

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF110317\
 Data File : BF100169.D
 Acq On : 4 Nov 2017 8:00
 Operator : SJ/JU
 Sample : I6143-06
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RLF-FD-01

Quant Time: Nov 04 11:50:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:46:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.769	152	96954	20.00	ng	0.00
21) Naphthalene-d8	8.051	136	384433	20.00	ng	0.00
38) Acenaphthene-d10	9.804	164	167413	20.00	ng	0.00
63) Phenanthrene-d10	11.298	188	247858	20.00	ng	0.00
75) Chrysene-d12	13.951	240	161017	20.00	ng	0.00
86) Perylene-d12	15.409	264	164587	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.398	112	354221	57.36	ng	0.00
7) Phenol-d6	6.422	99	279492	38.17	ng	0.00
23) Nitrobenzene-d5	7.345	82	485277	81.27	ng	0.00
41) 2,4,6-Tribromophenol	10.604	330	161195	105.66	ng	0.00
44) 2-Fluorobiphenyl	9.127	172	945433	87.13	ng	0.00
78) Terphenyl-d14	12.880	244	598493	81.23	ng	0.00

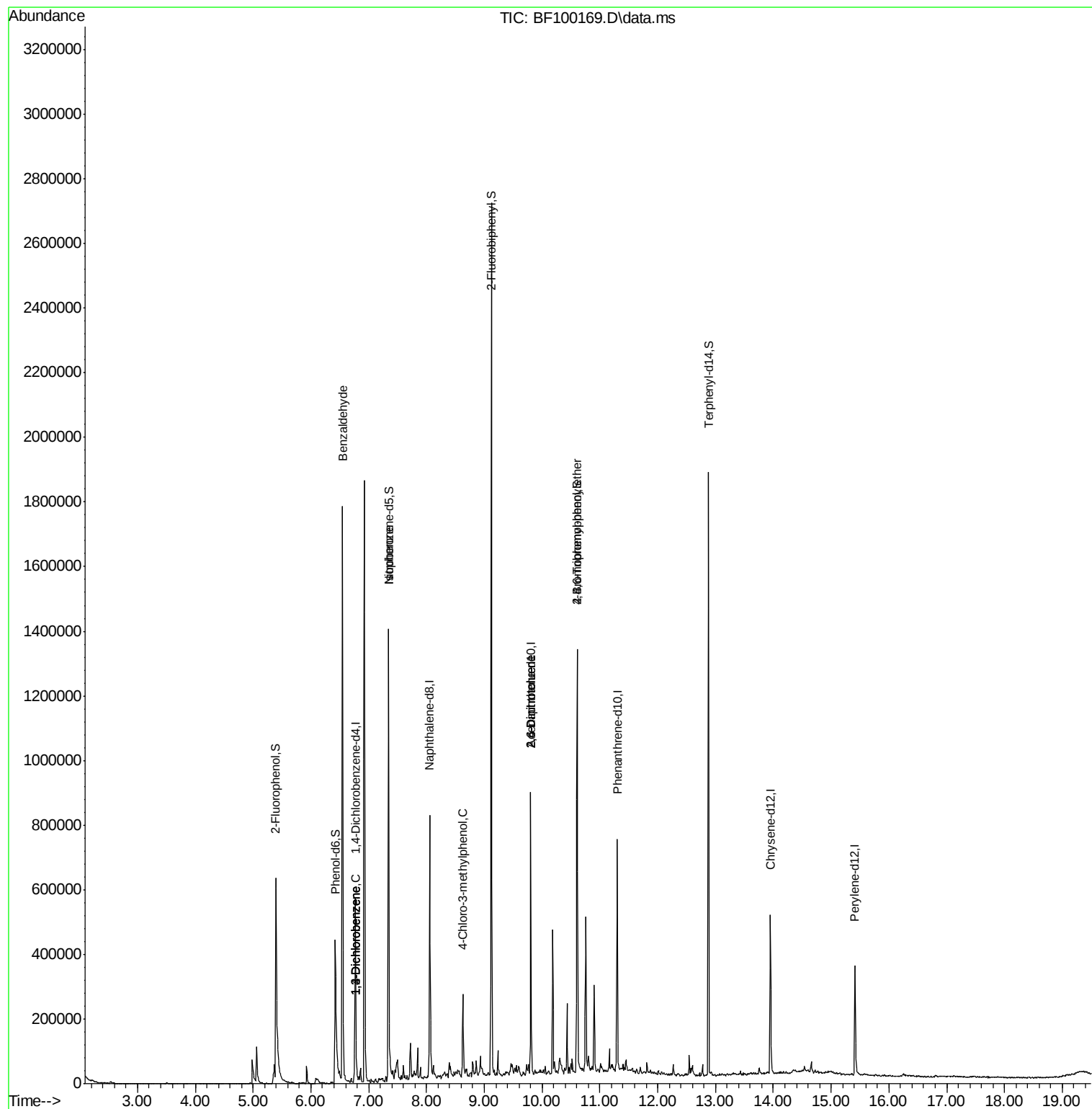
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.545	77	10885	2.49	ng	90
12) 1,3-Dichlorobenzene	6.786	146	15229	2.06	ng	99
13) 1,4-Dichlorobenzene	6.786	146	15229	2.03	ng	95
14) 1,2-Dichlorobenzene	6.786	146	15229	2.23	ng	93
25) Isophorone	7.345	82	485277	44.79	ng	# 64
36) 4-Chloro-3-methylphenol	8.627	107	39505	7.34	ng	# 20
50) 2,6-Dinitrotoluene	9.804	165	21335	7.65	ng	# 26
56) 2,4-Dinitrotoluene	9.804	165	21335	6.36	ng	# 24
66) 4-Bromophenyl-phenylether	10.604	248	10831	4.15	ng	# 1

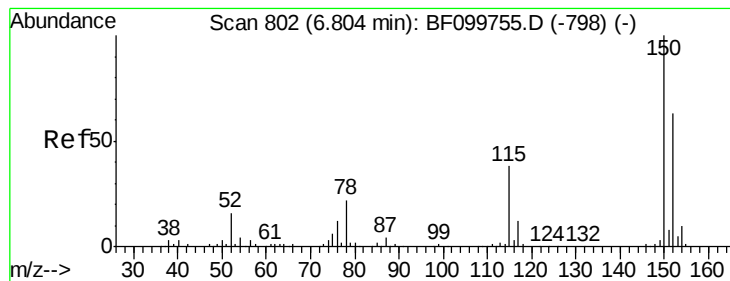
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.769 min Scan# 79

Delta R.T. -0.000 min

Lab File: BF100169.D

Acq: 4 Nov 2017 8:00

Instrument :

BNA_F

ClientSampleId :

RLF-FD-01

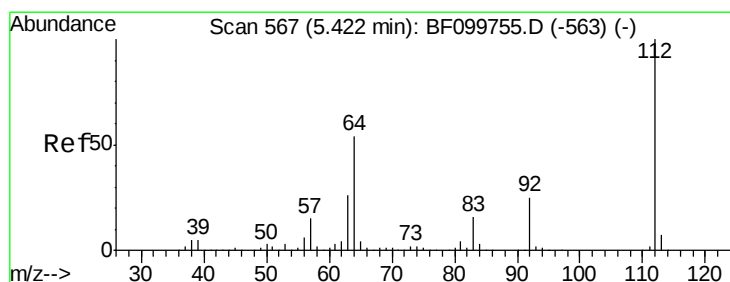
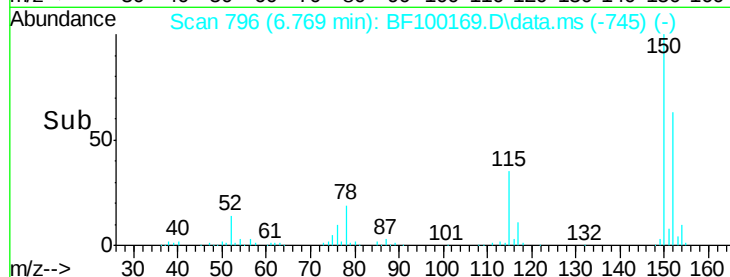
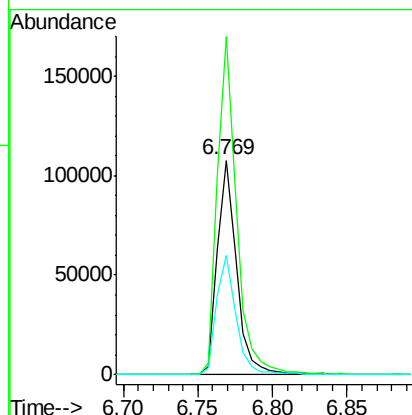
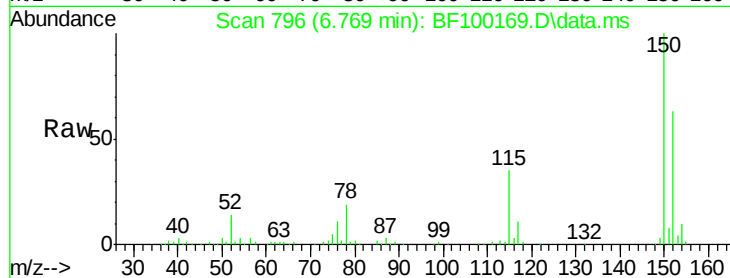
Tot Ion:152 Resp: 96954

