

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
 Data File : BF108822.D
 Acq On : 6 Sep 2018 13:25
 Operator : JU/SJ
 Sample : J4724-15
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 06 14:35:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	206869	20.00	ng	0.01
21) Naphthalene-d8	8.02	136	833689	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	399613	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	619364	20.00	ng	0.00
75) Chrysene-d12	13.87	240	574390	20.00	ng	0.00
86) Perylene-d12	15.27	264	509527	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	1190560	95.34	ng	0.01
7) Phenol-d6	6.37	99	1412411	87.91	ng	0.00
23) Nitrobenzene-d5	7.31	82	852202	63.97	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	266354	69.82	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1520398	64.91	ng	0.00
78) Terphenyl-d14	12.82	244	1162185	47.18	ng	0.00

Target Compounds

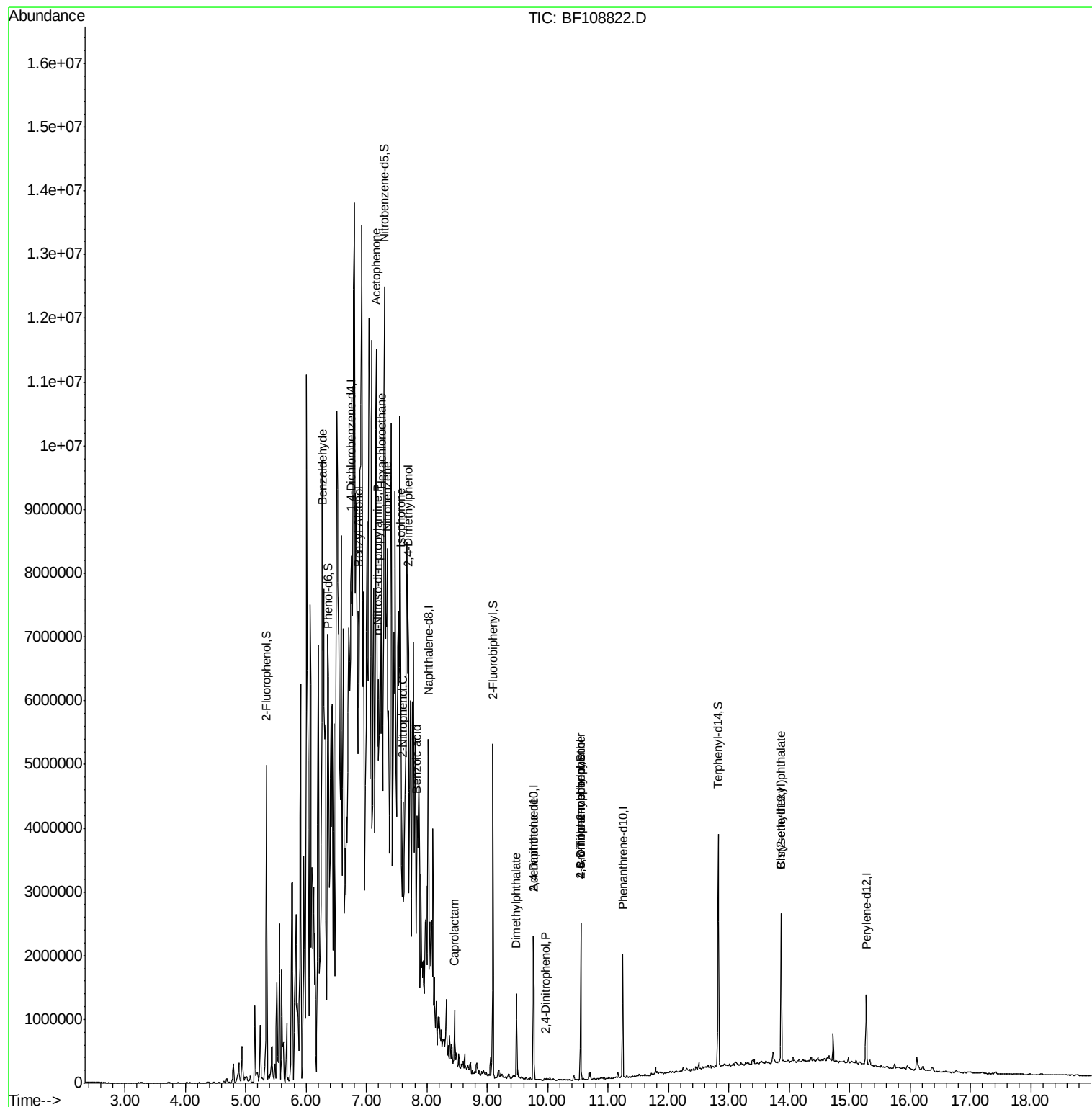
						Qvalue
9) Benzaldehyde	6.28	77	90628	7.951	ng	# 1
15) Benzyl Alcohol	6.87	79	57799	4.688	ng	# 55
18) Hexachloroethane	7.25	117	129527	22.775	ng	# 1
19) n-Nitroso-di-n-propylamine	7.20	70	338414	30.302	ng	# 60
22) Acetophenone	7.15	105	1073798	56.753	ng	# 58
24) Nitrobenzene	7.34	77	123273	8.624	ng	# 58
25) Isophorone	7.57	82	242237	9.116	ng	# 1
26) 2-Nitrophenol	7.61	139	17759	3.154	ng	# 1
27) 2,4-Dimethylphenol	7.70	122	36869	3.224	ng	# 1
32) Benzoic acid	7.83	122	21070	6.935	ng	# 10
35) Caprolactam	8.46	113	16528	4.136	ng	# 54
49) Dimethylphthalate	9.48	163	475588	17.016	ng	# 99
53) 2,4-Dinitrophenol	9.97	184	161	9.372	ng	# 36
56) 2,4-Dinitrotoluene	9.77	165	52677	7.734	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	577	7.071	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	16495	2.358	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.87	149	173710	6.945	ng	# 98

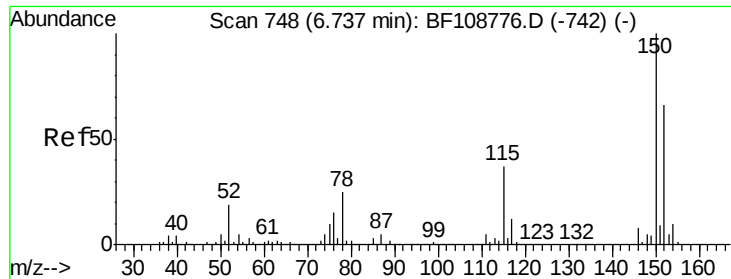
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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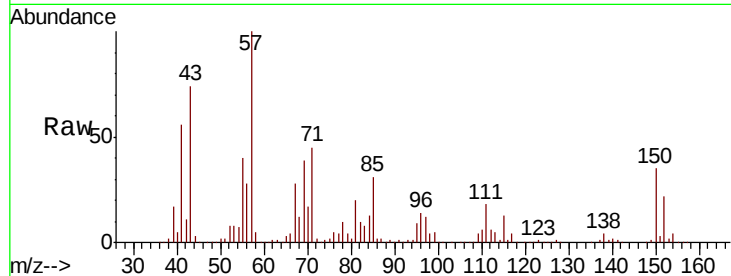


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 750
Delta R.T. 0.01 min
Lab File: BF108822.D
Acq: 6 Sep 2018 13:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	58.9	50.1	75.1

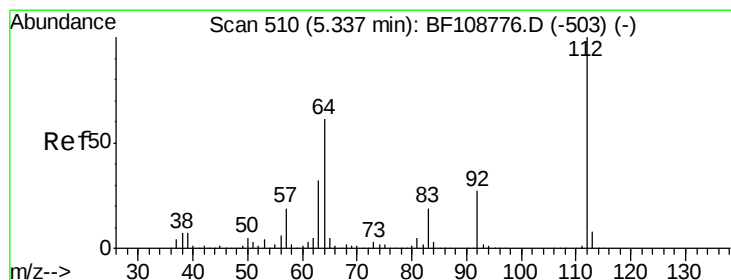
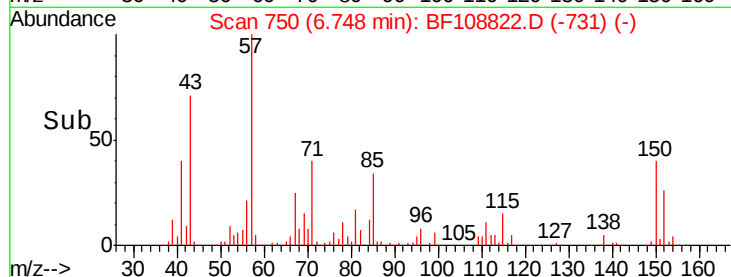
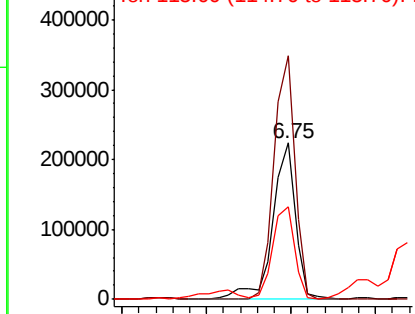


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

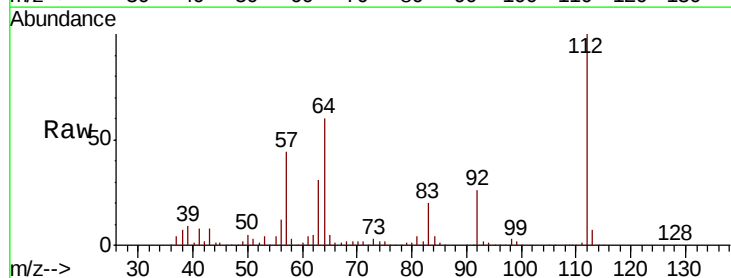
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.343 ng
RT: 5.35 min Scan# 512
Delta R.T. 0.01 min
Lab File: BF108822.D
Acq: 6 Sep 2018 13:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.9	71.9
63	30.8	23.7	35.5

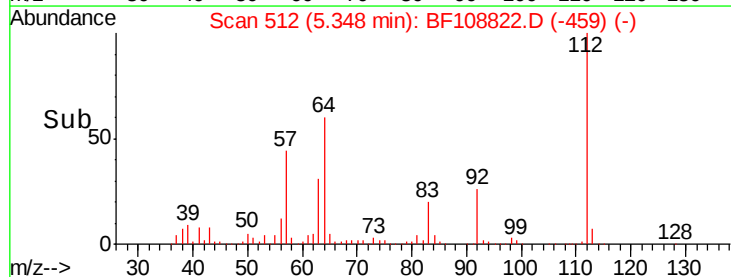
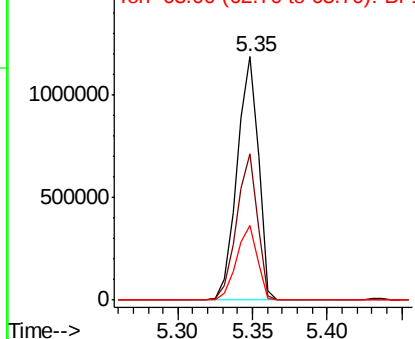


