

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011819\
 Data File : BF112139.D
 Acq On : 18 Jan 2019 21:57
 Operator : JU/SJ
 Sample : K1173-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200052

Quant Time: Jan 18 23:39:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 23:33:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	255250	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	971207	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	476818	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	878628	20.00	ng	0.00
76) Chrysene-d12	14.02	240	636369	20.00	ng	-0.01
87) Perylene-d12	15.49	264	622272	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1429321	101.64	ng	0.00
7) Phenol-d6	6.50	99	1551713	88.19	ng	0.00
23) Nitrobenzene-d5	7.42	82	1316048	93.62	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	645130	125.42	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2583285	79.43	ng	0.00
79) Terphenyl-d14	12.96	244	2538851	84.87	ng	0.00

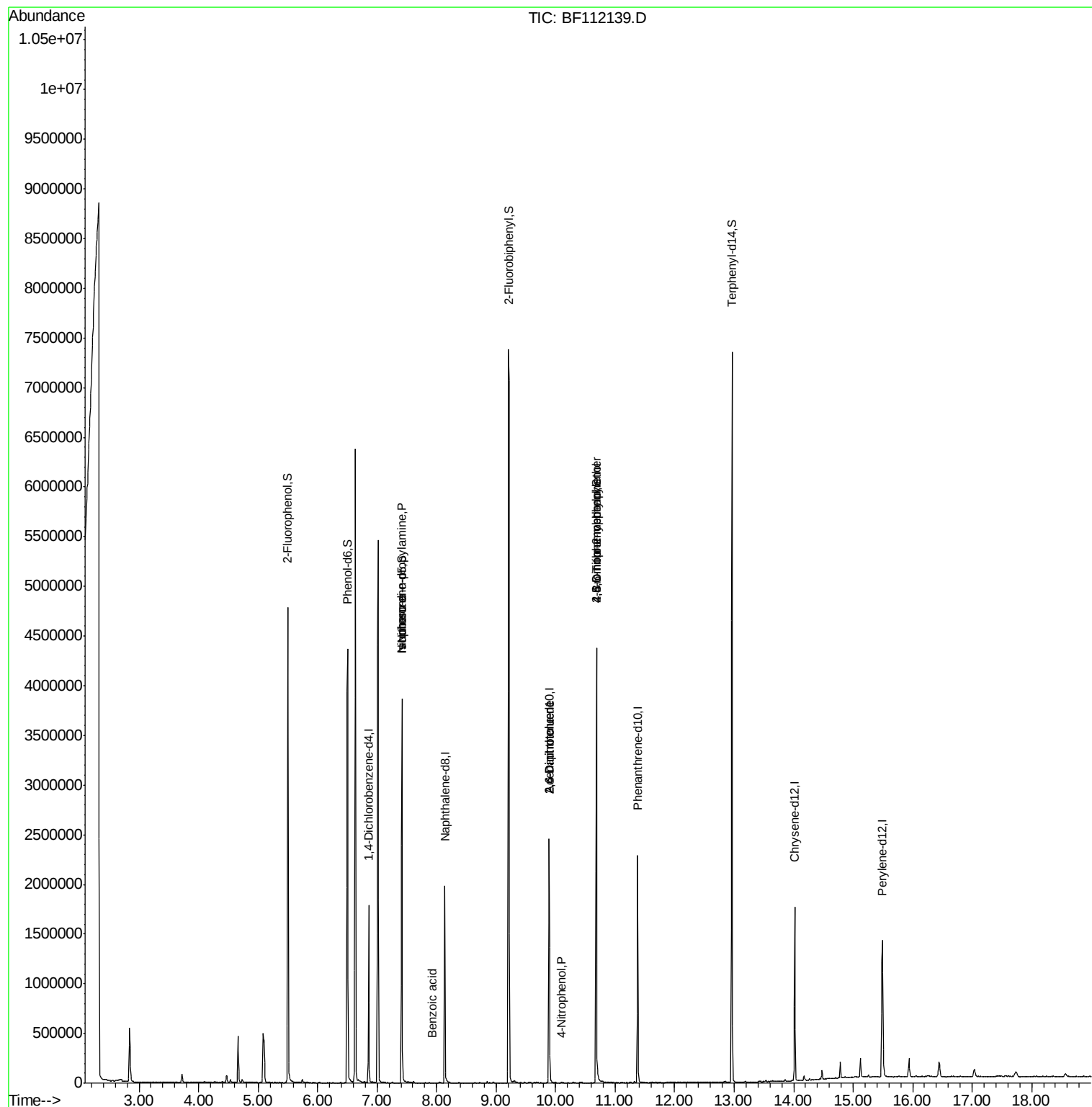
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	2542	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.42	70	179240	16.722	ng	# 77
25) Isophorone	7.42	82	1297840	47.799	ng	# 63
32) Benzoic acid	7.92	122	131	7.192	ng	# 34
51) 2,6-Dinitrotoluene	9.89	165	59671	8.593	ng	# 34
56) 4-Nitrophenol	10.09	139	416	5.725	ng	# 12
57) 2,4-Dinitrotoluene	9.89	165	59671	10.637	ng	# 32
65) 4,6-Dinitro-2-methylphenol	10.68	198	1298	10.350	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	38510	3.773	ng	# 1

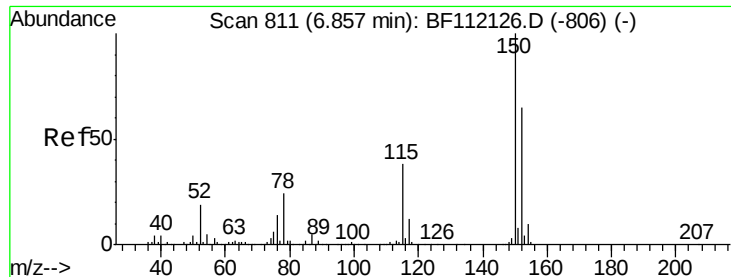
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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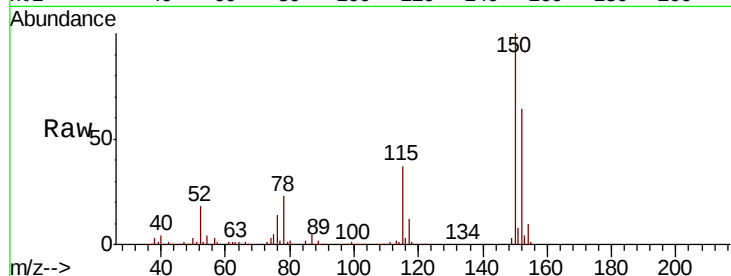


