

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072718\
 Data File : BF107789.D
 Acq On : 28 Jul 2018 11:23
 Operator : JU/SJ
 Sample : J4176-05
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PLASTIC-COAT

Quant Time: Jul 30 01:36:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	155849	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	560814	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	177939	20.00	ng	-0.02
63) Phenanthrene-d10	11.51	188	356564	20.00	ng	0.00
75) Chrysene-d12	14.16	240	406267	20.00	ng	0.00
86) Perylene-d12	15.69	264	323545	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	782137	80.69	ng	0.00
7) Phenol-d6	6.63	99	1013140	87.05	ng	0.02
23) Nitrobenzene-d5	7.53	82	884788	106.47	ng	-0.02
41) 2,4,6-Tribromophenol	10.82	330	270782	133.82	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1312723	162.17	ng	-0.02
78) Terphenyl-d14	13.10	244	1372549	86.49	ng	0.00

Target Compounds

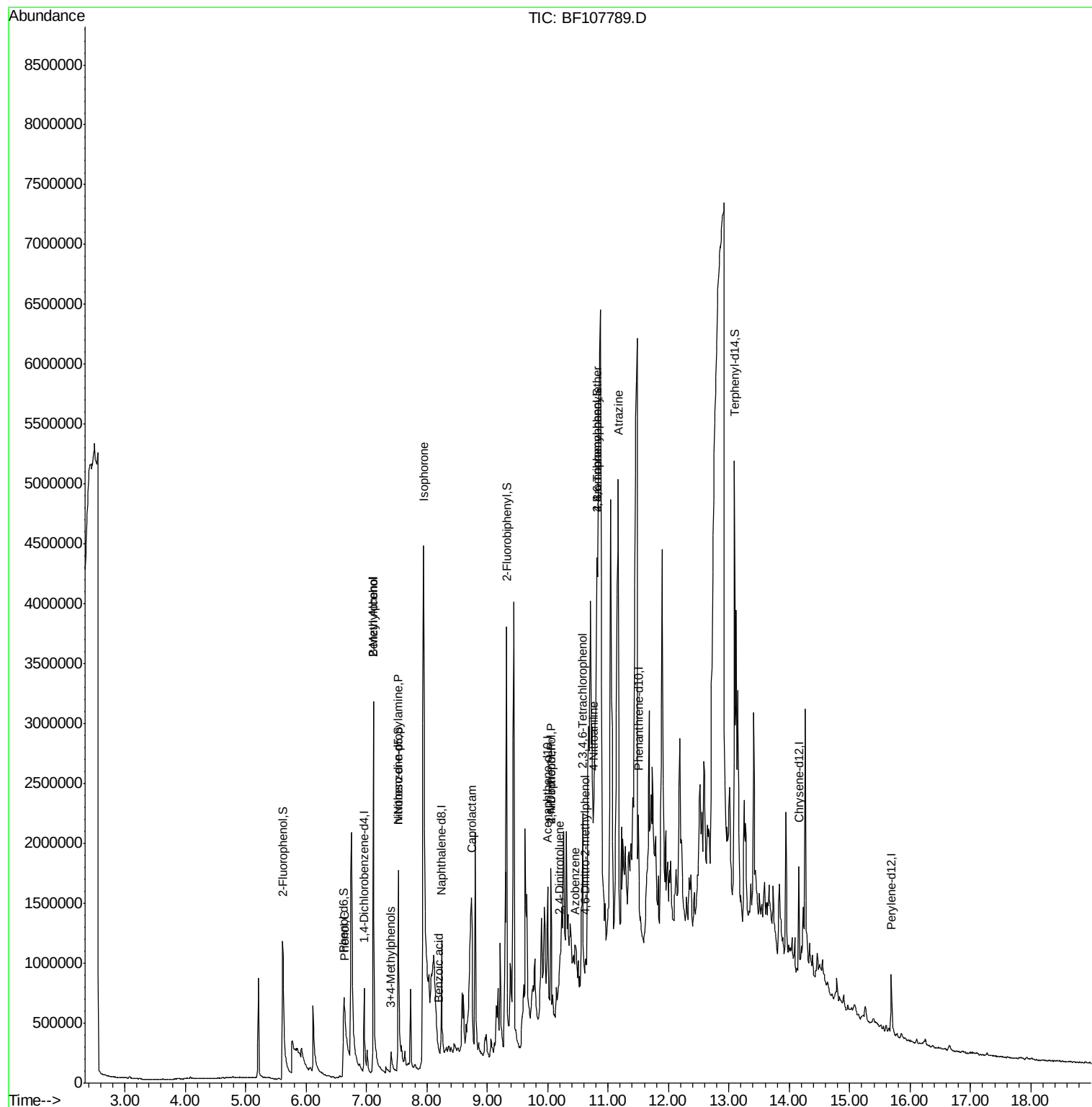
						Qvalue
9) Benzaldehyde	6.54	77	1259	Below Cal	#	67
10) Phenol	6.64	94	62496	4.566 ng	#	44
15) Benzyl Alcohol	7.12	79	96590	12.177 ng	#	76
17) 2-Methylphenol	7.12	107	44359	5.026 ng	#	1
19) n-Nitroso-di-n-propylamine	7.53	70	117769	15.663 ng	#	79
20) 3+4-Methylphenols	7.41	107	91681	8.747 ng	#	45
25) Isophorone	7.95	82	78132	4.404 ng	#	60
32) Benzoic acid	8.20	122	10821	9.602 ng		86
35) Caprolactam	8.74	113	372602	147.313 ng	#	77
53) 2,4-Dinitrophenol	10.05	184	91558	75.211 ng	#	1
55) 4-Nitrophenol	10.05	139	42590	17.562 ng	#	24
56) 2,4-Dinitrotoluene	10.19	165	8226	2.559 ng	#	7
58) 2,3,4,6-Tetrachlorophenol	10.58	232	22713	6.874 ng	#	32
61) 4-Nitroaniline	10.75	138	7062	2.595 ng		83
62) Azobenzene	10.44	77	30338	2.310 ng		70
64) 4,6-Dinitro-2-methylphenol	10.63	198	504	8.921 ng	#	1
66) 4-Bromophenyl-phenylether	10.81	248	15585	3.713 ng	#	1
68) Atrazine	11.17	200	28805	7.791 ng	#	54
73) Di-n-butylphthalate	12.05	149	7516	Below Cal	#	27
81) 3,3'-Dichlorobenzidine	14.05	252	5380	Below Cal	#	25

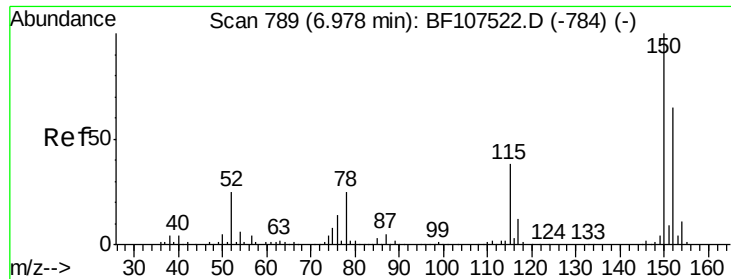
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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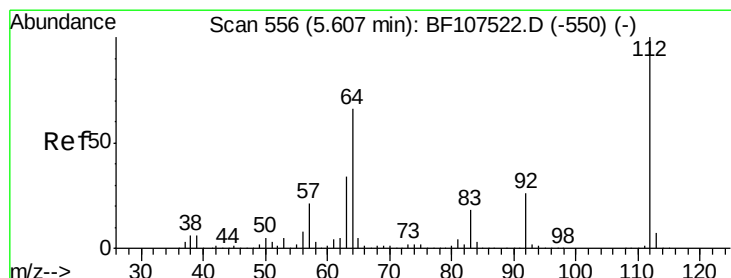
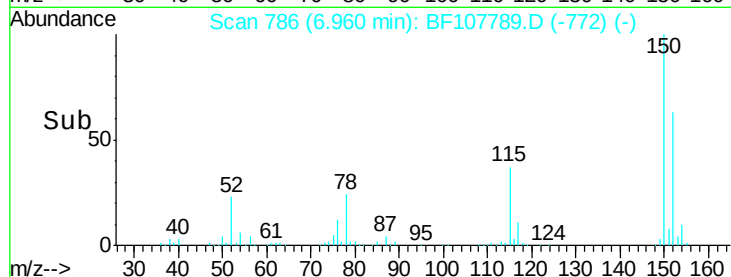
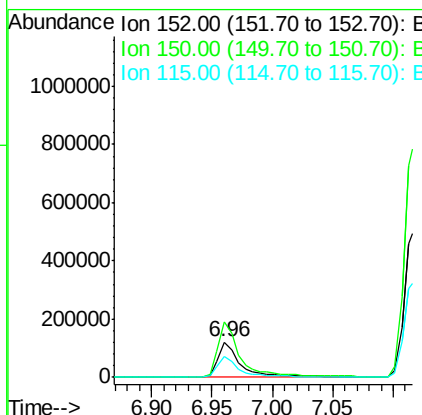
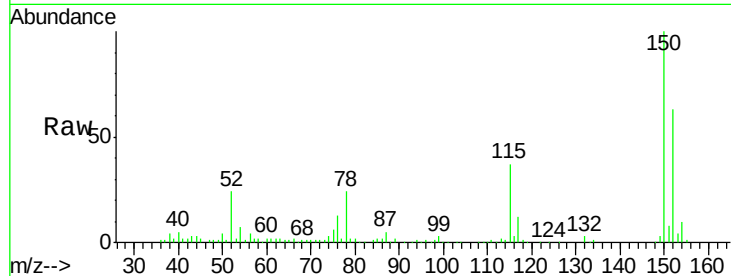




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 786
 Delta R.T. -0.02 min
 Lab File: BF107789.D
 Acq: 28 Jul 2018 11:23

