

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
 Data File : BF111363.D
 Acq On : 13 Dec 2018 11:45
 Operator : JU/SJ
 Sample : J6334-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

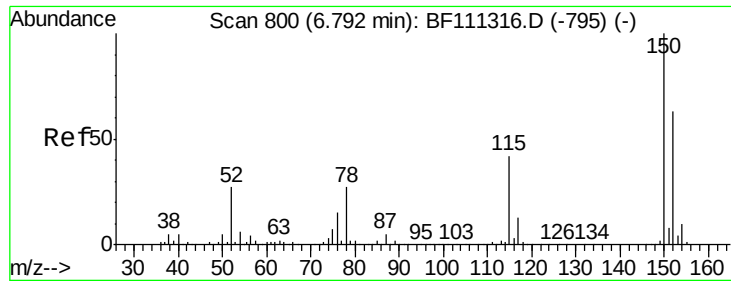
Quant Time: Dec 13 13:20:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	190169	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	703903	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	420921	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	786638	20.00	ng	0.00
76) Chrysene-d12	13.95	240	557639	20.00	ng	0.00
87) Perylene-d12	15.39	264	459759	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	726833	64.63	ng	0.00
7) Phenol-d6	6.45	99	623643	41.13	ng	0.02
23) Nitrobenzene-d5	7.37	82	1206047	96.57	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	545657	147.06	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2291606	87.41	ng	0.00
79) Terphenyl-d14	12.90	244	2510956	99.10	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.23	79	38834	2.814	ng	# 37
6) Aniline	6.46	93	677361	36.928	ng	95
9) Benzaldehyde	6.34	77	785515	Below Cal		# 1
10) Phenol	6.46	94	134422	7.826	ng	# 1
11) bis(2-Chloroethyl)ether	6.46	93	677361	50.130	ng	# 24
15) Benzyl Alcohol	6.95	79	49887	4.297	ng	# 48
17) 2-Methylphenol	7.07	107	53857	4.822	ng	# 1
18) Hexachloroethane	7.30	117	166008	29.519	ng	# 1
20) 3+4-Methylphenols	7.24	107	275760	20.703	ng	# 24
22) Acetophenone	7.20	105	1066662	65.237	ng	# 47
24) Nitrobenzene	7.38	77	163551	12.714	ng	# 1
27) 2,4-Dimethylphenol	7.49	122	28879	3.009	ng	92
28) bis(2-Chloroethoxy)methane	7.84	93	59335	4.075	ng	96
31) Naphthalene	8.12	128	7297222	222.507	ng	# 94
32) Benzoic acid	7.87	122	73335	9.191	ng	# 47
33) 4-Chloroaniline	8.12	127	1216790	86.876	ng	# 38
37) 2-Methylnaphthalene	8.80	142	3445307	162.514	ng	97
38) 1-Methylnaphthalene	8.90	142	1837458	89.802	ng	99
48) 2-Nitroaniline	9.40	65	36771	4.114	ng	# 28
50) Dimethylphthalate	9.55	163	134053	4.429	ng	# 39
67) 4-Bromophenyl-phenylether	10.63	248	35023	3.999	ng	# 1

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

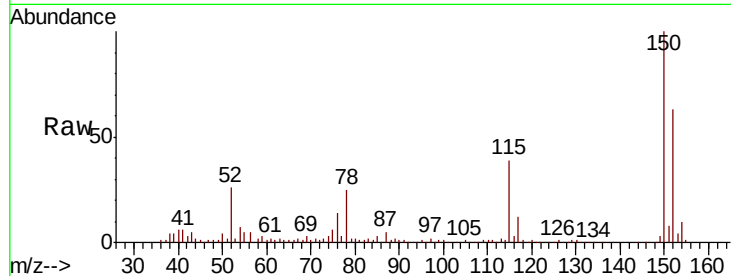


#1

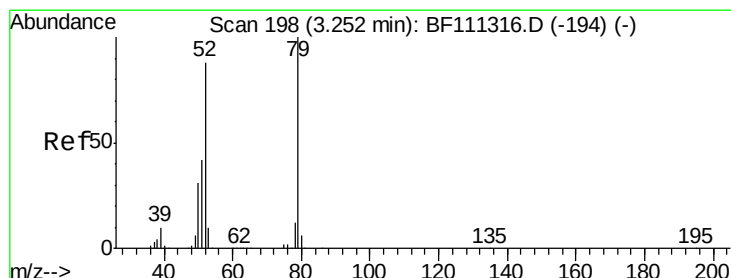
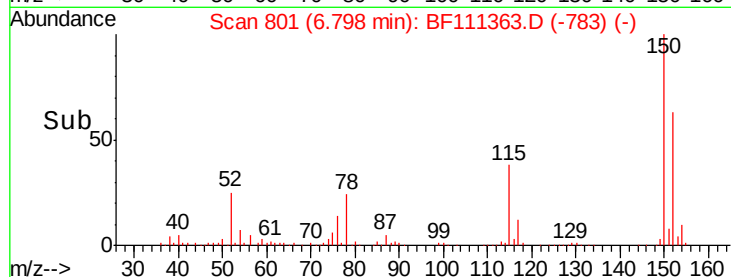
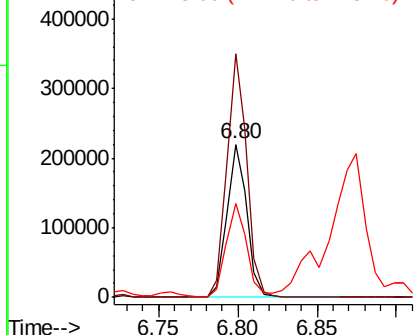
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 190169
Ion Ratio Lower Upper
152 100
150 159.0 126.6 189.8
115 61.5 50.7 76.1



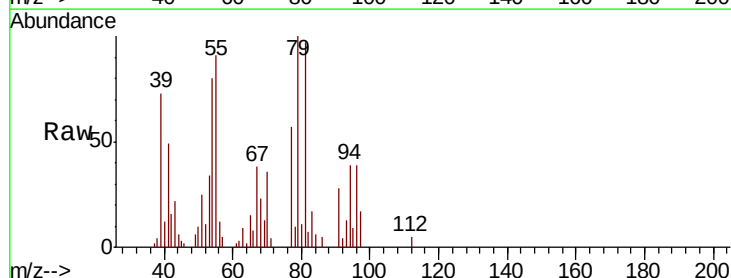
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



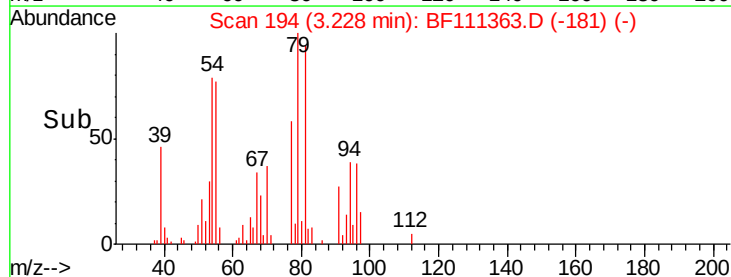
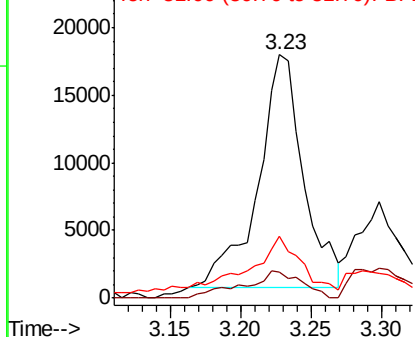
#3

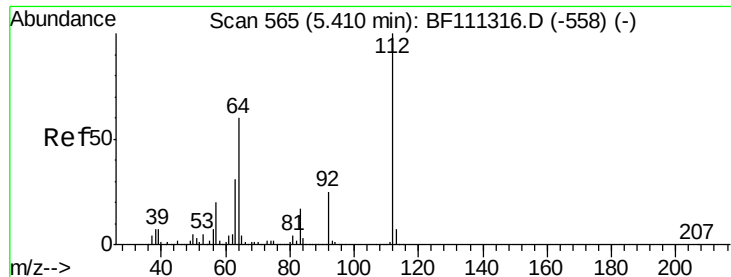
Pyridine
Concen: 2.814 ng
RT: 3.23 min Scan# 194
Delta R.T. -0.02 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

Tgt Ion: 79 Resp: 38834
Ion Ratio Lower Upper
79 100
52 10.7 68.3 102.5#
51 25.3 32.6 49.0#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1





#5

2-Fluorophenol

Concen: 64.632 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.01 min

Lab File: BF111363.D

Acq: 13 Dec 2018 11:45

Instrument :

BNA_F

ClientSampleId :

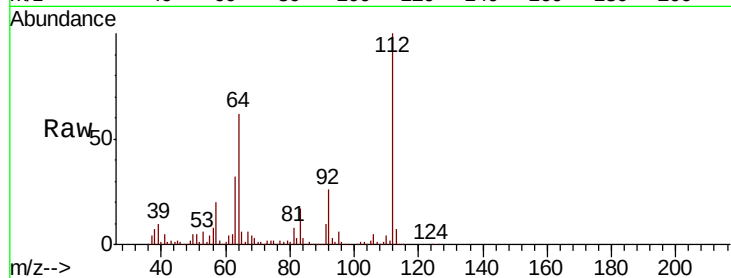
Tot Ion:112 Resp: 726833

Ion Ratio Lower Upper

112 100

64 61.6 51.8 77.6

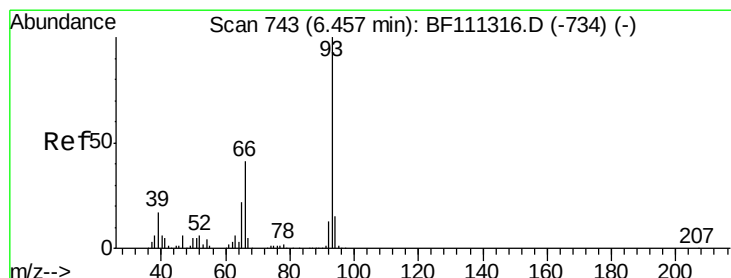
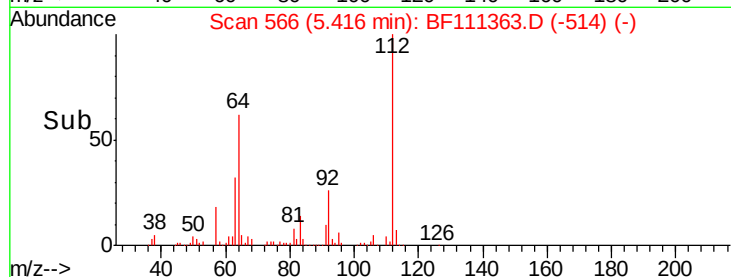
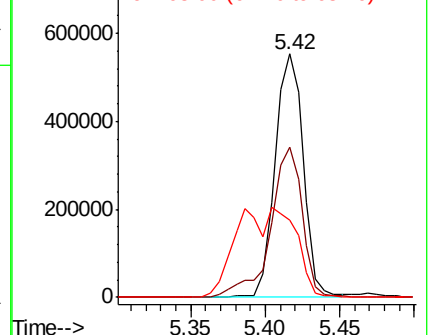
63 31.9 26.8 40.2