Ion Ratio Lower Upper

152 100

150 157.6 124.6 186.8

115 55.7 50.1 75.1



#5

2-Fluorophenol

Concen: 57.36 ng

RT: 5.398 min Scan# 563

Delta R.T. 0.006 min

Lab File: BF100169.D

Acq: 4 Nov 2017 8:00

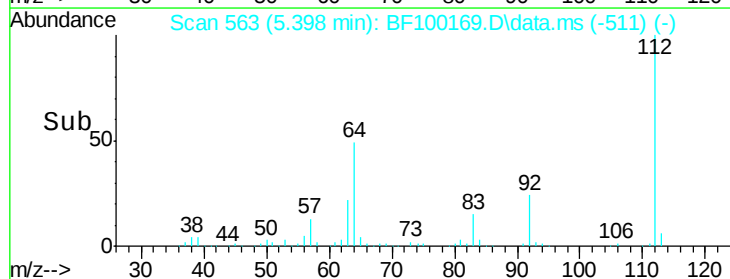
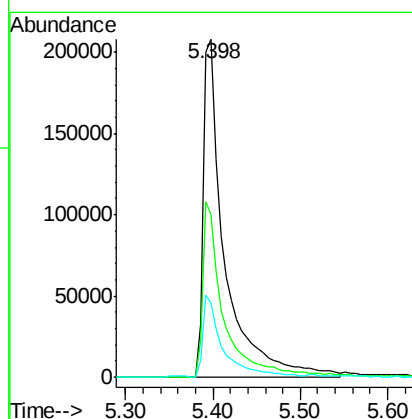
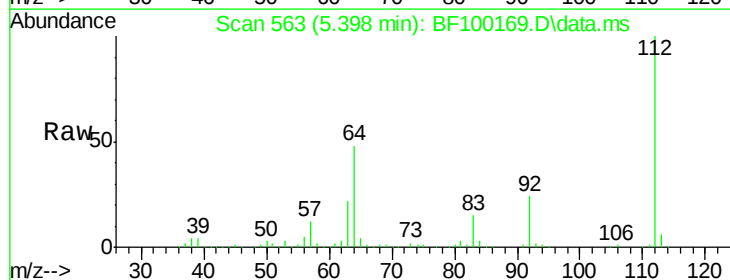
Tgt Ion:112 Resp: 354221

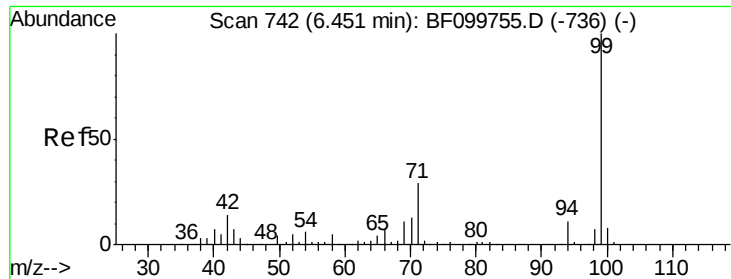
Ion Ratio Lower Upper

112 100

64 48.0 47.9 71.9

63 21.9 23.7 35.5#





#7

Phenol-d6

Concen: 38.17 ng

RT: 6.422 min Scan# 73

Delta R.T. -0.006 min

Lab File: BF100169.D

Acq: 4 Nov 2017 8:00

Instrument :

BNA_F

ClientSampleId :

RLF-FD-01

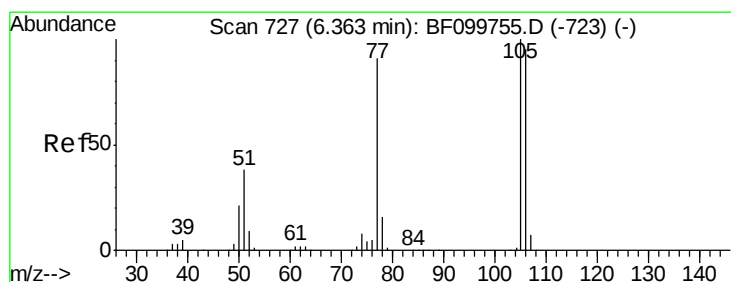
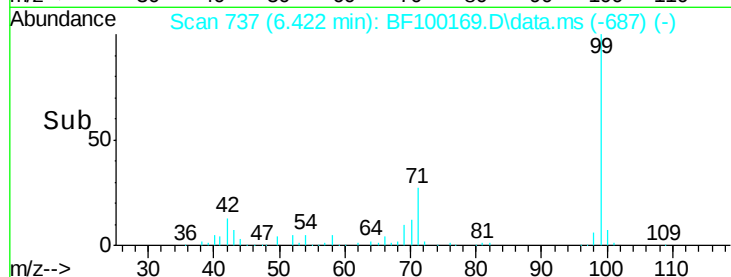
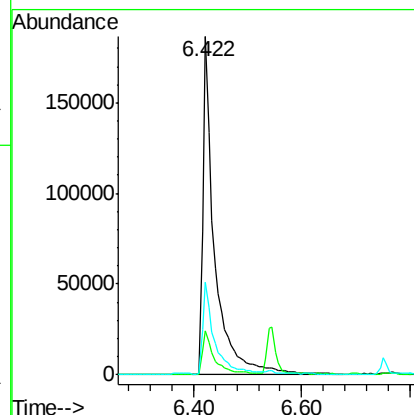
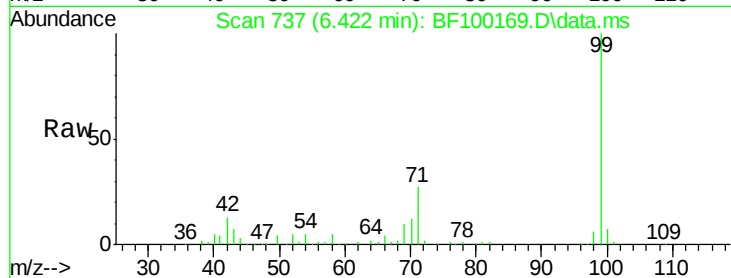
Tot Ion: 99 Resp: 279492

Ion Ratio Lower Upper

99 100

42 12.8 14.5 21.7#

71 27.2 25.4 38.0



#9

Benzaldehyde

Concen: 2.49 ng

RT: 6.545 min Scan# 758

Delta R.T. 0.212 min

Lab File: BF100169.D

Acq: 4 Nov 2017 8:00

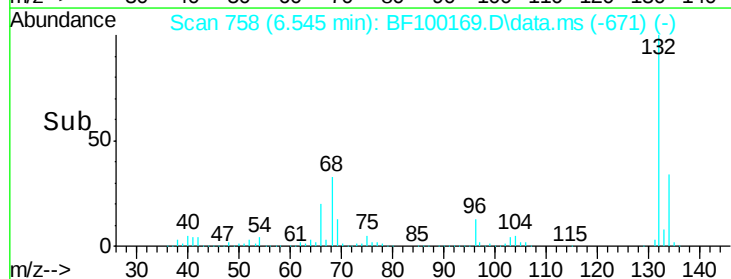
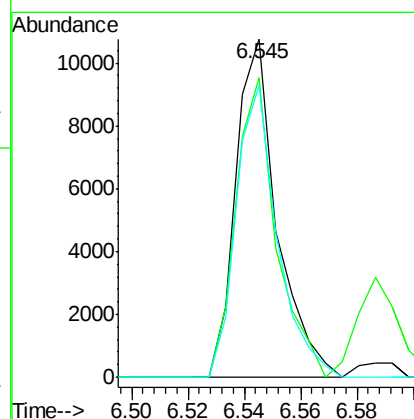
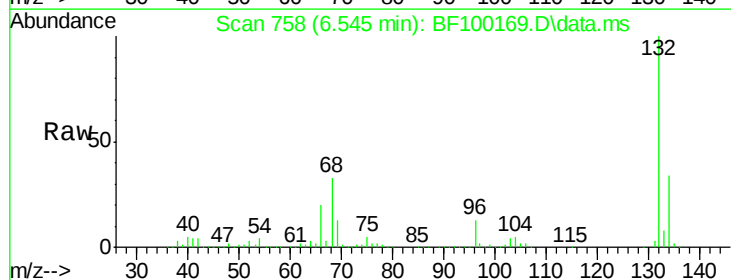
Tgt Ion: 77 Resp: 10885

