

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107809.D
 Acq On : 30 Jul 2018 19:26
 Operator : JU/SJ
 Sample : J4200-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 31 01:03:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	197090	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	738122	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	188673	20.00	ng	0.02
63) Phenanthrene-d10	11.51	188	538824	20.00	ng	0.00
75) Chrysene-d12	14.17	240	294482	20.00	ng	0.01
86) Perylene-d12	15.72	264	303683	20.00	ng	0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	578243	49.86	ng	0.00
7) Phenol-d6	6.61	99	481726	31.52	ng	0.00
23) Nitrobenzene-d5	7.53	82	1064770	83.11	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	432252	168.61	ng	0.04
44) 2-Fluorobiphenyl	9.32	172	1714964	126.66	ng	0.00
78) Terphenyl-d14	13.09	244	1197037	88.14	ng	0.00

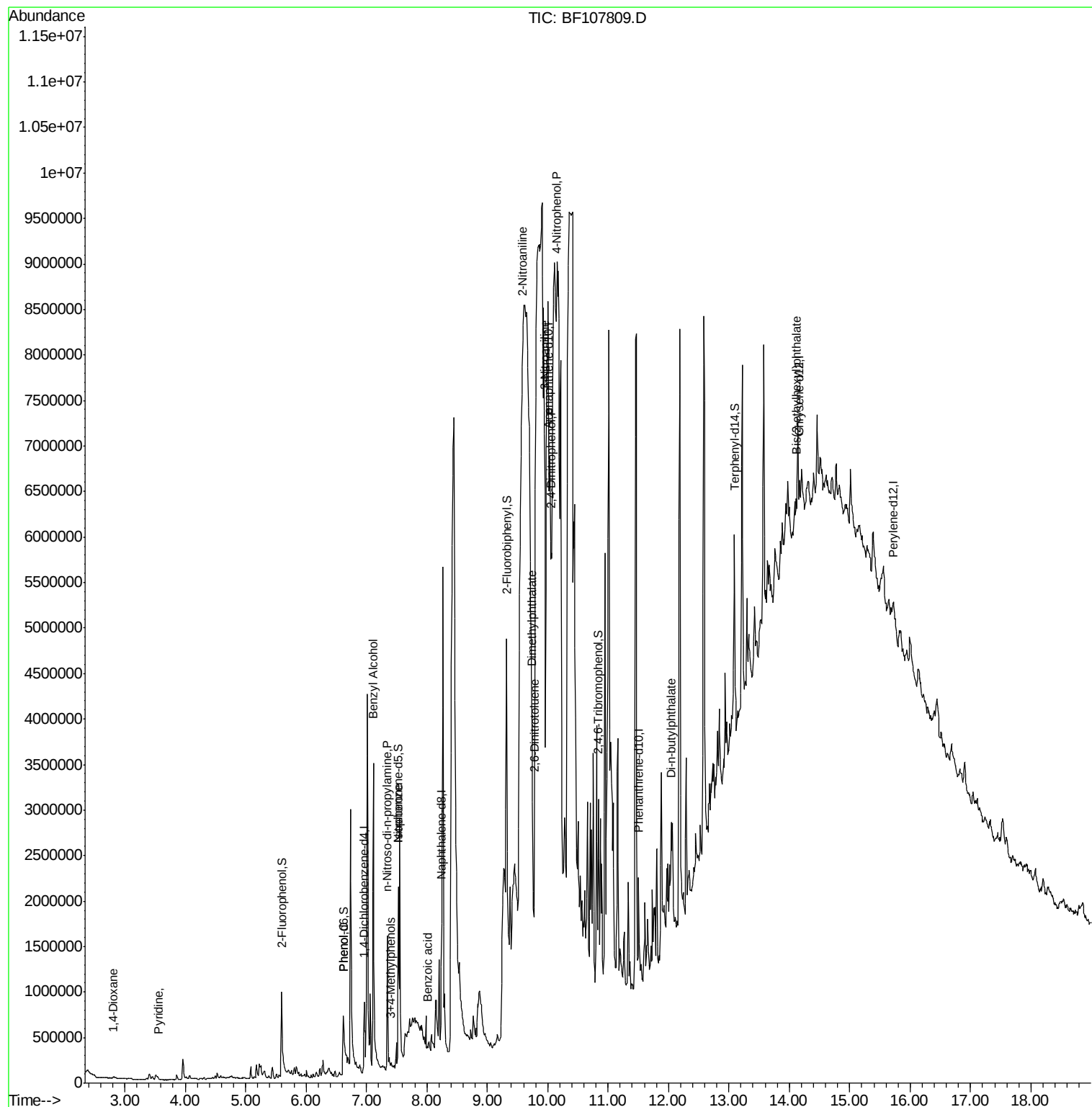
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.80	88	3918	6.427	ng	# 1
3) Pyridine	3.57	79	113	6.261	ng	# 1
10) Phenol	6.62	94	236733	12.989	ng	90
15) Benzyl Alcohol	7.11	79	27649	2.911	ng	# 85
19) n-Nitroso-di-n-propylamine	7.35	70	31134	3.211	ng	# 77
20) 3+4-Methylphenols	7.41	107	27731	2.100	ng	# 76
25) Isophorone	7.53	82	1059314	50.368	ng	# 64
32) Benzoic acid	8.01	122	3649	2.094	ng	# 55
47) 2-Nitroaniline	9.58	65	25969	6.166	ng	# 14
49) Dimethylphthalate	9.74	163	197188	13.916	ng	99
50) 2,6-Dinitrotoluene	9.78	165	17453	5.668	ng	# 75
52) 3-Nitroaniline	9.95	138	53744	13.851	ng	# 6
53) 2,4-Dinitrophenol	10.06	184	29082	24.469	ng	# 1
55) 4-Nitrophenol	10.14	139	121642	68.168	ng	# 61
73) Di-n-butylphthalate	12.04	149	98153	3.085	ng	# 94
83) Bis(2-ethylhexyl)phthalate	14.11	149	91745	7.859	ng	# 90

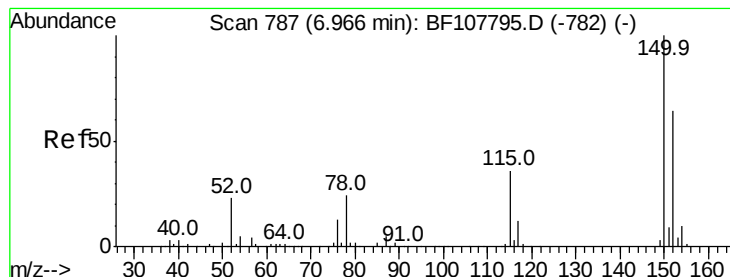
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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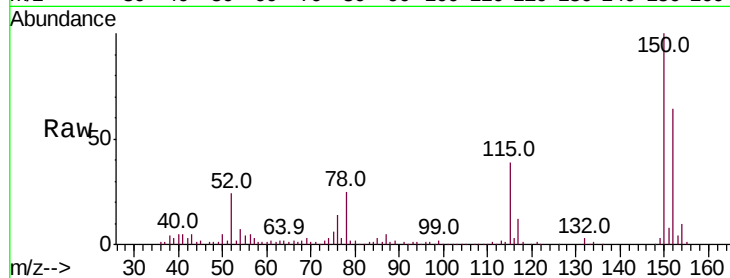


#1

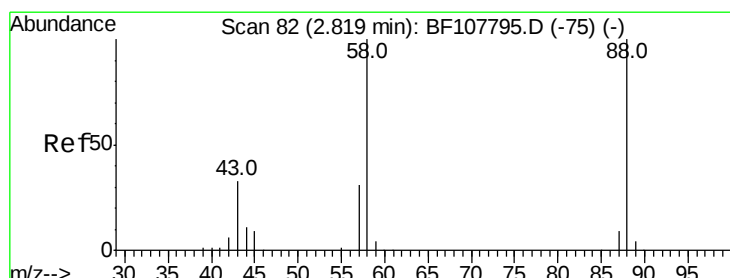
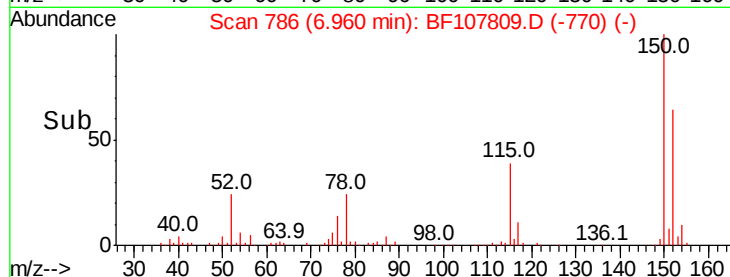
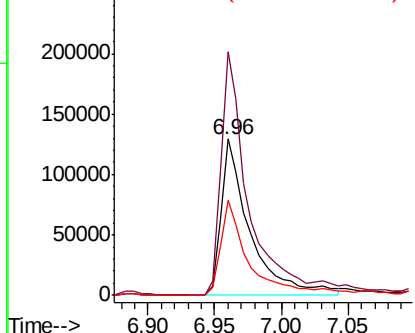
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107809.D
Acq: 30 Jul 2018 19:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	60.6	50.1	75.1



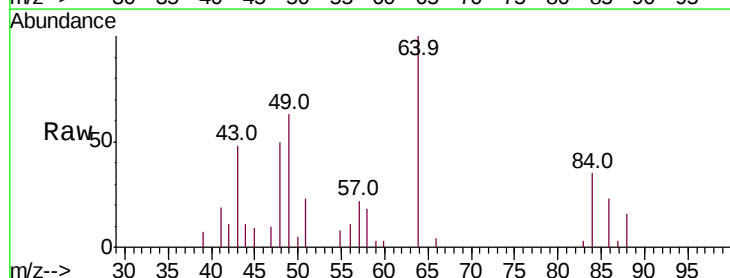
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



