

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
 Data File : BF111883.D
 Acq On : 7 Jan 2019 18:20
 Operator : JU/SJ
 Sample : K1053-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 08 04:05:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	158609	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	558748	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	257361	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	422128	20.00	ng	0.00
76) Chrysene-d12	14.05	240	300963	20.00	ng	0.00
87) Perylene-d12	15.53	264	348318	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	489181	52.76	ng	0.00
7) Phenol-d6	6.53	99	387349	32.42	ng	0.00
23) Nitrobenzene-d5	7.45	82	795471	76.09	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	326792	97.62	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1409869	79.88	ng	0.00
79) Terphenyl-d14	13.00	244	942335	59.43	ng	0.00

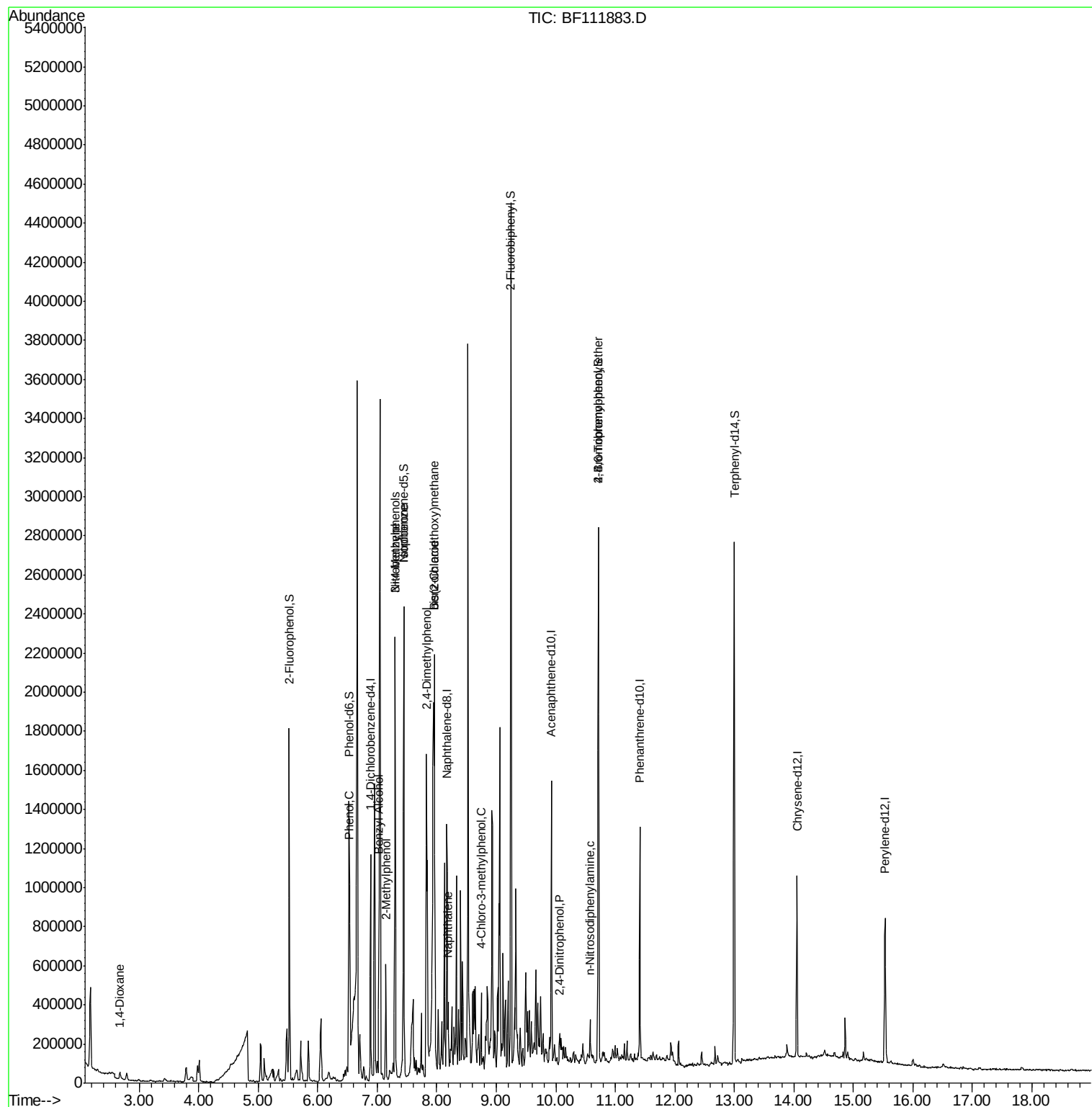
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.68	88	13272	3.274	ng	# 76
9) Benzaldehyde	6.43	77	5530	Below	Cal	95
10) Phenol	6.54	94	151168	11.640	ng	# 75
15) Benzyl Alcohol	7.03	79	142723	15.096	ng	99
17) 2-Methylphenol	7.15	107	77901	9.415	ng	95
20) 3+4-Methylphenols	7.30	107	549706	53.384	ng	# 66
24) Nitrobenzene	7.30	77	200020	18.913	ng	# 44
25) Isophorone	7.45	82	792725	46.826	ng	# 65
27) 2,4-Dimethylphenol	7.83	122	375493	49.872	ng	97
28) bis(2-Chloroethoxy)methane	7.96	93	30005	2.655	ng	# 1
31) Naphthalene	8.19	128	125253	4.722	ng	98
32) Benzoic acid	7.96	122	726506	148.693	ng	# 19
36) 4-Chloro-3-methylphenol	8.74	107	37010	4.299	ng	# 19
54) 2,4-Dinitrophenol	10.07	184	5406	2.953	ng	# 54
66) n-Nitrosodiphenylamine	10.58	169	43535	3.073	ng	98
67) 4-Bromophenyl-phenylether	10.72	248	19815	3.624	ng	# 1

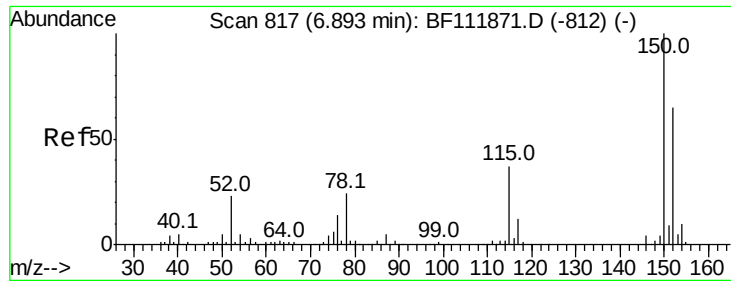
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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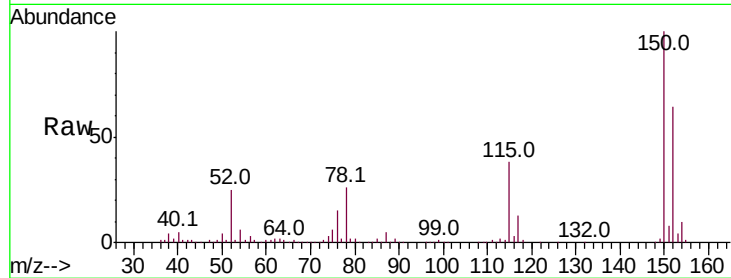


#1

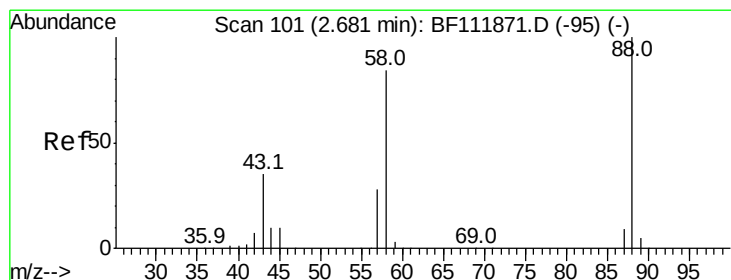
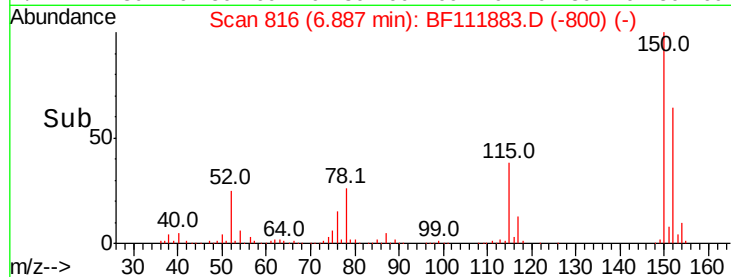
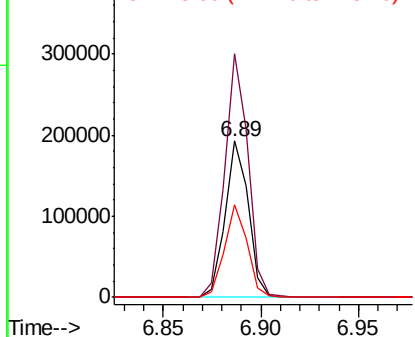
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111883.D
Acq: 7 Jan 2019 18:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 158609
Ion Ratio Lower Upper
152 100
150 156.1 122.7 184.1
115 59.6 45.2 67.8



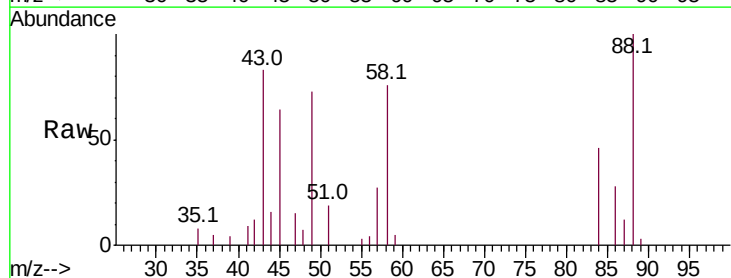
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