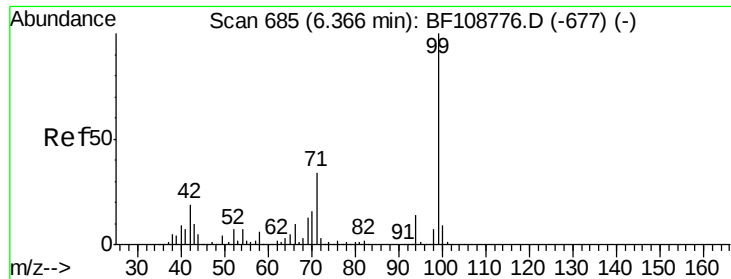
Abundance

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





#7

Phenol-d6

Concen: 87.910 ng

RT: 6.37 min Scan# 686

Delta R.T. 0.01 min

Lab File: BF108822.D

Acq: 6 Sep 2018 13:25

Instrument :

BNA_F

ClientSampleId :

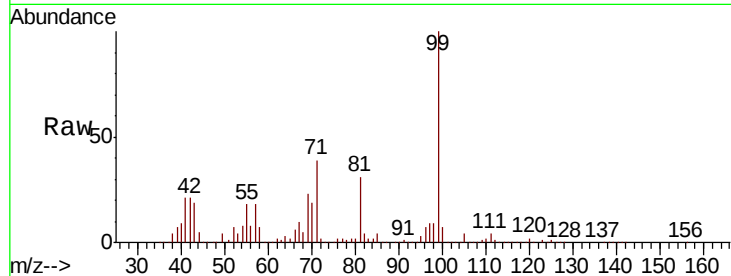
Tot Ion: 99 Resp: 1412411

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

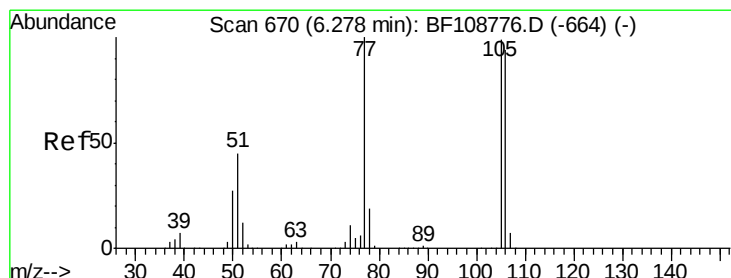
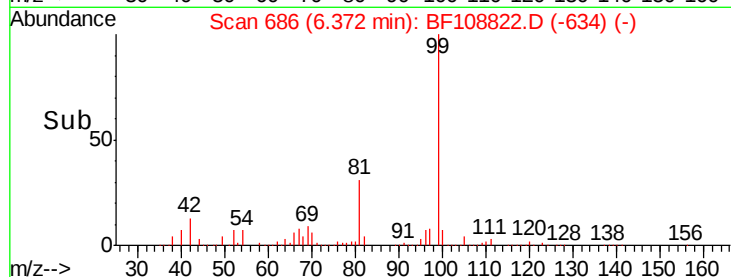
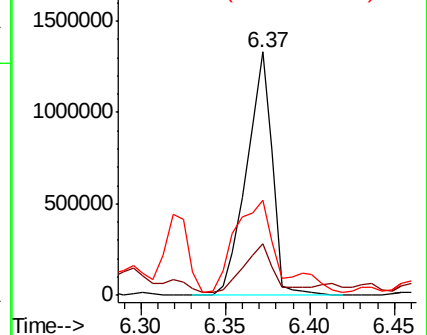
71 38.9 25.4 38.0#



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: 7.951 ng

RT: 6.28 min Scan# 671

Delta R.T. 0.01 min

Lab File: BF108822.D

Acq: 6 Sep 2018 13:25

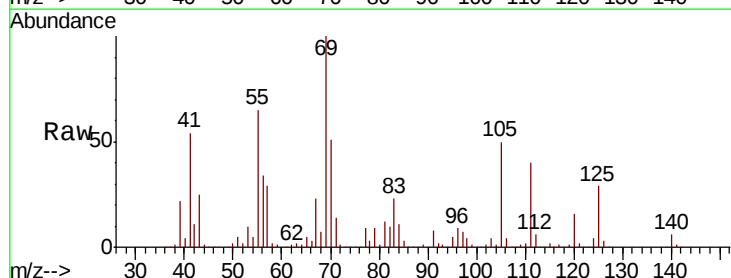
Tgt Ion: 77 Resp: 90628

Ion Ratio Lower Upper

77 100

105 566.7 81.1 121.1#

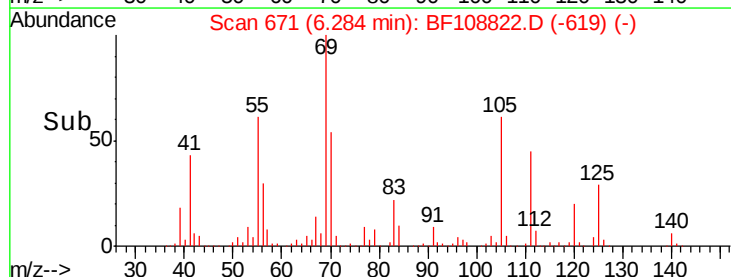
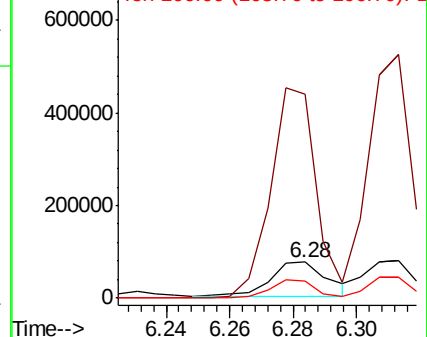
106 48.1 74.5 114.5#

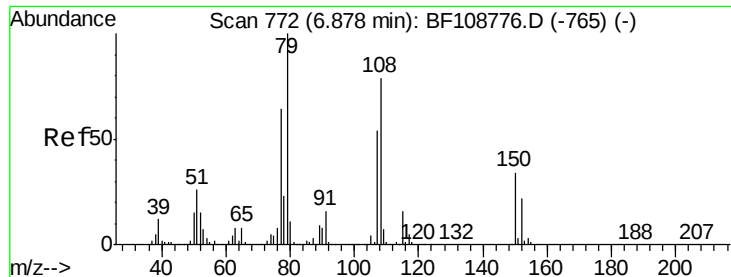


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

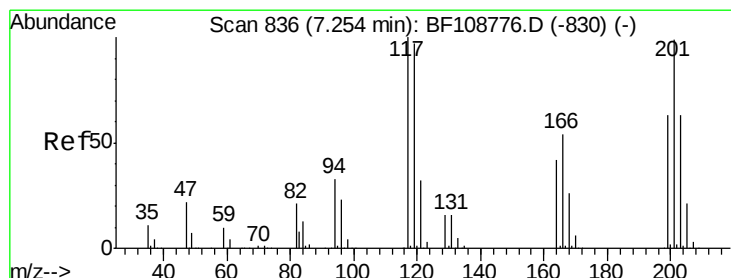
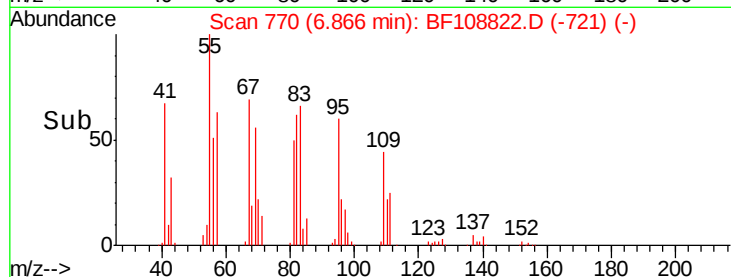
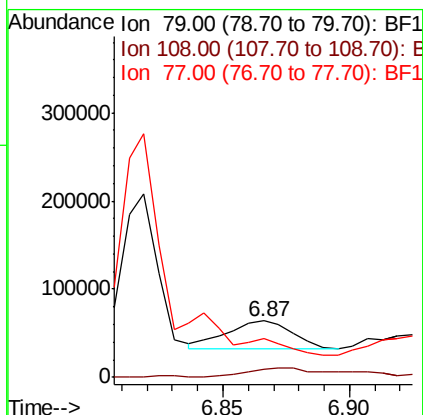
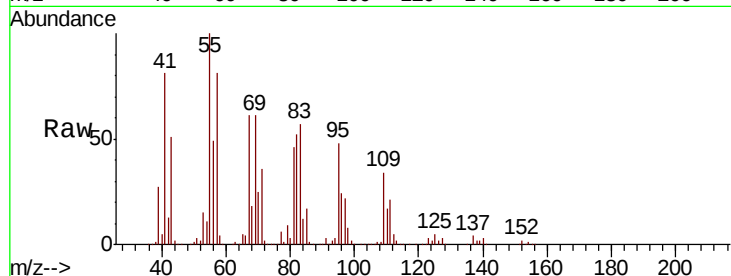




#15
Benzyl Alcohol
Concen: 4.688 ng
RT: 6.87 min Scan# 770
Delta R.T. -0.01 min
Lab File: BF108822.D
Acq: 6 Sep 2018 13:25

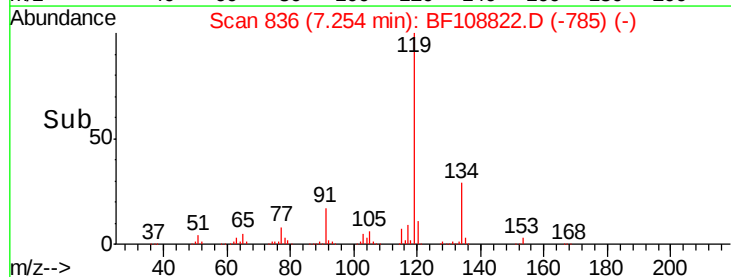
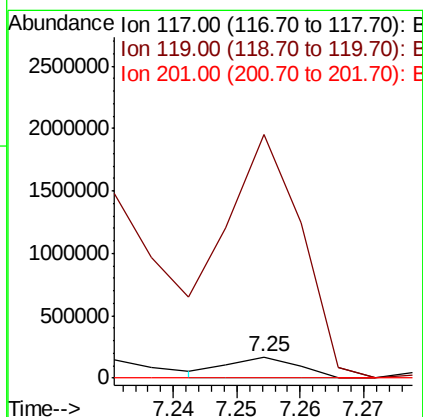
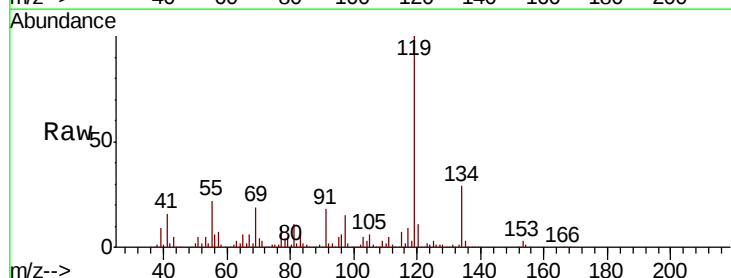
Instrument :
BNA_F
ClientSampled :