#1

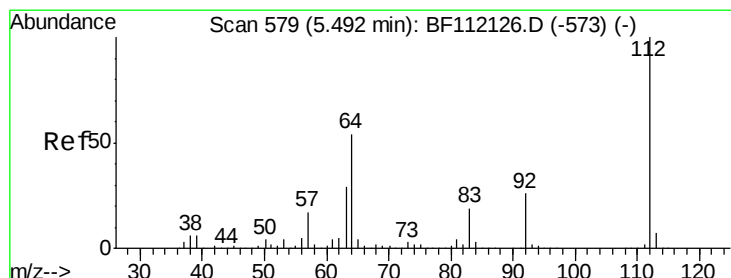
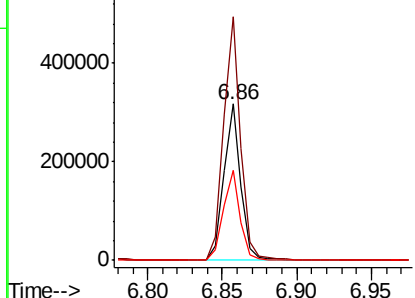
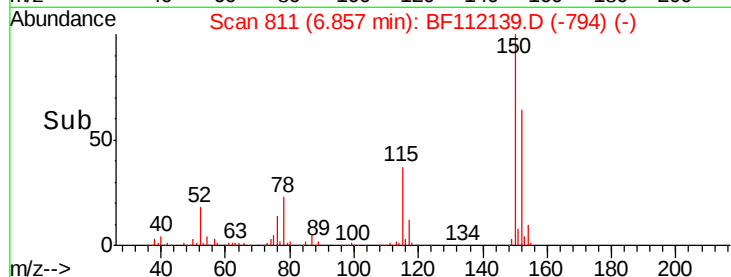
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF112139.D
Acq: 18 Jan 2019 21:57

Instrument :
BNA_F
ClientSampleId :
RBR-200052

Tgt Ion:152 Resp: 255250
Ion Ratio Lower Upper
152 100
150 156.1 127.4 191.0
115 57.4 45.5 68.3



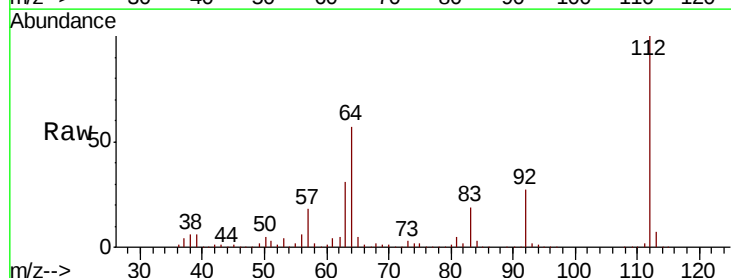
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



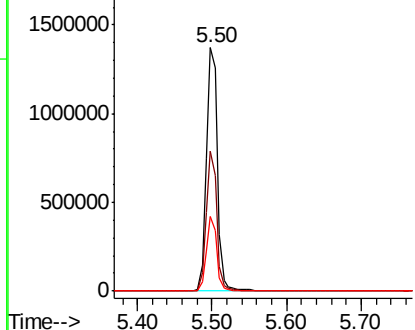
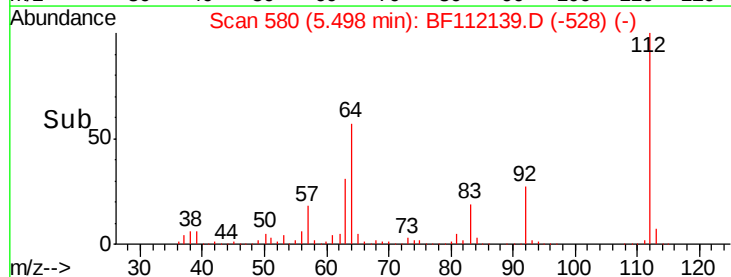
#5

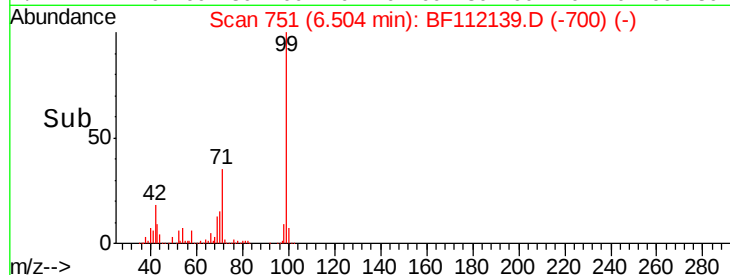
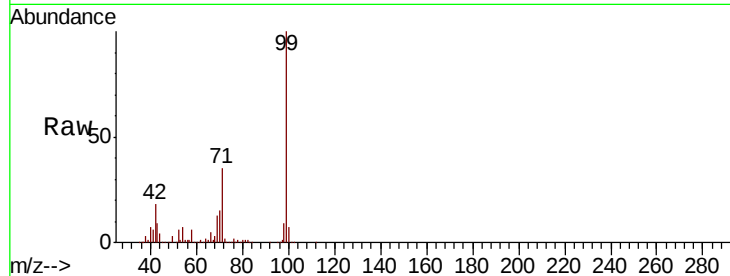
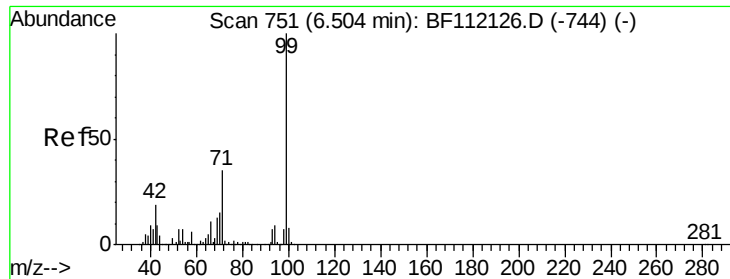
2-Fluorophenol
Concen: 101.636 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF112139.D
Acq: 18 Jan 2019 21:57

Tgt Ion:112 Resp: 1429321
Ion Ratio Lower Upper
112 100
64 57.4 45.7 68.5
63 30.8 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 88.190 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF112139.D

Acq: 18 Jan 2019 21:57

Instrument :

BNA_F

ClientSampleId :

RBR-200052

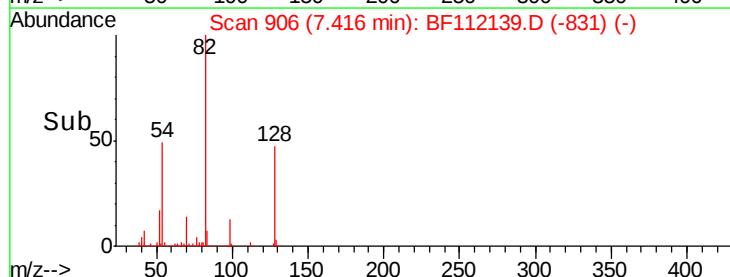
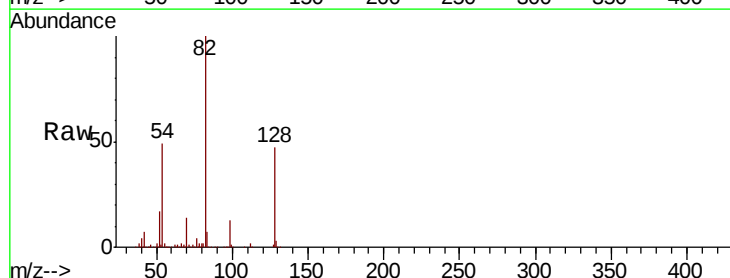
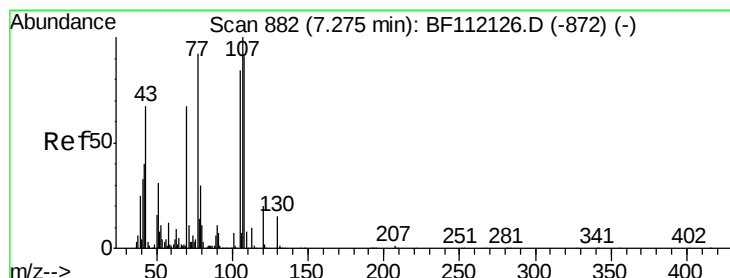
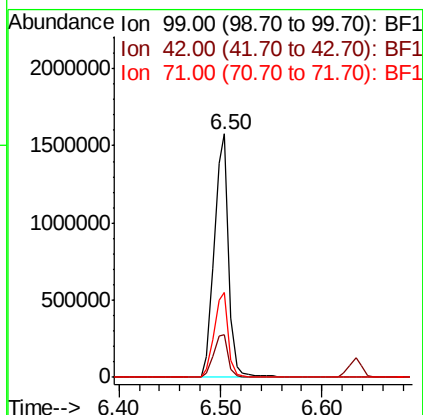
Tgt Ion: 99 Resp: 1551713