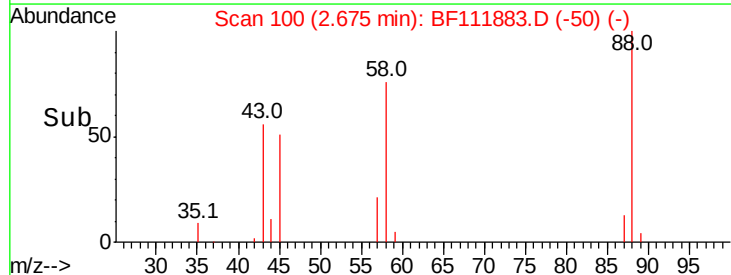
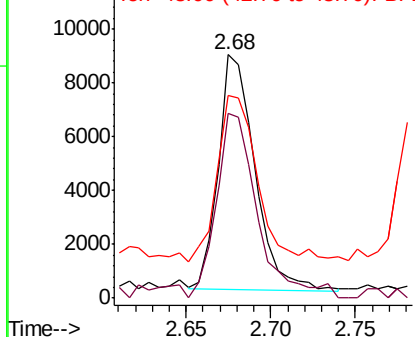
#2

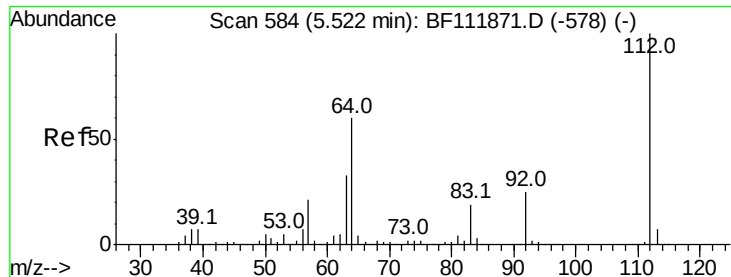
1,4-Dioxane
Concen: 3.274 ng
RT: 2.68 min Scan# 100
Delta R.T. -0.01 min
Lab File: BF111883.D
Acq: 7 Jan 2019 18:20

Tgt Ion: 88 Resp: 13272
Ion Ratio Lower Upper
88 100
58 87.7 67.6 101.4
43 78.9 29.0 43.6#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 52.765 ng

RT: 5.52 min Scan# 584

Delta R.T. -0.00 min

Lab File: BF111883.D

Acq: 7 Jan 2019 18:20

Instrument :

BNA_F

ClientSampled :

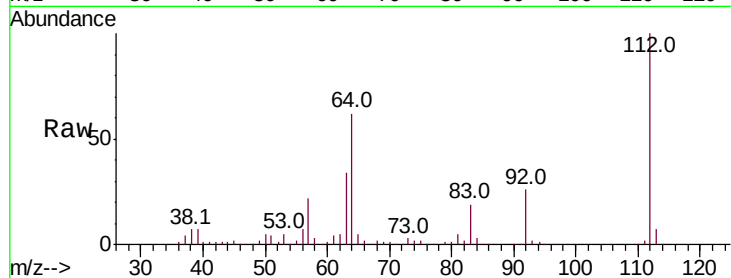
Tot Ion:112 Resp: 489181

Ion Ratio Lower Upper

112 100

64 62.2 48.3 72.5

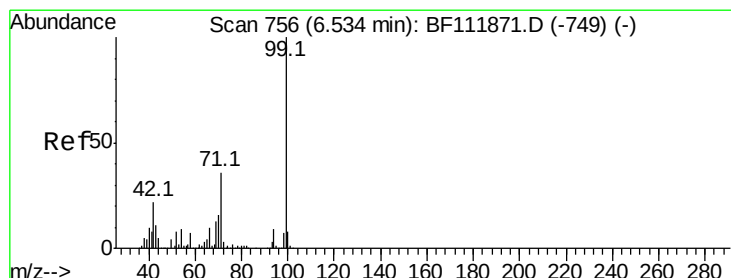
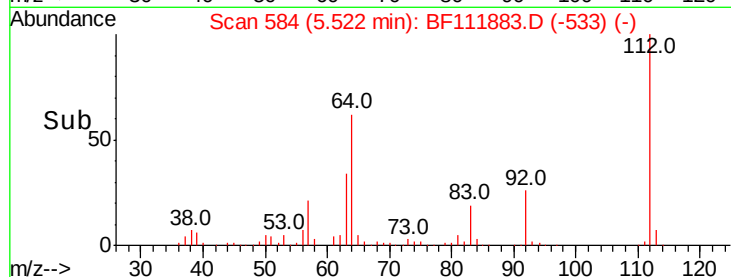
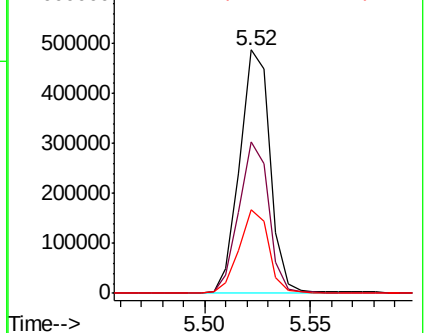
63 34.4 26.1 39.1



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: 32.416 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF111883.D

Acq: 7 Jan 2019 18:20

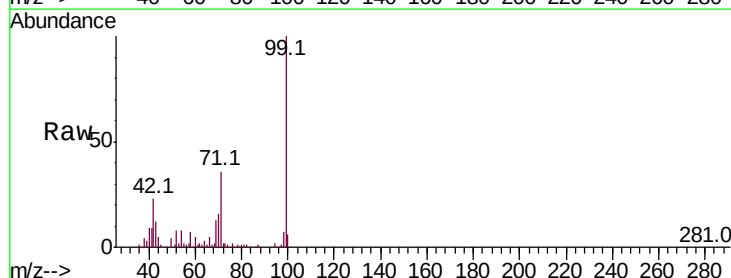
Tgt Ion: 99 Resp: 387349

Ion Ratio Lower Upper

99 100

42 22.8 17.9 26.9

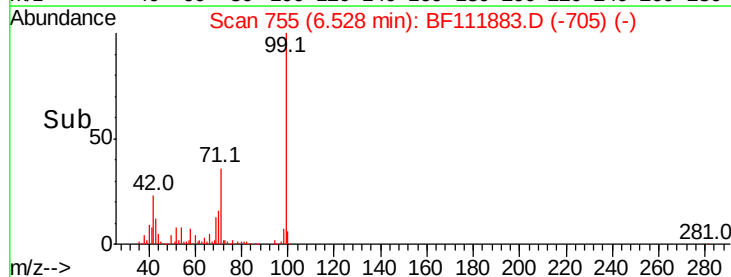
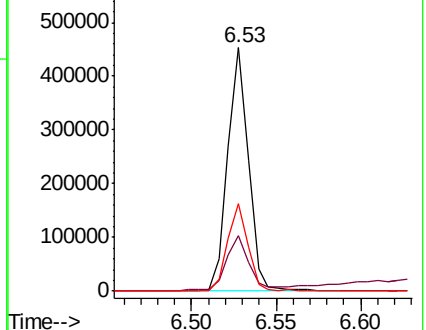
71 36.0 28.7 43.1

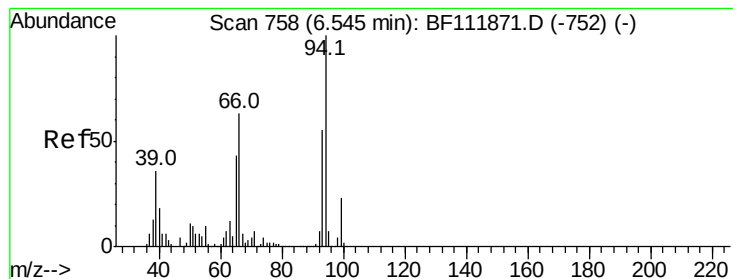


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 11.640 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF111883.D

Acq: 7 Jan 2019 18:20

Instrument :

BNA_F

ClientSampleId :

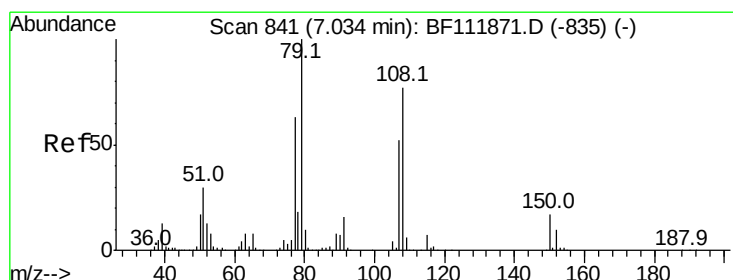
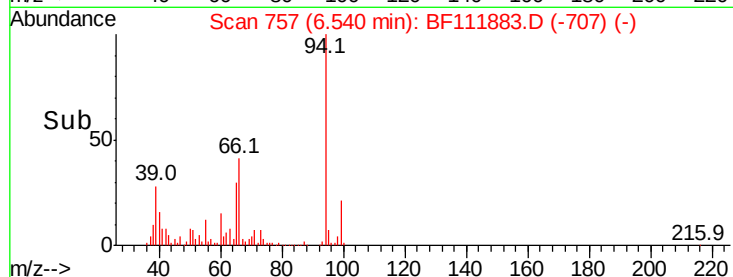
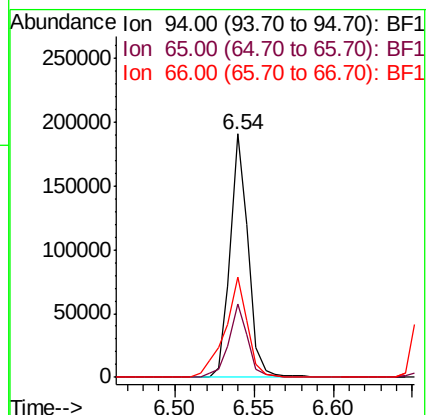
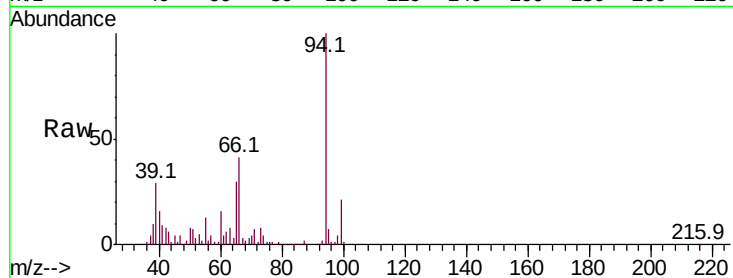
Tot Ion: 94 Resp: 151168