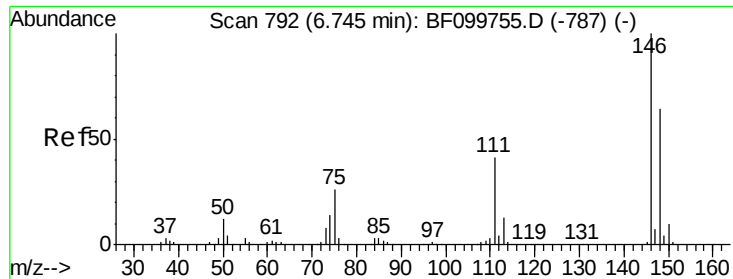
Ion Ratio Lower Upper

77 100

105 88.7 81.1 121.1

106 86.3 74.5 114.5





#12

1,3-Dichlorobenzene

Concen: 2.06 ng

RT: 6.786 min Scan# 79

Delta R.T. 0.076 min

Lab File: BF100169.D

Acq: 4 Nov 2017 8:00

Instrument :

BNA_F

ClientSampleId :

RLF-FD-01

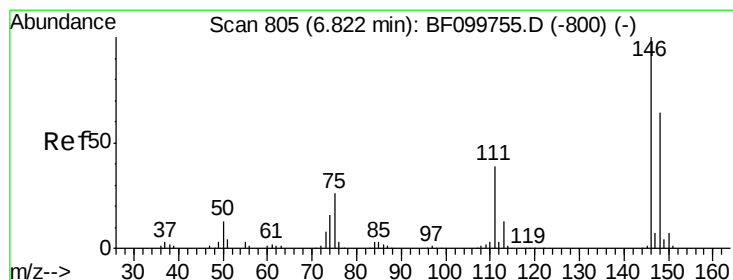
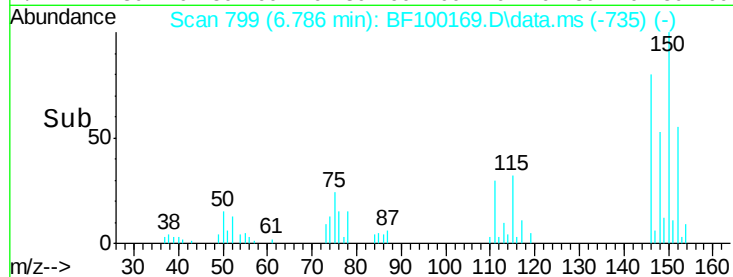
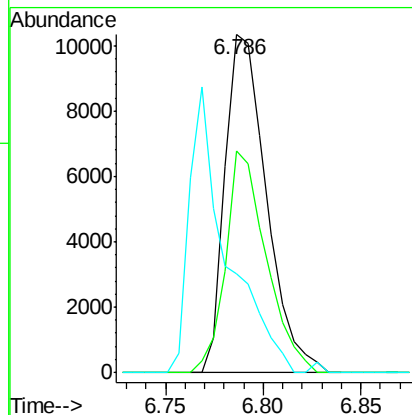
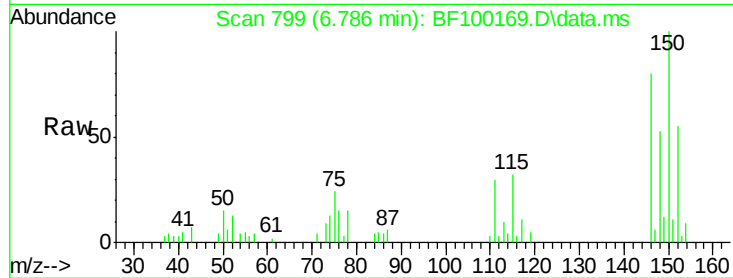
Tot Ion:146 Resp: 15229

Ion Ratio Lower Upper

146 100

148 65.6 51.8 77.8

75 29.3 24.2 36.4



#13

1,4-Dichlorobenzene

Concen: 2.03 ng

RT: 6.786 min Scan# 799

Delta R.T. -0.000 min

Lab File: BF100169.D

Acq: 4 Nov 2017 8:00

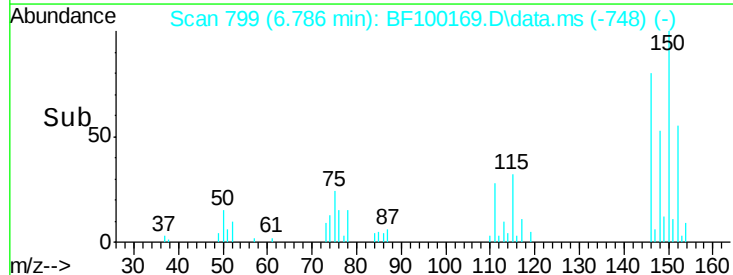
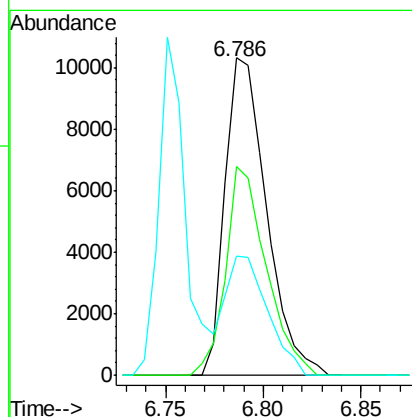
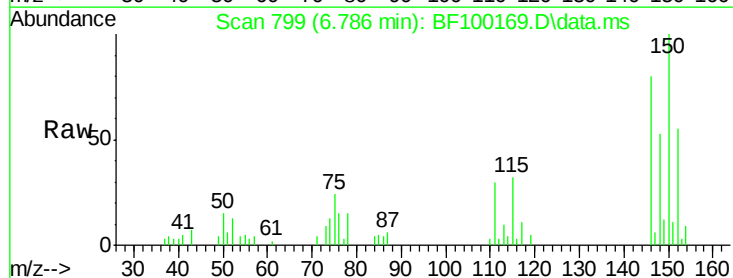
Tgt Ion:146 Resp: 15229