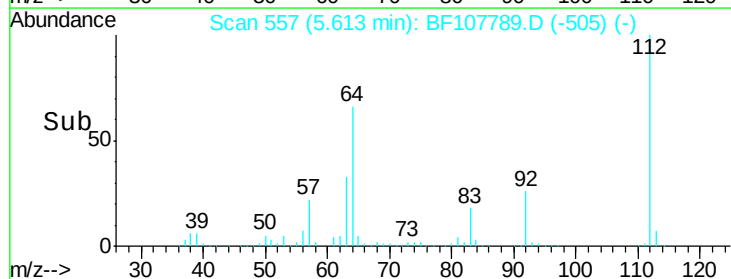
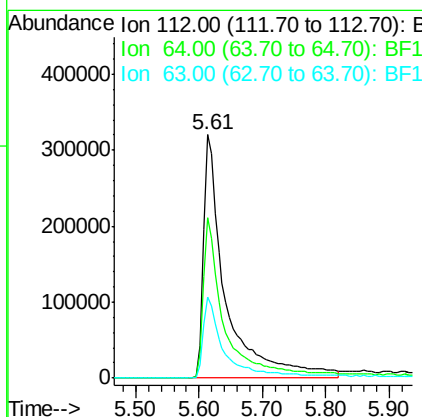
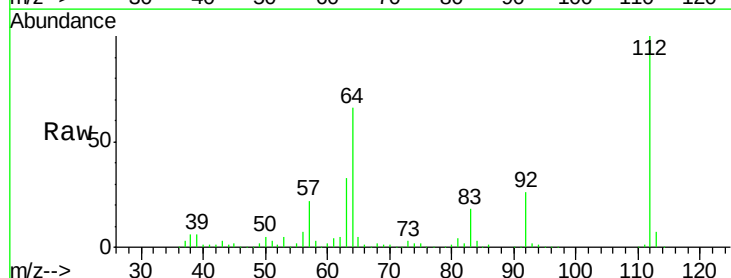
Instrument :
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 ClientSampleId :
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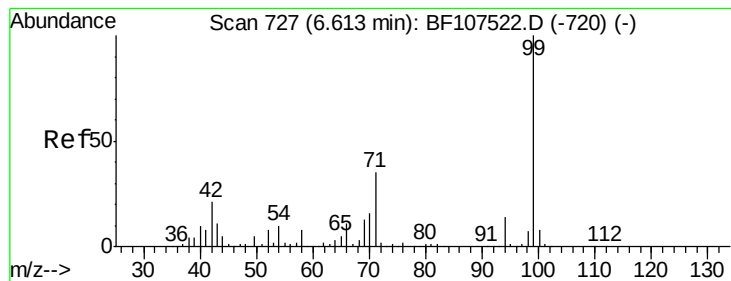
Tgt Ion:152 Resp: 155849
 Ion Ratio Lower Upper
 152 100
 150 158.1 124.6 186.8
 115 58.8 50.1 75.1



#5
 2-Fluorophenol
 Concen: 80.689 ng
 RT: 5.61 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: BF107789.D
 Acq: 28 Jul 2018 11:23

Tgt Ion:112 Resp: 782137
 Ion Ratio Lower Upper
 112 100
 64 65.9 47.9 71.9
 63 33.2 23.7 35.5





#7

Phenol-d6

Concen: 87.047 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.02 min

Lab File: BF107789.D

Acq: 28 Jul 2018 11:23

Instrument :

BNA_F

ClientSampleId :

PLASTIC-COAT

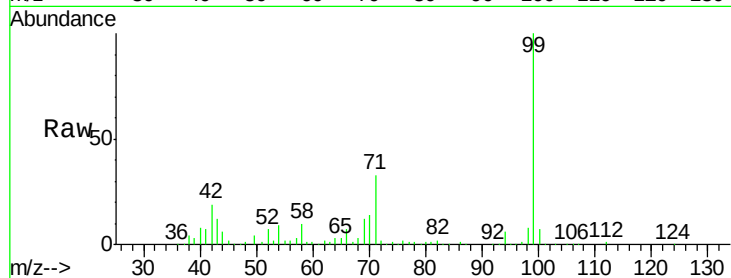
Tgt Ion: 99 Resp: 1013140

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

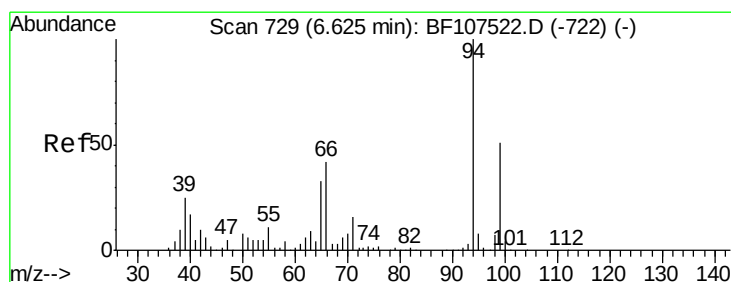
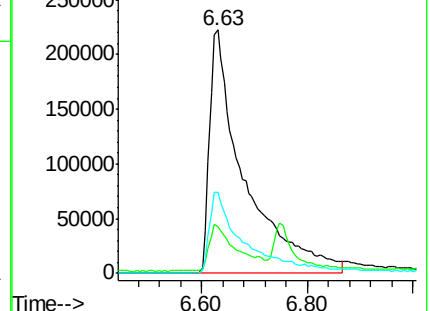
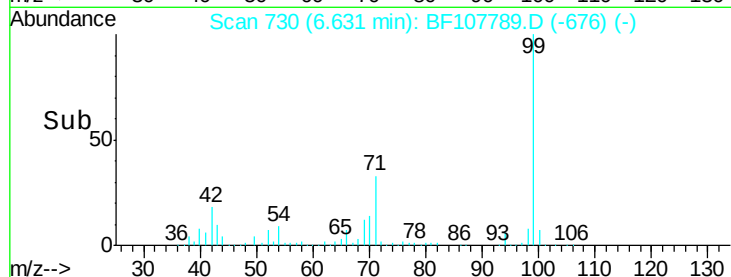
71 33.3 25.4 38.0



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: 4.566 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.02 min

Lab File: BF107789.D

Acq: 28 Jul 2018 11:23

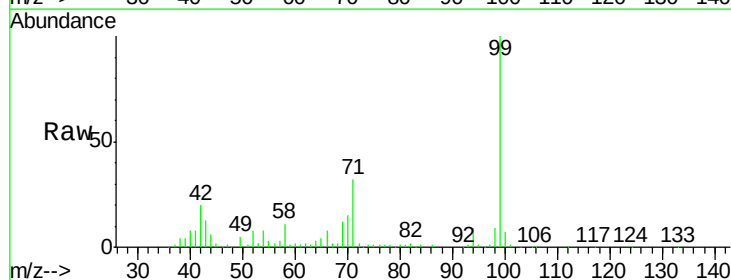
Tgt Ion: 94 Resp: 62496

Ion Ratio Lower Upper

94 100

65 38.4 7.9 47.9

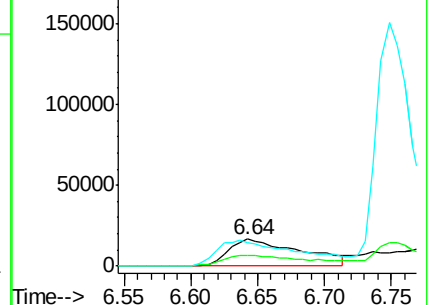
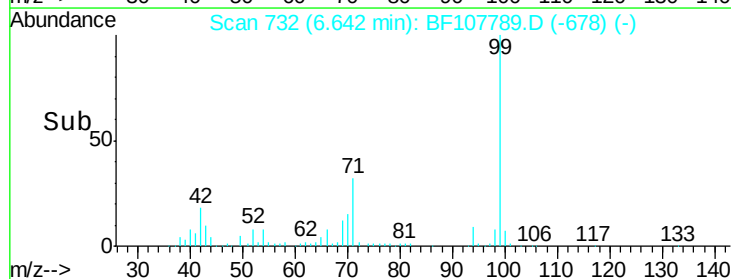
66 86.0 16.2 56.2#

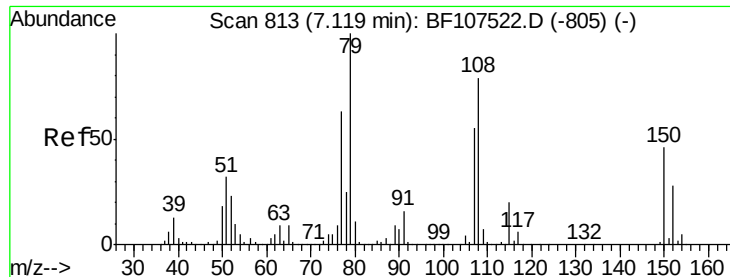


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

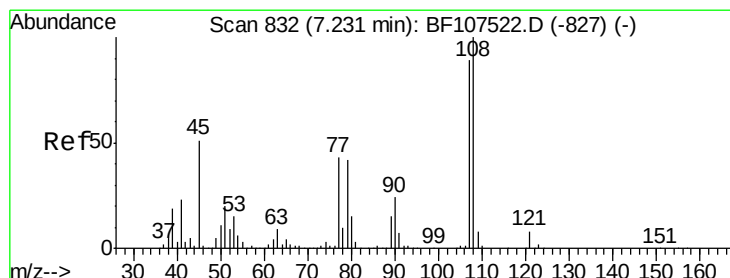
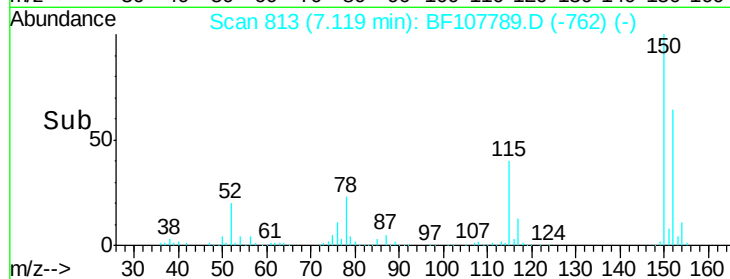
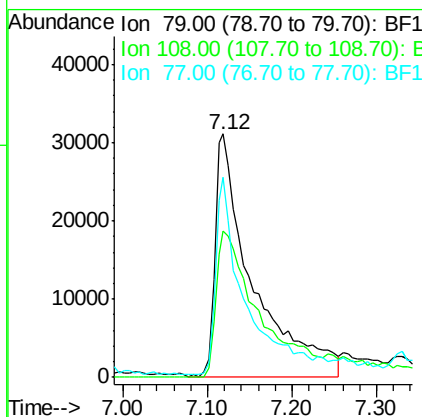
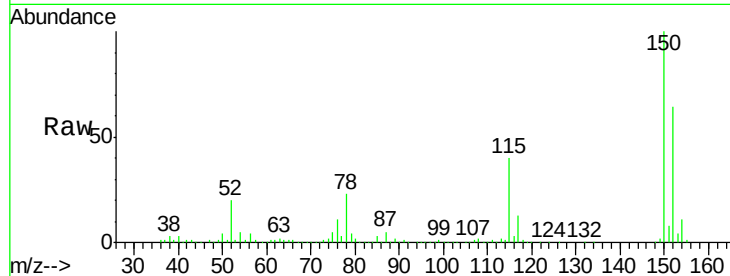




#15
Benzyl Alcohol
Concen: 12.177 ng
RT: 7.12 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF107789.D
Acq: 28 Jul 2018 11:23