Ion Ratio Lower Upper

94 100

65 30.3 22.8 62.8

66 41.1 43.3 83.3#



#15

Benzyl Alcohol

Concen: 15.096 ng

RT: 7.03 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF111883.D

Acq: 7 Jan 2019 18:20

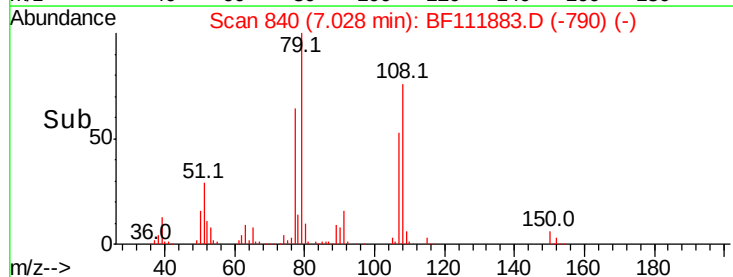
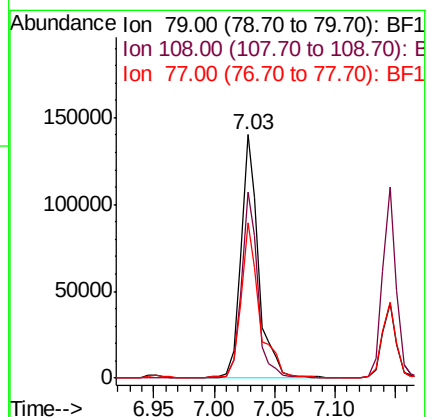
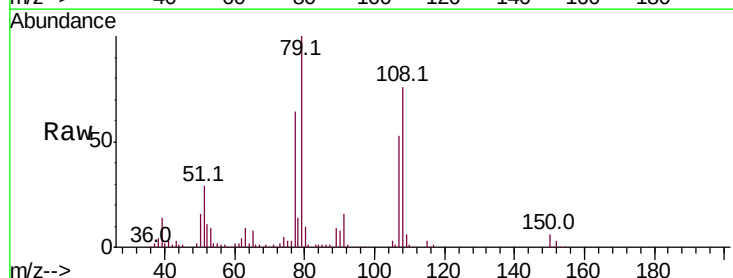
Tgt Ion: 79 Resp: 142723

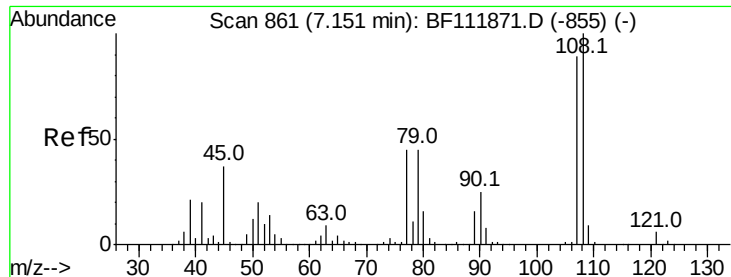
Ion Ratio Lower Upper

79 100

108 76.5 61.4 92.0

77 63.7 50.4 75.6

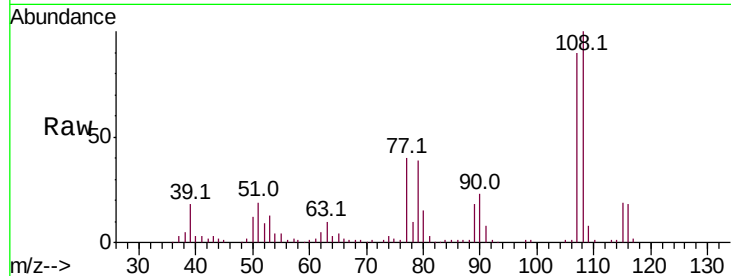




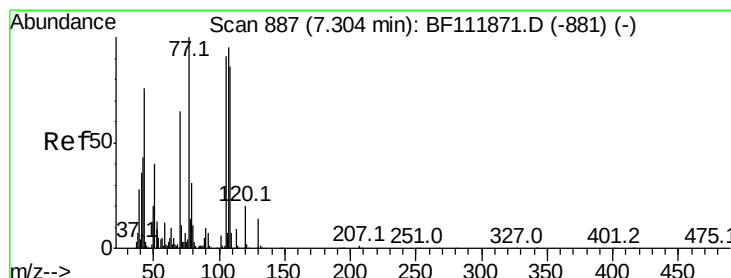
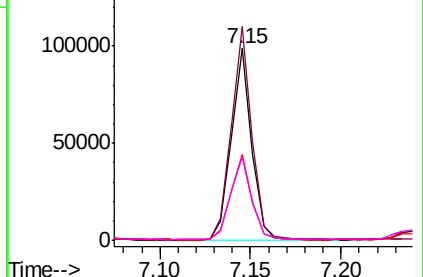
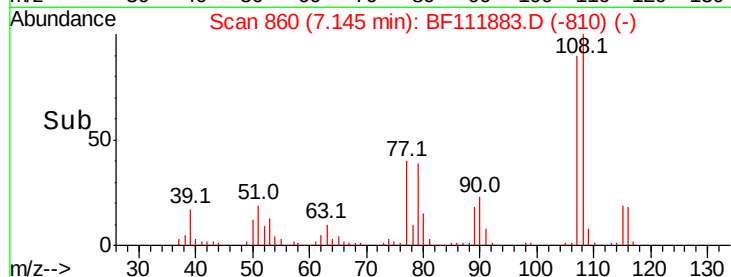
#17
2-Methylphenol
Concen: 9.415 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF111883.D
Acq: 7 Jan 2019 18:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 77901
Ion Ratio Lower Upper
107 100
108 111.5 89.7 134.5
77 44.5 40.6 60.8
79 43.7 40.2 60.2

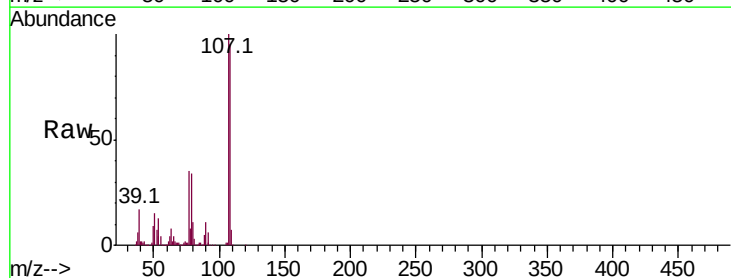


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

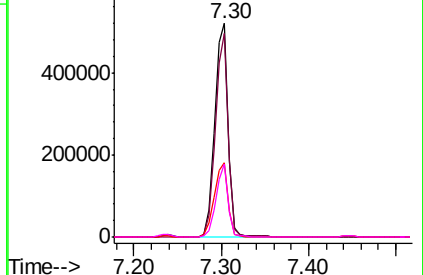
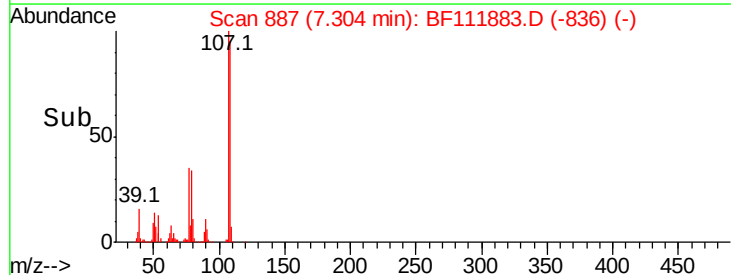


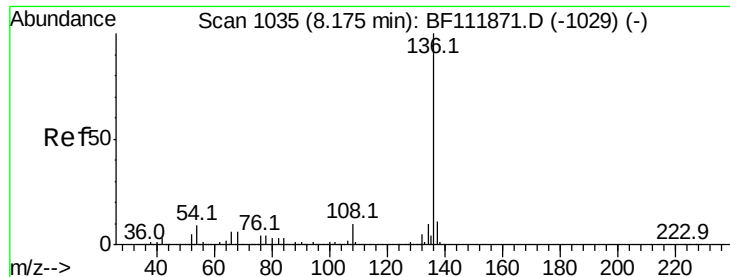
#20
3+4-Methylphenols
Concen: 53.384 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.00 min
Lab File: BF111883.D
Acq: 7 Jan 2019 18:20

Tgt Ion:107 Resp: 549706
Ion Ratio Lower Upper
107 100
108 95.2 71.1 111.1
77 34.9 85.4 125.4#
79 34.2 12.4 52.4