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



#6

Aniline

Concen: 36.928 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF111363.D

Acq: 13 Dec 2018 11:45

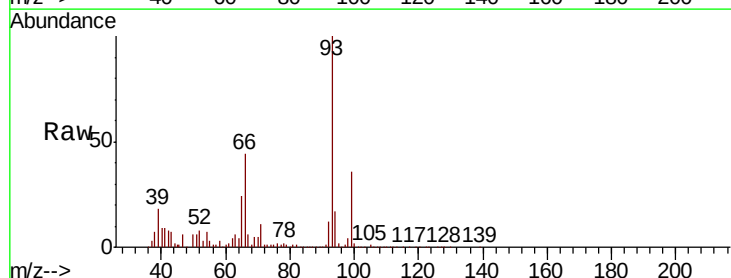
Tgt Ion: 93 Resp: 677361

Ion Ratio Lower Upper

93 100

66 44.1 33.2 49.8

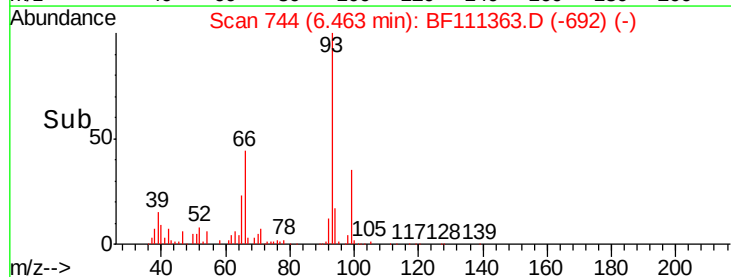
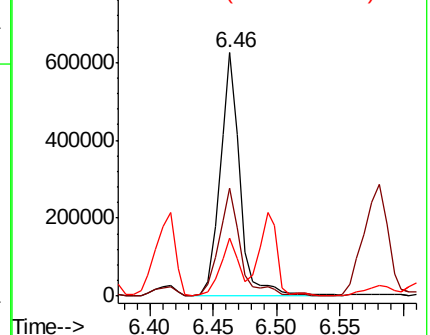
65 24.0 17.0 25.4

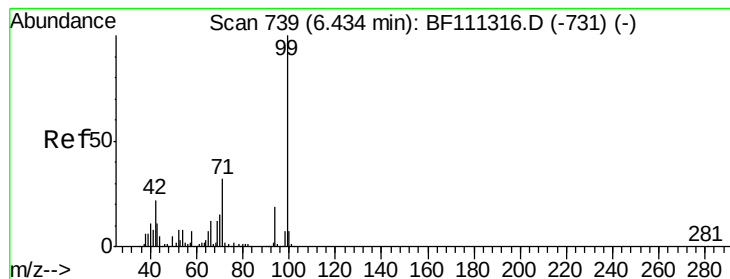


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 41.131 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.02 min

Lab File: BF111363.D

Acq: 13 Dec 2018 11:45

Instrument :

BNA_F

ClientSampleId :

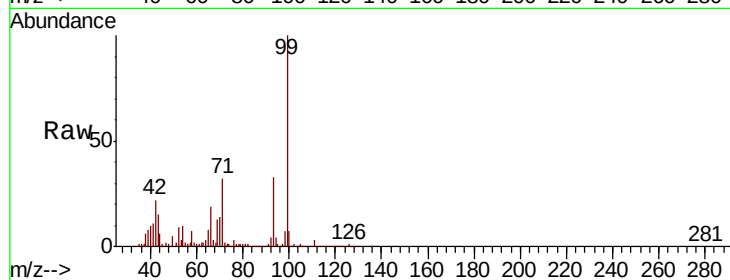
Tot Ion: 99 Resp: 623643

Ion Ratio Lower Upper

99 100

42 22.3 17.4 26.0

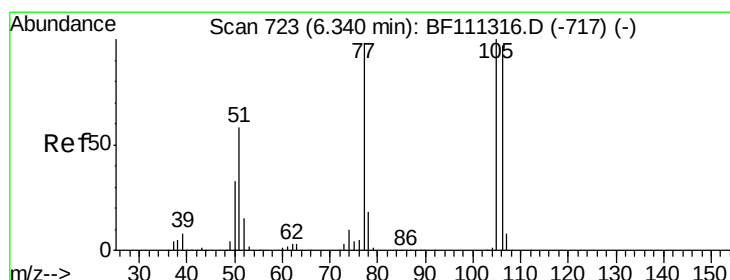
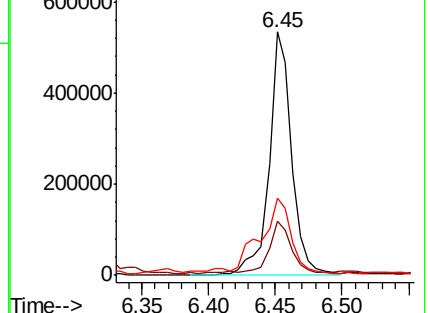
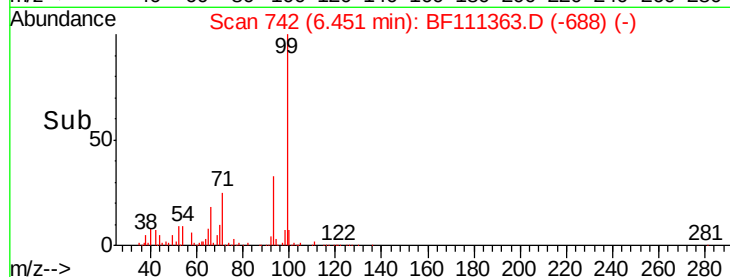
71 31.7 26.1 39.1



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: Below Cal

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF111363.D

Acq: 13 Dec 2018 11:45

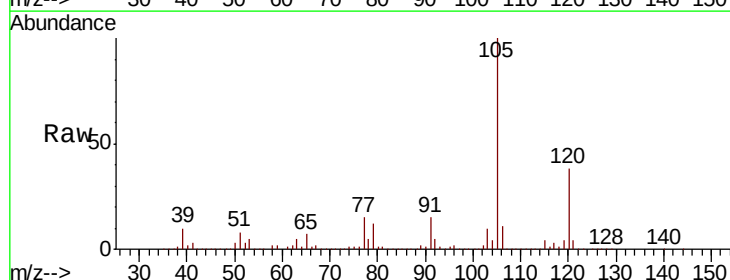
Tgt Ion: 77 Resp: 785515

Ion Ratio Lower Upper

77 100

105 683.7 81.4 121.4#

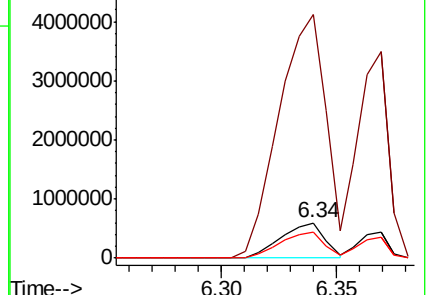
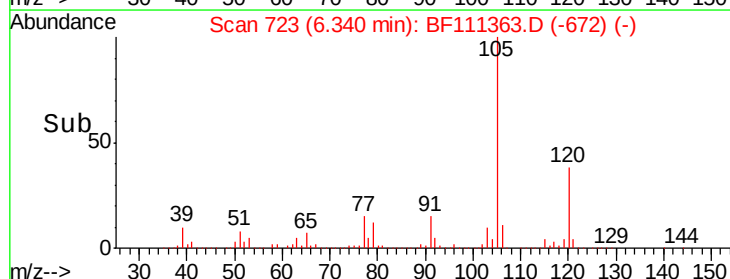
106 72.7 77.9 117.9#

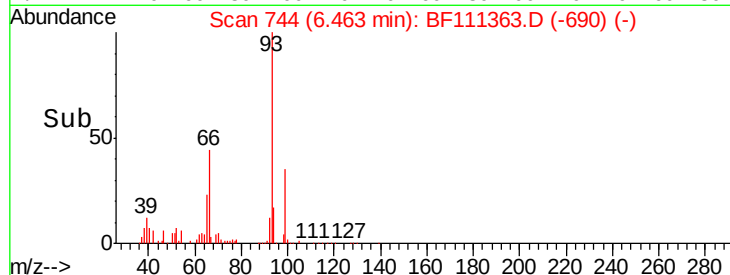
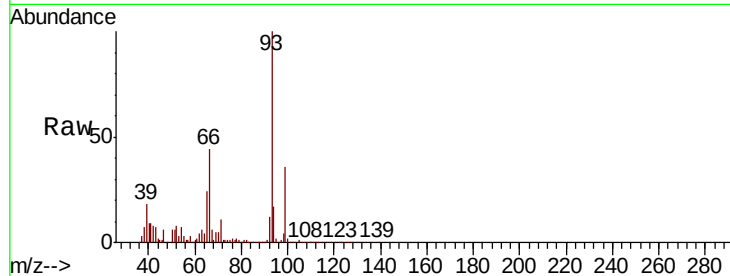
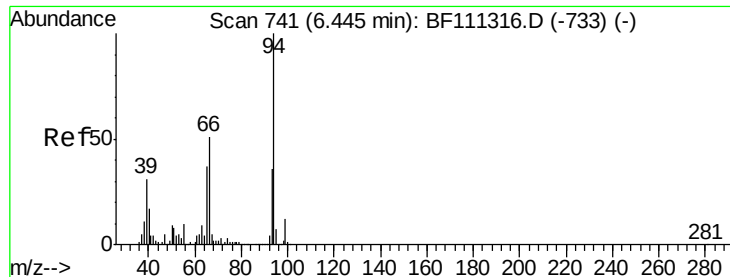


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 7.826 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.02 min

Lab File: BF111363.D

Acq: 13 Dec 2018 11:45

Instrument :

BNA_F

ClientSampleId :

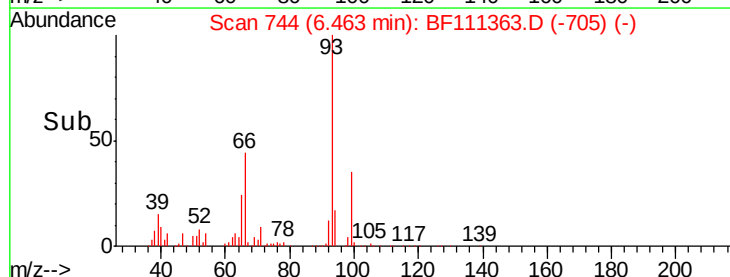
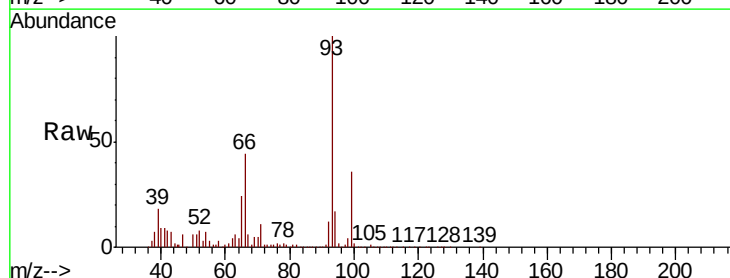
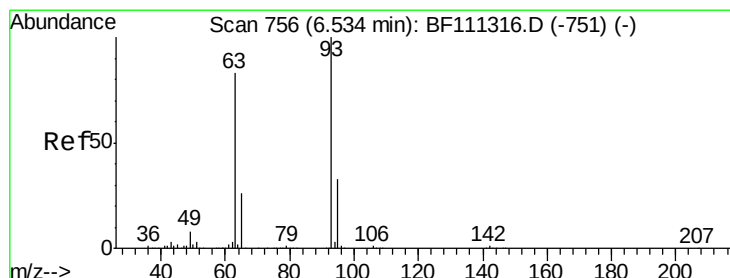
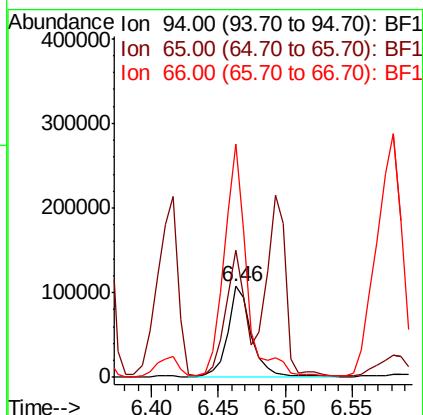
Tot Ion: 94 Resp: 134422