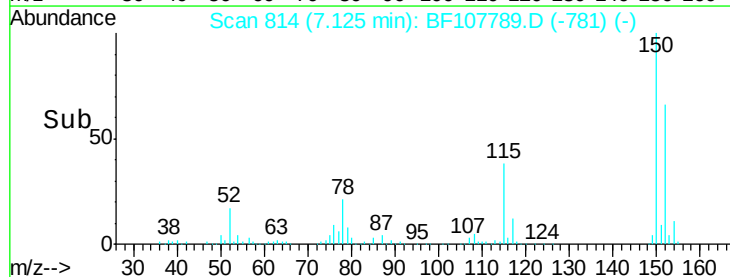
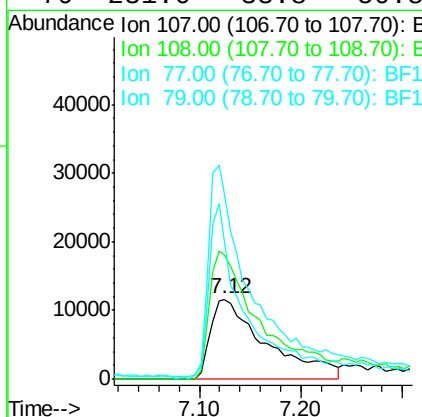
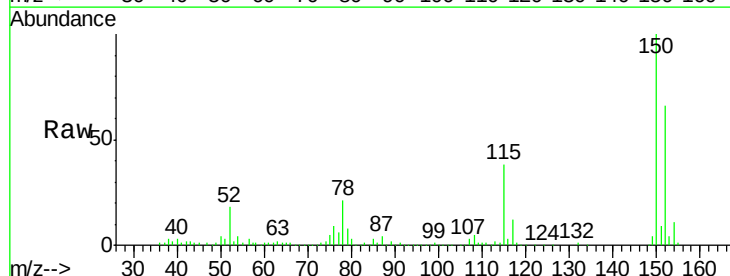
Instrument :
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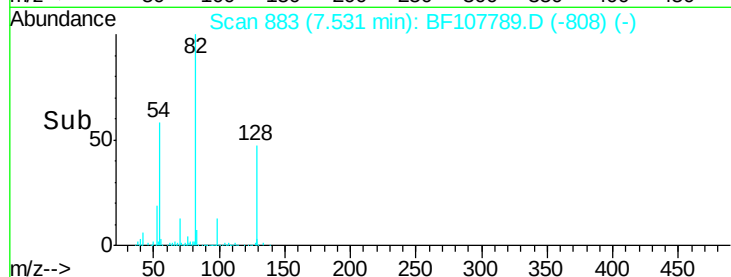
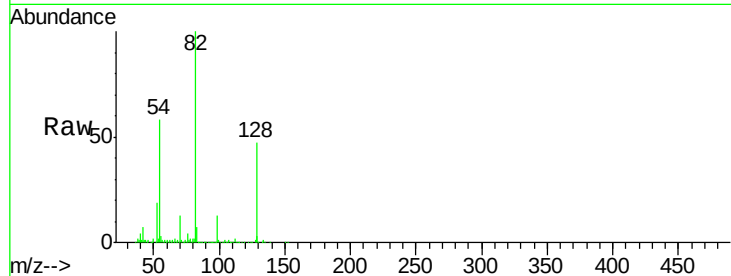
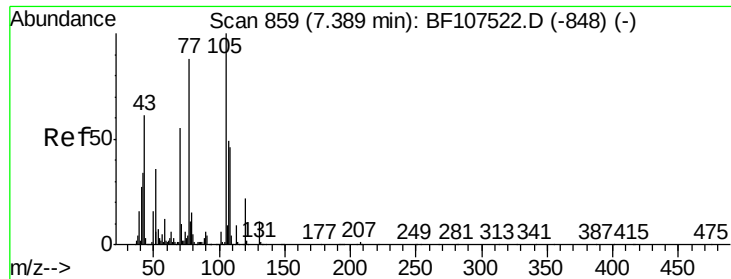
Tgt Ion: 79 Resp: 96590
Ion Ratio Lower Upper
79 100
108 60.2 65.1 97.7#
77 82.3 50.6 75.8#



#17
2-Methylphenol
Concen: 5.026 ng
RT: 7.12 min Scan# 814
Delta R.T. -0.11 min
Lab File: BF107789.D
Acq: 28 Jul 2018 11:23

Tgt Ion: 107 Resp: 44359
Ion Ratio Lower Upper
107 100
108 155.3 91.7 137.5#
77 172.2 33.8 50.8#
79 231.6 33.8 50.8#

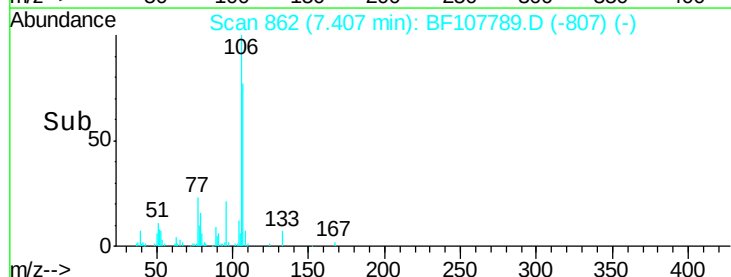
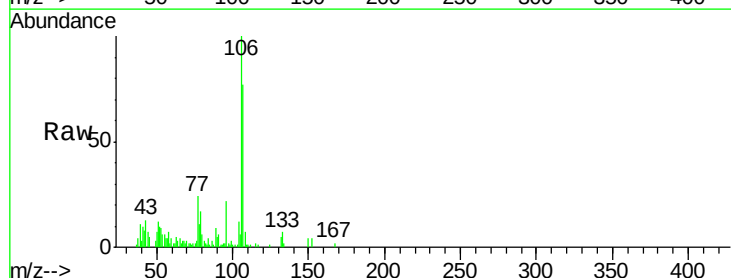
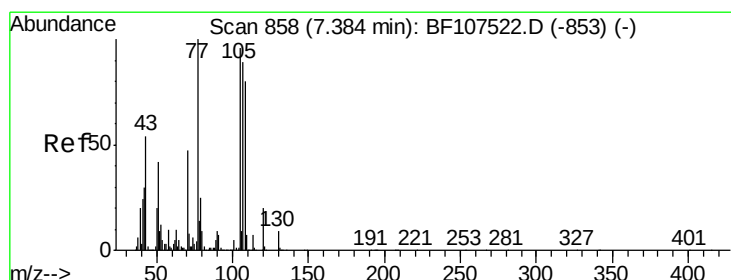
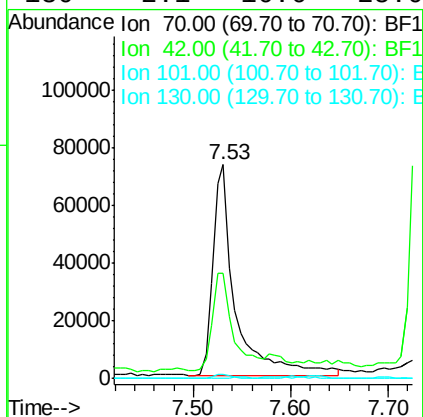




#19
n-Nitroso-di-n-propylamine
Concen: 15.663 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.14 min
Lab File: BF107789.D
Acq: 28 Jul 2018 11:23

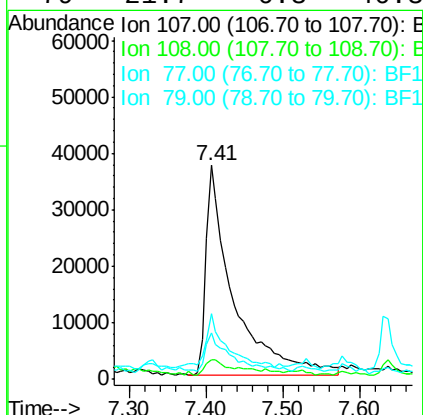
Instrument :
BNA_F
ClientSampleId :
PLASTIC-COAT

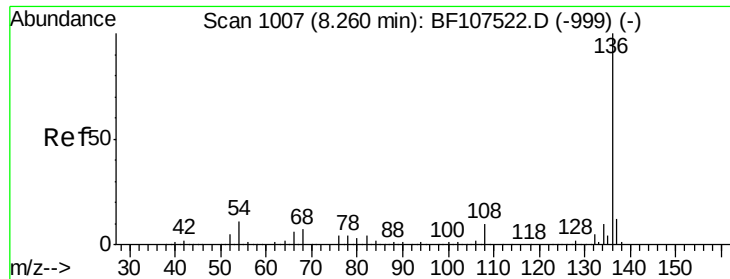
Tgt Ion:	70	Resp:	117769
Ion	Ratio	Lower	Upper
70	100		
42	49.3	47.5	71.3
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#



#20
3+4-Methylphenols
Concen: 8.747 ng
RT: 7.41 min Scan# 862
Delta R.T. 0.02 min
Lab File: BF107789.D
Acq: 28 Jul 2018 11:23

Tgt Ion:	107	Resp:	91681
Ion	Ratio	Lower	Upper
107	100		
108	9.1	68.2	108.2#
77	30.6	26.7	66.7
79	21.7	6.3	46.3

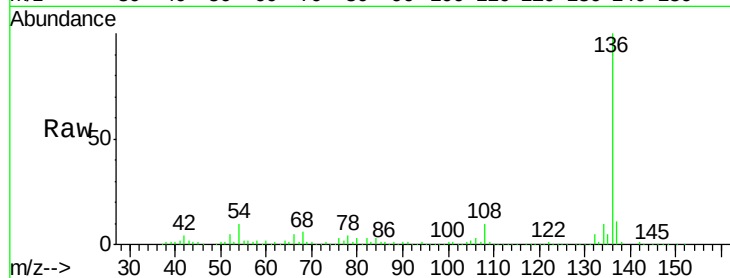




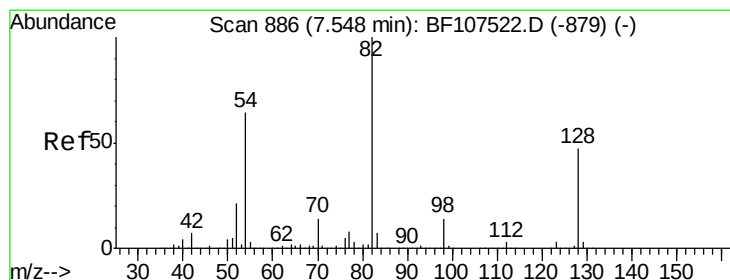
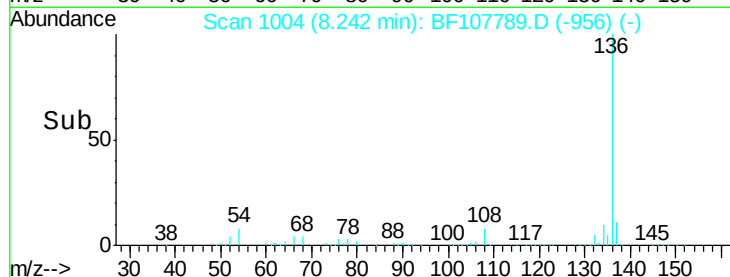
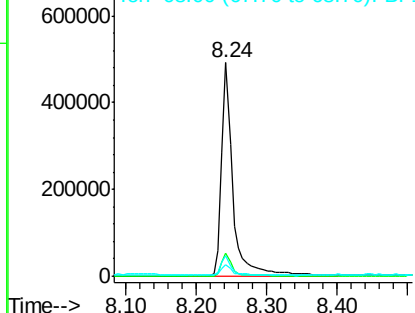
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF107789.D
Acq: 28 Jul 2018 11:23

Instrument :
BNA_F
ClientSampleId :
PLASTIC-COAT

Tgt Ion:	136	Resp:	560814
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.5	6.6	9.8
68	5.6	5.0	7.4