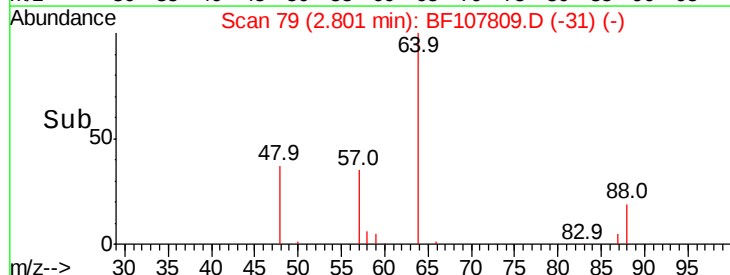
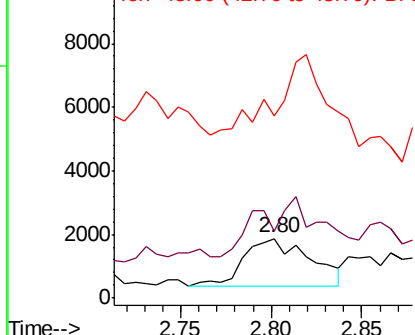
#2

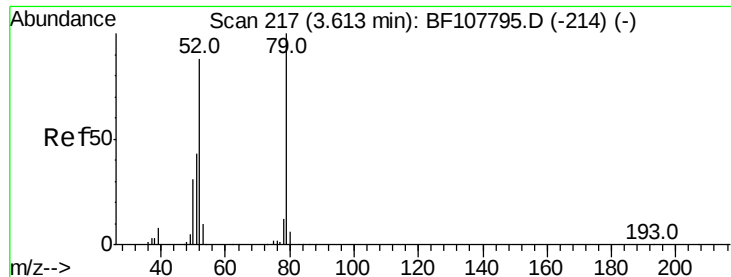
1,4-Dioxane
Concen: 6.427 ng
RT: 2.80 min Scan# 79
Delta R.T. -0.02 min
Lab File: BF107809.D
Acq: 30 Jul 2018 19:26

Tgt Ion	Ratio	Lower	Upper
88	100		
58	60.7	62.6	93.8#
43	230.6	24.6	37.0#



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





#3

Pvridine

Concen: 6.261 ng

RT: 3.57 min Scan# 209

Delta R.T. -0.05 min

Lab File: BF107809.D

Acq: 30 Jul 2018 19:26

Instrument :

BNA_F

ClientSampleId :

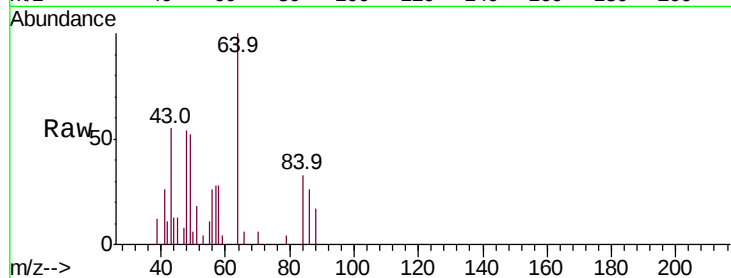
Tot Ion: 79 Resp: 113

Ion Ratio Lower Upper

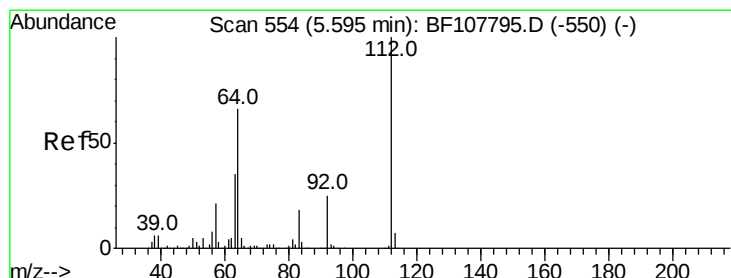
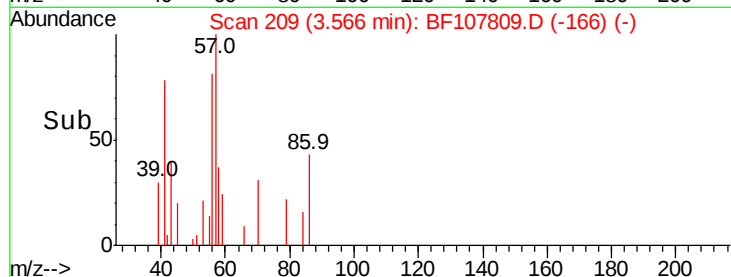
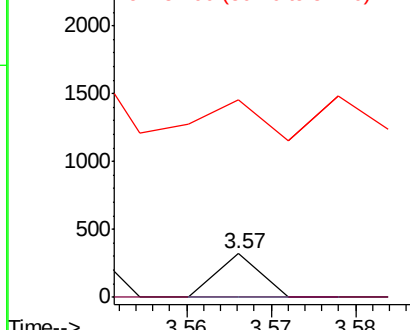
79 100

52 0.0 59.8 89.6#

51 453.0 29.8 44.8#



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: 49.863 ng

RT: 5.60 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF107809.D

Acq: 30 Jul 2018 19:26

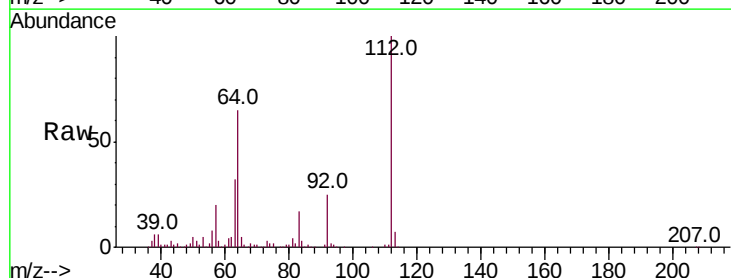
Tgt Ion: 112 Resp: 578243

Ion Ratio Lower Upper

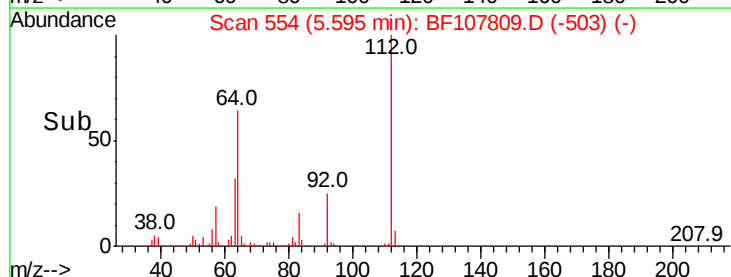
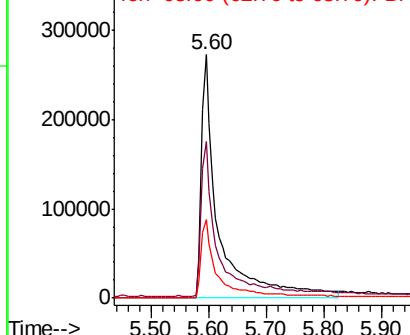
112 100

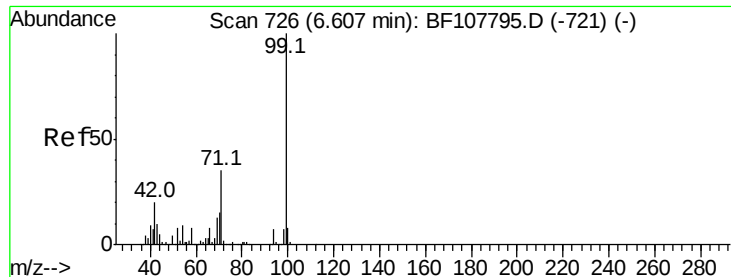
64 64.5 47.9 71.9

63 32.4 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: 31.519 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF107809.D

Acq: 30 Jul 2018 19:26

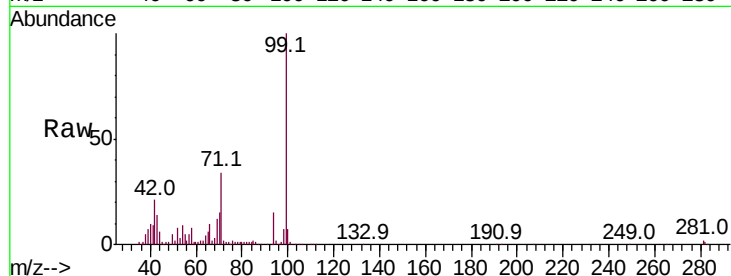
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 481726

Ion	Ratio	Lower	Upper
99	100		
42	21.2	14.5	21.7
71	33.6	25.4	38.0

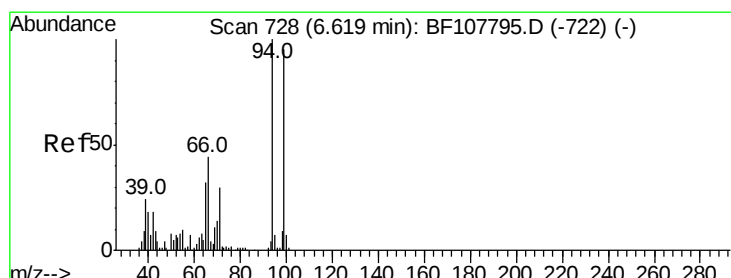
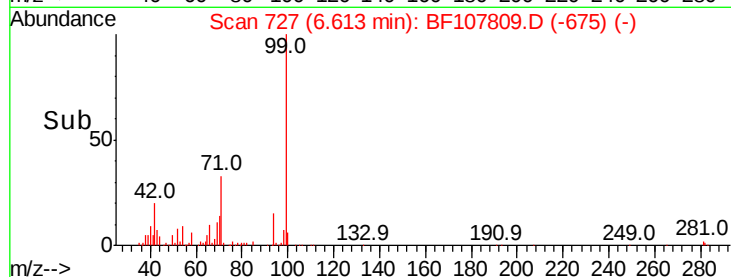