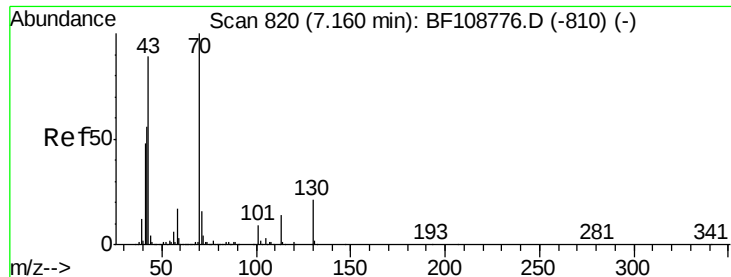
Tot Ion: 79 Resp: 57799
Ion Ratio Lower Upper
79 100
108 15.1 65.1 97.7#
77 68.1 50.6 75.8



#18
Hexachloroethane
Concen: 22.775 ng
RT: 7.25 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF108822.D
Acq: 6 Sep 2018 13:25

Tgt Ion: 117 Resp: 129527
Ion Ratio Lower Upper
117 100
119 1141.0 75.8 113.8#
201 0.0 75.7 113.5#

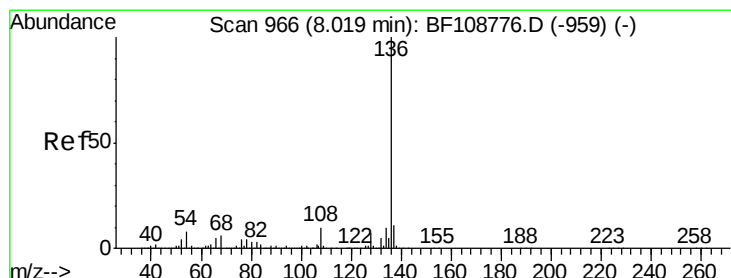
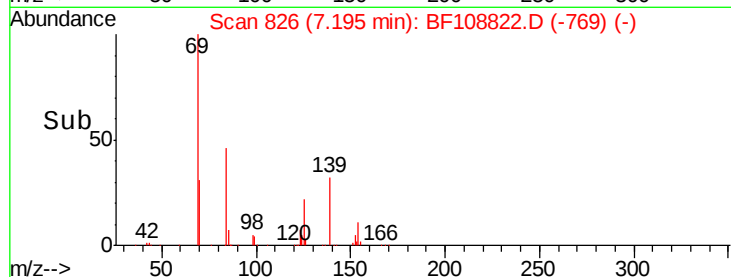
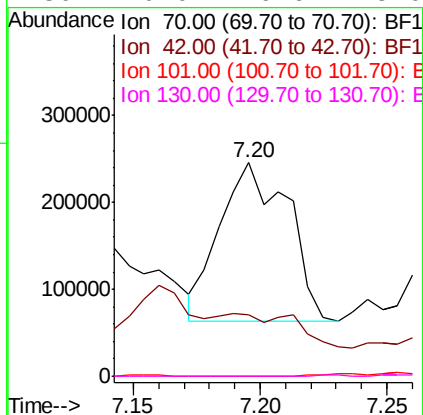
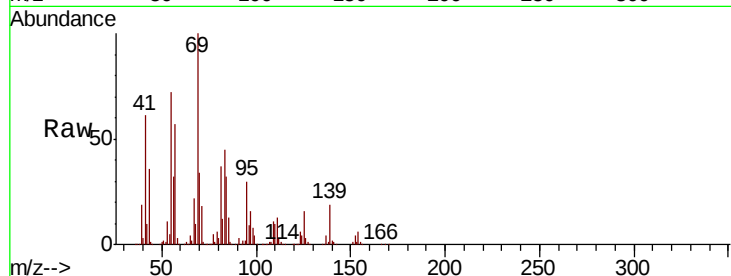




#19
n-Nitroso-di-n-propylamine
Concen: 30.302 ng
RT: 7.20 min Scan# 826
Delta R.T. 0.04 min
Lab File: BF108822.D
Acq: 6 Sep 2018 13:25

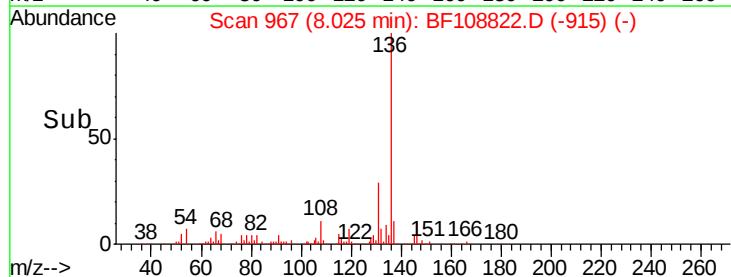
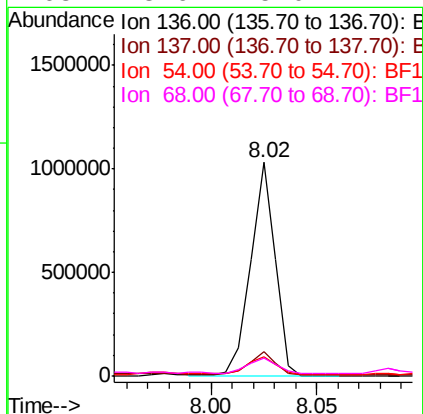
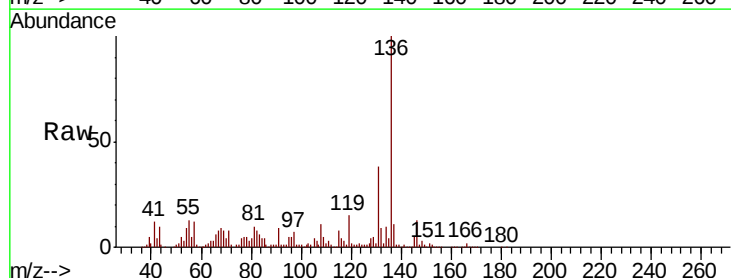
Instrument :
BNA_F
ClientSampleId :

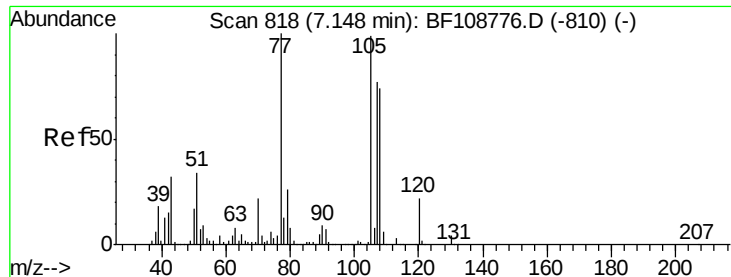
Tot Ion: 70 Resp: 338414
Ion Ratio Lower Upper
70 100
42 29.0 47.5 71.3#
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 967
Delta R.T. 0.01 min
Lab File: BF108822.D
Acq: 6 Sep 2018 13:25

Tgt Ion:136 Resp: 833689
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 8.9 6.6 9.8
68 8.6 5.0 7.4#

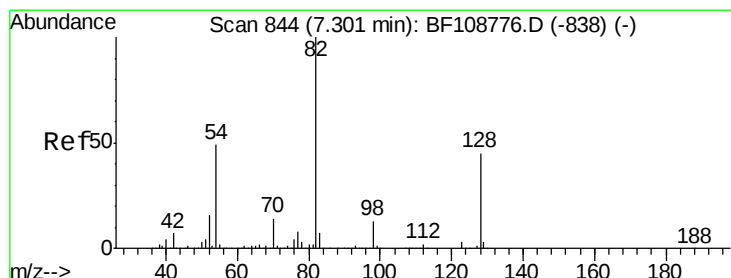
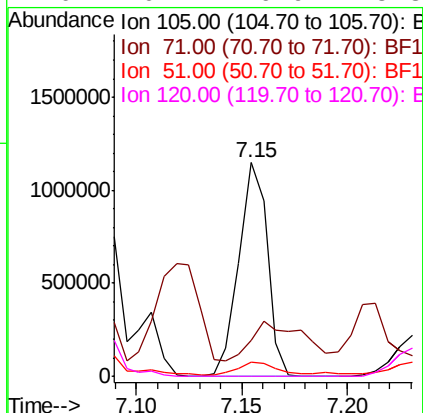
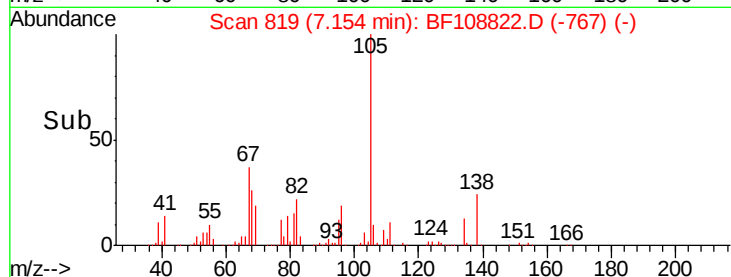
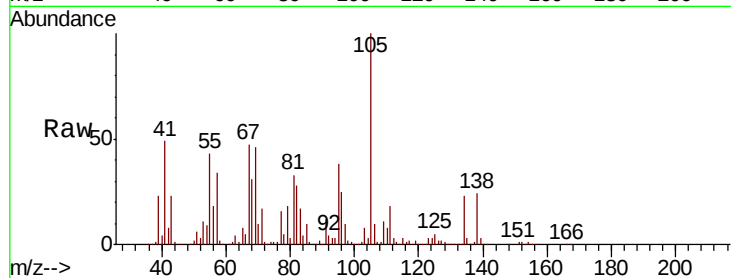




#22
Acetophenone
Concen: 56.753 ng
RT: 7.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF108822.D
Acq: 6 Sep 2018 13:25

