

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100818\
 Data File : BF109663.D
 Acq On : 8 Oct 2018 22:25
 Operator : JU/SJ
 Sample : J5262-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N48964-BS

Quant Time: Oct 09 04:06:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	104434	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	402666	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	168636	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	284455	20.00	ng	0.00
75) Chrysene-d12	13.83	240	227284	20.00	ng	0.00
86) Perylene-d12	15.22	264	196290	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	285595	48.54	ng	0.00
7) Phenol-d6	6.35	99	263492	33.52	ng	-0.01
23) Nitrobenzene-d5	7.26	82	577859	79.11	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	184664	100.50	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	995337	81.29	ng	0.00
78) Terphenyl-d14	12.78	244	780408	66.47	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.37	88	124	0.040	ng	# 1
6) Aniline	6.47	93	503	0.055	ng	# 1
9) Benzaldehyde	6.47	77	13156	2.601	ng	# 77
10) Phenol	6.37	94	11929	1.324	ng	# 93
11) bis(2-Chloroethyl)ether	6.47	93	503	0.067	ng	# 1
15) Benzyl Alcohol	6.85	79	8998	1.544	ng	# 52
19) n-Nitroso-di-n-propylamine	7.26	70	75772	13.747	ng	# 77
24) Nitrobenzene	7.26	77	1382	0.182	ng	# 30
25) Isophorone	7.26	82	577859	47.639	ng	# 67
28) bis(2-Chloroethoxy)methane	8.00	93	128	0.016	ng	# 49
31) Naphthalene	8.00	128	2846	0.153	ng	# 68
37) 2-Methylnaphthalene	8.79	142	132	0.011	ng	# 15
45) 1,1'-Biphenyl	9.16	154	1306	0.087	ng	# 88
46) 2-Chloronaphthalene	9.45	162	138	0.012	ng	# 1
47) 2-Nitroaniline	9.45	65	158	0.046	ng	# 1
48) Acenaphthylene	9.76	152	1084	0.066	ng	# 1
49) Dimethylphthalate	9.45	163	43371	3.507	ng	# 99
50) 2,6-Dinitrotoluene	9.72	165	21102	7.871	ng	# 22
51) Acenaphthene	9.76	154	2153	0.221	ng	# 97
56) 2,4-Dinitrotoluene	9.72	165	21102	6.307	ng	# 18
57) Fluorene	10.27	166	507	0.046	ng	# 76
59) Diethylphthalate	10.15	149	1140	0.093	ng	# 59
62) Azobenzene	10.51	77	692	0.056	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.51	198	391	0.282	ng	# 1
65) n-Nitrosodiphenylamine	10.51	169	5517	0.572	ng	# 44
66) 4-Bromophenyl-phenylether	10.51	248	10817	3.310	ng	# 1
70) Phenanthrene	11.23	178	302	0.021	ng	# 60
71) Anthracene	11.29	178	156	0.011	ng	# 60
73) Di-n-butylphthalate	11.77	149	1256	0.076	ng	# 77
74) Fluoranthene	12.41	202	242	0.016	ng	# 64
76) Benzidine	12.78	184	10147	1.202	ng	# 95
77) Pyrene	12.64	202	301	0.018	ng	# 56
80) Benzo(a)anthracene	13.82	228	885	0.071	ng	# 51
82) Chrysene	13.85	228	115	0.009	ng	# 49

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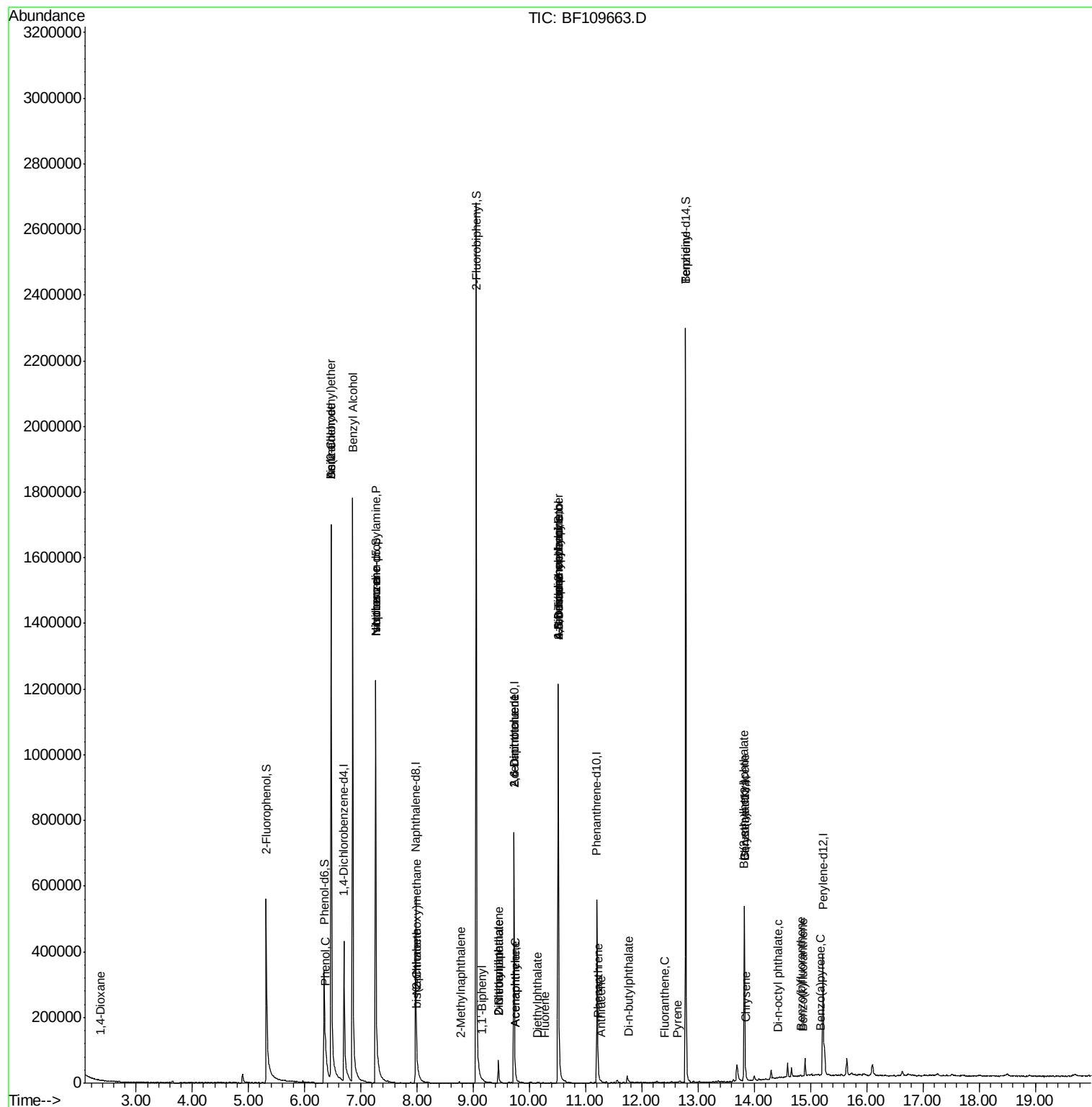
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Bis(2-ethylhexyl)phthalate	13.82	149	1192	0.135	ng	# 93
84) Di-n-octyl phthalate	14.42	149	730	0.052	ng	# 1
87) Benzo(b)fluoranthene	14.83	252	299	0.028	ng	# 60
88) Benzo(k)fluoranthene	14.86	252	225	0.021	ng	# 61
89) Benzo(a)pyrene	15.17	252	130	0.013	ng	# 1

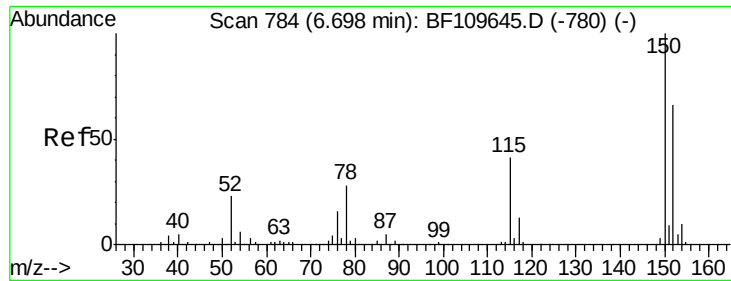
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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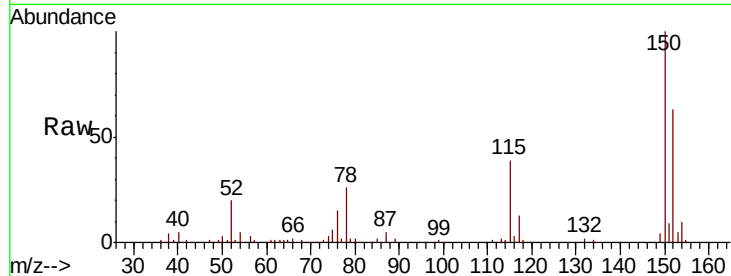


#1

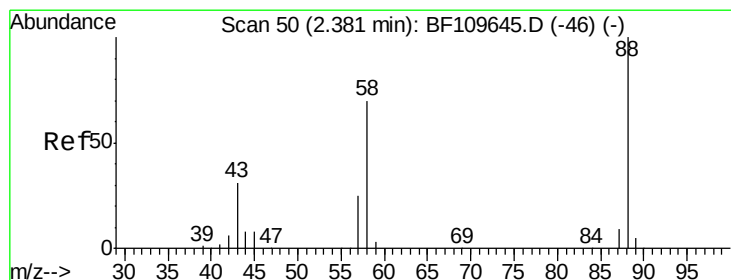
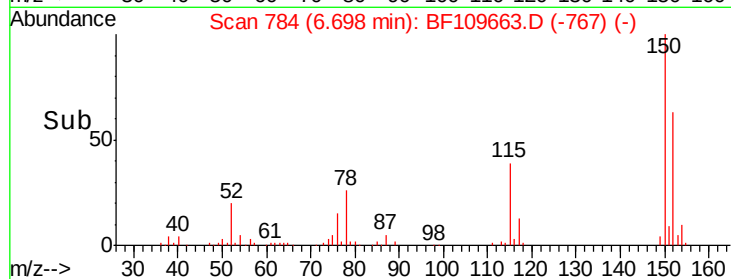
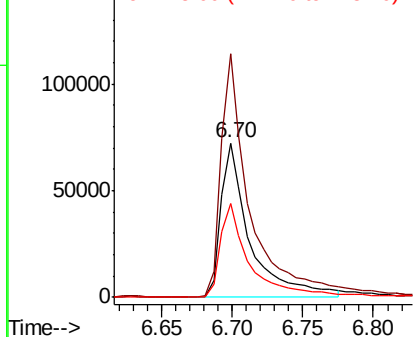
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.00 min
Lab File: BF109663.D
Acq: 8 Oct 2018 22:25

Instrument :
BNA_F
ClientSampleId :
N48964-BS

Tgt Ion:152 Resp: 104434
Ion Ratio Lower Upper
152 100
150 157.6 122.7 184.1
115 60.8 49.1 73.7



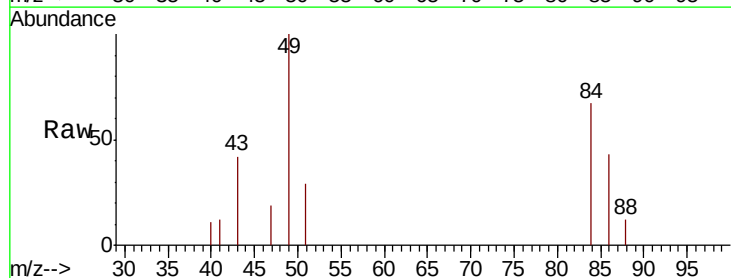
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



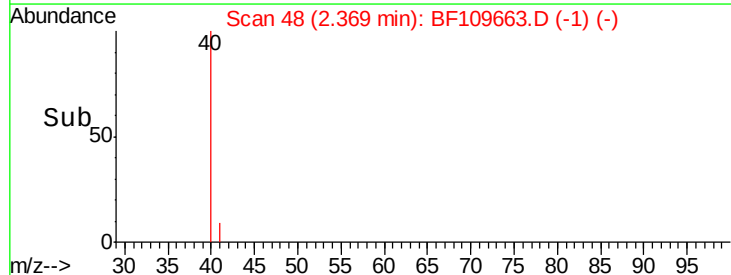
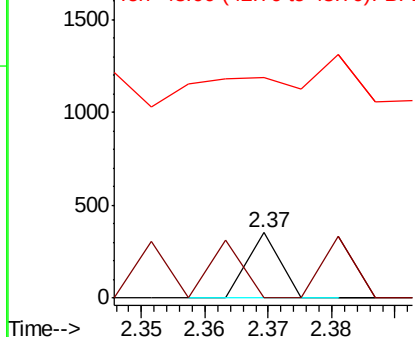
#2

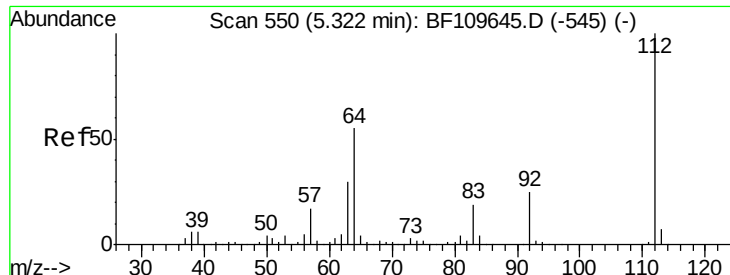
1,4-Dioxane
Concen: 0.040 ng
RT: 2.37 min Scan# 48
Delta R.T. -0.01 min
Lab File: BF109663.D
Acq: 8 Oct 2018 22:25

Tgt Ion: 88 Resp: 124
Ion Ratio Lower Upper
88 100
58 176.6 57.1 85.7#
43 0.0 24.1 36.1#



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





#5

2-Fluorophenol

Concen: 48.542 ng

RT: 5.32 min Scan# 549

Delta R.T. -0.00 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

Instrument :

BNA_F

ClientSampleId :

N48964-BS

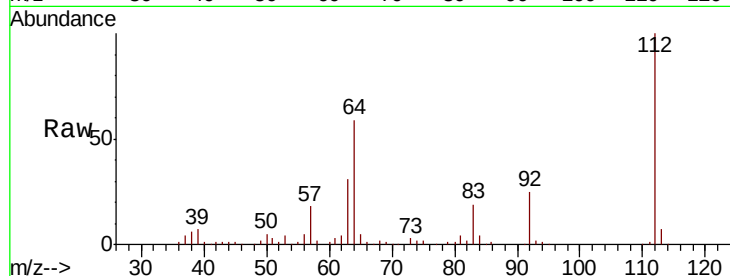
Tgt Ion: 112 Resp: 285595

Ion Ratio Lower Upper

112 100

64 58.5 44.1 66.1

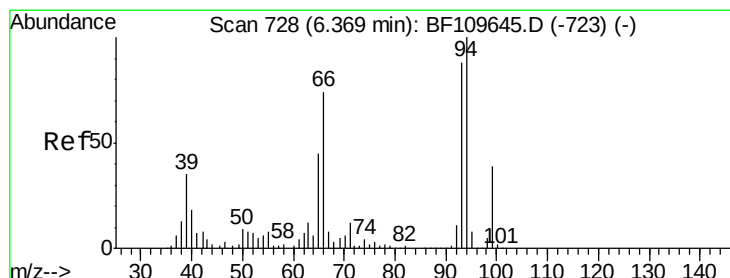
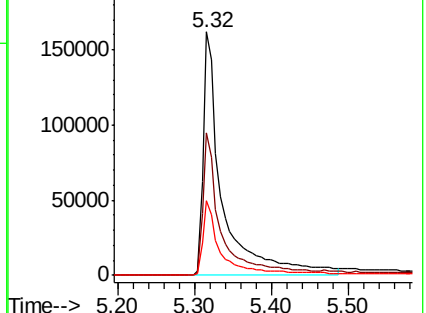
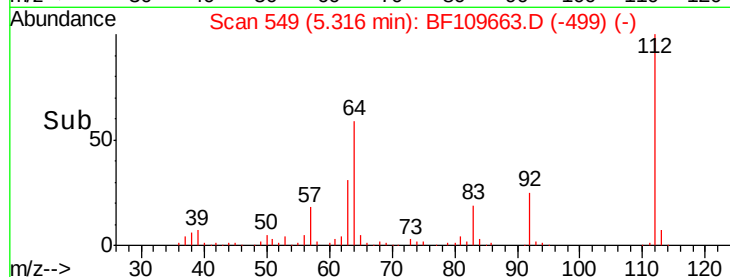
63 30.6 23.7 35.5



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



#6

Aniline

Concen: 0.055 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.10 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

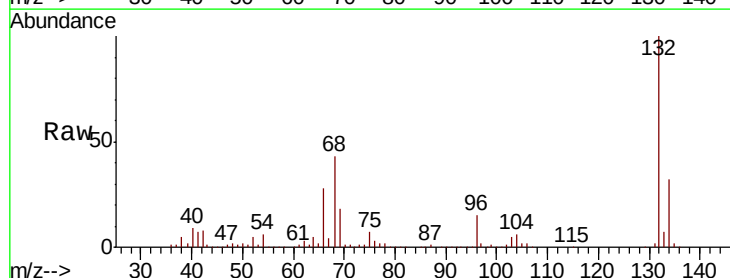
Tgt Ion: 93 Resp: 503

Ion Ratio Lower Upper

93 100

66 20001.2 67.4 101.0#

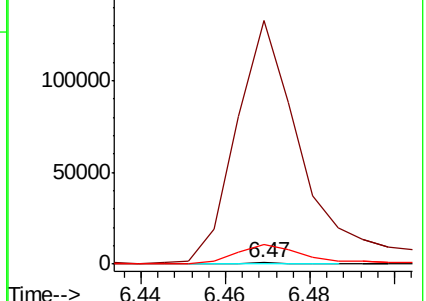
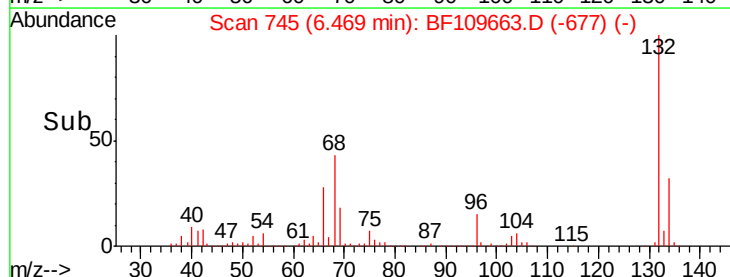
65 1638.0 41.0 61.4#