Abundance

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



#10

Phenol

Concen: 12.989 ng

RT: 6.62 min Scan# 729

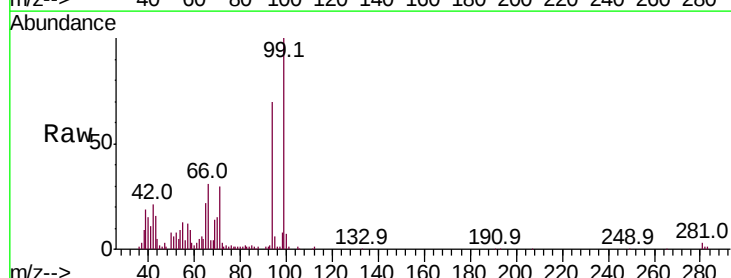
Delta R.T. 0.01 min

Lab File: BF107809.D

Acq: 30 Jul 2018 19:26

Tgt Ion: 94 Resp: 236733

Ion	Ratio	Lower	Upper
94	100		
65	31.3	7.9	47.9
66	44.2	16.2	56.2

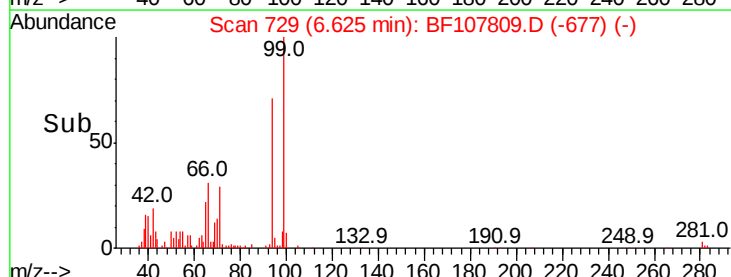


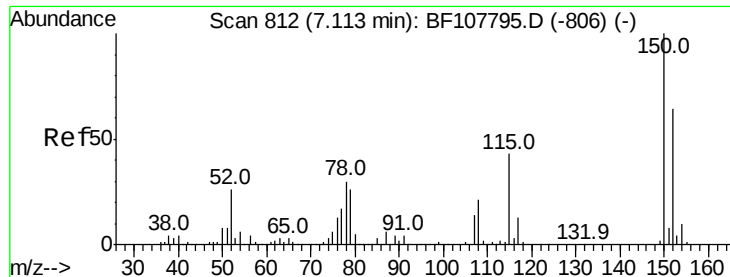
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

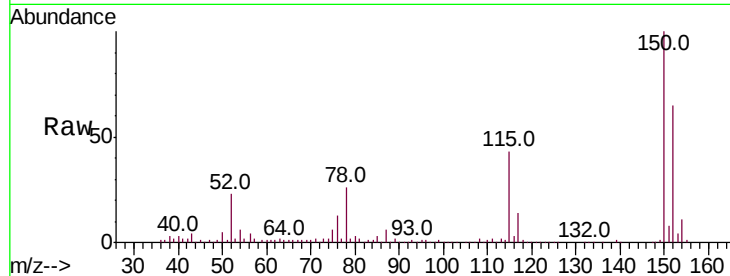




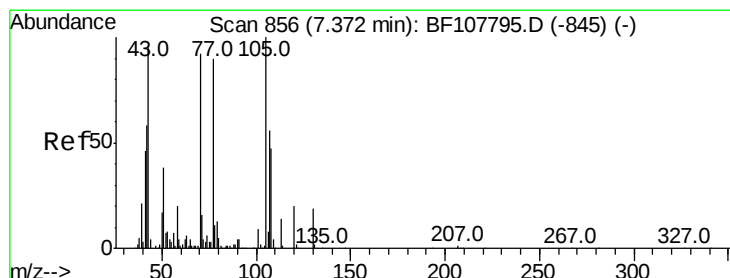
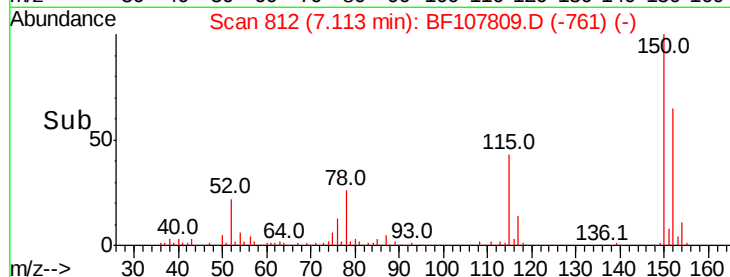
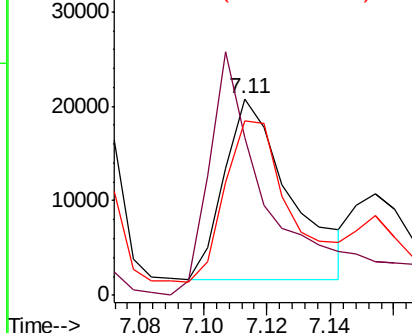
#15
Benzyl Alcohol
Concen: 2.911 ng
RT: 7.11 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF107809.D
Acq: 30 Jul 2018 19:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 79 Resp: 27649
Ion Ratio Lower Upper
79 100
108 80.5 65.1 97.7
77 89.0 50.6 75.8#

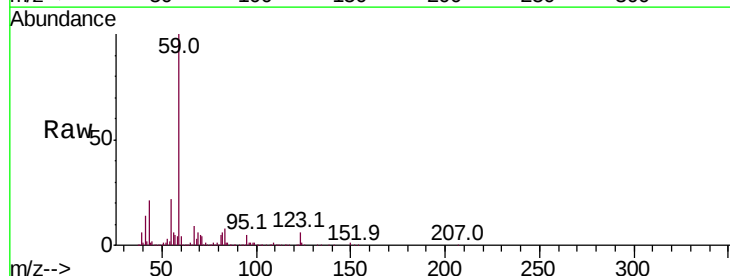


Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

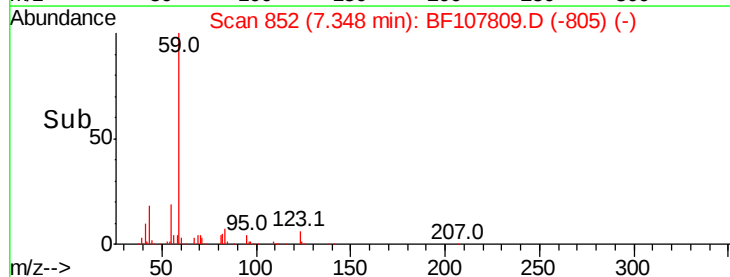
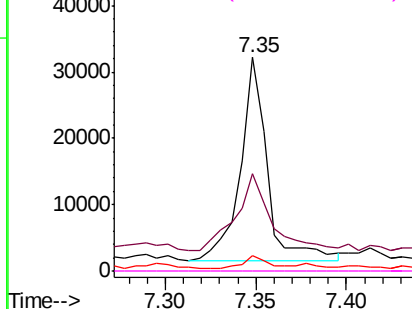


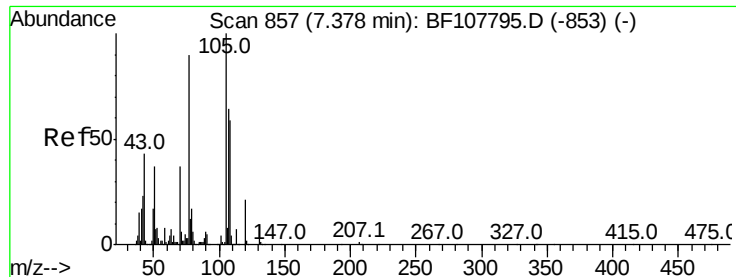
#19
n-Nitroso-di-n-propylamine
Concen: 3.211 ng
RT: 7.35 min Scan# 852
Delta R.T. -0.02 min
Lab File: BF107809.D
Acq: 30 Jul 2018 19:26

Tgt Ion: 70 Resp: 31134
Ion Ratio Lower Upper
70 100
42 45.8 47.5 71.3#
101 6.9 7.4 11.2#
130 0.0 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

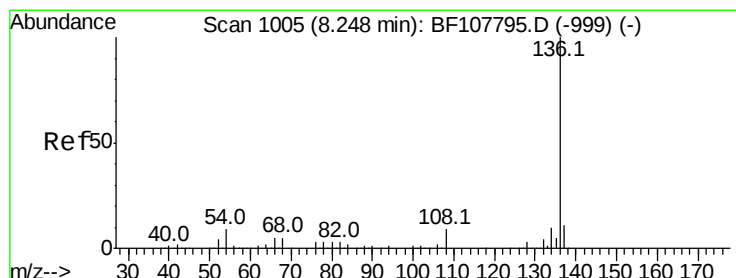
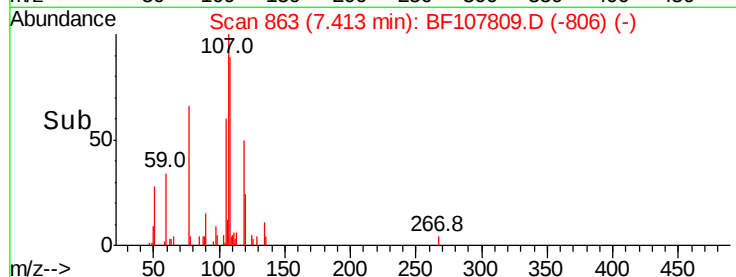
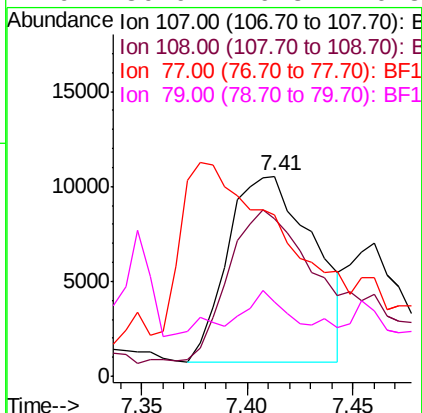
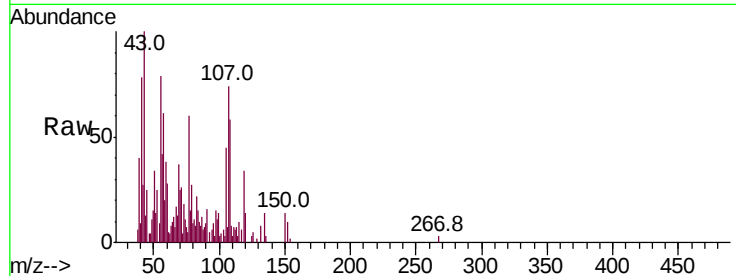




#20
3+4-Methylphenols
Concen: 2.100 ng
RT: 7.41 min Scan# 863
Delta R.T. 0.04 min
Lab File: BF107809.D
Acq: 30 Jul 2018 19:26