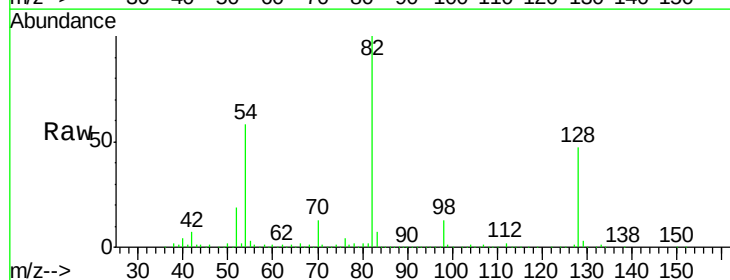


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

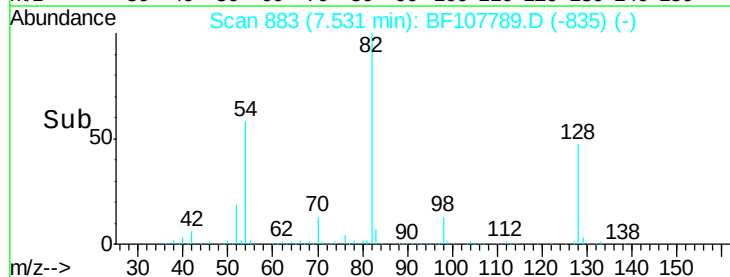
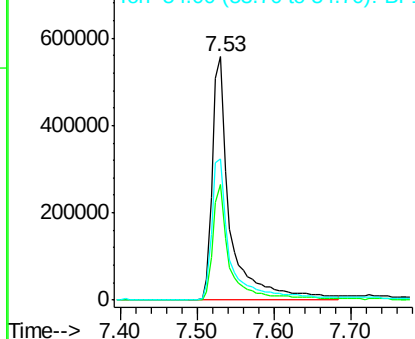


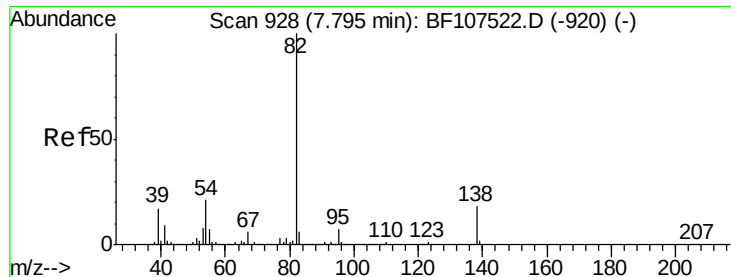
#23
Nitrobenzene-d5
Concen: 106.474 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107789.D
Acq: 28 Jul 2018 11:23

Tgt Ion:	82	Resp:	884788
Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.1	54.1
54	58.1	41.4	62.2



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





#25

Isophorone

Concen: 4.404 ng

RT: 7.95 min Scan# 954

Delta R.T. 0.15 min

Lab File: BF107789.D

Acq: 28 Jul 2018 11:23

Instrument :

BNA_F

ClientSampleId :

PLASTIC-COAT

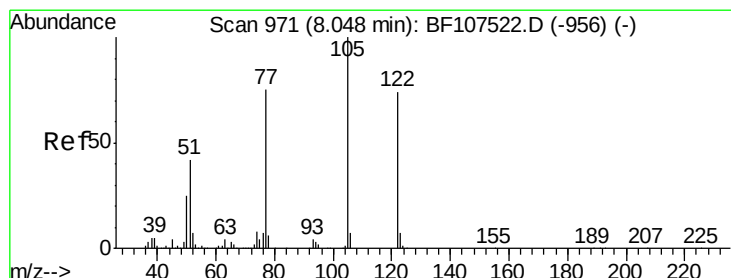
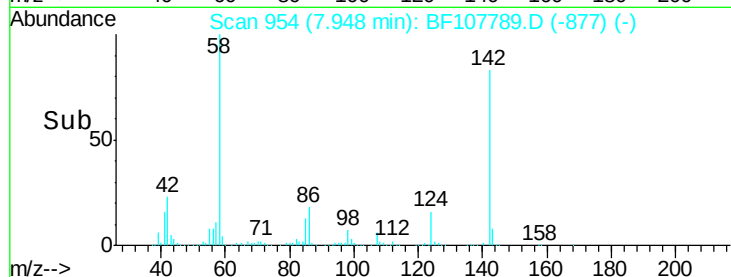
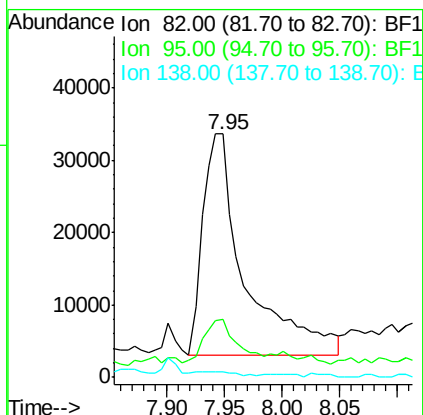
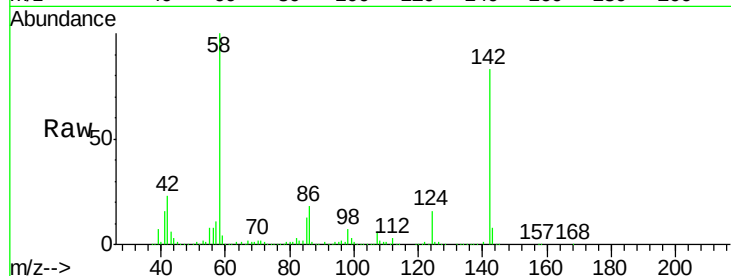
Tgt Ion: 82 Resp: 78132

Ion Ratio Lower Upper

82 100

95 23.6 5.2 7.8#

138 2.4 14.9 22.3#



#32

Benzoic acid

Concen: 9.602 ng

RT: 8.20 min Scan# 996

Delta R.T. 0.15 min

Lab File: BF107789.D

Acq: 28 Jul 2018 11:23

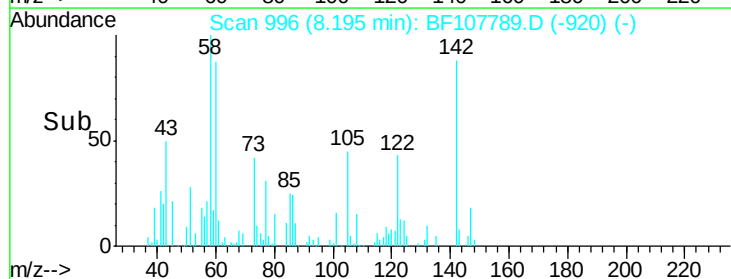
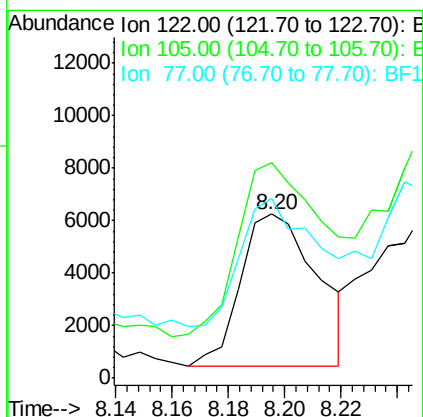
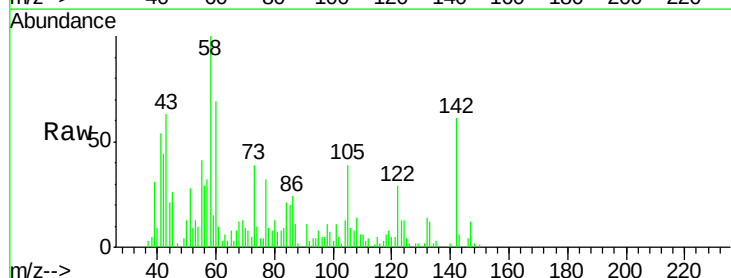
Tgt Ion: 122 Resp: 10821

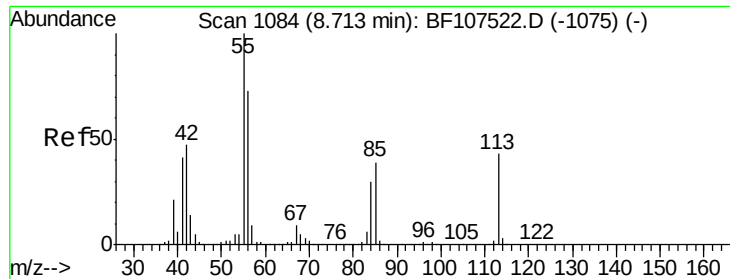
Ion Ratio Lower Upper

122 100

105 131.7 101.1 141.1

77 109.9 70.7 110.7

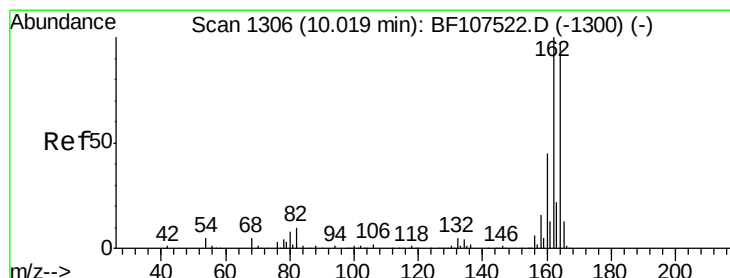
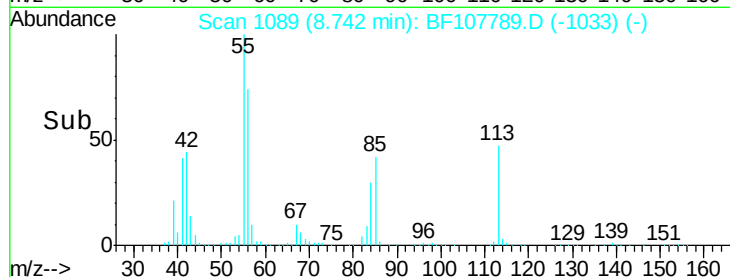
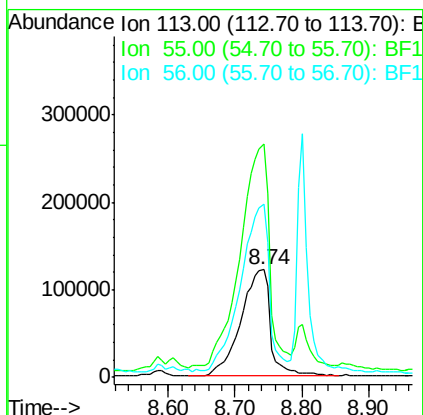
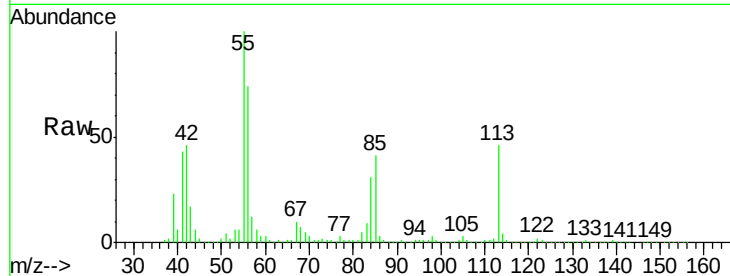