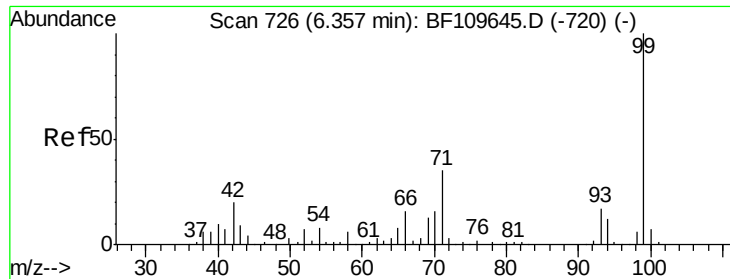


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 33.524 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

Instrument :

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ClientSampleId :

N48964-BS

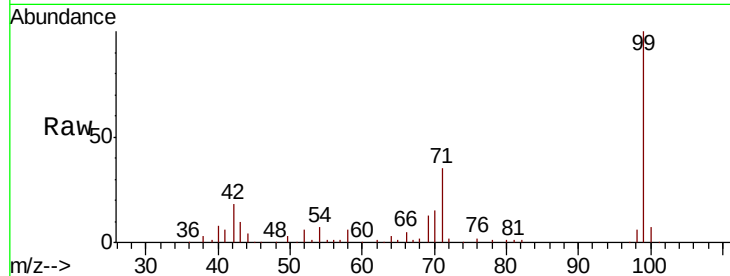
Tgt Ion: 99 Resp: 263492

Ion Ratio Lower Upper

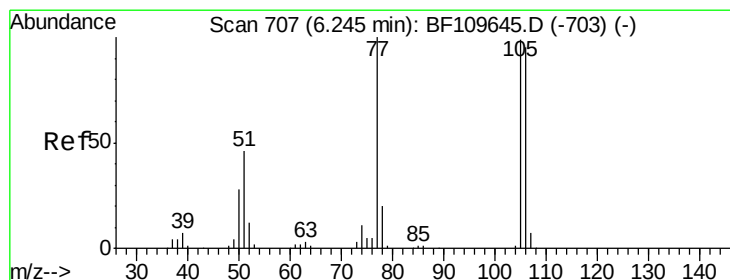
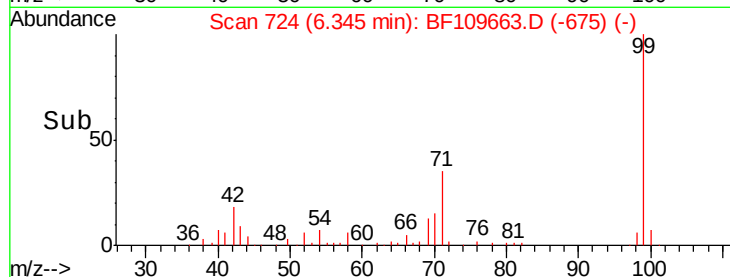
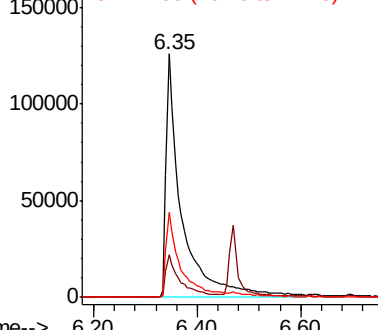
99 100

42 17.6 15.8 23.6

71 34.6 28.0 42.0



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: 2.601 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.22 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

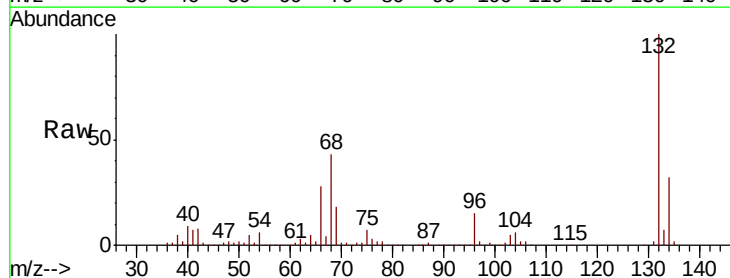
Tgt Ion: 77 Resp: 13156

Ion Ratio Lower Upper

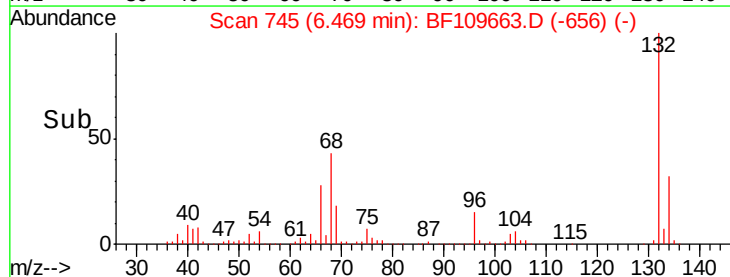
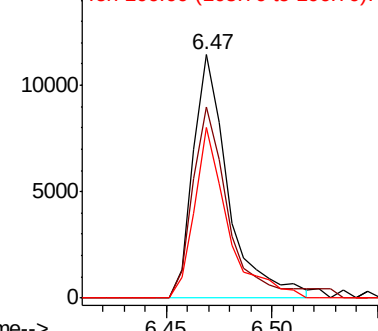
77 100

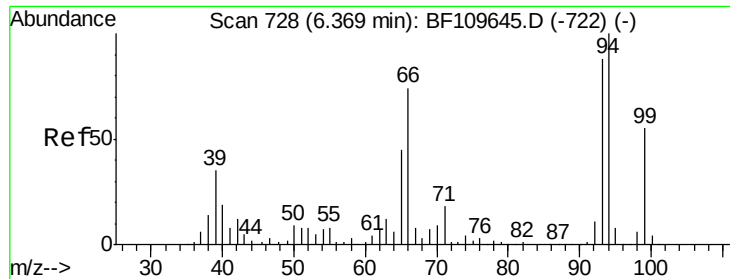
105 78.4 78.6 118.6#

106 70.0 74.8 114.8#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 1.324 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

Instrument :

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ClientSampleId :

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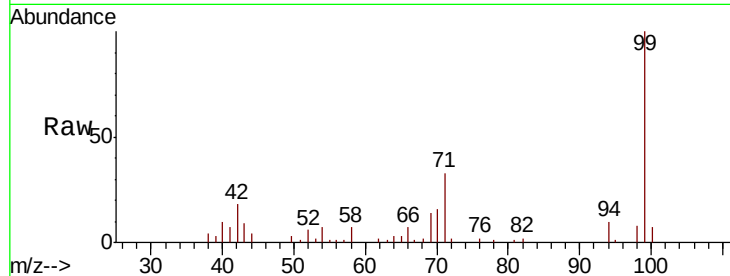
Tgt Ion: 94 Resp: 11929

Ion Ratio Lower Upper

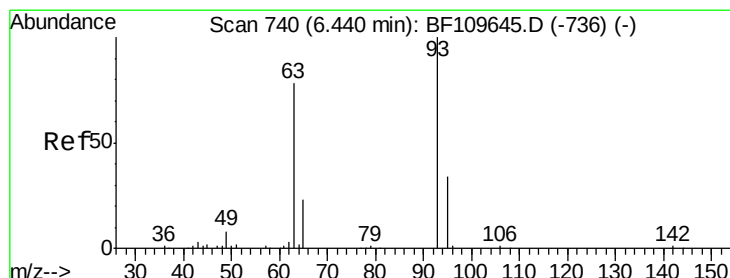
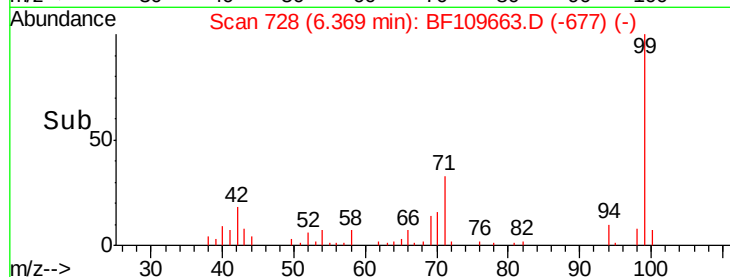
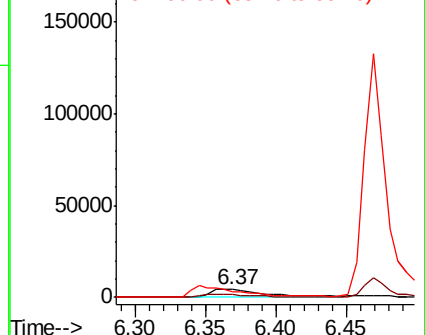
94 100

65 34.8 25.3 65.3

66 75.9 54.5 94.5



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



#11

bis(2-Chloroethyl)ether

Concen: 0.067 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.03 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

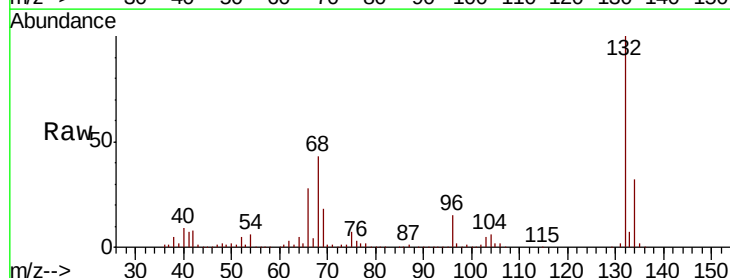
Tgt Ion: 93 Resp: 503

Ion Ratio Lower Upper

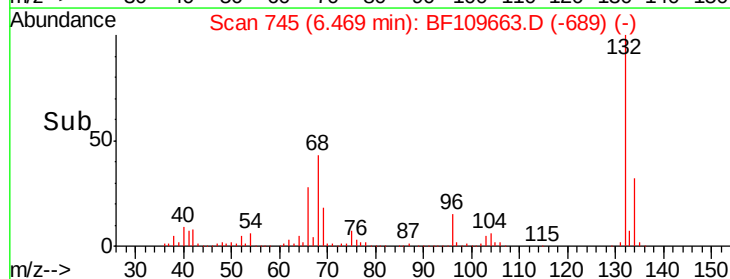
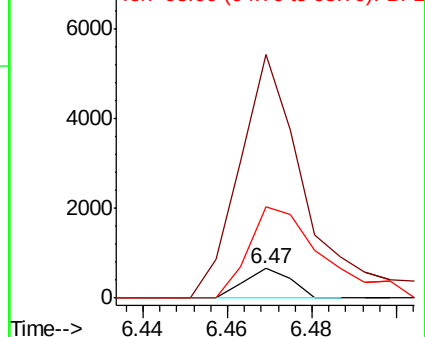
93 100

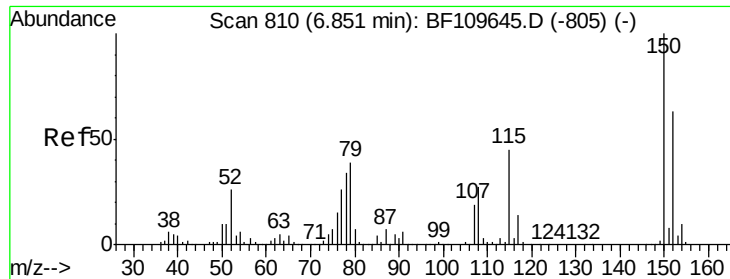
63 820.1 53.4 93.4#

95 308.3 12.1 52.1#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1





#15

Benzyl Alcohol

Concen: 1.544 ng

RT: 6.85 min Scan# 810

Delta R.T. 0.00 min

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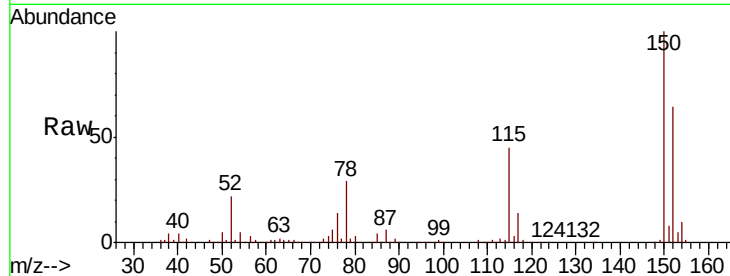
Tgt Ion: 79 Resp: 8998

Ion Ratio Lower Upper

79 100

108 29.4 56.3 84.5#

77 103.4 52.9 79.3#

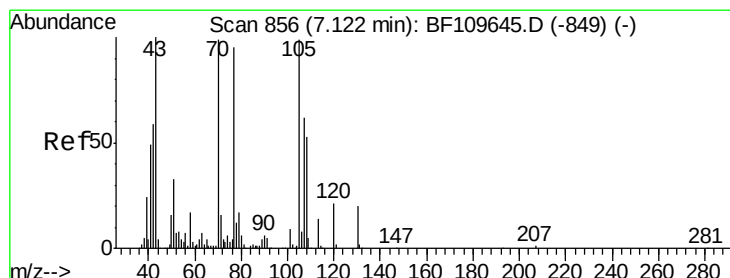
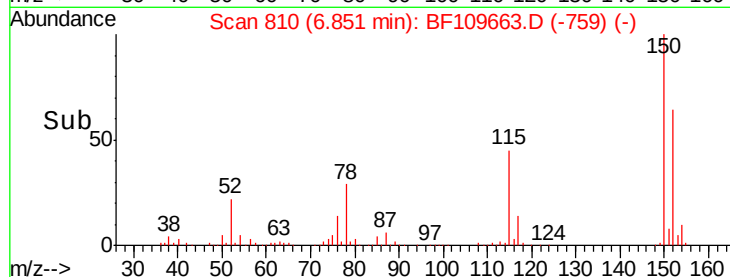
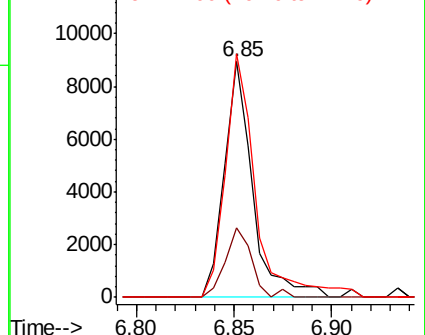


Abundance

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: 13.747 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

Tgt Ion: 70 Resp: 75772

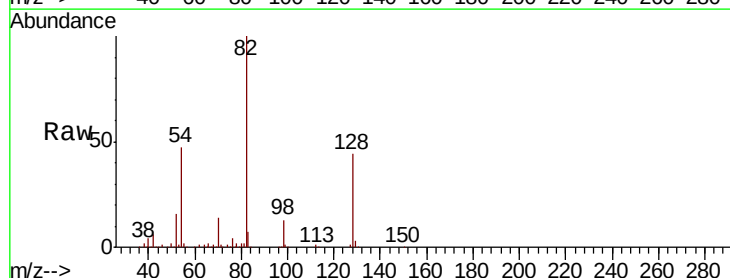
Ion Ratio Lower Upper

70 100

42 46.0 47.4 71.2#

101 0.0 7.3 10.9#

130 2.0 16.2 24.2#



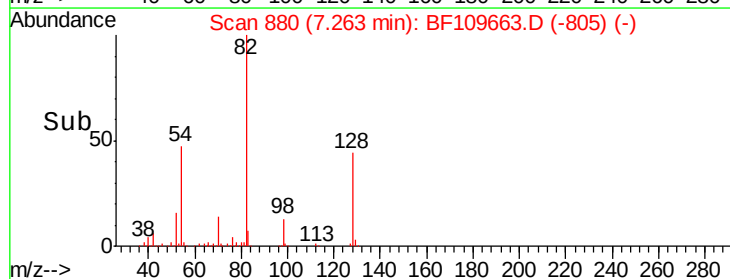
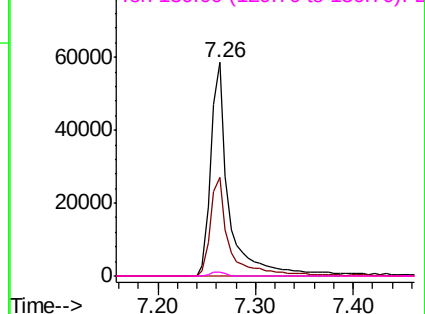
Abundance

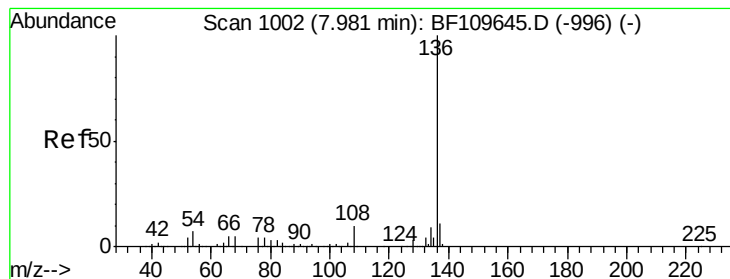
Ion 70.00 (69.70 to 70.70): BF1

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

Instrument :

BNA_F

ClientSampleId :

N48964-BS

Tgt Ion:136 Resp: 402666

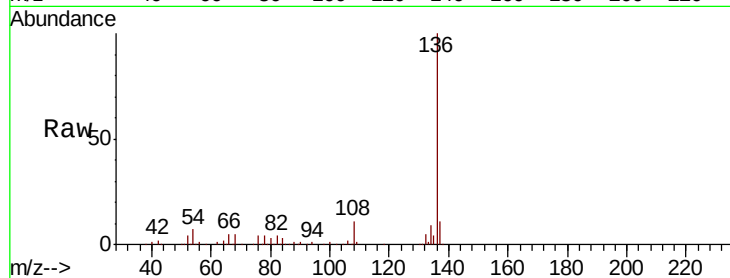
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.4 5.4 8.2