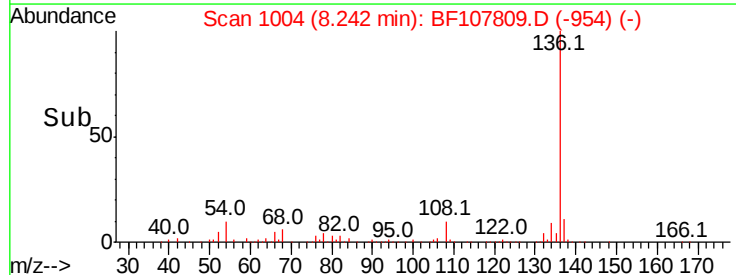
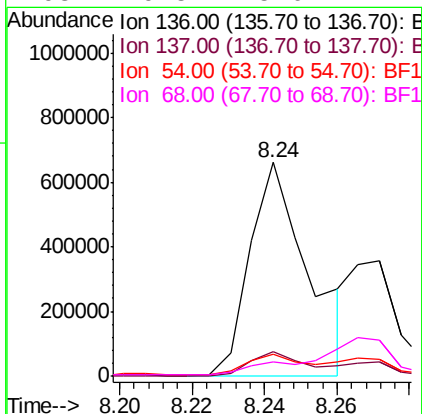
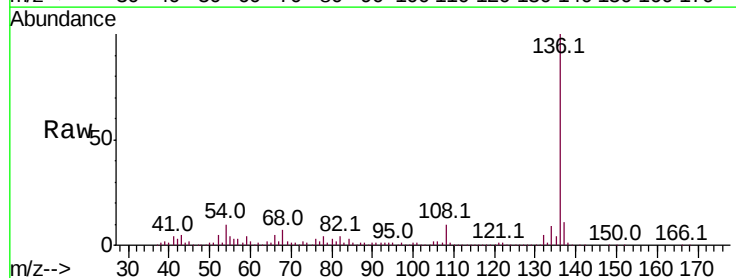
Instrument :
BNA_F
ClientSampleId :

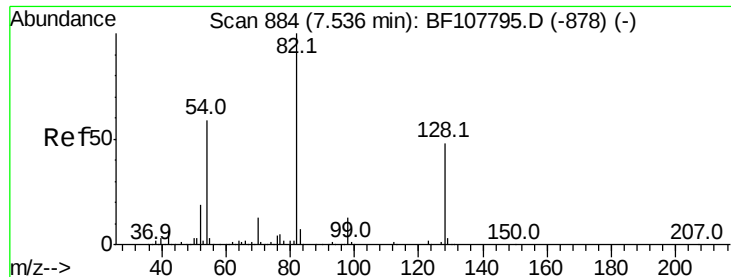
Tot Ion:107 Resp: 27731
Ion Ratio Lower Upper
107 100
108 78.5 68.2 108.2
77 80.4 26.7 66.7#
79 36.9 6.3 46.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107809.D
Acq: 30 Jul 2018 19:26

Tgt Ion:136 Resp: 738122
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 10.1 6.6 9.8#
68 6.5 5.0 7.4

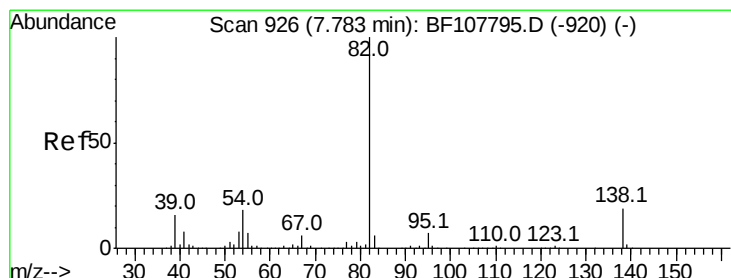
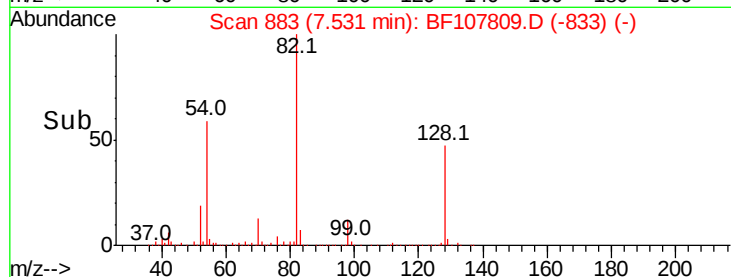
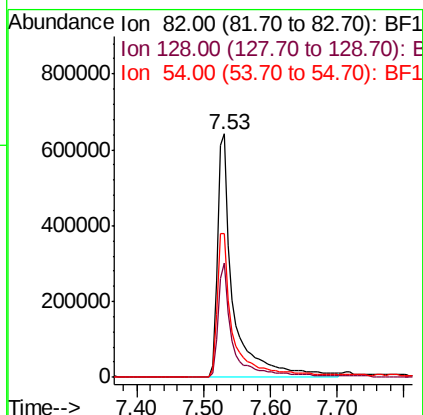
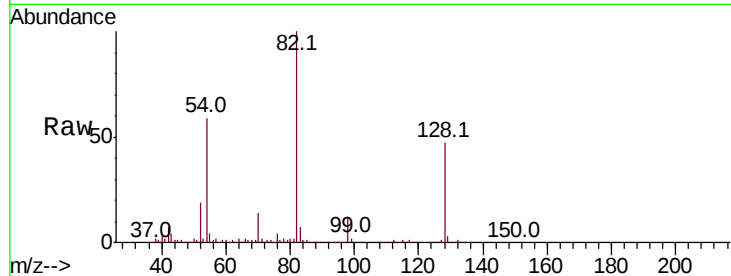




#23
 Nitrobenzene-d5
 Concen: 83.105 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF107809.D
 Acq: 30 Jul 2018 19:26

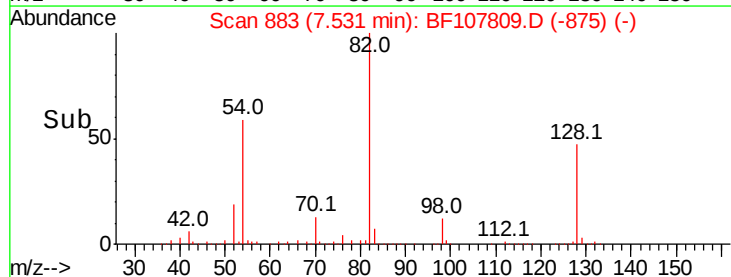
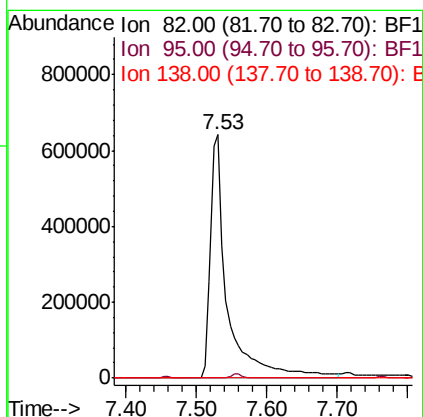
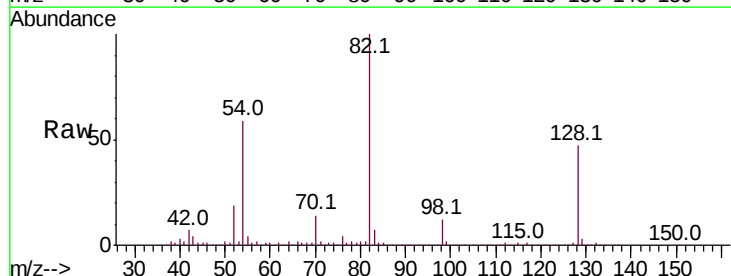
Instrument :
 BNA_F
 ClientSampleId :

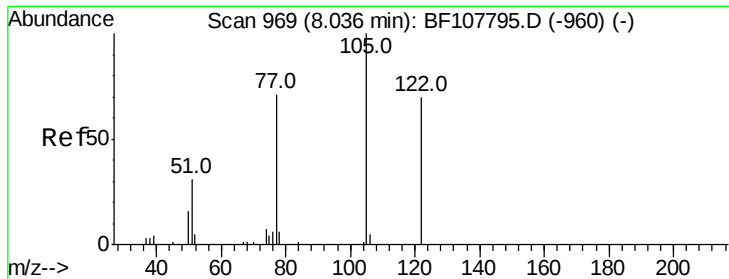
Tot Ion: 82 Resp: 1064770
 Ion Ratio Lower Upper
 82 100
 128 46.7 36.1 54.1
 54 59.1 41.4 62.2



#25
 Isophorone
 Concen: 50.368 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.25 min
 Lab File: BF107809.D
 Acq: 30 Jul 2018 19:26

Tgt Ion: 82 Resp: 1059314
 Ion Ratio Lower Upper
 82 100
 95 0.2 5.2 7.8#
 138 0.0 14.9 22.3#





#32

Benzoic acid

Concen: 2.094 ng

RT: 8.01 min Scan# 964

Delta R.T. -0.03 min

Lab File: BF107809.D

Acq: 30 Jul 2018 19:26

Instrument :

BNA_F

ClientSampleId :

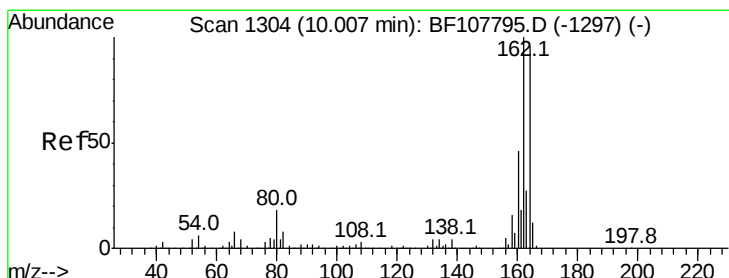
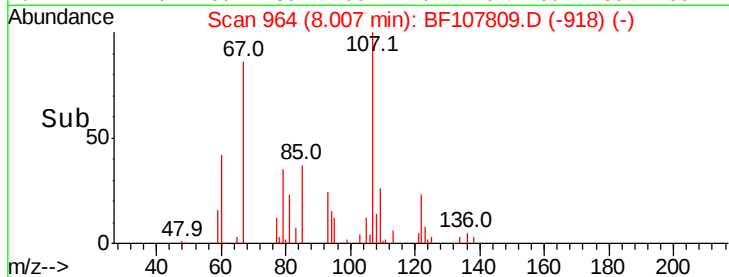
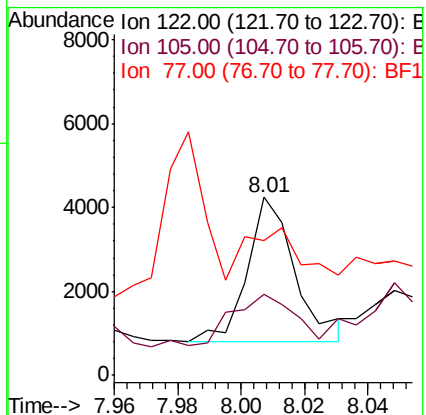
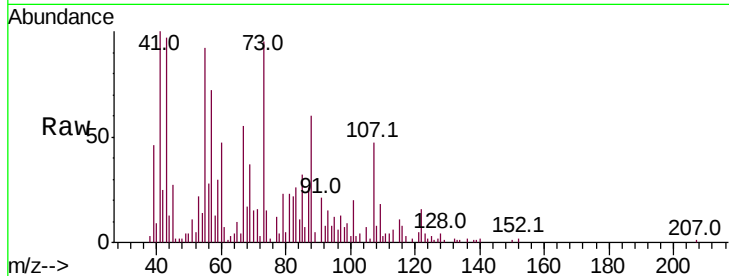
Tot Ion:122 Resp: 3649

