower Upper
 113 100
 55 351.1 184.1 224.1#
 56 296.2 126.0 166.0#



#37
 2-Methylnaphthalene
 Concen: 45.163 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. -0.00 min
 Lab File: BF111364.D
 Acq: 13 Dec 2018 12:12

Tgt Ion:142 Resp: 1011572
 Ion Ratio Lower Upper
 142 100
 141 88.7 70.6 105.8
 115 33.4 27.0 40.6

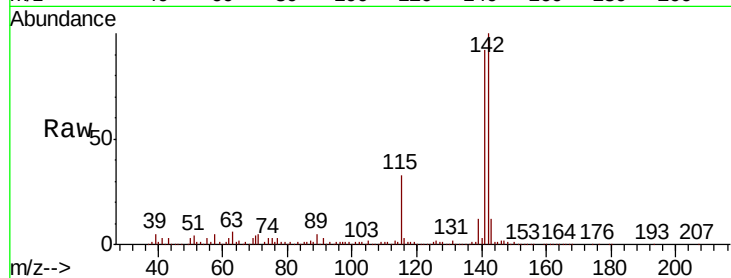




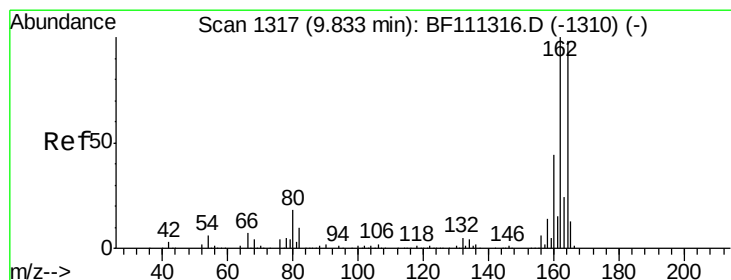
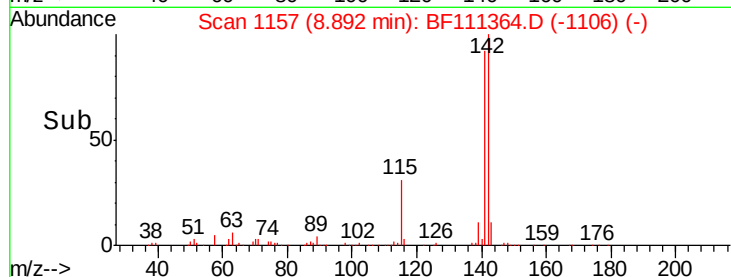
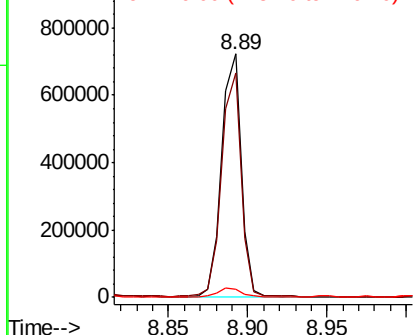
#38
 1-Methylnaphthalene
 Concen: 28.741 ng
 RT: 8.89 min Scan# 1157
 Delta R.T. -0.00 min
 Lab File: BF111364.D
 Acq: 13 Dec 2018 12:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:142 Resp: 621324
 Ion Ratio Lower Upper
 142 100
 141 92.4 74.2 111.4
 116 3.4 2.9 4.3