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

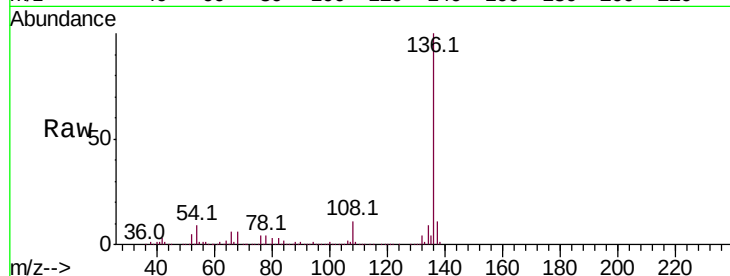




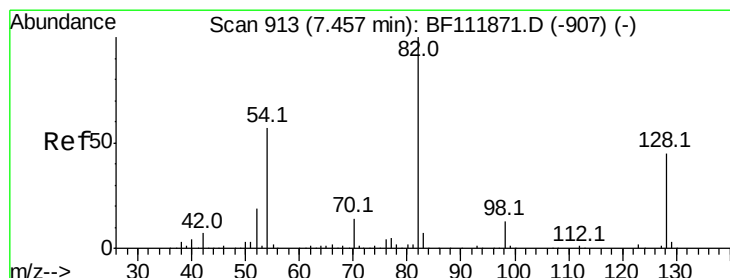
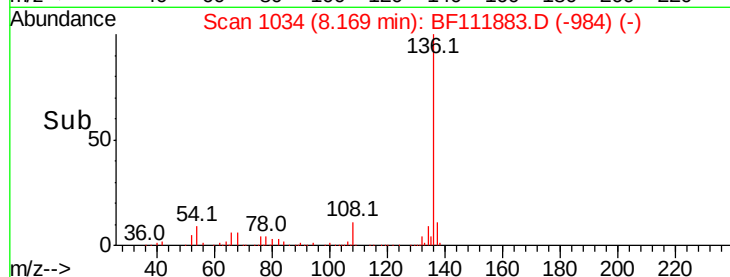
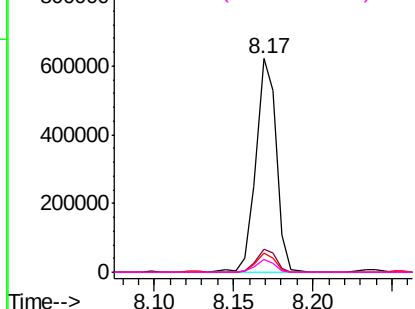
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111883.D
Acq: 7 Jan 2019 18:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	558748
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.1 13.7
54	9.2	7.2 10.8
68	5.7	4.4 6.6

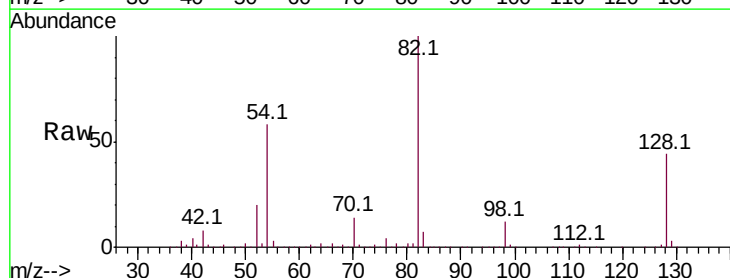


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

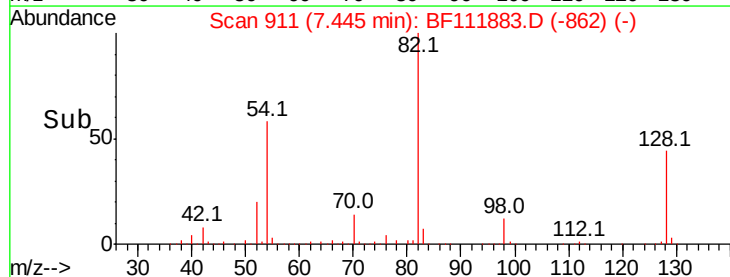
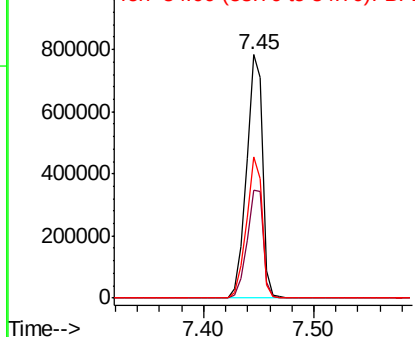


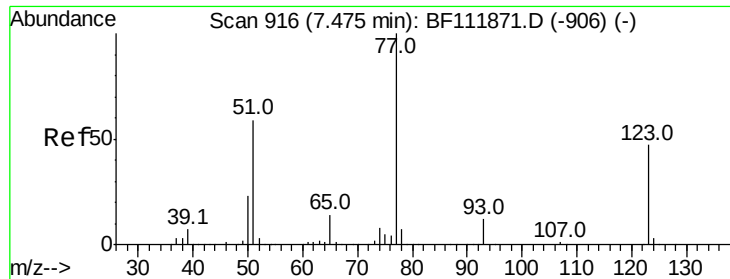
#23
Nitrobenzene-d5
Concen: 76.088 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF111883.D
Acq: 7 Jan 2019 18:20

Tgt Ion: 82	Resp:	795471
Ion Ratio	Lower	Upper
82	100	
128	44.1	35.7 53.5
54	58.2	45.8 68.8



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

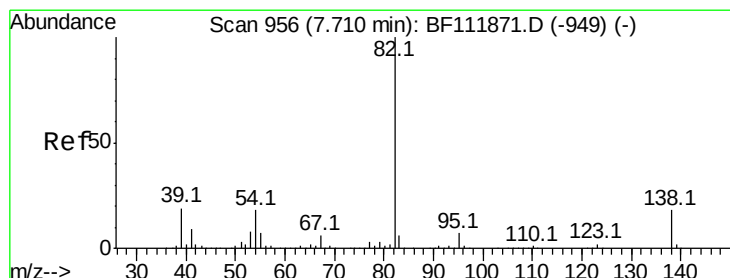
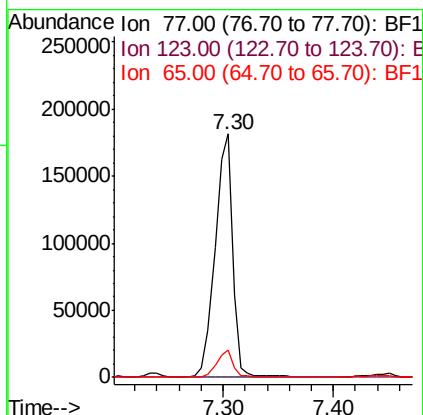
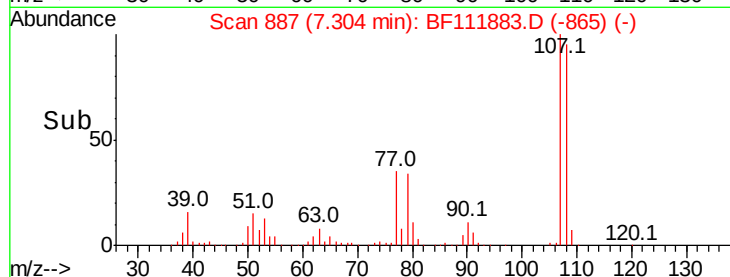
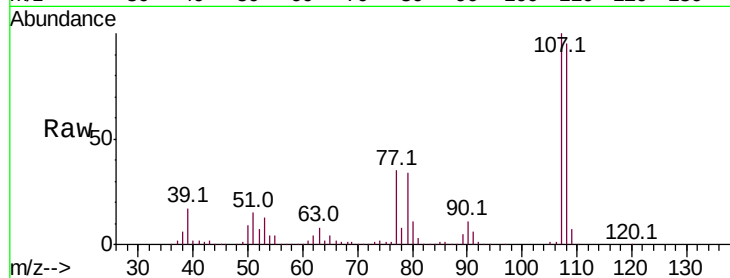




#24
 Nitrobenzene
 Concen: 18.913 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.17 min
 Lab File: BF111883.D
 Acq: 7 Jan 2019 18:20

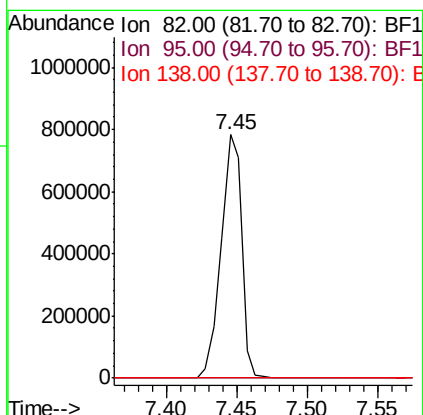
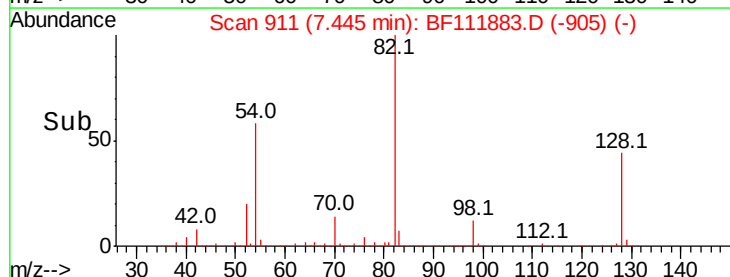
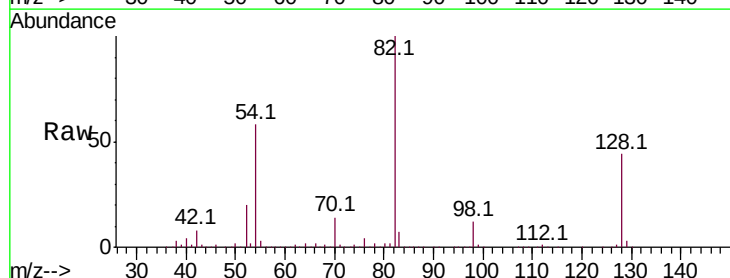
Instrument :
 BNA_F
 ClientSampled :

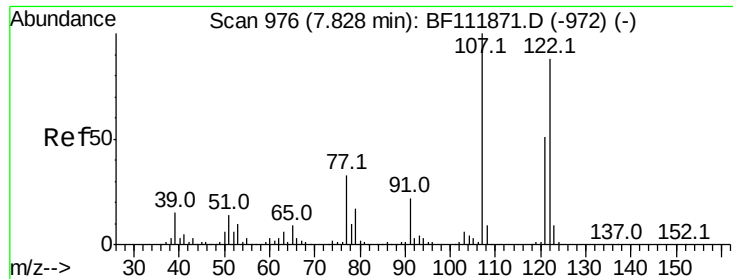
Tot Ion: 77 Resp: 200020
 Ion Ratio Lower Upper
 77 100
 123 0.0 38.1 57.1#
 65 11.1 11.0 16.4