Ion Ratio Lower Upper

122 100

105 45.5 101.1 141.1#

77 75.6 70.7 110.7



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1307

Delta R.T. 0.02 min

Lab File: BF107809.D

Acq: 30 Jul 2018 19:26

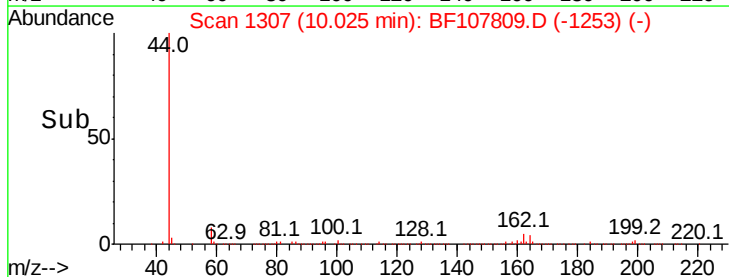
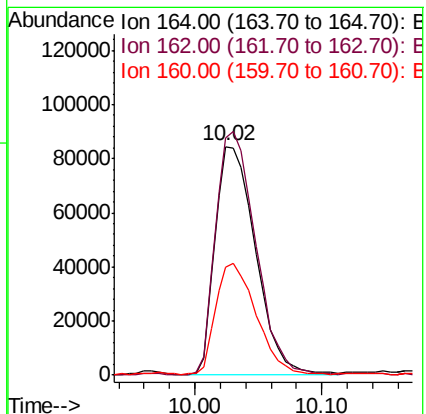
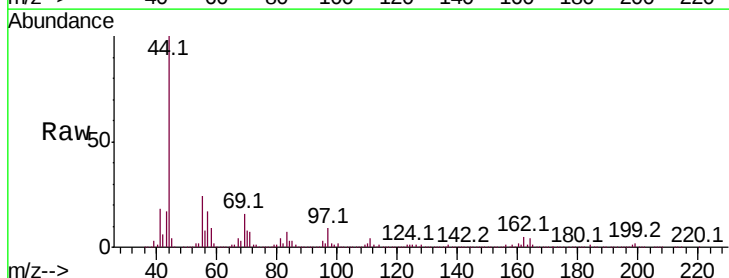
Tgt Ion:164 Resp: 188673

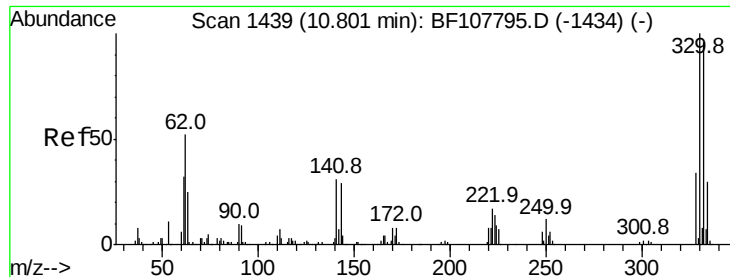
Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

160 47.1 38.3 57.5

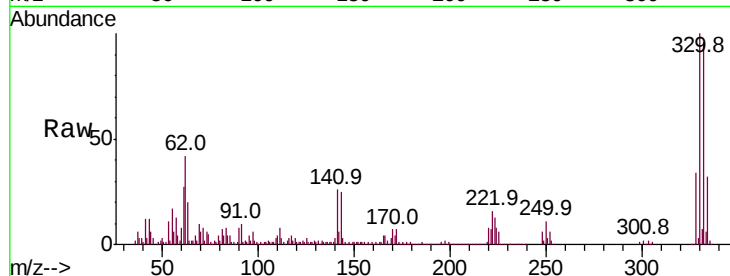




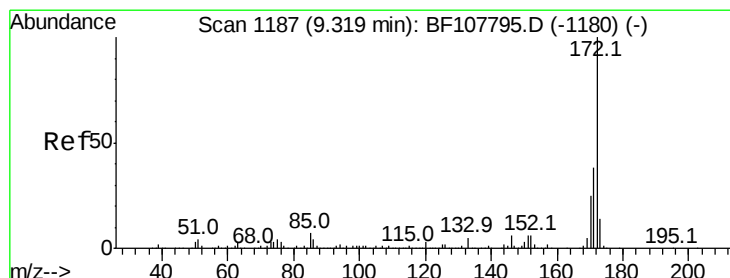
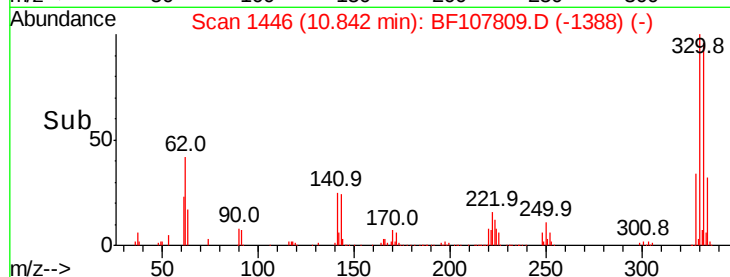
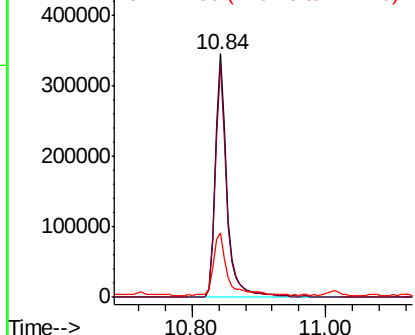
#41
 2,4,6-Tribromophenol
 Concen: 168.606 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. 0.04 min
 Lab File: BF107809.D
 Acq: 30 Jul 2018 19:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 432252
 Ion Ratio Lower Upper
 330 100
 332 93.5 77.0 115.6
 141 29.8 29.9 44.9#

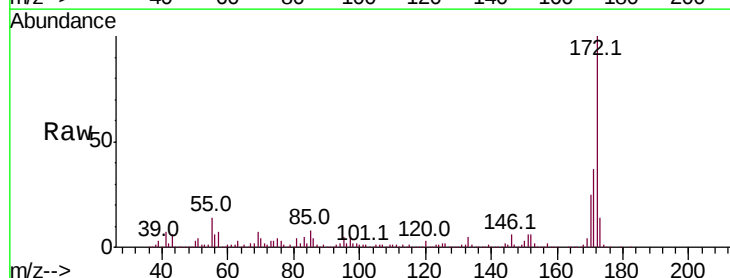


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

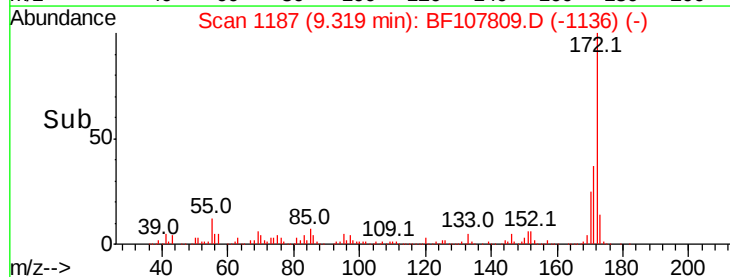
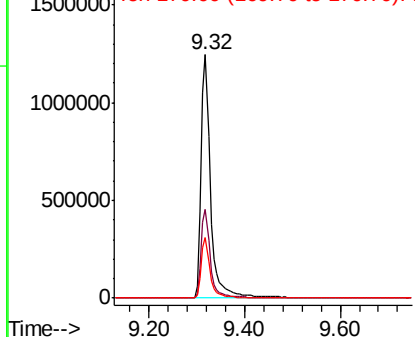


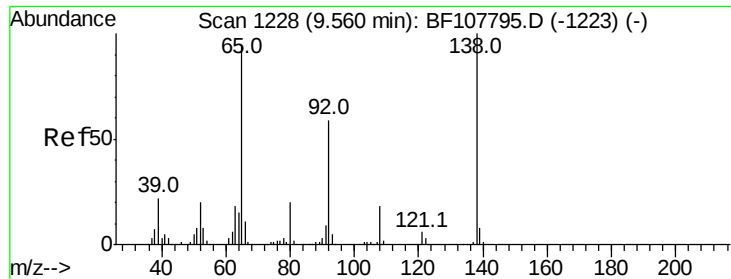
#44
 2-Fluorobiphenyl
 Concen: 126.663 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: BF107809.D
 Acq: 30 Jul 2018 19:26

Tgt Ion:172 Resp: 1714964
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 24.9 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





#47

2-Nitroaniline

Concen: 6.166 ng

RT: 9.58 min Scan# 1232

Delta R.T. 0.02 min

Lab File: BF107809.D

Acq: 30 Jul 2018 19:26

Instrument :

BNA_F

ClientSampleId :