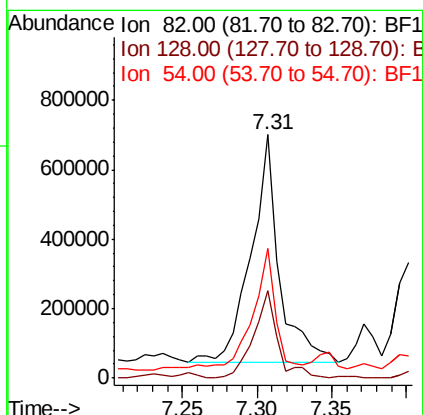
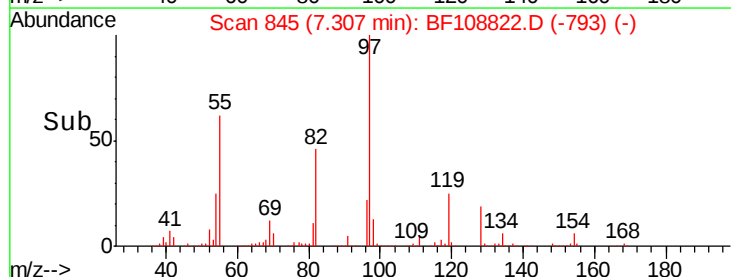
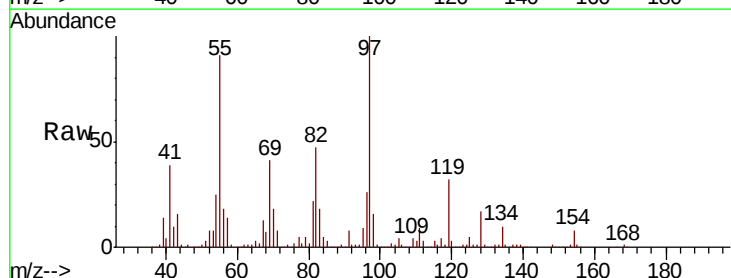
Instrument :
BNA_F
ClientSampleId :

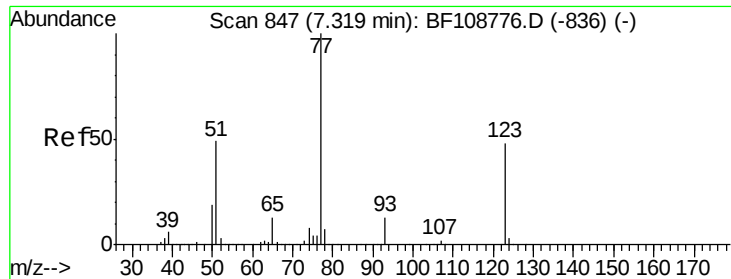
Tot Ion:105 Resp: 1073798
Ion Ratio Lower Upper
105 100
71 17.0 4.4 6.6#
51 6.3 22.3 33.5#
120 0.2 16.9 25.3#



#23
Nitrobenzene-d5
Concen: 63.971 ng
RT: 7.31 min Scan# 845
Delta R.T. 0.01 min
Lab File: BF108822.D
Acq: 6 Sep 2018 13:25

Tgt Ion: 82 Resp: 852202
Ion Ratio Lower Upper
82 100
128 36.2 36.1 54.1
54 53.5 41.4 62.2

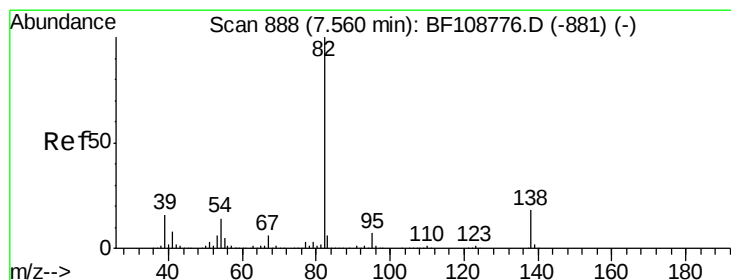
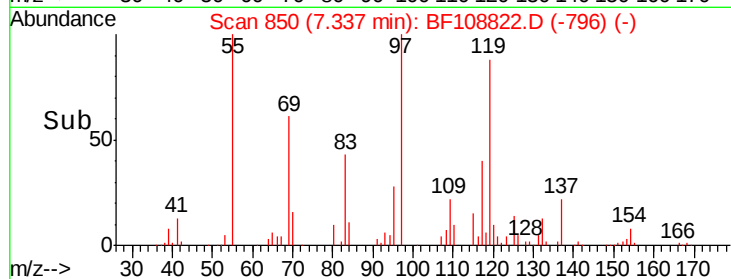
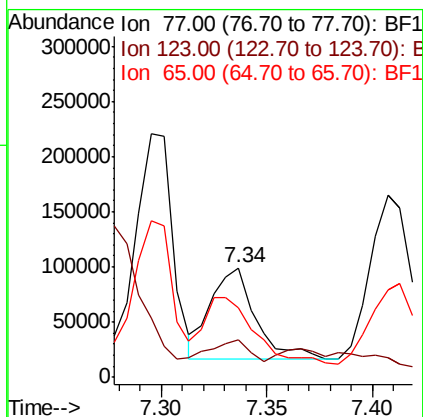
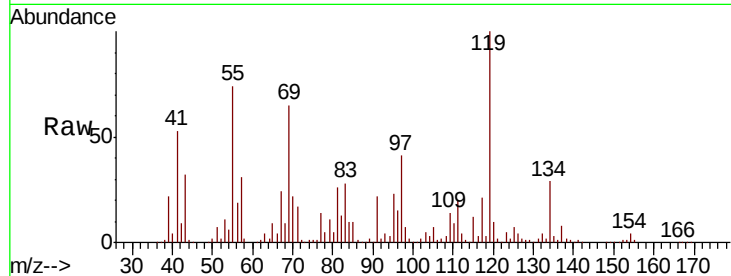




#24
 Nitrobenzene
 Concen: 8.624 ng
 RT: 7.34 min Scan# 850
 Delta R.T. 0.02 min
 Lab File: BF108822.D
 Acq: 6 Sep 2018 13:25

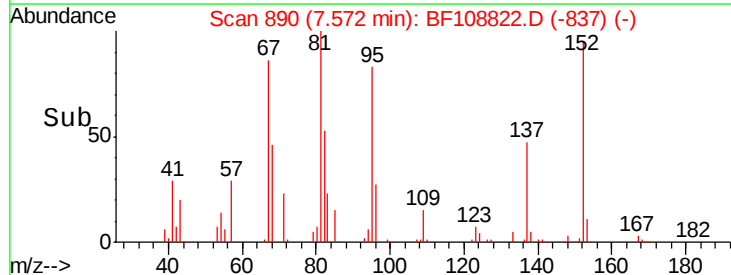
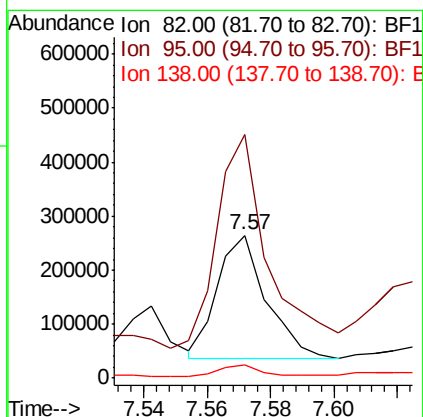
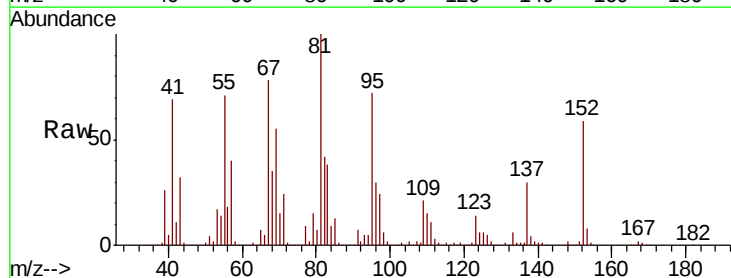
Instrument :
 BNA_F
 ClientSampled :

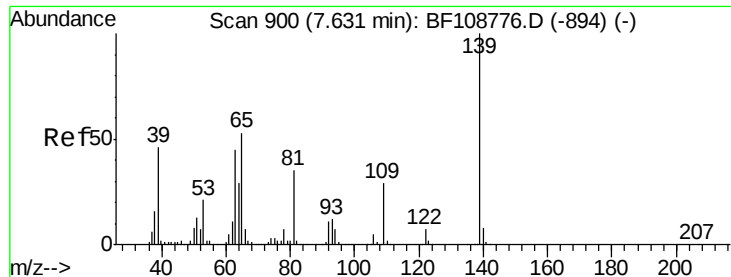
Tot Ion: 77 Resp: 123273
 Ion Ratio Lower Upper
 77 100
 123 34.7 37.9 56.9#
 65 63.5 11.0 16.4#



#25
 Isophorone
 Concen: 9.116 ng
 RT: 7.57 min Scan# 890
 Delta R.T. 0.01 min
 Lab File: BF108822.D
 Acq: 6 Sep 2018 13:25

Tgt Ion: 82 Resp: 242237
 Ion Ratio Lower Upper
 82 100
 95 170.3 5.2 7.8#
 138 9.3 14.9 22.3#





#26

2-Nitrophenol

Concen: 3.154 ng

RT: 7.61 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF108822.D

Acq: 6 Sep 2018 13:25

Instrument :

BNA_F

ClientSampleId :

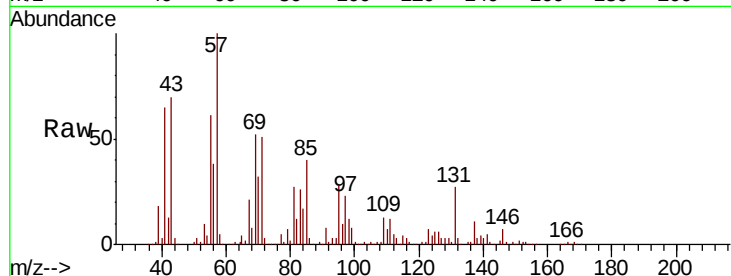
Tot Ion:139 Resp: 17759

Ion Ratio Lower Upper

139 100

109 365.0 22.7 34.1#

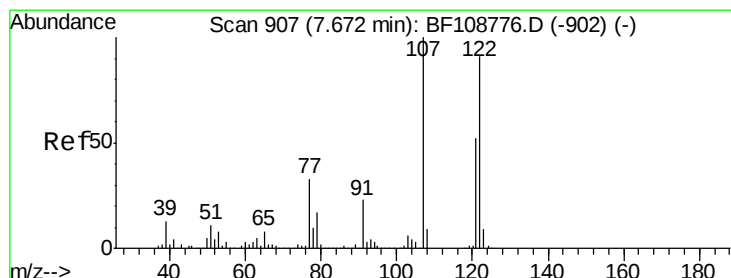
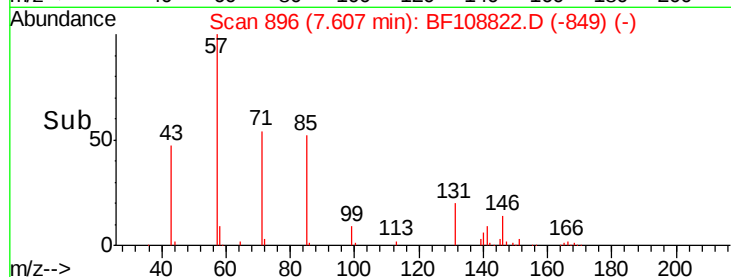
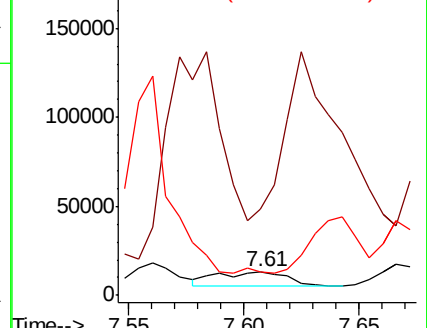
65 100.0 40.5 60.7#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#27