#25
 Isophorone
 Concen: 46.826 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.26 min
 Lab File: BF111883.D
 Acq: 7 Jan 2019 18:20

Tgt Ion: 82 Resp: 792725
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.8 8.6#
 138 0.0 14.4 21.6#

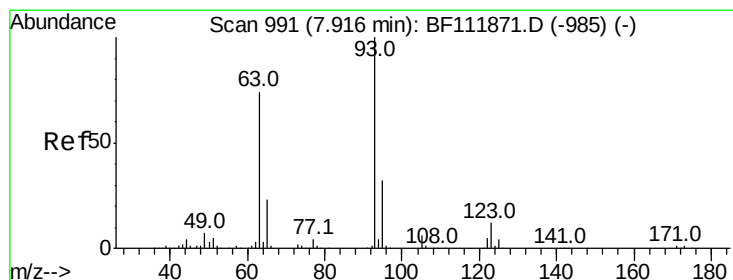
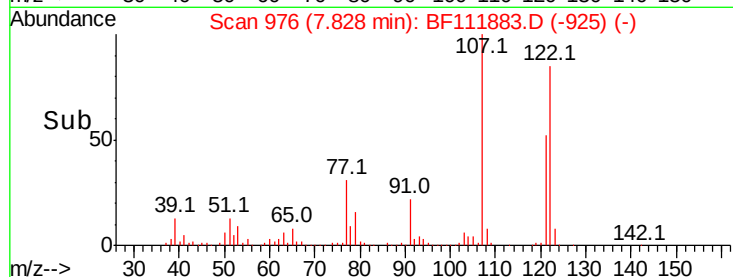
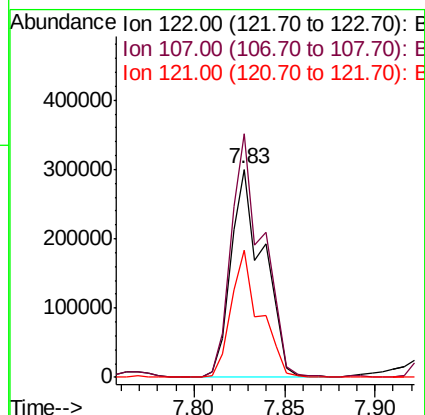
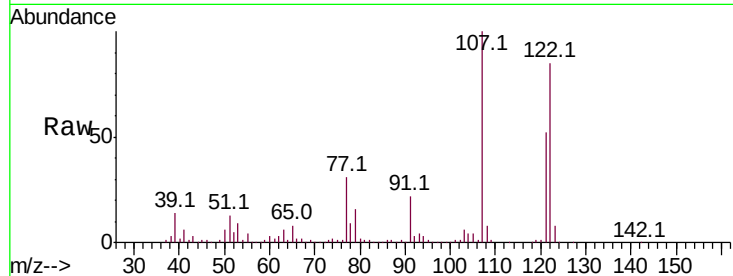




#27
2,4-Dimethylphenol
Concen: 49.872 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.00 min
Lab File: BF111883.D
Acq: 7 Jan 2019 18:20

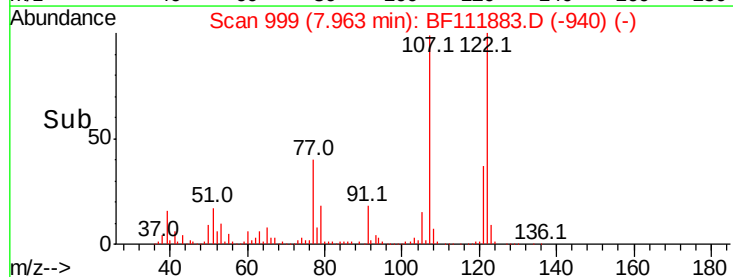
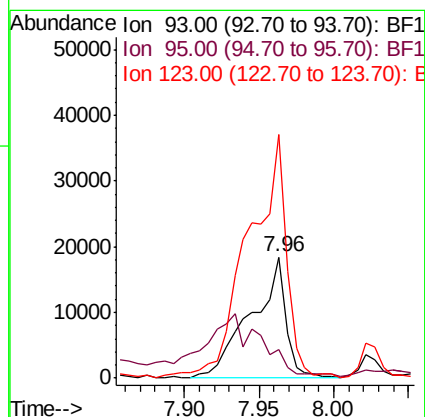
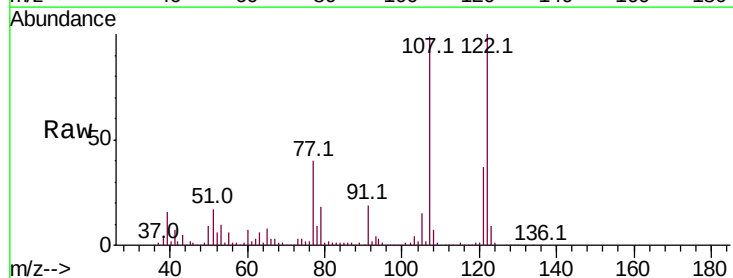
Instrument :
BNA_F
ClientSampled :

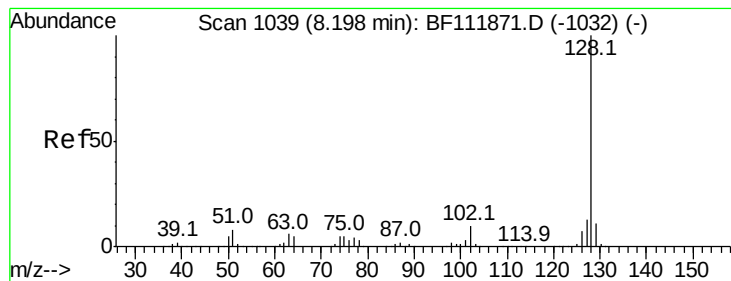
Tot Ion:122 Resp: 375493
Ion Ratio Lower Upper
122 100
107 117.1 91.0 136.6
121 61.1 46.8 70.2



#28
bis(2-Chloroethoxy)methane
Concen: 2.655 ng
RT: 7.96 min Scan# 999
Delta R.T. 0.05 min
Lab File: BF111883.D
Acq: 7 Jan 2019 18:20

Tgt Ion: 93 Resp: 30005
Ion Ratio Lower Upper
93 100
95 23.1 25.8 38.6#
123 201.0 9.5 14.3#





#31

Naphthalene

Concen: 4.722 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF111883.D

Acq: 7 Jan 2019 18:20

Instrument :

BNA_F

ClientSampleId :

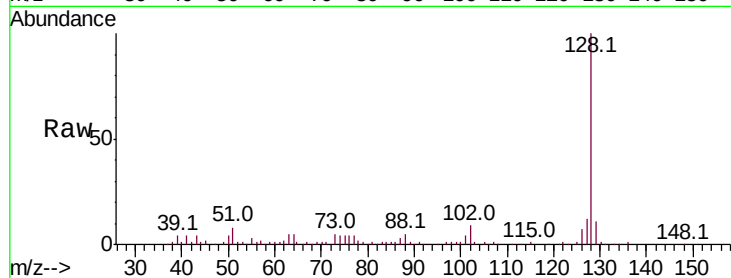
Tot Ion:128 Resp: 125253

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

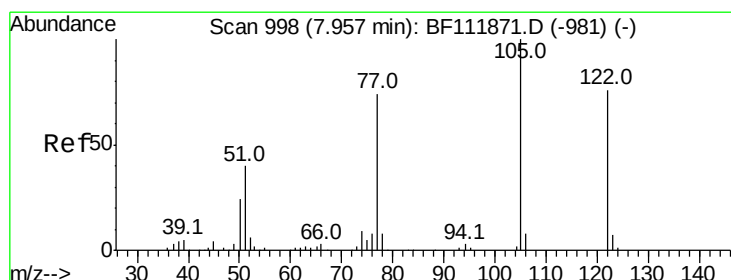
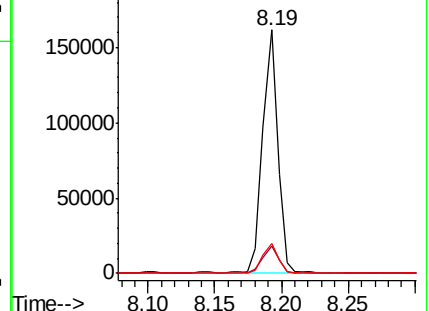
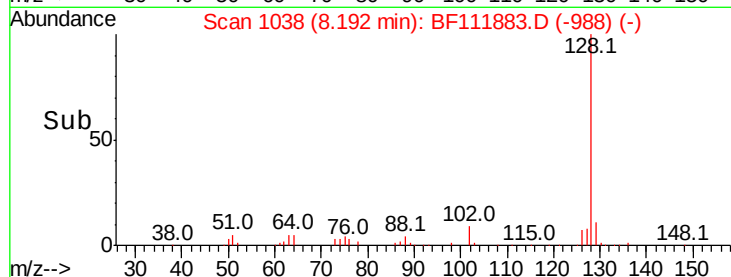
127 12.0 10.7 16.1