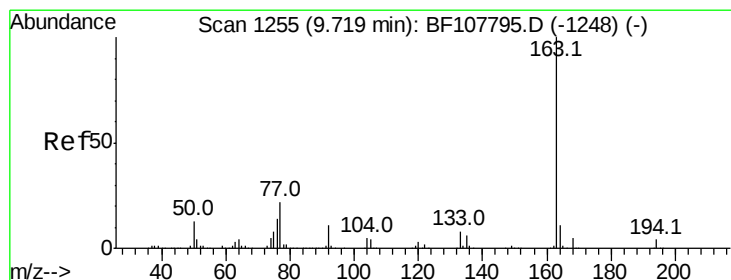
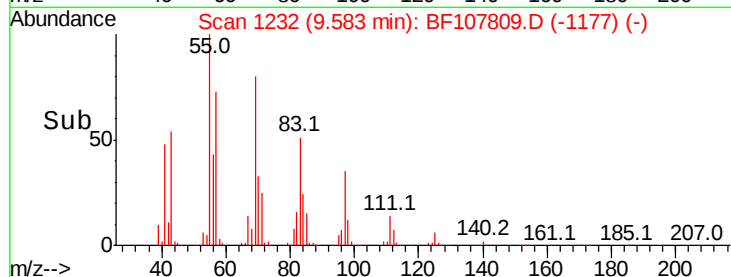
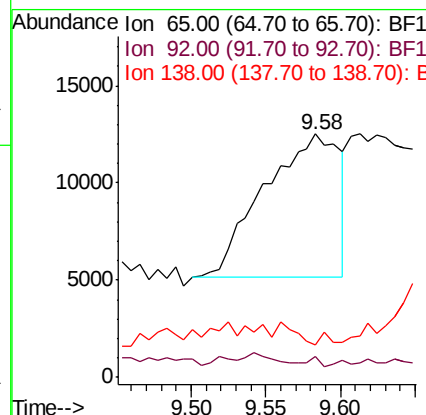
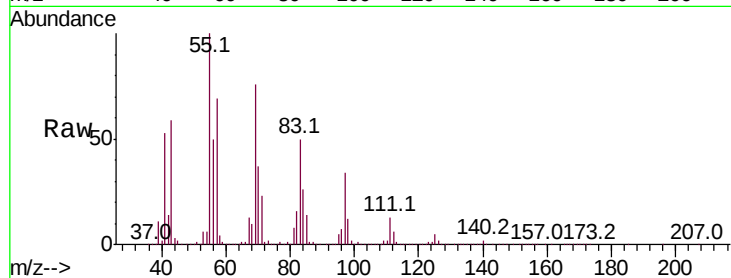
Tot Ion: 65 Resp: 25969

Ion Ratio Lower Upper

65 100

92 8.6 55.8 83.6#

138 13.6 91.2 136.8#



#49

Dimethylphthalate

Concen: 13.916 ng

RT: 9.74 min Scan# 1259

Delta R.T. 0.02 min

Lab File: BF107809.D

Acq: 30 Jul 2018 19:26

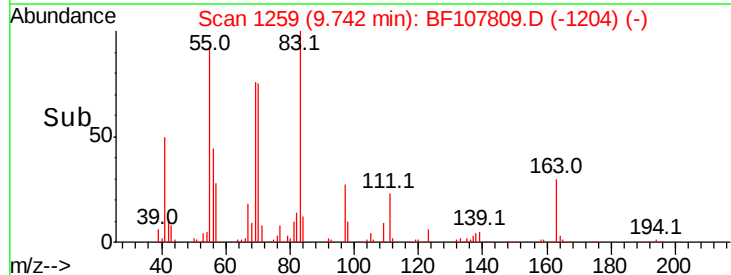
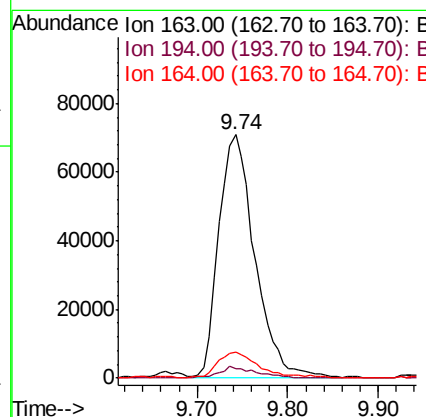
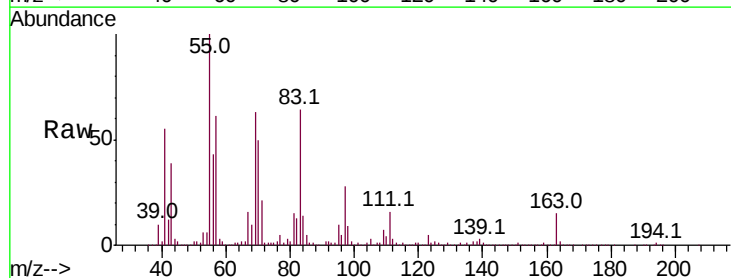
Tgt Ion:163 Resp: 197188

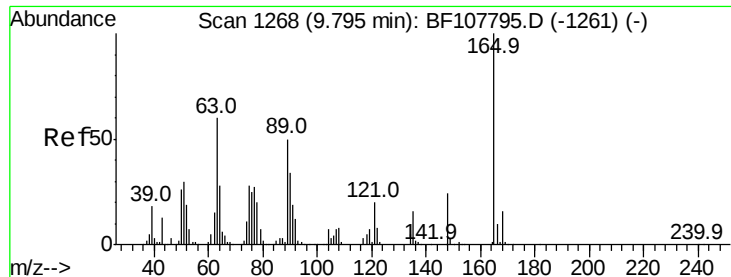
Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

164 10.7 8.2 12.2

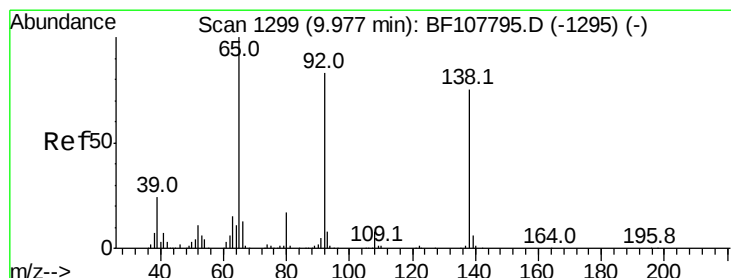
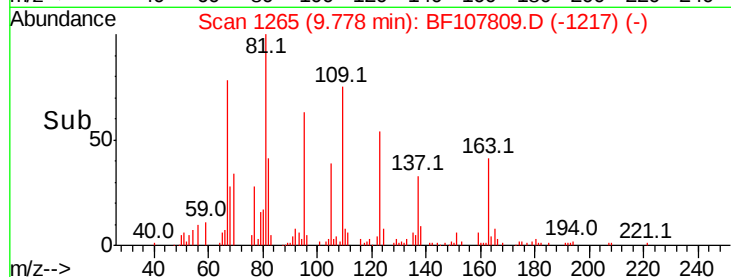
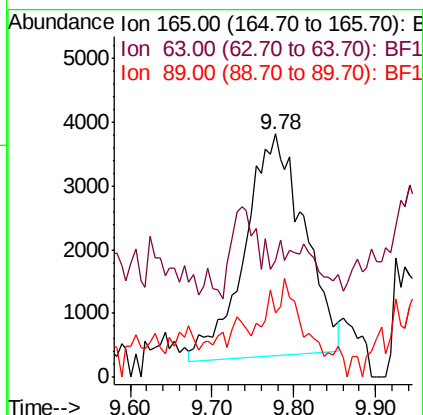
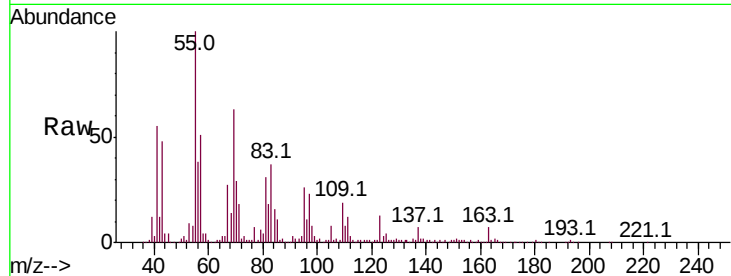




#50
 2,6-Dinitrotoluene
 Concen: 5.668 ng
 RT: 9.78 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF107809.D
 Acq: 30 Jul 2018 19:26

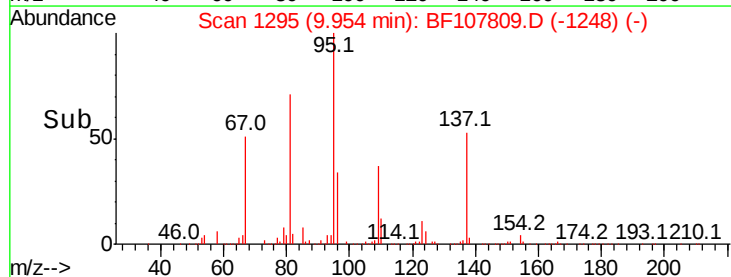
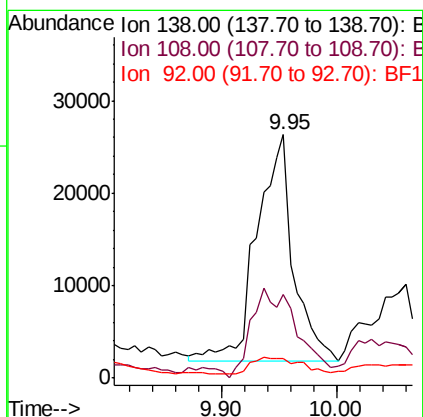
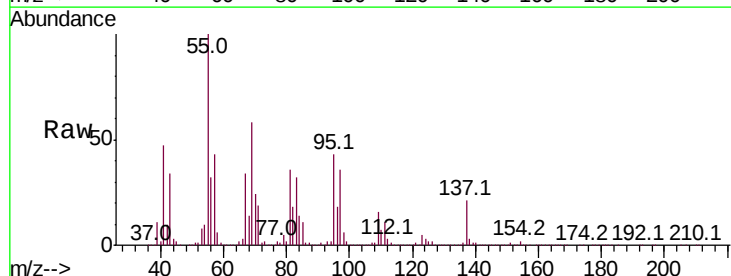
Instrument :
 BNA_F
 ClientSampled :

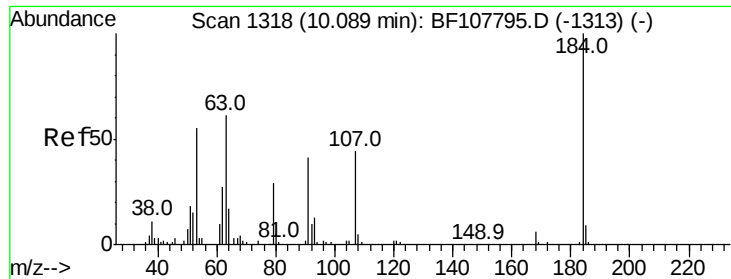
Tot Ion:165 Resp: 17453
 Ion Ratio Lower Upper
 165 100
 63 48.1 44.7 67.1
 89 26.3 44.0 66.0#