2,4-Dimethylphenol

Concen: 3.224 ng

RT: 7.70 min Scan# 911

Delta R.T. 0.02 min

Lab File: BF108822.D

Acq: 6 Sep 2018 13:25

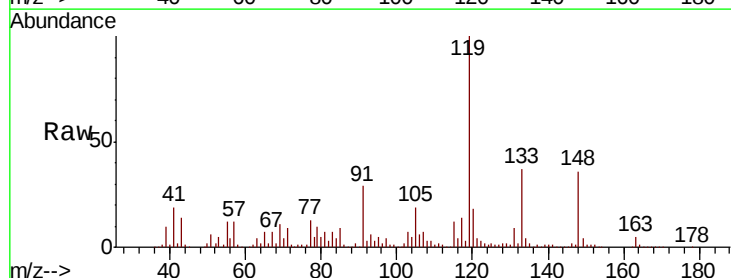
Tgt Ion:122 Resp: 36869

Ion Ratio Lower Upper

122 100

107 233.9 91.2 136.8#

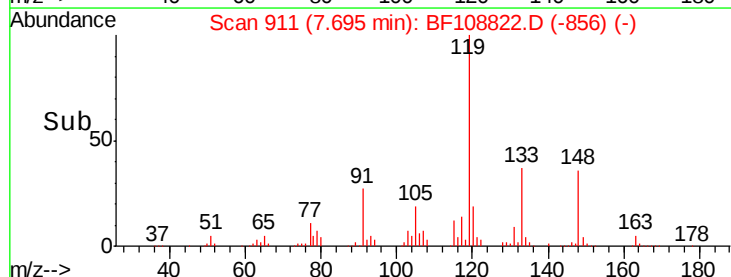
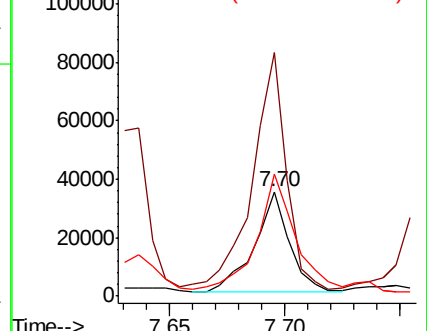
121 116.9 47.2 70.8#

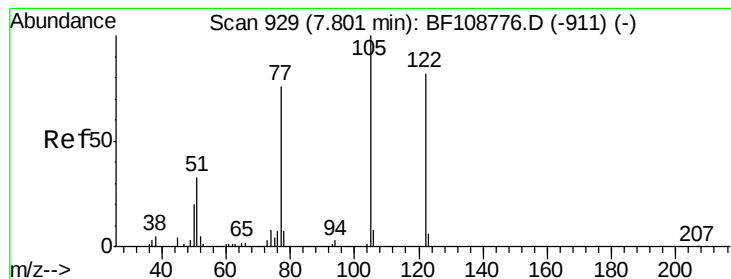


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#32

Benzoic acid

Concen: 6.935 ng

RT: 7.83 min Scan# 934

Delta R.T. 0.03 min

Lab File: BF108822.D

Acq: 6 Sep 2018 13:25

Instrument :

BNA_F

ClientSampleId :

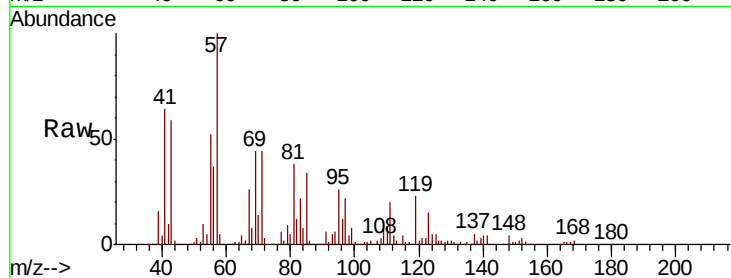
Tot Ion:122 Resp: 21070

Ion Ratio Lower Upper

122 100

105 57.2 101.1 141.1#

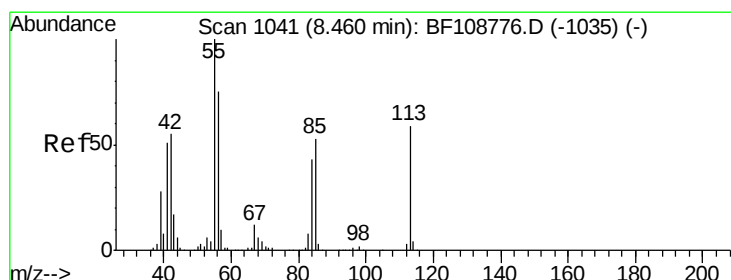
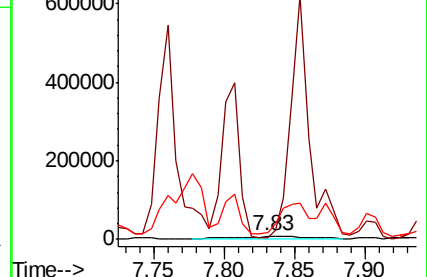
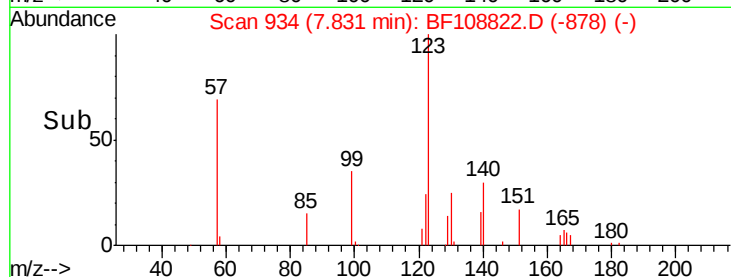
77 217.3 70.7 110.7#



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



#35

Caprolactam

Concen: 4.136 ng

RT: 8.46 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF108822.D

Acq: 6 Sep 2018 13:25

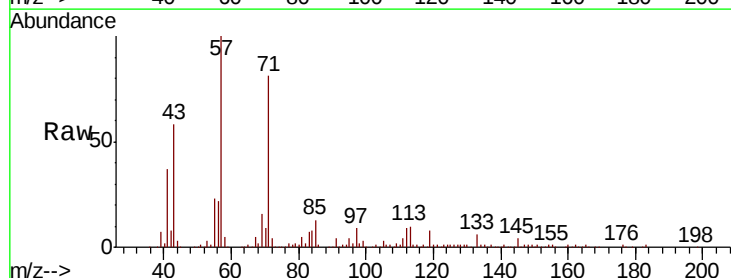
Tgt Ion:113 Resp: 16528

Ion Ratio Lower Upper

113 100

55 227.6 163.3 203.3#

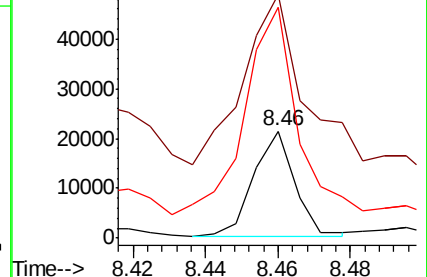
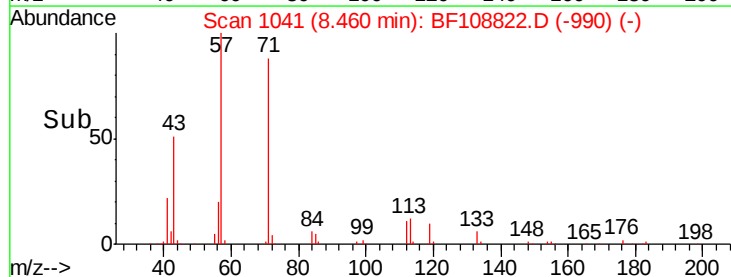
56 215.3 115.7 155.7#