Ion Ratio Lower Upper

99 100

42 17.5 15.1 22.7

71 34.7 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.722 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF112139.D

Acq: 18 Jan 2019 21:57

Tgt Ion: 70 Resp: 179240

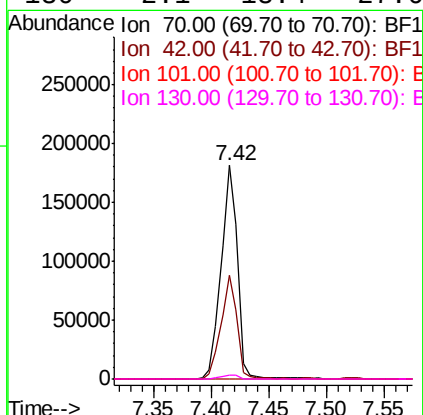
Ion Ratio Lower Upper

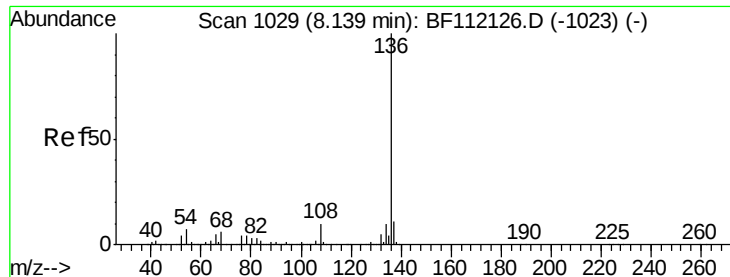
70 100

42 48.6 47.6 71.4

101 0.0 7.9 11.9#

130 2.1 18.4 27.6#

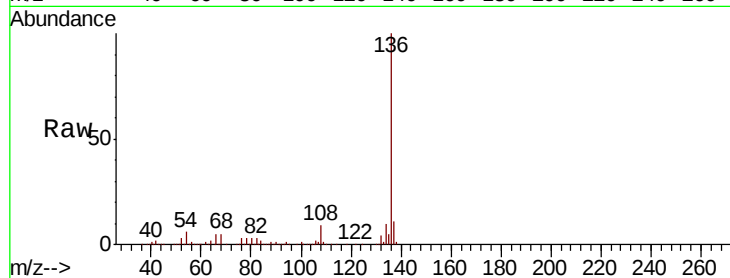




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF112139.D
Acq: 18 Jan 2019 21:57

Instrument :
BNA_F
ClientSampleId :
RBR-200052

Tgt Ion:	136	Resp:	971207
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	5.9	5.9	8.9
68	5.0	5.1	7.7#



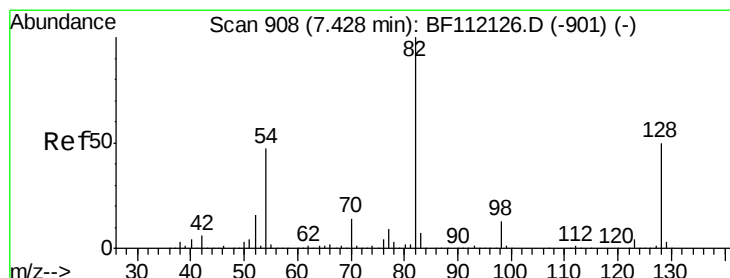
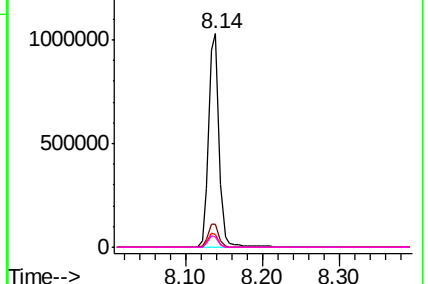
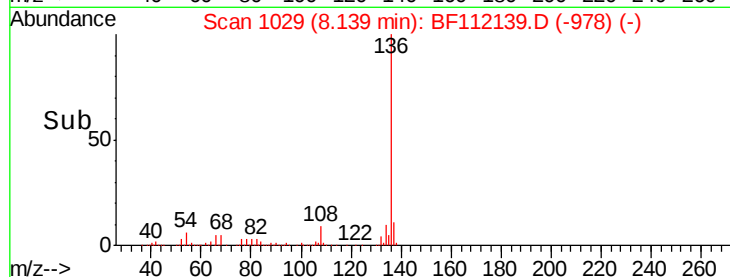
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

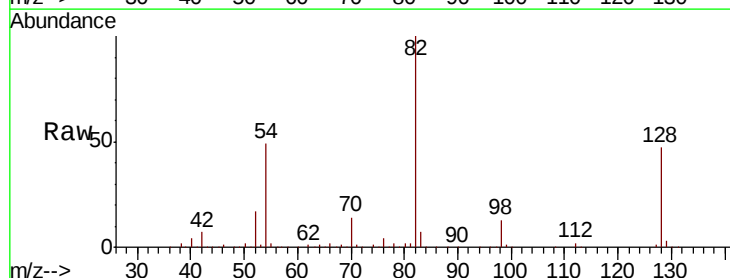
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23
Nitrobenzene-d5
Concen: 93.620 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF112139.D
Acq: 18 Jan 2019 21:57

Tgt Ion:	82	Resp:	1316048
Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.8	56.8
54	48.9	39.7	59.5

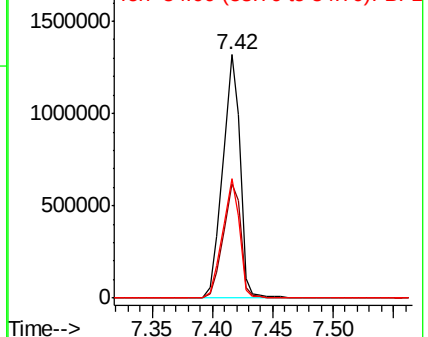
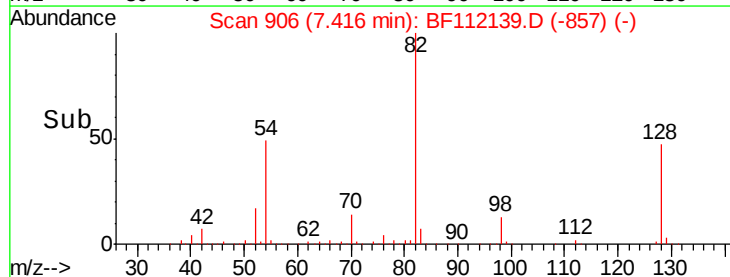