68 5.3 4.2 6.2

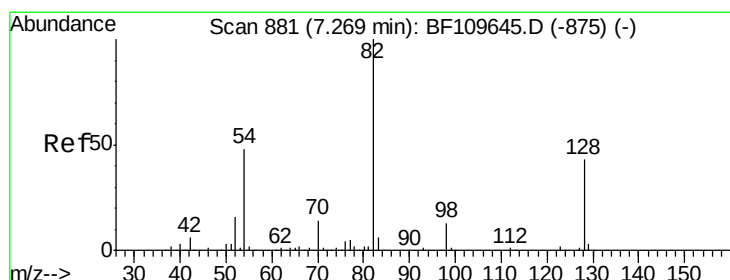
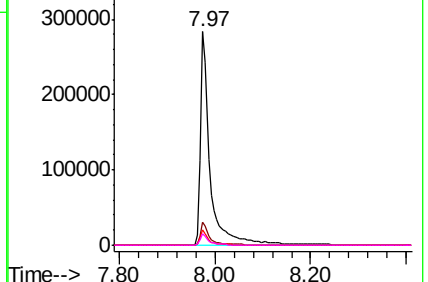
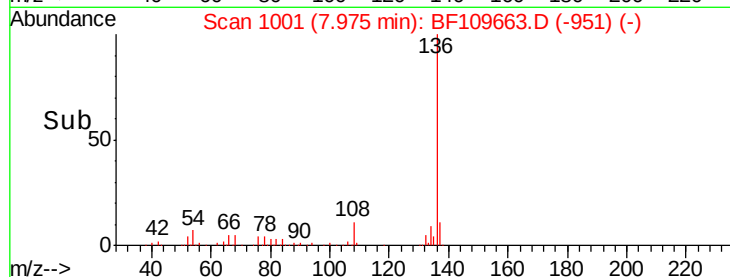


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.107 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

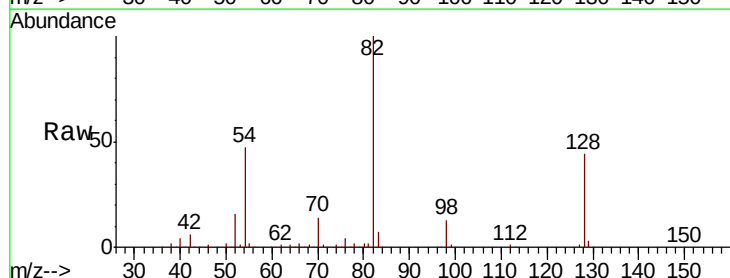
Tgt Ion: 82 Resp: 577859

Ion Ratio Lower Upper

82 100

128 43.7 34.2 51.2

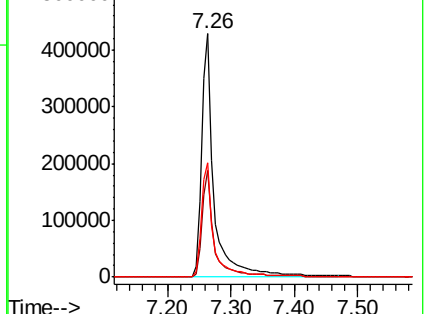
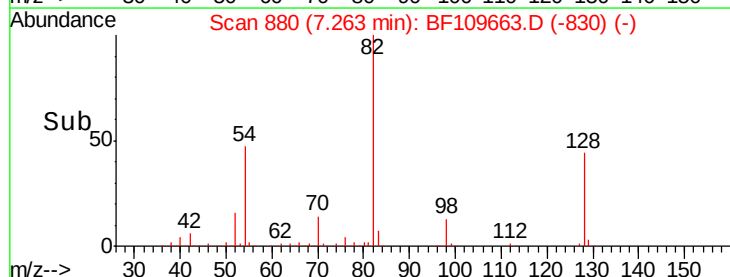
54 47.0 38.6 58.0

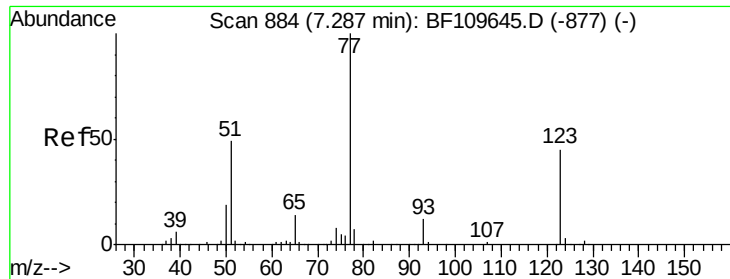


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

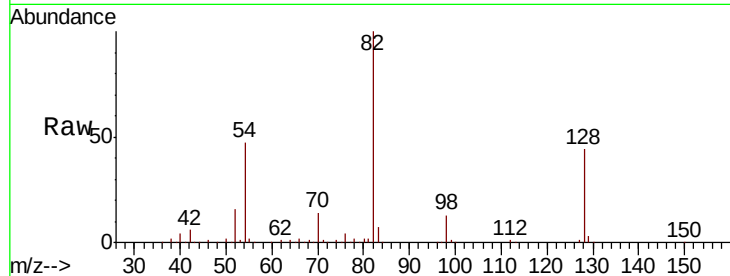




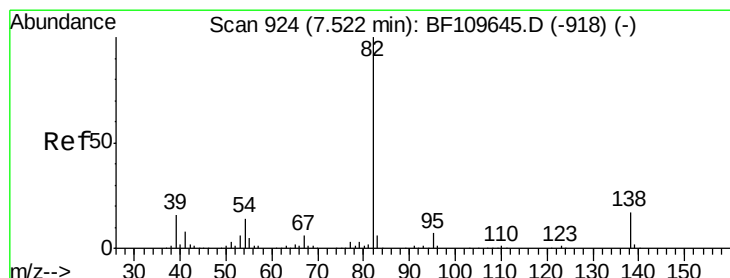
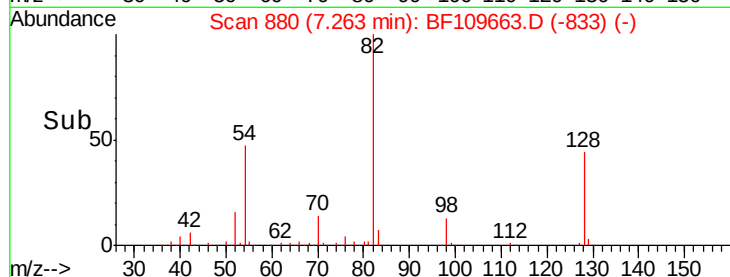
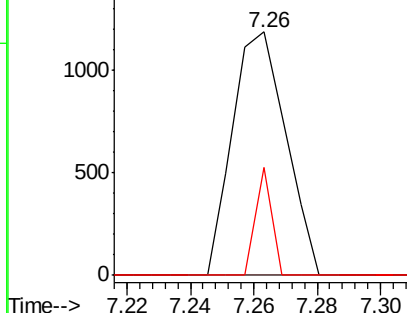
#24
 Nitrobenzene
 Concen: 0.182 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109663.D
 Acq: 8 Oct 2018 22:25

Instrument :
 BNA_F
 ClientSampleId :
 N48964-BS

Tgt Ion: 77 Resp: 1382
 Ion Ratio Lower Upper
 77 100
 123 0.0 35.7 53.5#
 65 44.2 10.7 16.1#

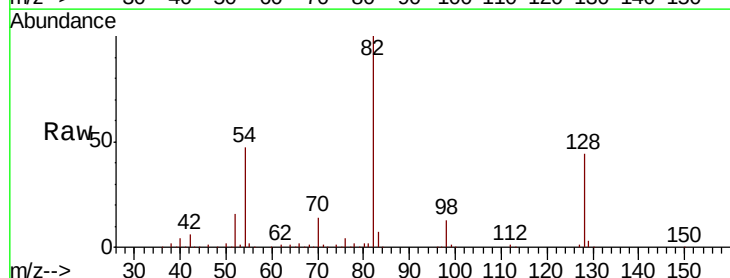


Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): E
 Ion 65.00 (64.70 to 65.70): BF1

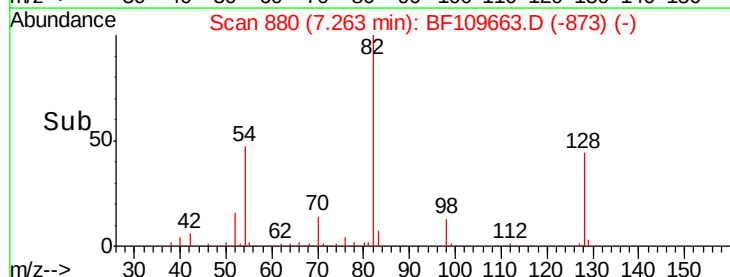
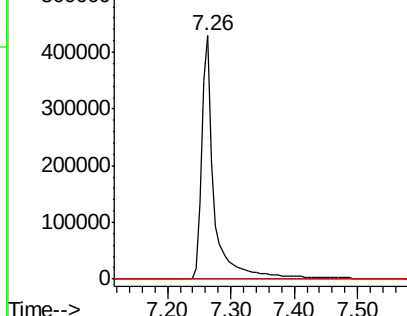


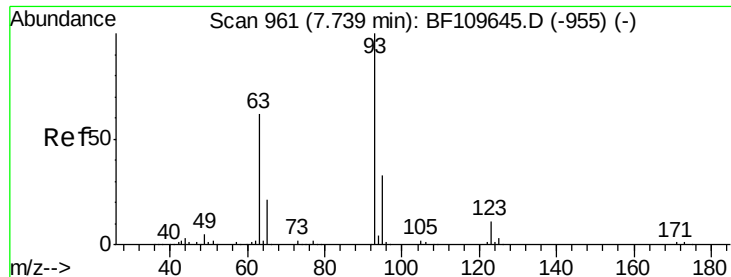
#25
 Isophorone
 Concen: 47.639 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.26 min
 Lab File: BF109663.D
 Acq: 8 Oct 2018 22:25

Tgt Ion: 82 Resp: 577859
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 13.2 19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): E

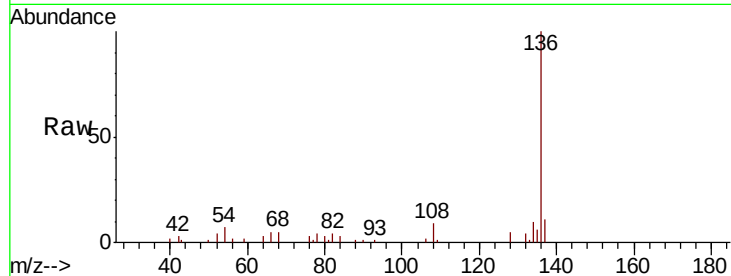




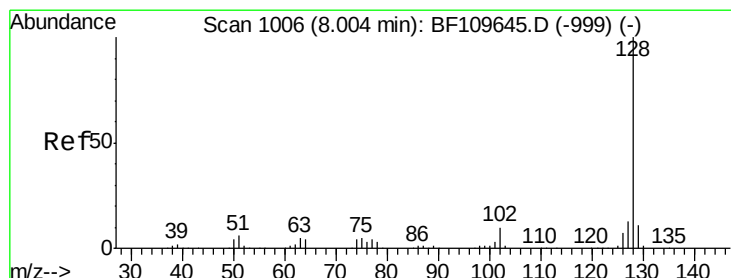
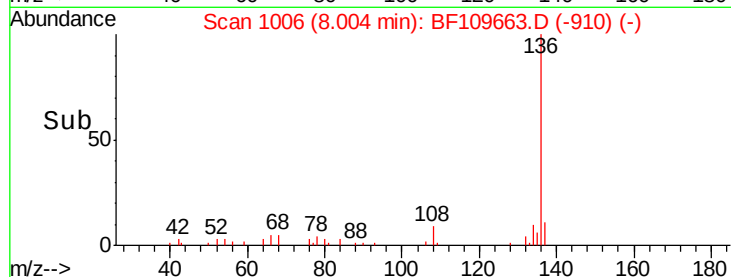
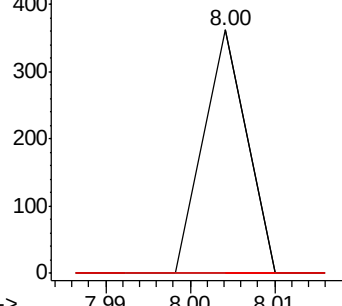
#28
bis(2-Chloroethoxy)methane
Concen: 0.016 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.26 min
Lab File: BF109663.D
Acq: 8 Oct 2018 22:25

Instrument :
BNA_F
ClientSampleId :
N48964-BS

Tgt Ion: 93 Resp: 128
Ion Ratio Lower Upper
93 100
95 0.0 26.4 39.6#
123 0.0 9.0 13.6#

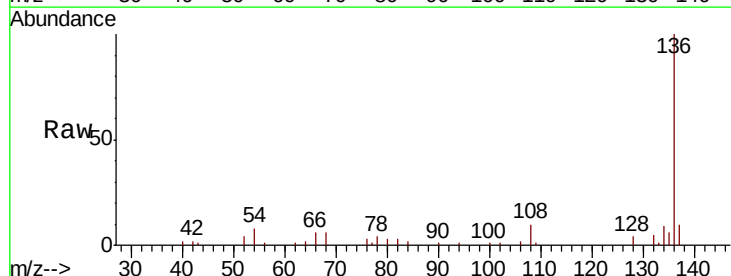


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): BF1

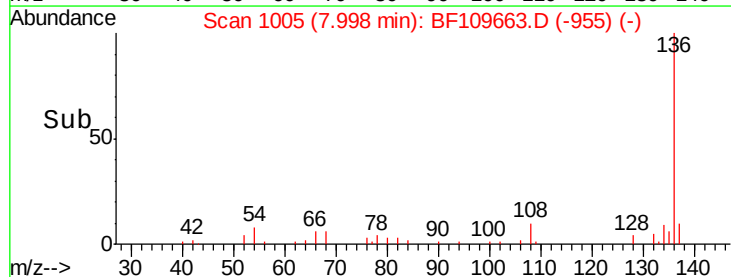
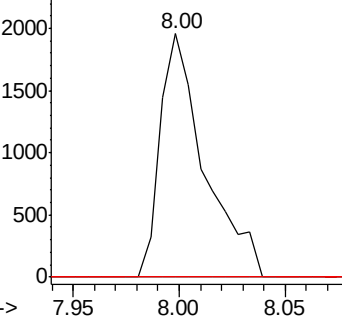


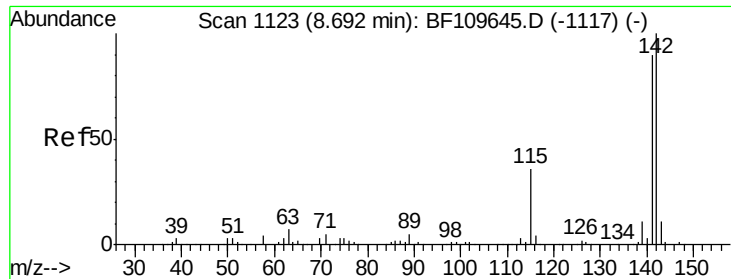
#31
Naphthalene
Concen: 0.153 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF109663.D
Acq: 8 Oct 2018 22:25

Tgt Ion: 128 Resp: 2846
Ion Ratio Lower Upper
128 100
129 0.0 8.8 13.2#
127 0.0 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

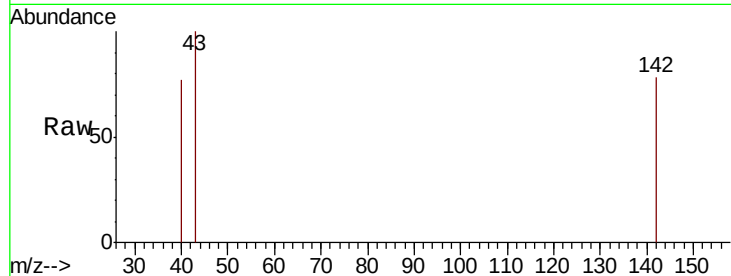




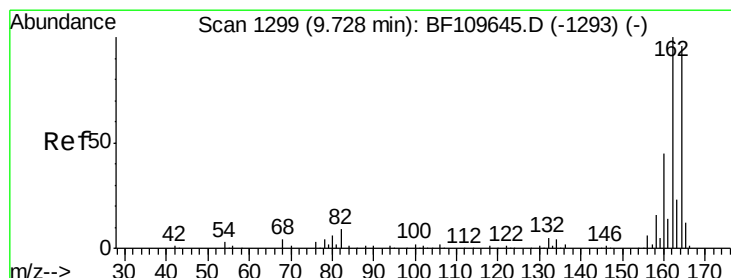
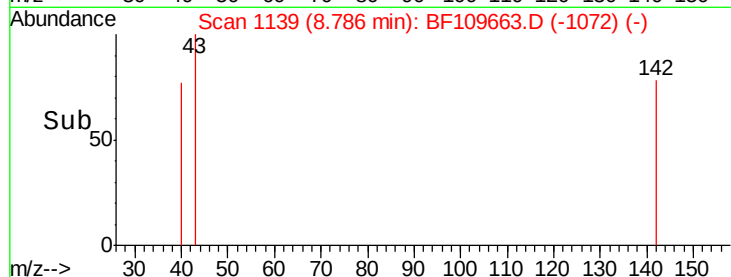
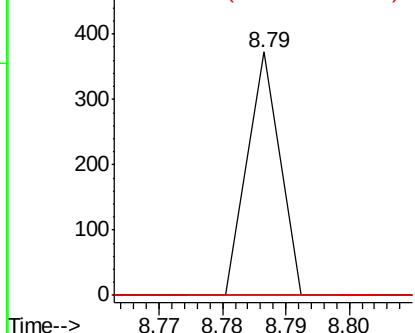
#37
 2-Methylnaphthalene
 Concen: 0.011 ng
 RT: 8.79 min Scan# 1139
 Delta R.T. 0.09 min
 Lab File: BF109663.D
 Acq: 8 Oct 2018 22:25

Instrument :
 BNA_F
 ClientSampleId :
 N48964-BS

Tgt Ion:142 Resp: 132
 Ion Ratio Lower Upper
 142 100
 141 0.0 71.4 107.2#
 115 0.0 28.7 43.1#