Ion Ratio Lower Upper

94 100

65 140.2 11.7 51.7#

66 257.3 21.0 61.0#



#11

bis(2-Chloroethyl)ether

Concen: 50.130 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.07 min

Lab File: BF111363.D

Acq: 13 Dec 2018 11:45

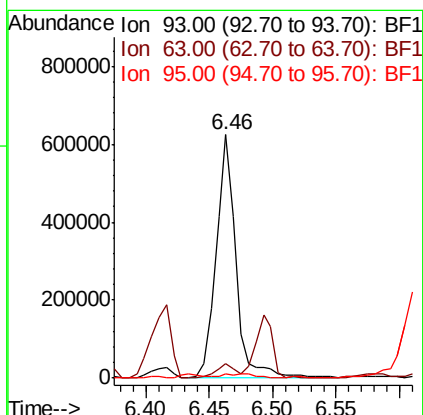
Tgt Ion: 93 Resp: 677361

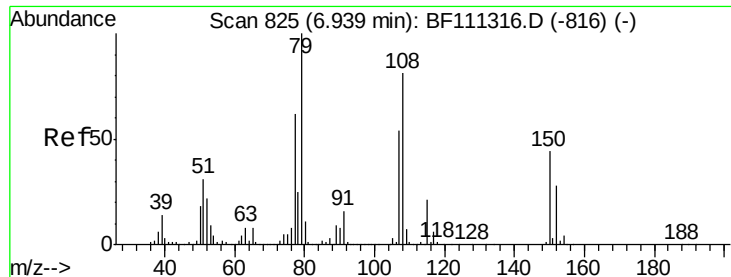
Ion Ratio Lower Upper

93 100

63 5.9 60.0 100.0#

95 1.5 13.4 53.4#

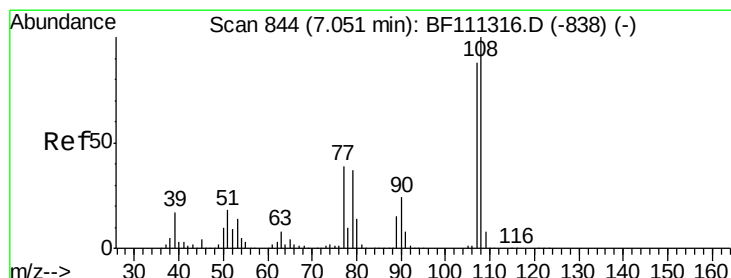
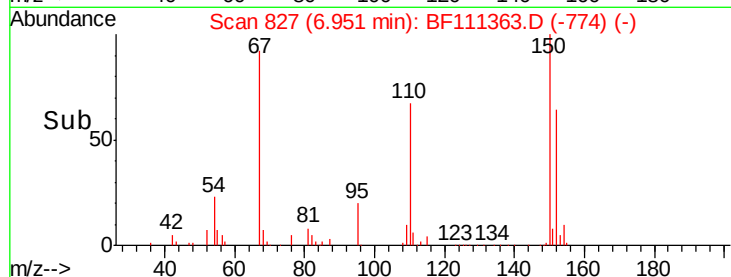
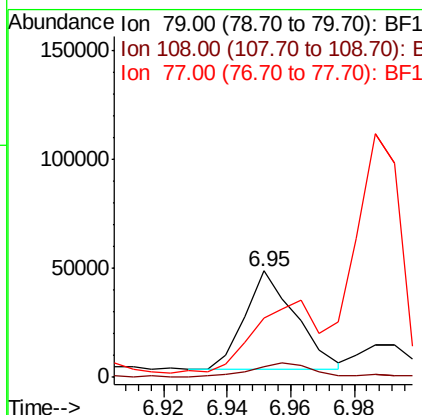
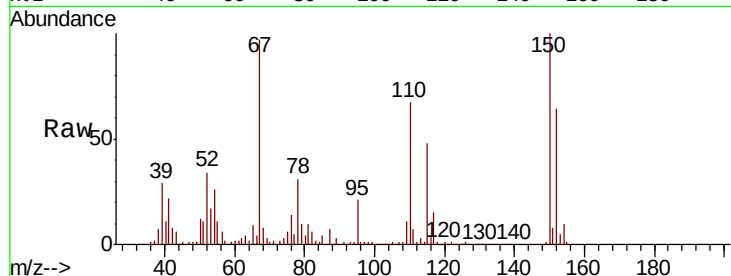




#15
Benzyl Alcohol
Concen: 4.297 ng
RT: 6.95 min Scan# 827
Delta R.T. 0.01 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

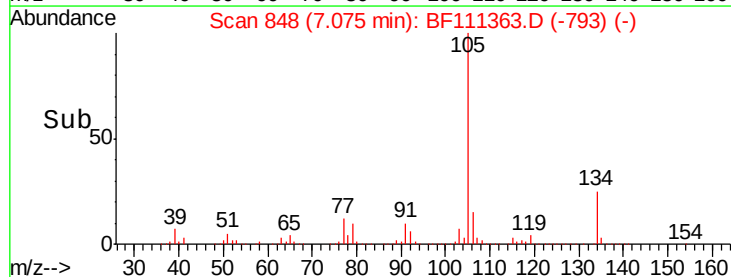
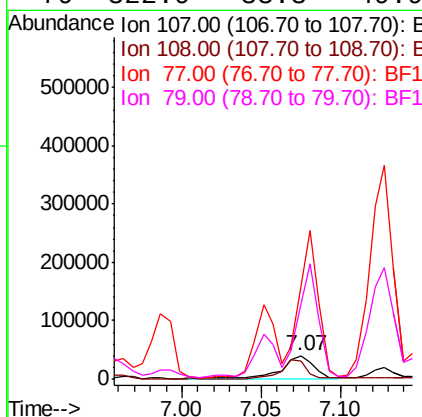
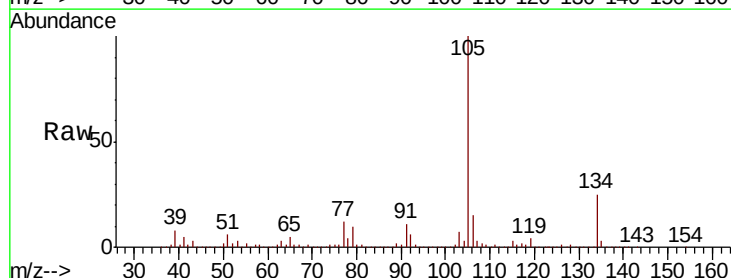
Instrument :
BNA_F
ClientSampleId :

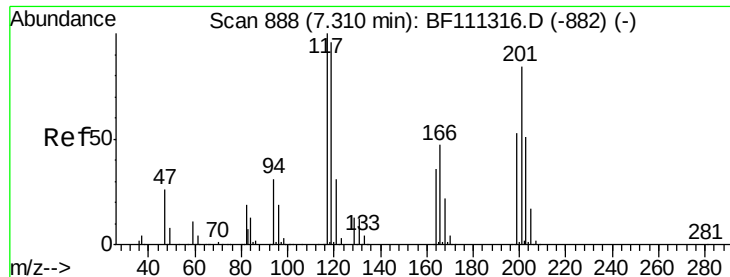
Tot Ion: 79 Resp: 49887
Ion Ratio Lower Upper
79 100
108 9.5 69.4 104.2#
77 55.9 49.7 74.5



#17
2-Methylphenol
Concen: 4.822 ng
RT: 7.07 min Scan# 848
Delta R.T. 0.02 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

Tgt Ion: 107 Resp: 53857
Ion Ratio Lower Upper
107 100
108 75.9 91.0 136.4#
77 403.4 33.5 50.3#
79 322.9 33.3 49.9#

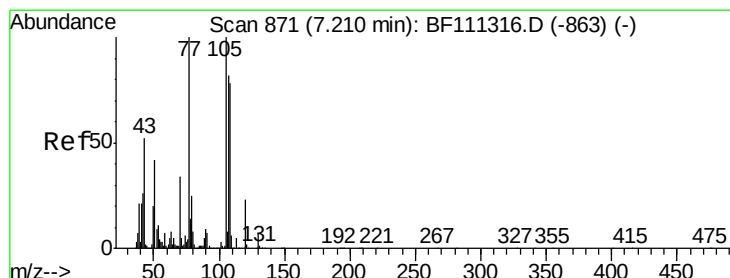
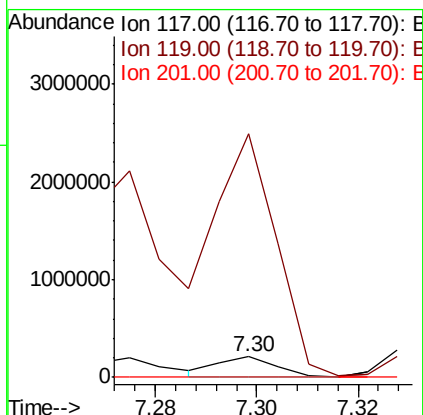
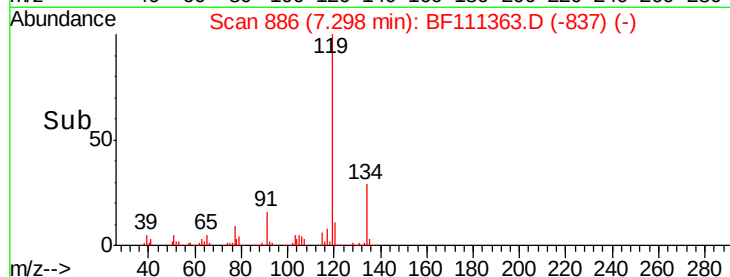
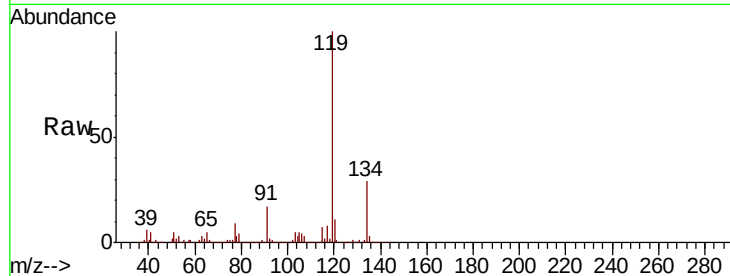




#18
Hexachloroethane
Concen: 29.519 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

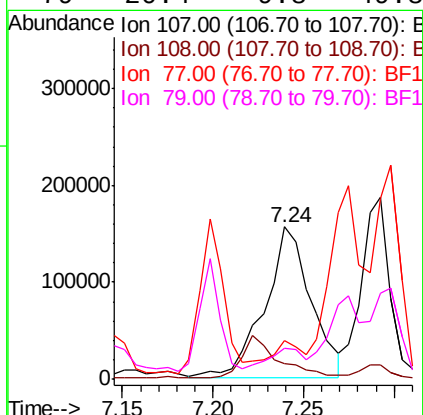
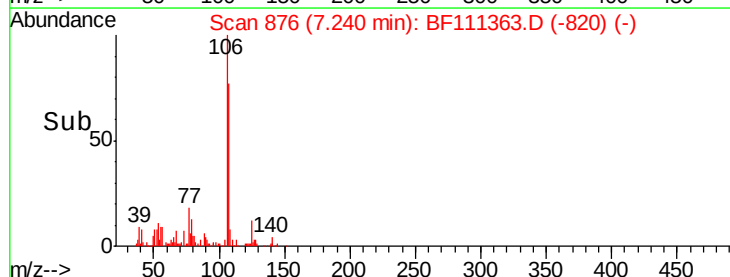
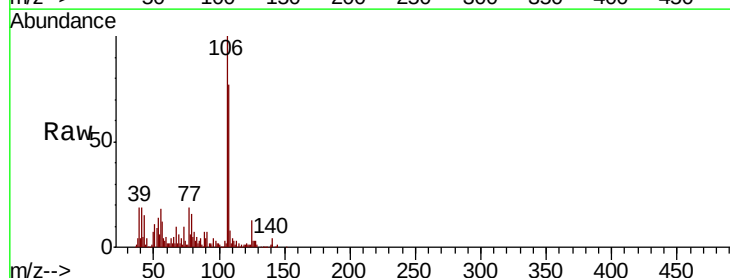
Instrument :
BNA_F
ClientSampleId :