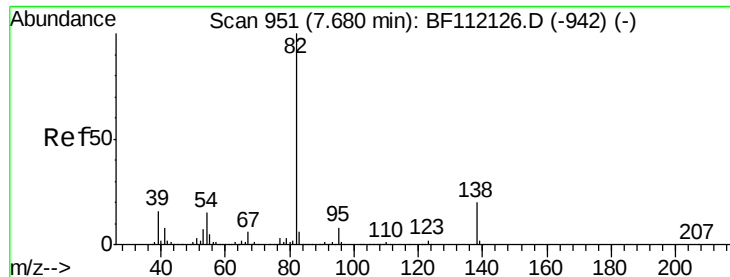
Abundance

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: 47.799 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF112139.D

Acq: 18 Jan 2019 21:57

Instrument :

BNA_F

ClientSampleId :

RBR-200052

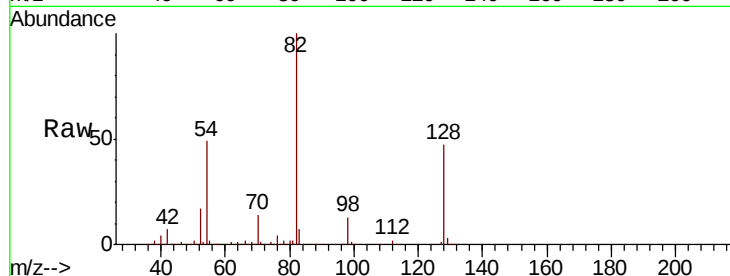
Tgt Ion: 82 Resp: 1297840

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

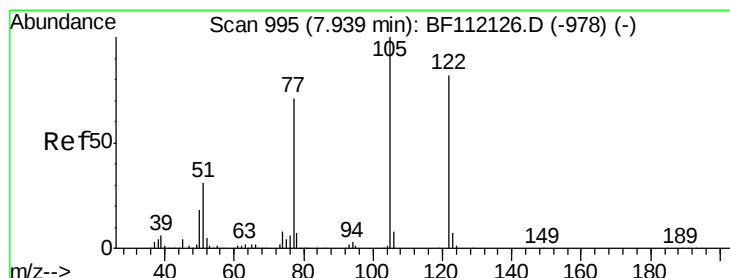
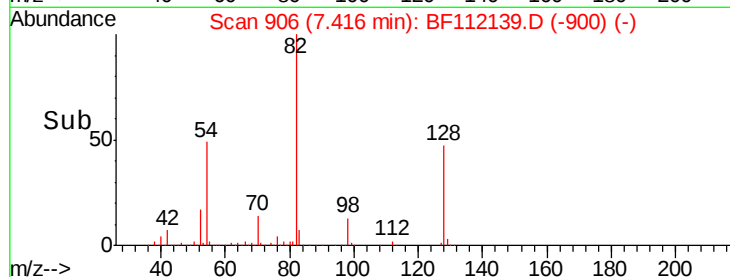
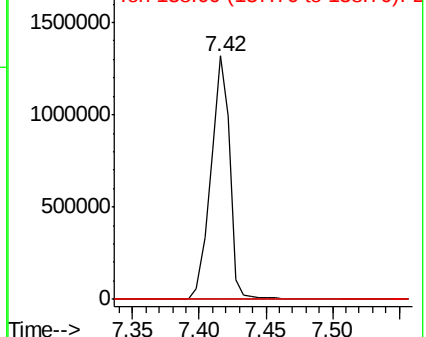
138 0.0 15.4 23.0#



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): BF1



#32

Benzoic acid

Concen: 7.192 ng

RT: 7.92 min Scan# 992

Delta R.T. -0.02 min

Lab File: BF112139.D

Acq: 18 Jan 2019 21:57

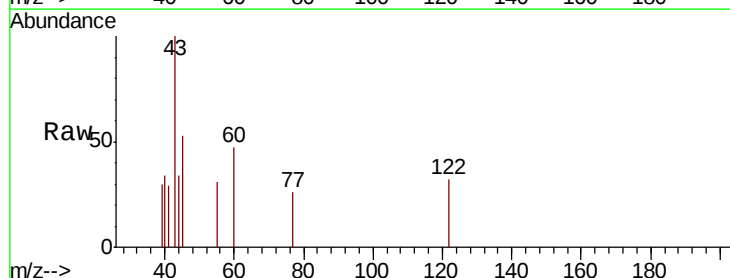
Tgt Ion: 122 Resp: 131

Ion Ratio Lower Upper

122 100

105 0.0 101.2 141.2#

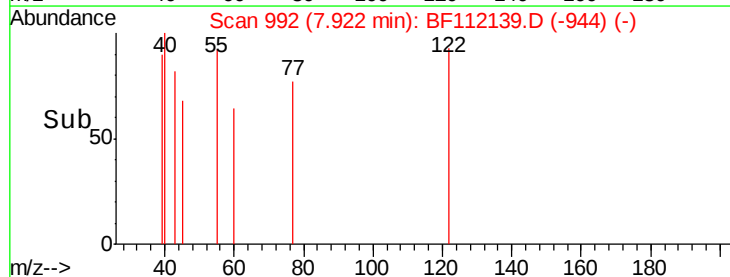
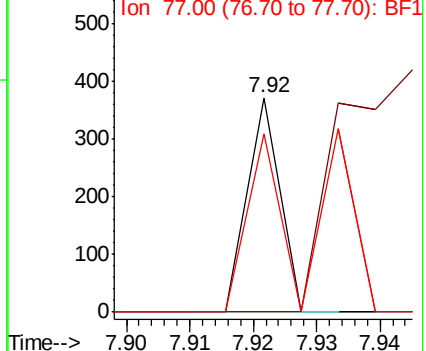
77 82.8 70.4 110.4

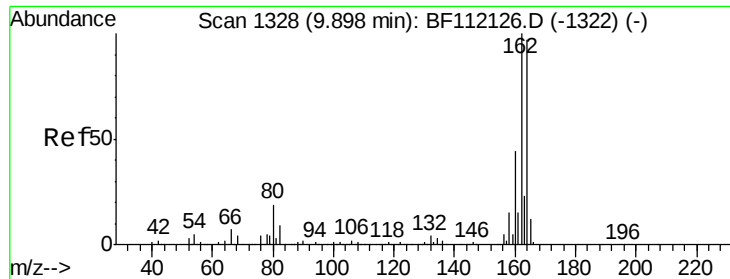


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

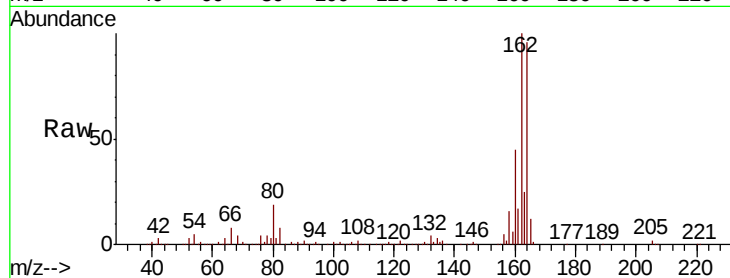




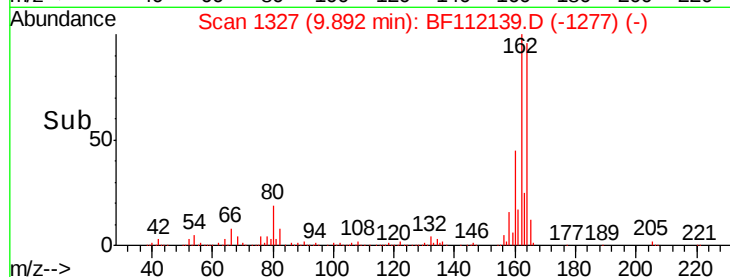
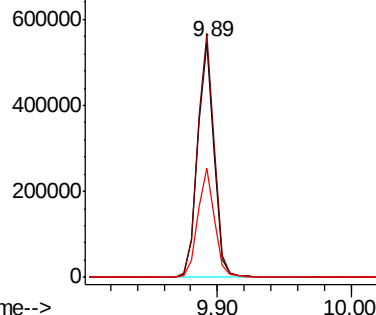
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF112139.D
 Acq: 18 Jan 2019 21:57