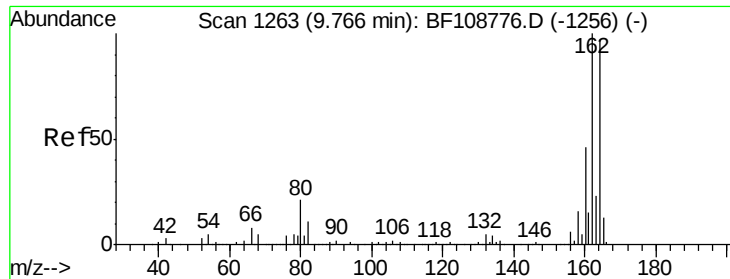


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

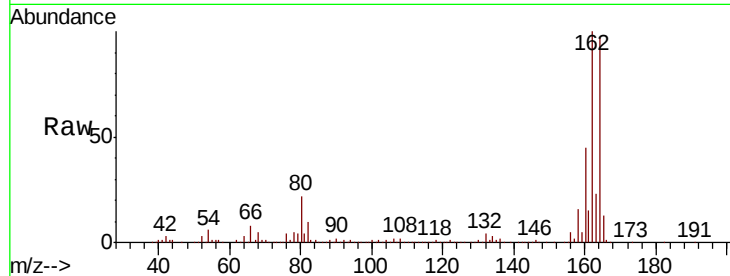




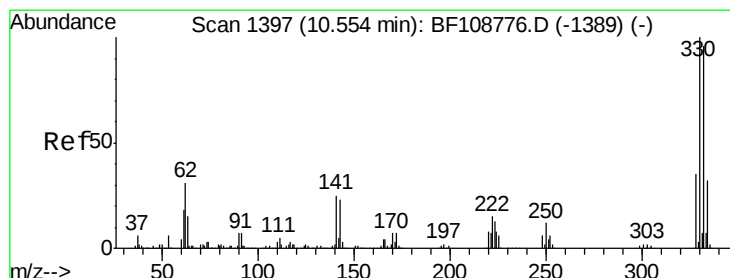
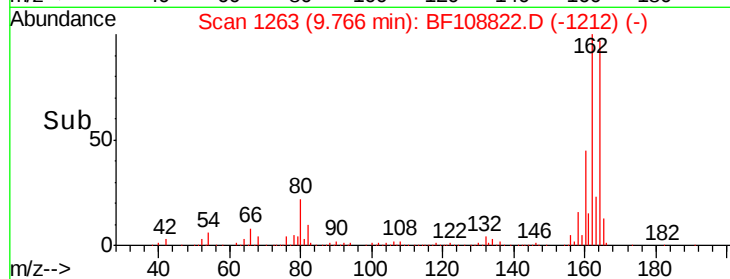
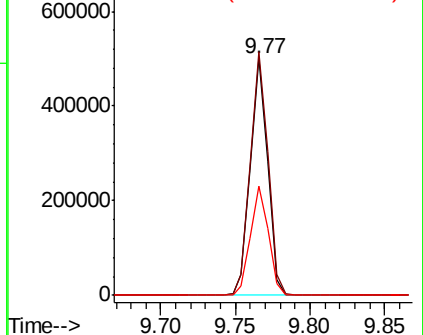
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BF108822.D
 Acq: 6 Sep 2018 13:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.9	86.1	129.1
160	46.2	38.3	57.5

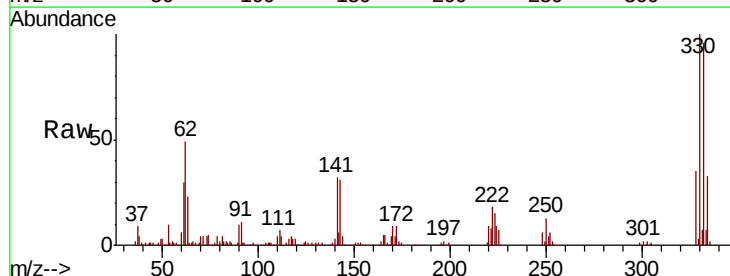


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

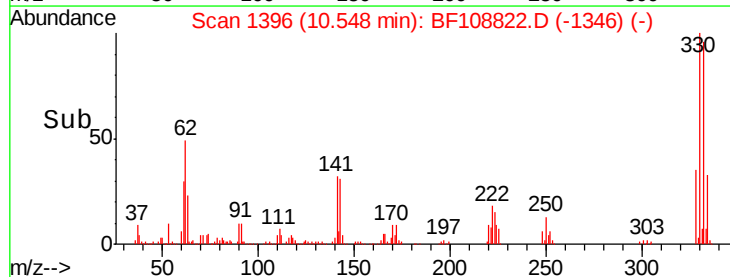
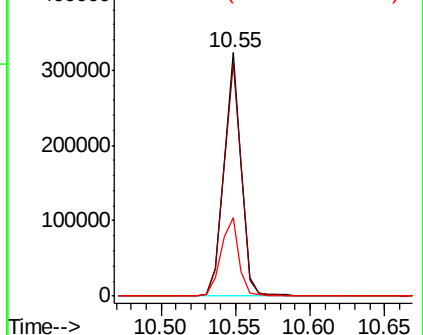


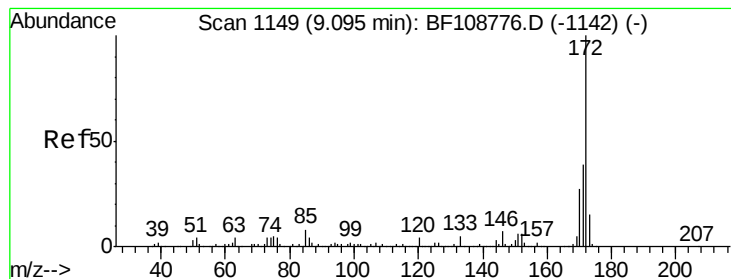
#41
 2,4,6-Tribromophenol
 Concen: 69.819 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108822.D
 Acq: 6 Sep 2018 13:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	34.0	29.9	44.9



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

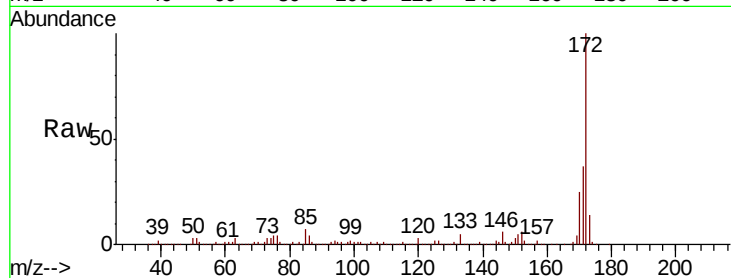




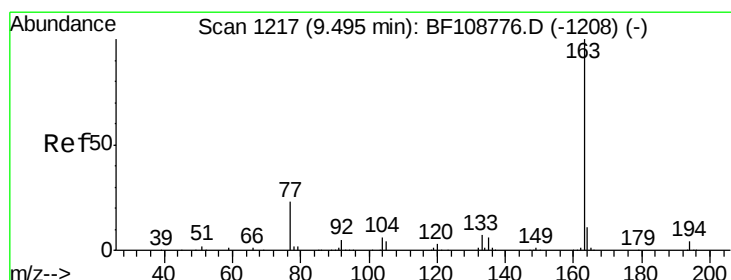
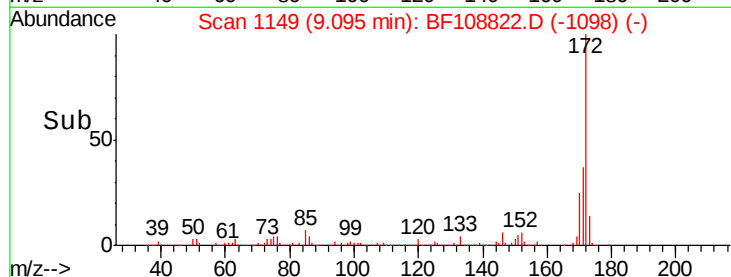
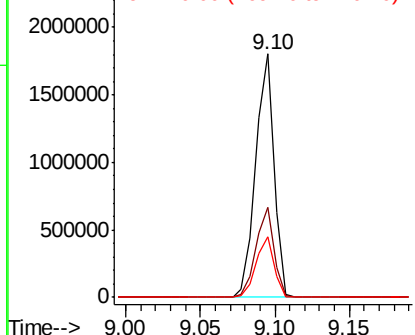
#44
2-Fluorobiphenyl
Concen: 64.907 ng
RT: 9.10 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF108822.D
Acq: 6 Sep 2018 13:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1520398
Ion Ratio Lower Upper
172 100
171 37.1 29.7 44.5
170 24.8 19.6 29.4

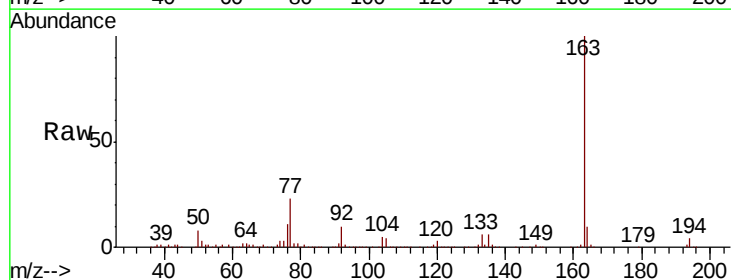


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

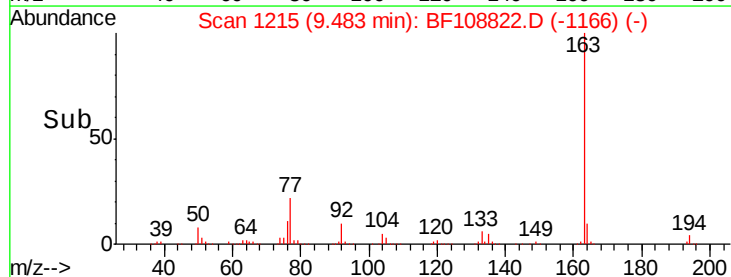
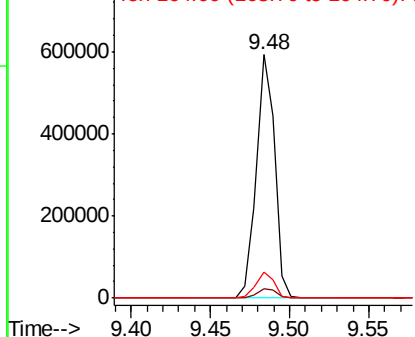


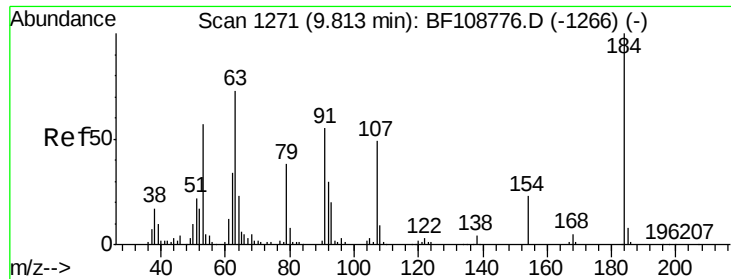
#49
Dimethylphthalate
Concen: 17.016 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108822.D
Acq: 6 Sep 2018 13:25

Tgt Ion:163 Resp: 475588
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.5 8.2 12.2