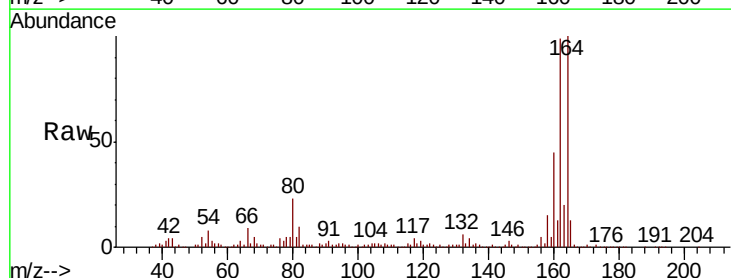


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

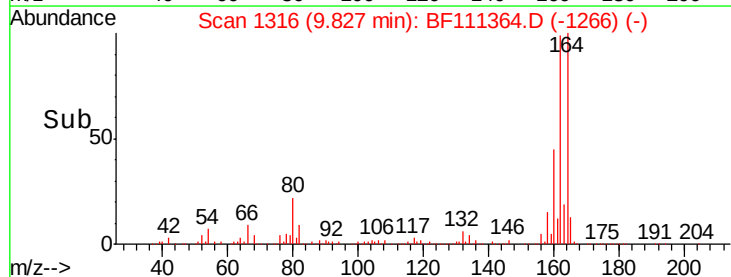
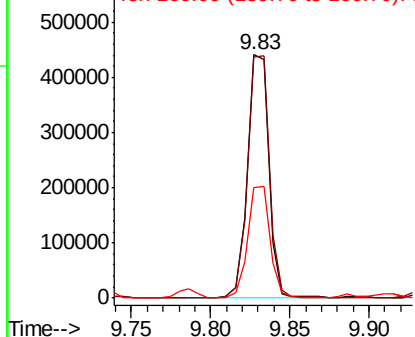


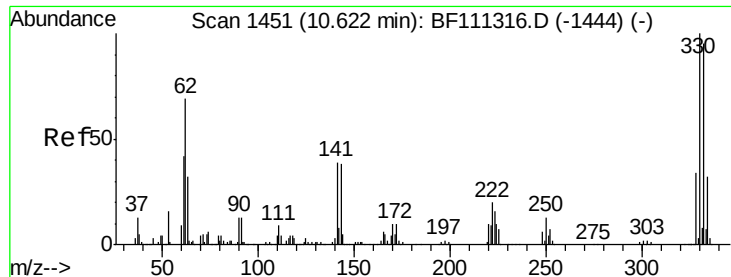
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF111364.D
 Acq: 13 Dec 2018 12:12

Tgt Ion:164 Resp: 407079
 Ion Ratio Lower Upper
 164 100
 162 98.9 81.4 122.0
 160 45.3 35.7 53.5



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: 140.285 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BF111364.D

Acq: 13 Dec 2018 12:12

Instrument :

BNA_F

ClientSampleId :