#35
 Caprolactam
 Concen: 147.313 ng
 RT: 8.74 min Scan# 1089
 Delta R.T. 0.03 min
 Lab File: BF107789.D
 Acq: 28 Jul 2018 11:23

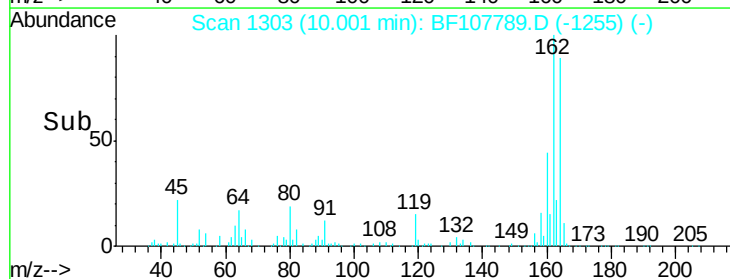
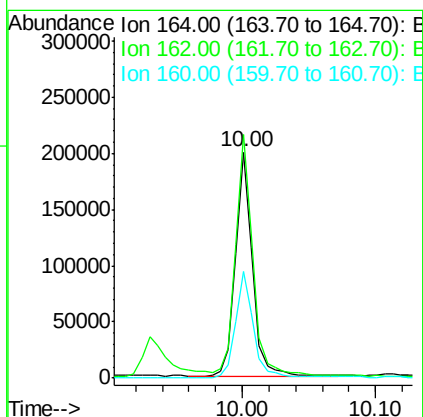
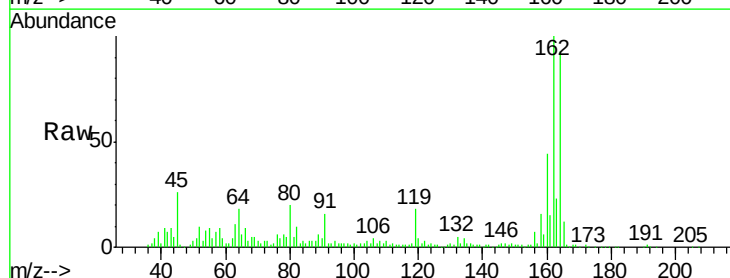
Instrument :
 BNA_F
 ClientSampleId :
 PLASTIC-COAT

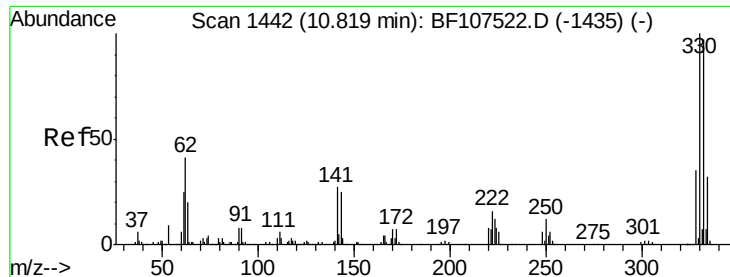
Tgt Ion:113 Resp: 372602
 Ion Ratio Lower Upper
 113 100
 55 217.3 163.3 203.3#
 56 160.7 115.7 155.7#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.02 min
 Lab File: BF107789.D
 Acq: 28 Jul 2018 11:23

Tgt Ion:164 Resp: 177939
 Ion Ratio Lower Upper
 164 100
 162 107.6 86.1 129.1
 160 47.3 38.3 57.5

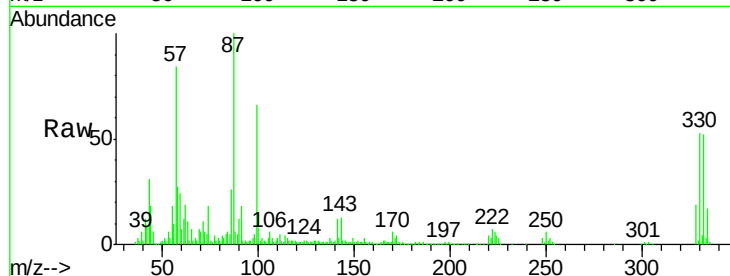




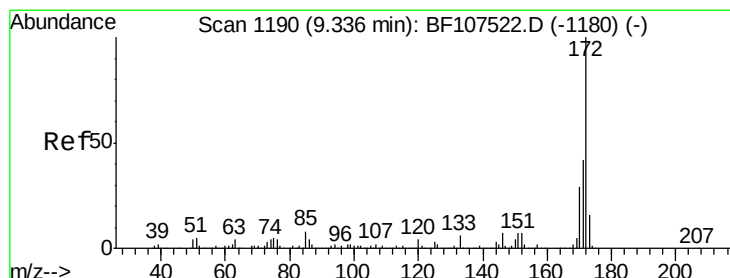
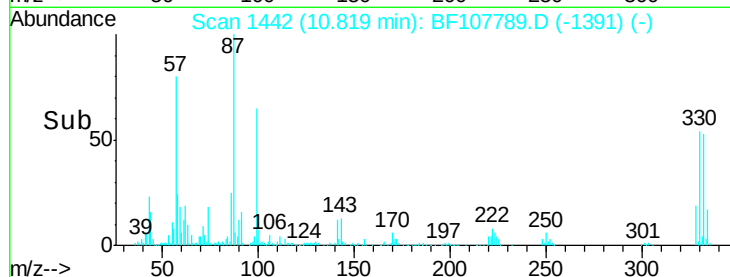
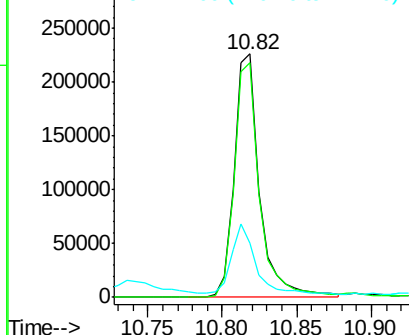
#41
 2,4,6-Tribromophenol
 Concen: 133.822 ng
 RT: 10.82 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: BF107789.D
 Acq: 28 Jul 2018 11:23

Instrument :
 BNA_F
 ClientSampleId :
 PLASTIC-COAT

Tgt Ion:330 Resp: 270782
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 26.8 29.9 44.9#

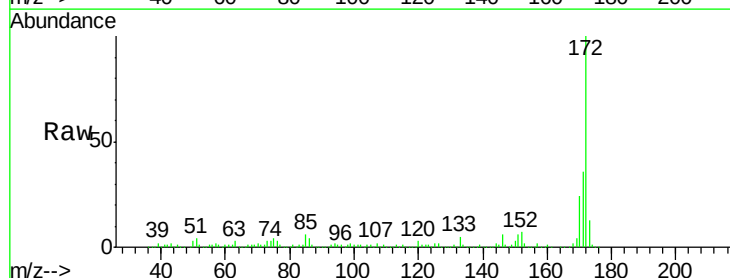


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

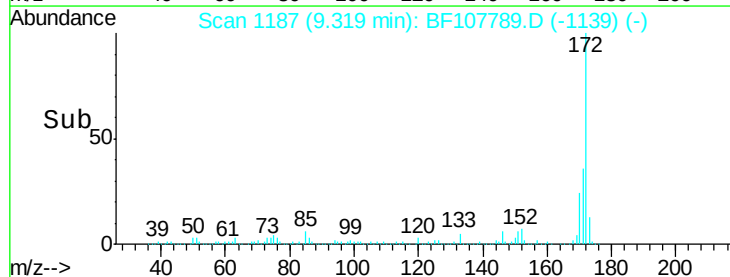
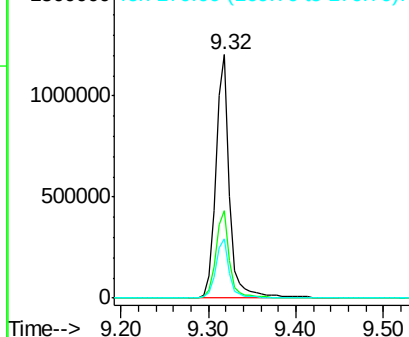


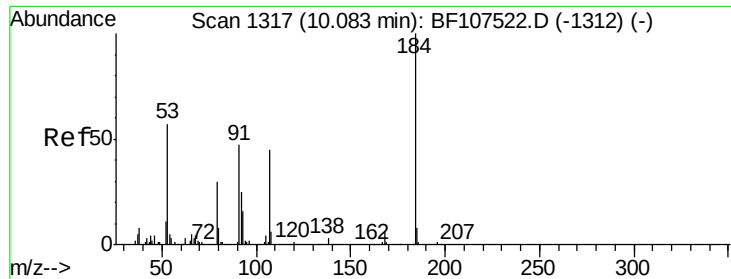
#44
 2-Fluorobiphenyl
 Concen: 162.174 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107789.D
 Acq: 28 Jul 2018 11:23

Tgt Ion:172 Resp: 1312723
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.3 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

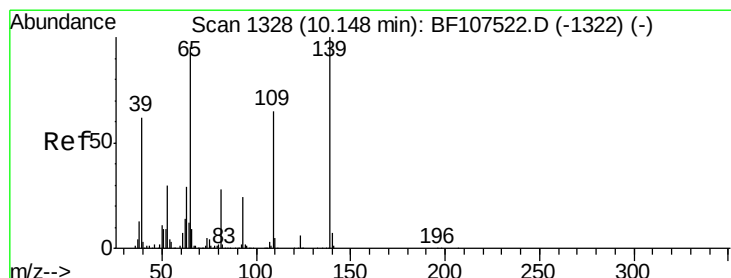
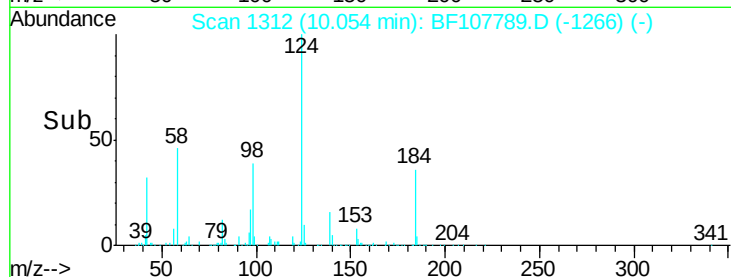
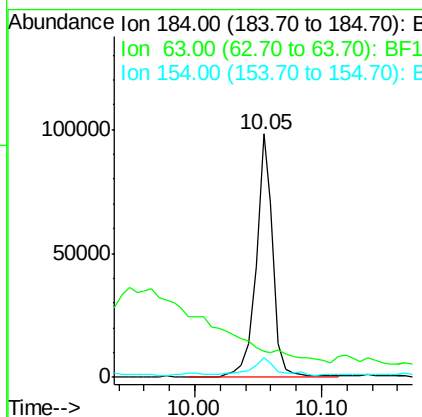
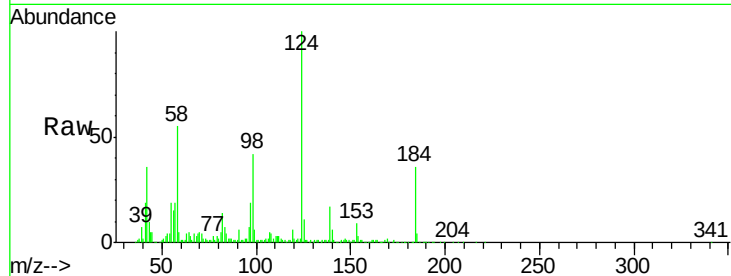