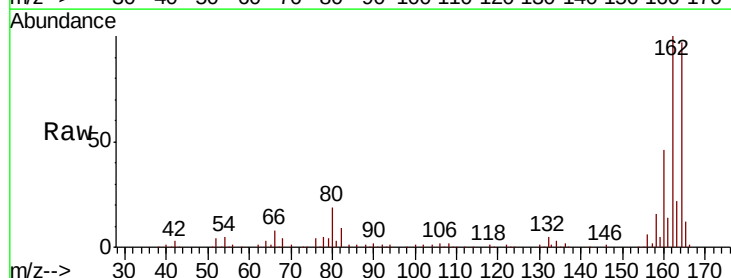


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

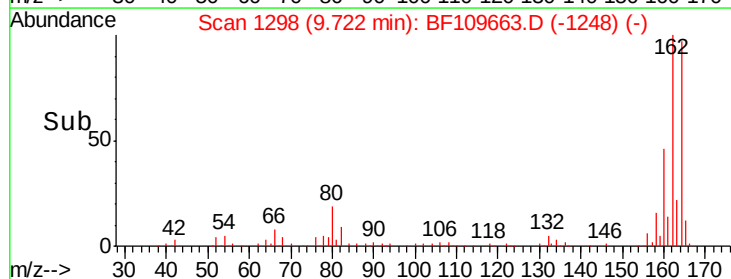
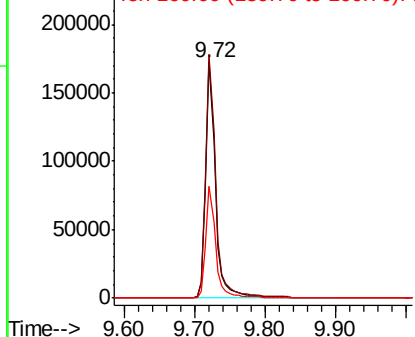


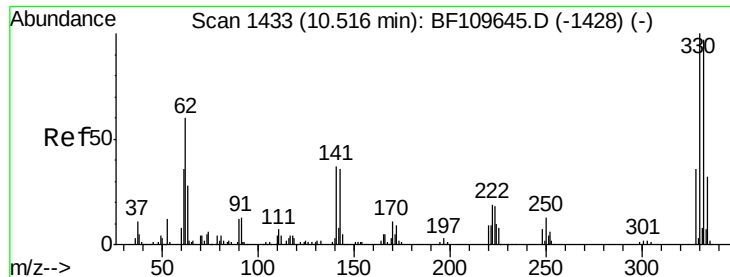
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF109663.D
 Acq: 8 Oct 2018 22:25

Tgt Ion:164 Resp: 168636
 Ion Ratio Lower Upper
 164 100
 162 103.2 83.0 124.6
 160 47.3 37.0 55.6



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

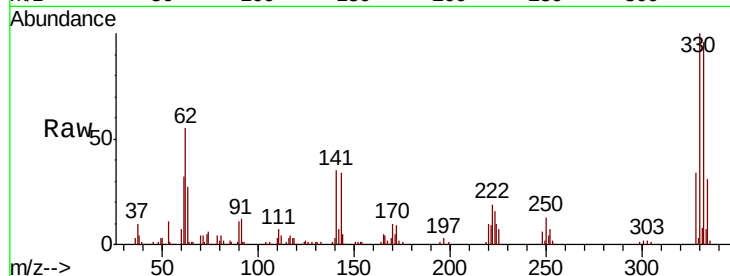




#41
 2,4,6-Tribromophenol
 Concen: 100.499 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109663.D
 Acq: 8 Oct 2018 22:25

Instrument :
 BNA_F
 ClientSampleId :
 N48964-BS

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.1	115.7
141	34.5	27.0	40.4

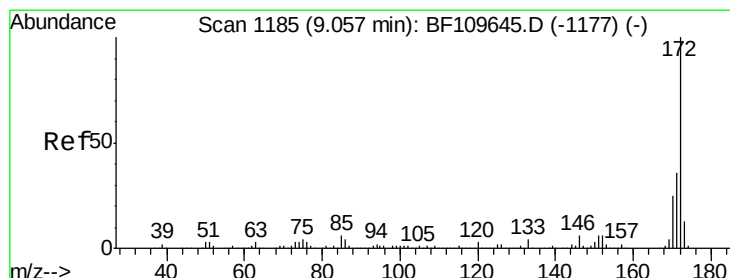
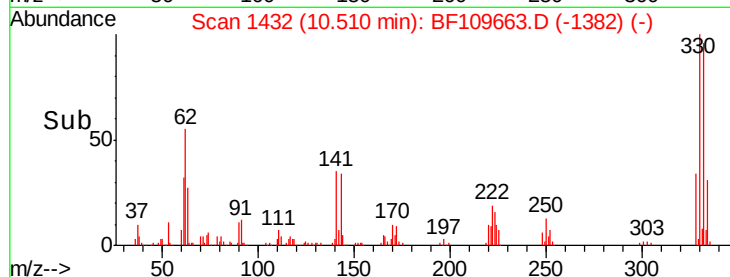
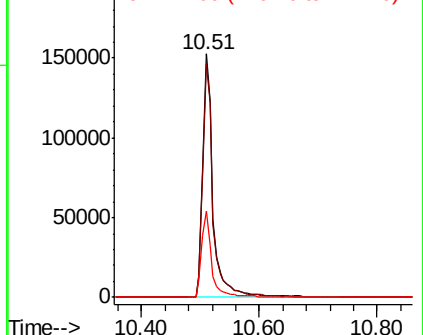


Abundance

Ion 329.80 (329.50 to 330.50): E

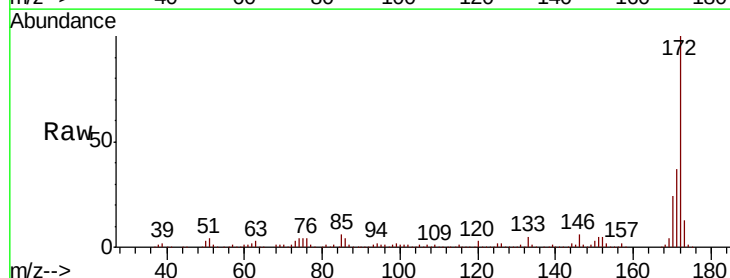
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 81.289 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109663.D
 Acq: 8 Oct 2018 22:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	24.3	19.7	29.5

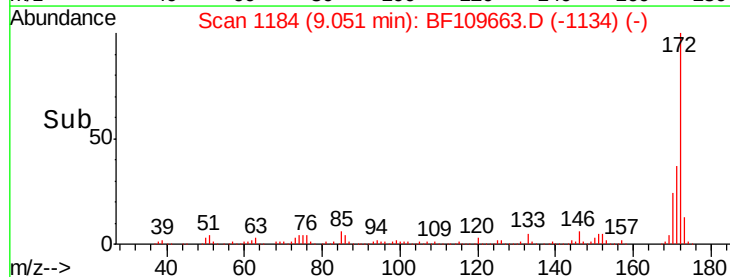
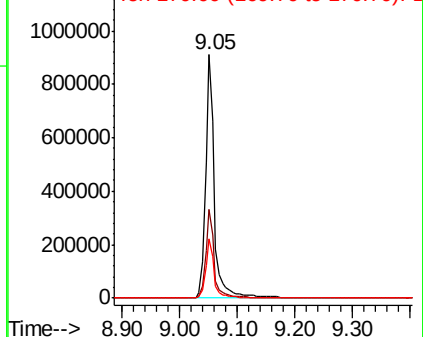


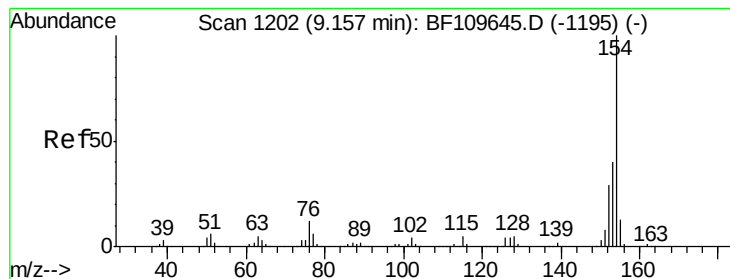
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 0.087 ng

RT: 9.16 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

Instrument :

BNA_F

ClientSampleId :

N48964-BS

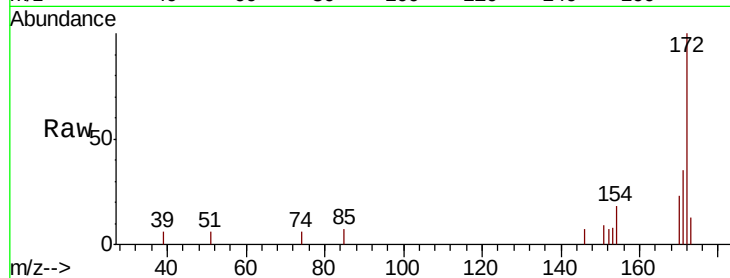
Tgt Ion:154 Resp: 1306

Ion Ratio Lower Upper

154 100

153 44.6 20.4 60.4

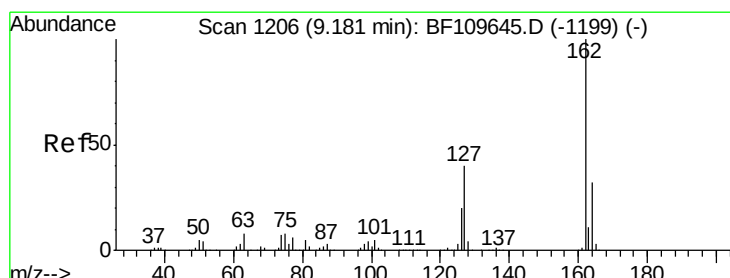
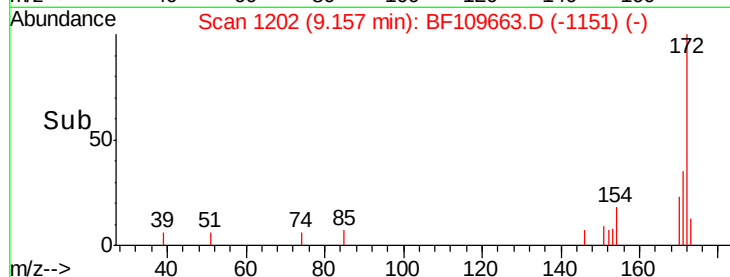
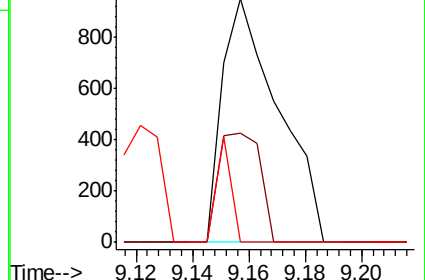
76 0.0 0.0 31.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 0.012 ng

RT: 9.45 min Scan# 1251

Delta R.T. 0.26 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

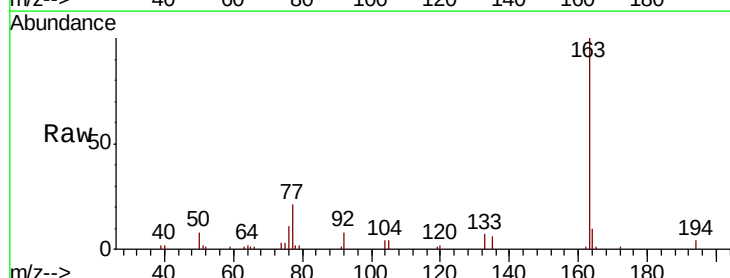
Tgt Ion:162 Resp: 138

Ion Ratio Lower Upper

162 100

127 0.0 32.6 48.8#

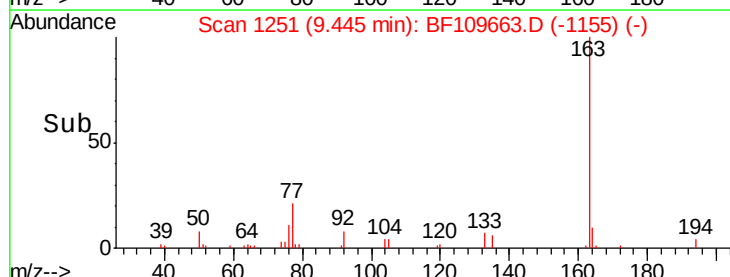
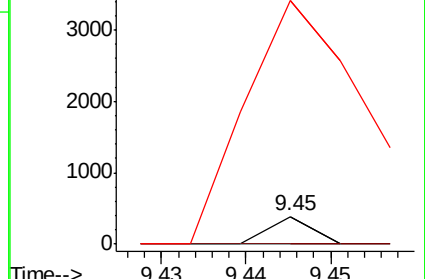
164 871.6 25.9 38.9#

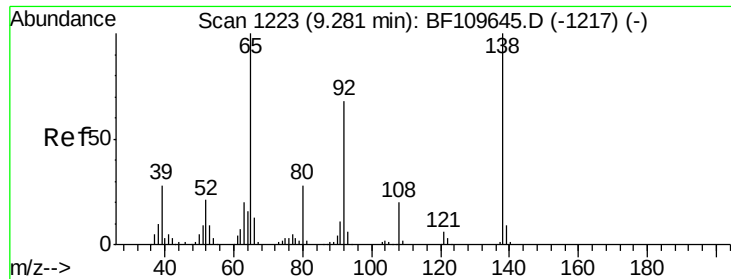


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

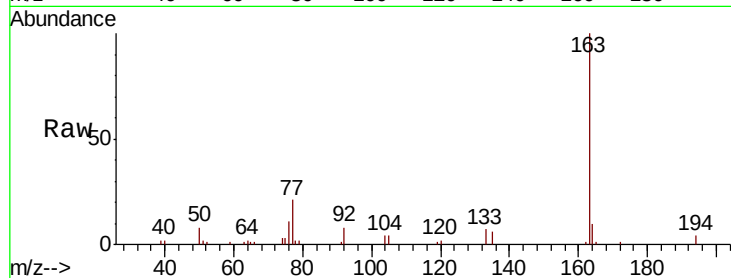




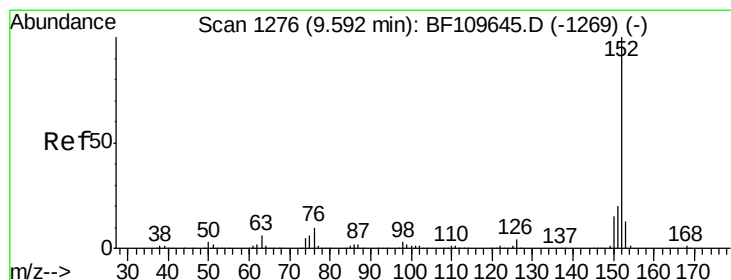
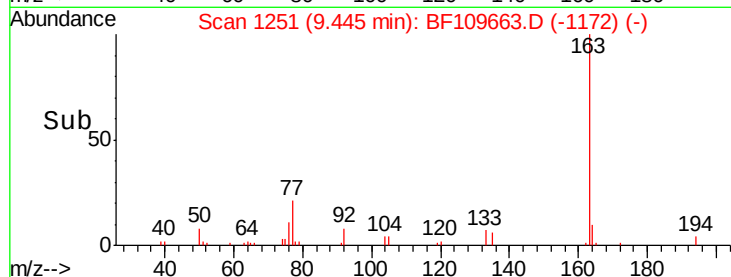
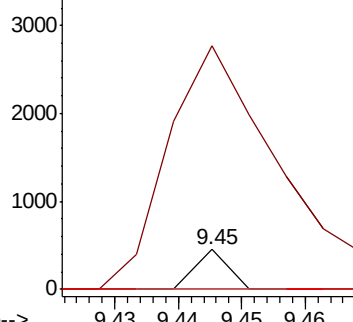
#47
2-Nitroaniline
Concen: 0.046 ng
RT: 9.45 min Scan# 1251
Delta R.T. 0.16 min
Lab File: BF109663.D
Acq: 8 Oct 2018 22:25

Instrument :
BNA_F
ClientSampleId :
N48964-BS

Tgt Ion: 65 Resp: 158
Ion Ratio Lower Upper
65 100
92 616.7 54.6 81.8#
138 0.0 80.3 120.5#

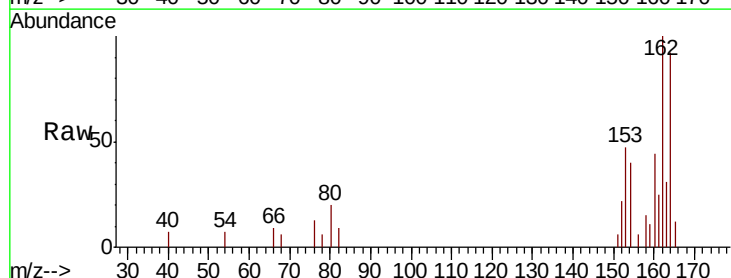


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

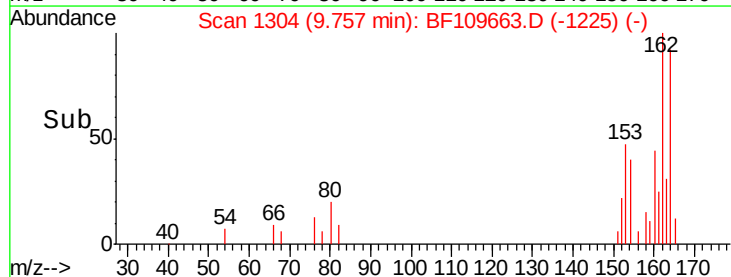
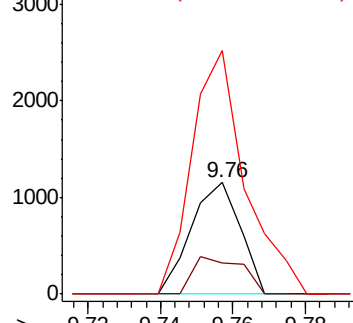