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: 148.693 ng

RT: 7.96 min Scan# 999

Delta R.T. 0.01 min

Lab File: BF111883.D

Acq: 7 Jan 2019 18:20

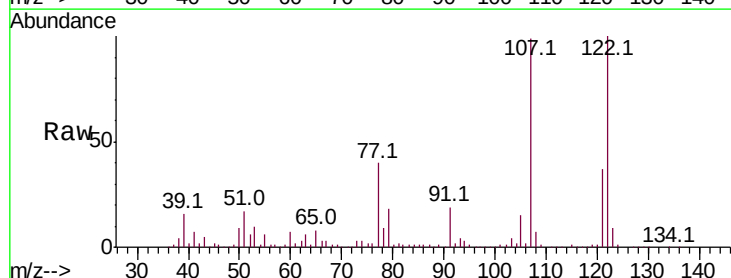
Tgt Ion:122 Resp: 726506

Ion Ratio Lower Upper

122 100

105 14.7 107.9 147.9#

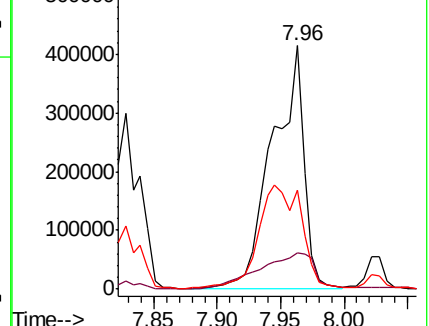
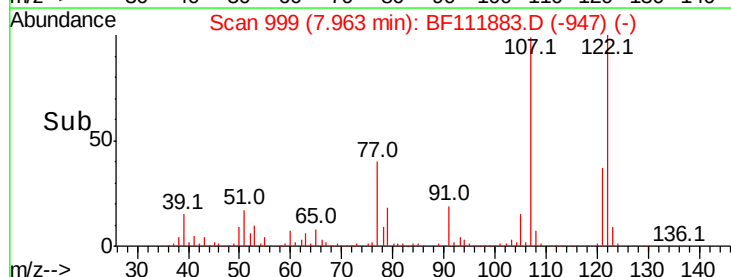
77 40.4 76.6 116.6#

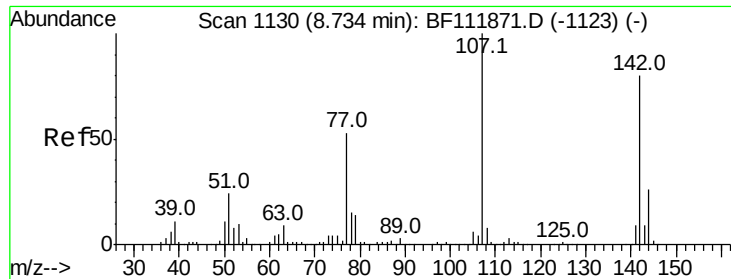


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

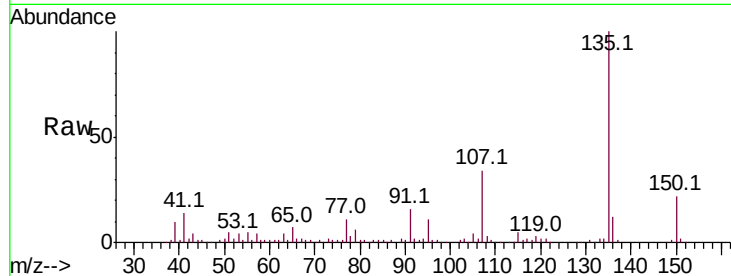




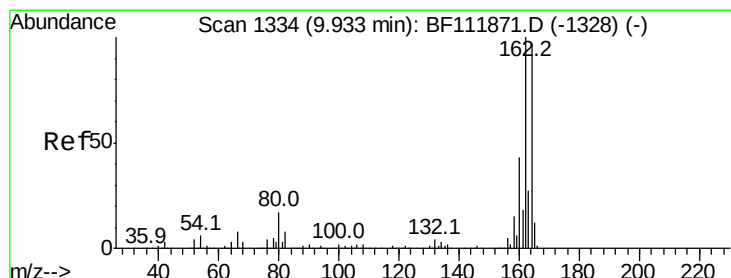
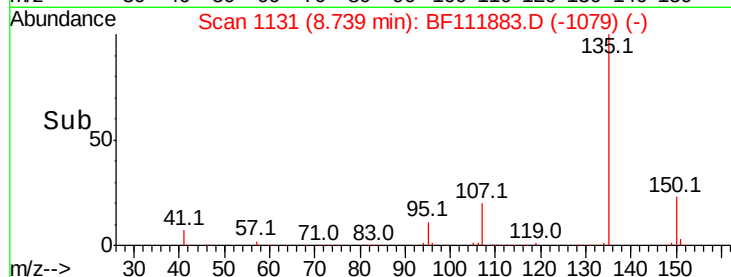
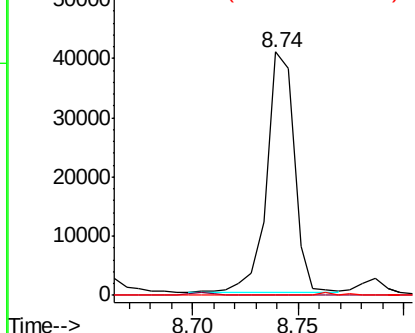
#36
4-Chloro-3-methylphenol
Concen: 4.299 ng
RT: 8.74 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF111883.D
Acq: 7 Jan 2019 18:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:107 Resp: 37010
Ion Ratio Lower Upper
107 100
144 0.0 20.7 31.1#
142 0.0 63.9 95.9#

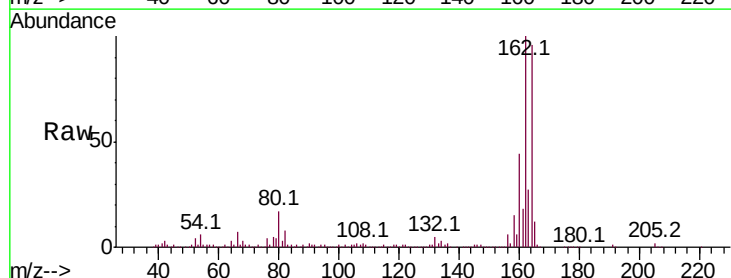


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

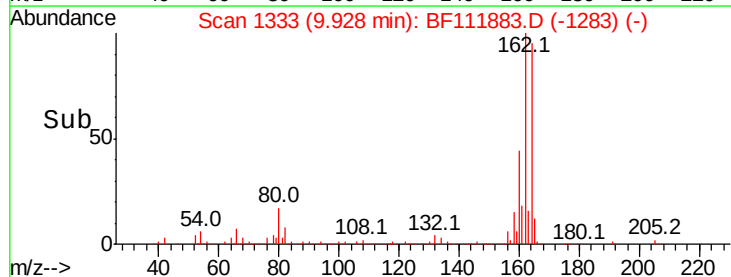
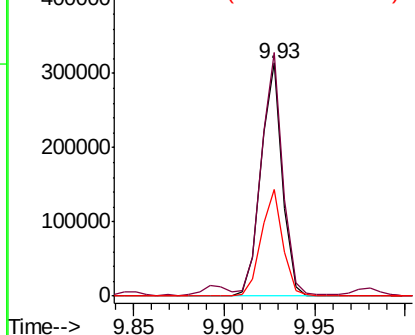


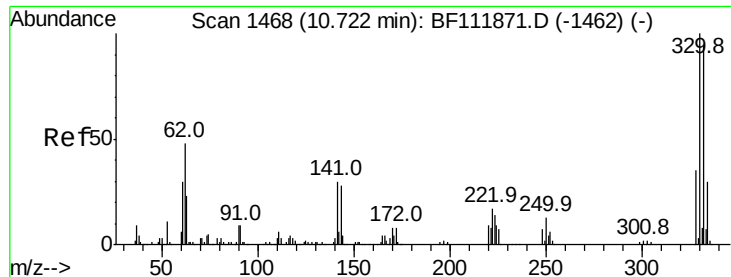
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111883.D
Acq: 7 Jan 2019 18:20

Tgt Ion:164 Resp: 257361
Ion Ratio Lower Upper
164 100
162 104.5 82.2 123.2
160 45.8 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

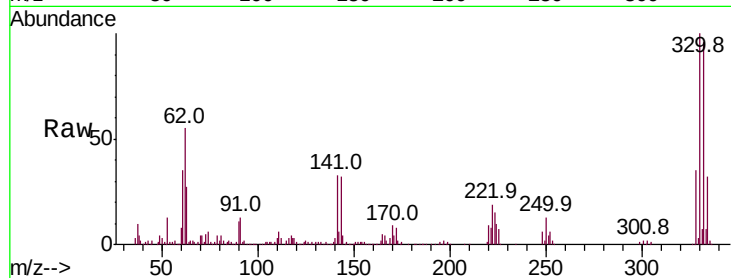




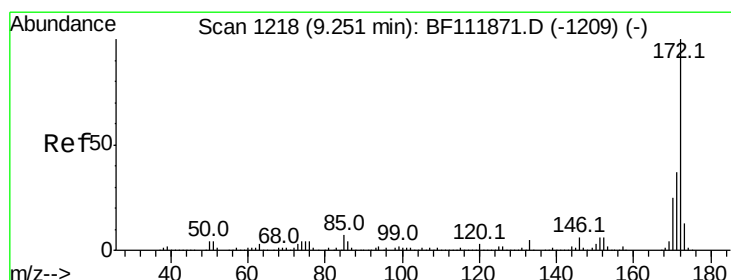
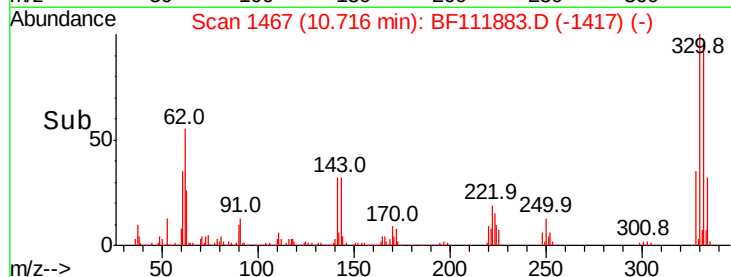
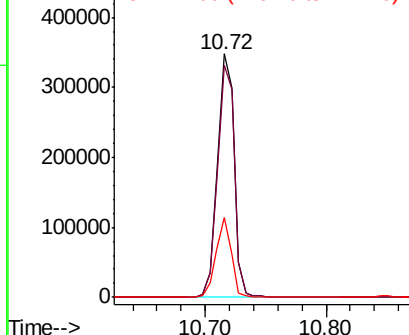
#42
 2,4,6-Tribromophenol
 Concen: 97.623 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111883.D
 Acq: 7 Jan 2019 18:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.9	115.3
141	29.7	23.7	35.5