#52
 3-Nitroaniline
 Concen: 13.851 ng
 RT: 9.95 min Scan# 1295
 Delta R.T. -0.02 min
 Lab File: BF107809.D
 Acq: 30 Jul 2018 19:26

Tgt Ion:138 Resp: 53744
 Ion Ratio Lower Upper
 138 100
 108 34.3 9.4 14.0#
 92 8.0 89.4 134.2#

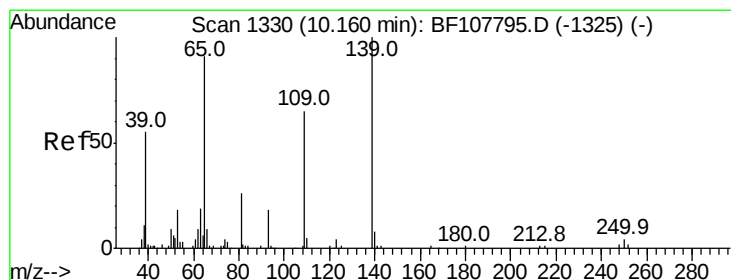
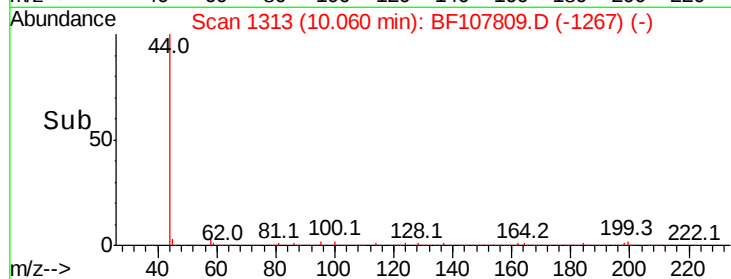
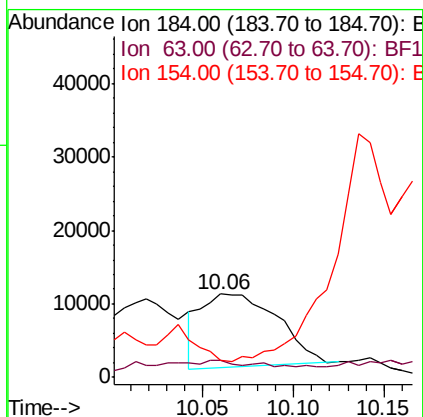
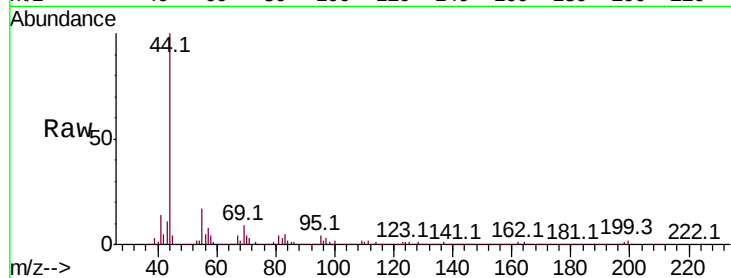




#53
2,4-Dinitrophenol
Concen: 24.469 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.03 min
Lab File: BF107809.D
Acq: 30 Jul 2018 19:26

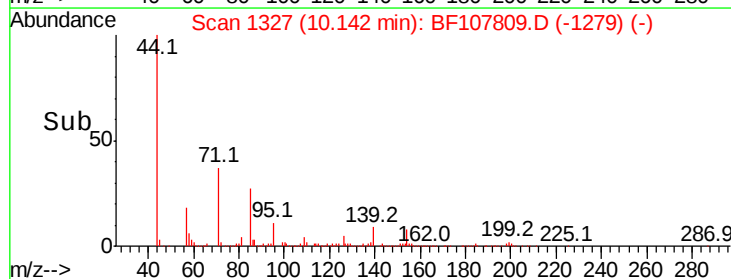
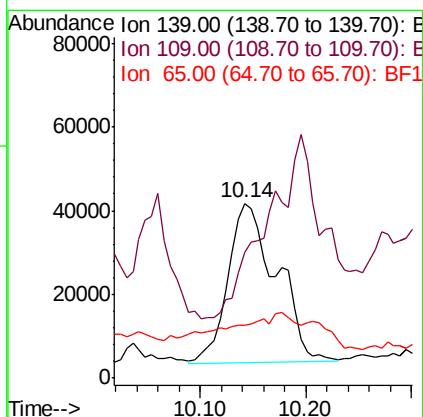
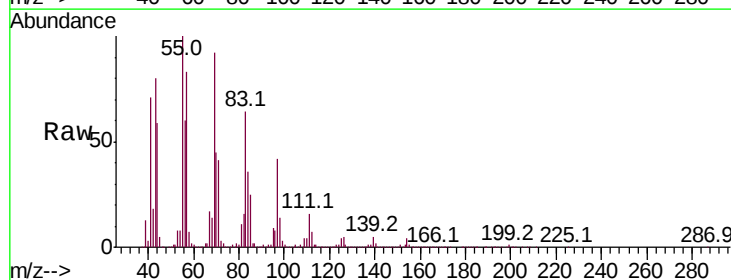
Instrument :
BNA_F
ClientSampleId :

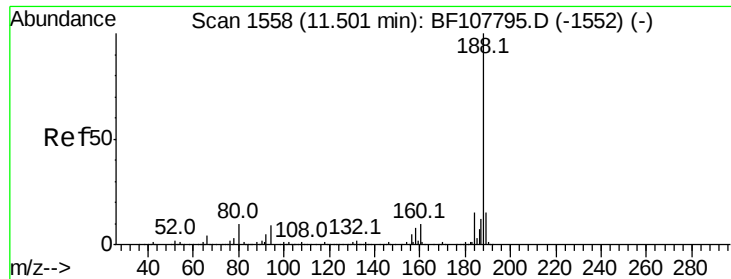
Tot Ion:184 Resp: 29082
Ion Ratio Lower Upper
184 100
63 20.4 54.2 81.2#
154 21.0 184.0 276.0#



#55
4-Nitrophenol
Concen: 68.168 ng
RT: 10.14 min Scan# 1327
Delta R.T. -0.02 min
Lab File: BF107809.D
Acq: 30 Jul 2018 19:26

Tgt Ion:139 Resp: 121642
Ion Ratio Lower Upper
139 100
109 72.1 48.4 88.4
65 30.2 72.6 112.6#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BF107809.D

Acq: 30 Jul 2018 19:26

Instrument :

BNA_F

ClientSampleId :

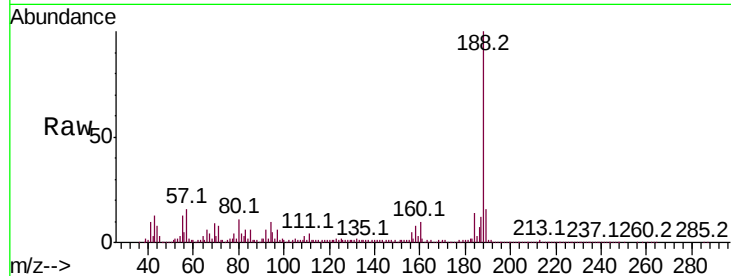
Tot Ion:188 Resp: 538824

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

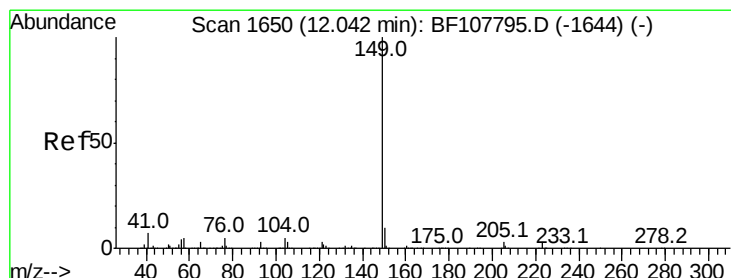
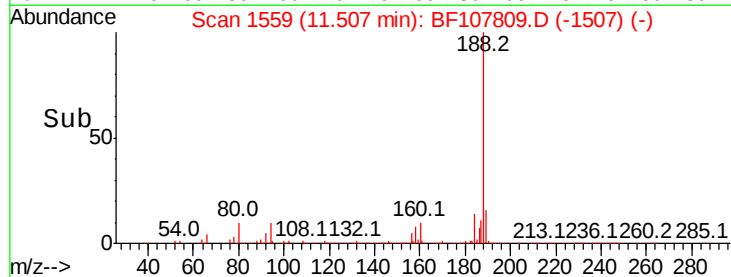
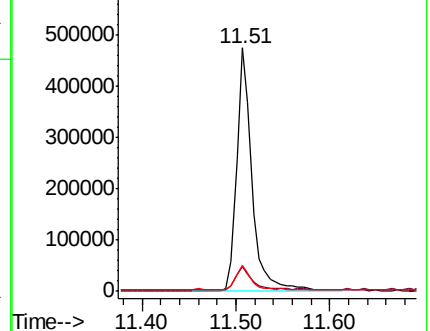
80 10.8 9.2 13.8