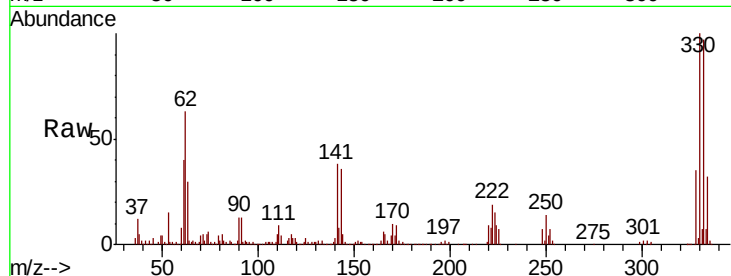
Tot Ion:330 Resp: 503406

Ion Ratio Lower Upper

330 100

332 95.3 76.0 114.0

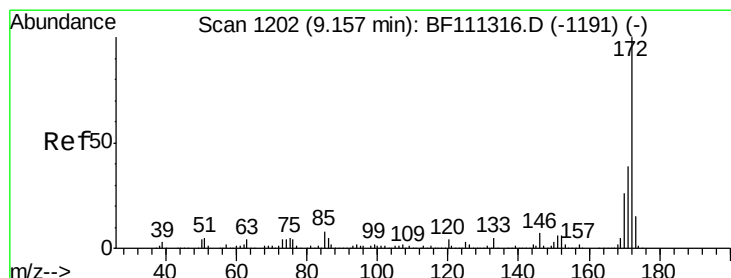
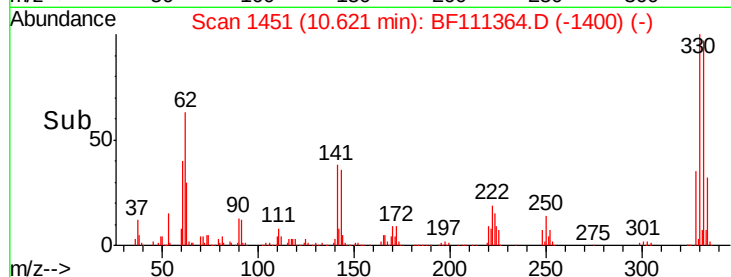
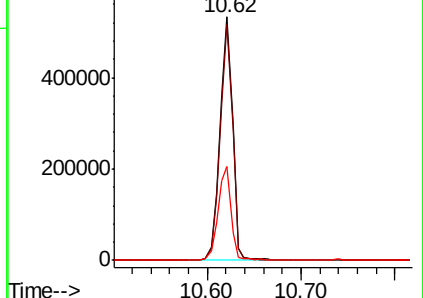
141 39.1 31.0 46.6



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: 88.471 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BF111364.D

Acq: 13 Dec 2018 12:12

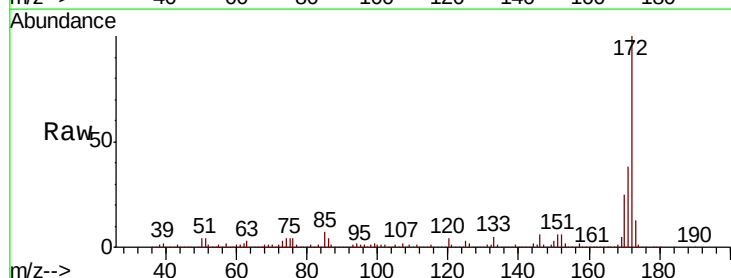
Tgt Ion:172 Resp: 2243224

Ion Ratio Lower Upper

172 100

171 37.8 33.0 49.4

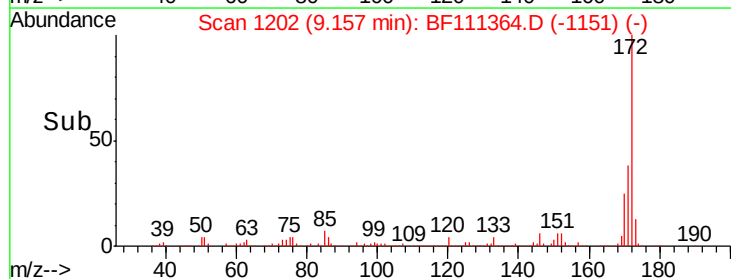
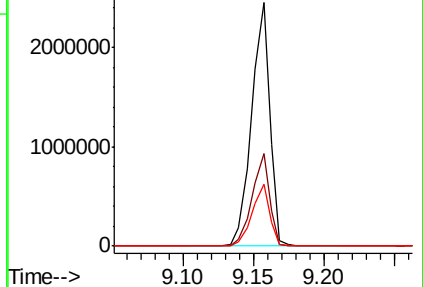
170 25.2 22.3 33.5