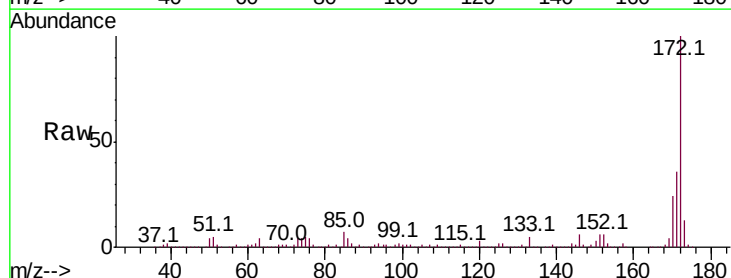


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

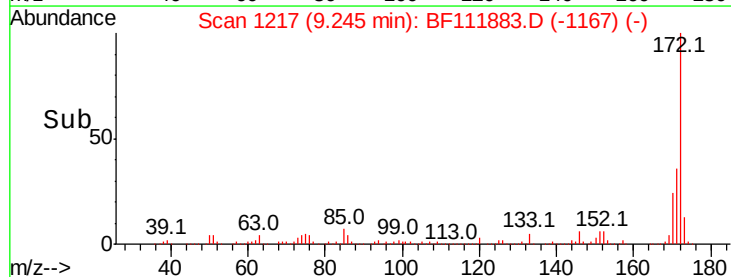
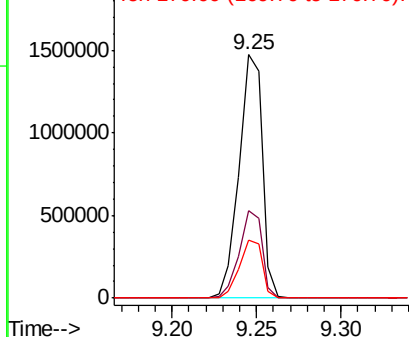


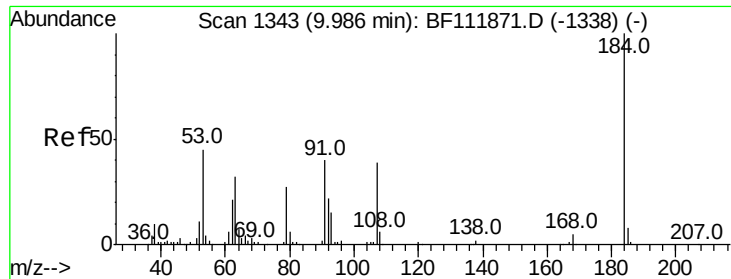
#45
 2-Fluorobiphenyl
 Concen: 79.883 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF111883.D
 Acq: 7 Jan 2019 18:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.0	19.8	29.8



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





#54

2,4-Dinitrophenol

Concen: 2.953 ng

RT: 10.07 min Scan# 1358

Delta R.T. 0.09 min

Lab File: BF111883.D

Acq: 7 Jan 2019 18:20

Instrument :

BNA_F

ClientSampleId :

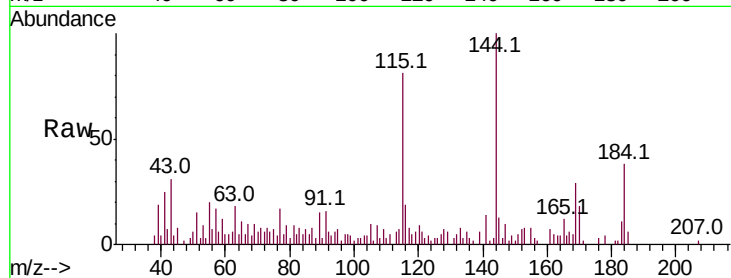
Tot Ion:184 Resp: 5406

Ion Ratio Lower Upper

184 100

63 48.2 46.9 70.3

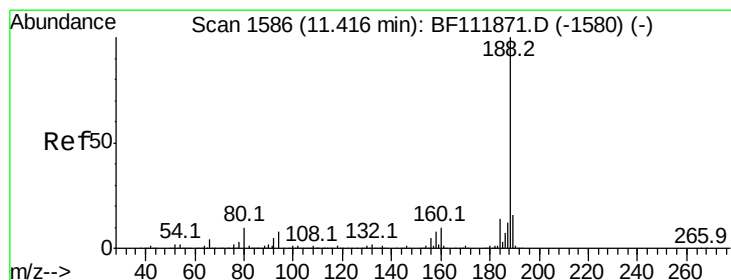
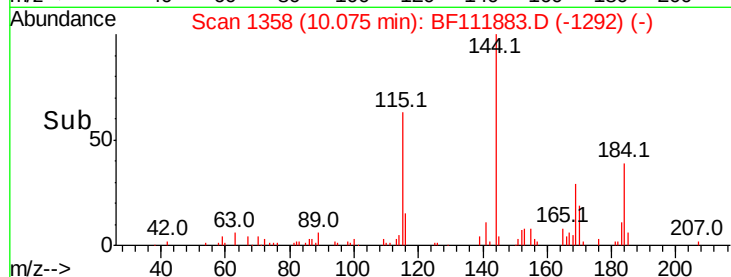
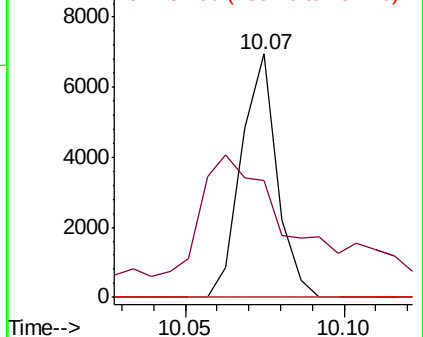
154 0.0 46.9 70.3#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF111883.D

Acq: 7 Jan 2019 18:20

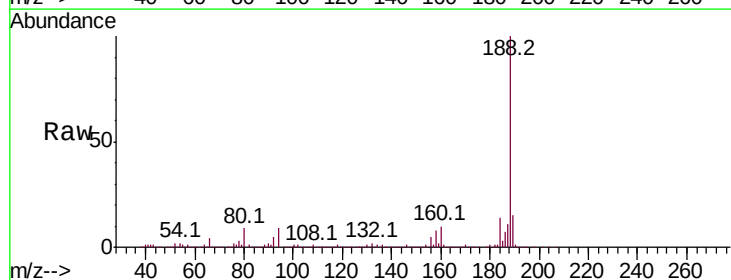
Tgt Ion:188 Resp: 422128

Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

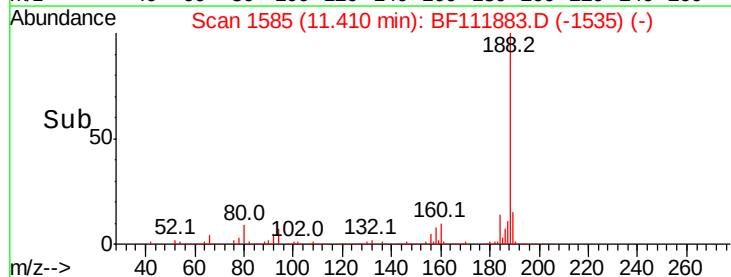
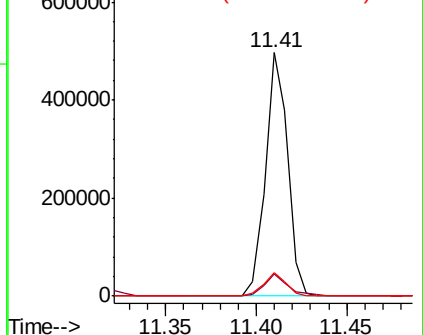
80 9.4 7.7 11.5

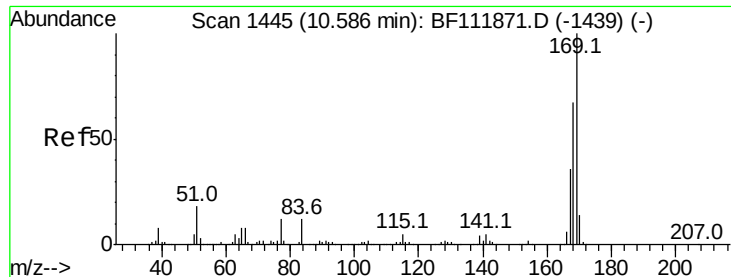


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#66

n-Nitrosodiphenylamine

Concen: 3.073 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF111883.D

Acq: 7 Jan 2019 18:20

Instrument :

BNA_F

ClientSampleId :