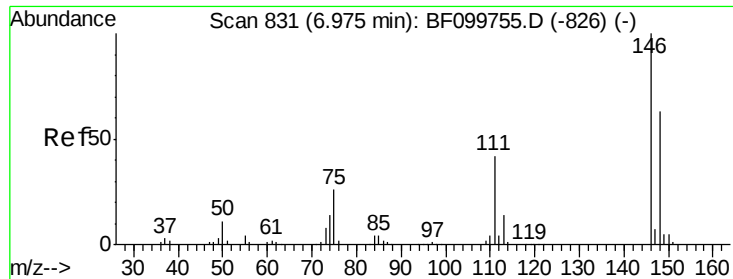
Ion Ratio Lower Upper

146 100

148 65.6 50.8 76.2

111 37.4 34.2 51.2

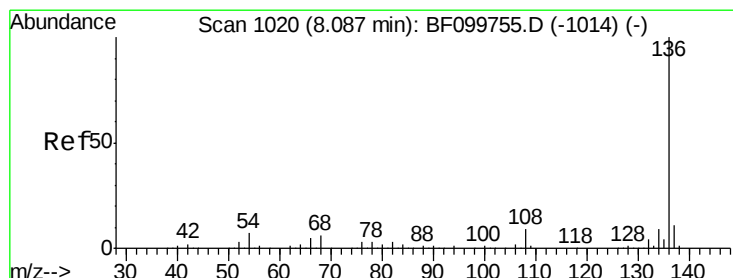
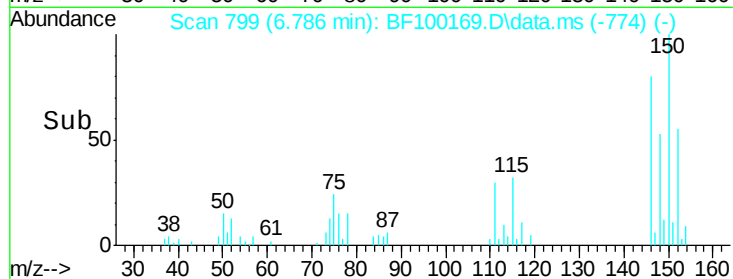
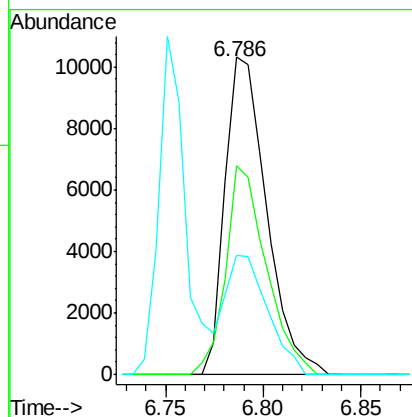
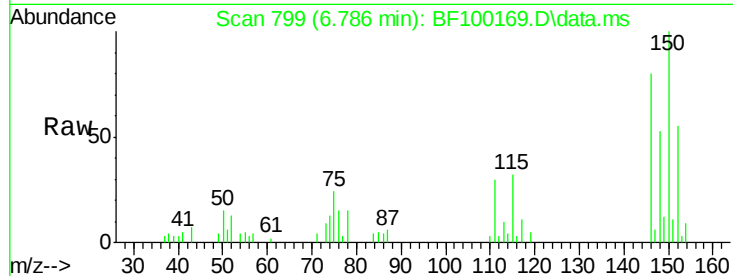




#14
 1,2-Dichlorobenzene
 Concen: 2.23 ng
 RT: 6.786 min Scan# 79
 Delta R.T. -0.153 min
 Lab File: BF100169.D
 Acq: 4 Nov 2017 8:00

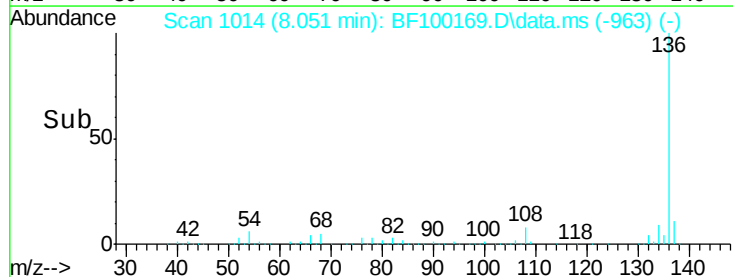
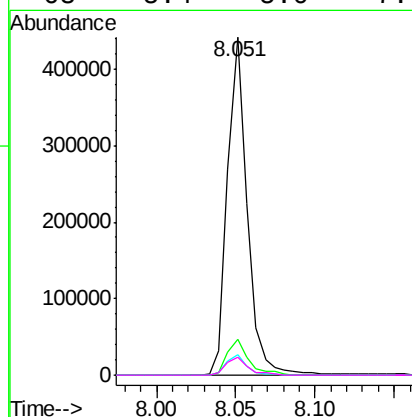
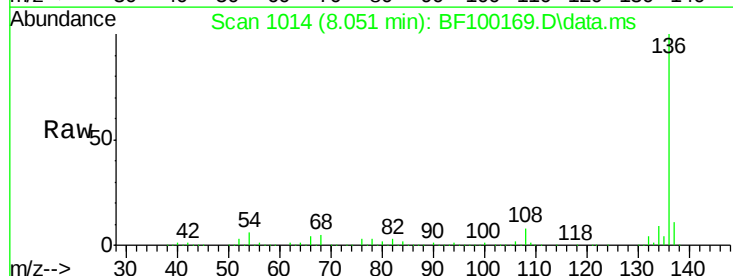
Instrument :
 BNA_F
 ClientSampleId :
 RLF-FD-01

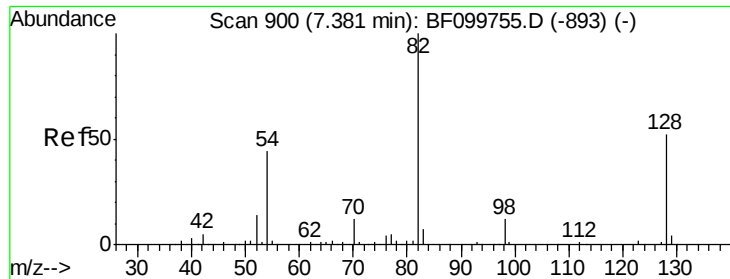
Tot Ion:146 Resp: 15229
 Ion Ratio Lower Upper
 146 100
 148 65.6 50.6 75.8
 111 37.4 36.0 54.0



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.051 min Scan# 1014
 Delta R.T. -0.000 min
 Lab File: BF100169.D
 Acq: 4 Nov 2017 8:00

Tgt Ion:136 Resp: 384433
 Ion Ratio Lower Upper
 136 100
 137 10.6 8.9 13.3
 54 6.1 6.6 9.8#
 68 5.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 81.27 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF100169.D

Acq: 4 Nov 2017 8:00

Instrument :

BNA_F

ClientSampleId :

RLF-FD-01

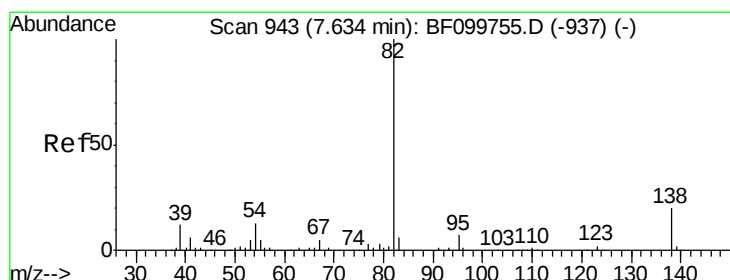
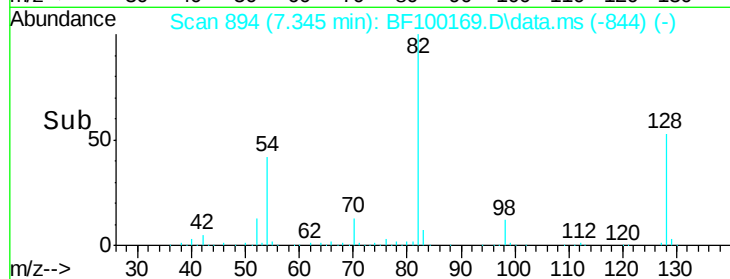
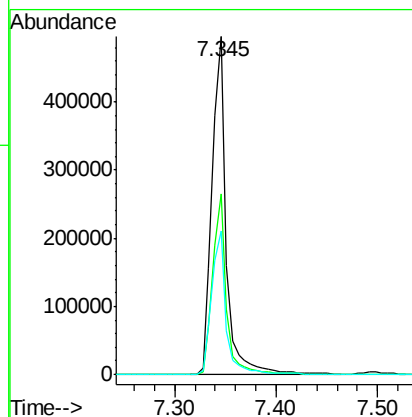
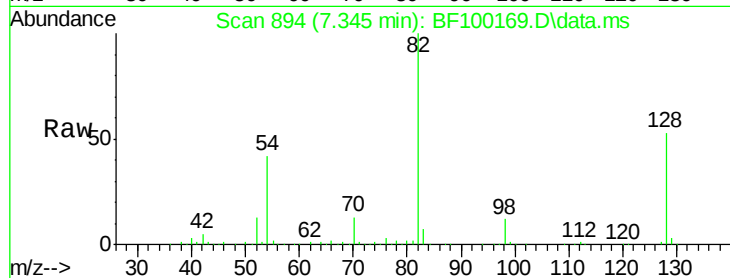
Tot Ion: 82 Resp: 485277