Instrument :
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 ClientSampleId :
 RBR-200052

Tgt Ion:164 Resp: 476818
 Ion Ratio Lower Upper
 164 100
 162 103.7 82.2 123.4
 160 46.3 36.2 54.4

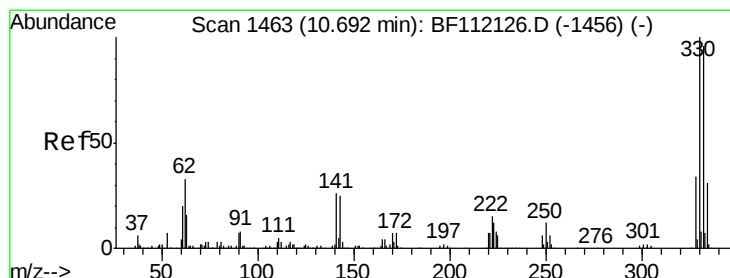


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

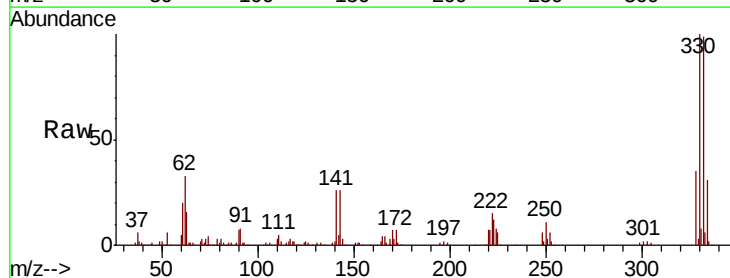
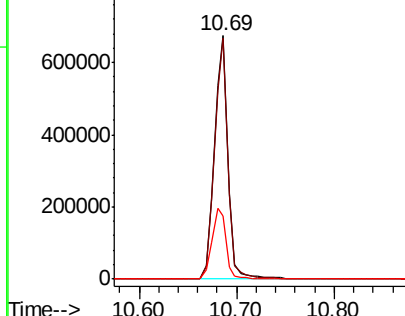


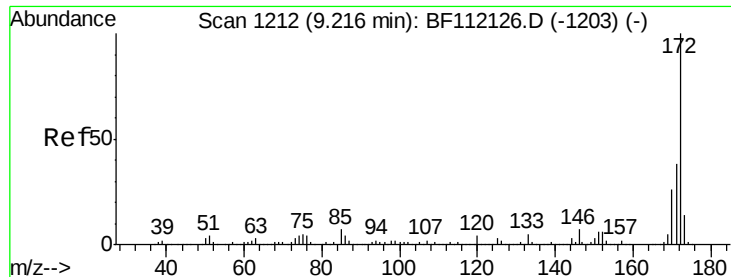
#42
 2,4,6-Tribromophenol
 Concen: 125.418 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112139.D
 Acq: 18 Jan 2019 21:57

Tgt Ion:330 Resp: 645130
 Ion Ratio Lower Upper
 330 100
 332 98.2 76.6 114.8
 141 30.8 24.3 36.5



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

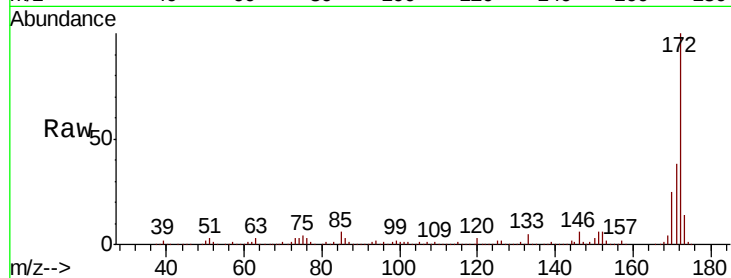




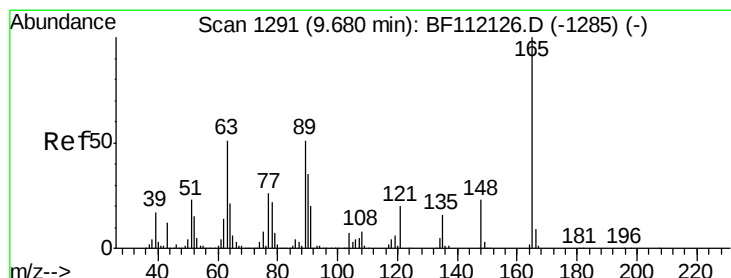
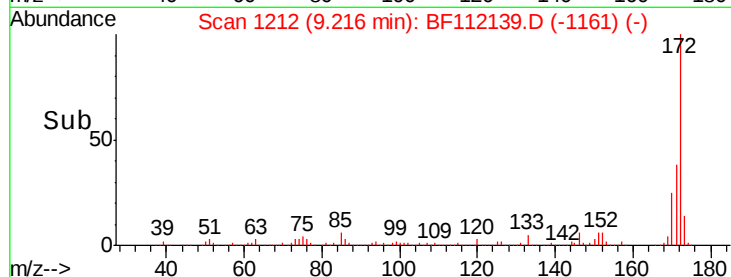
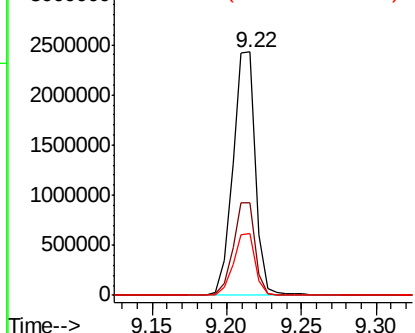
#45
 2-Fluorobiphenyl
 Concen: 79.430 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: BF112139.D
 Acq: 18 Jan 2019 21:57

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 ClientSampleId :
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Tgt Ion:172 Resp: 2583285
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.5 45.7
 170 25.2 20.2 30.4

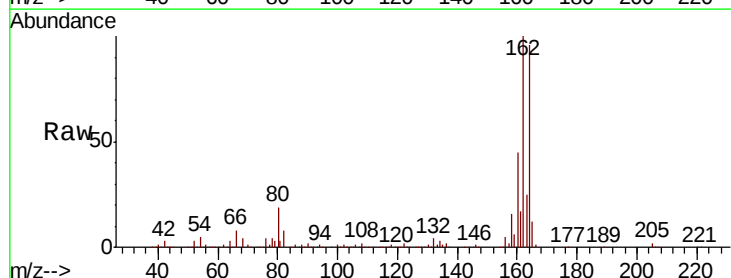


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

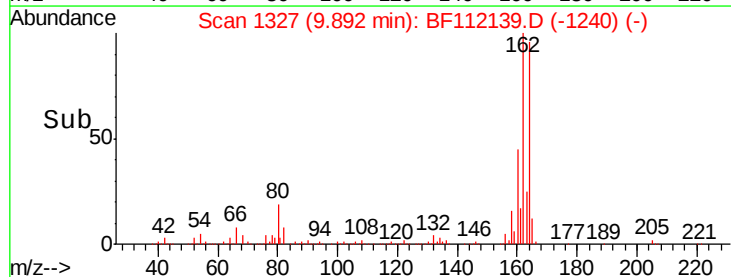
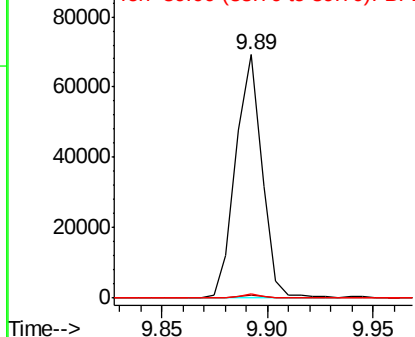