#53
 2,4-Dinitrophenol
 Concen: 75.211 ng
 RT: 10.05 min Scan# 1312
 Delta R.T. -0.03 min
 Lab File: BF107789.D
 Acq: 28 Jul 2018 11:23

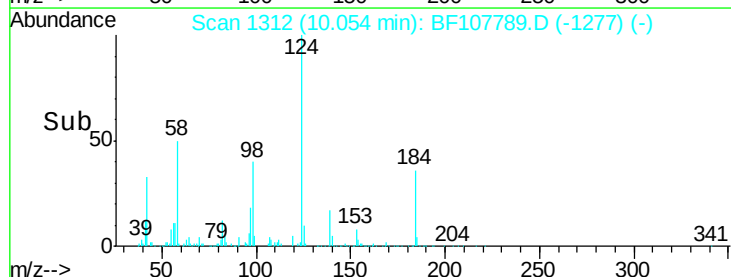
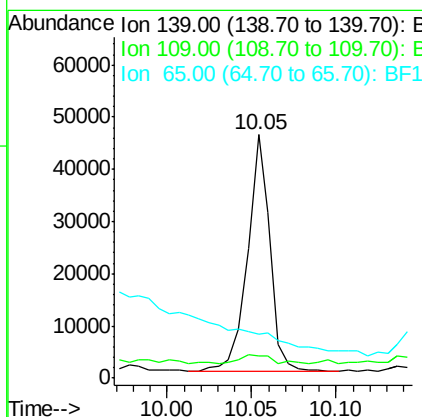
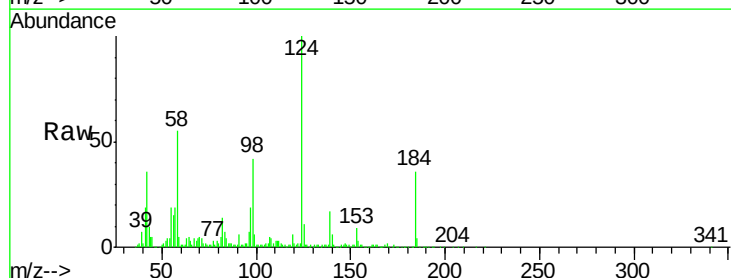
Instrument :
 BNA_F
 ClientSampleId :
 PLASTIC-COAT

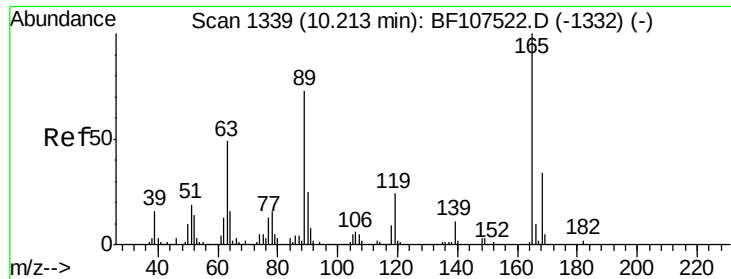
Tgt Ion:184 Resp: 91558
 Ion Ratio Lower Upper
 184 100
 63 10.7 54.2 81.2#
 154 7.9 184.0 276.0#



#55
 4-Nitrophenol
 Concen: 17.562 ng
 RT: 10.05 min Scan# 1312
 Delta R.T. -0.09 min
 Lab File: BF107789.D
 Acq: 28 Jul 2018 11:23

Tgt Ion:139 Resp: 42590
 Ion Ratio Lower Upper
 139 100
 109 9.0 48.4 88.4#
 65 18.3 72.6 112.6#

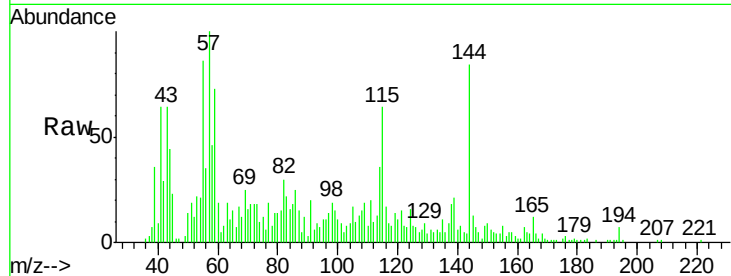




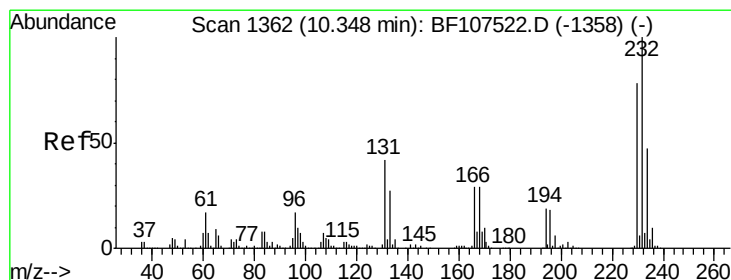
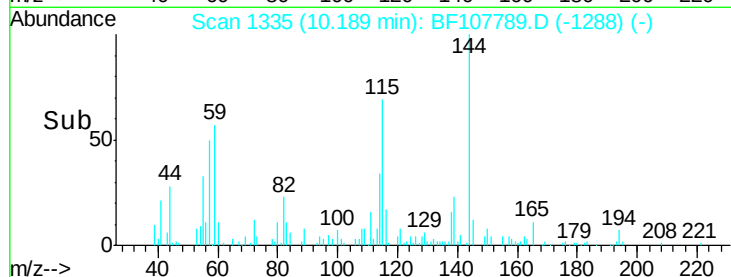
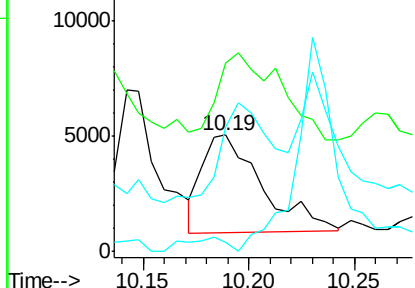
#56
2,4-Dinitrotoluene
Concen: 2.559 ng
RT: 10.19 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF107789.D
Acq: 28 Jul 2018 11:23

Instrument :
BNA_F
ClientSampleId :
PLASTIC-COAT

Tgt Ion:165 Resp: 8226
Ion Ratio Lower Upper
165 100
63 161.9 36.4 54.6#
89 106.9 57.8 86.6#
182 8.1 1.6 2.4#

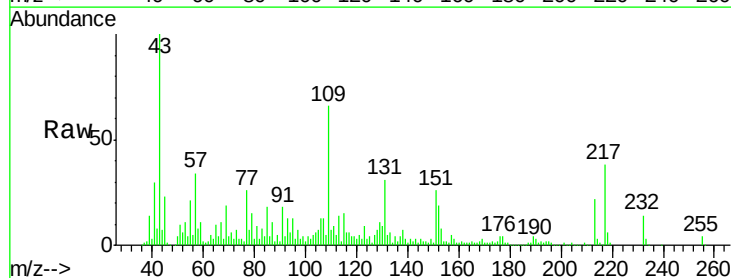


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

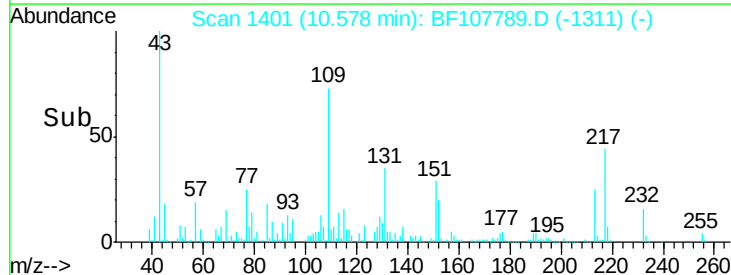
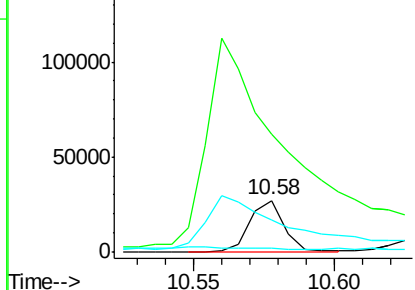


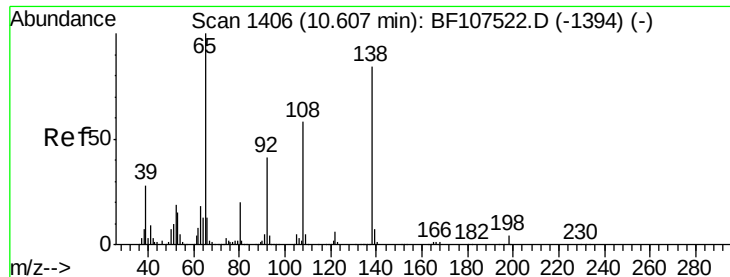
#58
2,3,4,6-Tetrachlorophenol
Concen: 6.874 ng
RT: 10.58 min Scan# 1401
Delta R.T. 0.23 min
Lab File: BF107789.D
Acq: 28 Jul 2018 11:23

Tgt Ion:232 Resp: 22713
Ion Ratio Lower Upper
232 100
131 0.0 43.8 65.8#
130 0.0 2.1 3.1#
166 0.0 27.8 41.6#



Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

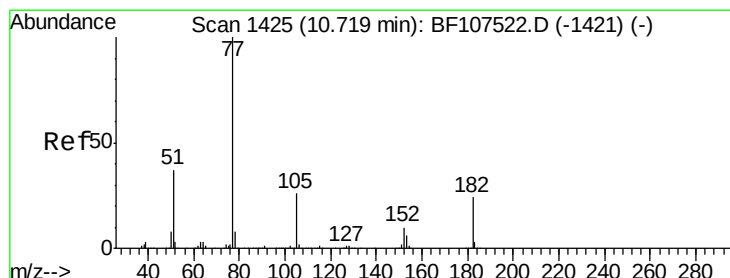
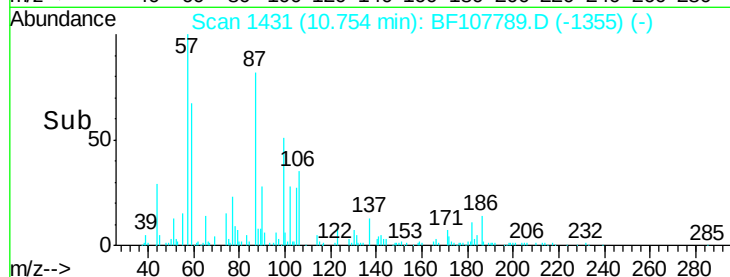
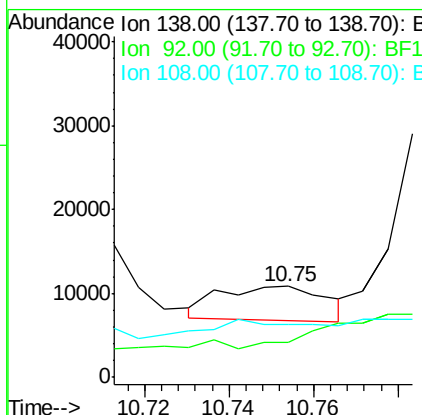
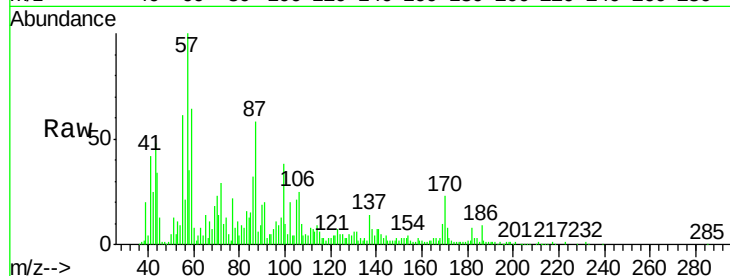