Ion Ratio Lower Upper

82 100

128 53.4 36.1 54.1

54 42.5 41.4 62.2



#25

Isophorone

Concen: 44.79 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.253 min

Lab File: BF100169.D

Acq: 4 Nov 2017 8:00

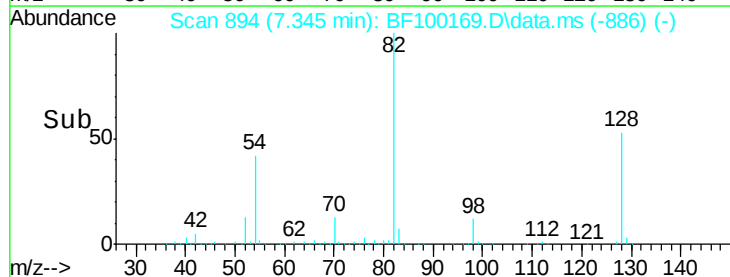
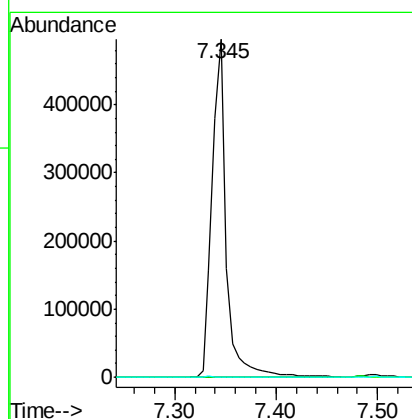
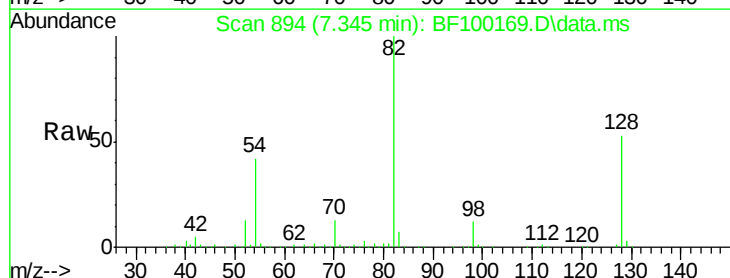
Tgt Ion: 82 Resp: 485277

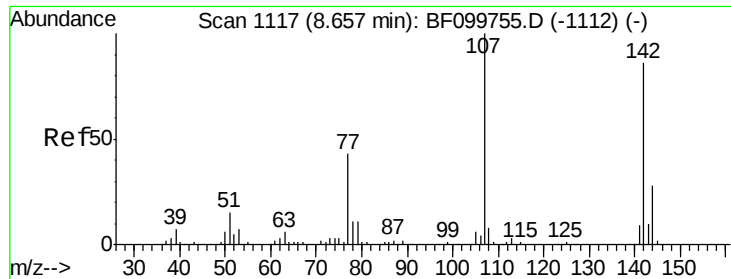
Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#

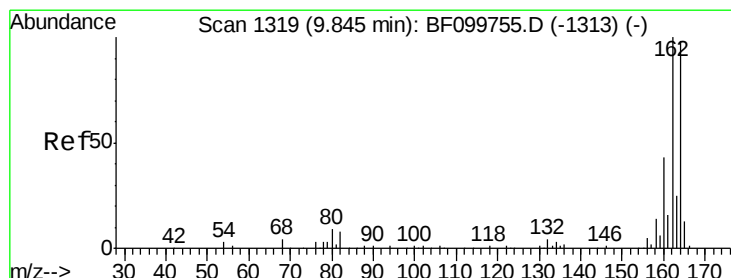
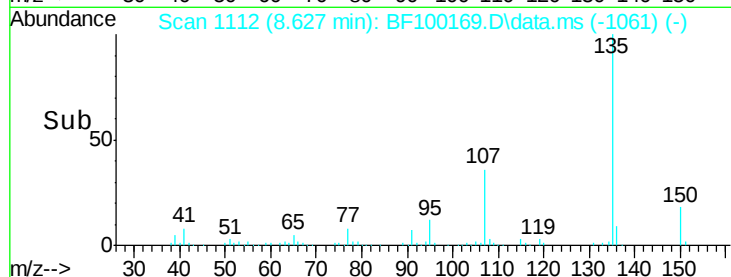
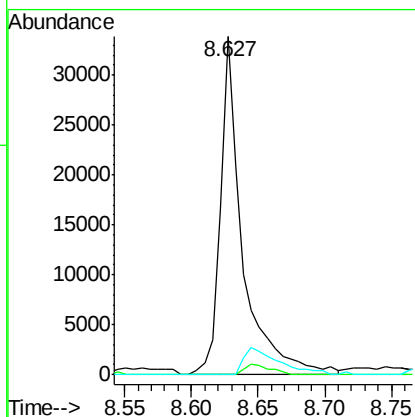
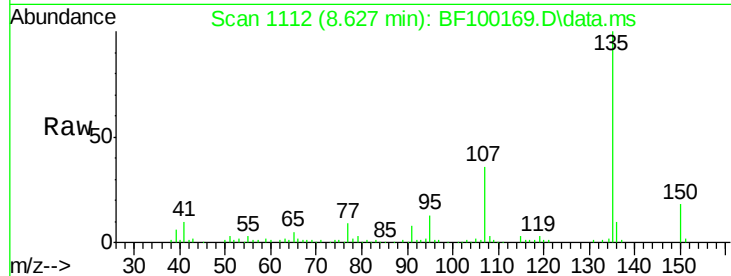




#36
 4-Chloro-3-methylphenol
 Concen: 7.34 ng
 RT: 8.627 min Scan# 111
 Delta R.T. -0.000 min
 Lab File: BF100169.D
 Acq: 4 Nov 2017 8:00

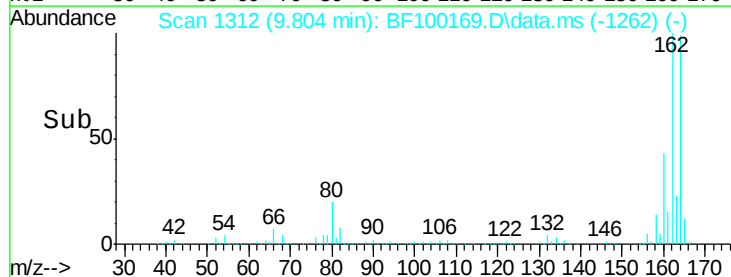
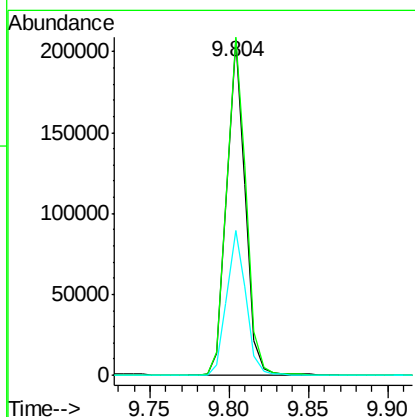
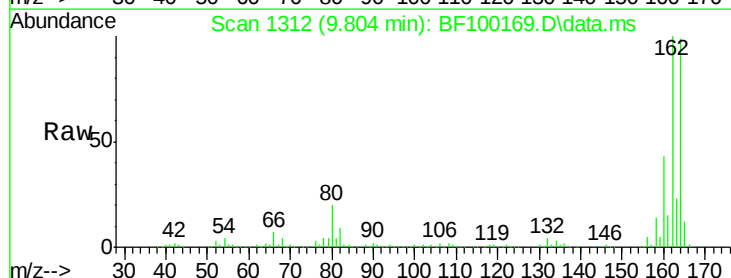
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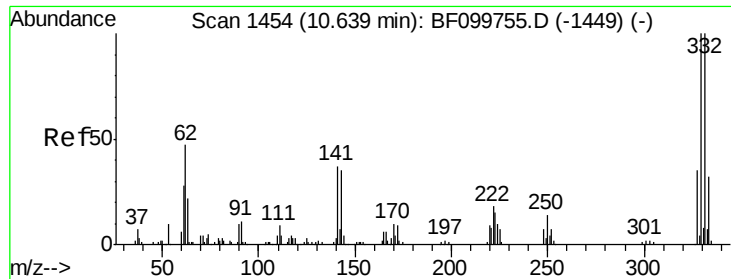
Tot Ion:107 Resp: 39505
 Ion Ratio Lower Upper
 107 100
 144 0.0 20.5 30.7#
 142 0.0 62.0 93.0#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.804 min Scan# 1312
 Delta R.T. -0.006 min
 Lab File: BF100169.D
 Acq: 4 Nov 2017 8:00