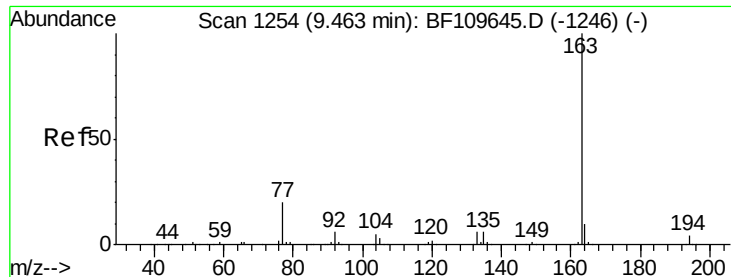
#48
Acenaphthylene
Concen: 0.066 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.16 min
Lab File: BF109663.D
Acq: 8 Oct 2018 22:25

Tgt Ion: 152 Resp: 1084
Ion Ratio Lower Upper
152 100
151 27.4 15.8 23.8#
153 218.3 10.4 15.6#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

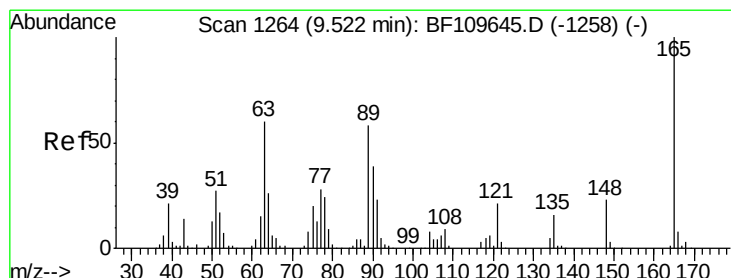
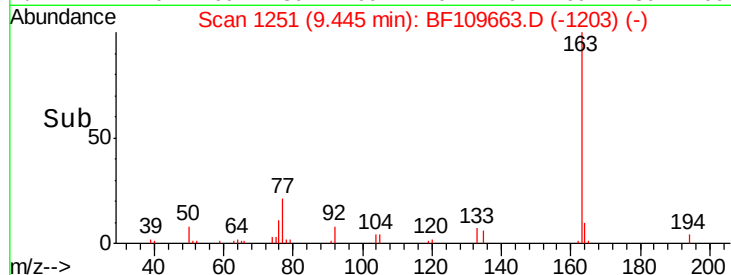
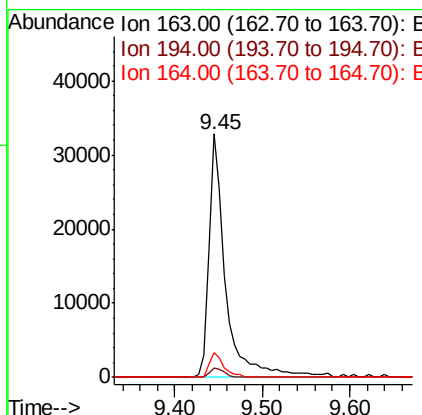
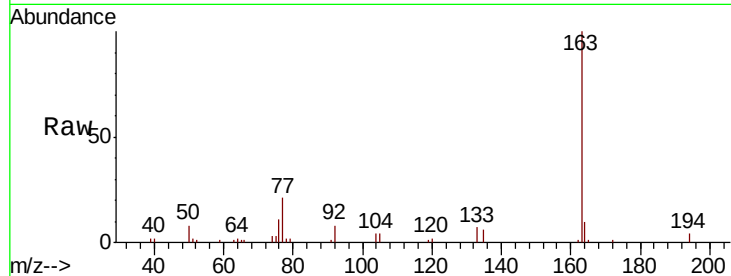




#49
 Dimethylphthalate
 Concen: 3.507 ng
 RT: 9.45 min Scan# 1251
 Delta R.T. -0.02 min
 Lab File: BF109663.D
 Acq: 8 Oct 2018 22:25

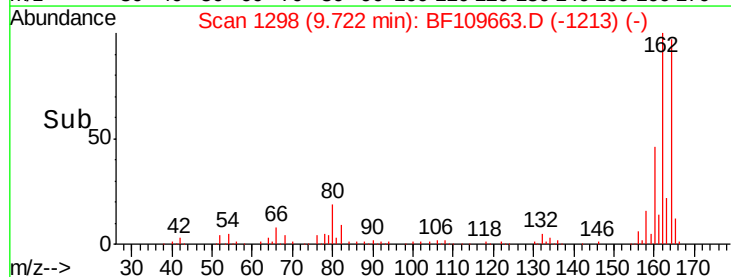
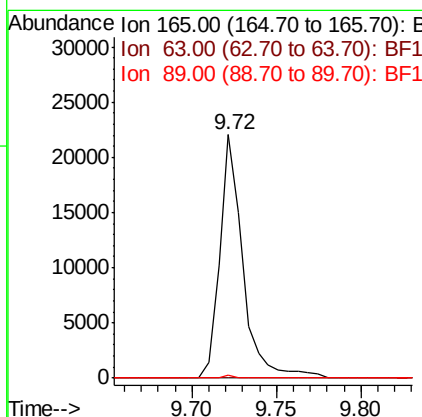
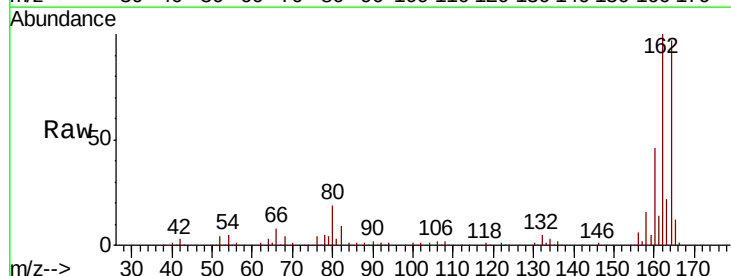
Instrument :
 BNA_F
 ClientSampleId :
 N48964-BS

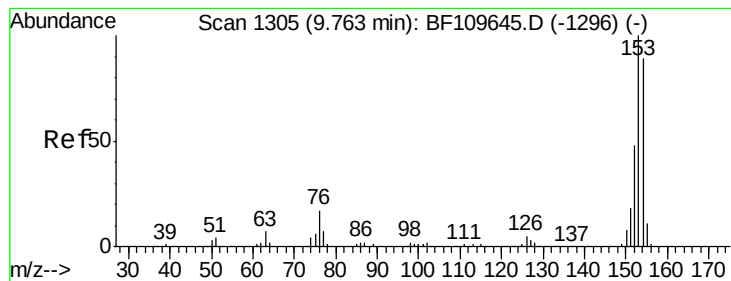
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	10.4	8.1	12.1



#50
 2,6-Dinitrotoluene
 Concen: 7.871 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. 0.20 min
 Lab File: BF109663.D
 Acq: 8 Oct 2018 22:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	1.4	46.6	69.8#





#51

Acenaphthene

Concen: 0.221 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

Instrument :

BNA_F

ClientSampleId :

N48964-BS

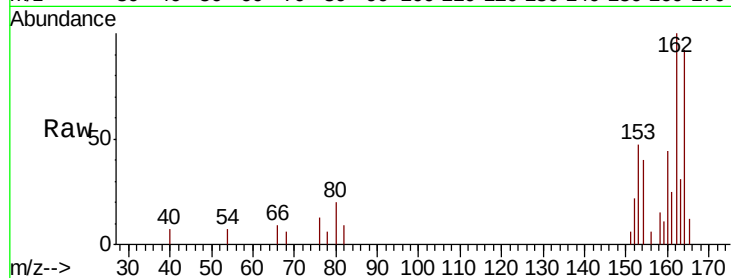
Tgt Ion:154 Resp: 2153

Ion Ratio Lower Upper

154 100

153 117.8 90.1 135.1

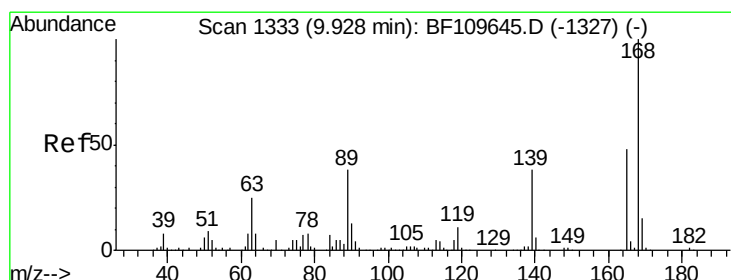
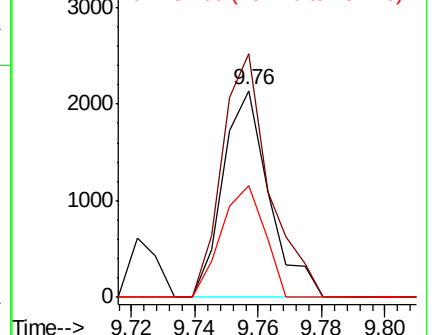
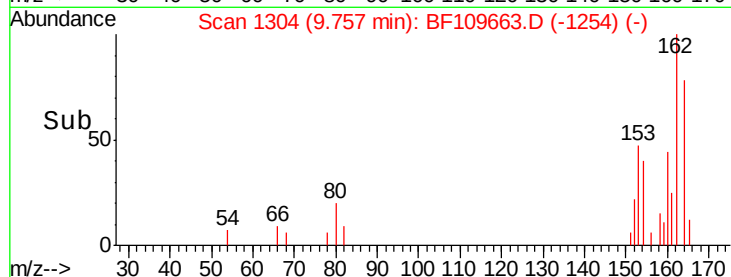
152 54.0 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 6.307 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.21 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

Tgt Ion:165 Resp: 21102

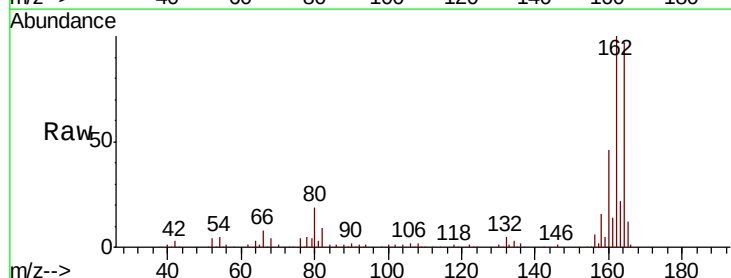
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 1.4 62.2 93.4#

182 0.0 2.1 3.1#

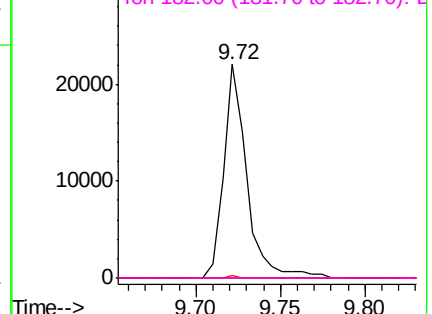
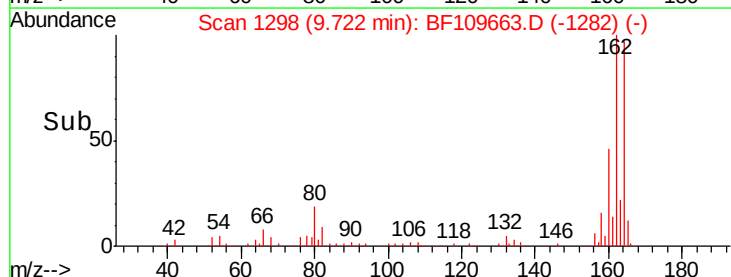


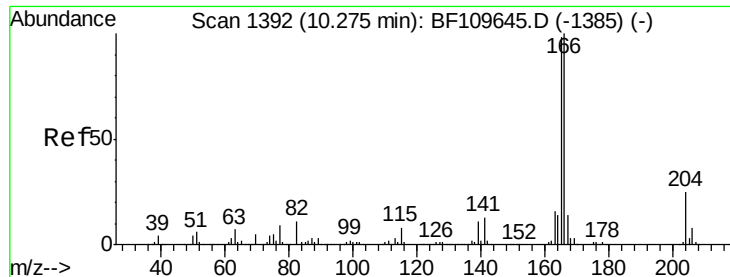
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: 0.046 ng

RT: 10.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

Instrument :

BNA_F

ClientSampleId :

N48964-BS

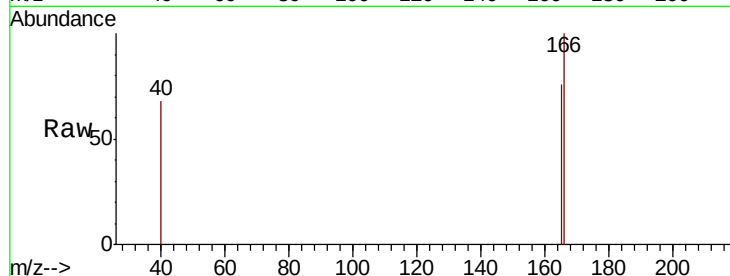
Tgt Ion:166 Resp: 507

Ion Ratio Lower Upper

166 100

165 75.6 78.6 117.8#

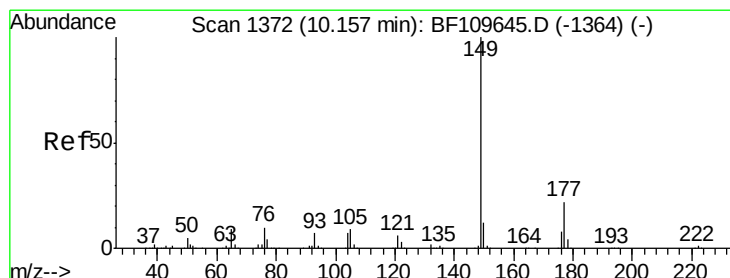
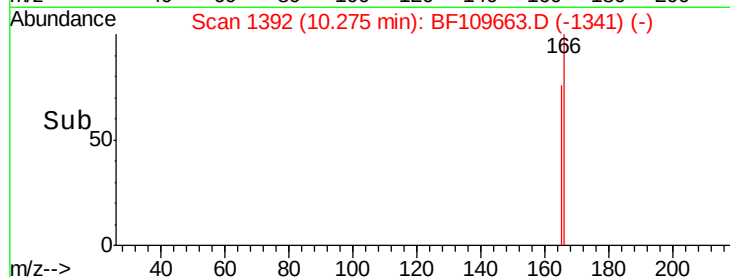
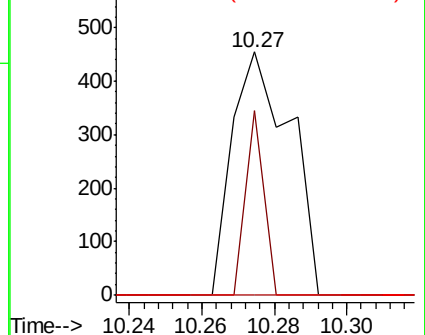
167 0.0 10.8 16.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 0.093 ng

RT: 10.15 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

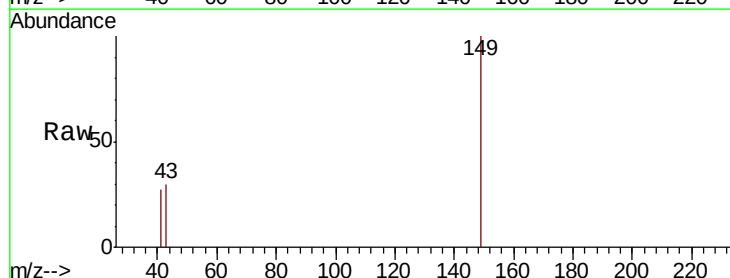
Tgt Ion:149 Resp: 1140

Ion Ratio Lower Upper

149 100

177 0.0 17.4 26.2#

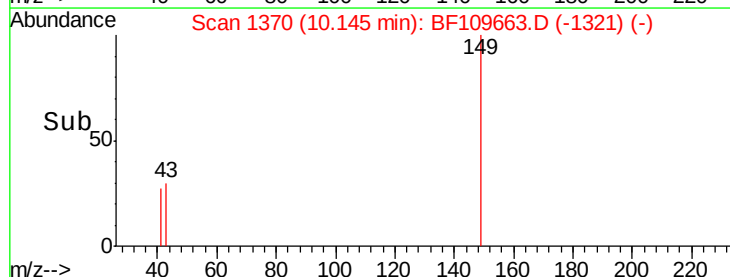
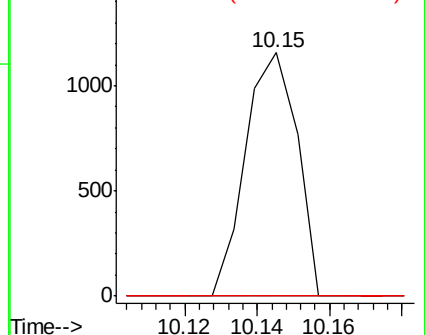
150 0.0 9.8 14.8#

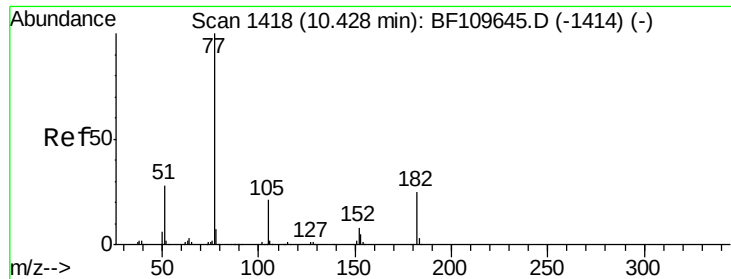


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

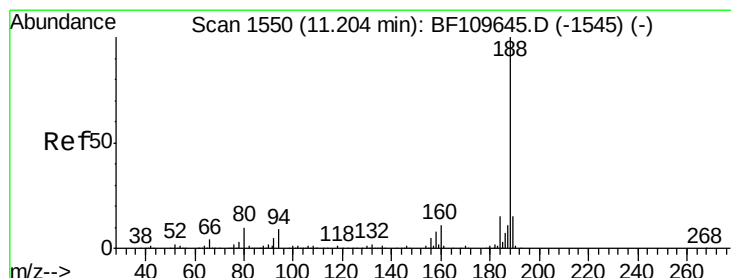
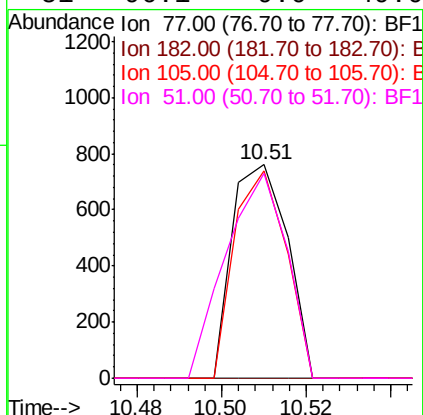
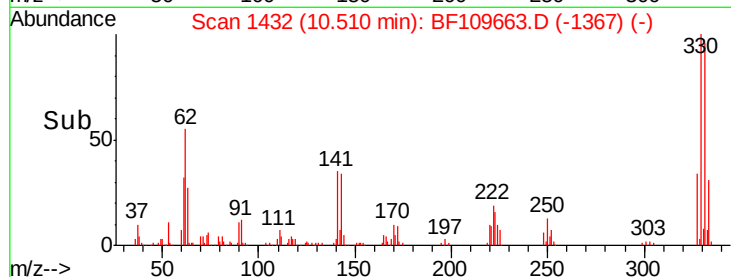
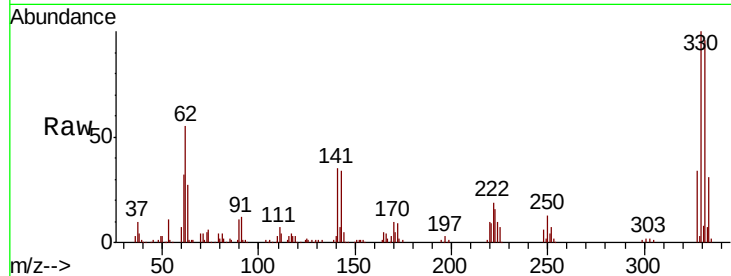