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

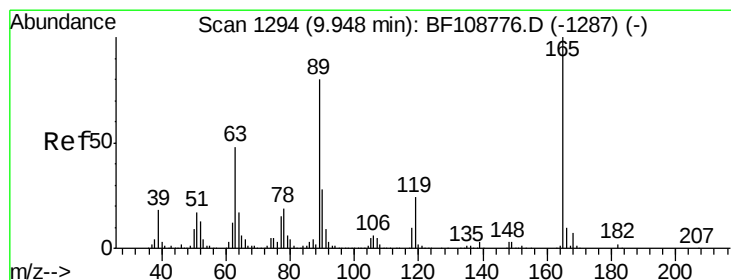
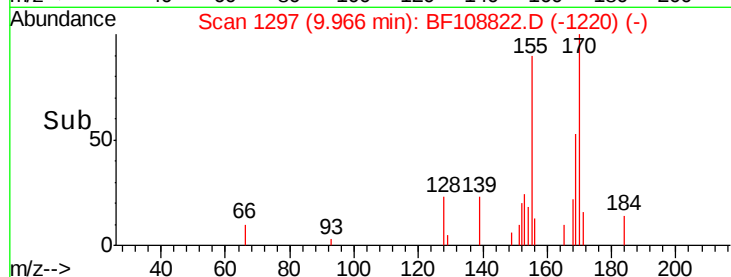
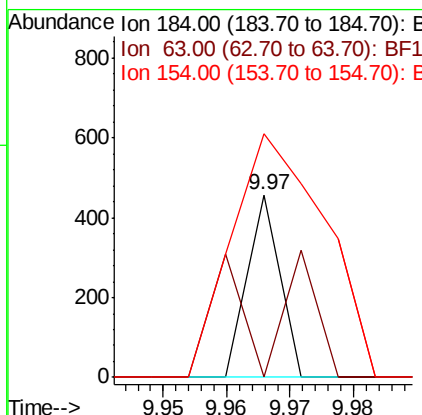
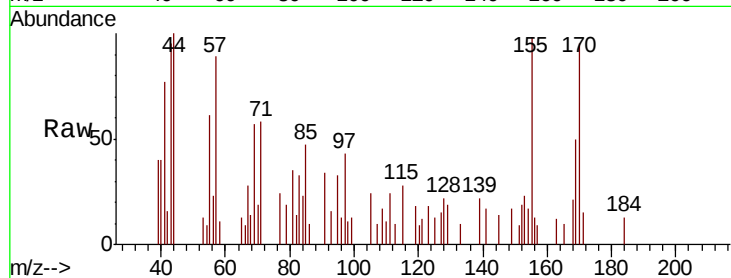




#53
2,4-Dinitrophenol
Concen: 9.372 ng
RT: 9.97 min Scan# 1297
Delta R.T. 0.15 min
Lab File: BF108822.D
Acq: 6 Sep 2018 13:25

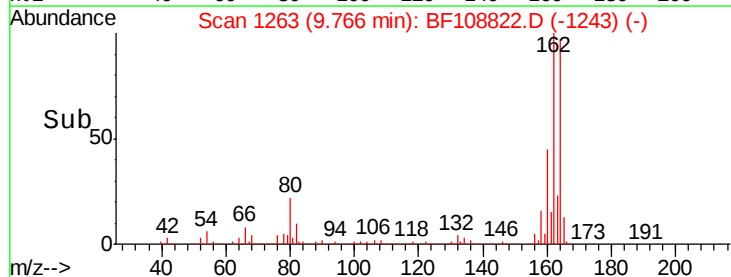
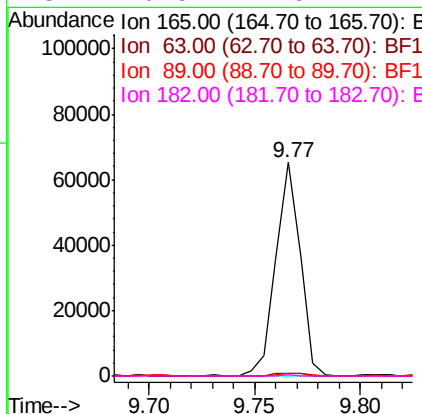
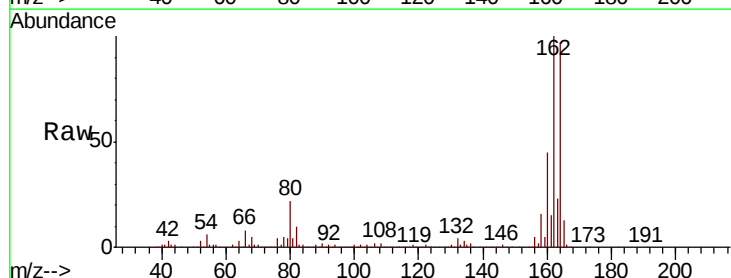
Instrument :
BNA_F
ClientSampleId :

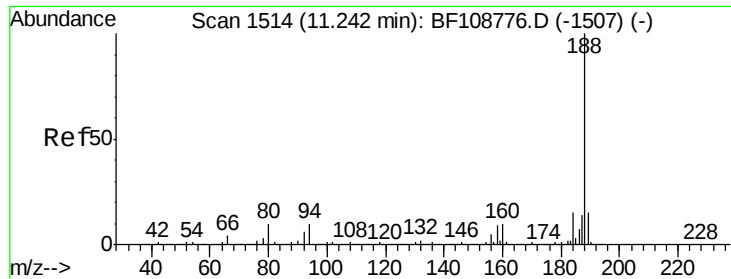
Tot Ion:184 Resp: 161
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 133.5 184.0 276.0#



#56
2,4-Dinitrotoluene
Concen: 7.734 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.18 min
Lab File: BF108822.D
Acq: 6 Sep 2018 13:25

Tgt Ion:165 Resp: 52677
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.4 57.8 86.6#
182 0.5 1.6 2.4#

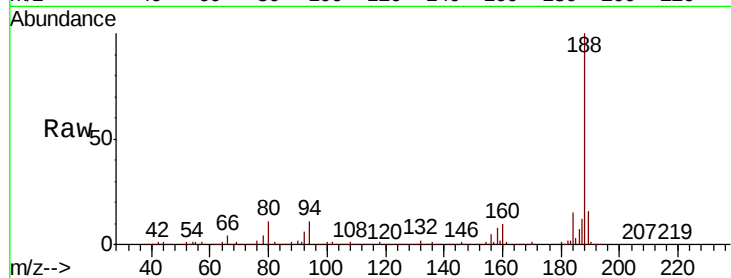




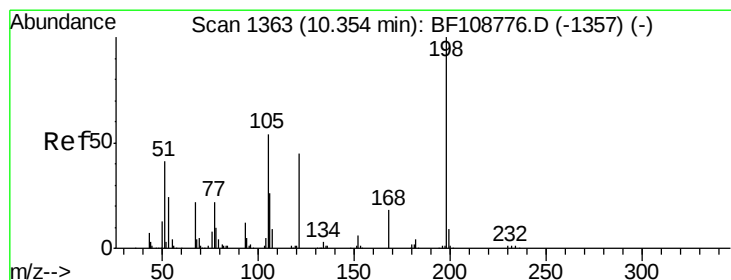
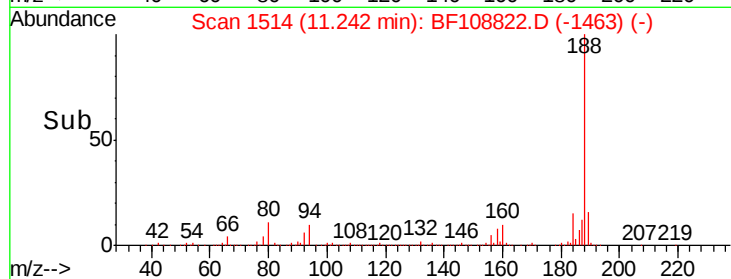
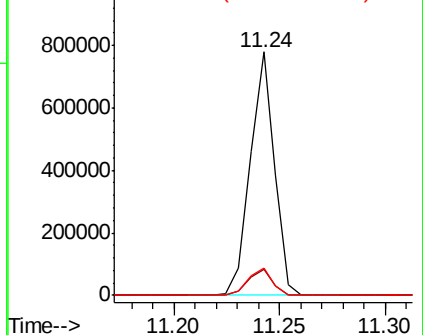
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: BF108822.D
 Acq: 6 Sep 2018 13:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 619364
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.5 12.7
 80 11.2 9.2 13.8

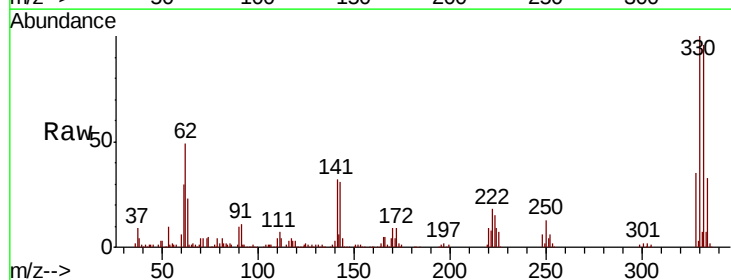


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

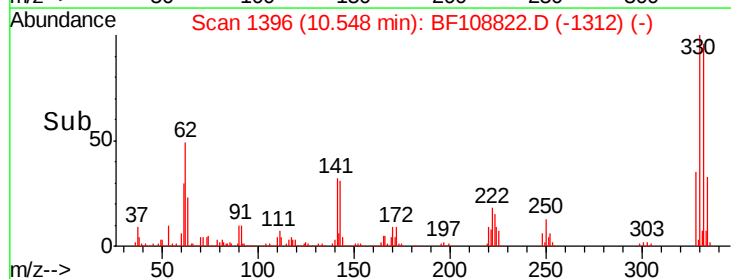
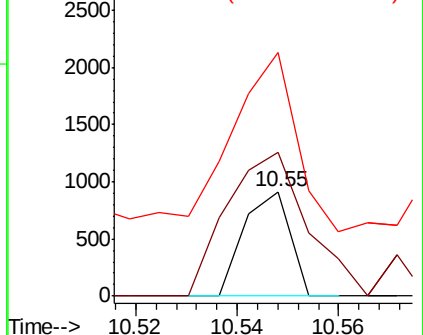


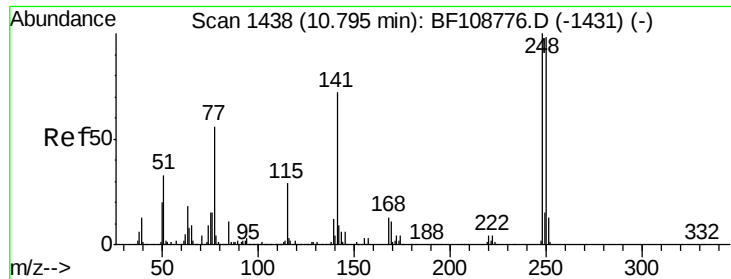
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.071 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. 0.19 min
 Lab File: BF108822.D
 Acq: 6 Sep 2018 13:25

Tgt Ion:198 Resp: 577
 Ion Ratio Lower Upper
 198 100
 51 138.3 37.7 77.7#
 105 233.8 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