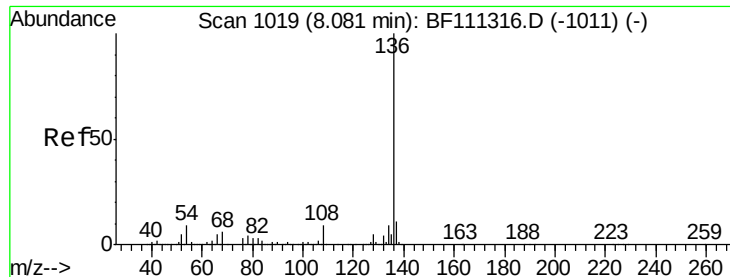
Tot Ion:117 Resp: 166008
Ion Ratio Lower Upper
117 100
119 1192.4 75.4 113.0#
201 0.0 62.4 93.6#



#20
3+4-Methylphenols
Concen: 20.703 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.03 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

Tgt Ion:107 Resp: 275760
Ion Ratio Lower Upper
107 100
108 10.2 72.1 112.1#
77 25.1 94.1 134.1#
79 20.4 9.8 49.8

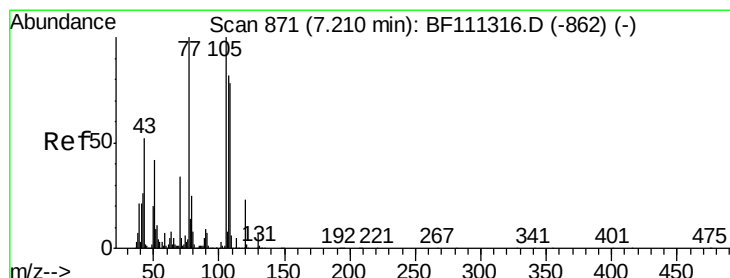
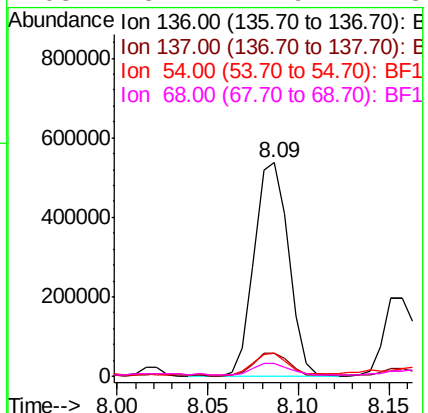
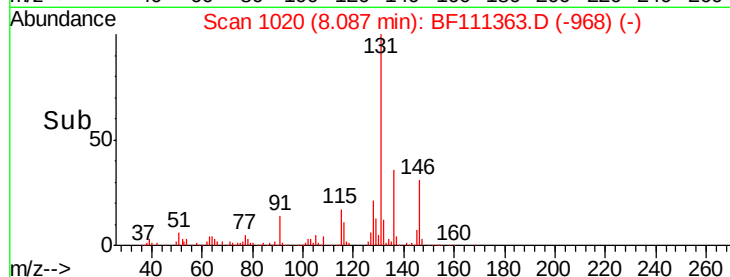
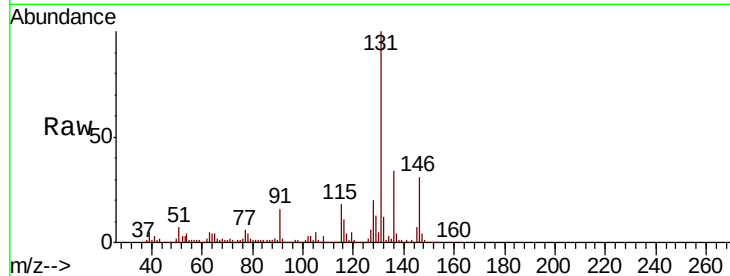




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.01 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

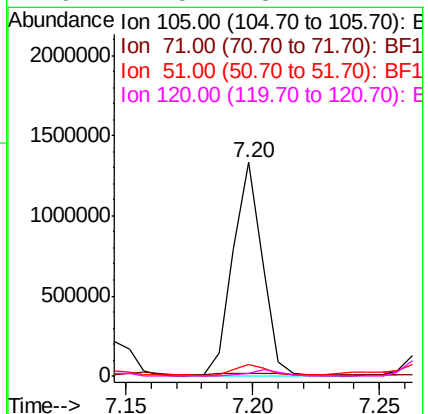
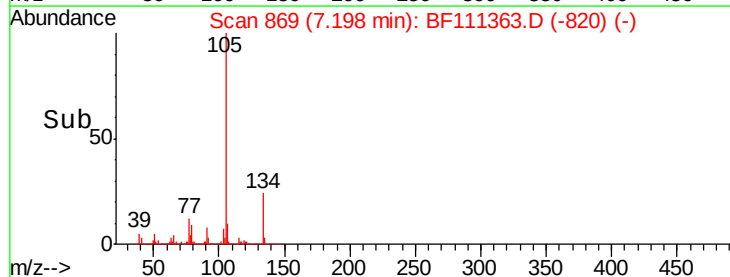
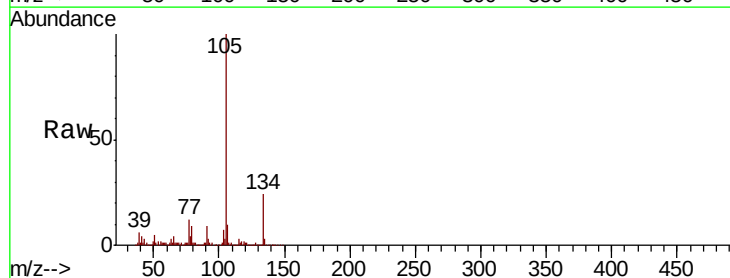
Instrument :
BNA_F
ClientSampleId :

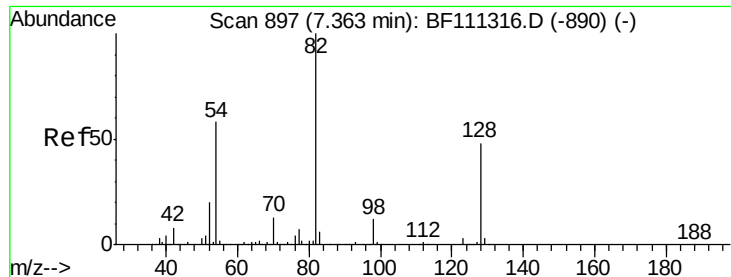
Tot Ion:136	Resp: 703903
Ion Ratio	Lower Upper
136 100	
137 11.1	9.1 13.7
54 10.9	7.7 11.5
68 5.7	4.9 7.3



#22
Acetophenone
Concen: 65.237 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.01 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

Tgt	Ion:105	Resp:	1066662
Ion	Ratio	Lower	Upper
105	100		
71	1.1	3.1	4.7#
51	5.5	36.6	54.8#
120	1.5	18.2	27.4#

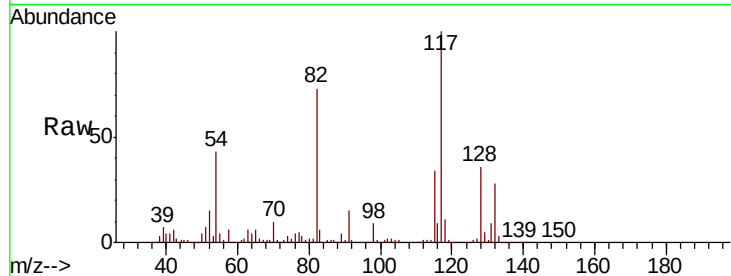




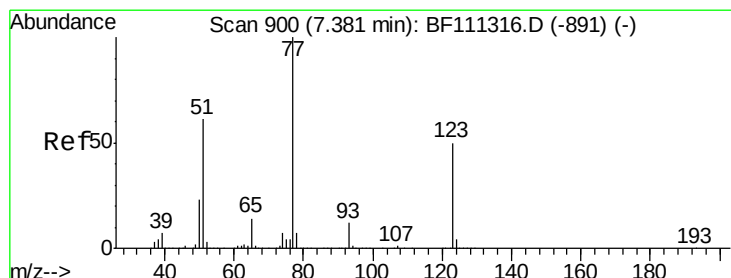
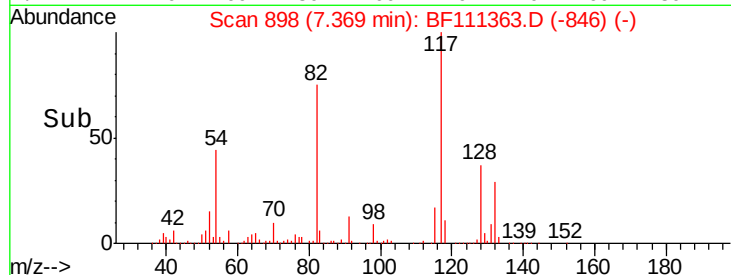
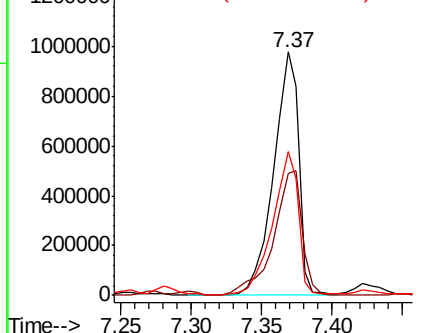
#23
Nitrobenzene-d5
Concen: 96.571 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.01 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1206047
Ion Ratio Lower Upper
82 100
128 50.0 37.4 56.2
54 59.3 47.6 71.4

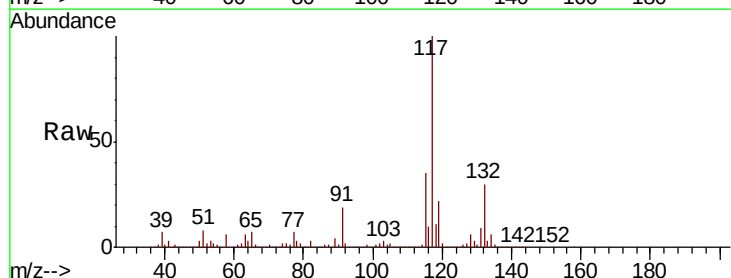


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

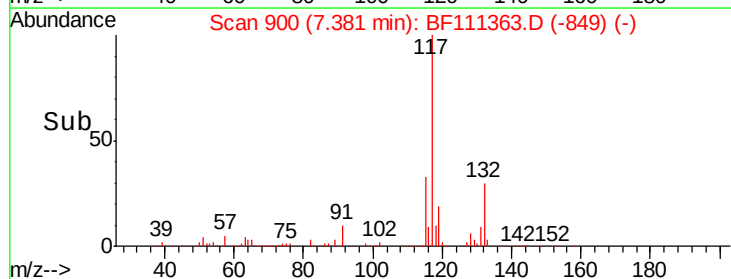
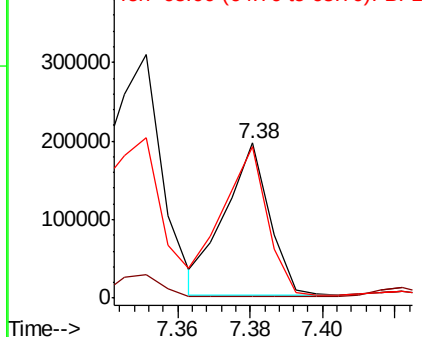