#62
Azobenzene
Concen: 0.056 ng
RT: 10.51 min Scan# 1432
Delta R.T. 0.08 min
Lab File: BF109663.D
Acq: 8 Oct 2018 22:25

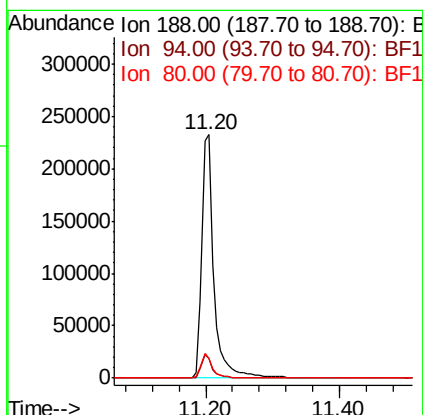
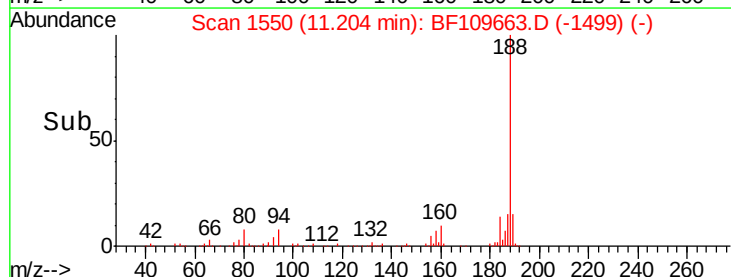
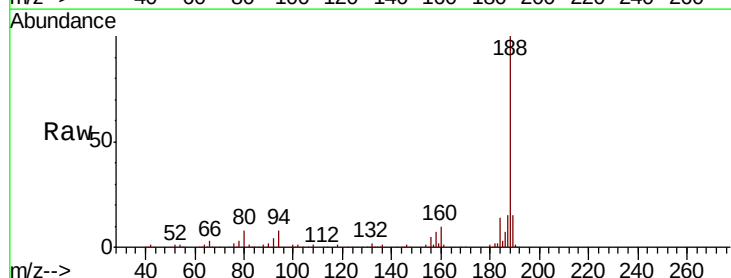
Instrument :
BNA_F
ClientSampleId :
N48964-BS

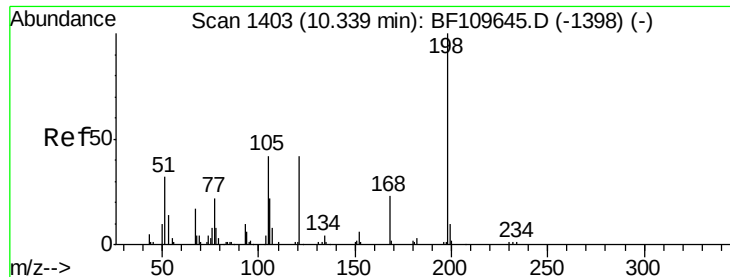
Tgt Ion: 77 Resp: 692
Ion Ratio Lower Upper
77 100
182 0.0 4.3 44.3#
105 97.4 1.3 41.3#
51 96.1 9.0 49.0#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BF109663.D
Acq: 8 Oct 2018 22:25

Tgt Ion: 188 Resp: 284455
Ion Ratio Lower Upper
188 100
94 7.9 7.2 10.8
80 8.3 7.9 11.9





#64

4,6-Dinitro-2-methylphenol

Concen: 0.282 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.17 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

Instrument :

BNA_F

ClientSampleId :

N48964-BS

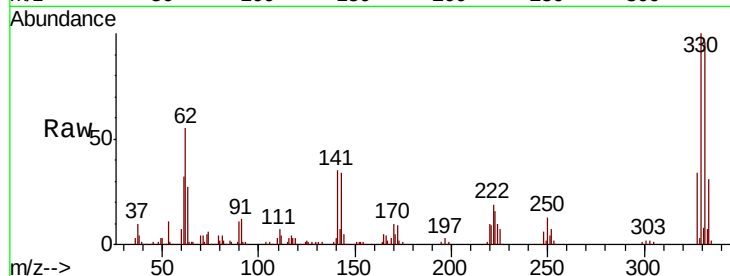
Tgt Ion:198 Resp: 391

Ion Ratio Lower Upper

198 100

51 163.2 22.8 62.8#

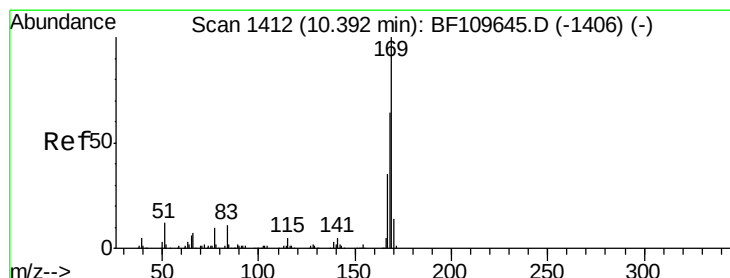
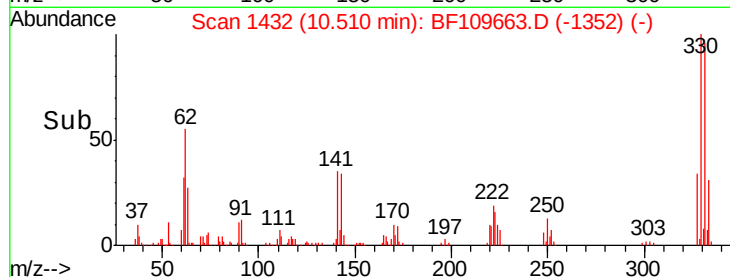
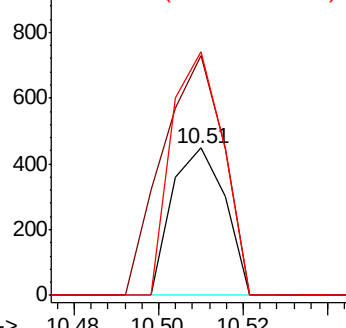
105 165.4 23.6 63.6#



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



#65

n-Nitrosodiphenylamine

Concen: 0.572 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.12 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

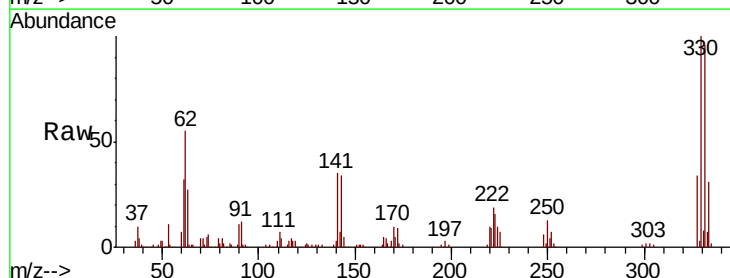
Tgt Ion:169 Resp: 5517

Ion Ratio Lower Upper

169 100

168 6.3 51.2 76.8#

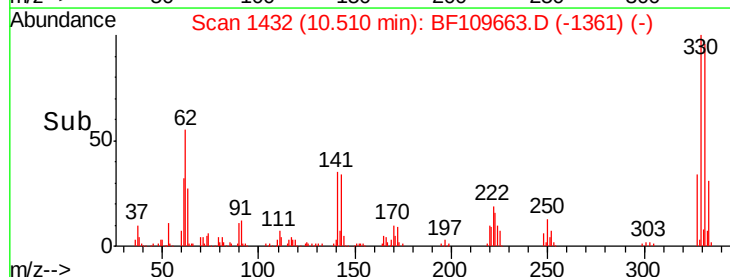
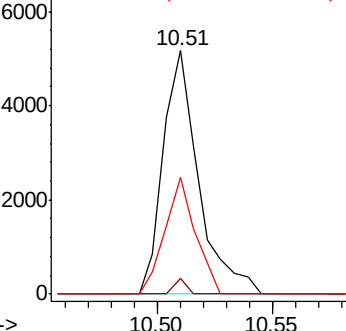
167 48.1 27.8 41.6#

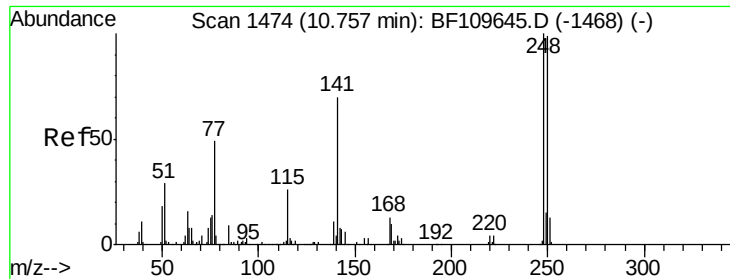


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

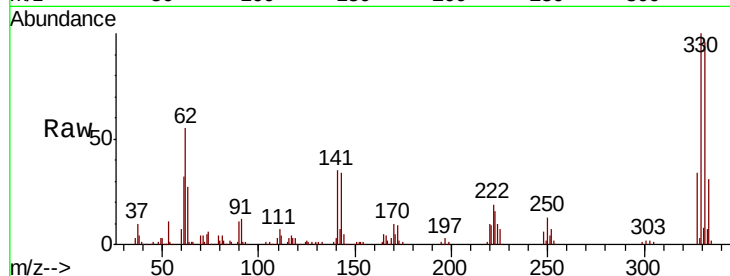




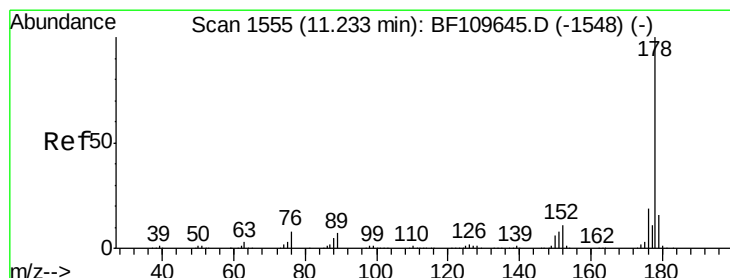
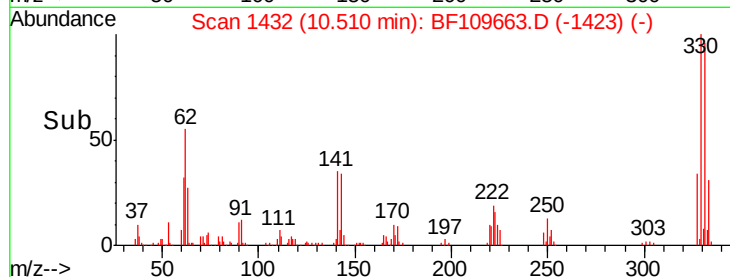
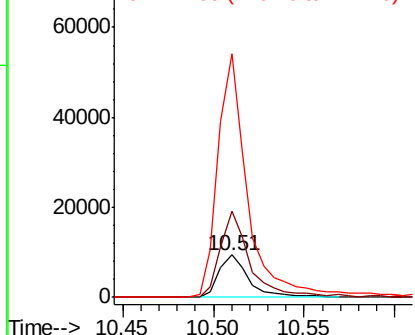
#66
 4-Bromophenyl-phenylether
 Concen: 3.310 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF109663.D
 Acq: 8 Oct 2018 22:25

Instrument :
 BNA_F
 ClientSampleId :
 N48964-BS

Tgt Ion:248 Resp: 10817
 Ion Ratio Lower Upper
 248 100
 250 202.9 79.4 119.2#
 141 575.5 55.9 83.9#

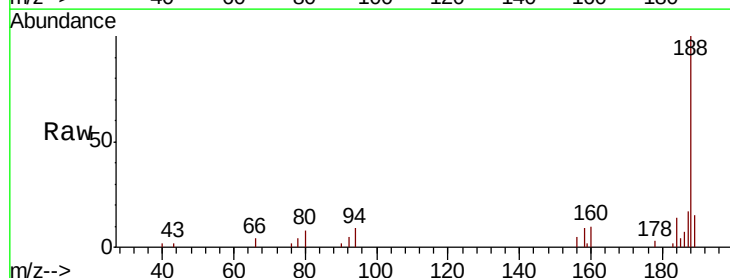


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

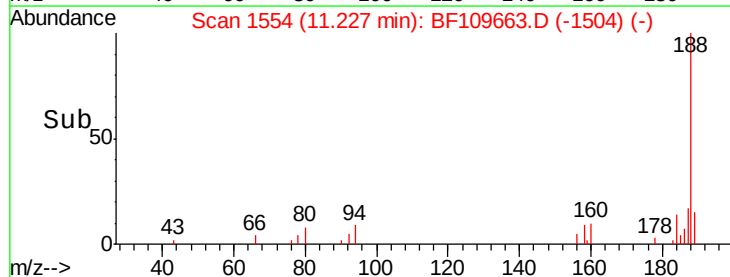
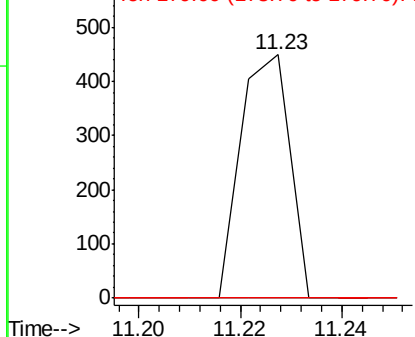


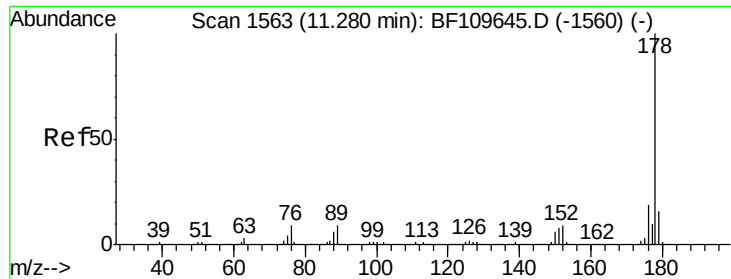
#70
 Phenanthrene
 Concen: 0.021 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF109663.D
 Acq: 8 Oct 2018 22:25

Tgt Ion:178 Resp: 302
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.5 23.3#
 179 0.0 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 0.011 ng

RT: 11.29 min Scan# 1564

Delta R.T. 0.01 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

Instrument :

BNA_F

ClientSampleId :

N48964-BS

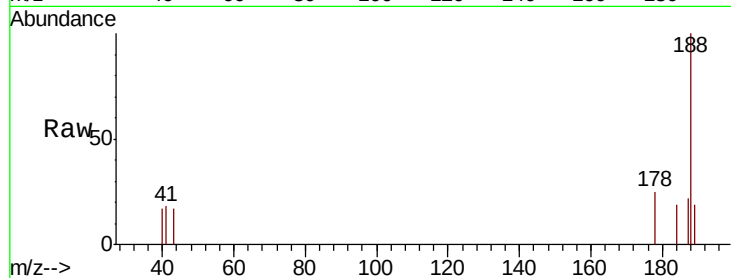
Tgt Ion:178 Resp: 156

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.2#

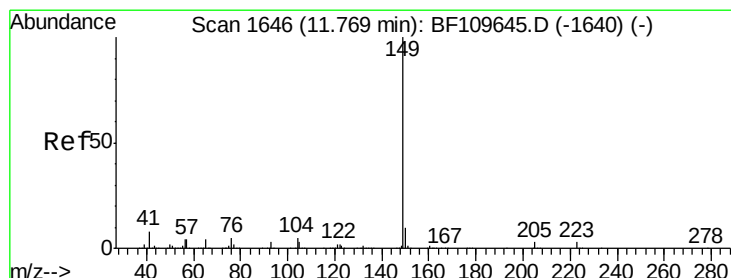
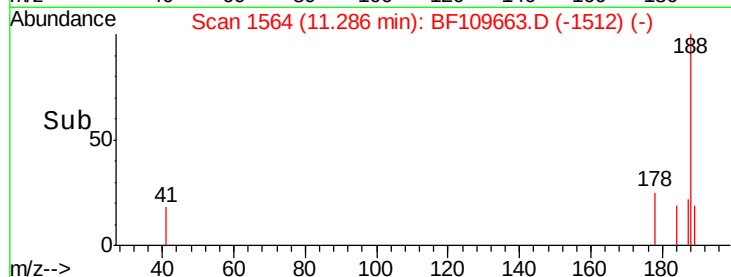
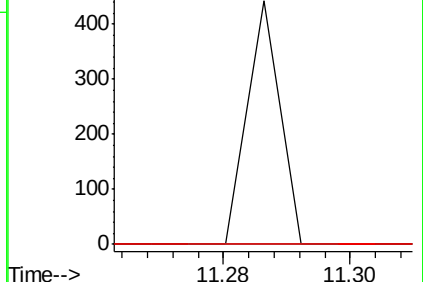
179 0.0 12.6 18.8#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Di-n-butylphthalate