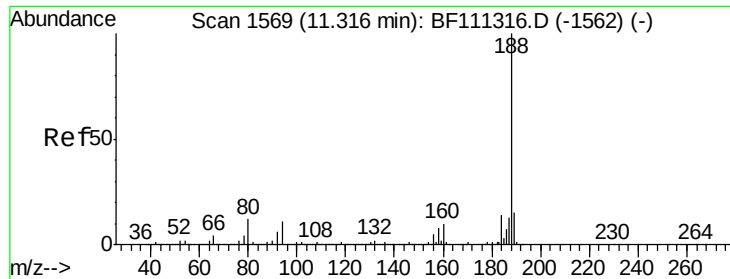


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

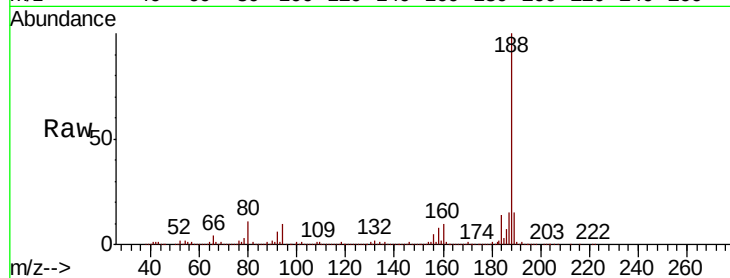




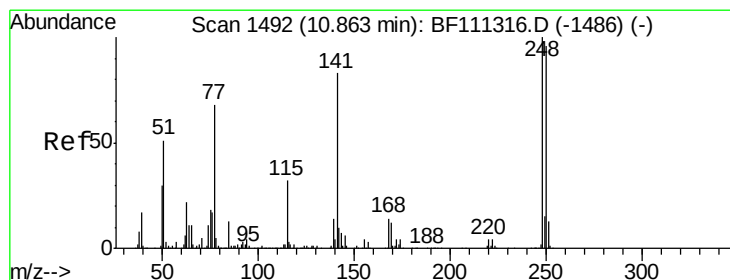
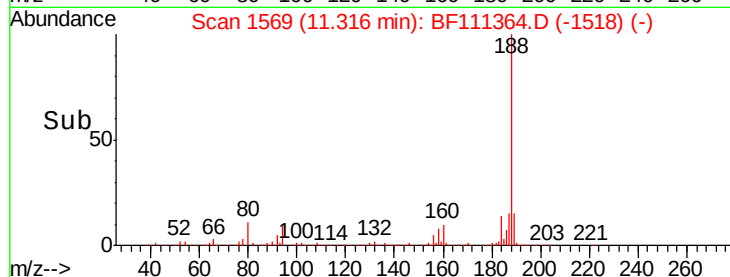
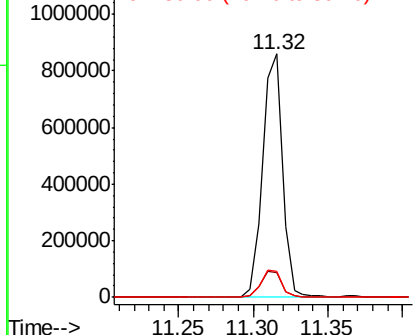
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF111364.D
Acq: 13 Dec 2018 12:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 785954
Ion Ratio Lower Upper
188 100
94 10.2 9.6 14.4
80 10.7 9.8 14.6