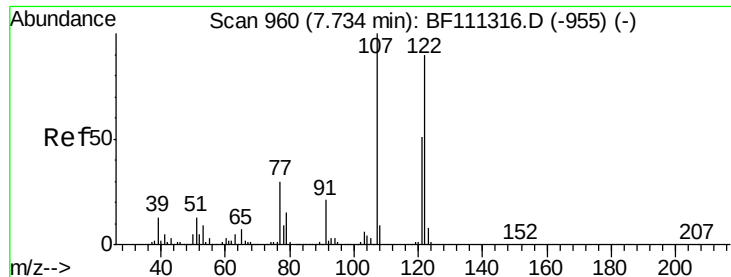
#24
Nitrobenzene
Concen: 12.714 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.00 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

Tgt Ion: 77 Resp: 163551
Ion Ratio Lower Upper
77 100
123 1.3 37.2 55.8#
65 97.4 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

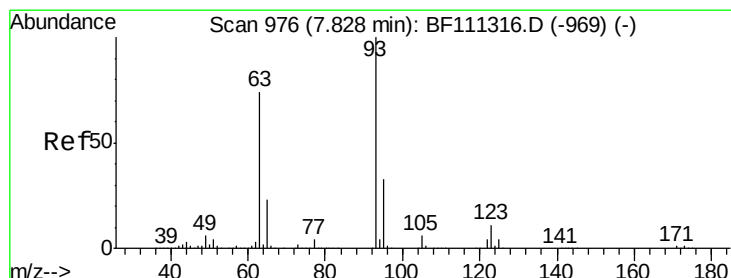
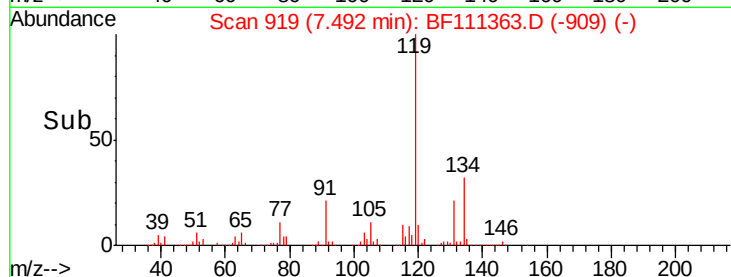
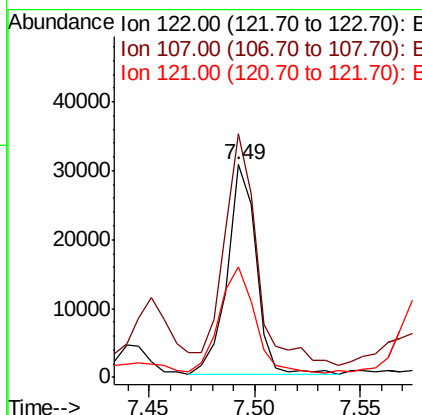
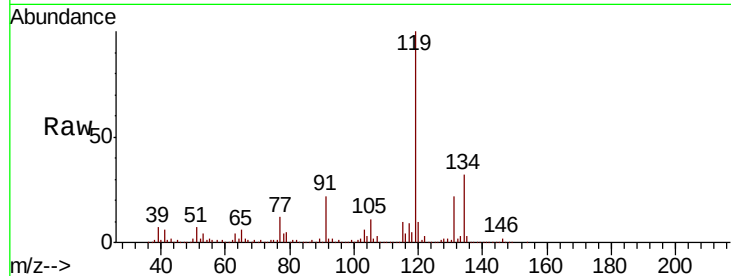




#27
2,4-Dimethylphenol
Concen: 3.009 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.24 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

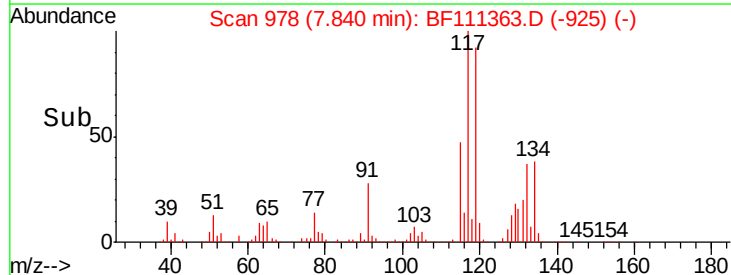
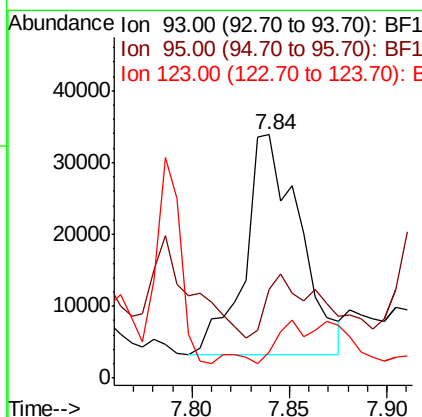
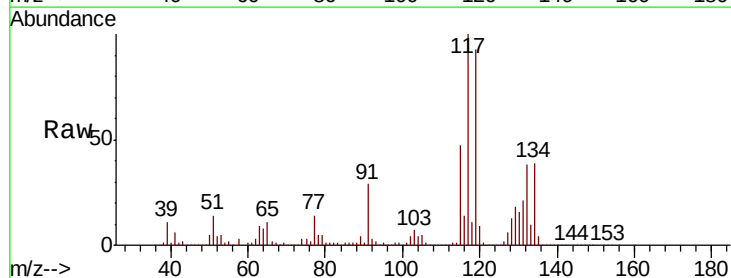
Instrument :
BNA_F
ClientSampleId :

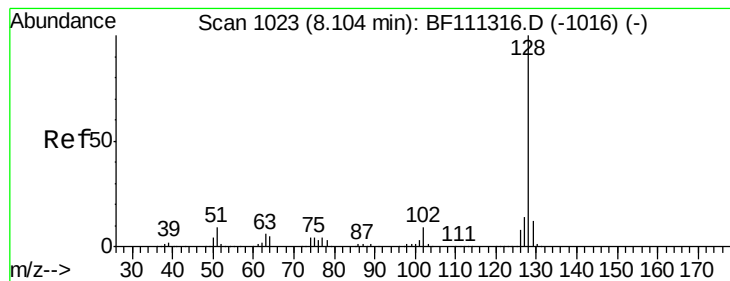
Tot Ion:122 Resp: 28879
Ion Ratio Lower Upper
122 100
107 114.6 85.5 128.3
121 51.8 46.6 70.0



#28
bis(2-Chloroethoxy)methane
Concen: 4.075 ng
RT: 7.84 min Scan# 978
Delta R.T. 0.01 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

Tgt Ion: 93 Resp: 59335
Ion Ratio Lower Upper
93 100
95 36.3 27.1 40.7
123 10.5 9.9 14.9





#31

Naphthalene

Concen: 222.507 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.01 min

Lab File: BF111363.D

Acq: 13 Dec 2018 11:45

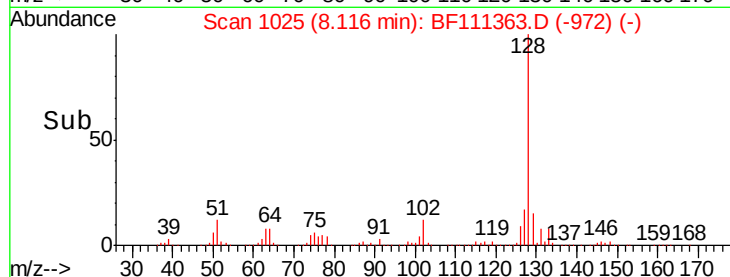
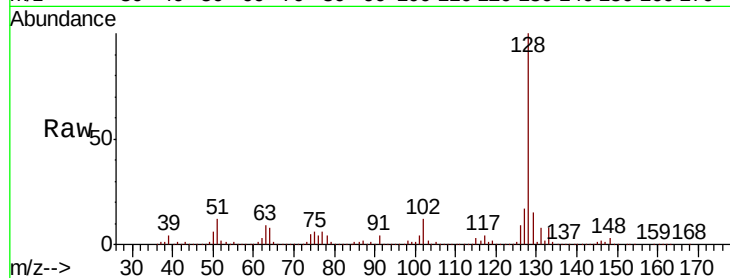
Instrument :

BNA_F

ClientSampleId :

Tot Ion:128 Resp: 7297222

Ion	Ratio	Lower	Upper
128	100		
129	14.9	9.8	14.8#
127	17.2	12.0	18.0

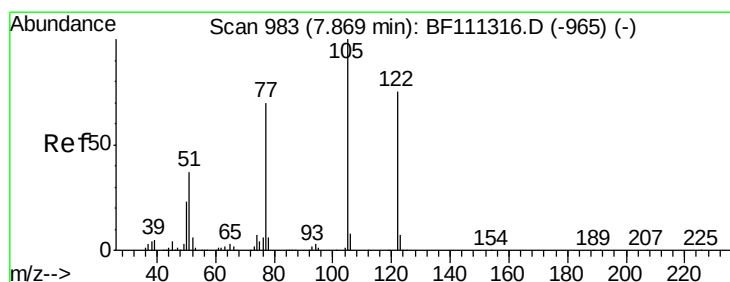
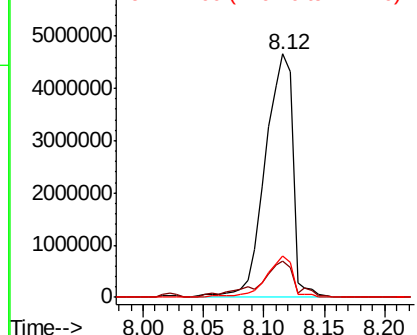


Abundance

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



#32

Benzoic acid

Concen: 9.191 ng

RT: 7.87 min Scan# 983

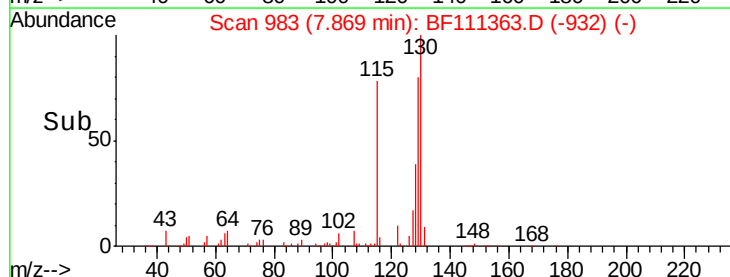
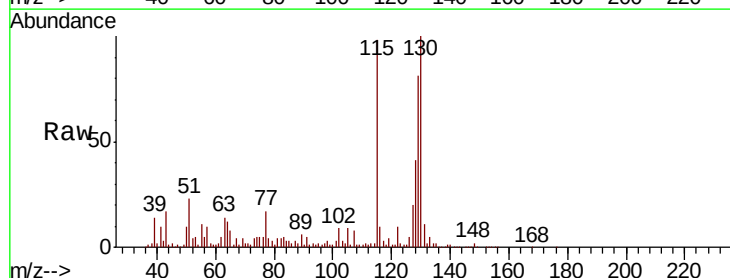
Delta R.T. 0.00 min