Concen: 0.076 ng

RT: 11.77 min Scan# 1646

Delta R.T. 0.00 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

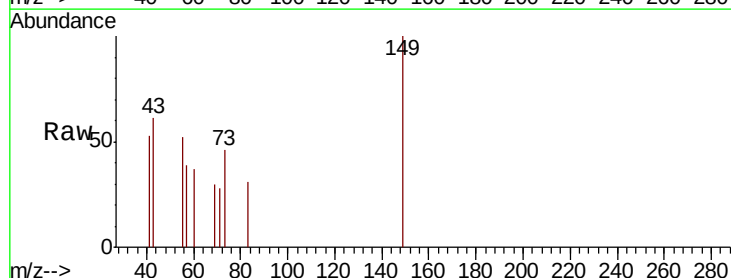
Tgt Ion:149 Resp: 1256

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

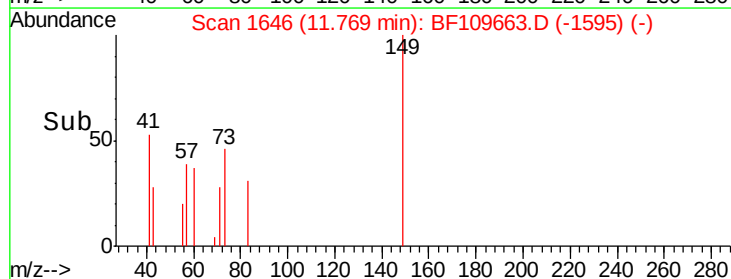
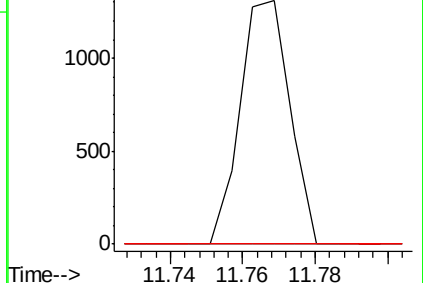
104 0.0 4.2 6.4#

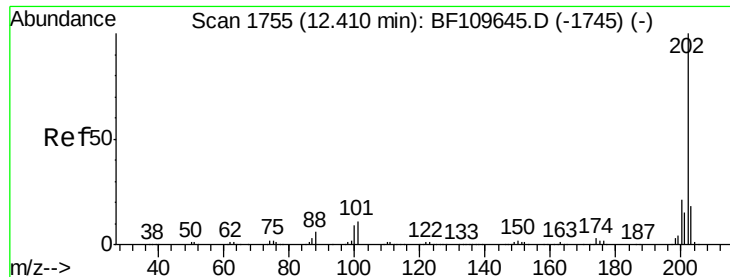


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

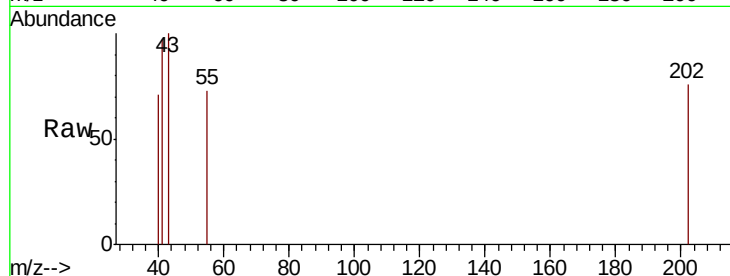




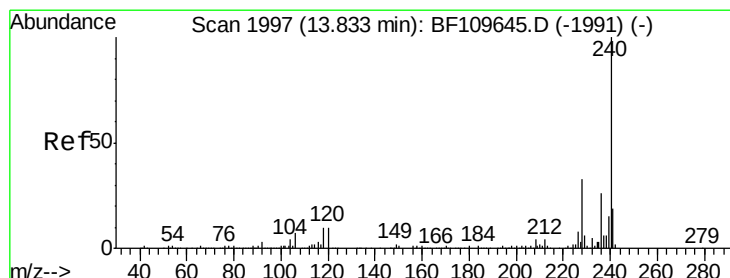
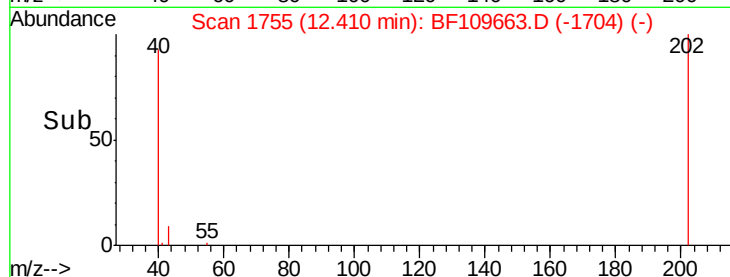
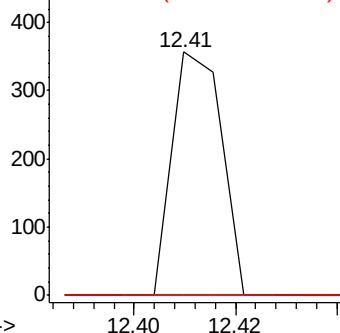
#74
 Fluoranthene
 Concen: 0.016 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: BF109663.D
 Acq: 8 Oct 2018 22:25

Instrument :
 BNA_F
 ClientSampleId :
 N48964-BS

Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	31.4
203	0.0	0.0	37.7

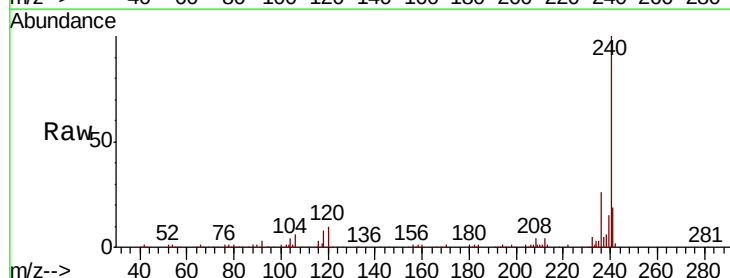


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

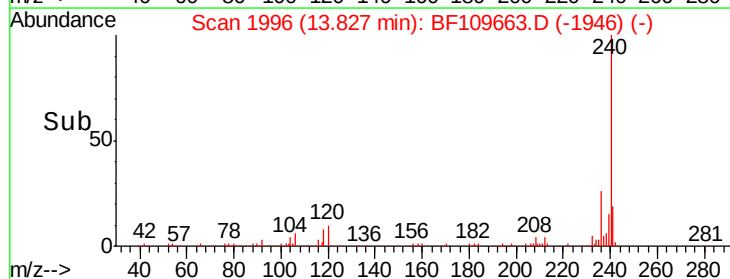
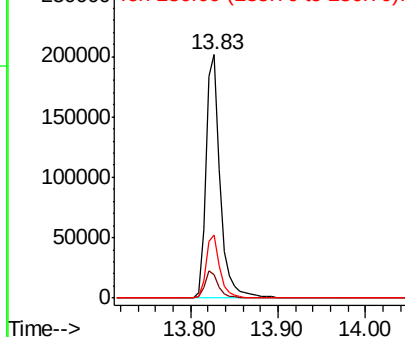


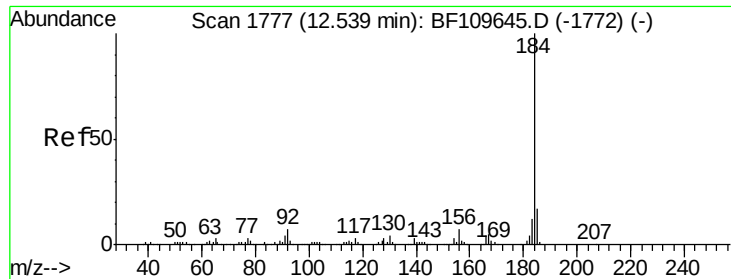
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF109663.D
 Acq: 8 Oct 2018 22:25

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.3	12.5
236	25.9	21.2	31.8



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





#76

Benzidine

Concen: 1.202 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.24 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

Instrument :

BNA_F

ClientSampleId :

N48964-BS

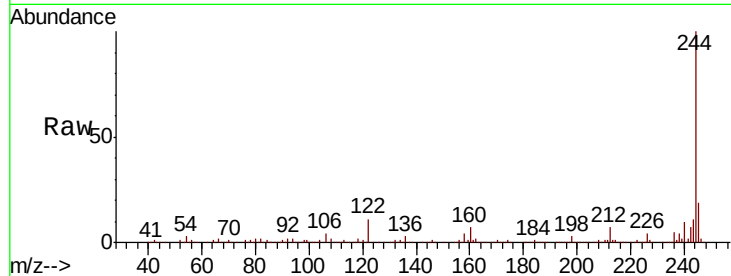
Tgt Ion:184 Resp: 10147

Ion Ratio Lower Upper

184 100

185 18.4 13.4 20.2

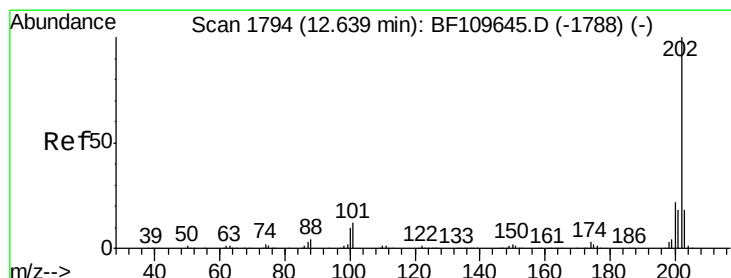
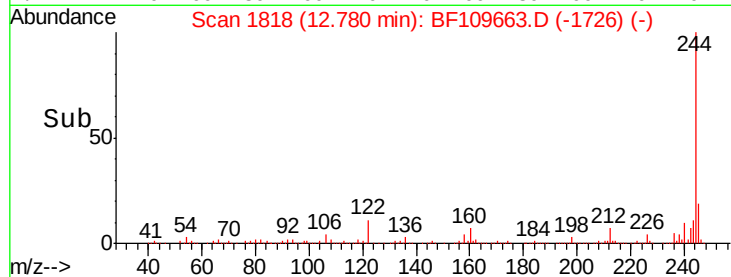
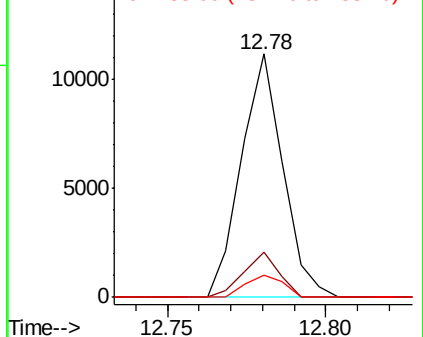
183 9.0 9.4 14.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 0.018 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

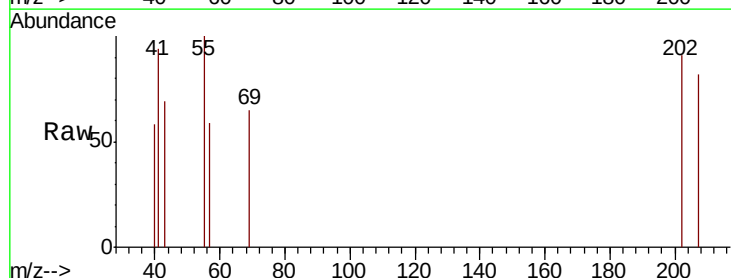
Tgt Ion:202 Resp: 301

Ion Ratio Lower Upper

202 100

200 0.0 17.8 26.6#

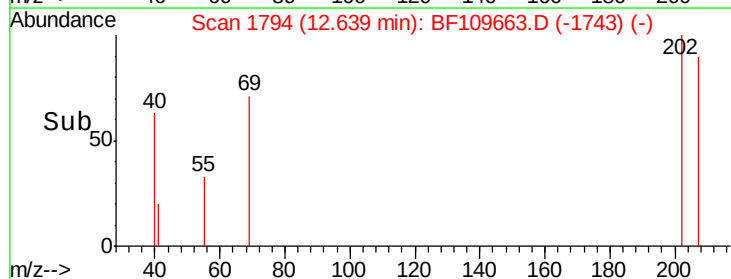
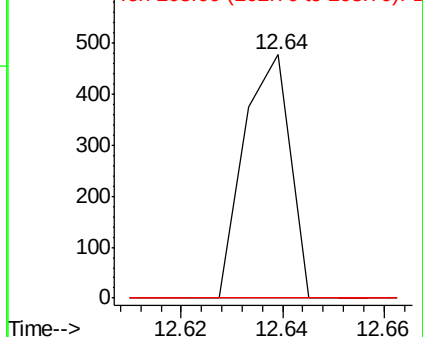
203 0.0 14.2 21.4#

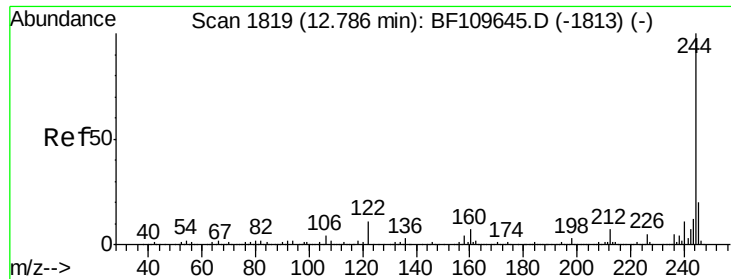


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.469 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

Instrument :

BNA_F

ClientSampleId :

N48964-BS

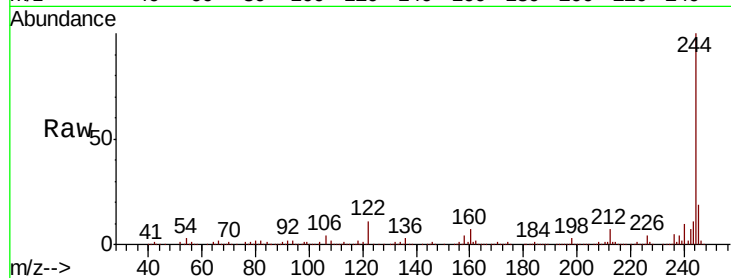
Tgt Ion:244 Resp: 780408

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

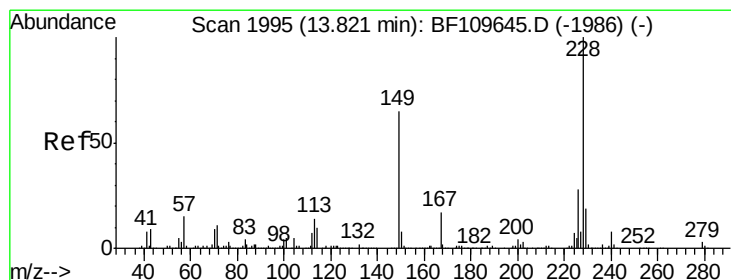
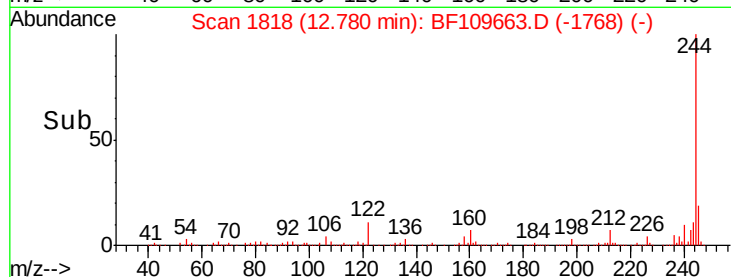
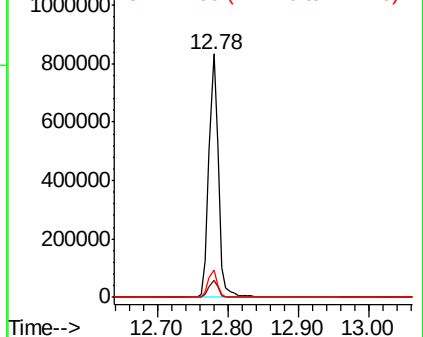
122 11.4 8.7 13.1



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



#80

Benzo(a)anthracene

Concen: 0.071 ng

RT: 13.82 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

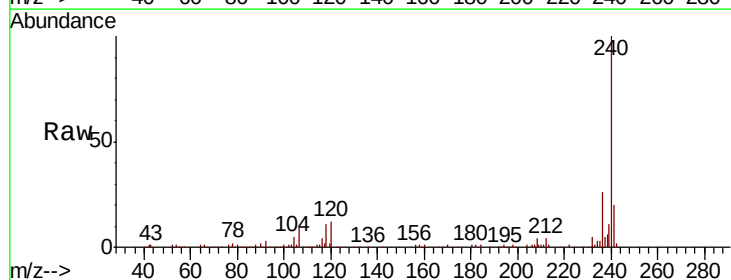
Tgt Ion:228 Resp: 885

Ion Ratio Lower Upper

228 100

226 0.0 22.1 33.1#

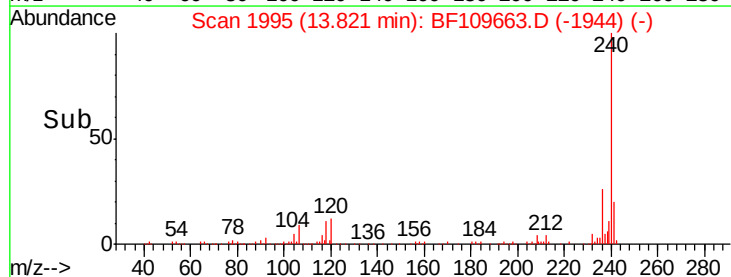
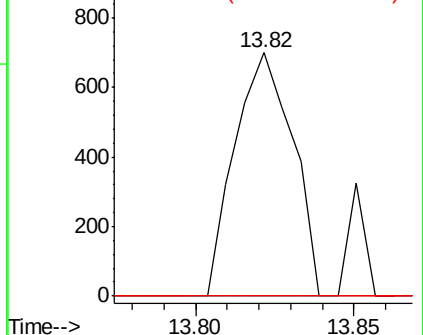
229 0.0 15.6 23.4#