Tgt Ion:164 Resp: 167413
 Ion Ratio Lower Upper
 164 100
 162 100.8 86.1 129.1
 160 43.2 38.3 57.5

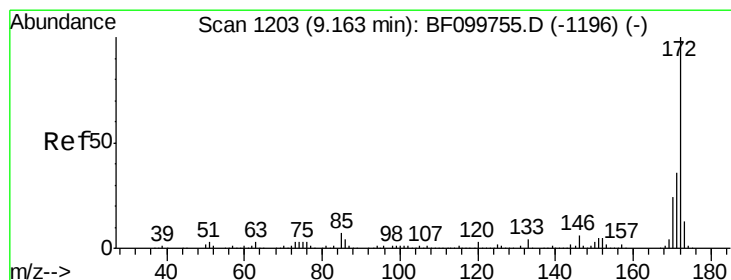
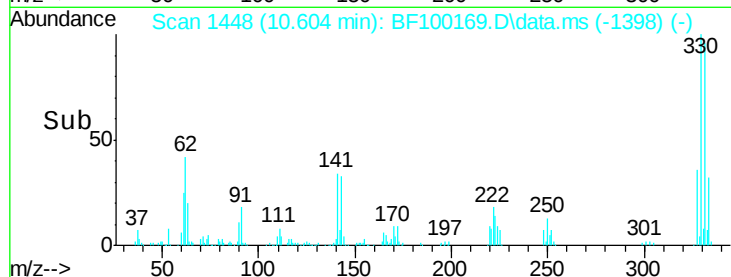
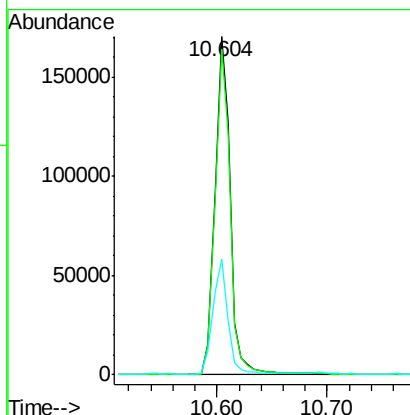
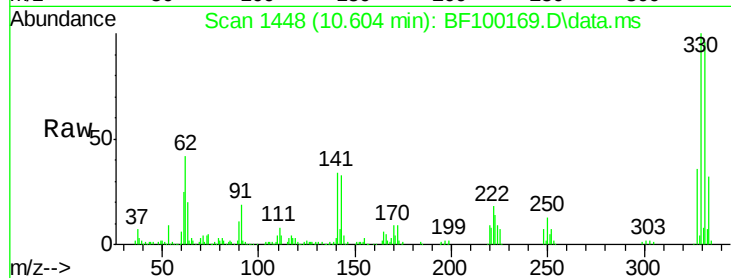




#41
 2,4,6-Tribromophenol
 Concen: 105.66 ng
 RT: 10.604 min Scan# 141
 Delta R.T. -0.006 min
 Lab File: BF100169.D
 Acq: 4 Nov 2017 8:00

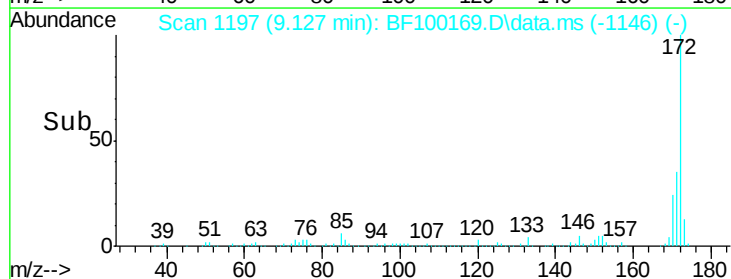
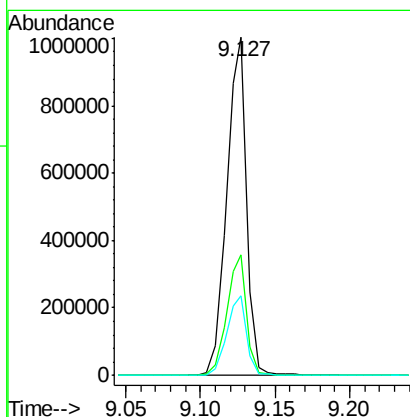
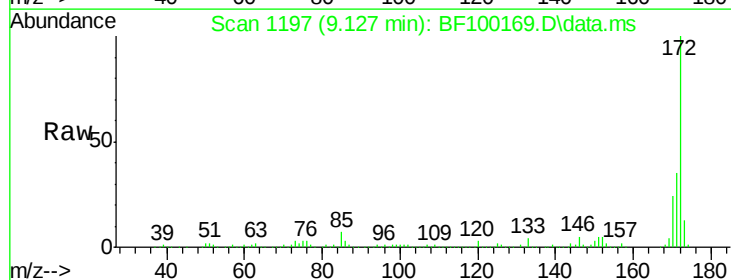
Instrument :
 BNA_F
 ClientSampleId :
 RLF-FD-01

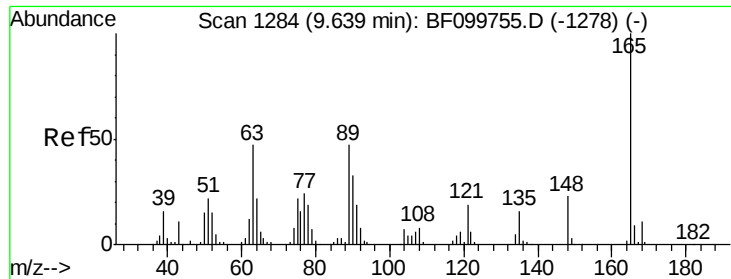
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	33.4	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 87.13 ng
 RT: 9.127 min Scan# 1197
 Delta R.T. -0.000 min
 Lab File: BF100169.D
 Acq: 4 Nov 2017 8:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.5	19.6	29.4

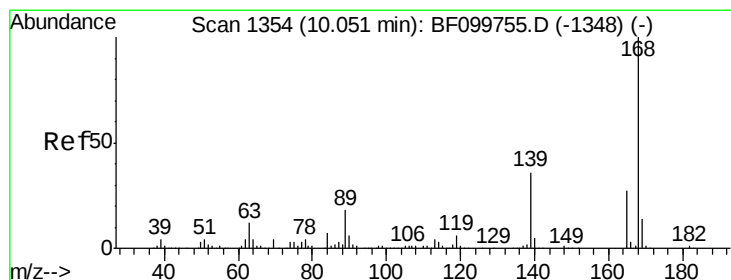
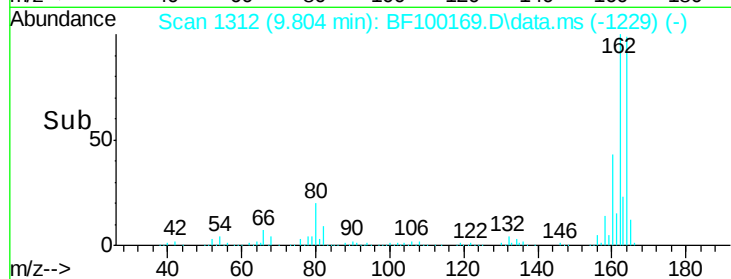
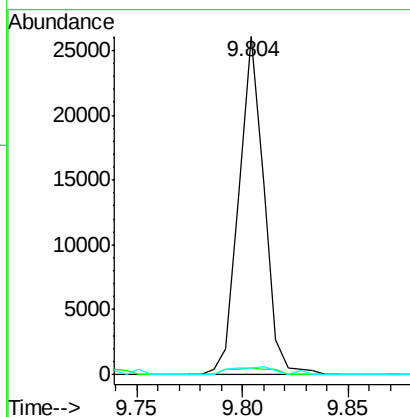
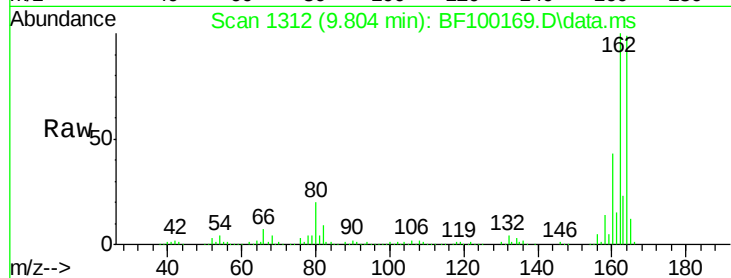