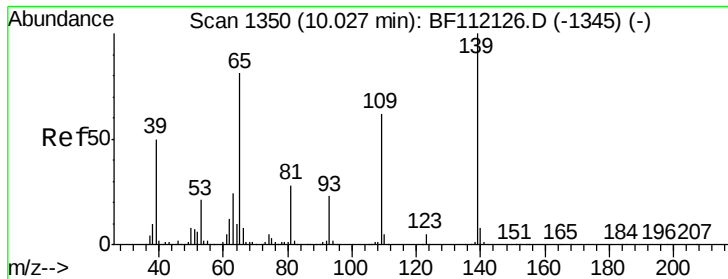
#51
 2,6-Dinitrotoluene
 Concen: 8.593 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF112139.D
 Acq: 18 Jan 2019 21:57

Tgt Ion:165 Resp: 59671
 Ion Ratio Lower Upper
 165 100
 63 1.2 33.8 50.8#
 89 2.0 36.9 55.3#



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

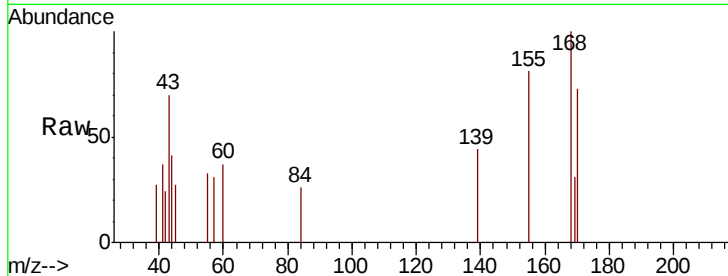




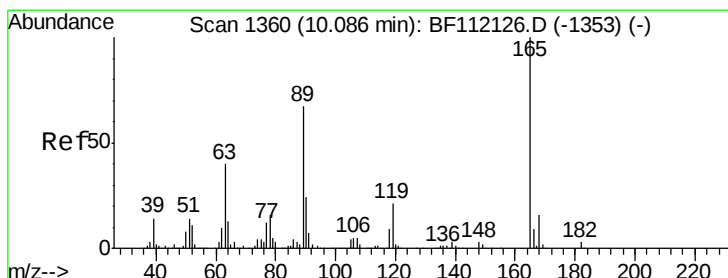
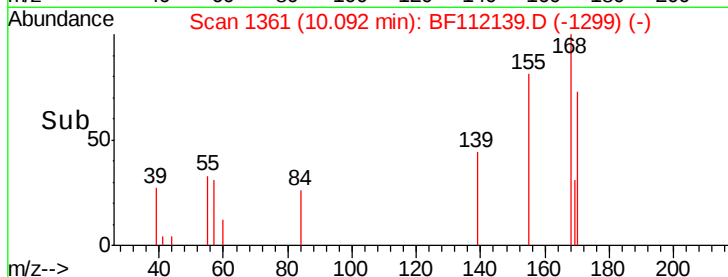
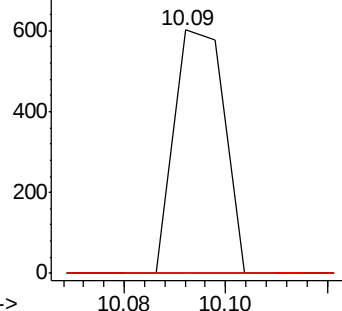
#56
4-Nitrophenol
Concen: 5.725 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.06 min
Lab File: BF112139.D
Acq: 18 Jan 2019 21:57

Instrument :
BNA_F
ClientSampleId :
RBR-200052

Tgt Ion:139 Resp: 416
Ion Ratio Lower Upper
139 100
109 0.0 42.8 82.8#
65 0.0 66.1 106.1#

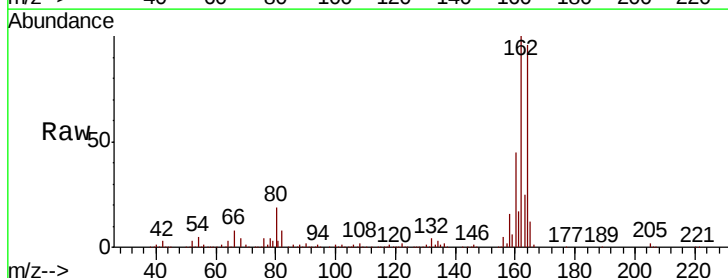


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

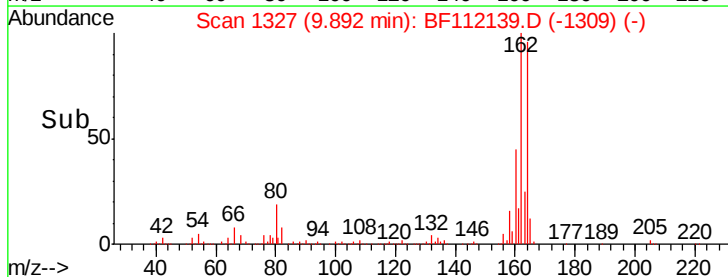
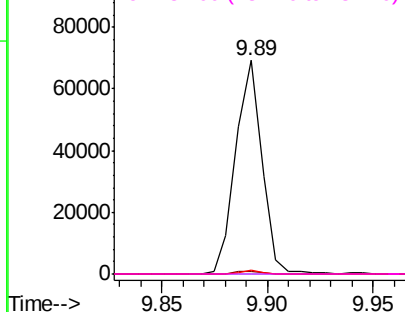


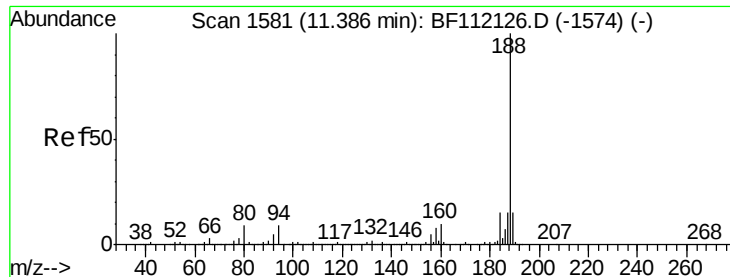
#57
2,4-Dinitrotoluene
Concen: 10.637 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF112139.D
Acq: 18 Jan 2019 21:57

Tgt Ion:165 Resp: 59671
Ion Ratio Lower Upper
165 100
63 1.2 27.9 41.9#
89 2.0 47.9 71.9#
182 0.0 2.2 3.4#