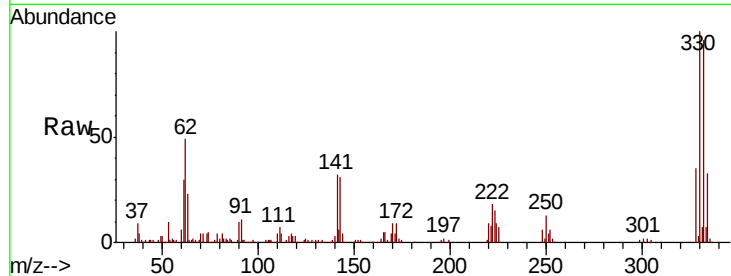




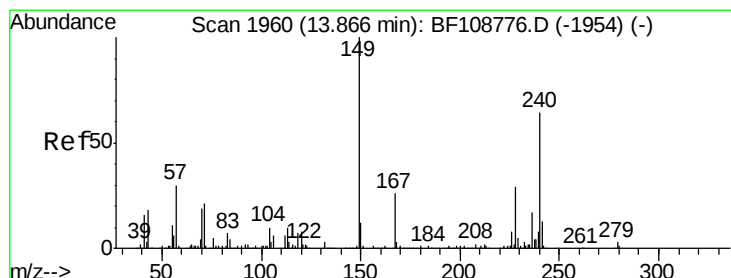
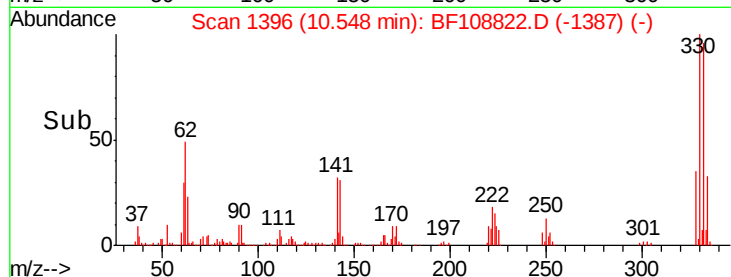
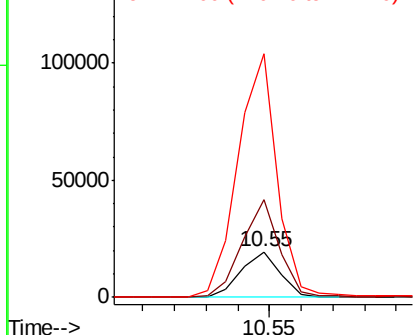
#66
4-Bromophenyl-phenylether
Concen: 2.358 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.25 min
Lab File: BF108822.D
Acq: 6 Sep 2018 13:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 16495
Ion Ratio Lower Upper
248 100
250 214.5 76.9 115.3#
141 531.4 74.4 111.6#

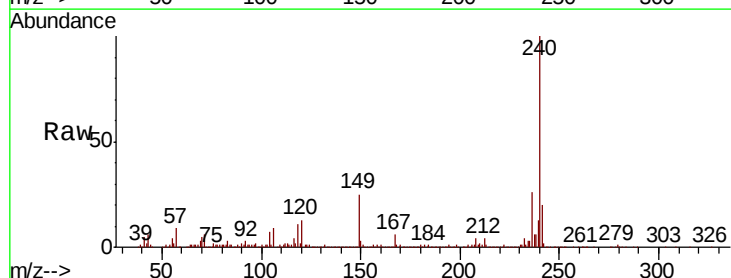


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

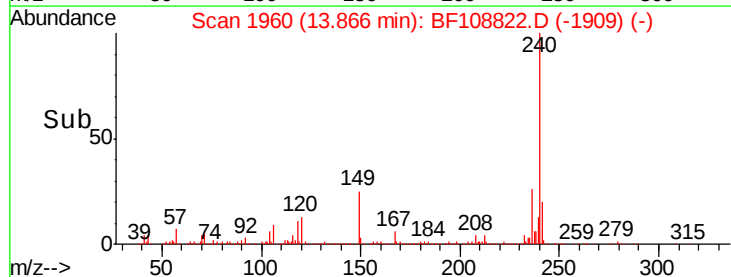
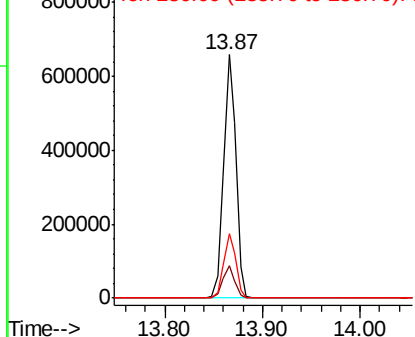


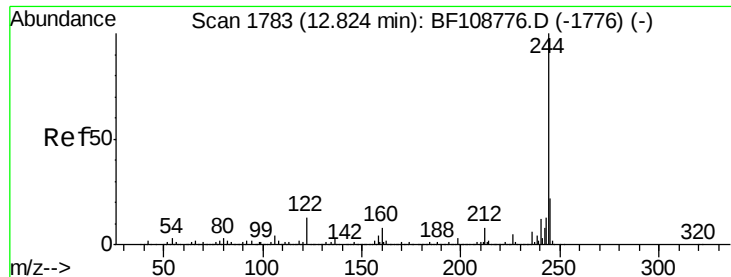
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BF108822.D
Acq: 6 Sep 2018 13:25

Tgt Ion:240 Resp: 574390
Ion Ratio Lower Upper
240 100
120 13.1 9.5 14.3
236 26.4 20.7 31.1



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



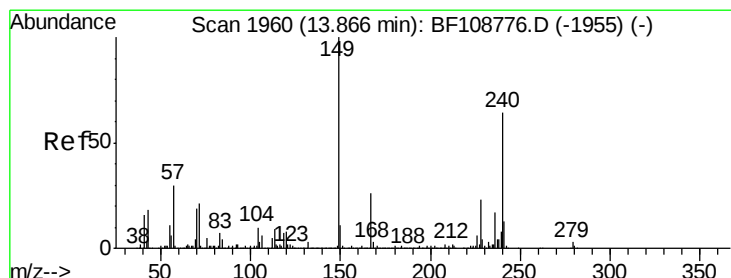
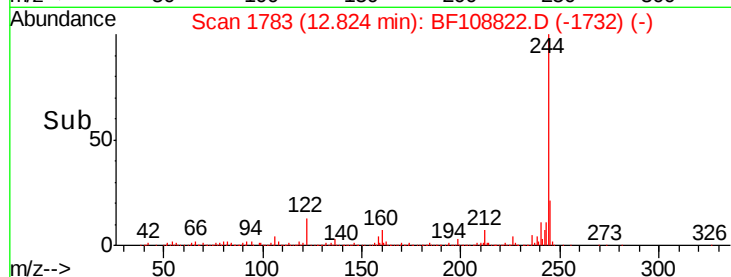
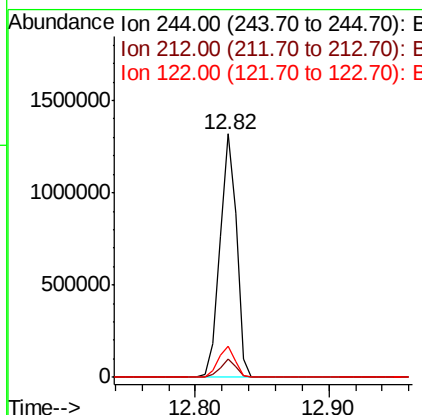
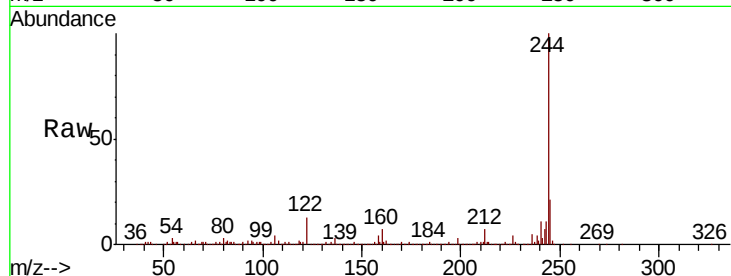


#78
 Terphenyl-d14
 Concen: 47.182 ng
 RT: 12.82 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BF108822.D
 Acq: 6 Sep 2018 13:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1162185

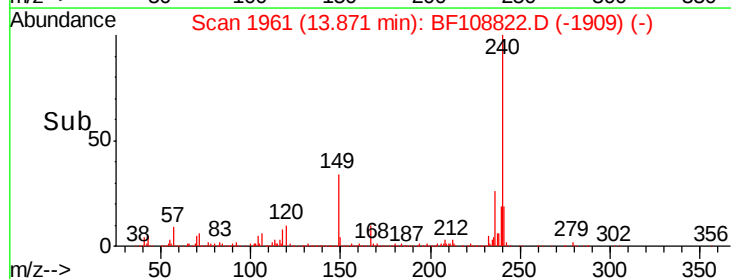
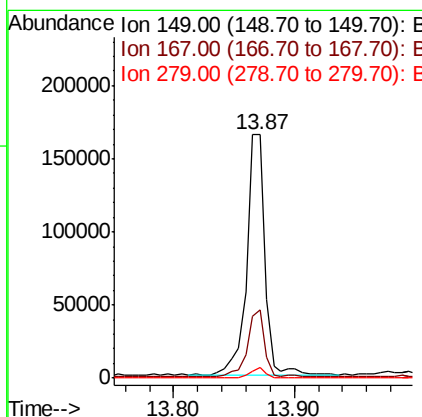
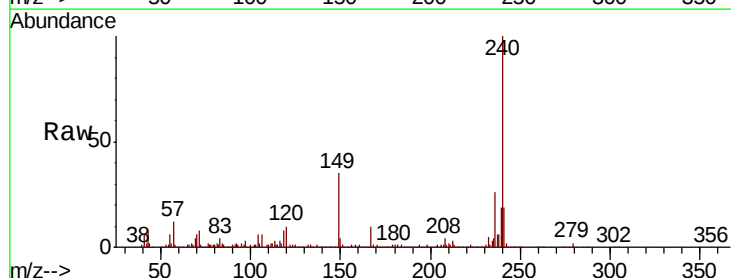
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	12.7	11.0	16.4

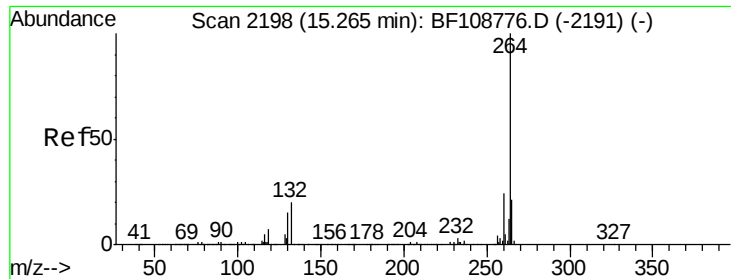


#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.945 ng
 RT: 13.87 min Scan# 1961
 Delta R.T. 0.01 min
 Lab File: BF108822.D
 Acq: 6 Sep 2018 13:25

Tgt Ion:149 Resp: 173710

Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.3	31.9
279	4.4	3.0	4.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF108822.D
Acq: 6 Sep 2018 13:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.4	17.5	26.3