#50
 2,6-Dinitrotoluene
 Concen: 7.65 ng
 RT: 9.804 min Scan# 1312
 Delta R.T. 0.188 min
 Lab File: BF100169.D
 Acq: 4 Nov 2017 8:00

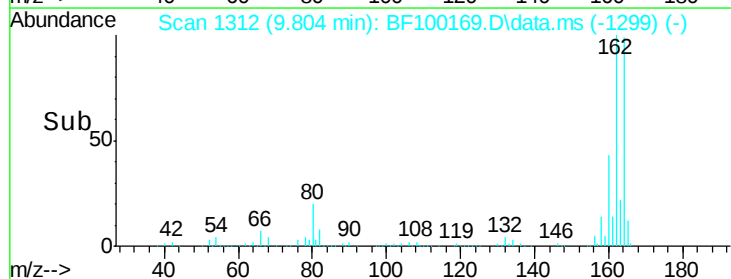
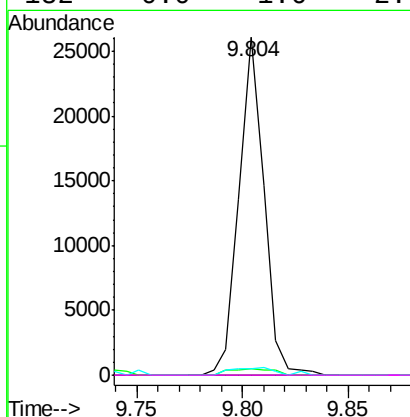
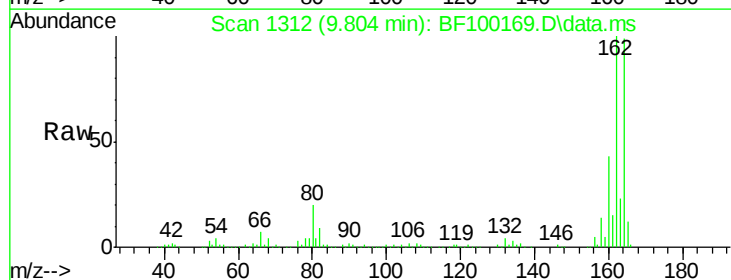
Instrument :
 BNA_F
 ClientSampleId :
 RLF-FD-01

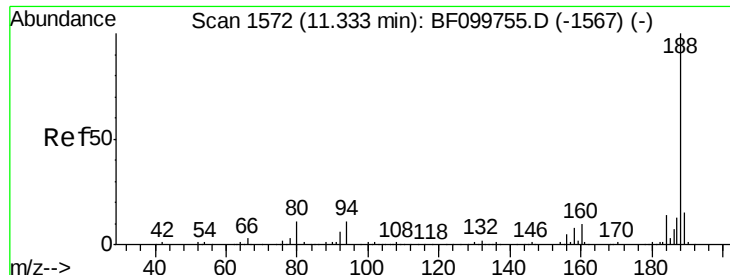
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.7	67.1#
89	1.8	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.36 ng
 RT: 9.804 min Scan# 1312
 Delta R.T. -0.224 min
 Lab File: BF100169.D
 Acq: 4 Nov 2017 8:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

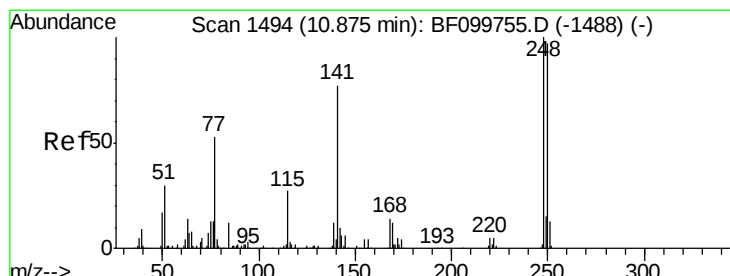
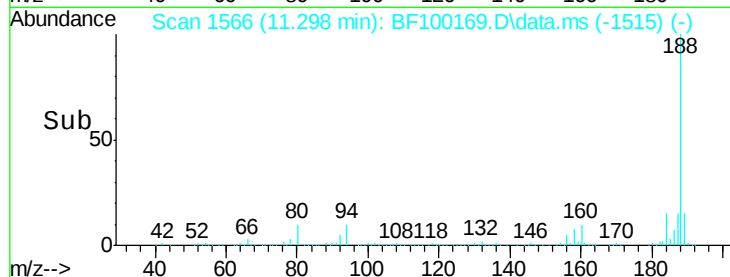
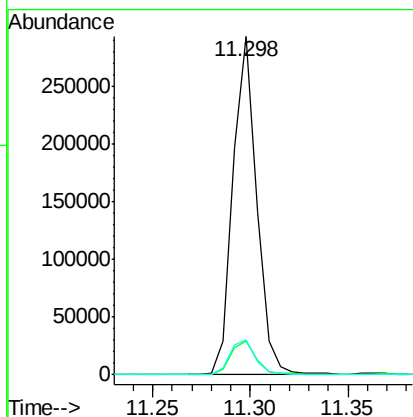
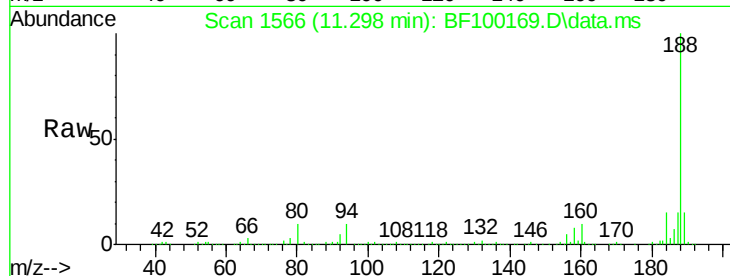




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.298 min Scan# 1572
 Delta R.T. -0.000 min
 Lab File: BF100169.D
 Acq: 4 Nov 2017 8:00

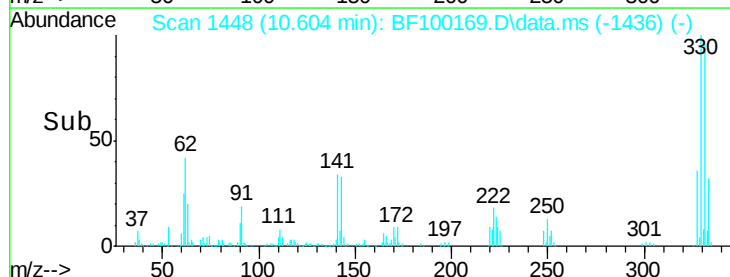
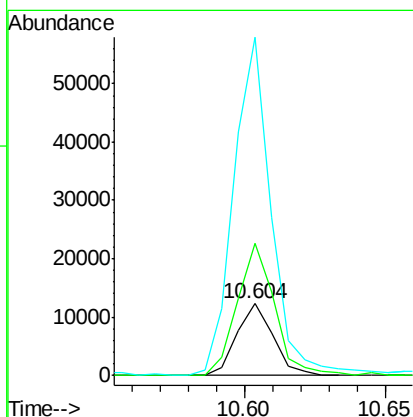
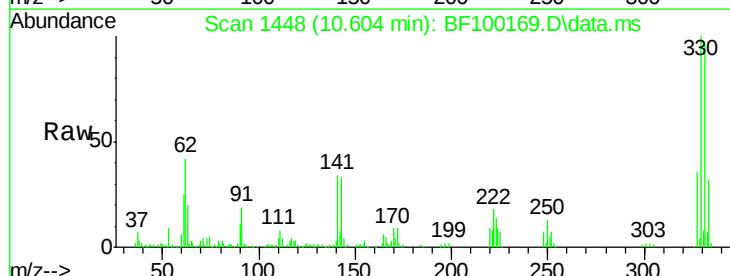
Instrument :
 BNA_F
 ClientSampleId :
 RLF-FD-01