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): BF1

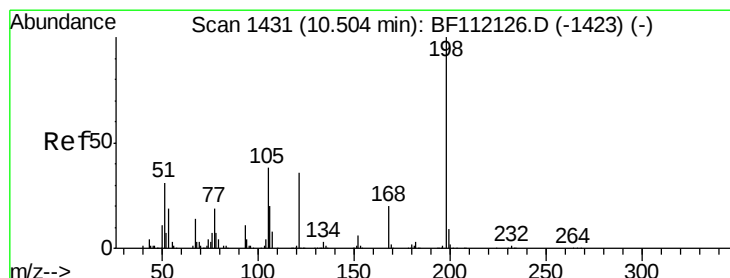
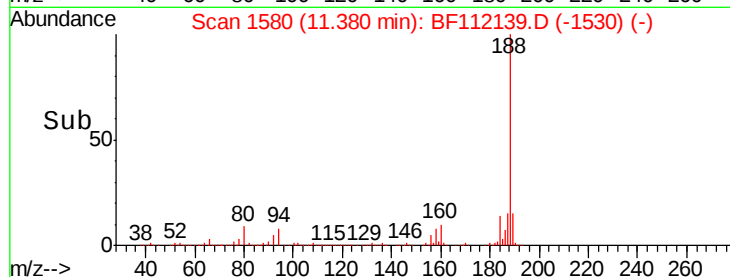
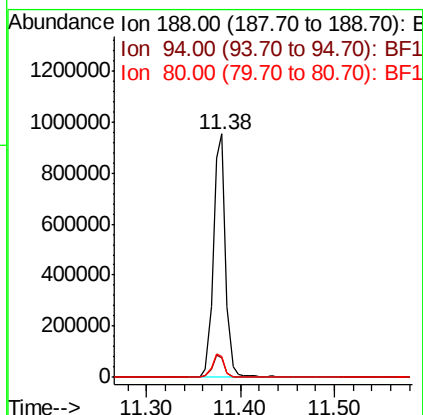
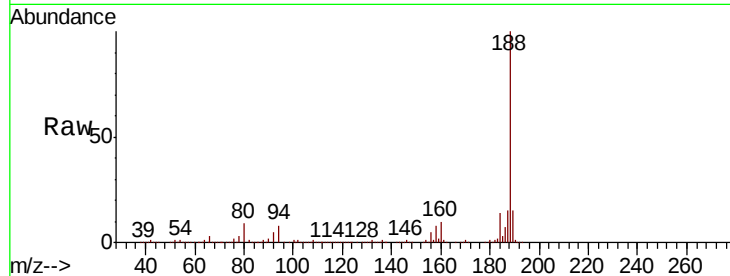




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF112139.D
Acq: 18 Jan 2019 21:57

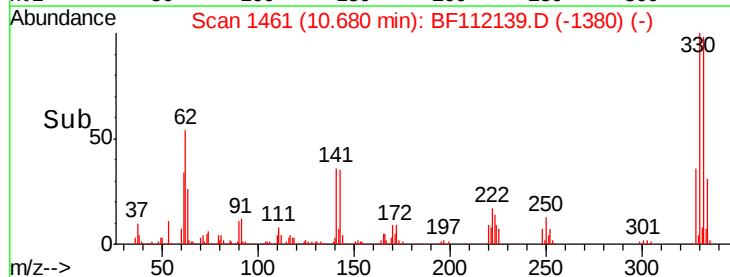
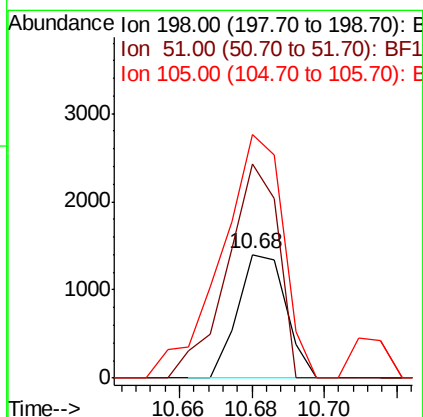
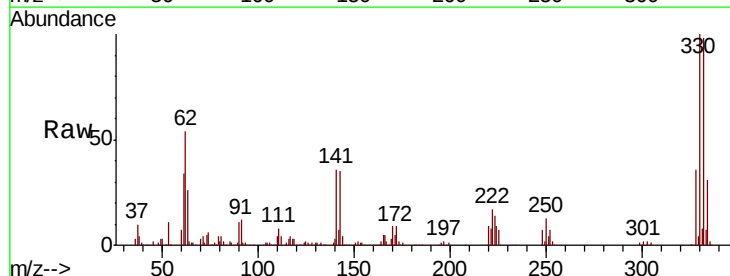
Instrument :
BNA_F
ClientSampleId :
RBR-200052

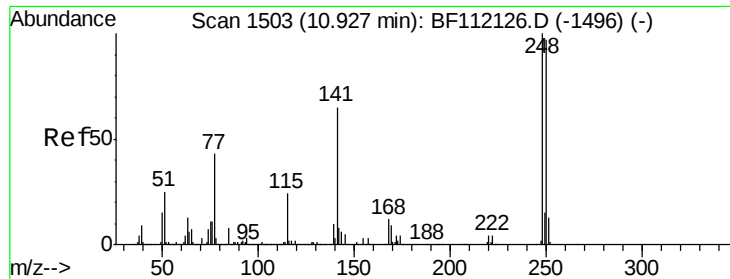
Tgt Ion:188 Resp: 878628
Ion Ratio Lower Upper
188 100
94 8.2 8.2 12.2
80 8.8 8.9 13.3#



#65
4,6-Dinitro-2-methylphenol
Concen: 10.350 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.18 min
Lab File: BF112139.D
Acq: 18 Jan 2019 21:57

Tgt Ion:198 Resp: 1298
Ion Ratio Lower Upper
198 100
51 173.5 17.2 57.2#
105 196.8 21.9 61.9#

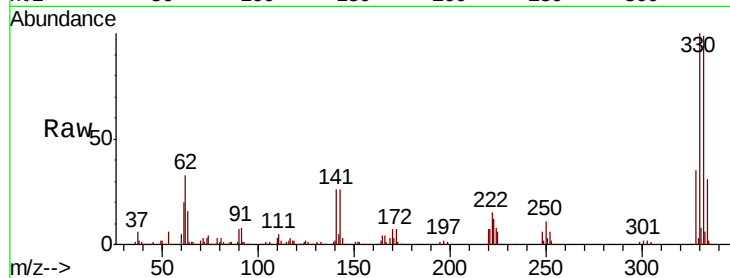




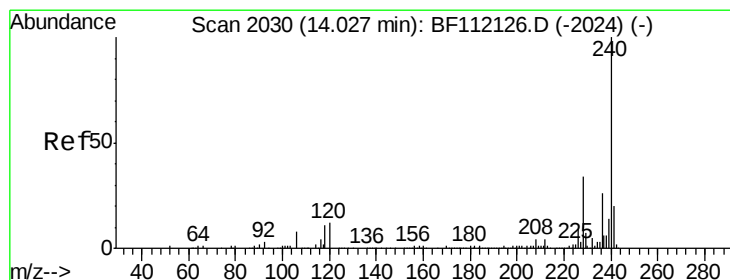
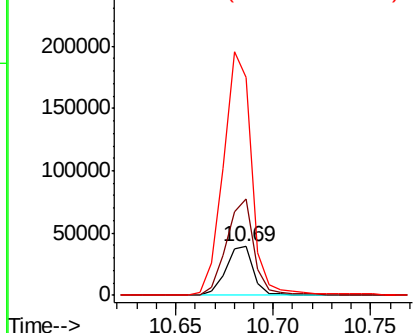
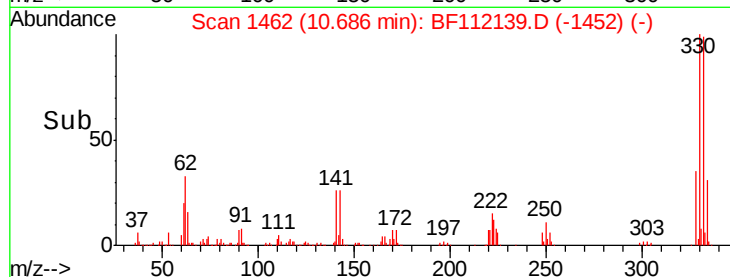
#67
 4-Bromophenyl-phenylether
 Concen: 3.773 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.24 min
 Lab File: BF112139.D
 Acq: 18 Jan 2019 21:57