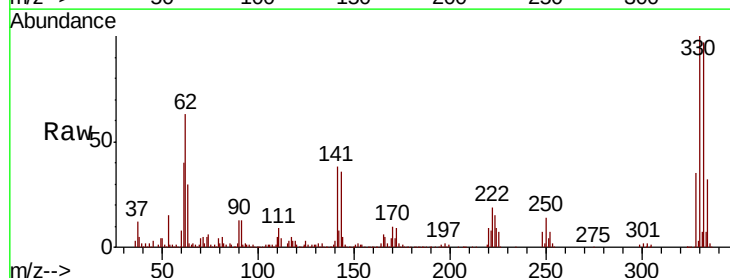


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

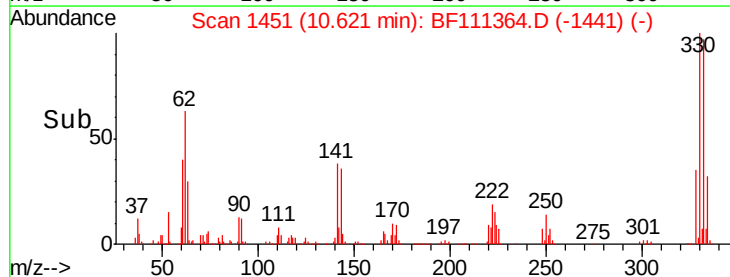
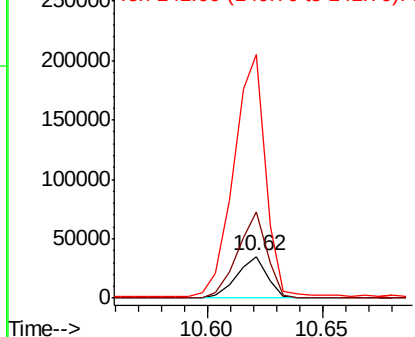


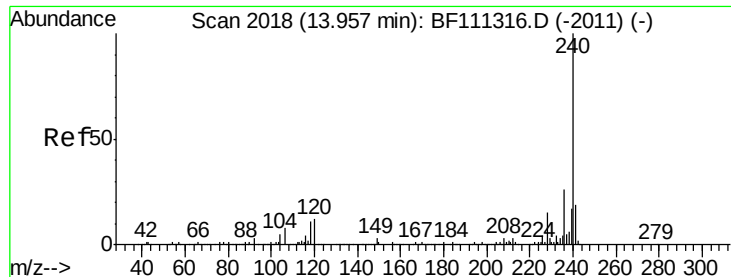
#67
4-Bromophenyl-phenylether
Concen: 3.686 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.24 min
Lab File: BF111364.D
Acq: 13 Dec 2018 12:12

Tgt Ion:248 Resp: 32254
Ion Ratio Lower Upper
248 100
250 205.9 77.0 115.4#
141 581.0 63.0 94.6#



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

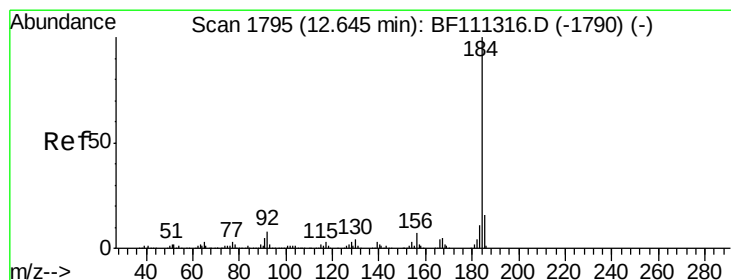
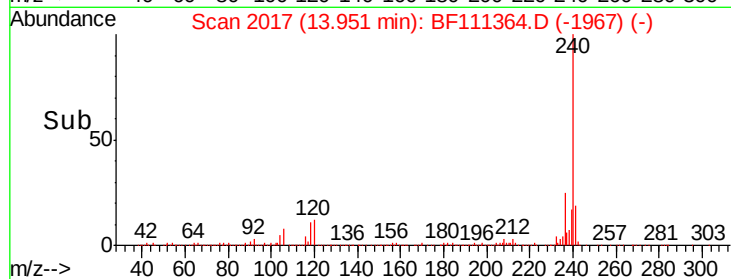
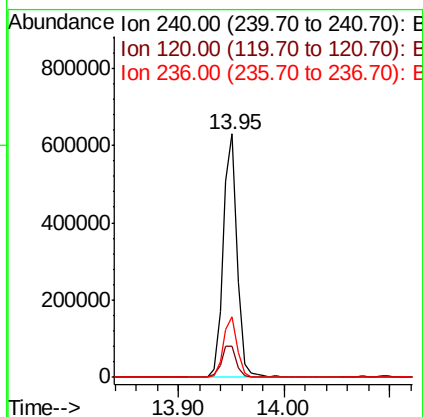
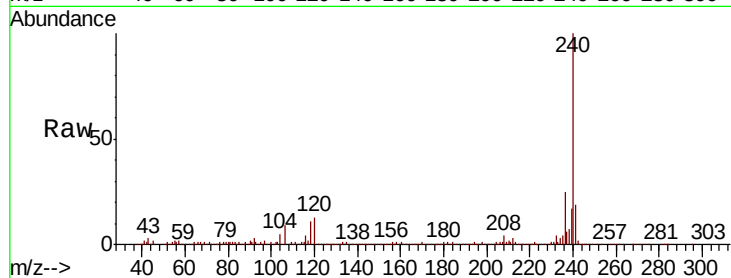