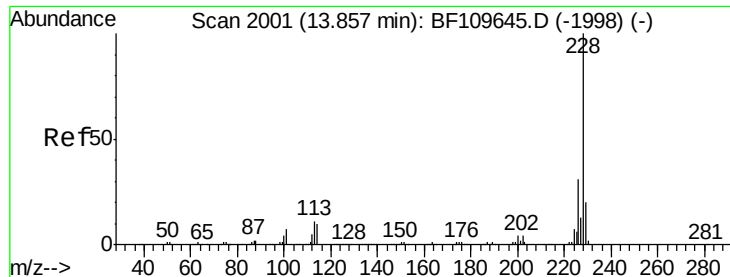


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 0.009 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

Instrument :

BNA_F

ClientSampleId :

N48964-BS

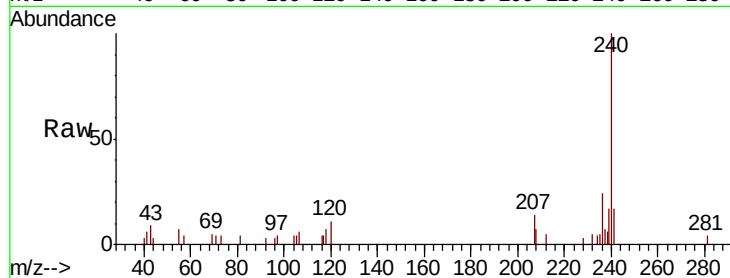
Tgt Ion:228 Resp: 115

Ion Ratio Lower Upper

228 100

226 0.0 24.7 37.1#

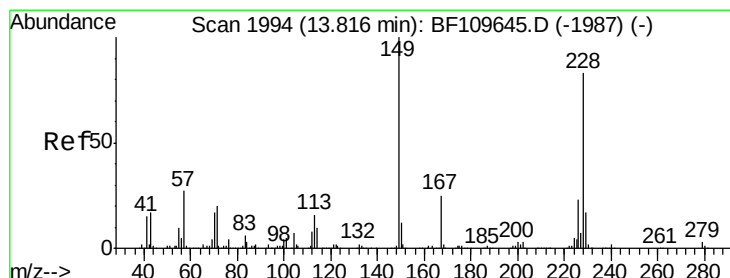
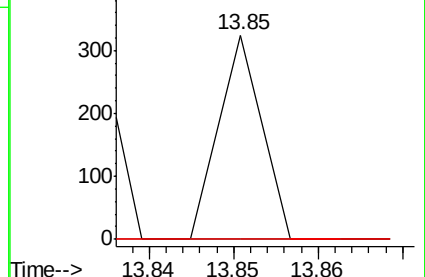
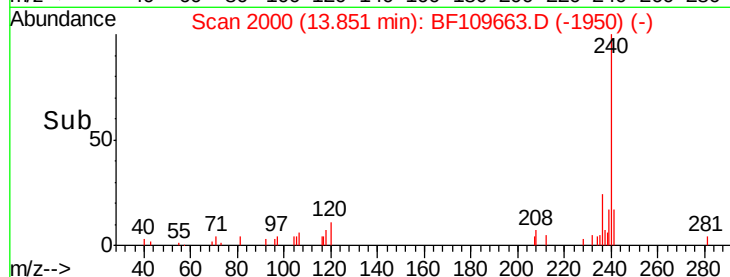
229 0.0 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.135 ng

RT: 13.82 min Scan# 1994

Delta R.T. 0.00 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

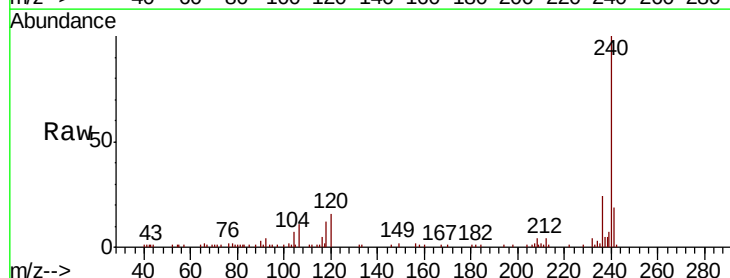
Tgt Ion:149 Resp: 1192

Ion Ratio Lower Upper

149 100

167 28.1 19.8 29.8

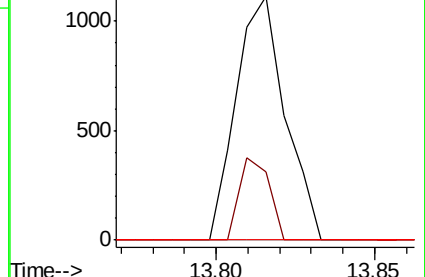
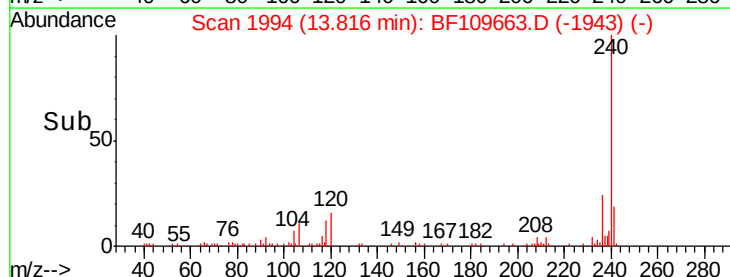
279 0.0 2.7 4.1#

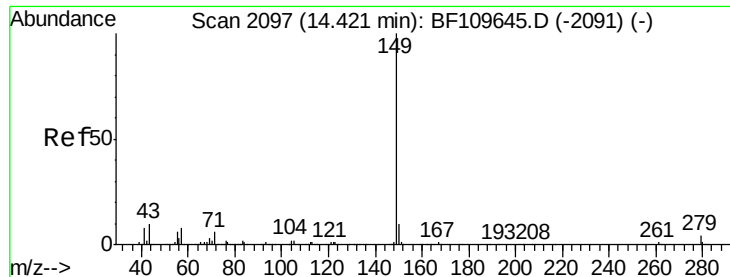


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.052 ng

RT: 14.42 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

Instrument :

BNA_F

ClientSampleId :

N48964-BS

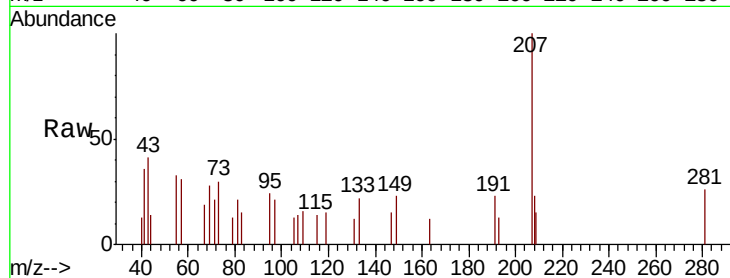
Tgt Ion:149 Resp: 730

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 113.4 7.8 11.8#

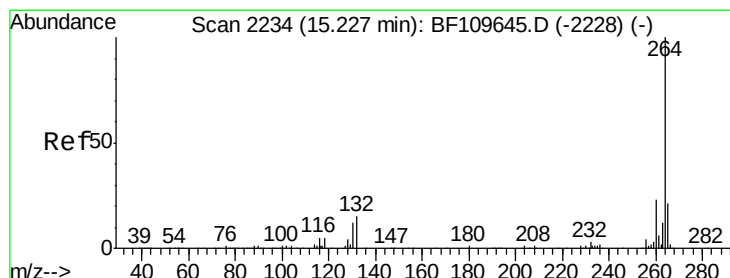
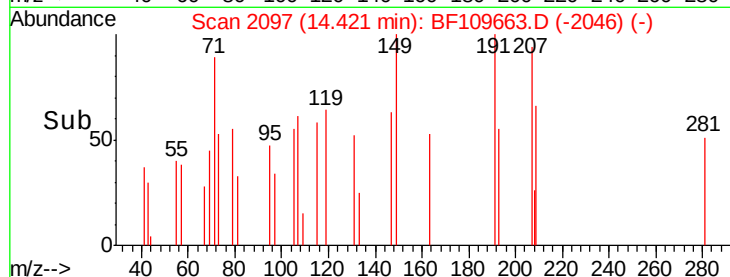
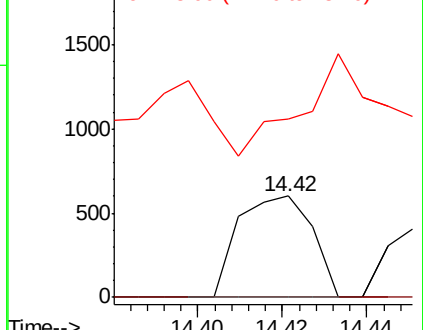


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BF109663.D

Acq: 8 Oct 2018 22:25

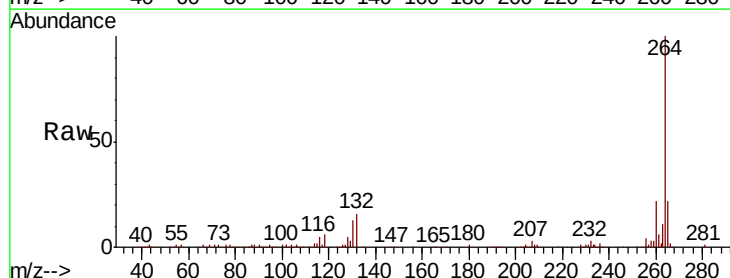
Tgt Ion:264 Resp: 196290

Ion Ratio Lower Upper

264 100

260 22.1 18.7 28.1

265 21.7 16.7 25.1

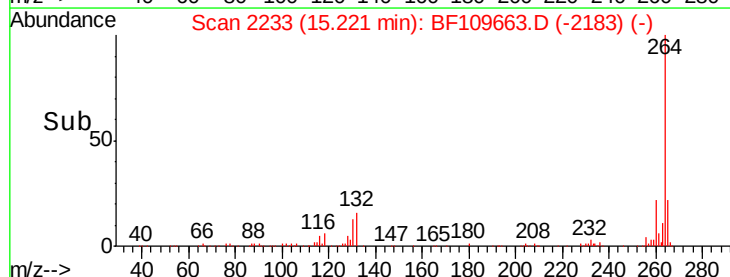
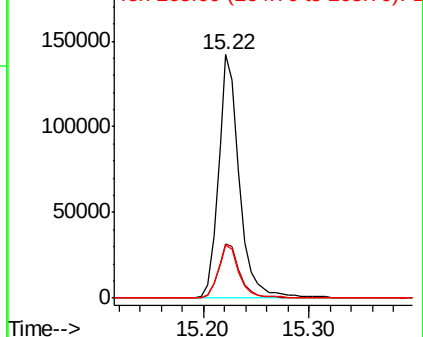


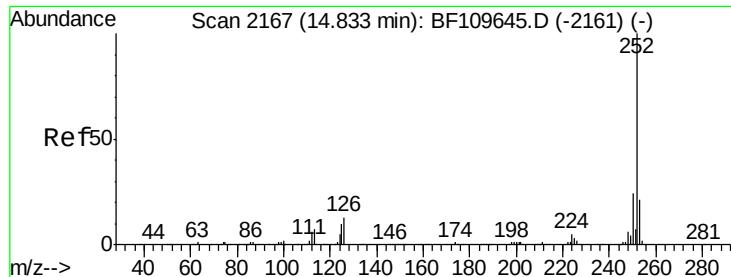
Abundance

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

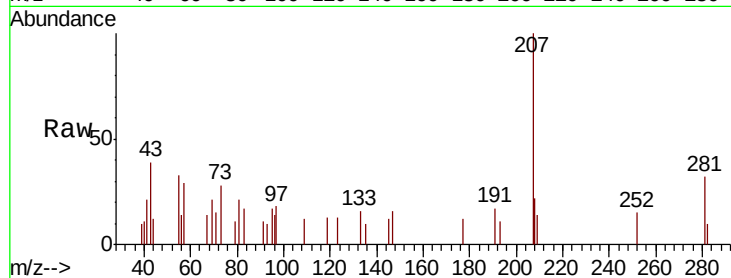




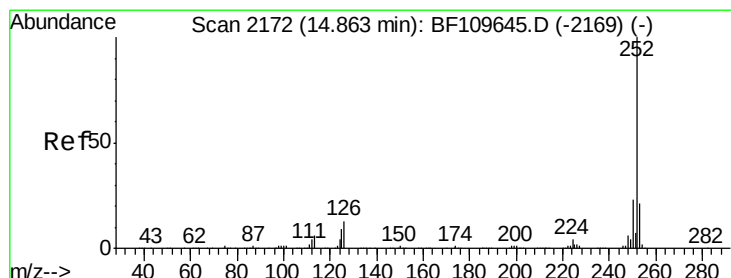
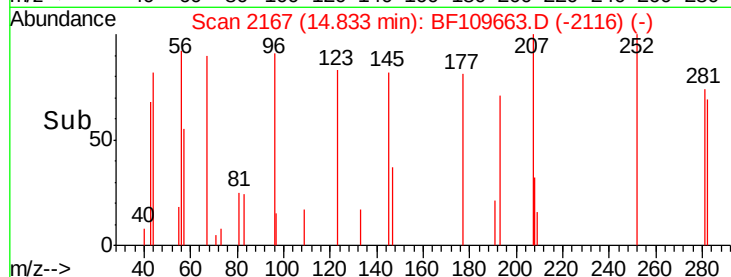
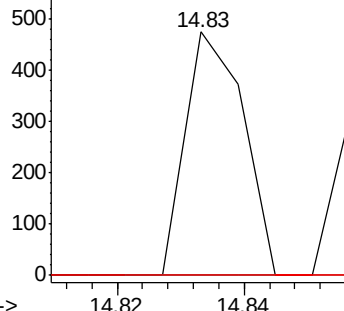
#87
Benzo(b)fluoranthene
Concen: 0.028 ng
RT: 14.83 min Scan# 2167
Delta R.T. 0.00 min
Lab File: BF109663.D
Acq: 8 Oct 2018 22:25

Instrument :
BNA_F
ClientSampleId :
N48964-BS

Tgt Ion:252 Resp: 299
Ion Ratio Lower Upper
252 100
253 0.0 17.2 25.8#
125 0.0 8.2 12.4#

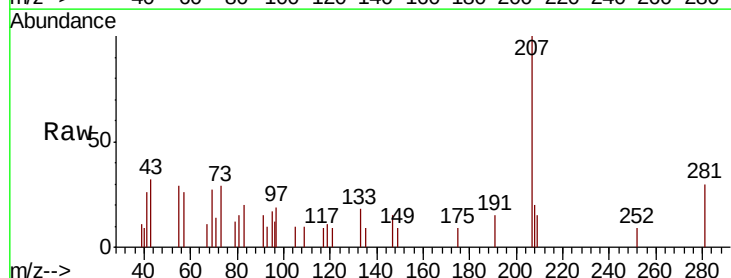


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

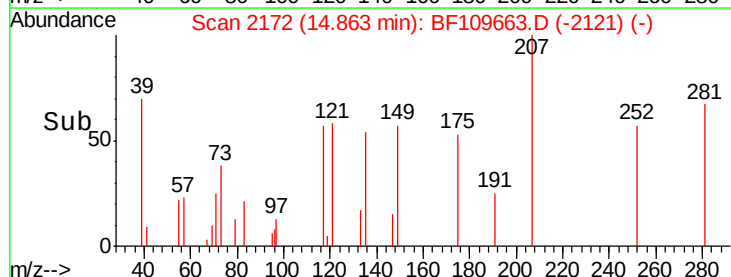
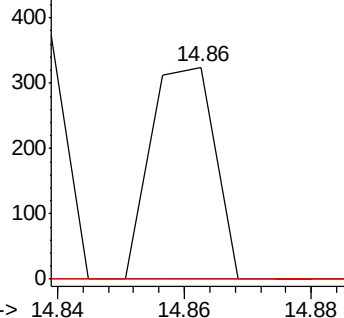


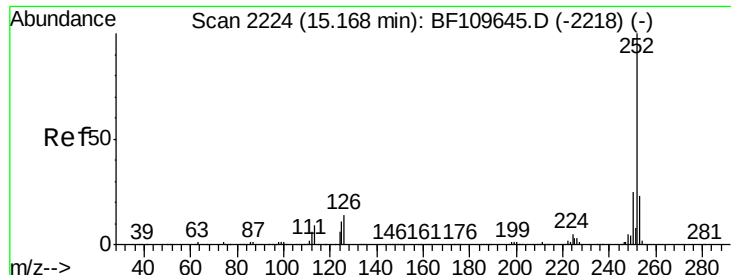
#88
Benzo(k)fluoranthene
Concen: 0.021 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BF109663.D
Acq: 8 Oct 2018 22:25

Tgt Ion:252 Resp: 225
Ion Ratio Lower Upper
252 100
253 0.0 17.2 25.8#
125 0.0 7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 0.013 ng

RT: 15.17 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BF109663.D

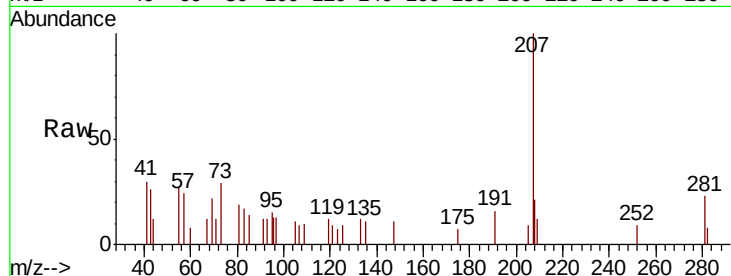
Acq: 8 Oct 2018 22:25

Instrument :

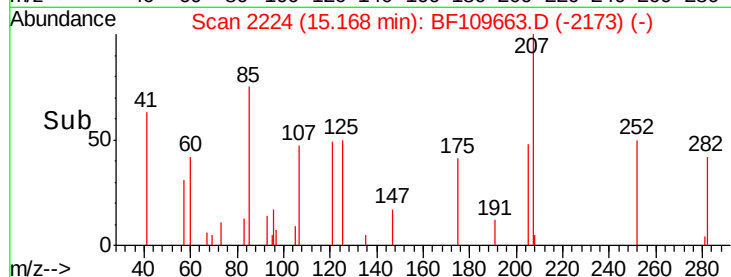
BNA_F

ClientSampleId :

N48964-BS



Tgt Ion:	252	Resp:	130
Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.2	27.4#
125	99.7	9.0	13.6#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