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200052

Tgt Ion:248 Resp: 38510
 Ion Ratio Lower Upper
 248 100
 250 196.9 79.7 119.5#
 141 445.4 60.3 90.5#

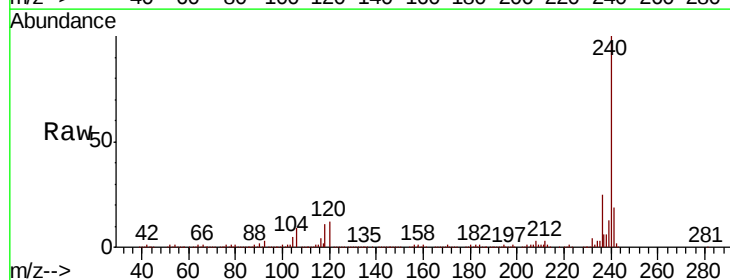


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

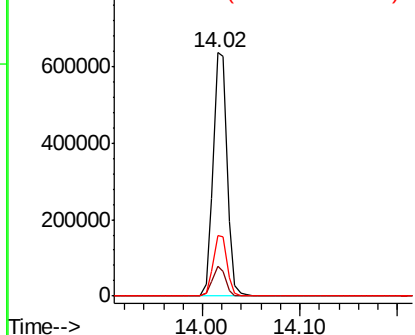
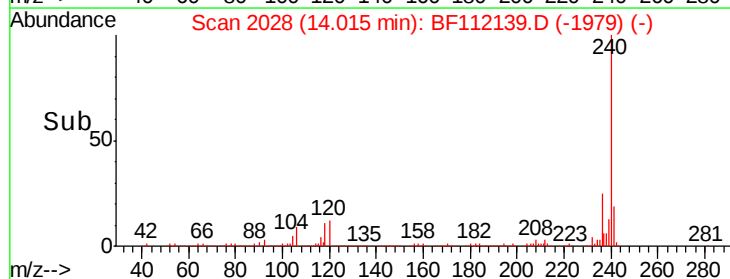


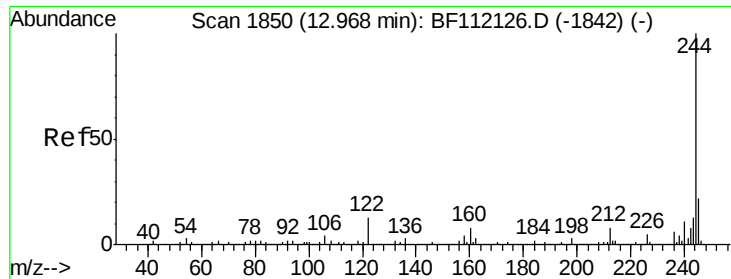
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF112139.D
 Acq: 18 Jan 2019 21:57

Tgt Ion:240 Resp: 636369
 Ion Ratio Lower Upper
 240 100
 120 12.4 9.0 13.6
 236 24.8 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





#79

Terphenyl-d14

Concen: 84.874 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF112139.D

Acq: 18 Jan 2019 21:57

Instrument :

BNA_F

ClientSampleId :

RBR-200052

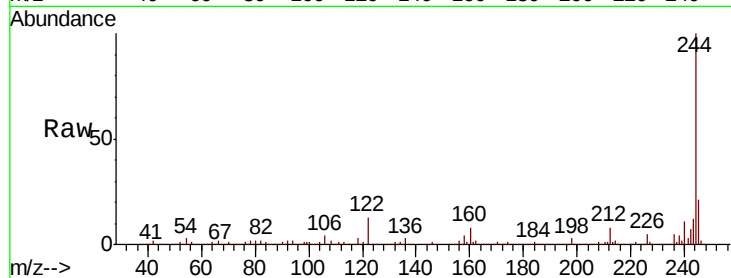
Tgt Ion:244 Resp: 2538851

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

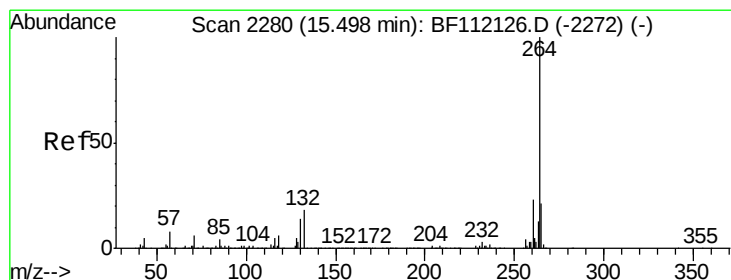
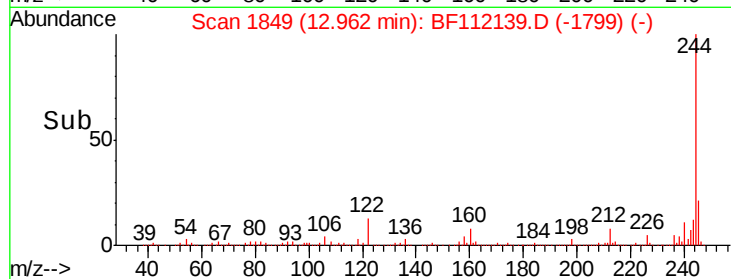
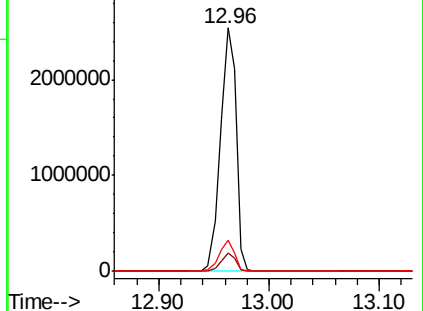
122 12.9 9.8 14.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF112139.D

Acq: 18 Jan 2019 21:57

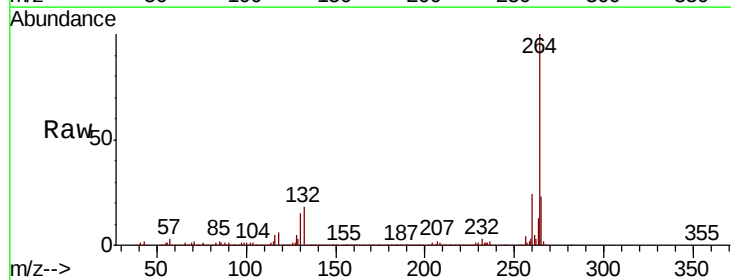
Tgt Ion:264 Resp: 622272

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.2

265 22.6 17.0 25.4



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