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF111364.D
 Acq: 13 Dec 2018 12:12

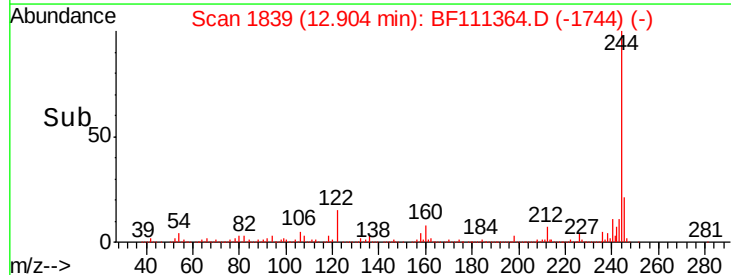
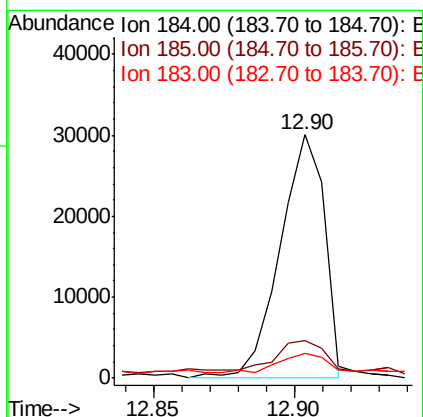
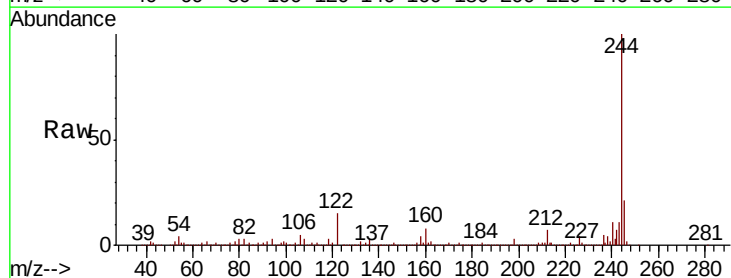
Instrument :
 BNA_F
 ClientSampleId :

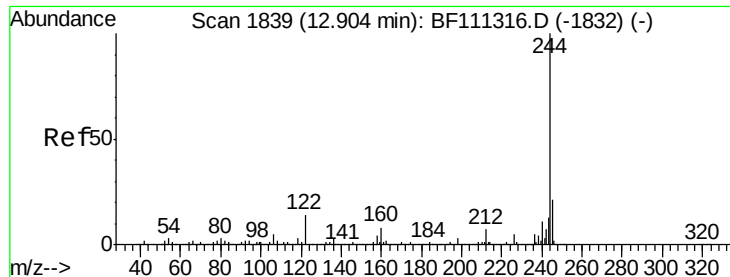
Tot Ion:240 Resp: 583227
 Ion Ratio Lower Upper
 240 100
 120 12.6 12.2 18.2
 236 25.0 20.2 30.2



#77
 Benzidine
 Concen: 2.990 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. 0.26 min
 Lab File: BF111364.D
 Acq: 13 Dec 2018 12:12

Tgt Ion:184 Resp: 32905
 Ion Ratio Lower Upper
 184 100
 185 15.7 13.0 19.6
 183 10.0 9.3 13.9