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



#73

Di-n-butylphthalate

Concen: 3.085 ng

RT: 12.04 min Scan# 1650

Delta R.T. 0.00 min

Lab File: BF107809.D

Acq: 30 Jul 2018 19:26

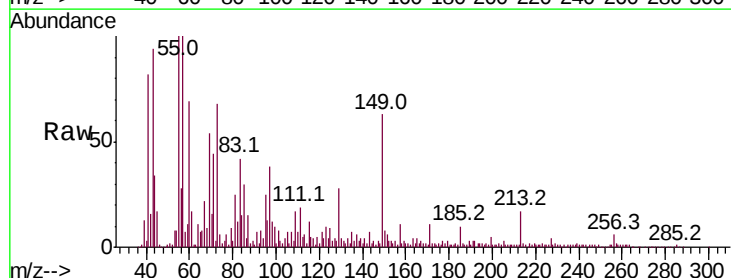
Tgt Ion:149 Resp: 98153

Ion Ratio Lower Upper

149 100

150 12.1 7.8 11.6#

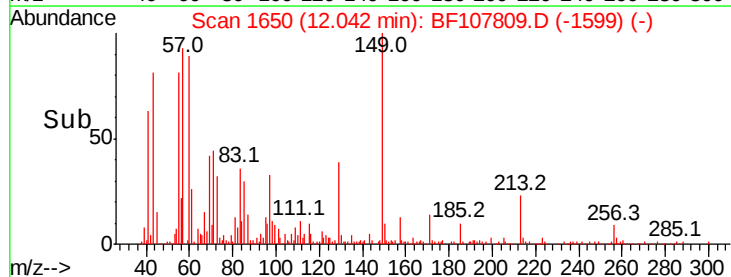
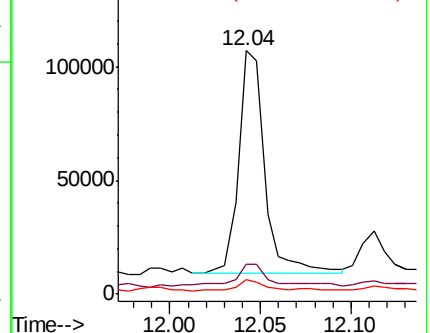
104 6.2 3.8 5.8#

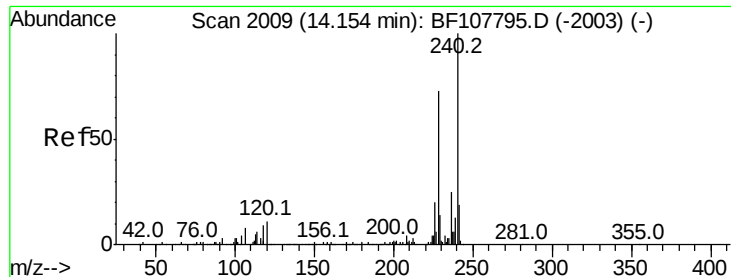


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF107809.D

Acq: 30 Jul 2018 19:26

Instrument :

BNA_F

ClientSampleId :

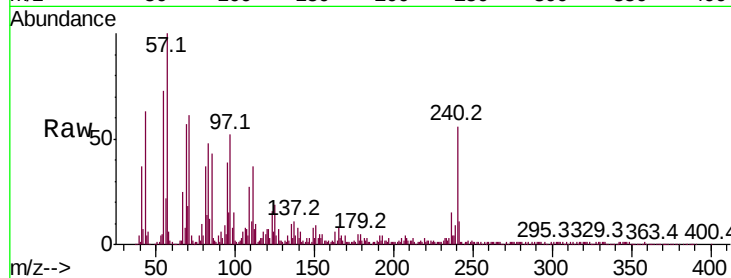
Tot Ion:240 Resp: 294482

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

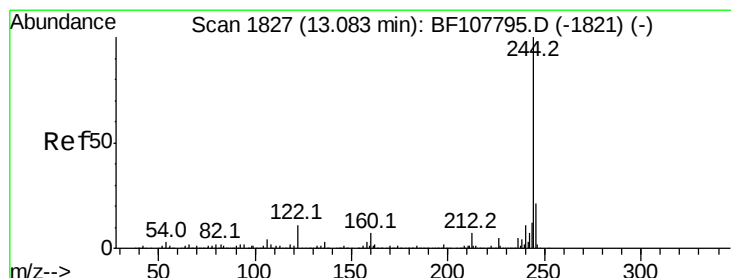
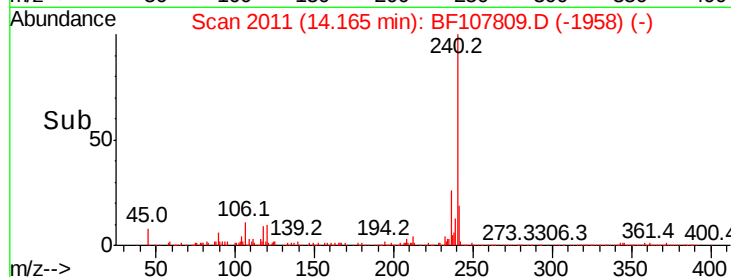
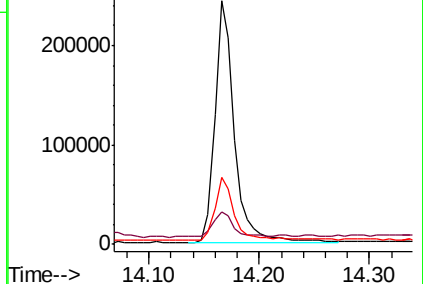
236 27.3 20.7 31.1



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: 88.144 ng

RT: 13.09 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF107809.D

Acq: 30 Jul 2018 19:26

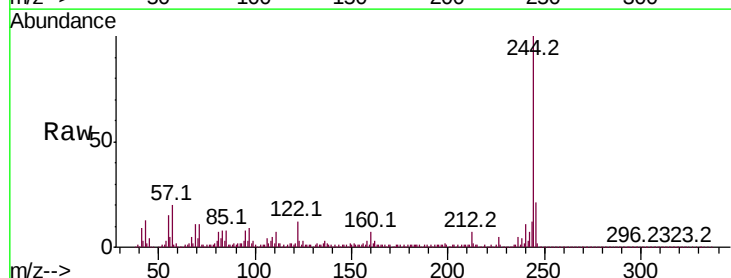
Tgt Ion:244 Resp: 1197037

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

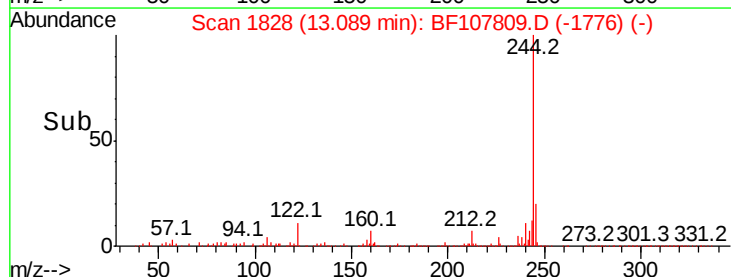
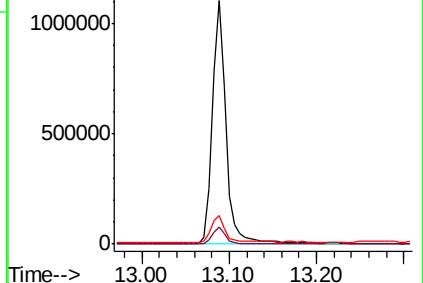
122 11.6 11.0 16.4

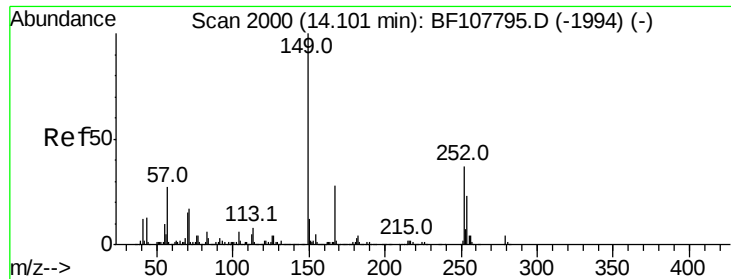


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

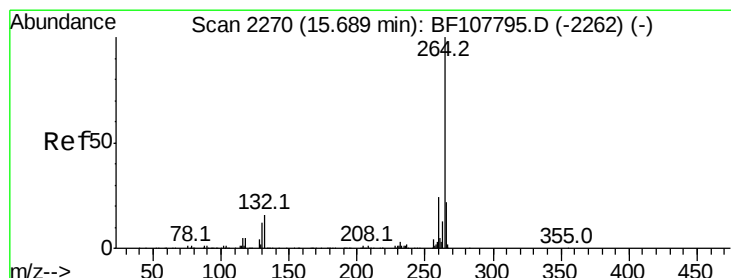
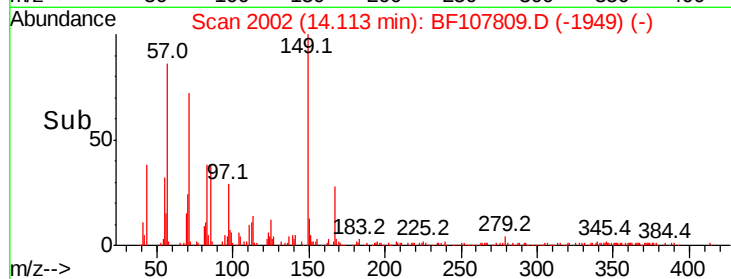
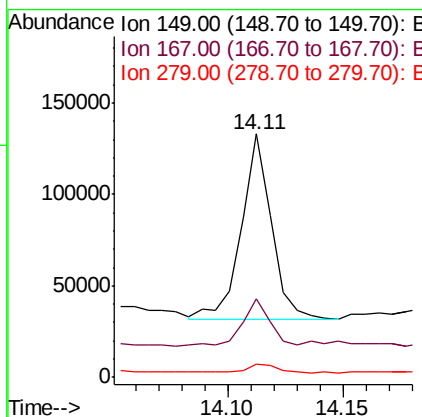
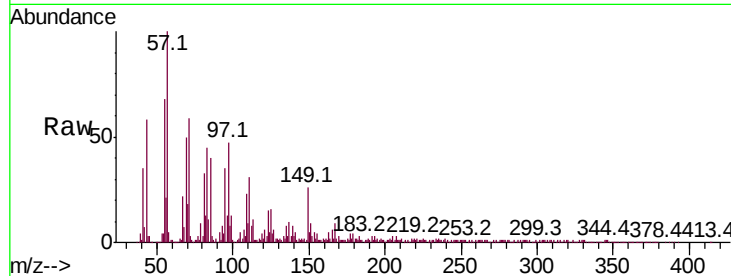




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.859 ng
 RT: 14.11 min Scan# 2002
 Delta R.T. 0.01 min
 Lab File: BF107809.D
 Acq: 30 Jul 2018 19:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 91745
 Ion Ratio Lower Upper
 149 100
 167 32.3 21.3 31.9#
 279 5.3 3.0 4.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.72 min Scan# 2276
 Delta R.T. 0.04 min
 Lab File: BF107809.D
 Acq: 30 Jul 2018 19:26

Tgt Ion:264 Resp: 303683
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.2 28.8
 265 22.6 17.5 26.3