Lab File: BF111363.D

Acq: 13 Dec 2018 11:45

Tgt Ion:122 Resp: 73335

Ion	Ratio	Lower	Upper
122	100		
105	97.9	97.0	137.0
77	178.1	65.7	105.7#

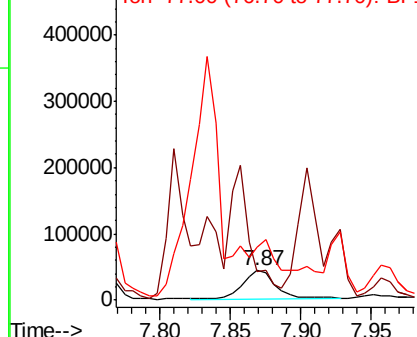


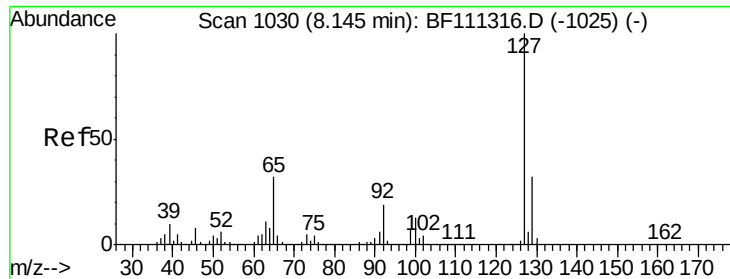
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

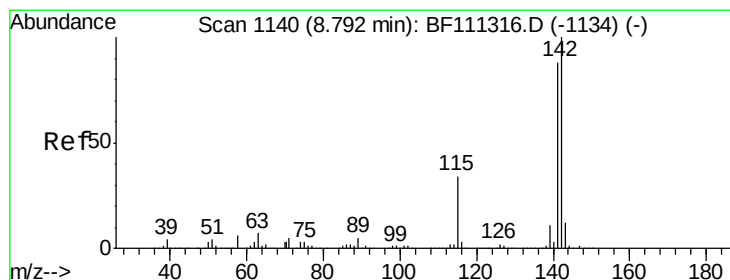
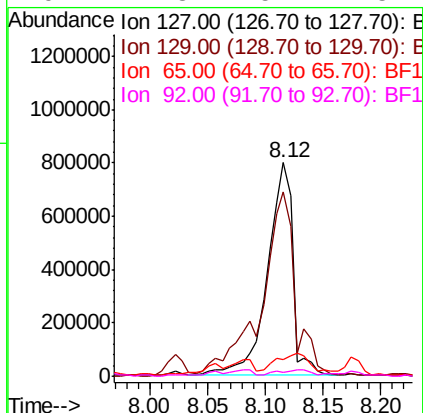
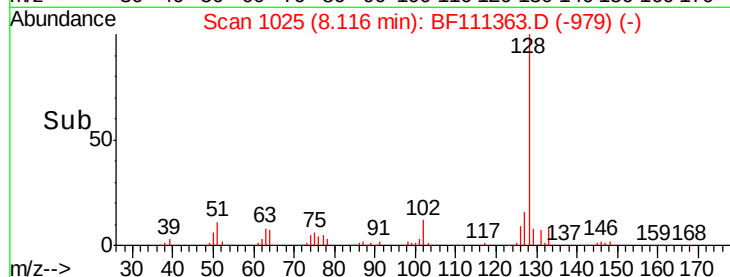
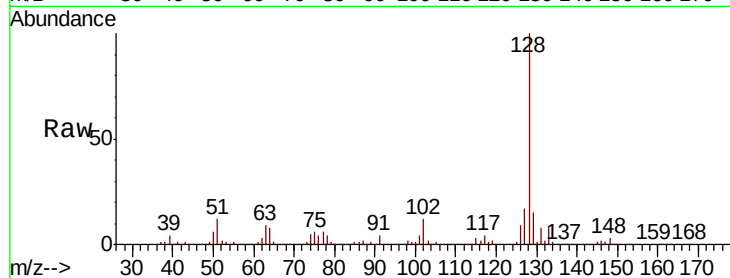




#33
4-Chloroaniline
Concen: 86.876 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.03 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

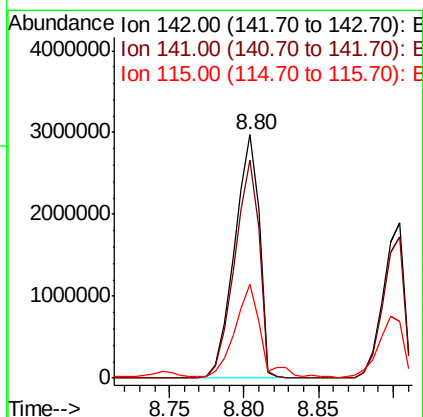
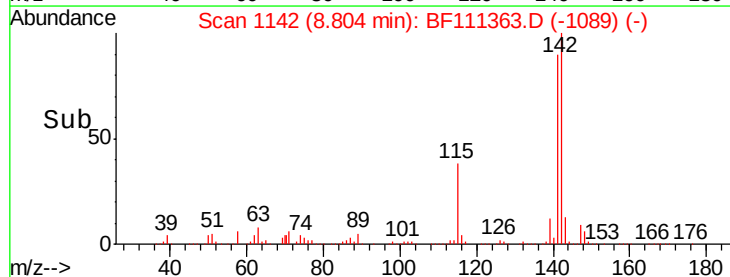
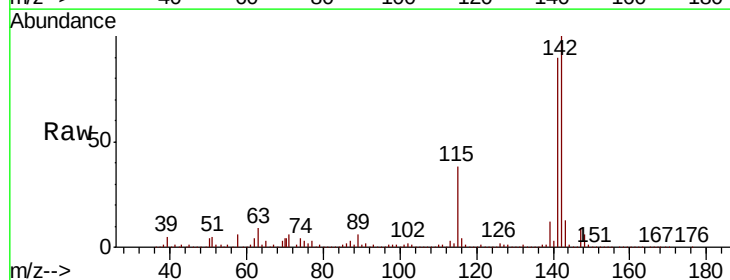
Instrument :
BNA_F
ClientSampleId :

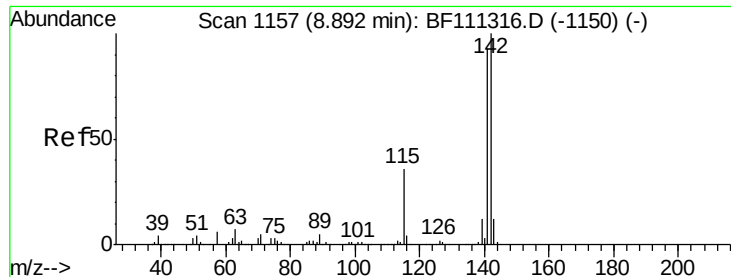
Tot Ion:127 Resp: 1216790
Ion Ratio Lower Upper
127 100
129 86.3 26.6 39.8#
65 7.8 25.7 38.5#
92 1.8 15.4 23.2#



#37
2-Methylnaphthalene
Concen: 162.514 ng
RT: 8.80 min Scan# 1142
Delta R.T. 0.01 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

Tgt Ion:142 Resp: 3445307
Ion Ratio Lower Upper
142 100
141 89.7 70.6 105.8
115 38.4 27.0 40.6

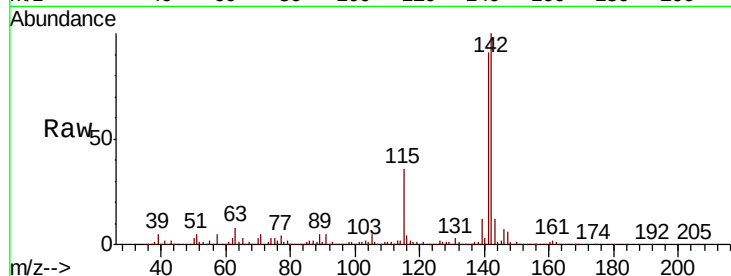




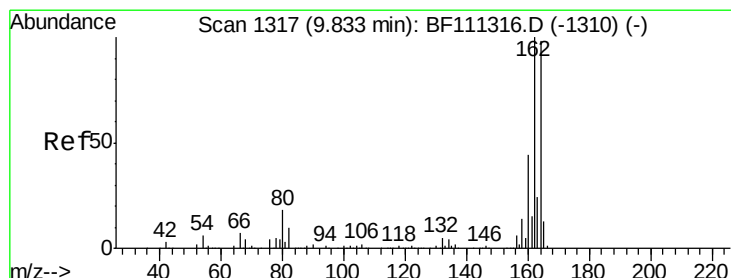
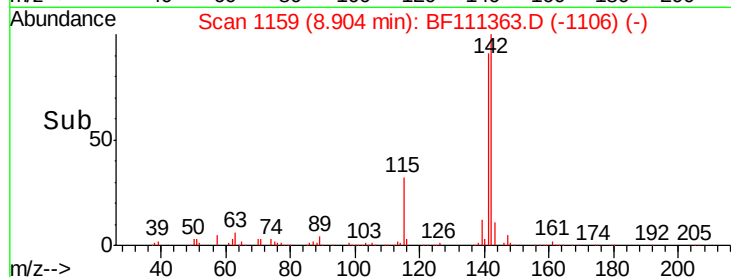
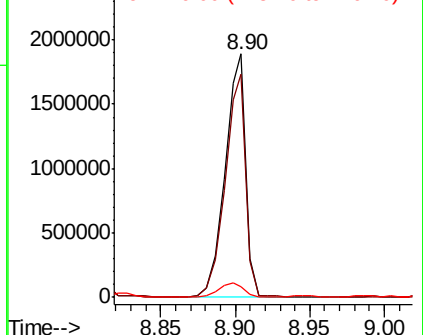
#38
1-Methylnaphthalene
Concen: 89.802 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 1837458
Ion Ratio Lower Upper
142 100
141 91.4 74.2 111.4
116 4.2 2.9 4.3

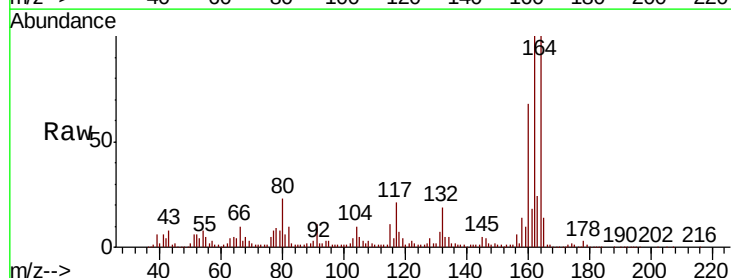


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

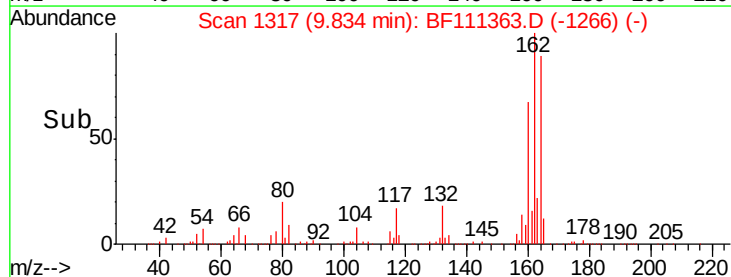
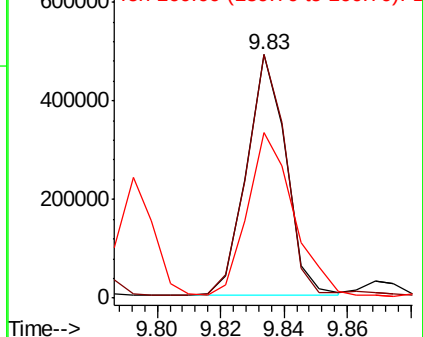