#79

Terphenyl-d14

Concen: 96.100 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF111364.D

Acq: 13 Dec 2018 12:12

Instrument :

BNA_F

ClientSampleId :

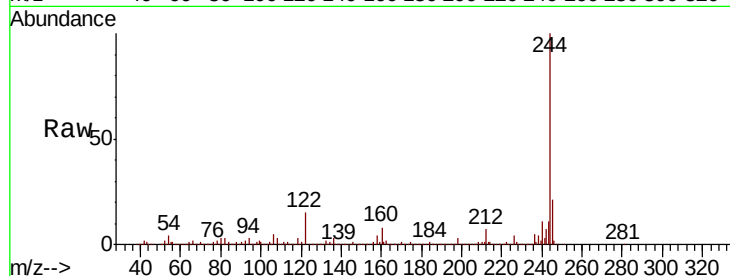
Tot Ion:244 Resp: 2546556

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

122 15.1 13.1 19.7

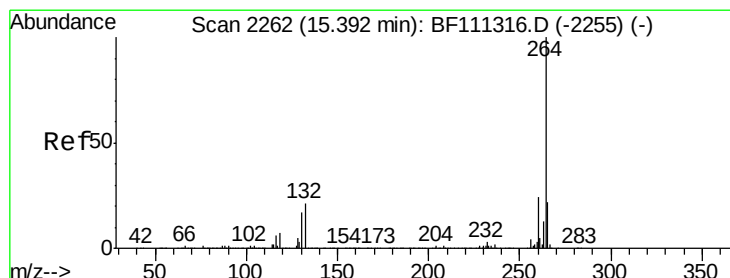
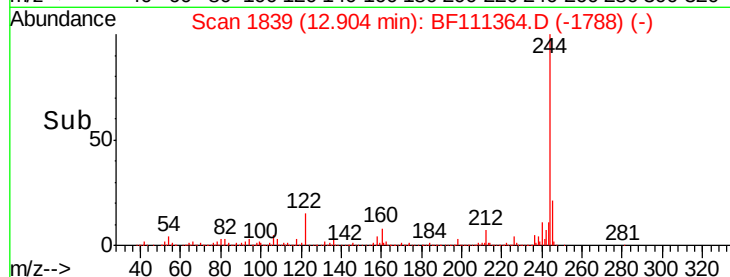
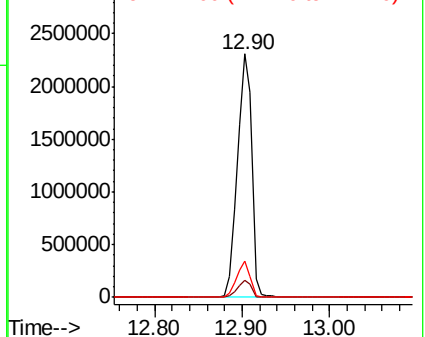


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2261

Delta R.T. -0.01 min

Lab File: BF111364.D

Acq: 13 Dec 2018 12:12

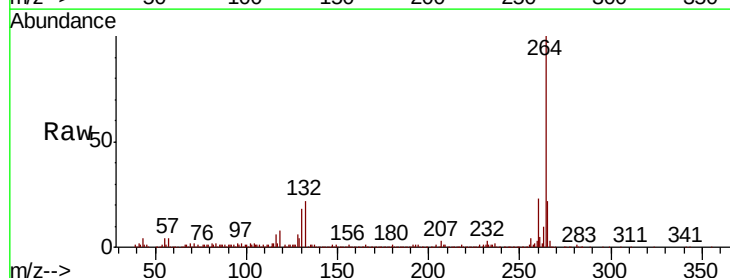
Tgt Ion:264 Resp: 452835

Ion Ratio Lower Upper

264 100

260 23.2 18.3 27.5

265 21.7 17.7 26.5



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