#61
4-Nitroaniline
Concen: 2.595 ng
RT: 10.75 min Scan# 1431
Delta R.T. 0.15 min
Lab File: BF107789.D
Acq: 28 Jul 2018 11:23

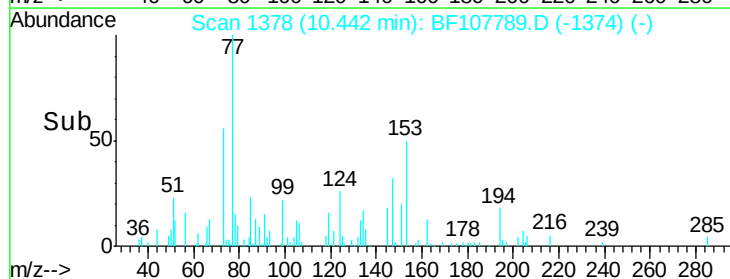
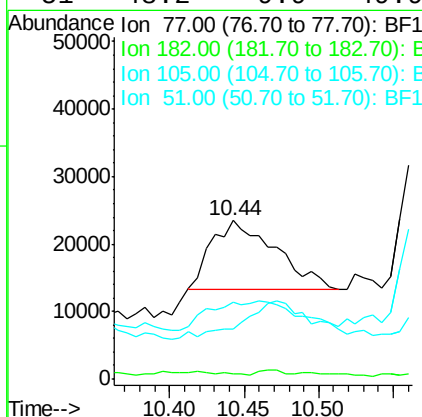
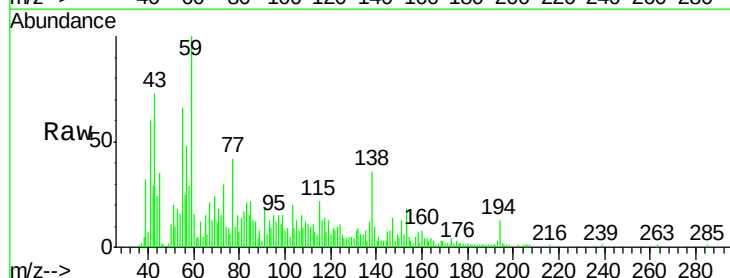
Instrument :
BNA_F
ClientSampleId :
PLASTIC-COAT

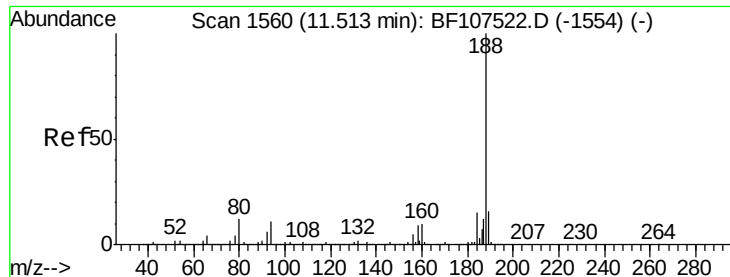
Tgt Ion: 138 Resp: 7062
Ion Ratio Lower Upper
138 100
92 38.8 30.2 70.2
108 57.7 52.5 92.5



#62
Azobenzene
Concen: 2.310 ng
RT: 10.44 min Scan# 1378
Delta R.T. -0.28 min
Lab File: BF107789.D
Acq: 28 Jul 2018 11:23

Tgt Ion: 77 Resp: 30338
Ion Ratio Lower Upper
77 100
182 3.0 1.7 41.7
105 31.3 3.0 43.0
51 48.2 9.9 49.9

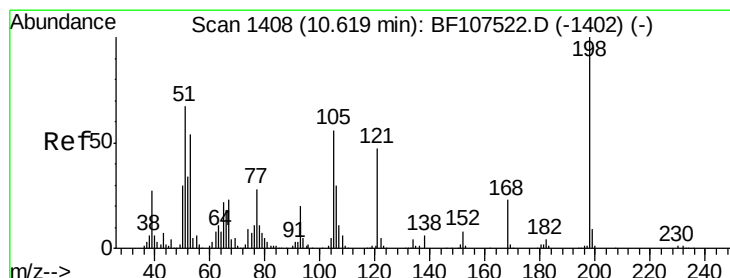
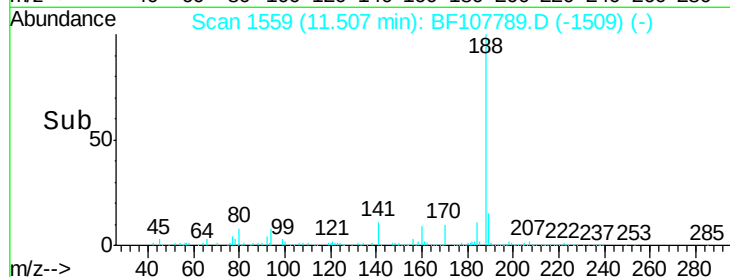
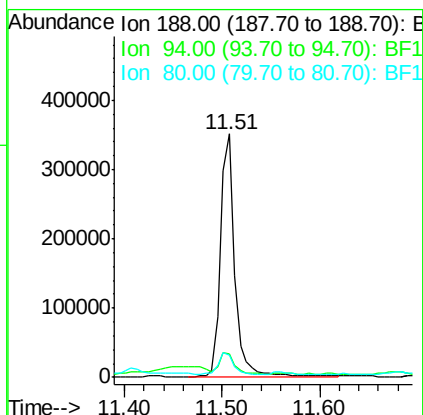
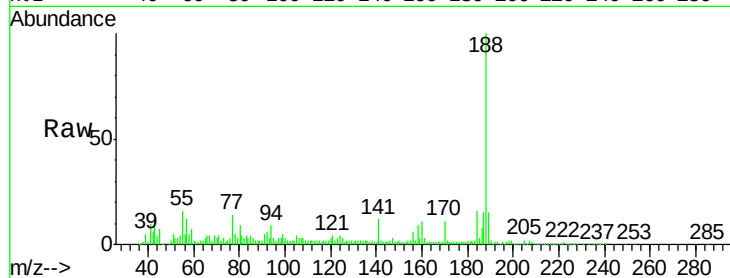




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107789.D
Acq: 28 Jul 2018 11:23

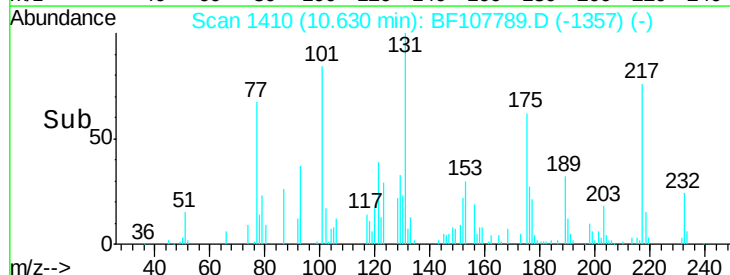
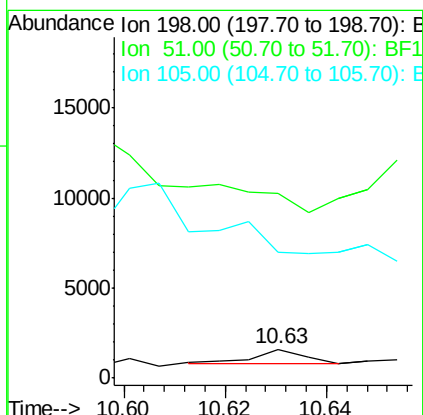
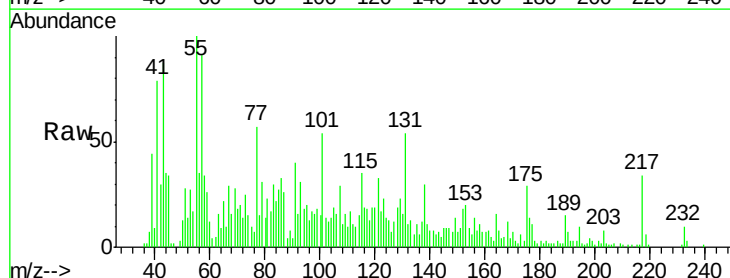
Instrument :
BNA_F
ClientSampleId :
PLASTIC-COAT

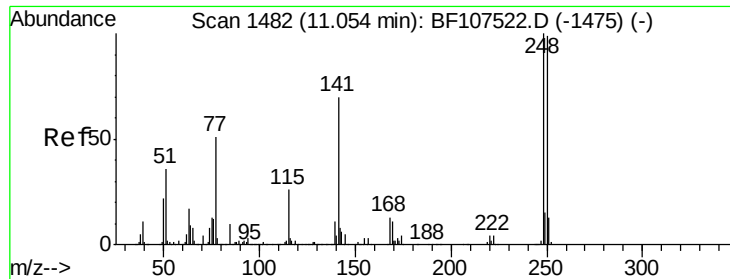
Tgt Ion:188 Resp: 356564
Ion Ratio Lower Upper
188 100
94 9.4 8.5 12.7
80 9.3 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.921 ng
RT: 10.63 min Scan# 1410
Delta R.T. 0.01 min
Lab File: BF107789.D
Acq: 28 Jul 2018 11:23

Tgt Ion:198 Resp: 504
Ion Ratio Lower Upper
198 100
51 643.7 37.7 77.7#
105 438.3 36.3 76.3#