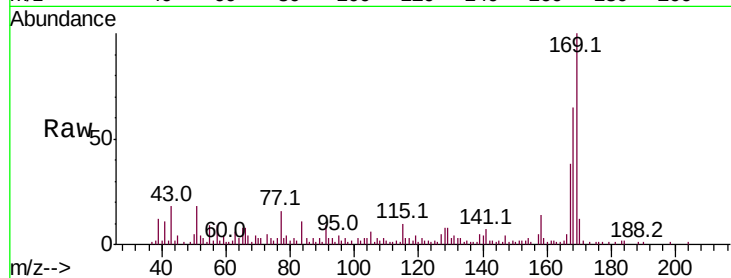
Tot Ion:169 Resp: 43535

Ion Ratio Lower Upper

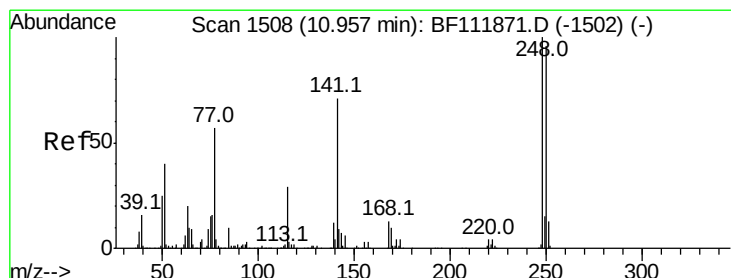
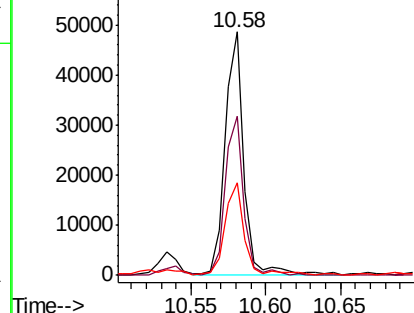
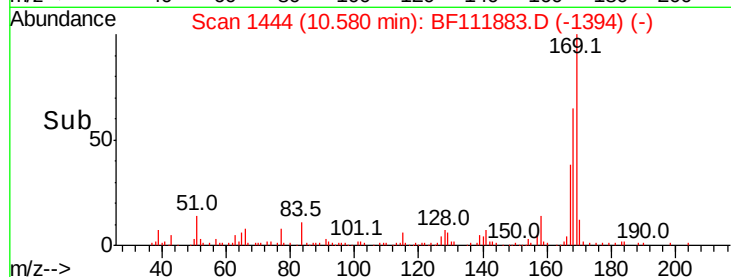
169 100

168 65.5 53.8 80.6

167 38.0 29.1 43.7



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.624 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.24 min

Lab File: BF111883.D

Acq: 7 Jan 2019 18:20

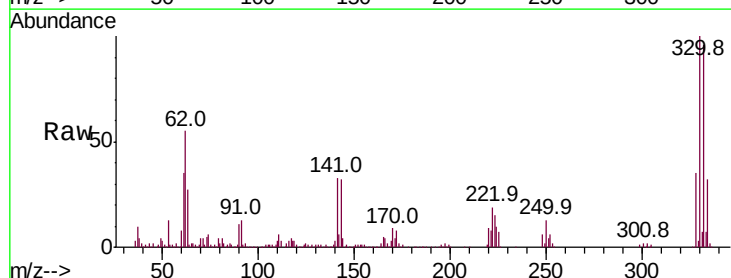
Tgt Ion:248 Resp: 19815

Ion Ratio Lower Upper

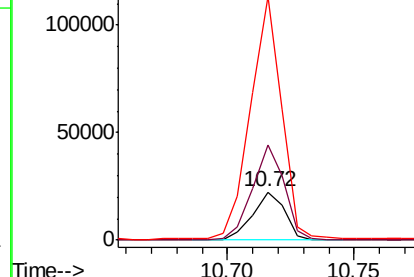
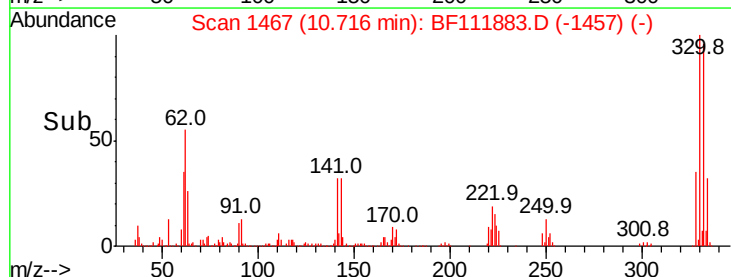
248 100

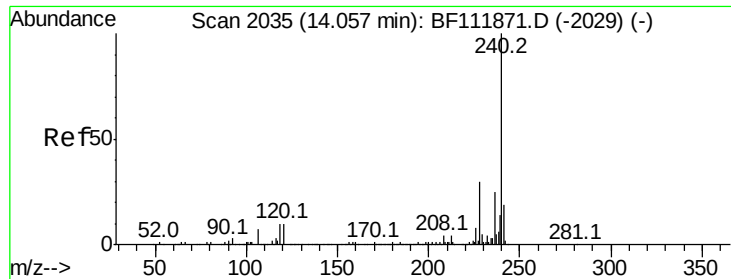
250 197.3 76.8 115.2#

141 505.6 57.0 85.6#



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

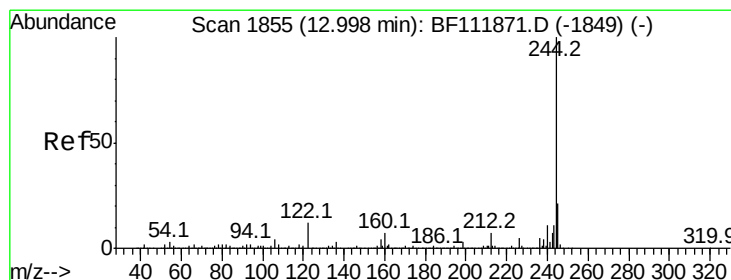
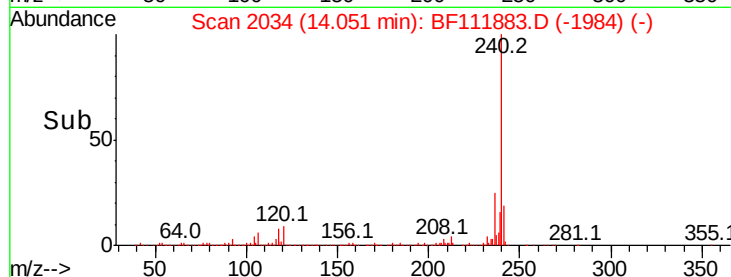
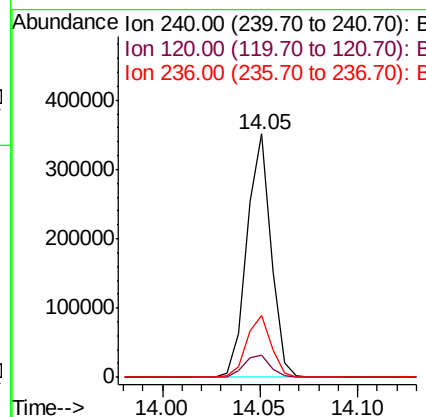
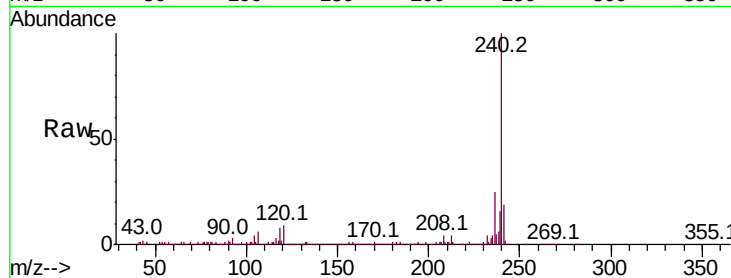




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF111883.D
 Acq: 7 Jan 2019 18:20

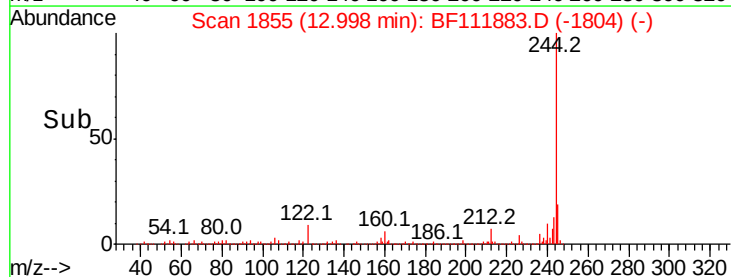
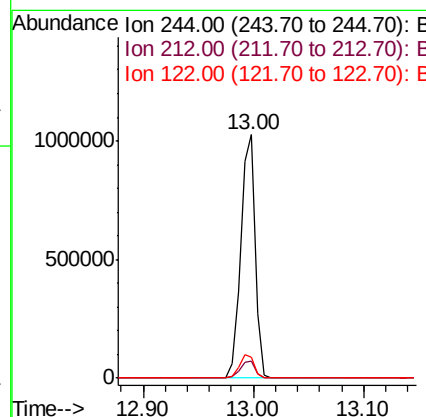
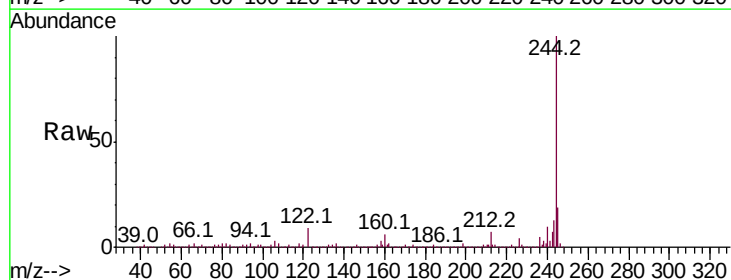
Instrument :
 BNA_F
 ClientSampleId :

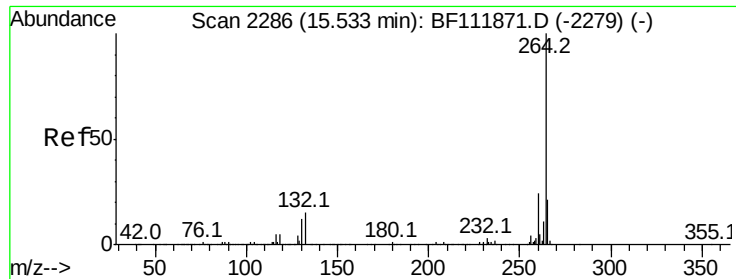
Tot Ion:240 Resp: 300963
 Ion Ratio Lower Upper
 240 100
 120 9.1 8.2 12.2
 236 25.3 20.2 30.4



#79
 Terphenyl-d14
 Concen: 59.435 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: BF111883.D
 Acq: 7 Jan 2019 18:20

Tgt Ion:244 Resp: 942335
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 8.6 9.5 14.3#





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.00 min
Lab File: BF111883.D
Acq: 7 Jan 2019 18:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	21.5	17.1	25.7