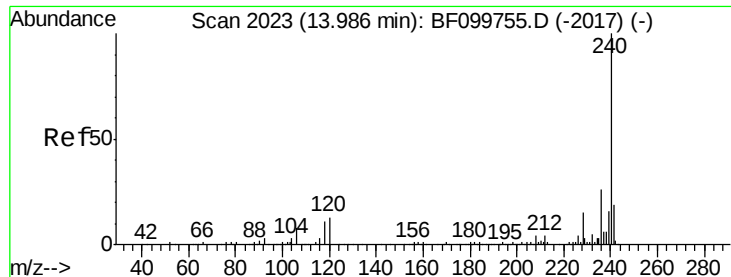
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.2	9.2	13.8



#66
 4-Bromophenyl-phenylether
 Concen: 4.15 ng
 RT: 10.604 min Scan# 1448
 Delta R.T. -0.229 min
 Lab File: BF100169.D
 Acq: 4 Nov 2017 8:00

Tgt Ion	Ratio	Lower	Upper
248	100		
250	185.6	76.9	115.3#
141	473.9	74.4	111.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF100169.D

Acq: 4 Nov 2017 8:00

Instrument :

BNA_F

ClientSampleId :

RLF-FD-01

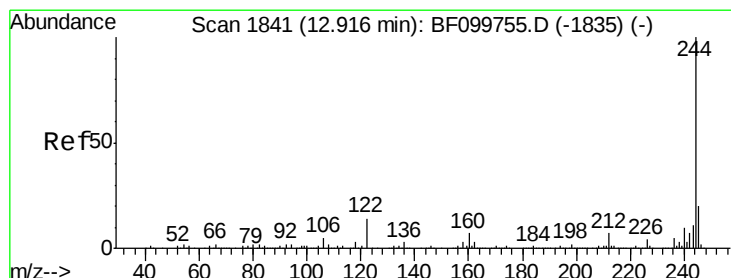
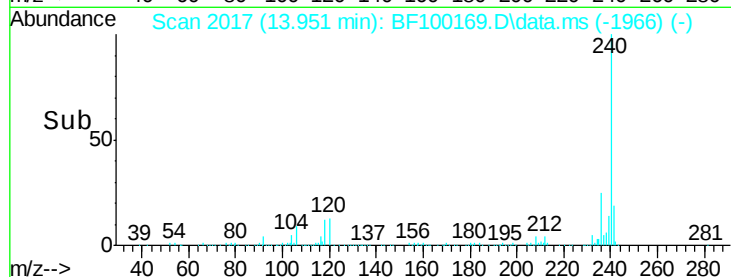
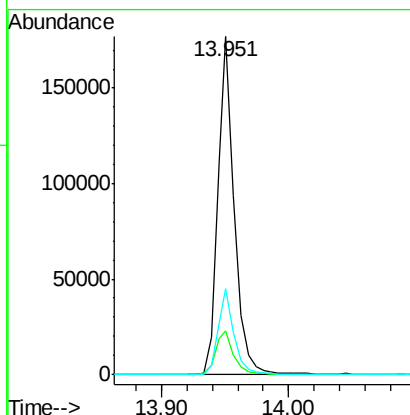
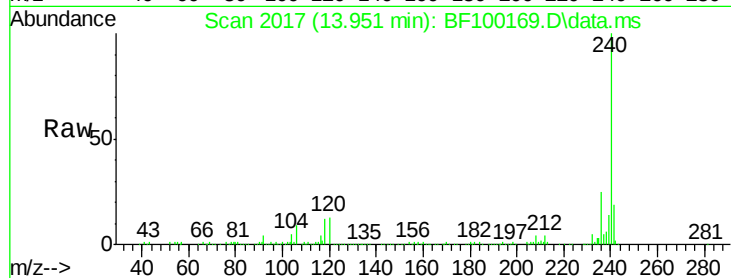
Tot Ion:240 Resp: 161017

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

236 25.3 20.7 31.1



#78

Terphenyl-d14

Concen: 81.23 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.000 min

Lab File: BF100169.D

Acq: 4 Nov 2017 8:00

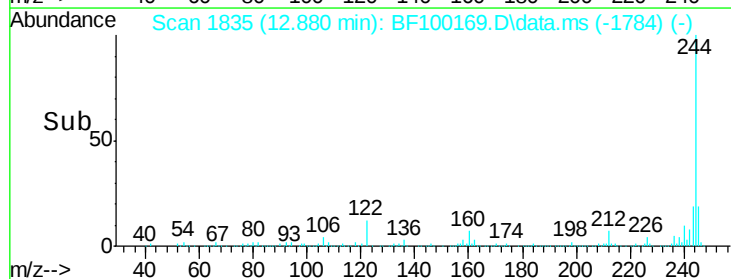
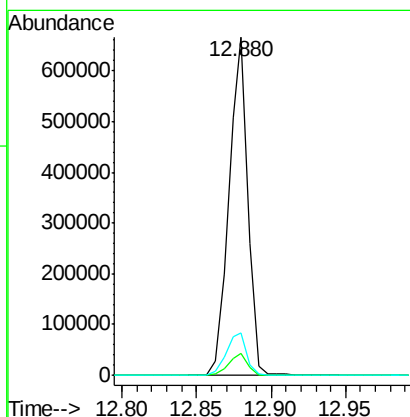
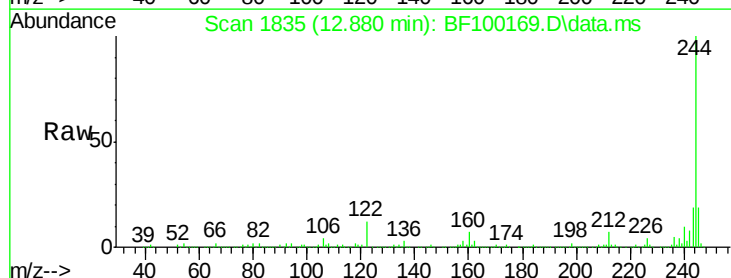
Tgt Ion:244 Resp: 598493

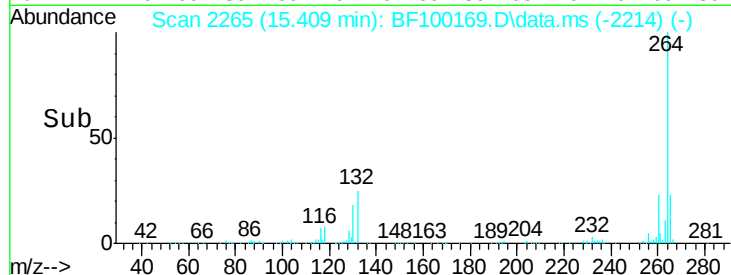
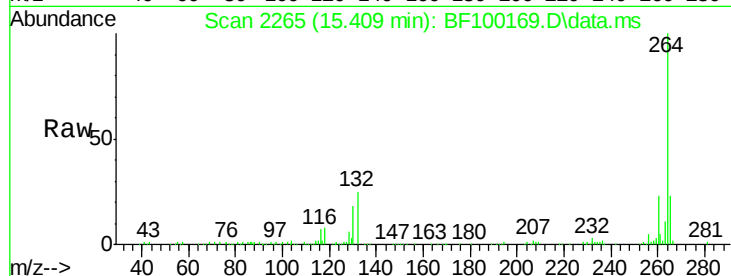
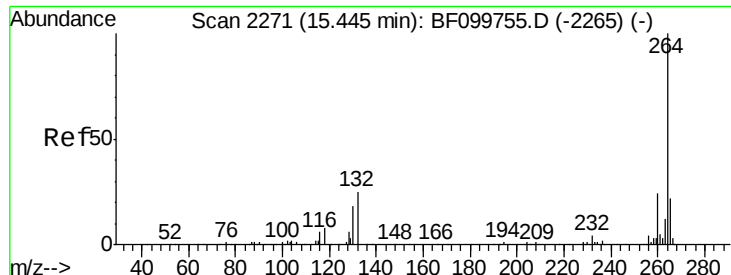
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 12.4 11.0 16.4





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.409 min Scan# 22
 Delta R.T. -0.000 min
 Lab File: BF100169.D
 Acq: 4 Nov 2017 8:00

Instrument :
 BNA_F
 ClientSampleId :
 RLF-FD-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	23.3	17.5	26.3