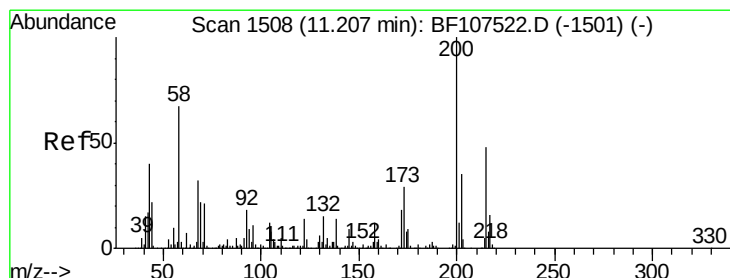
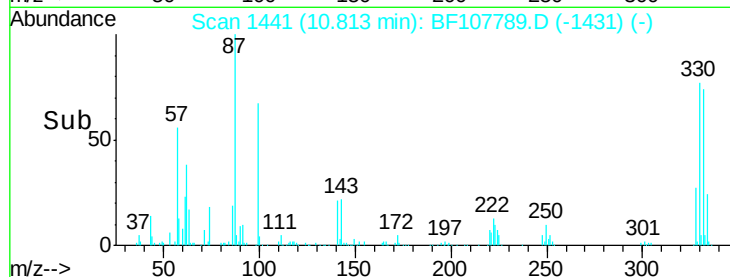
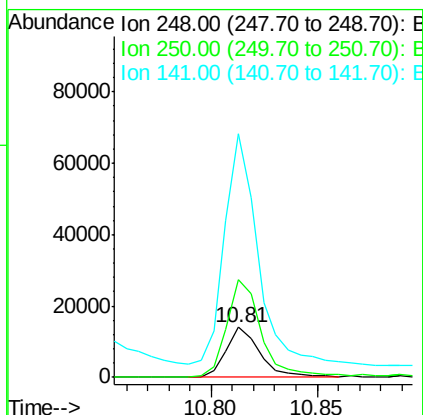
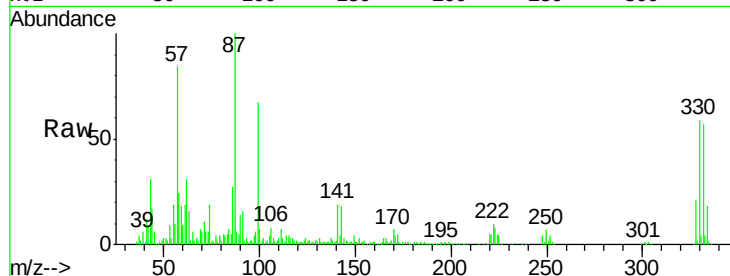




#66
4-Bromophenyl-phenylether
Concen: 3.713 ng
RT: 10.81 min Scan# 1441
Delta R.T. -0.24 min
Lab File: BF107789.D
Acq: 28 Jul 2018 11:23

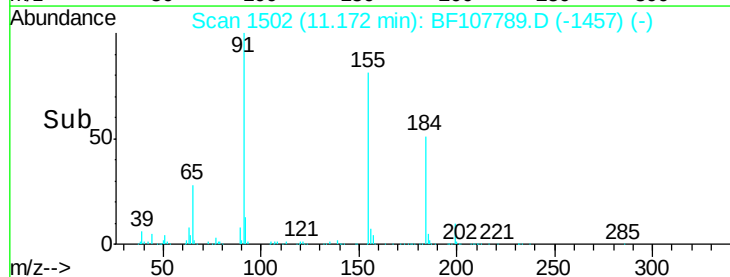
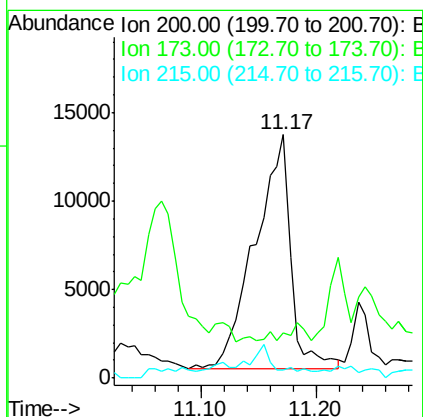
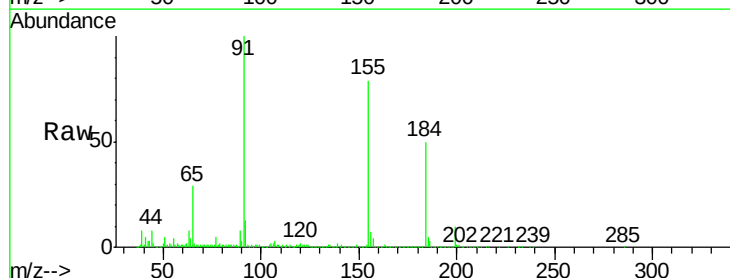
Instrument :
BNA_F
ClientSampleId :
PLASTIC-COAT

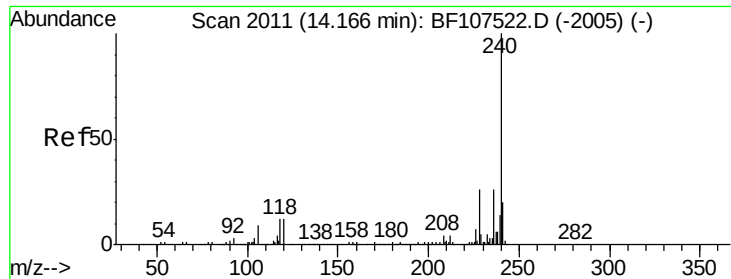
Tgt Ion:248 Resp: 15585
Ion Ratio Lower Upper
248 100
250 194.9 76.9 115.3#
141 486.4 74.4 111.6#



#68
Atrazine
Concen: 7.791 ng
RT: 11.17 min Scan# 1502
Delta R.T. -0.04 min
Lab File: BF107789.D
Acq: 28 Jul 2018 11:23

Tgt Ion:200 Resp: 28805
Ion Ratio Lower Upper
200 100
173 18.5 8.6 48.6
215 3.3 25.1 65.1#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107789.D

Acq: 28 Jul 2018 11:23

Instrument :

BNA_F

ClientSampleId :

PLASTIC-COAT

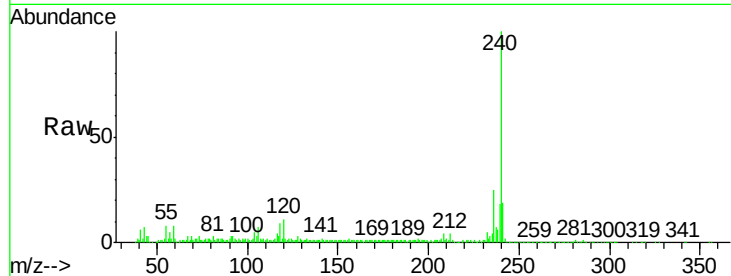
Tgt Ion:240 Resp: 406267

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

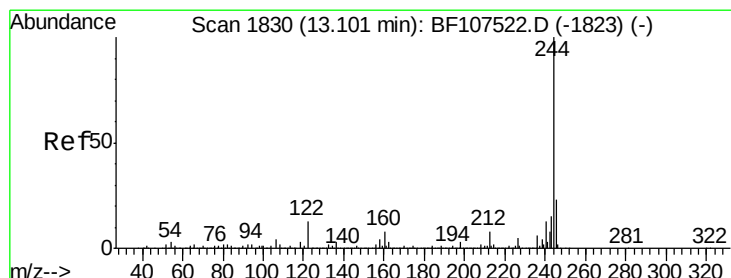
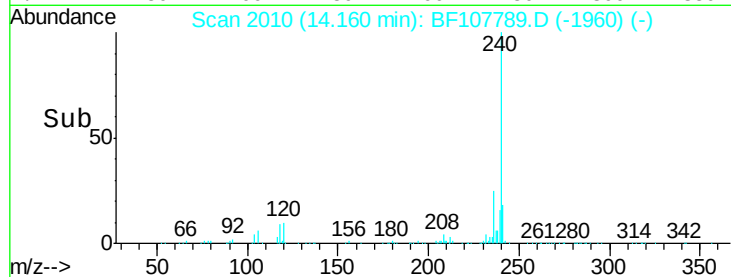
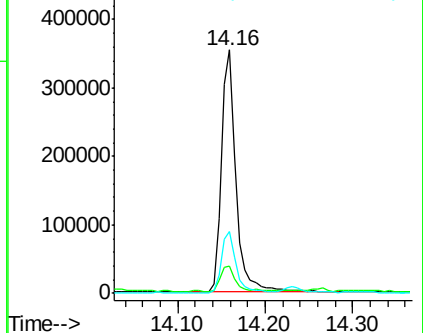
236 25.5 20.7 31.1



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: 86.491 ng

RT: 13.10 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BF107789.D

Acq: 28 Jul 2018 11:23

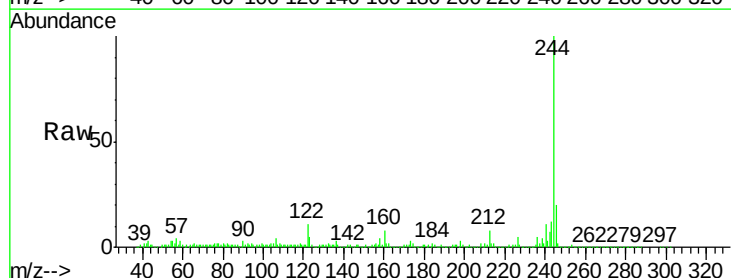
Tgt Ion:244 Resp: 1372549

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

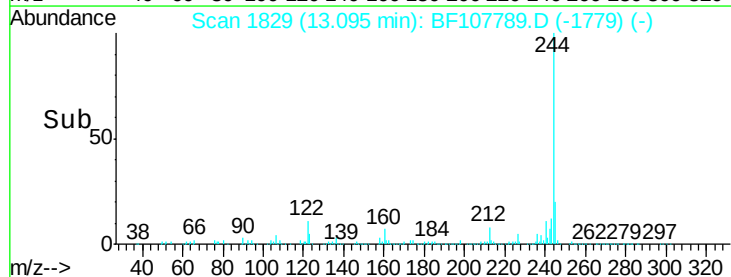
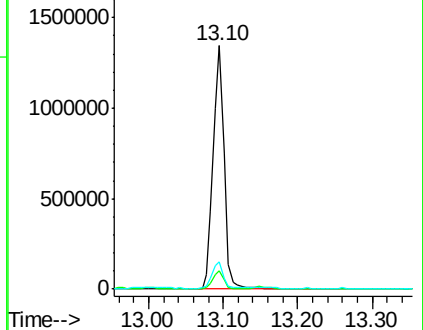
122 11.4 11.0 16.4

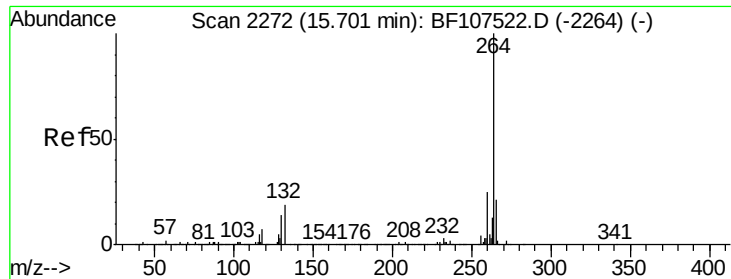


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

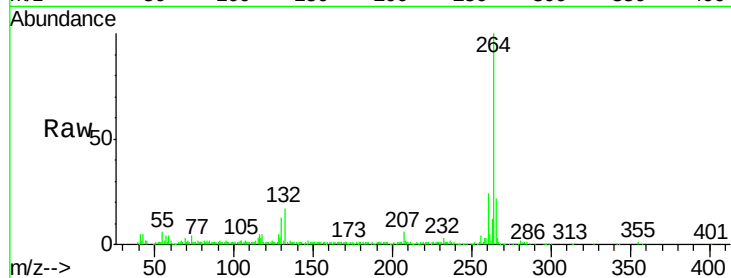




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF107789.D
Acq: 28 Jul 2018 11:23

Instrument :
BNA_F
ClientSampleId :
PLASTIC-COAT

Tgt Ion:	264	Resp:	323545
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.2	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