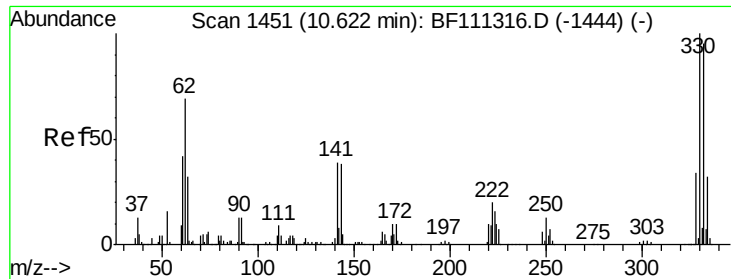
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

Tgt Ion:164 Resp: 420921
Ion Ratio Lower Upper
164 100
162 100.2 81.4 122.0
160 67.9 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: 147.059 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF111363.D

Acq: 13 Dec 2018 11:45

Instrument :

BNA_F

ClientSampleId :

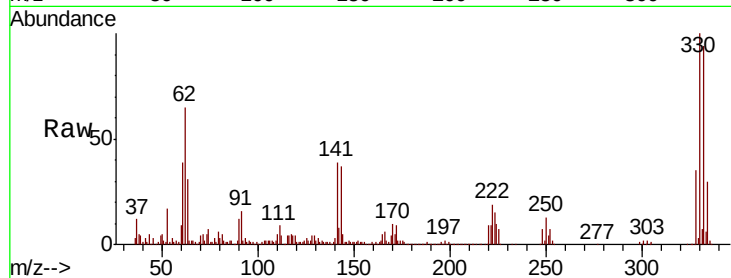
Tot Ion:330 Resp: 545657

Ion Ratio Lower Upper

330 100

332 94.5 76.0 114.0

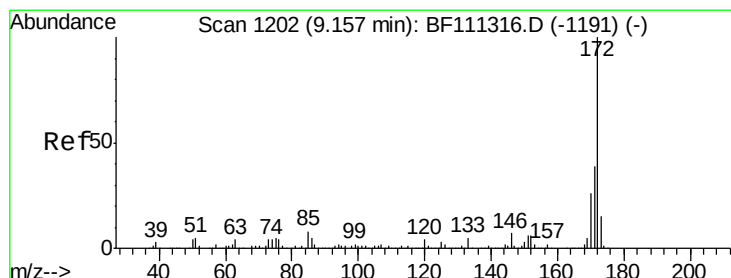
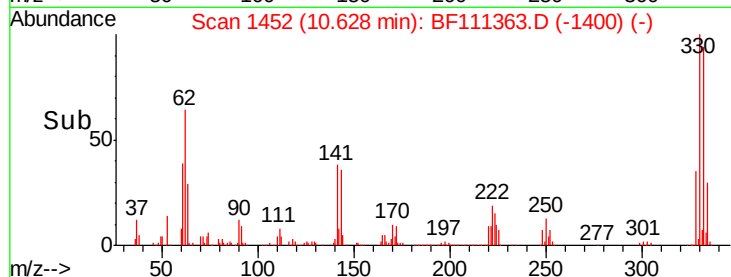
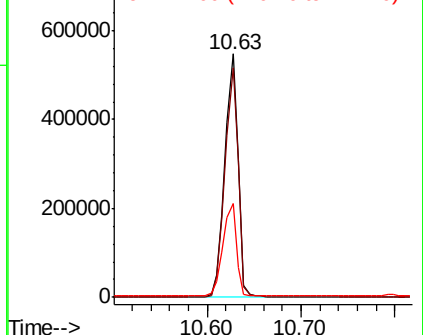
141 39.0 31.0 46.6



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: 87.407 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.01 min

Lab File: BF111363.D

Acq: 13 Dec 2018 11:45

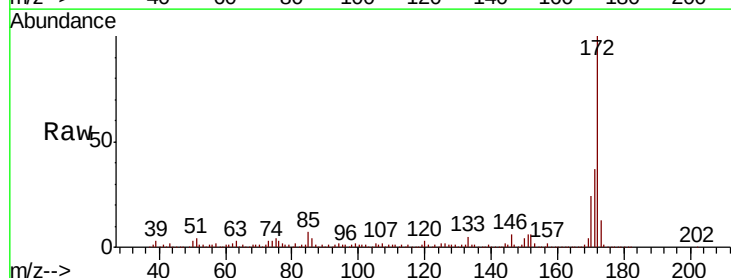
Tgt Ion:172 Resp: 2291606

Ion Ratio Lower Upper

172 100

171 37.1 33.0 49.4

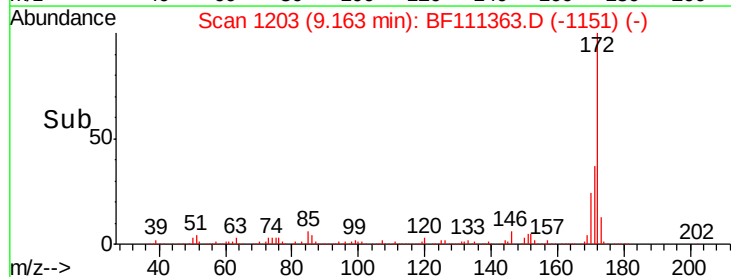
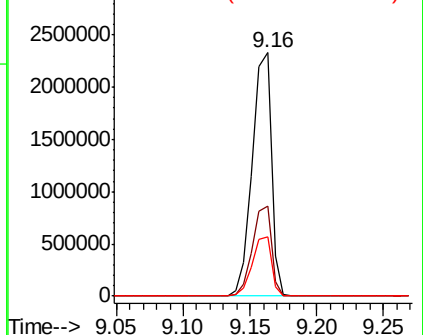
170 24.4 22.3 33.5

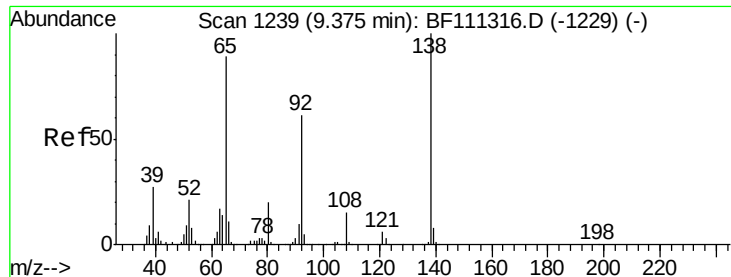


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

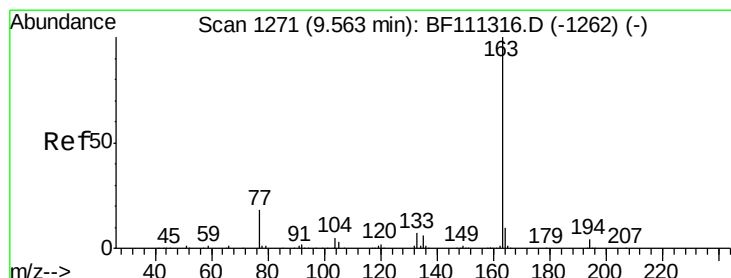
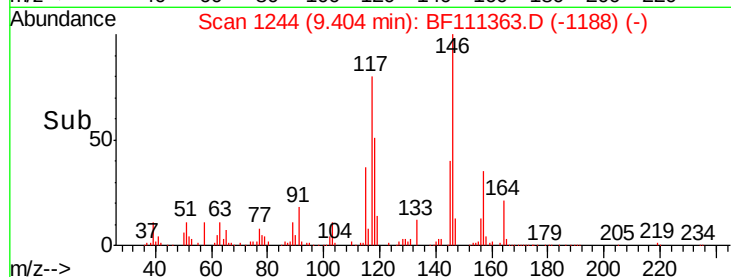
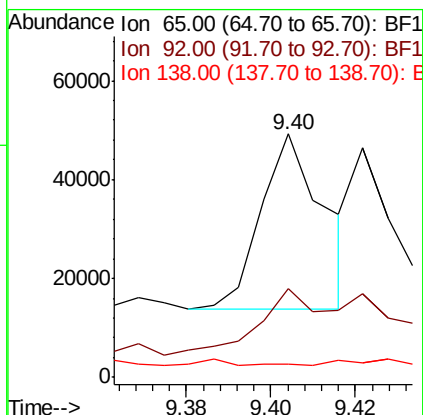
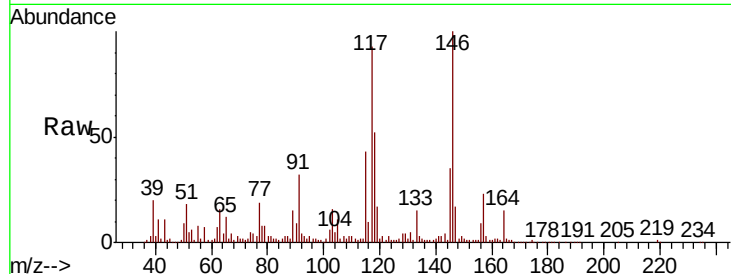




#48
2-Nitroaniline
Concen: 4.114 ng
RT: 9.40 min Scan# 1244
Delta R.T. 0.03 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

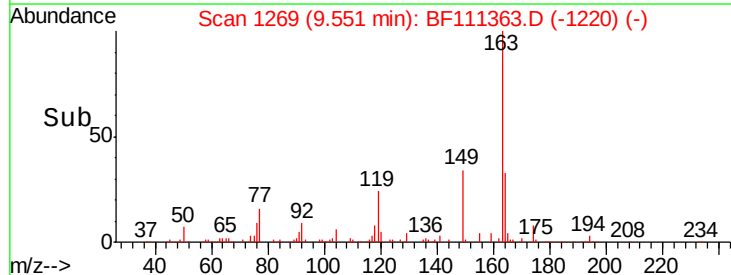
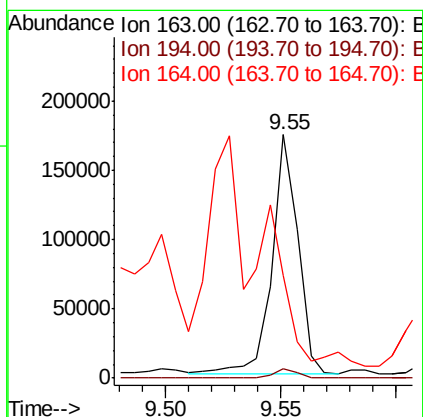
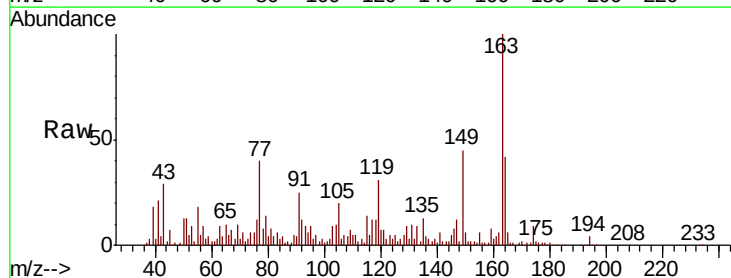
Instrument :
BNA_F
ClientSampleId :

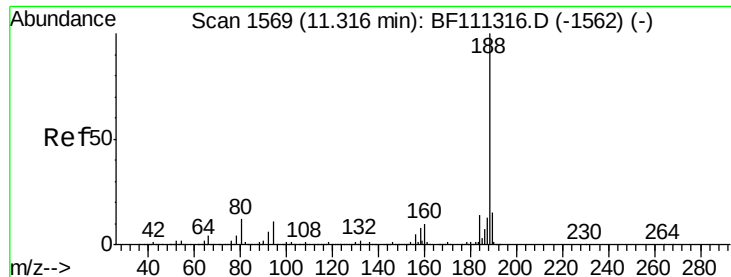
Tot Ion: 65 Resp: 36771
Ion Ratio Lower Upper
65 100
92 36.4 53.5 80.3#
138 5.6 80.9 121.3#



#50
Dimethylphthalate
Concen: 4.429 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

Tgt Ion:163 Resp: 134053
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.6
164 42.2 8.9 13.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF111363.D

Acq: 13 Dec 2018 11:45

Instrument :

BNA_F

ClientSampleId :

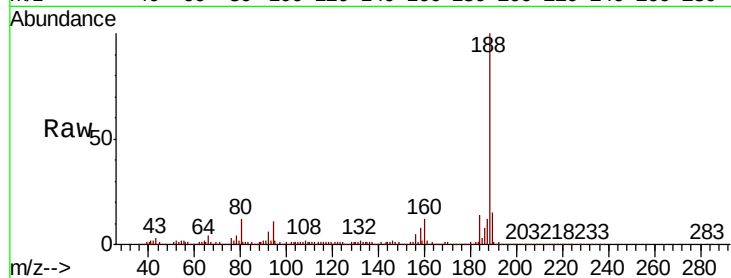
Tot Ion:188 Resp: 786638

Ion Ratio Lower Upper

188 100

94 11.4 9.6 14.4

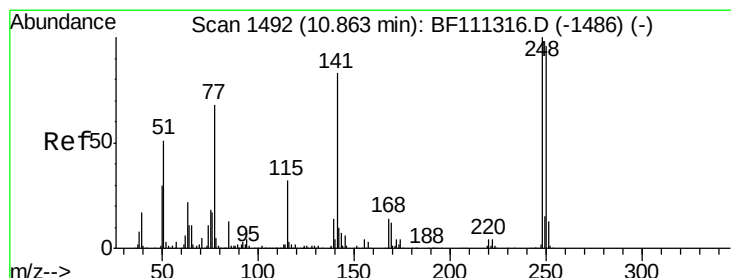
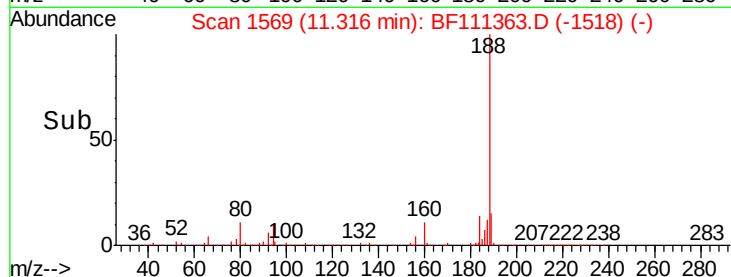
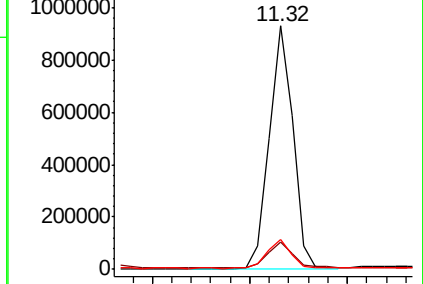
80 12.1 9.8 14.6



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: 3.999 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BF111363.D

Acq: 13 Dec 2018 11:45

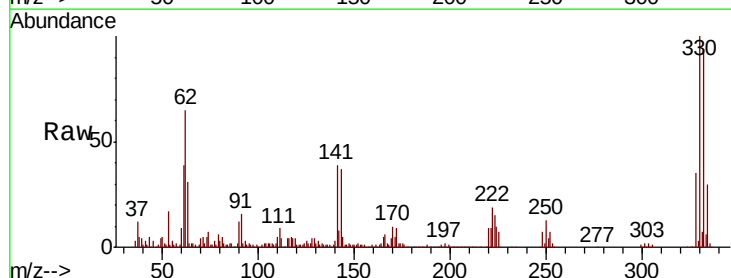
Tgt Ion:248 Resp: 35023

Ion Ratio Lower Upper

248 100

250 191.9 77.0 115.4#

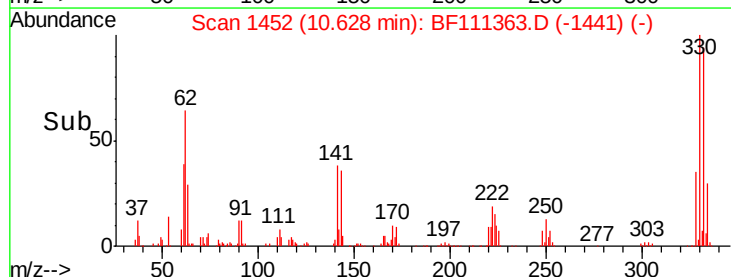
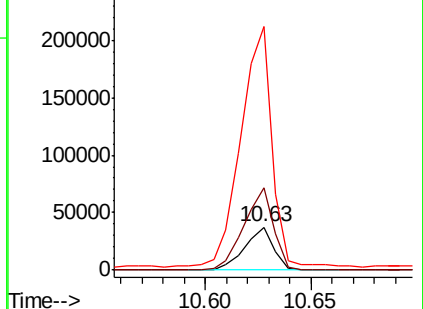
141 570.2 63.0 94.6#

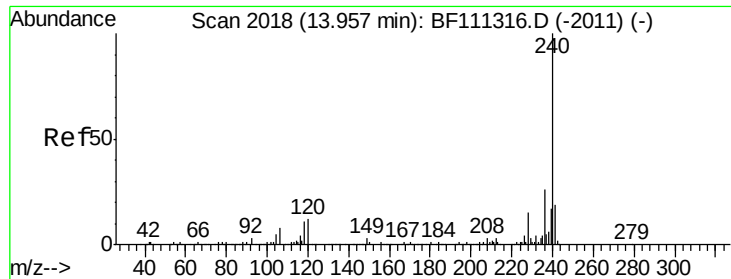


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

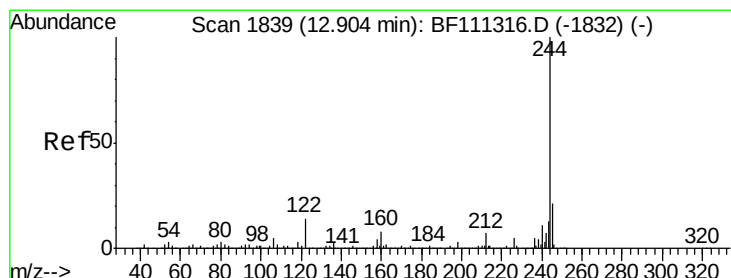
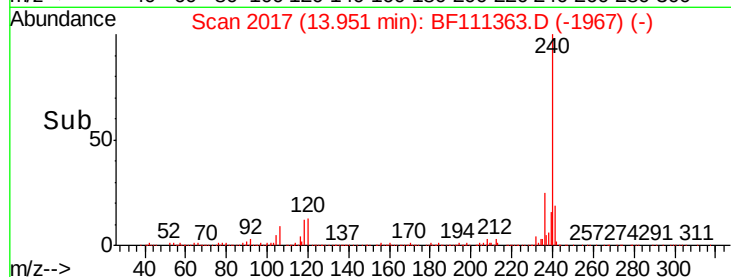
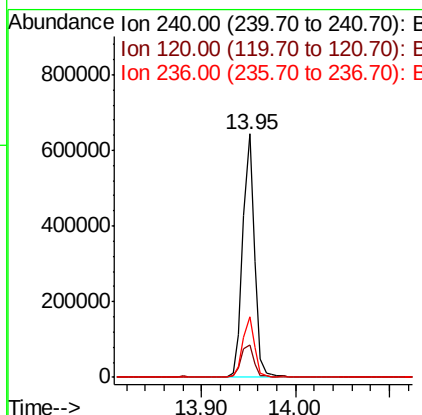
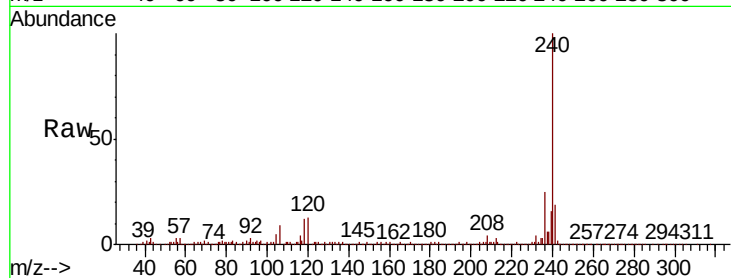




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF111363.D
 Acq: 13 Dec 2018 11:45

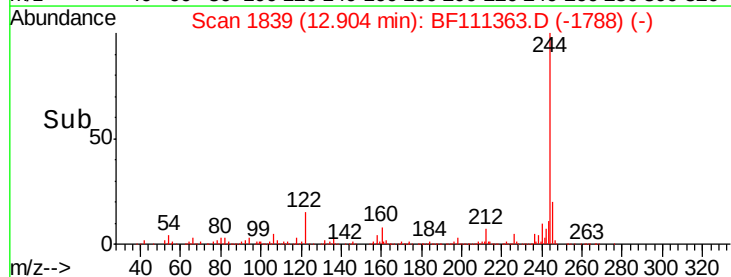
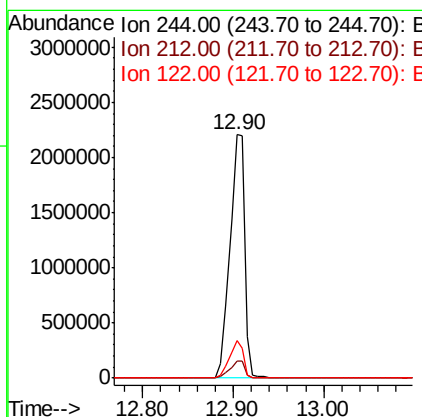
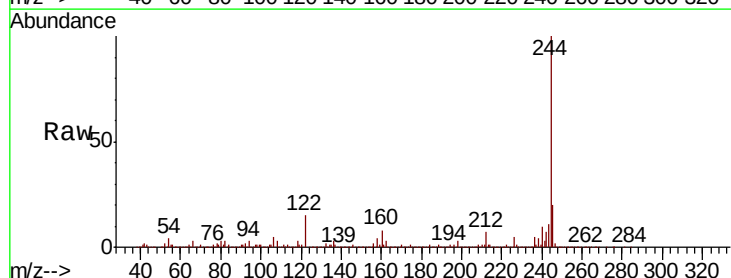
Instrument :
 BNA_F
 ClientSampleId :

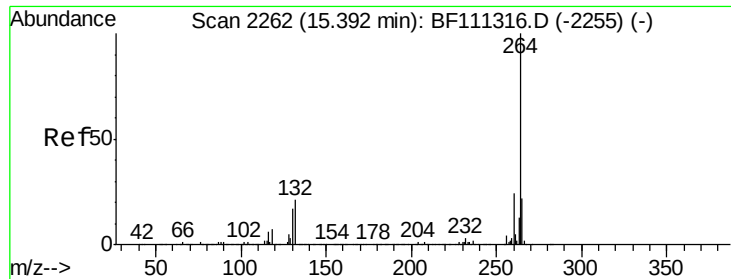
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.3	12.2	18.2
236	24.8	20.2	30.2



#79
 Terphenyl-d14
 Concen: 99.105 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: BF111363.D
 Acq: 13 Dec 2018 11:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	15.4	13.1	19.7





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF111363.D
Acq: 13 Dec 2018 11:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.3	27.5
265	22.6	17.7	26.5

